



July 03, 2020

**Vista Work Order No. 2000967**

Ms. Delaney Peterson  
Anchor QEA, LLC  
720 Olive Way, Suite 1900  
Seattle, WA 98101

Dear Ms. Peterson,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on April 28, 2020 under your Project Name 'Gasco PDI'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at [mmaier@vista-analytical.com](mailto:mmaier@vista-analytical.com).

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier  
Laboratory Director



*Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.*

Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 ph: 916-673-1520 fx: 916-673-0106 [www.vista-analytical.com](http://www.vista-analytical.com)

**Vista Work Order No. 2000967**

**Case Narrative**

**Sample Condition on Receipt:**

Seven sediment samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The EPA Method 1613 analysis was assigned to Vista Work Order No. 2000964.

**Analytical Notes:**

**EPA Method 1668C**

Sample "PDI-148SC-A-00-01-200427" was extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

**Holding Times**

The sample was extracted and analyzed within the method hold times.

**Quality Control**

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

The labeled standard recovery outside the method acceptance criteria is listed in the table below:

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
2000967-01	PDI-148SC-A-00-01-200427	EPA Method 1668C	13C-PCB-209	H	148

H = Recovery was outside laboratory acceptance criteria.

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# Sample Inventory Report

<b>Vista Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled</b>	<b>Received</b>	<b>Components/Containers</b>
2000967-01	PDI-148SC-A-00-01-200427	27-Apr-20 09:13	28-Apr-20 09:04	Amber Glass, 120 mL

## **ANALYTICAL RESULTS**

**Sample ID: Method Blank**

**EPA Method 1668C**

Matrix: Solid	QC Batch: B0F0059	Lab Sample: B0F0059-BLK1
Sample Size: 5.00 g	Date Extracted: 08-Jun-2020 12:43	Date Analyzed: 14-Jun-20 01:56 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.472			PCB-44	ND	0.799		
PCB-2	ND	0.482			PCB-45	ND	0.836		
PCB-3	ND	0.497			PCB-46	ND	0.864		
PCB-4/10	ND	3.38			PCB-47	ND	0.714		
PCB-5/8	ND	2.62			PCB-48/75	ND	0.588		
PCB-6	ND	2.54			PCB-50	ND	0.639		
PCB-7/9	ND	2.71			PCB-51	ND	0.674		
PCB-11	ND	2.46			PCB-52/69	ND	0.615		
PCB-12/13	ND	2.70			PCB-53	ND	0.720		
PCB-14	ND	2.72			PCB-54	ND	0.521		
PCB-15	ND	2.68			PCB-55	ND	0.440		
PCB-16/32	ND	0.998			PCB-56/60	ND	0.505		
PCB-17	ND	1.22			PCB-57	ND	0.471		
PCB-18	ND	1.13			PCB-58	ND	0.455		
PCB-19	ND	1.21			PCB-61/70	ND	0.520		
PCB-20/21/33	ND	0.885			PCB-62	ND	0.584		
PCB-22	ND	0.857			PCB-63	ND	0.511		
PCB-23	ND	0.944			PCB-65	ND	0.513		
PCB-24/27	ND	0.853			PCB-66/76	ND	0.471		
PCB-25	ND	0.877			PCB-67	ND	0.505		
PCB-26	ND	0.883			PCB-68	ND	0.515		
PCB-28	ND	0.813			PCB-73	ND	0.497		
PCB-29	ND	0.933			PCB-74	ND	0.462		
PCB-30	ND	0.747			PCB-77	ND	0.475		
PCB-31	ND	0.804			PCB-78	ND	0.456		
PCB-34	ND	0.881			PCB-79	ND	0.452		
PCB-35	ND	0.859			PCB-80	ND	0.433		
PCB-36	ND	0.834			PCB-81	ND	0.495		
PCB-37	ND	0.889			PCB-82	ND	1.26		
PCB-38	ND	0.853			PCB-83	ND	0.752		
PCB-39	ND	0.908			PCB-84/92	ND	1.17		
PCB-40	ND	1.09			PCB-85/116	ND	0.976		
PCB-41/64/71/72	ND	0.554			PCB-86	ND	1.23		
PCB-42/59	ND	0.627			PCB-87/117/125	ND	0.883		
PCB-43/49	ND	0.706			PCB-88/91	ND	1.11		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
individual congeners for qualifiers.

See

**Sample ID: Method Blank**

**EPA Method 1668C**

Matrix: Solid	QC Batch: B0F0059	Lab Sample: B0F0059-BLK1
Sample Size: 5.00 g	Date Extracted: 08-Jun-2020 12:43	Date Analyzed: 14-Jun-20 01:56 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.08			PCB-137	ND	0.642		
PCB-90/101	ND	1.06			PCB-138/163/164	ND	0.506		
PCB-93	ND	1.27			PCB-139/149	ND	0.744		
PCB-94	ND	1.25			PCB-140	ND	0.889		
PCB-95/98/102	ND	0.984			PCB-141	ND	0.694		
PCB-96	ND	0.858			PCB-142	ND	0.715		
PCB-97	ND	1.07			PCB-144	ND	0.894		
PCB-99	ND	0.901			PCB-145	ND	0.593		
PCB-100	ND	1.04			PCB-146/165	ND	0.530		
PCB-103	ND	1.06			PCB-147	ND	0.845		
PCB-104	ND	0.882			PCB-148	ND	0.838		
PCB-105	ND	0.756			PCB-150	ND	0.651		
PCB-106/118	ND	0.801			PCB-151	ND	0.897		
PCB-107/109	ND	0.731			PCB-152	ND	0.594		
PCB-108/112	ND	0.953			PCB-153	ND	0.503		
PCB-110	ND	0.790			PCB-154	ND	0.767		
PCB-111/115	ND	0.721			PCB-155	ND	0.676		
PCB-113	ND	0.786			PCB-156	ND	0.487		
PCB-114	ND	0.700			PCB-157	ND	0.510		
PCB-119	ND	0.763			PCB-158/160	ND	0.524		
PCB-120	ND	0.687			PCB-159	ND	0.438		
PCB-121	ND	0.694			PCB-166	ND	0.467		
PCB-122	ND	0.846			PCB-167	ND	0.478		
PCB-123	ND	0.819			PCB-168	ND	0.500		
PCB-124	ND	0.703			PCB-169	ND	0.506		
PCB-126	ND	0.622			PCB-170	ND	0.687		
PCB-127	ND	0.715			PCB-171	ND	0.644		
PCB-128/162	ND	0.588			PCB-172	ND	0.617		
PCB-129	ND	0.749			PCB-173	ND	0.713		
PCB-130	ND	0.805			PCB-174	ND	0.626		
PCB-131/133	ND	0.657			PCB-175	ND	0.603		
PCB-132/161	ND	0.526			PCB-176	ND	0.441		
PCB-134/143	ND	0.710			PCB-177	ND	0.664		
PCB-135	ND	0.765			PCB-178	ND	0.611		
PCB-136	ND	0.691			PCB-179	ND	0.444		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
individual congeners for qualifiers.

See

Sample ID: Method Blank					EPA Method 1668C				
Matrix: Solid		QC Batch: B0F0059			Lab Sample: B0F0059-BLK1				
Sample Size: 5.00 g		Date Extracted: 08-Jun-2020 12:43			Date Analyzed: 14-Jun-20 01:56 Column: ZB-1				
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND	0.601			Total octaCB	ND	0.580		
PCB-181	ND	0.575			Total nonaCB	ND		0.282	
PCB-182/187	ND	0.541			DecaCB	ND	0.119		
PCB-183	ND	0.564			Total PCB	ND			
PCB-184	ND	0.468							
PCB-185	ND	0.603							
PCB-186	ND	0.434							
PCB-188	ND	0.447							
PCB-189	ND	0.423							
PCB-190	ND	0.520							
PCB-191	ND	0.496							
PCB-192	ND	0.464							
PCB-193	ND	0.506							
PCB-194	ND	0.431							
PCB-195	ND	0.460							
PCB-196/203	ND	0.550							
PCB-197	ND	0.407							
PCB-198	ND	0.580							
PCB-199	ND	0.569							
PCB-200	ND	0.430							
PCB-201	ND	0.438							
PCB-202	ND	0.394							
PCB-204	ND	0.404							
PCB-205	ND	0.373							
PCB-206	ND	0.282							
PCB-207	ND	0.224							
PCB-208	ND		0.282						
PCB-209	ND	0.119							
Total monoCB	ND	0.497							
Total diCB	ND	3.38							
Total triCB	ND	1.22							
Total tetraCB	ND	1.09							
Total pentaCB	ND	1.27							
Total hexaCB	ND	0.894							
Total heptaCB	ND	0.713							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.  
individual congeners for qualifiers.

See



**Sample ID: Method Blank**

**EPA Method 1668C**

Matrix: Solid	QC Batch: B0F0059	Lab Sample: B0F0059-BLK1
Sample Size: 5.00 g	Date Extracted: 08-Jun-2020 12:43	Date Analyzed: 14-Jun-20 01:56 Column: ZB-1

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	75.7	5 - 145		13C-PCB-157	92.5	10 - 145	
13C-PCB-3	75.1	5 - 145		13C-PCB-159	88.5	10 - 145	
13C-PCB-4	77.8	5 - 145		13C-PCB-167	88.9	10 - 145	
13C-PCB-11	76.5	5 - 145		13C-PCB-169	90.3	10 - 145	
13C-PCB-9	77.8	5 - 145		13C-PCB-170	94.2	10 - 145	
13C-PCB-19	62.6	5 - 145		13C-PCB-180	90.3	10 - 145	
13C-PCB-28	75.4	5 - 145		13C-PCB-188	86.2	10 - 145	
13C-PCB-32	61.8	5 - 145		13C-PCB-189	99.0	10 - 145	
13C-PCB-37	77.6	5 - 145		13C-PCB-194	84.7	10 - 145	
13C-PCB-47	78.1	5 - 145		13C-PCB-202	88.3	10 - 145	
13C-PCB-52	76.1	5 - 145		13C-PCB-206	104	10 - 145	
13C-PCB-54	76.4	5 - 145		13C-PCB-208	83.0	10 - 145	
13C-PCB-70	82.9	5 - 145		13C-PCB-209	132	10 - 145	
13C-PCB-77	84.3	10 - 145		CRS 13C-PCB-79	92.6	10 - 145	
13C-PCB-80	82.5	10 - 145		13C-PCB-178	89.0	10 - 145	
13C-PCB-81	83.9	10 - 145					
13C-PCB-95	85.8	10 - 145					
13C-PCB-97	87.0	10 - 145					
13C-PCB-101	86.2	10 - 145					
13C-PCB-104	83.5	10 - 145					
13C-PCB-105	94.7	10 - 145					
13C-PCB-114	94.5	10 - 145					
13C-PCB-118	87.2	10 - 145					
13C-PCB-123	91.4	10 - 145					
13C-PCB-126	102	10 - 145					
13C-PCB-127	95.1	10 - 145					
13C-PCB-138	87.1	10 - 145					
13C-PCB-141	86.8	10 - 145					
13C-PCB-153	89.5	10 - 145					
13C-PCB-155	83.5	10 - 145					
13C-PCB-156	90.8	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
individual congeners for qualifiers.

See

**Sample ID: OPR**

**EPA Method 1668C**

Matrix: Solid  
Sample Size: 5.00 g

QC Batch: B0F0059  
Date Extracted: 08-Jun-2020 12:43

Lab Sample: B0F0059-BS1  
Date Analyzed: 13-Jun-20 21:52 Column: ZB-1

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	1290	1000	129	60 - 135	IS 13C-PCB-1	80.0	15 - 145
PCB-3	1270	1000	127	60 - 135	IS 13C-PCB-3	79.6	15 - 145
PCB-4/10	2460	2000	123	60 - 135	IS 13C-PCB-4	82.5	15 - 145
PCB-15	1220	1000	122	60 - 135	IS 13C-PCB-11	79.8	15 - 145
PCB-19	1180	1000	118	60 - 135	IS 13C-PCB-9	82.5	15 - 145
PCB-37	1280	1000	128	60 - 135	IS 13C-PCB-19	65.6	15 - 145
PCB-54	1210	1000	121	60 - 135	IS 13C-PCB-28	80.3	15 - 145
PCB-77	1170	1000	117	60 - 135	IS 13C-PCB-32	65.8	15 - 145
PCB-81	1230	1000	123	60 - 135	IS 13C-PCB-37	79.8	15 - 145
PCB-104	1190	1000	119	60 - 135	IS 13C-PCB-47	82.7	15 - 145
PCB-105	1190	1000	119	60 - 135	IS 13C-PCB-52	83.8	15 - 145
PCB-106/118	2310	2000	115	60 - 135	IS 13C-PCB-54	83.5	15 - 145
PCB-114	1160	1000	116	60 - 135	IS 13C-PCB-70	85.2	15 - 145
PCB-123	1120	1000	112	60 - 135	IS 13C-PCB-77	87.4	40 - 145
PCB-126	1170	1000	117	60 - 135	IS 13C-PCB-80	86.4	40 - 145
PCB-155	1090	1000	109	60 - 135	IS 13C-PCB-81	88.7	40 - 145
PCB-156	1180	1000	118	60 - 135	IS 13C-PCB-95	84.4	40 - 145
PCB-157	1170	1000	117	60 - 135	IS 13C-PCB-97	88.2	40 - 145
PCB-167	1170	1000	117	60 - 135	IS 13C-PCB-101	85.3	40 - 145
PCB-169	1180	1000	118	60 - 135	IS 13C-PCB-104	84.1	40 - 145
PCB-188	1170	1000	117	60 - 135	IS 13C-PCB-105	97.4	40 - 145
PCB-189	1160	1000	116	60 - 135	IS 13C-PCB-114	96.6	40 - 145
PCB-202	1120	1000	112	60 - 135	IS 13C-PCB-118	90.3	40 - 145
PCB-205	1210	1000	121	60 - 135	IS 13C-PCB-123	90.0	40 - 145
PCB-206	1100	1000	110	60 - 135	IS 13C-PCB-126	108	40 - 145
PCB-208	1150	1000	115	60 - 135	IS 13C-PCB-127	100	40 - 145
PCB-209	1150	1000	115	60 - 135	IS 13C-PCB-138	87.8	40 - 145
					IS 13C-PCB-141	91.1	40 - 145
					IS 13C-PCB-153	91.5	40 - 145
					IS 13C-PCB-155	83.9	40 - 145
					IS 13C-PCB-156	87.6	40 - 145
					IS 13C-PCB-157	89.9	40 - 145
					IS 13C-PCB-159	91.8	40 - 145
					IS 13C-PCB-167	87.5	40 - 145
					IS 13C-PCB-169	85.7	40 - 145
					IS 13C-PCB-170	88.2	40 - 145
					IS 13C-PCB-180	90.1	40 - 145
					IS 13C-PCB-188	89.0	40 - 145
					IS 13C-PCB-189	91.3	40 - 145
					IS 13C-PCB-194	87.5	40 - 145

**Sample ID: OPR**

**EPA Method 1668C**

Matrix: Solid  
Sample Size: 5.00 g

QC Batch: B0F0059  
Date Extracted: 08-Jun-2020 12:43

Lab Sample: B0F0059-BS1  
Date Analyzed: 13-Jun-20 21:52 Column: ZB-1

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	87.4	40 - 145
					IS 13C-PCB-206	112	40 - 145
					IS 13C-PCB-208	86.9	40 - 145
					IS 13C-PCB-209	139	40 - 145
					CRS 13C-PCB-79	88.4	40 - 145
					CRS 13C-PCB-178	85.1	40 - 145

LCL-UCL - Lower control limit - upper control limit

**Sample ID: PDI-148SC-A-00-01-200427**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2000967-01	Date Received:	28-Apr-2020 9:04
Project:	Gasco PDI	Sample Size:	9.26 g	QC Batch:	B0F0059	Date Extracted:	08-Jun-2020 12:43
Date Collected:	27-Apr-2020 9:13	% Solids:	54.3	Date Analyzed :	15-Jun-20 22:03	Column:	ZB-1
					18-Jun-20 05:35	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	16.4			D, J	PCB-44	ND	0.793		
PCB-2	30.7			D, J	PCB-45	112			
PCB-3	21.0			D, J	PCB-46	46.8			
PCB-4/10	42.9			D, J	PCB-47	294			
PCB-5/8	122			D	PCB-48/75	122			
PCB-6	52.8			D	PCB-50	3.77			J
PCB-7/9	ND	6.09		D	PCB-51	43.2			
PCB-11	93.9			D	PCB-52/69	992			
PCB-12/13	31.7			D, J	PCB-53	128			
PCB-14	ND	6.05		D	PCB-54	8.33			
PCB-15	91.7			D	PCB-55	ND		6.73	
PCB-16/32	239			D	PCB-56/60	441			
PCB-17	197			D	PCB-57	8.10			
PCB-18	361			D	PCB-58	ND	0.477		
PCB-19	57.0			D	PCB-61/70	1110			
PCB-20/21/33	288				PCB-62	ND	0.579		
PCB-22	136				PCB-63	ND	0.535		
PCB-23	ND	0.975			PCB-65	ND	0.510		
PCB-24/27	34.5			D, J	PCB-66/76	961			
PCB-25	104				PCB-67	ND	0.529		
PCB-26	123				PCB-68	5.85			
PCB-28	524				PCB-73	ND	0.452		
PCB-29	ND	0.964			PCB-74	308			
PCB-30	ND	2.99		D	PCB-77	70.4			
PCB-31	494				PCB-78	ND	0.443		
PCB-34	6.70				PCB-79	ND		11.1	
PCB-35	ND	0.989			PCB-80	ND	0.388		
PCB-36	ND	0.960			PCB-81	ND	0.481		
PCB-37	156				PCB-82	152			
PCB-38	ND	0.982			PCB-83	ND	0.369		
PCB-39	ND	1.04			PCB-84/92	727			
PCB-40	ND	1.09			PCB-85/116	201			
PCB-41/64/71/72	558				PCB-86	ND	0.605		
PCB-42/59	ND	0.622			PCB-87/117/125	458			
PCB-43/49	682				PCB-88/91	235			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: PDI-148SC-A-00-01-200427**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2000967-01	Date Received:	28-Apr-2020 9:04
Project:	Gasco PDI	Sample Size:	9.26 g	QC Batch:	B0F0059	Date Extracted:	08-Jun-2020 12:43
Date Collected:	27-Apr-2020 9:13	% Solids:	54.3	Date Analyzed :	15-Jun-20 22:03	Column:	ZB-1
					18-Jun-20 05:35	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	14.5				PCB-137	44.3			
PCB-90/101	1700				PCB-138/163/164	1470			
PCB-93	ND	0.606			PCB-139/149	1420			
PCB-94	9.75				PCB-140	18.4			
PCB-95/98/102	1120				PCB-141	287			
PCB-96	ND	0.482			PCB-142	1.26			J
PCB-97	387				PCB-144	84.4			
PCB-99	639				PCB-145	ND	0.411		
PCB-100	ND	0.583			PCB-146/165	296			
PCB-103	ND	0.593			PCB-147	41.0			
PCB-104	1.49			J	PCB-148	ND	0.580		
PCB-105	368				PCB-150	7.25			
PCB-106/118	1180				PCB-151	492			
PCB-107/109	92.7				PCB-152	2.16			J
PCB-108/112	60.5				PCB-153	1480			
PCB-110	1520				PCB-154	56.9			
PCB-111/115	19.3				PCB-155	ND	0.468		
PCB-113	ND	0.400			PCB-156	124			
PCB-114	20.5				PCB-157	26.0			
PCB-119	52.8				PCB-158/160	146			
PCB-120	6.96				PCB-159	16.3			
PCB-121	ND	0.331			PCB-166	4.24			J
PCB-122	13.0				PCB-167	48.6			
PCB-123	19.6				PCB-168	3.25			J
PCB-124	40.9				PCB-169	ND	0.583		
PCB-126	5.75				PCB-170	426			
PCB-127	ND	0.789			PCB-171	123			
PCB-128/162	203				PCB-172	69.8			
PCB-129	54.8				PCB-173	9.80			
PCB-130	99.4				PCB-174	446			
PCB-131/133	57.5				PCB-175	18.9			
PCB-132/161	404				PCB-176	56.9			
PCB-134/143	84.4				PCB-177	285			
PCB-135	242				PCB-178	104			
PCB-136	302				PCB-179	209			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: PDI-148SC-A-00-01-200427**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2000967-01	Date Received:	28-Apr-2020 9:04
Project:	Gasco PDI	Sample Size:	9.26 g	QC Batch:	B0F0059	Date Extracted:	08-Jun-2020 12:43
Date Collected:	27-Apr-2020 9:13	% Solids:	54.3	Date Analyzed :	15-Jun-20 22:03	Column:	ZB-1
					18-Jun-20 05:35	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	986				Total octaCB	979			
PCB-181	ND	0.795			Total nonaCB	193			
PCB-182/187	573				DecaCB	184			
PCB-183	245				Total PCB	30800			
PCB-184	ND		0.615						
PCB-185	51.6								
PCB-186	ND		0.370						
PCB-188	1.35			J					
PCB-189	14.1								
PCB-190	83.0								
PCB-191	16.9								
PCB-192	ND	0.642							
PCB-193	52.9								
PCB-194	187								
PCB-195	87.1								
PCB-196/203	275								
PCB-197	10.2								
PCB-198	11.8								
PCB-199	269								
PCB-200	37.1								
PCB-201	37.8								
PCB-202	54.7								
PCB-204	ND	0.825							
PCB-205	8.80								
PCB-206	132								
PCB-207	19.6								
PCB-208	41.4								
PCB-209	184			D					
Total monoCB	68.1								
Total diCB	435								
Total triCB	2720								
Total tetraCB	5890		5910						
Total pentaCB	9050								
Total hexaCB	7520								
Total heptaCB	3770								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: PDI-148SC-A-00-01-200427**

**EPA Method 1668C**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2000967-01
Project:	Gasco PDI	Sample Size:	9.26 g	Date Received:	28-Apr-2020 9:04
Date Collected:	27-Apr-2020 9:13	% Solids:	54.3	QC Batch:	B0F0059
				Date Analyzed :	15-Jun-20 22:03 Column: ZB-1
					18-Jun-20 05:35 Column: ZB-1

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	72.0	5 -145	D	13C-PCB-170	92.2	10 -145	
13C-PCB-3	79.8	5 -145	D	13C-PCB-180	94.0	10 -145	
13C-PCB-4	90.0	5 -145	D	13C-PCB-188	94.2	10 -145	
13C-PCB-11	97.9	5 -145	D	13C-PCB-189	88.2	10 -145	
13C-PCB-9	91.4	5 -145	D	13C-PCB-194	104	10 -145	
13C-PCB-19	82.8	5 -145	D	13C-PCB-202	72.8	10 -145	
13C-PCB-28	88.0	5 -145		13C-PCB-206	137	10 -145	
13C-PCB-32	82.9	5 -145	D	13C-PCB-208	132	10 -145	
13C-PCB-37	90.4	5 -145		13C-PCB-209	148	10 -145	D, H
13C-PCB-47	90.7	5 -145		CRS 13C-PCB-79	96.7	10 -145	
13C-PCB-52	89.1	5 -145		13C-PCB-178	89.4	10 -145	
13C-PCB-54	84.3	5 -145					
13C-PCB-70	69.1	5 -145					
13C-PCB-77	91.0	10 -145					
13C-PCB-80	91.7	10 -145					
13C-PCB-81	92.2	10 -145					
13C-PCB-95	95.7	10 -145					
13C-PCB-97	95.1	10 -145					
13C-PCB-101	93.8	10 -145					
13C-PCB-104	91.5	10 -145					
13C-PCB-105	82.0	10 -145					
13C-PCB-114	84.3	10 -145					
13C-PCB-118	91.0	10 -145					
13C-PCB-123	95.8	10 -145					
13C-PCB-126	73.8	10 -145					
13C-PCB-127	82.3	10 -145					
13C-PCB-138	90.3	10 -145					
13C-PCB-141	92.8	10 -145					
13C-PCB-153	94.1	10 -145					
13C-PCB-155	68.7	10 -145					
13C-PCB-156	88.3	10 -145					
13C-PCB-157	89.4	10 -145					
13C-PCB-159	89.1	10 -145					
13C-PCB-167	88.8	10 -145					
13C-PCB-169	84.6	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

## DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.



### Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	19-013-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-23
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Massachusetts Department of Environmental Protection	N/A
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1521520
New Hampshire Environmental Accreditation Program	207718-B
New Jersey Department of Environmental Protection	190001
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-010
Pennsylvania Department of Environmental Protection	016
Texas Commission on Environmental Quality	T104704189-19-10
Vermont Department of Health	VT-4042
Virginia Department of General Services	10272
Washington Department of Ecology	C584-19
Wisconsin Department of Natural Resources	998036160

*Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.*

## NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613/1613B
1,4-Dioxane (1,4-Diethyleneoxide) analysis by GC/HRMS	EPA 522
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

POC: Delaney Peterson (360-715-2707)  
1605 Cornwall Avenue, Bellingham, WA 98225

Project: Gasco PDI  
Client: NW Natural

3.4°C

2000967

COC ID: VISTA-20200427-102923  
Sample Custodian: SN  
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
* 001	PDI-1148SC-A-07-08-200427	FD	SE	04/27/2020		1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
* 002	PDI-148SC-A-00-01-200427	N	SE	04/27/2020	9:13	1	<input type="checkbox"/>	Dioxin/Furans * PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
* 003	PDI-148SC-A-01-02-200427	N	SE	04/27/2020	9:13	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
* 004	PDI-148SC-A-02-03-200427	N	SE	04/27/2020	9:13	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
* 005	PDI-148SC-A-03-04-200427	N	SE	04/27/2020	9:13	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
* 006	PDI-148SC-A-04-05-200427	N	SE	04/27/2020	9:13	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
* 007	PDI-148SC-A-05-06-200427	N	SE	04/27/2020	9:13	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C

Comment: \* WO # 2000967

Relinquished By: Signature: <i>[Signature]</i>	Received By: Signature: <i>[Signature]</i>	Relinquished By: Signature: <i>[Signature]</i>	Received By: Signature: <i>[Signature]</i>	Relinquished By: Signature: <i>[Signature]</i>	Received By: Signature: <i>[Signature]</i>
Print Name: <i>Sasha Norwood</i>	Print Name: <i>Will Wright</i>	Print Name: <i>[Signature]</i>	Print Name: <i>[Signature]</i>	Print Name: <i>[Signature]</i>	Print Name: <i>[Signature]</i>
Company: <i>Anchor OEA</i>	Company: <i>VAC</i>	Company: <i>[Signature]</i>	Company: <i>[Signature]</i>	Company: <i>[Signature]</i>	Company: <i>[Signature]</i>
Date/Time: <i>4/27/20 1230</i>	Date/Time: <i>4-28-20 09:04</i>	Date/Time: <i>[Signature]</i>	Date/Time: <i>[Signature]</i>	Date/Time: <i>[Signature]</i>	Date/Time: <i>[Signature]</i>

# Sample Log-In Checklist

 Page # 1 of 1

 Vista Work Order #: 2000967

 TAT Std

<b>Samples Arrival:</b>	<b>Date/Time:</b> 4/20/20 09:04	<b>Initials:</b> URW	<b>Location:</b> WR-2
			<b>Shelf/Rack:</b> N/A
<b>Delivered By:</b>	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
		<input type="checkbox"/> GLS	<input type="checkbox"/> DHL
		<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
<b>Preservation:</b>	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
<b>Temp °C:</b> 3.4 (uncorrected)	<b>Probe used:</b> Y <input checked="" type="checkbox"/> N		<b>Thermometer ID:</b> IR-3
<b>Temp °C:</b> 3.4 (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>		
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>		
Airbill <u>3 of 2 1 of 3</u> <u>4/20/20</u> Trk # <u>7703 3190 0431</u>	<input checked="" type="checkbox"/>		
Shipping Documentation Present?	<input checked="" type="checkbox"/>		
Shipping Container	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Present? *	<input checked="" type="checkbox"/>		
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>		
Holding Time Acceptable?	<input checked="" type="checkbox"/>		
<b>Logged In:</b>	<b>Date/Time:</b> 04/29/20 1234	<b>Initials:</b> KS	<b>Location:</b> WR-2
			<b>Shelf/Rack:</b> G-5
COC Anomaly/Sample Acceptance Form completed?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Comments: \* COC in cooler 3 of 3

# CoC/Label Reconciliation Report WO# 2000967

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2000967-01	A PDI-148SC-A-00-01-200427	<input checked="" type="checkbox"/>	27-Apr-20 09:13	Amber Glass, 120 mL	Solid	<input checked="" type="checkbox"/>

Checkmarks indicate that information on the COC reconciled with the sample label.  
Any discrepancies are noted in the following columns.

	Yes	No	NA	Comments:
Sample Container Intact?	✓			
Sample Custody Seals Intact?			✓	
Adequate Sample Volume?	✓			
Container Type Appropriate for Analysis(es)	✓			
Preservation Documented: Na2S2O3 Trizma <u>None</u> Other		✓	✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓	

Verified by/Date: KS 04/29/20

## **EXTRACTION INFORMATION**

Process Sheet  
Workorder: 2000967

RX

07 06/04/2020

Workorder Due: 26-May-20 00:00

Prep Expiration: 2021-04-27  
Client: Anchor QEA, LLC

TAT: 28

Method: 1668C Full List  
Matrix: Solid  
Client Matrix: Sediment  
Also run: Percent Solids

Prep Batch: BOF0059

**RUSH!**

Prep Data Entered: 06/10/20 RR  
Date and Initials

Initial Sequence: SOF0034

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2000967-01	<input checked="" type="checkbox"/>	PDI-148SC-A-00-01-200427	28-Apr-20 09:04	WR-2 G-5	

WO Comments: PCB - 5g extraction (dry weight)  
One dup required per batch of 20 samples

YMM 06/08/20

Pre-Prep Check Out: N/A  
Pre-Prep Check In: N/A

Prep Check Out: YMM 06/08/20  
Prep Check In: YMM 06/08/20

Prep Reconciled Initials/Date: YMM 06/08/20  
Spike Reconciled Initials/Date: AO 06/08/20  
VialBoxID: Danger close



PREPARATION BENCH SHEET

Matrix: Solid

B0F0059

Chemist: ELL

Method: 1668C Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 08-Jun-20 12:43

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
A1	B0F0059-BLK1	N/A	(5.00)	ELL 06/08/20	A7 ELL 06/10/20	NA	ELL 06/10/20	NA	NA	RR ME 06/10/20
A2	B0F0059-BS1	N/A	(5.00)							
A3	B0F0059-DUP1 2000962-01RE1	7.54	7.50				pale yellow			
A4	2000962-01RE1	7.54	7.61				↓			
A5	2000962-02RE1	6.10	6.15				orange			
A6	2000967-01RE1	9.21	9.26				↓			
A7	2000968-01RE1	5.96	5.97				pale yellow			
A8	2000968-02RE1	10.03	10.05				↓			
A9	2000974-01RE1	7.12	7.17				yellow			
A10	2000975-01RE1	5.54	5.59							
A11	2000977-01RE1	7.80	7.87				yellow			

Four solvent rinses + debraves performed on rotovaps A7 06/10/20

(A) 44% turned grey on column on A7 06/10/20

IS: <u>19B2601, 10mL</u>	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: <u>ELL 06/08/20</u>	Soxhlet Siphoned	Notes:
NS: <u>19B2602, 10mL</u>	Start Date/Time	SOLV: <u>TDI</u>	Chemist/Date: <u>ELL 06/08/20</u>	Chemist/Date: <u>ELL 06/08/20</u>	
PS/CRS: <u>19B2603, 10mL</u>	1531 06/08/20	Other: <u>N/A</u>	Check In: <u>ELL 06/08/20</u>	Chemist/Date: <u>ELL 06/08/20</u>	
RS: <u>19B2604, 10mL</u>	Stop Date/Time	Final Volume(s) <u>100 mL</u>	Balance ID: <u>HRMS-08</u>	Vial Transfer	
Diox/F PCB PAH PEST PBDE HCB	<u>0750 06/09/20</u>	<u>C9</u>		Chemist/Date: <u>RR 06/10/20</u>	

Comments:

- 1 = Sample approached dryness on rotovap
- 2 = Sample bumped on rotovap; lost < 5%
- 3 = Sample poured through Na2SO4 to remove water
- 4 = Precipitate present at Final Volume
- 5 = Sample homogenized in secondary container
- 6 = Sample clogged during extraction; pipetted and used Nitrogen to assist
- 7 = Soxhlet approached dryness

Batch: B0F0059

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2000962-01RE1	7.61 ✓	66.33	5.0477	100 ✓	08-Jun-20 12:43	EMM ✓			Sediment	1668C Full List
2000962-02RE1	6.15 ✓	82.03	5.0448	100	08-Jun-20 12:43	EMM			Sediment	1668C Full List
2000967-01RE1	9.26 ✓	54.31	5.0291	100	08-Jun-20 12:43	EMM			Sediment	1668C Full List
2000968-01RE1	5.97 ✓	83.88	5.0076	100	08-Jun-20 12:43	EMM			Sediment	1668C Full List
2000968-02RE1	10.05 ✓	49.85	5.0099	100	08-Jun-20 12:43	EMM			Sediment	1668C Full List
2000974-01RE1	7.17 ✓	70.23	5.0355	100	08-Jun-20 12:43	EMM			Sediment	1668C Full List
2000975-01RE1	5.59 ✓	90.23	5.0439	100	08-Jun-20 12:43	EMM			Sediment	1668C Full List
2000977-01RE1	7.87 ✓	63.59	5.0045	100	08-Jun-20 12:43	EMM			Sediment	1668C Full List
<b>B0F0059-BLK1</b>	<b>5 ✓</b>			<b>100</b>	<b>08-Jun-20 12:43</b>	<b>EMM</b>				QC
<b>B0F0059-BS1</b>	<b>5 ✓</b>			<b>100</b>	<b>08-Jun-20 12:43</b>	<b>EMM</b>	<b>19B2602 ✓</b>	<b>10 ✓</b>		QC
<b>B0F0059-DUP1</b>	<b>7.56 ✓</b>			<b>100 ✓</b>	<b>08-Jun-20 12:43</b>	<b>EMM</b>				QC

All bolded data on report verified against written benchsheet by (initial/date) RF 06/10/20

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0D0316

Analyst: RR ✓	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) RR ✓
Analyte:	Units: %	
Oven ID: 01 02	Dried at 110°C±5°C	

Inst-HRMS-8 ✓

Date/Time IN: 04/30/20/1638 ✓ Date/Time OUT: 05/01/20/0658 ✓

Particle Size	SampID	SampType	Initial and Date:		Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	RR 04/30/20 ✓		pH Before	pH After	Acid Added	Sample Homogenized*
			Pan Tare Wt. (gms)						Visual inspection	Cl-				
	2000962-01	A ✓	Sample	1.2800 ✓	7.4400 ✓	5.3600 ✓	4.0800	66.23	MUD ✓	NA	NA	NA	NA	X ✓
	2000962-02	A	Sample	1.3100 ✓	6.0400 ✓	5.1900 ✓	3.8800	82.03	SAND ✓	NA	NA	NA	NA	X
	2000968-01	A	Sample	1.2800 ✓	8.5400 ✓	7.3700 ✓	6.0900	83.88	SAND ✓	NA	NA	NA	NA	X
	2000968-02	A	Sample	1.3000 ✓	8.0400 ✓	4.6600 ✓	3.3600	49.85	MUD ✓	NA	NA	NA	NA	X
	2000974-01	A	Sample	1.2900 ✓	5.1200 ✓	3.9800 ✓	2.6900	70.23	MUD ✓	NA	NA	NA	NA	X
	2000975-01	A	Sample	1.2900 ✓	5.5900 ✓	5.1700 ✓	3.8800	90.23	SAND ✓	NA	NA	NA	NA	X
	2000977-01	A	Sample	1.3000 ✓	7.2600 ✓	5.0900 ✓	3.7900	63.59	MUD ✓	NA	NA	NA	NA	X
	2000967-01	A	Sample	1.3000 ✓	8.2600 ✓	5.0800 ✓	3.7800	54.31	MUD ✓	NA	NA	NA	NA	X

\*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0D0316

Analyst: <b>RR</b>	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <u>NA</u>
Analyte:	Units: %	
Oven ID: <b>01</b> 02	Dried at 110°C+/-5°C	

Inst **HRMS-8**

Date/Time IN: **04/30/20** 1638  
Date/Time OUT: **05/01/20** 0658

Particle Size	SampleID	SampType	Initial and Date:		Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl- Before	pH After	Acid Added	Sample Homogenized*
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)							
				<b>RR 04/30/20</b>	<b>RR 05/01/20</b>						
	2000962-01	Sample	1.28	7.44	5.36	NA	Mud				X
	2000962-02	Sample	1.31	6.04	5.19		Sand				Y
	2000968-01	Sample	1.28	8.54	7.37		Sand				X
	2000968-02	Sample	1.30	8.04	4.66		Mud				X
	2000974-01	Sample	1.29	5.12	3.98		Mud				X
	2000975-01	Sample	1.29	5.59	5.17		Sand				X
	2000977-01	Sample	1.30	7.26	5.09		Mud				X
	<b>2000967-01</b>	<b>A</b>	<b>1.30</b>	<b>8.26</b>	<b>5.08</b>		<b>NA</b>				

\*Sample homogenized in sample container unless otherwise noted.

**SAMPLE DATA – EPA METHOD 1668C**

Dataset: U:\VG11.PRO\Results\200613K2\200613K2-12.qld

Last Altered: Sunday, June 14, 2020 15:11:14 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 15:11:29 Pacific Daylight Time

*Hz 6/14/2020*

*C1 06/23/2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_6-13-20.mdb 14 Jun 2020 13:31:38  
Calibration: U:\VG11.PRO\CurveDB\vb1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	ri/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RTT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1			NO	1.17	5.000	15.52		1.001		YES			0.472	
2	2 PCB-2			NO	1.18	5.000	17.94		0.988		YES			0.482	
3	3 PCB-3			NO	1.15	5.000	18.17		1.001		YES			0.497	
4	4 PCB-4/10			NO	1.25	5.000	19.58		1.004		YES			3.38	
5	5 PCB-7/9			NO	0.960	5.000	21.38		1.003		YES			2.71	
6	6 PCB-6			NO	1.02	5.000	22.04		1.033		YES			2.54	
7	7 PCB-5/8			NO	0.992	5.000	22.44		1.052		YES			2.62	
8	8 PCB-14			NO	1.02	5.000	23.58		0.952		YES			2.72	
9	9 PCB-11			NO	1.13	5.000	24.80		1.001		YES			2.46	
10	10 PCB-12/13			NO	1.03	5.000	25.23		1.018		YES			2.70	
11	11 PCB-15			NO	1.03	5.000	25.54		1.031		YES			2.68	
12	12 PCB-19			NO	1.11	5.000	23.77		1.001		YES			1.21	
13	13 PCB-30			NO	1.79	5.000	24.67		1.039		YES			0.747	
14	14 PCB-18			NO	0.818	5.000	25.44		0.952		YES			1.13	
15	15 PCB-17			NO	0.758	5.000	25.62		0.958		YES			1.22	
16	16 PCB-24/27			NO	1.08	5.000	26.23		0.981		YES			0.853	
17	17 PCB-16/32			NO	0.925	5.000	26.75		1.001		YES			0.998	
18	18 PCB-34			NO	0.945	5.000	27.56		0.959		YES			0.881	
19	19 PCB-23			NO	0.883	5.000	27.65		0.962		YES			0.944	
20	20 PCB-29			NO	0.893	5.000	27.91		0.971		YES			0.933	
21	21 PCB-26			NO	0.944	5.000	28.14		0.979		YES			0.883	
22	22 PCB-25			NO	0.950	5.000	28.29		0.984		YES			0.877	
23	23 PCB-31			NO	1.04	5.000	28.66		0.997		YES			0.804	
24	24 PCB-28			NO	1.03	5.000	28.77		1.001		YES			0.813	
25	25 PCB-20/21/33			NO	0.941	5.000	29.41		1.023		YES			0.885	
26	26 PCB-22			NO	0.973	5.000	29.85		1.038		YES			0.857	
27	27 PCB-36			NO	1.08	5.000	30.49		0.931		YES			0.834	
28	28 PCB-39			NO	0.988	5.000	30.97		0.946		YES			0.908	
29	29 PCB-38			NO	1.05	5.000	31.77		0.970		YES			0.853	
30	30 PCB-35			NO	1.04	5.000	32.31		0.987		YES			0.859	
31	31 PCB-37			NO	1.01	5.000	32.75		1.001		YES			0.889	
32	32 PCB-54			NO	1.08	5.000	27.62		1.001		YES			0.521	

Dataset: U:\VG11.PRO\Results\200613K2\200613K2-12.qld

Last Altered: Sunday, June 14, 2020 15:11:14 Pacific Daylight Time

Printed: Sunday, June 14, 2020 15:11:29 Pacific Daylight Time

Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50			NO	0.880	5.000	28.81		1.044		YES			0.639	
34	34 PCB-53			NO	0.997	5.000	29.50		0.944		YES			0.720	
35	35 PCB-51			NO	1.07	5.000	29.84		0.955		YES			0.674	
36	36 PCB-45			NO	0.858	5.000	30.29		0.969		YES			0.836	
37	37 PCB-46			NO	0.831	5.000	30.78		0.985		YES			0.864	
38	38 PCB-52/69			NO	1.17	5.000	31.28		1.001		YES			0.615	
39	39 PCB-73			NO	1.44	5.000	31.40		1.005		YES			0.497	
40	40 PCB-43/49			NO	1.02	5.000	31.57		1.010		YES			0.706	
41	41 PCB-47			NO	0.922	5.000	31.77		1.001		YES			0.714	
42	42 PCB-48/75			NO	1.12	5.000	31.88		1.004		YES			0.588	
43	43 PCB-65			NO	1.28	5.000	32.15		1.013		YES			0.513	
44	44 PCB-62			NO	1.13	5.000	32.26		1.016		YES			0.584	
45	45 PCB-44			NO	0.824	5.000	32.60		1.027		YES			0.799	
46	46 PCB-42/59			NO	1.05	5.000	32.83		1.034		YES			0.627	
47	47 PCB-41/64/71/72			NO	1.19	5.000	33.43		1.053		YES			0.554	
48	48 PCB-68			NO	1.28	5.000	33.68		1.061		YES			0.515	
49	49 PCB-40			NO	0.602	5.000	33.91		1.068		YES			1.09	
50	50 PCB-57			NO	1.16	5.000	34.30		0.969		YES			0.471	
51	51 PCB-67			NO	1.08	5.000	34.62		0.978		YES			0.505	
52	52 PCB-58			NO	1.20	5.000	34.74		0.982		YES			0.455	
53	53 PCB-63			NO	1.07	5.000	34.90		0.986		YES			0.511	
54	54 PCB-74			NO	1.19	5.000	35.20		0.994		YES			0.462	
55	55 PCB-61/70			NO	1.05	5.000	35.41		1.000		YES			0.520	
56	56 PCB-76/66			NO	1.16	5.000	35.60		1.006		YES			0.471	
57	57 PCB-80			NO	1.19	5.000	35.84		1.001		YES			0.433	
58	58 PCB-55			NO	1.17	5.000	36.16		1.010		YES			0.440	
59	59 PCB-56/60			NO	1.02	5.000	36.68		1.024		YES			0.505	
60	60 PCB-79			NO	1.14	5.000	37.78		1.055		YES			0.452	
61	61 PCB-78			NO	1.14	5.000	38.50		0.987		YES			0.456	
62	62 PCB-81			NO	1.05	5.000	39.04		1.000		YES			0.495	
63	63 PCB-77			NO	1.14	5.000	39.66		1.000		YES			0.475	
64	64 PCB-104			NO	1.12	5.000	32.46		1.001		YES			0.882	
65	65 PCB-96			NO	1.15	5.000	33.78		1.041		YES			0.858	
66	66 PCB-103			NO	0.936	5.000	34.34		1.059		YES			1.06	
67	67 PCB-100			NO	0.954	5.000	34.69		1.069		YES			1.04	
68	68 PCB-94			NO	0.949	5.000	35.18		0.985		YES			1.25	

Dataset: U:\VG11.PRO\Results\200613K2\200613K2-12.qld

Last Altered: Sunday, June 14, 2020 15:11:14 Pacific Daylight Time

Printed: Sunday, June 14, 2020 15:11:29 Pacific Daylight Time

Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	FA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102			NO	1.20	5.000	35.65		0.999		YES			0.984	
70	70 PCB-93			NO	0.935	5.000	35.77		1.002		YES			1.27	
71	71 PCB-88/91			NO	1.06	5.000	36.12		1.012		YES			1.11	
72	72 PCB-121			NO	1.71	5.000	36.21		1.015		YES			0.694	
73	73 PCB-84/92			NO	1.02	5.000	37.08		0.990		YES			1.17	
74	74 PCB-89			NO	1.11	5.000	37.25		0.995		YES			1.08	
75	75 PCB-90/101			NO	1.12	5.000	37.46		1.000		YES			1.06	
76	76 PCB-113			NO	1.51	5.000	37.70		1.007		YES			0.786	
77	77 PCB-99			NO	1.32	5.000	37.79		1.009		YES			0.901	
78	78 PCB-119			NO	1.81	5.000	38.28		0.987		YES			0.763	
79	79 PCB-108/112			NO	1.44	5.000	38.44		0.991		YES			0.953	
80	80 PCB-83			NO	1.83	5.000	38.59		0.995		YES			0.752	
81	81 PCB-97			NO	1.28	5.000	38.80		1.000		YES			1.07	
82	82 PCB-86			NO	1.12	5.000	38.95		1.004		YES			1.23	
83	83 PCB-87/117/125			NO	1.56	5.000	39.10		1.008		YES			0.883	
84	84 PCB-111/115			NO	1.91	5.000	39.25		1.012		YES			0.721	
85	85 PCB-85/116			NO	1.41	5.000	39.38		1.015		YES			0.976	
86	86 PCB-120			NO	2.01	5.000	39.64		1.022		YES			0.687	
87	87 PCB-110			NO	1.74	5.000	39.77		1.026		YES			0.790	
88	88 PCB-82			NO	0.781	5.000	40.43		0.976		YES			1.26	
89	89 PCB-124			NO	1.40	5.000	41.13		0.993		YES			0.703	
90	90 PCB-107/109			NO	1.34	5.000	41.27		0.996		YES			0.731	
91	91 PCB-123			NO	1.20	5.000	41.44		1.000		YES			0.819	
92	92 PCB-106/118			NO	1.22	5.000	41.65		1.001		YES			0.801	
93	93 PCB-114			NO	1.14	5.000	42.31		1.000		YES			0.700	
94	94 PCB-122			NO	0.944	5.000	42.45		1.004		YES			0.846	
95	95 PCB-105			NO	1.05	5.000	43.19		1.000		YES			0.756	
96	96 PCB-127			NO	1.06	5.000	43.55		1.000		YES			0.715	
97	97 PCB-126			NO	1.17	5.000	45.51		1.000		YES			0.622	
98	98 PCB-155			NO	1.04	5.000	36.98		1.000		YES			0.676	
99	99 PCB-150			NO	1.08	5.000	38.30		1.036		YES			0.651	
100	1... PCB-152			NO	1.19	5.000	38.78		1.049		YES			0.594	
101	1... PCB-145			NO	1.19	5.000	39.25		1.062		YES			0.593	
102	1... PCB-136			NO	1.02	5.000	39.58		1.071		YES			0.691	
103	1... PCB-148			NO	0.842	5.000	39.69		1.074		YES			0.838	
104	1... PCB-154			NO	0.919	5.000	40.20		1.088		YES			0.767	



Dataset: U:\VG11.PRO\Results\200613K2\200613K2-12.qld

Last Altered: Sunday, June 14, 2020 15:11:14 Pacific Daylight Time

Printed: Sunday, June 14, 2020 15:11:29 Pacific Daylight Time

Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151			NO	0.787	5.000	40.86		1.105		YES			0.897	
106	1... PCB-135			NO	0.922	5.000	41.07		1.111		YES			0.765	
107	1... PCB-144			NO	0.789	5.000	41.18		1.114		YES			0.894	
108	1... PCB-147			NO	0.834	5.000	41.31		1.118		YES			0.845	
109	1... PCB-139/149			NO	0.948	5.000	41.60		1.125		YES			0.744	
110	1... PCB-140			NO	0.794	5.000	41.78		1.130		YES			0.889	
111	1... PCB-134/143			NO	0.759	5.000	42.26		0.975		YES			0.710	
112	1... PCB-131/133			NO	0.821	5.000	42.56		0.982		YES			0.657	
113	1... PCB-142			NO	0.754	5.000	42.71		0.985		YES			0.715	
114	1... PCB-146/165			NO	1.02	5.000	42.95		0.991		YES			0.530	
115	1... PCB-132/161			NO	1.02	5.000	43.18		0.996		YES			0.526	
116	1... PCB-153			NO	1.07	5.000	43.36		1.000		YES			0.503	
117	1... PCB-168			NO	1.08	5.000	43.59		1.006		YES			0.500	
118	1... PCB-141			NO	1.03	5.000	44.12		1.000		YES			0.694	
119	1... PCB-137			NO	1.11	5.000	44.52		1.010		YES			0.642	
120	1... PCB-130			NO	0.885	5.000	44.62		1.012		YES			0.805	
121	1... PCB-138/163/164			NO	1.28	5.000	45.01		1.001		YES			0.506	
122	1... PCB-158/160			NO	1.24	5.000	45.26		1.006		YES			0.524	
123	1... PCB-129			NO	0.867	5.000	45.52		1.012		YES			0.749	
124	1... PCB-166			NO	1.14	5.000	45.99		0.993		YES			0.467	
125	1... PCB-159			NO	1.22	5.000	46.32		1.000		YES			0.438	
126	1... PCB-128/162			NO	0.907	5.000	46.61		1.007		YES			0.588	
127	1... PCB-167			NO	1.11	5.000	47.02		1.000		YES			0.478	
128	1... PCB-156			NO	1.13	5.000	48.35		1.000		YES			0.487	
129	1... PCB-157			NO	1.04	5.000	48.65		1.001		YES			0.510	
130	1... PCB-169			NO	1.16	5.000	50.91		1.000		YES			0.506	
131	1... PCB-188			NO	1.29	5.000	43.01		1.001		YES			0.447	
132	1... PCB-184			NO	1.23	5.000	43.44		1.011		YES			0.468	
133	1... PCB-179			NO	1.30	5.000	44.26		1.030		YES			0.444	
134	1... PCB-176			NO	1.31	5.000	44.72		1.041		YES			0.441	
135	1... PCB-186			NO	1.33	5.000	45.35		1.055		YES			0.434	
136	1... PCB-178			NO	0.943	5.000	45.87		1.067		YES			0.611	
137	1... PCB-175			NO	0.956	5.000	46.22		1.076		YES			0.603	
138	1... PCB-182/187			NO	1.07	5.000	46.40		1.080		YES			0.541	
139	1... PCB-183			NO	1.02	5.000	46.74		1.088		YES			0.564	
140	1... PCB-185			NO	1.41	5.000	47.42		0.955		YES			0.603	

Dataset: U:\VG11.PRO\Results\200613K2\200613K2-12.qld

Last Altered: Sunday, June 14, 2020 15:11:14 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 15:11:29 Pacific Daylight Time

Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174			NO	1.35	5.000	47.81		0.962		YES			0.626	
142	1... PCB-181			NO	1.47	5.000	47.90		0.964		YES			0.575	
143	1... PCB-177			NO	1.28	5.000	48.06		0.968		YES			0.664	
144	1... PCB-171			NO	1.32	5.000	48.36		0.974		YES			0.644	
145	1... PCB-173			NO	1.19	5.000	48.80		0.983		YES			0.713	
146	1... PCB-172			NO	1.38	5.000	49.28		0.992		YES			0.617	
147	1... PCB-192			NO	1.83	5.000	49.47		0.996		YES			0.464	
148	1... PCB-180			NO	1.41	5.000	49.69		1.000		YES			0.601	
149	1... PCB-193			NO	1.68	5.000	49.90		1.005		YES			0.506	
150	1... PCB-191			NO	1.71	5.000	50.17		1.010		YES			0.496	
151	1... PCB-170			NO	1.40	5.000	51.36		1.000		YES			0.687	
152	1... PCB-190			NO	1.85	5.000	51.55		1.004		YES			0.520	
153	1... PCB-189			NO	1.45	5.000	53.09		1.000		YES			0.423	
154	1... PCB-202			NO	1.17	5.000	48.59		1.001		YES			0.394	
155	1... PCB-201			NO	1.05	5.000	49.09		1.011		YES			0.438	
156	1... PCB-204			NO	1.14	5.000	49.23		1.014		YES			0.404	
157	1... PCB-197			NO	1.13	5.000	49.55		1.020		YES			0.407	
158	1... PCB-200			NO	1.07	5.000	50.48		1.040		YES			0.430	
159	1... PCB-198			NO	0.794	5.000	52.06		1.072		YES			0.580	
160	1... PCB-199			NO	0.809	5.000	52.16		1.074		YES			0.569	
161	1... PCB-196/203			NO	0.838	5.000	52.48		1.081		YES			0.550	
162	1... PCB-195			NO	1.04	5.000	53.78		0.984		YES			0.460	
163	1... PCB-194			NO	1.12	5.000	54.70		1.000		YES			0.431	
164	1... PCB-205			NO	1.29	5.000	54.97		1.005		YES			0.373	
165	1... PCB-208	5.11e1	0.99	YES	0.933	5.000	53.93	53.94	1.000	1.001	NO	0.3245		0.124	0.2824
166	1... PCB-207			NO	0.916	5.000	54.25		1.006		YES			0.224	
167	1... PCB-206			NO	1.01	5.000	56.24		1.000		YES			0.282	
168	1... PCB-209			NO	0.986	5.000	57.47		1.000		YES			0.119	
169	1... 13C-PCB-1	7.47e5	3.26	NO	0.893	5.000	15.50	15.51	0.608	0.608	NO	1514	75.7	1.78	
170	1... 13C-PCB-3	7.56e5	3.31	NO	0.911	5.000	18.15	18.16	0.712	0.712	NO	1503	75.1	1.75	
171	1... 13C-PCB-4	5.15e5	1.62	NO	0.600	5.000	19.50	19.50	0.765	0.765	NO	1556	77.8	1.17	
172	1... 13C-PCB-9	8.33e5	1.59	NO	0.970	5.000	21.33	21.33	0.836	0.836	NO	1556	77.8	0.723	
173	1... 13C-PCB-11	8.12e5	1.58	NO	0.962	5.000	24.77	24.78	0.971	0.972	NO	1530	76.5	0.729	
174	1... 13C-PCB-19	3.45e5	1.08	NO	0.499	5.000	23.74	23.74	0.931	0.931	NO	1253	62.6	14.2	
175	1... 13C-PCB-32	5.08e5	1.05	NO	0.744	5.000	26.72	26.73	1.048	1.048	NO	1235	61.8	9.52	
176	1... 13C-PCB-28	7.13e5	1.06	NO	1.06	5.000	28.75	28.75	1.004	1.004	NO	1508	75.4	10.1	

Dataset: U:\VG11.PRO\Results\200613K2\200613K2-12.qld

Last Altered: Sunday, June 14, 2020 15:11:14 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 15:11:29 Pacific Daylight Time

Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	6.82e5	1.08	NO	0.989	5.000	32.73	32.73	1.143	1.143	NO	1552	77.6	10.9	
178	1... 13C-PCB-54	4.55e5	0.78	NO	0.999	5.000	27.60	27.60	0.753	0.753	NO	1529	76.4	3.00	
179	1... 13C-PCB-52	3.64e5	0.80	NO	0.804	5.000	31.24	31.25	0.852	0.852	NO	1522	76.1	3.73	
180	1... 13C-PCB-47	3.99e5	0.80	NO	0.857	5.000	31.76	31.75	0.866	0.866	NO	1562	78.1	3.49	
181	1... 13C-PCB-70	4.92e5	0.78	NO	0.996	5.000	35.39	35.40	0.965	0.965	NO	1659	82.9	3.01	
182	1... 13C-PCB-80	5.05e5	0.79	NO	1.03	5.000	35.82	35.82	0.977	0.977	NO	1650	82.5	2.91	
183	1... 13C-PCB-81	4.94e5	0.79	NO	0.988	5.000	39.02	39.02	1.064	1.064	NO	1679	83.9	3.03	
184	1... 13C-PCB-77	4.86e5	0.79	NO	0.969	5.000	39.64	39.64	1.081	1.081	NO	1686	84.3	3.09	
185	1... 13C-PCB-104	2.87e5	1.62	NO	1.02	5.000	32.44	32.44	0.827	0.827	NO	1669	83.5	1.25	
186	1... 13C-PCB-95	2.34e5	1.55	NO	0.805	5.000	35.69	35.69	0.910	0.910	NO	1717	85.8	1.58	
187	1... 13C-PCB-101	2.31e5	1.67	NO	0.793	5.000	37.44	37.44	0.954	0.954	NO	1725	86.2	1.60	
188	1... 13C-PCB-97	2.05e5	1.64	NO	0.696	5.000	38.78	38.78	0.989	0.989	NO	1739	87.0	1.82	
189	1... 13C-PCB-123	2.88e5	1.58	NO	0.933	5.000	41.42	41.42	1.056	1.056	NO	1827	91.4	1.36	
190	1... 13C-PCB-118	2.91e5	1.59	NO	0.986	5.000	41.61	41.61	1.061	1.061	NO	1745	87.2	1.29	
191	1... 13C-PCB-114	4.54e5	1.59	NO	1.55	5.000	42.29	42.28	0.908	0.908	NO	1890	94.5	1.57	
192	1... 13C-PCB-105	4.63e5	1.55	NO	1.57	5.000	43.17	43.18	0.927	0.927	NO	1893	94.7	1.54	
193	1... 13C-PCB-127	4.80e5	1.58	NO	1.62	5.000	43.53	43.54	0.934	0.935	NO	1902	95.1	1.49	
194	1... 13C-PCB-126	4.95e5	1.54	NO	1.57	5.000	45.49	45.49	0.976	0.976	NO	2032	102	1.55	
195	1... 13C-PCB-155	1.73e5	1.26	NO	0.615	5.000	36.96	36.96	0.942	0.942	NO	1670	83.5	1.00	
196	1... 13C-PCB-153	3.80e5	1.28	NO	1.36	5.000	43.34	43.35	0.930	0.930	NO	1789	89.5	2.20	
197	1... 13C-PCB-141	3.04e5	1.28	NO	1.13	5.000	44.11	44.10	0.947	0.947	NO	1737	86.8	2.66	
198	1... 13C-PCB-138	3.21e5	1.25	NO	1.18	5.000	44.97	44.98	0.965	0.965	NO	1741	87.1	2.53	
199	1... 13C-PCB-159	3.96e5	1.26	NO	1.44	5.000	46.30	46.30	0.994	0.994	NO	1769	88.5	2.08	
200	2... 13C-PCB-167	3.98e5	1.27	NO	1.44	5.000	47.01	47.00	1.009	1.009	NO	1778	88.9	2.08	
201	2... 13C-PCB-156	3.94e5	1.30	NO	1.40	5.000	48.32	48.33	1.037	1.037	NO	1817	90.8	2.15	
202	2... 13C-PCB-157	4.02e5	1.34	NO	1.40	5.000	48.61	48.61	1.043	1.044	NO	1850	92.5	2.15	
203	2... 13C-PCB-169	3.74e5	1.27	NO	1.33	5.000	50.89	50.89	1.092	1.092	NO	1806	90.3	2.25	
204	2... 13C-PCB-188	2.70e5	0.44	NO	1.41	5.000	42.96	42.97	0.926	0.926	NO	1724	86.2	1.97	
205	2... 13C-PCB-180	1.86e5	0.44	NO	0.929	5.000	49.65	49.67	1.070	1.071	NO	1807	90.3	2.98	
206	2... 13C-PCB-170	1.66e5	0.46	NO	0.794	5.000	51.32	51.34	1.106	1.107	NO	1885	94.2	3.49	
207	2... 13C-PCB-189	2.30e5	0.48	NO	1.04	5.000	53.07	53.06	1.144	1.144	NO	1981	99.0	2.65	
208	2... 13C-PCB-202	2.03e5	0.92	NO	1.04	5.000	48.55	48.56	1.046	1.047	NO	1766	88.3	2.12	
209	2... 13C-PCB-194	2.67e5	0.90	NO	0.768	5.000	54.71	54.69	0.995	0.995	NO	1694	84.7	3.48	
210	2... 13C-PCB-208	3.37e5	0.76	NO	0.991	5.000	53.93	53.91	0.981	0.981	NO	1659	83.0	3.45	
211	2... 13C-PCB-206	2.35e5	0.80	NO	0.552	5.000	56.22	56.22	1.023	1.023	NO	2074	104	6.20	
212	2... 13C-PCB-209	2.15e5	1.23	NO	0.396	5.000	57.48	57.47	1.046	1.046	NO	2647	132	0.498	

Dataset: U:\VG11.PRO\Results\200613K2\200613K2-12.qld

Last Altered: Sunday, June 14, 2020 15:11:14 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 15:11:29 Pacific Daylight Time

Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

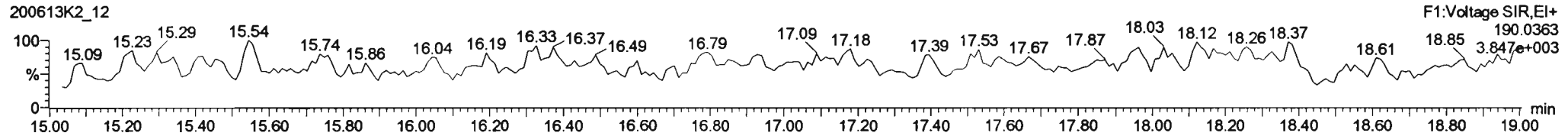
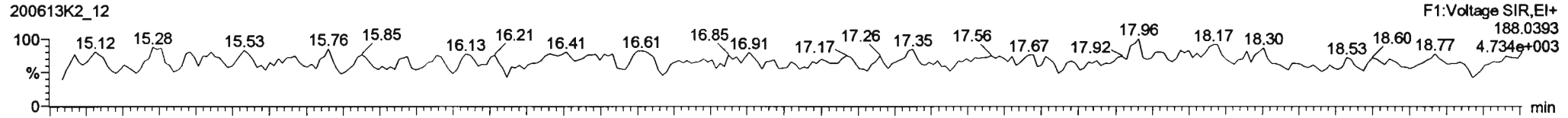
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213	2... 13C-PCB-15	1.10e6	1.60	NO	1.00	5.000	25.51	25.50	1.000	0.000	NO	2000	100	0.701	
214	2... 13C-PCB-31	8.89e5	1.08	NO	1.00	5.000	28.64	28.64	1.000	0.000	NO	2000	100	10.7	
215	2... 13C-PCB-60	5.96e5	0.81	NO	1.00	5.000	36.66	36.66	1.000	0.000	NO	2000	100	3.00	
216	2... 13C-PCB-111	3.38e5	1.63	NO	1.00	5.000	39.23	39.23	1.000	0.000	NO	2000	100	1.27	
217	2... 13C-PCB-128	3.11e5	1.27	NO	1.00	5.000	46.59	46.59	1.000	0.000	NO	2000	100	3.00	
218	2... 13C-PCB-182	2.22e5	0.47	NO	1.00	5.000	46.40	46.40	0.000	0.000	NO	2000	100	2.77	
219	2... 13C-PCB-205	4.10e5	0.88	NO	1.00	5.000	54.97	54.97	1.000	0.000	NO	2000	100	2.67	
220	2... 13C-PCB-79	5.90e5	0.79	NO	1.07	5.000	37.76	37.76	1.030	1.030	NO	1852	92.6	2.80	
221	2... 13C-PCB-178	2.12e5	0.46	NO	0.766	5.000	45.84	45.85	0.988	0.988	NO	1780	89.0	2.47	
222	2... 13C-PCB-79	5.90e5	0.79	NO	1.08	5.000	37.76	37.76	0.968	0.968	NO	2206	110	3.32	
223	2... 13C-PCB-178	2.12e5	0.46	NO	1.05	5.000	45.85	45.85	0.923	0.923	NO	2168	108	3.07	
224	2... Total Mono-PCBs				1.17	5.000	0.00		0.000		NO			1.45	0.497
225	2... Total Di-PCBs				1.05	5.000	0.00		0.000		NO			2.18	3.38
226	2... 2nd Function Tri-PCBs				1.08	5.000	0.00		0.000		NO			6.46	
227	2... 3rd Function Tri-PCBs				0.983	5.000	0.00		0.000		NO			18.2	1.22
228	2... Total Tetra-PCBs				1.08	5.000	0.00		0.000		NO			18.7	1.09
229	2... 3rd Function Penta-PCBs				1.32	5.000	0.00		0.000		NO			27.3	
230	2... 4th Function Penta-PCBs				1.07	5.000	0.00		0.000		NO			3.64	1.27
231	2... 3rd Function Hexa-PCBs				0.951	5.000	0.00		0.000		NO			9.84	
232	2... 4th Function Hexa-PCBs				1.03	5.000	0.00		0.000		NO			17.5	0.894
233	2... Total Hepta-PCBs				1.36	5.000	0.00		0.000		NO			18.7	0.713
234	2... 4th Function Octa-PCBs				1.00	5.000	0.00		0.000		NO			3.27	
235	2... 5th Function Octa-PCBs				1.15	5.000	0.00		0.000		NO			1.86	0.580
236	2... Total Nona-PCBs				0.952	5.000	0.00		0.000		NO	0.0000		0.691	0.2824
237	2... Deca-CB				0.986	5.000	0.00		0.000		NO			0.119	
238	2... Total PCBs														

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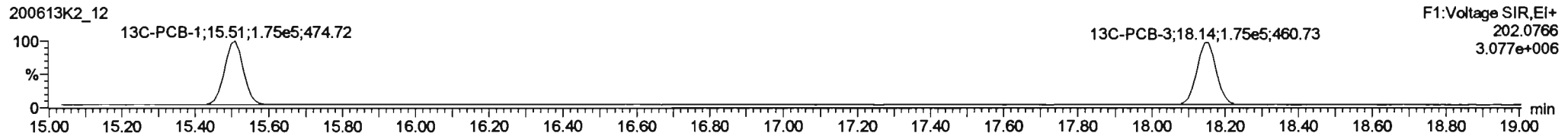
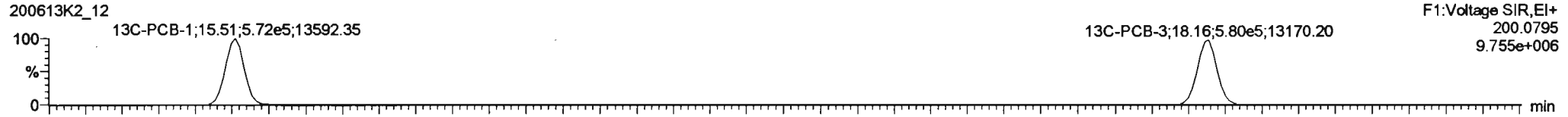
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Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

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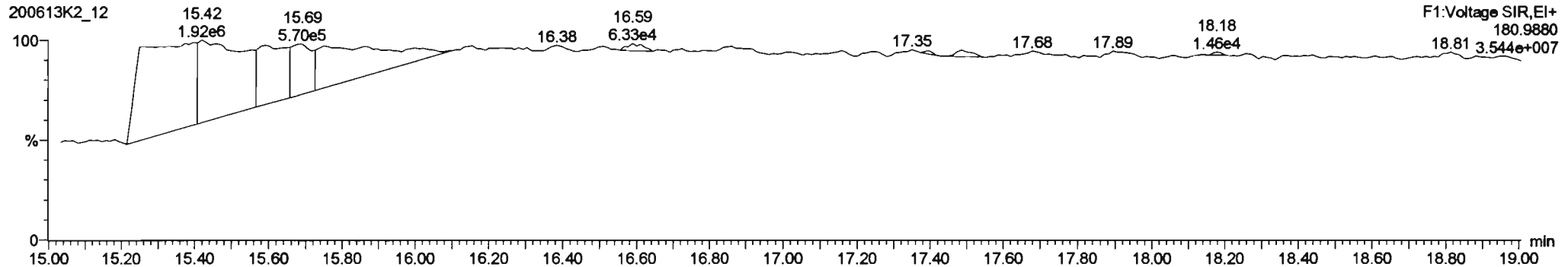
**PCB-1**



**13C-PCB-1**



**PFK1**



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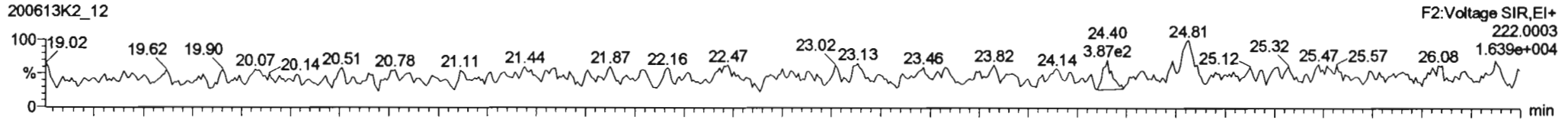
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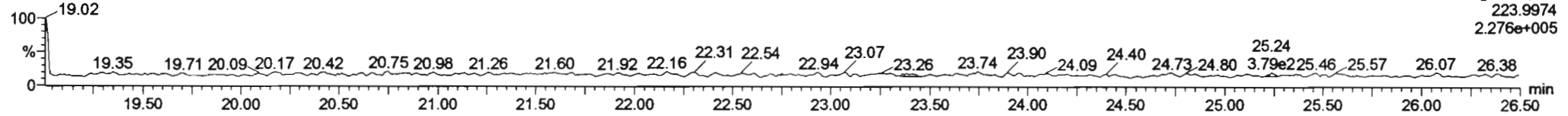
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**PCB-4/10**

200613K2\_12

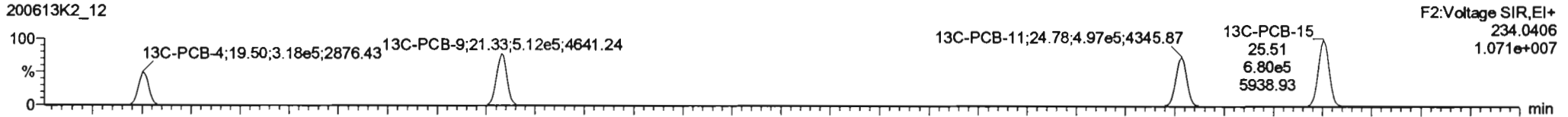


200613K2\_12

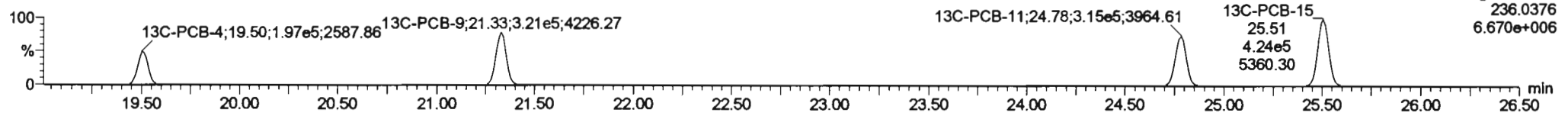


**13C-PCB-4**

200613K2\_12

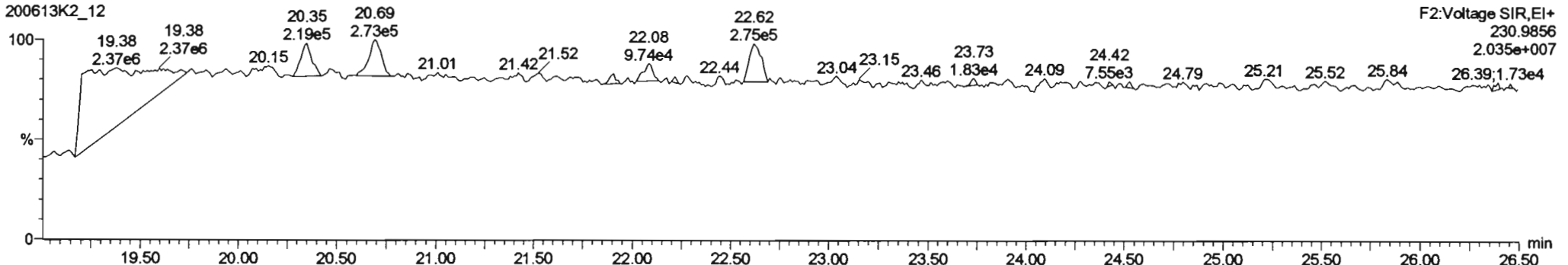


200613K2\_12



**PFK2a**

200613K2\_12



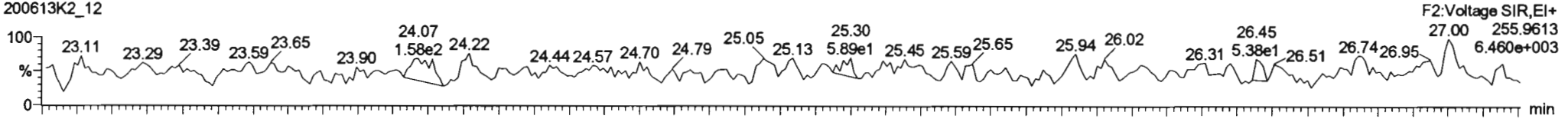
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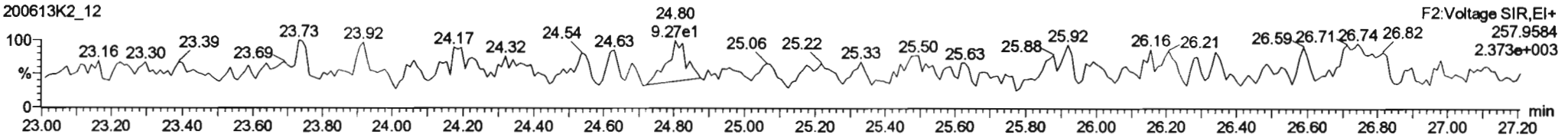
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**PCB-19**

200613K2\_12

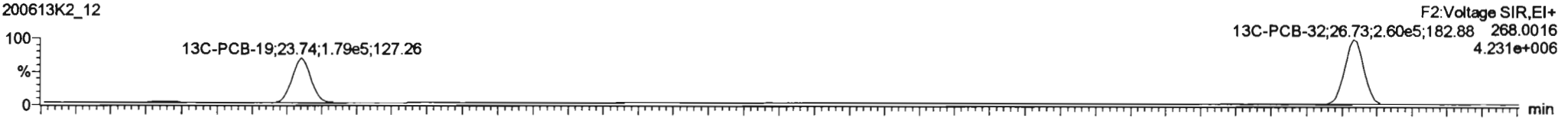


200613K2\_12

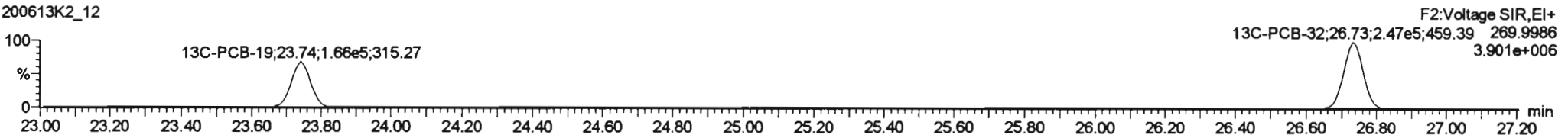


**13C-PCB-19**

200613K2\_12

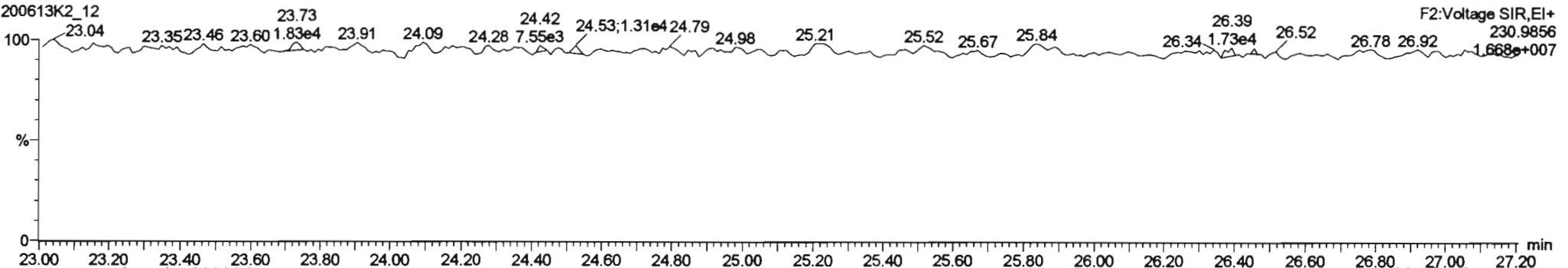


200613K2\_12



**PFK2b**

200613K2\_12



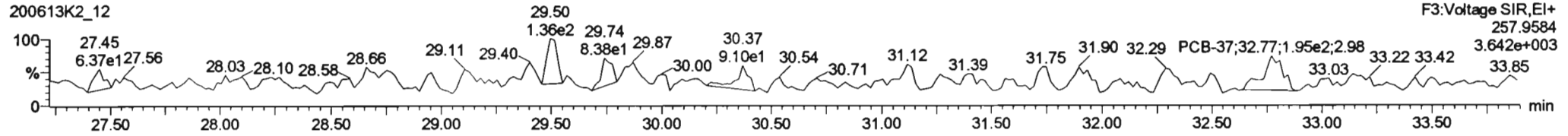
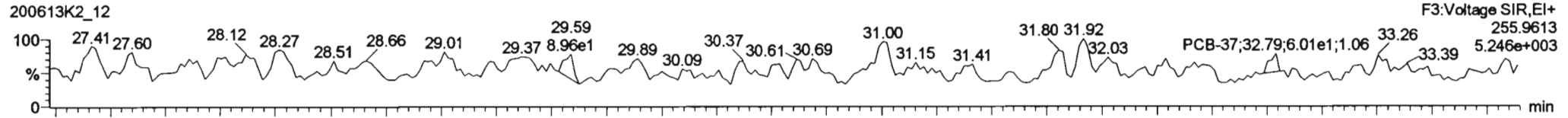
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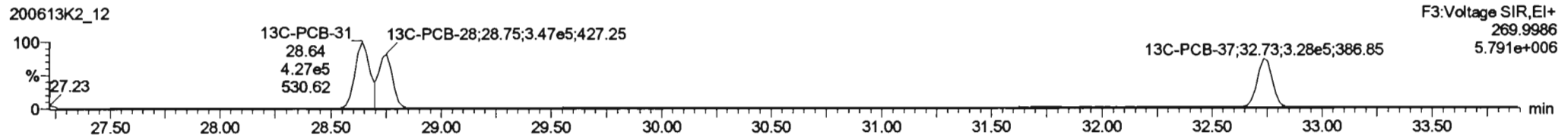
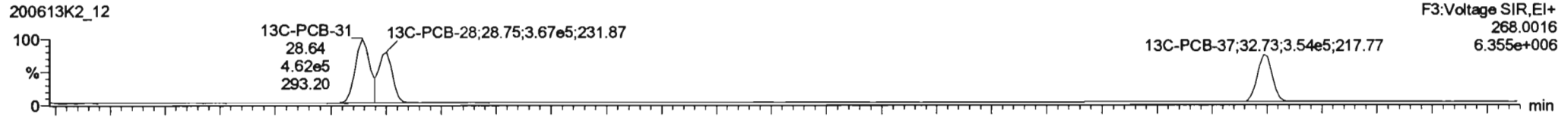
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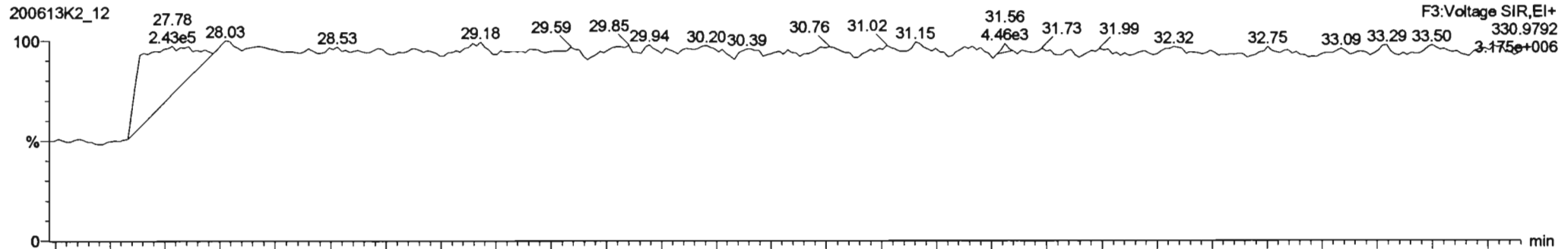
**PCB-34**



**13C-PCB-28**



**PFK3d**



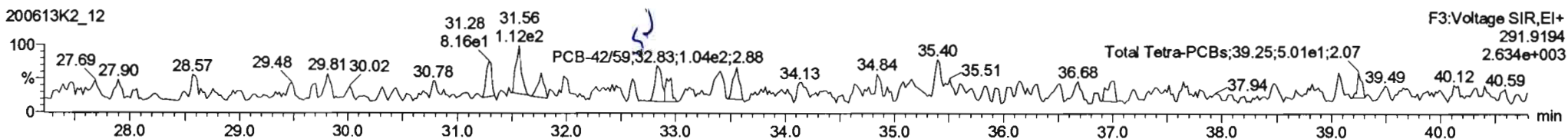
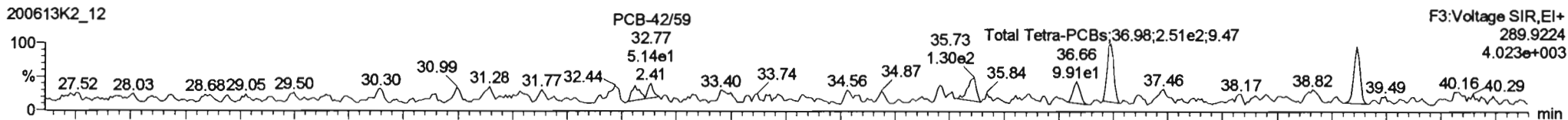


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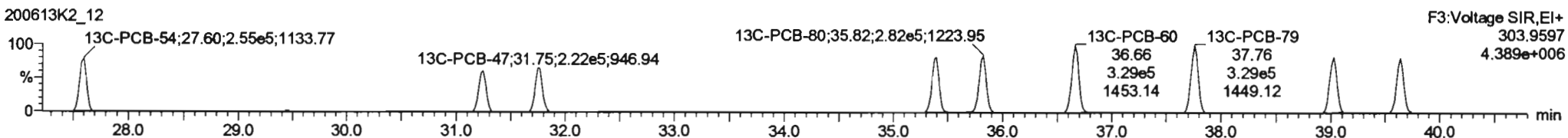
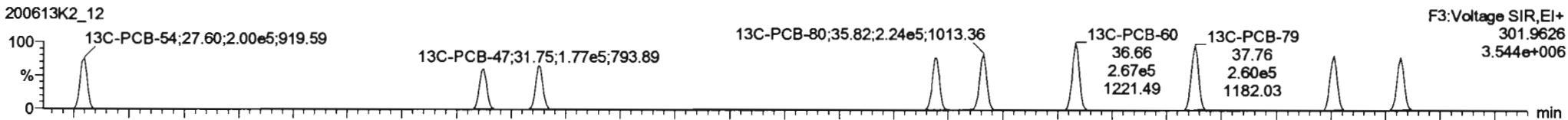
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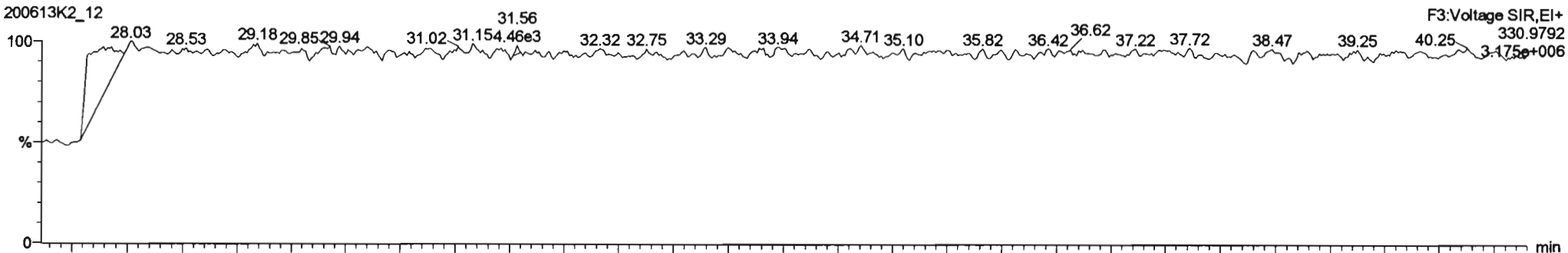
**PCB-54**



**13C-PCB-54**



**PFK3a**



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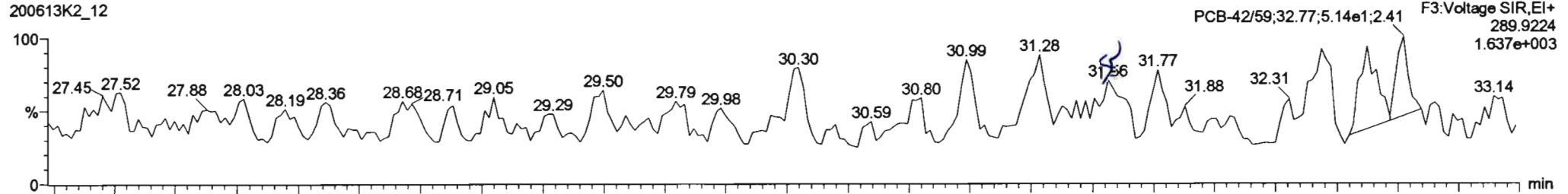
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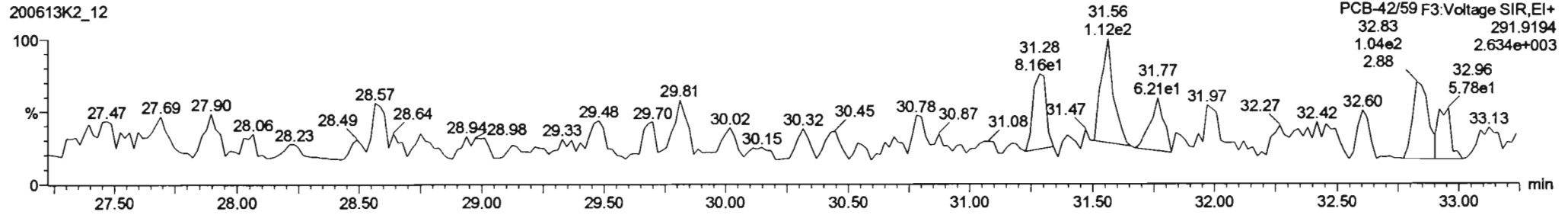
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PCB-50

200613K2\_12

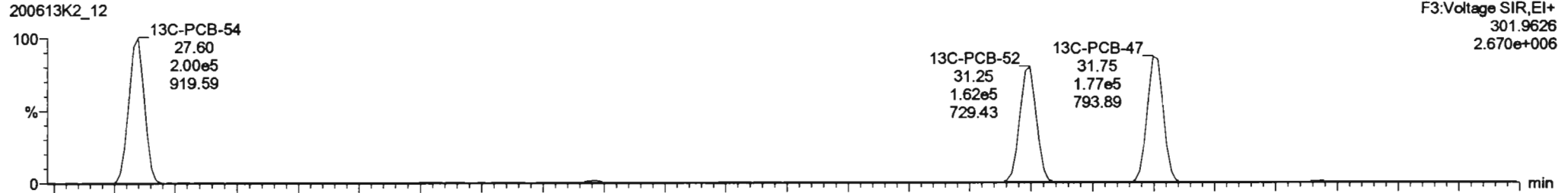


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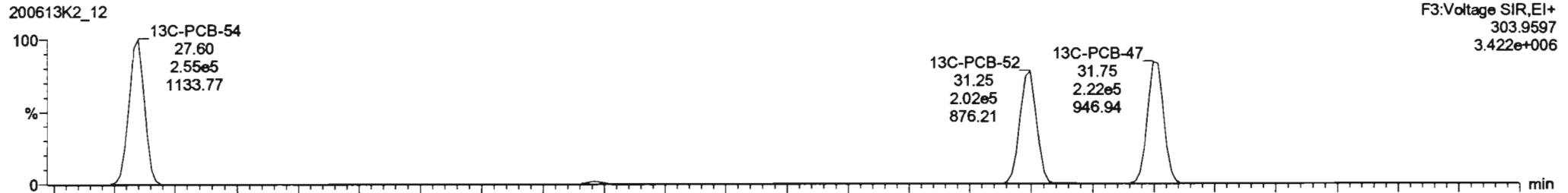


13C-PCB-52

200613K2\_12



200613K2\_12



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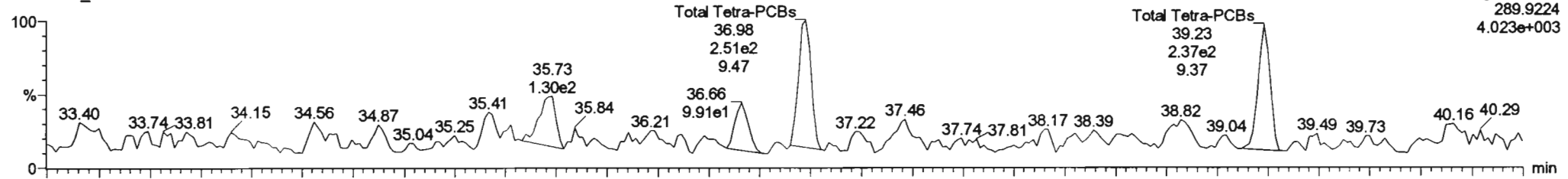
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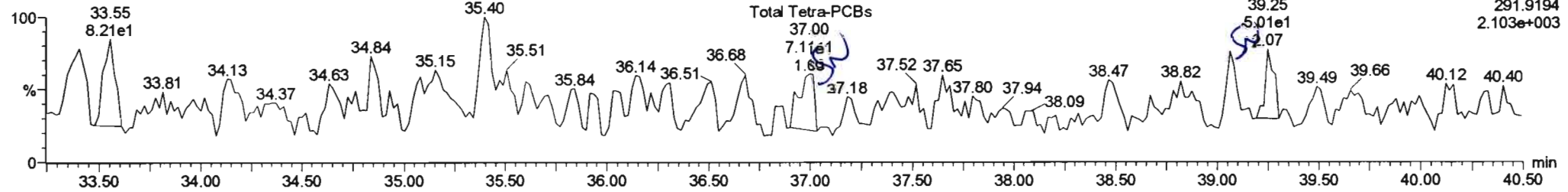
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PCB-68

200613K2\_12

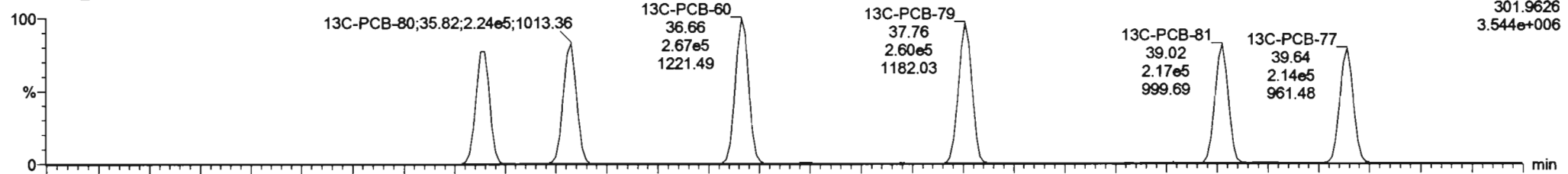


200613K2\_12

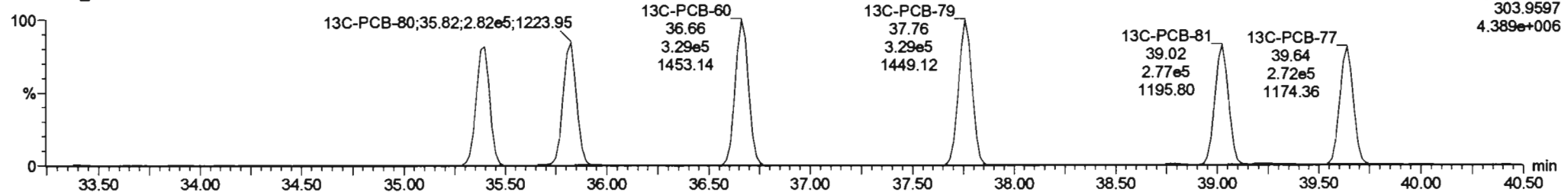


13C-PCB-60

200613K2\_12



200613K2\_12



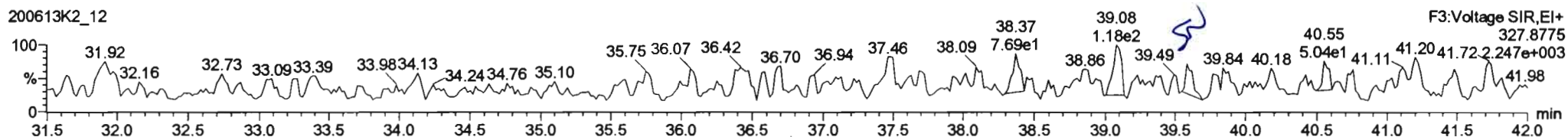
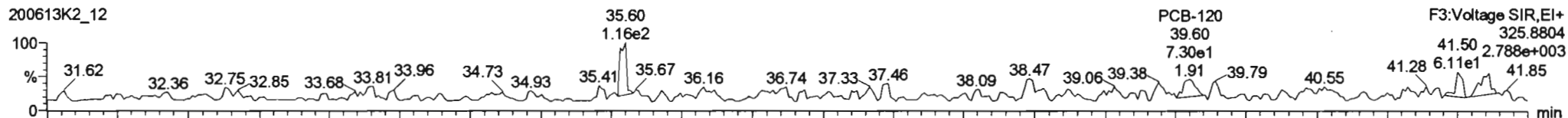
Dataset: Untitled

Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time

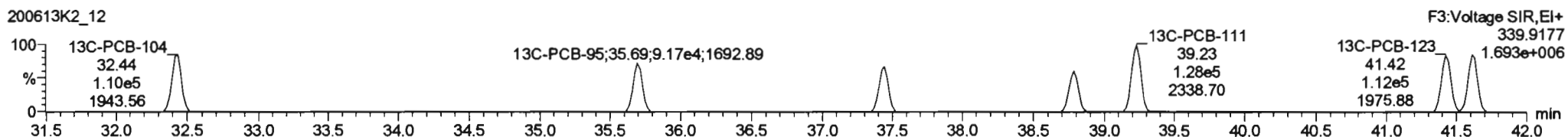
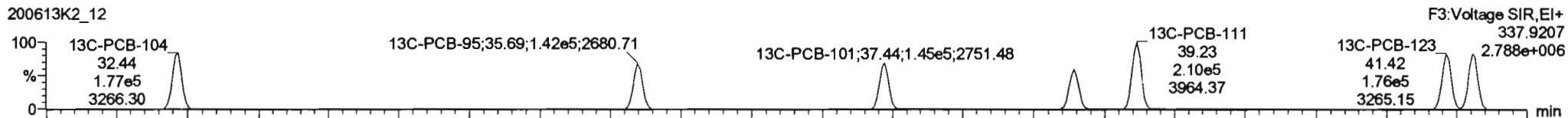
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

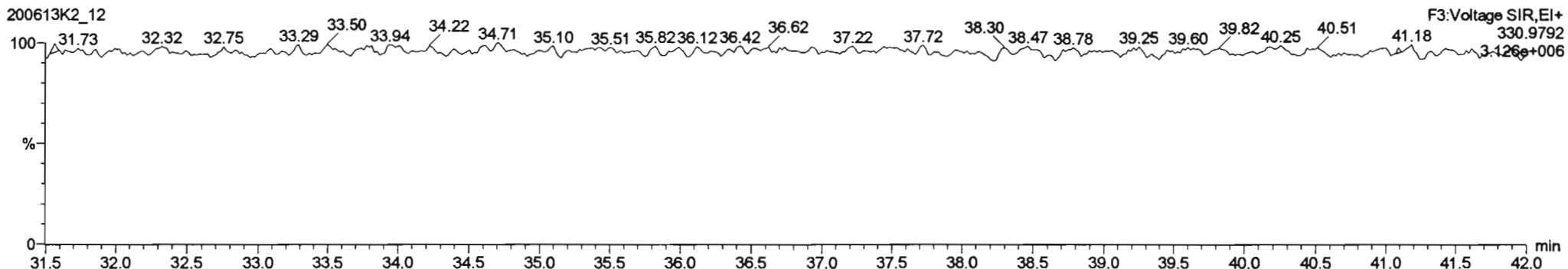
### PCB-104



### 13C-PCB-104



### PFK3b



Dataset: Untitled

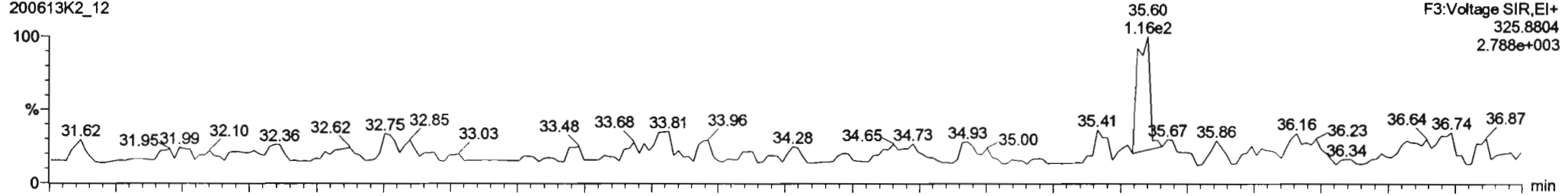
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time

Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

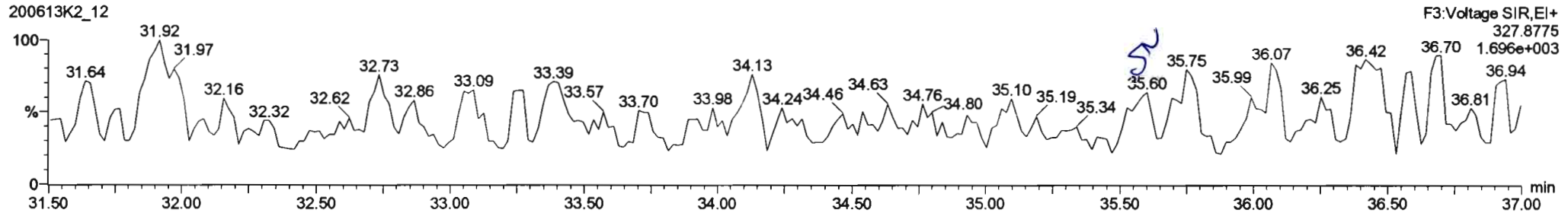
Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

**PCB-96**

200613K2\_12

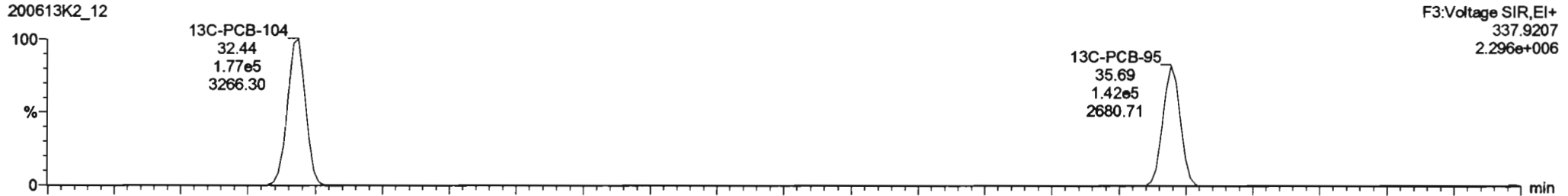


200613K2\_12

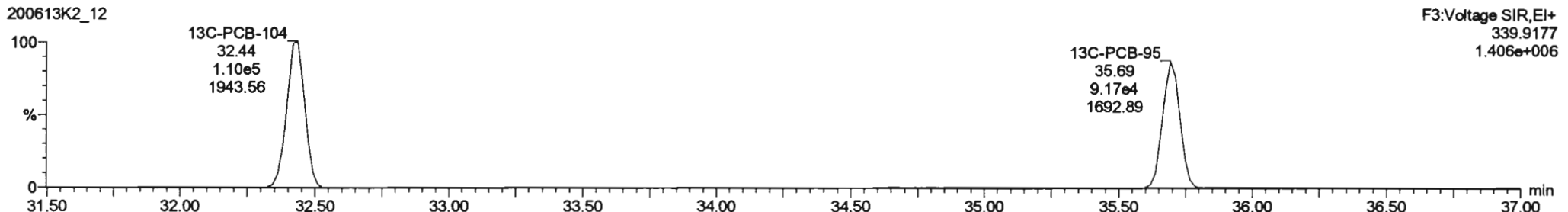


**13C-PCB-95**

200613K2\_12



200613K2\_12



Dataset: Untitled

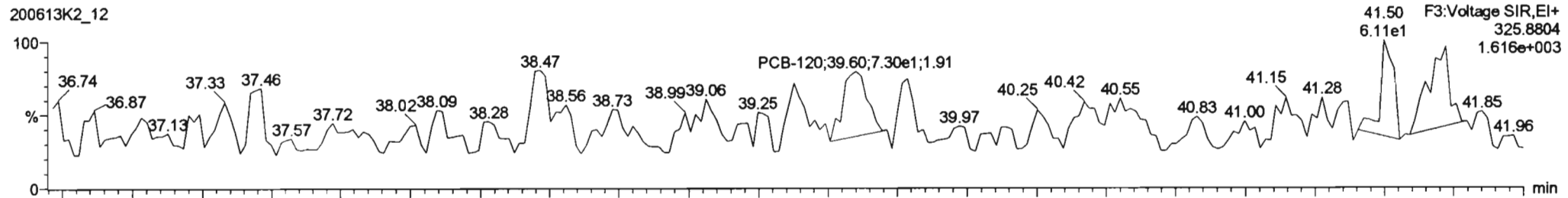
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time

Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

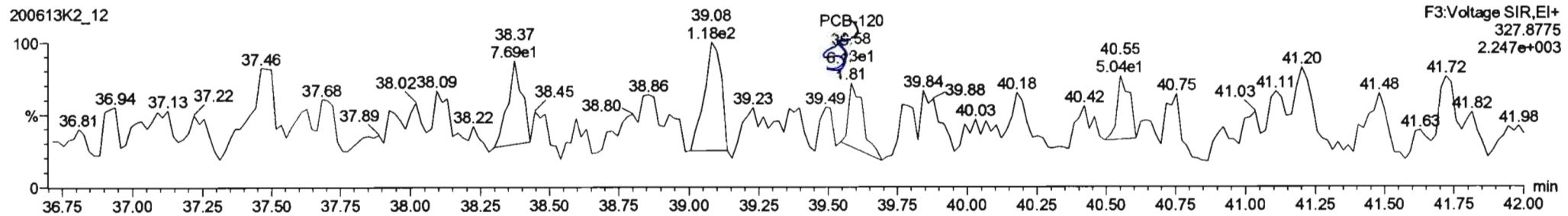
Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

**PCB-119**

200613K2\_12

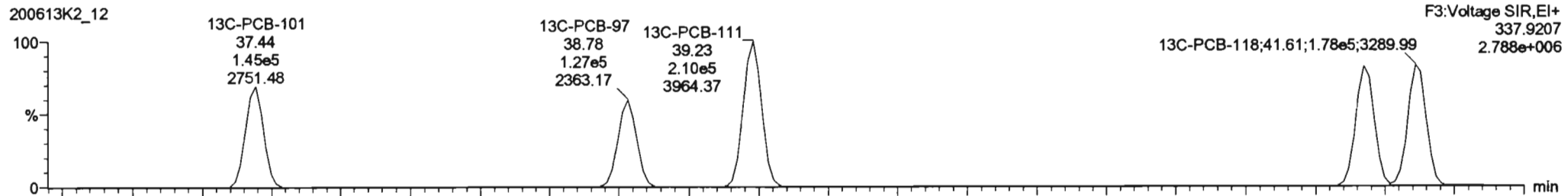


200613K2\_12

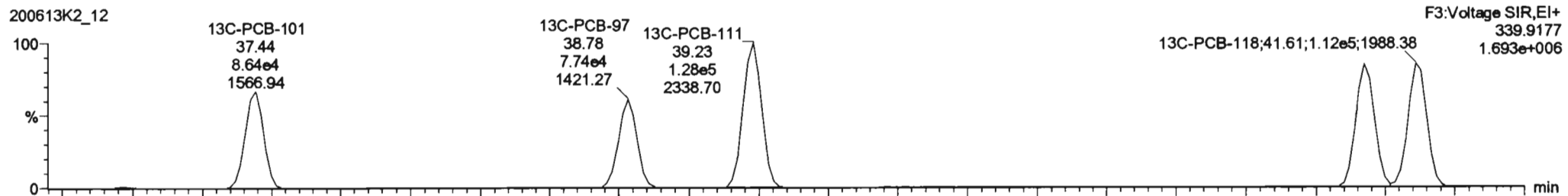


**13C-PCB-111**

200613K2\_12



200613K2\_12

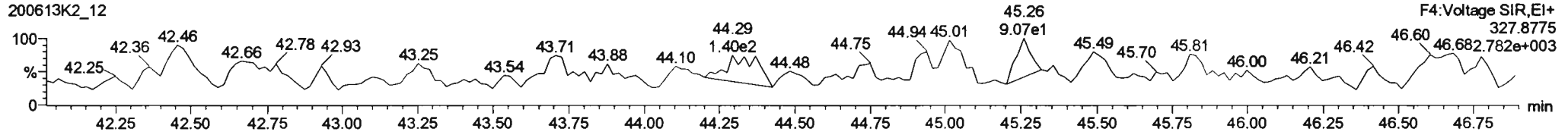
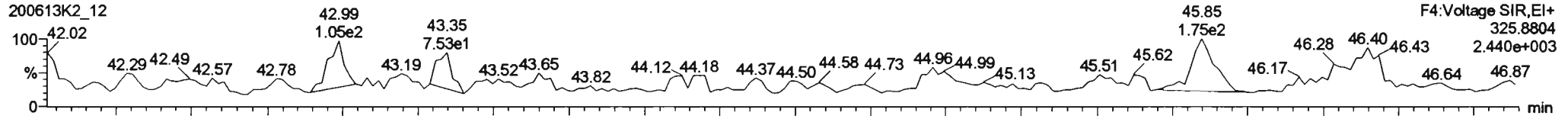


Dataset: Untitled

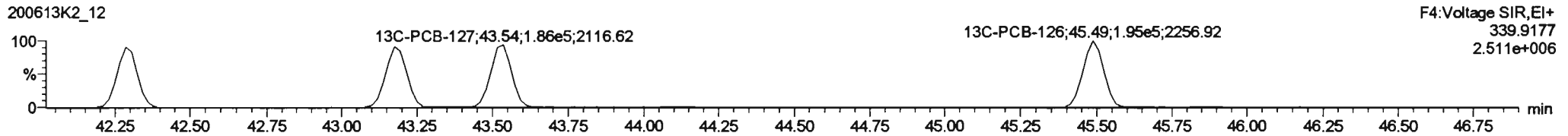
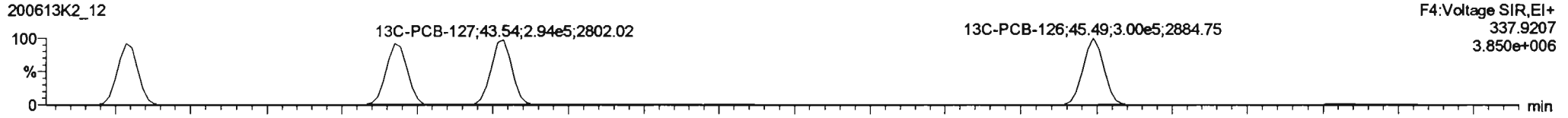
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

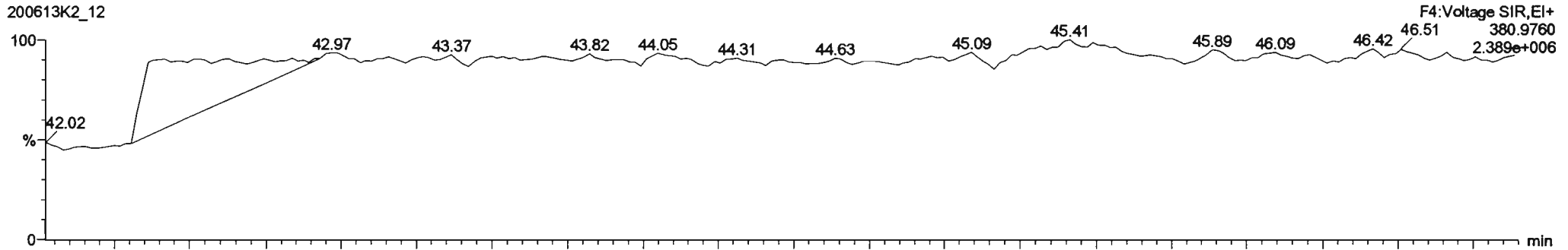
**PCB-114**



**13C-PCB-114**



**PFK4a**



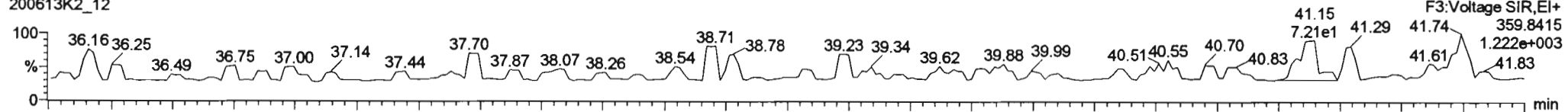
Dataset: Untitled

Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

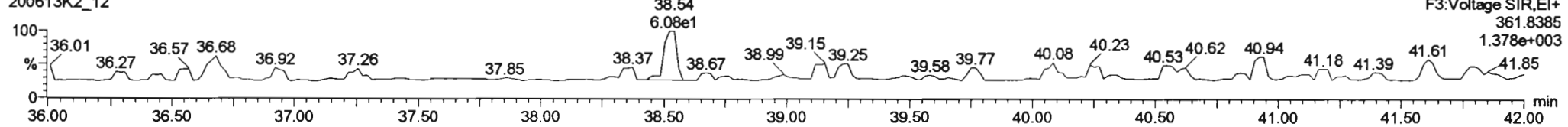
Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

**PCB-155**

200613K2\_12

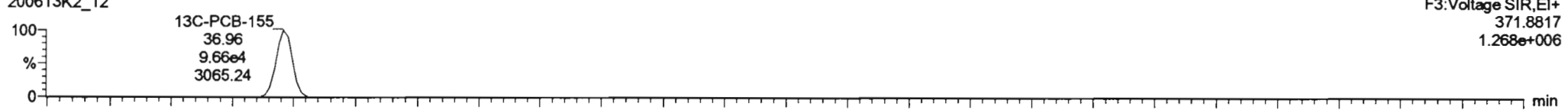


200613K2\_12

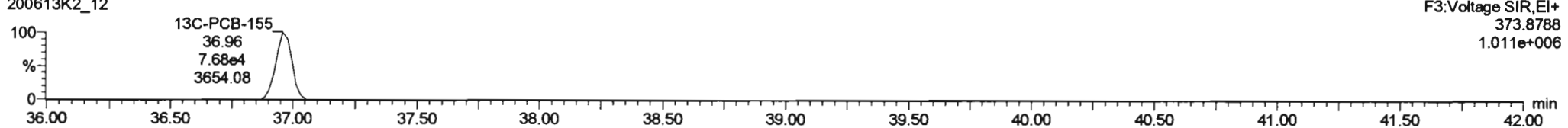


**13C-PCB-155**

200613K2\_12

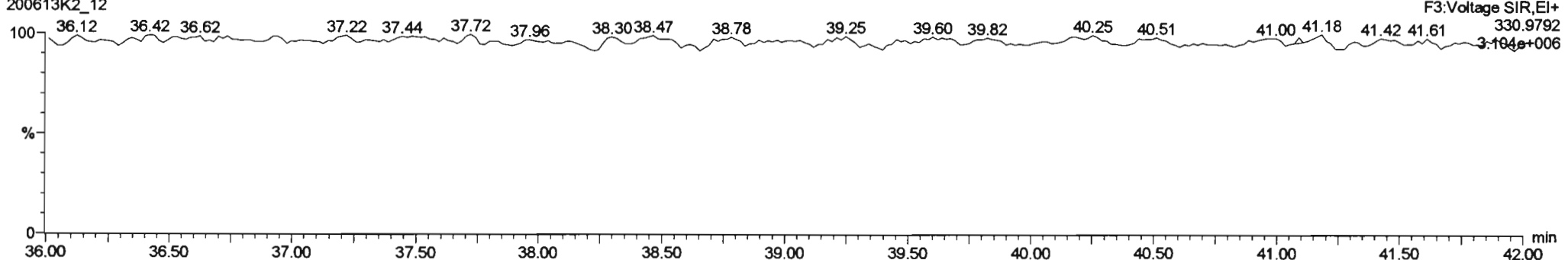


200613K2\_12



**PFK3c**

200613K2\_12





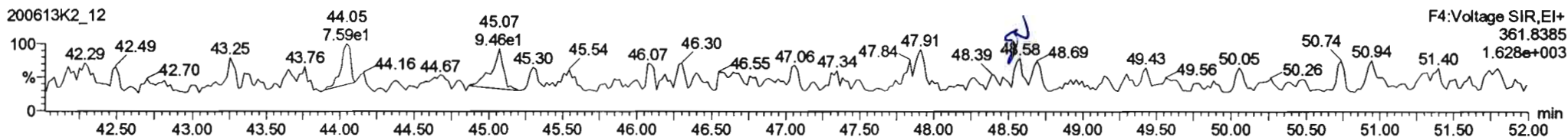
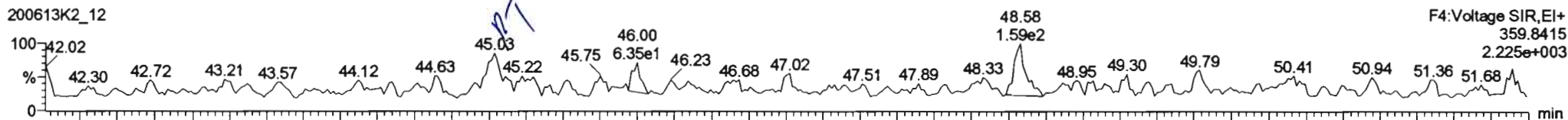
Dataset: Untitled

Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time

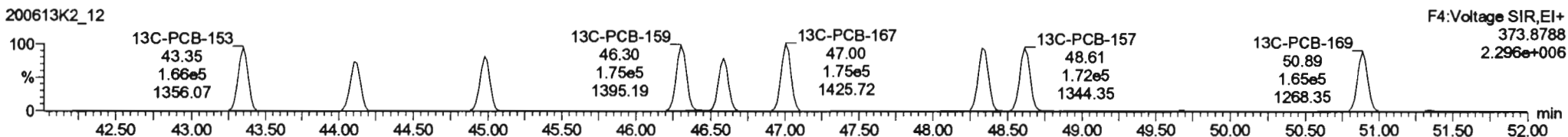
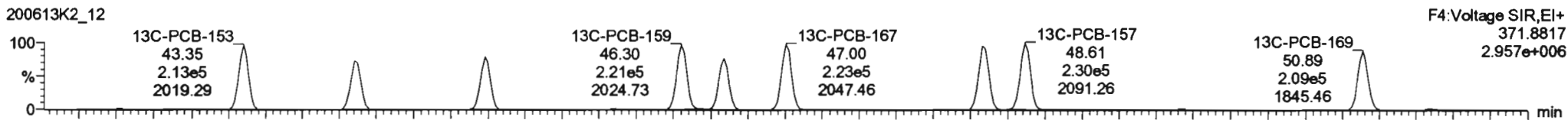
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

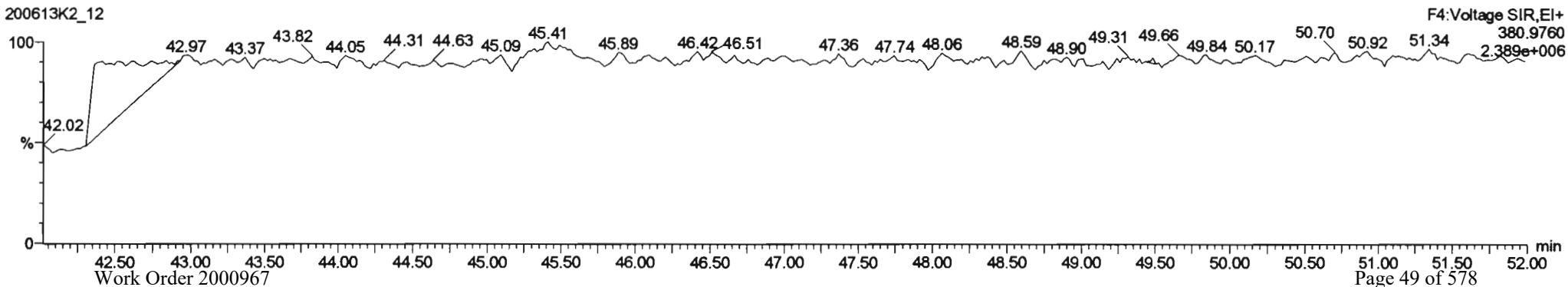
**PCB-134/143**



**13C-PCB-153**



**PFK4b**

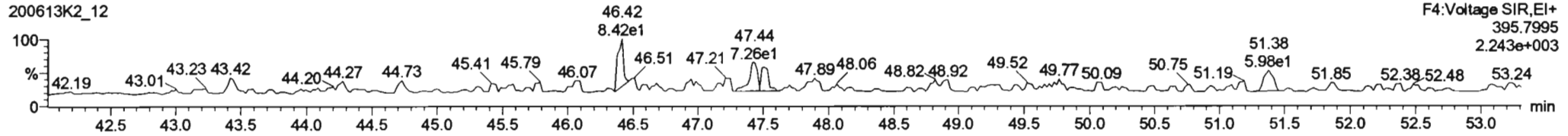
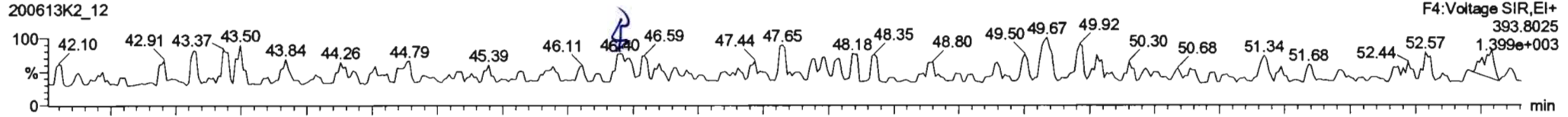


Dataset: Untitled

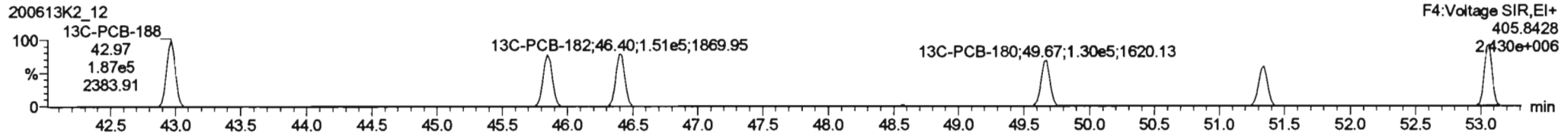
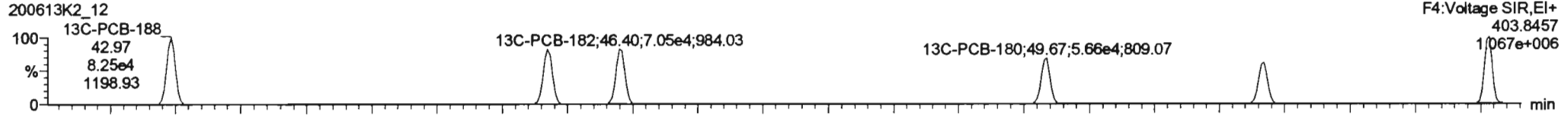
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

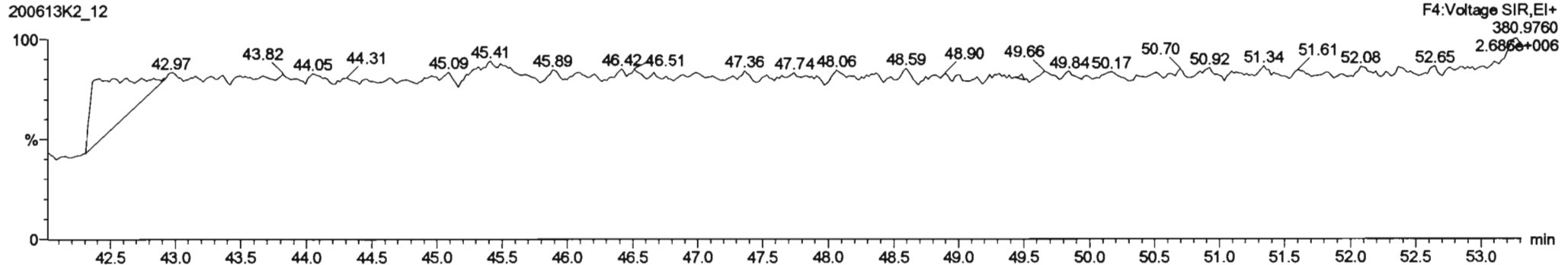
**PCB-188**



**13C-PCB-188**



**PFK4c**



Dataset: Untitled

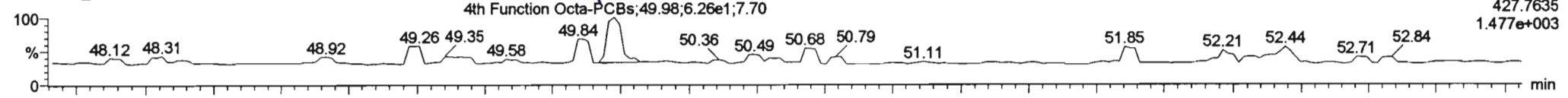
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time

Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

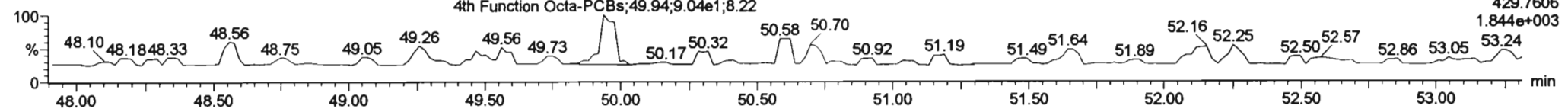
Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

**PCB-202**

200613K2\_12

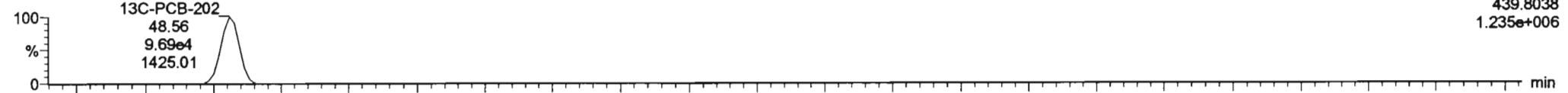


200613K2\_12

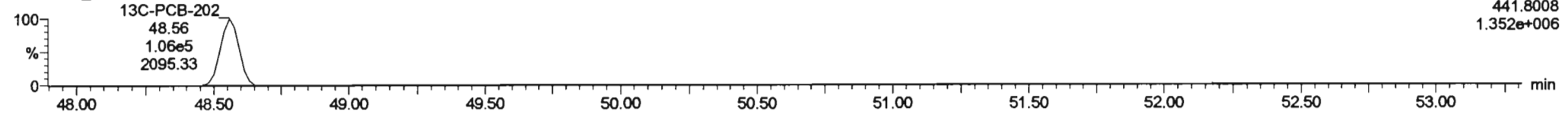


**13C-PCB-202**

200613K2\_12

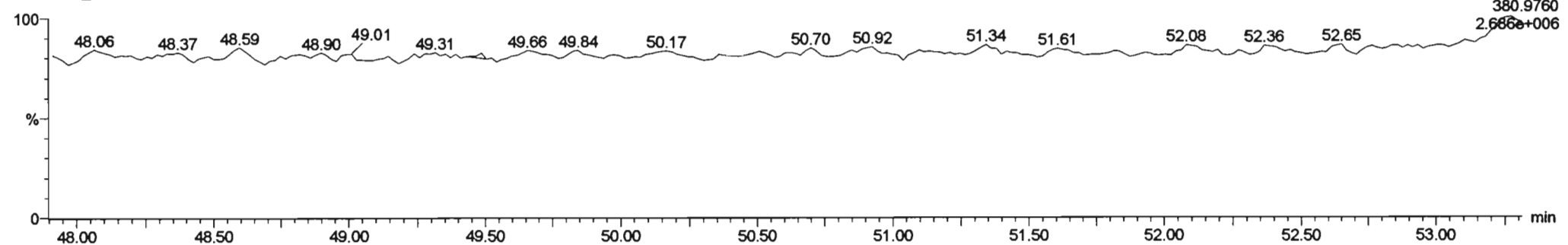


200613K2\_12



**PFK4d**

200613K2\_12

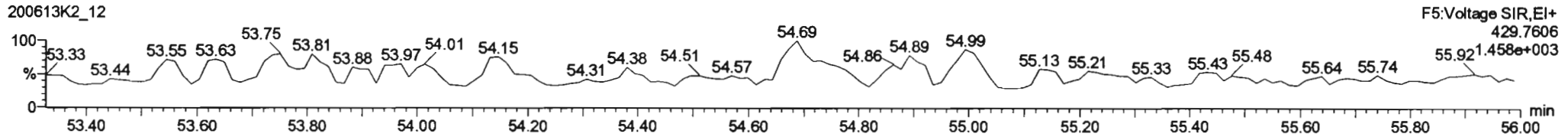
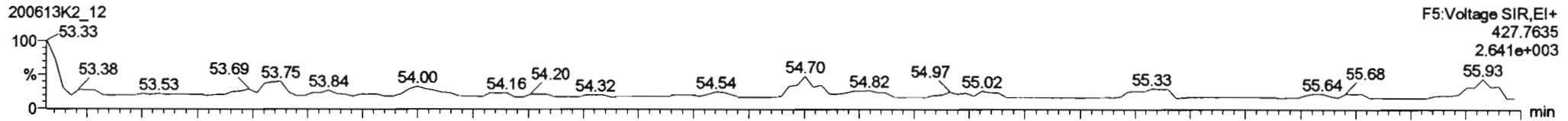


Dataset: Untitled

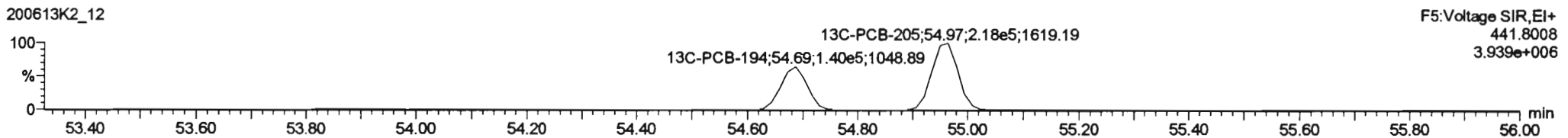
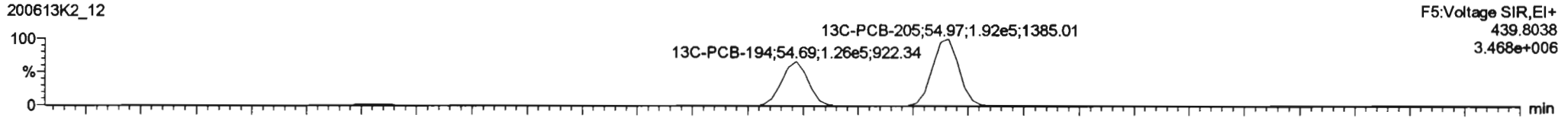
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

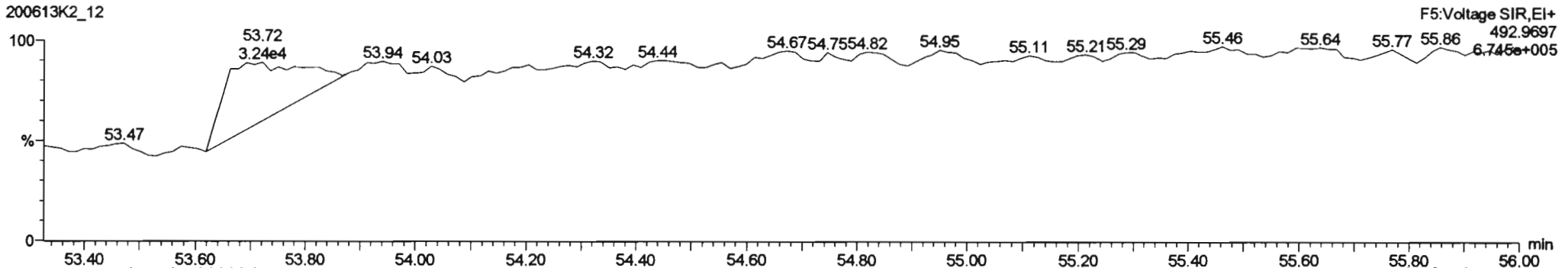
**PCB-195**



**13C-PCB-194**



**PFK5a**



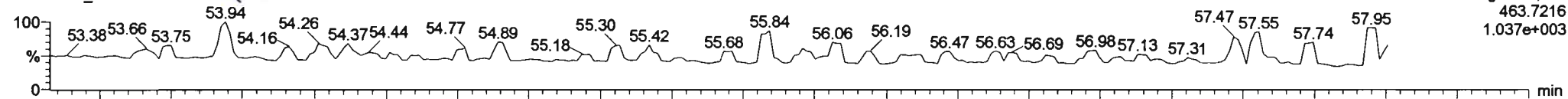
Dataset: Untitled

Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

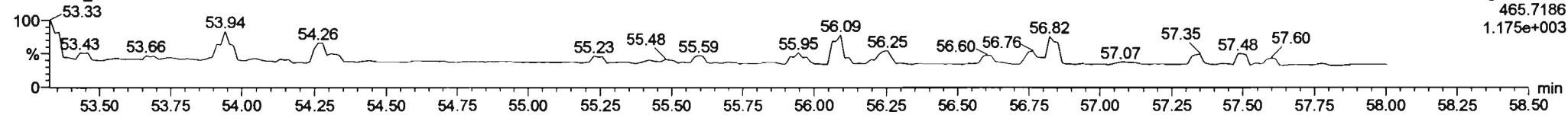
Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

**PCB-208**

200613K2\_12

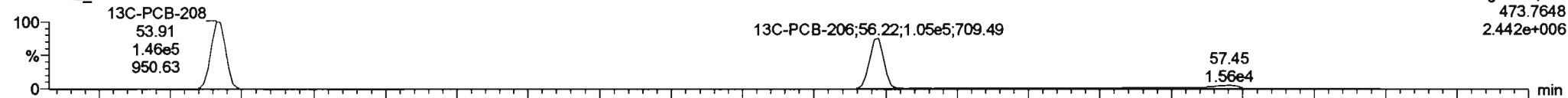


200613K2\_12

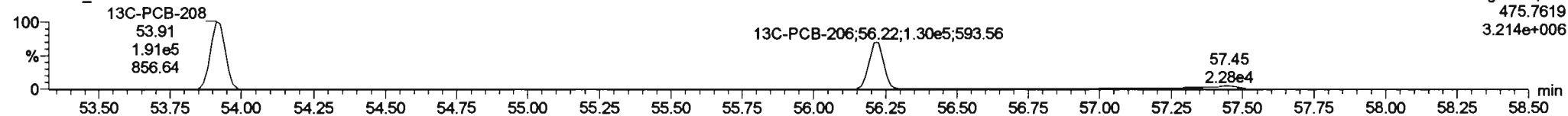


**13C-PCB-208**

200613K2\_12

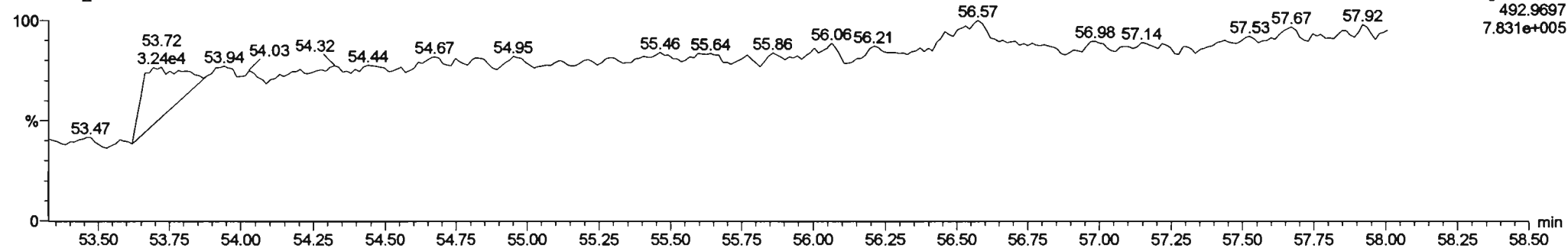


200613K2\_12



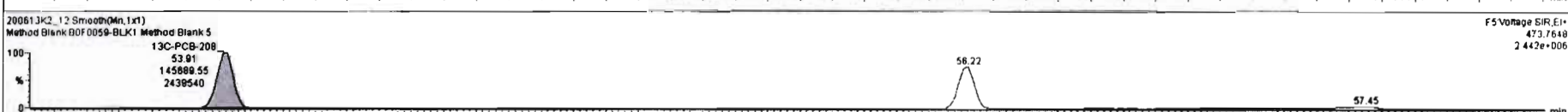
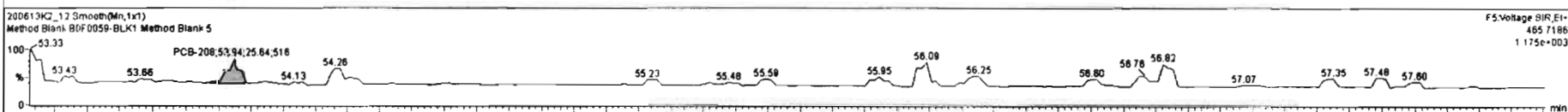
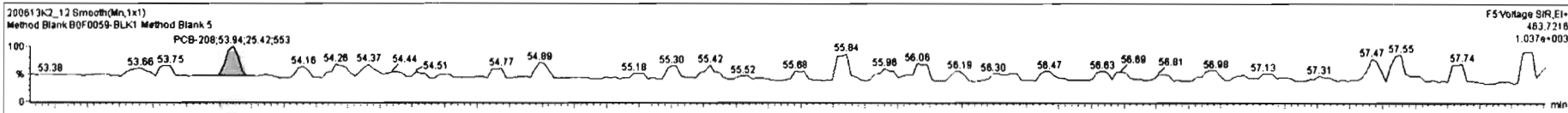
**PFK5**

200613K2\_12



#	Name	Resp	RA	nlj	RFI	Initial	Pred.RT	RT	Pred.RT	RRT	RRT Fail	Conc.	%Rec	DL	ElPC
234	4th Function Octa-PCBs				1.0008	5.000	0.00	0.000	0.000		NO			3.77	
235	5th Function Octa-PCBs				1.1489	5.000	0.00	0.000	0.000		NO			1.28	
236	6th Function Octa-PCBs				0.8523	5.000	0.00	0.000	0.000		NO	0.0000		0.051	0.2824
237	Deca-Cl				0.8864	5.000	0.00	0.000	0.000		NO			0.119	
238	Total PCBs														
239	Total Mono-isotopes														
240	Total Di-isotopes														
241	2nd Function Tri-isotopes														
242	3rd Function Tri-isotopes														
243	Tetra-isotopes				0.8678	5.000	0.00	1.000			NO	15140		28.1	0.0000

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nlj	ElPC	Conc.
1	185 PCB-208	53.93	53.94	2.542e1	2.584e1	1.340	0.89	YES	0.28238	0.00000



Dataset: Untitled

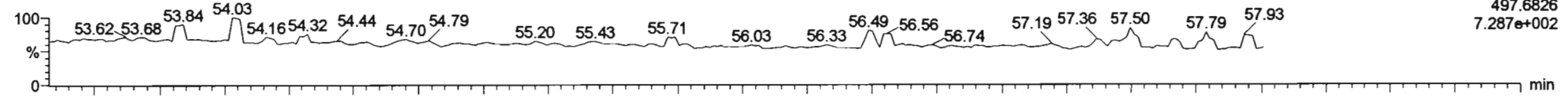
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time

Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

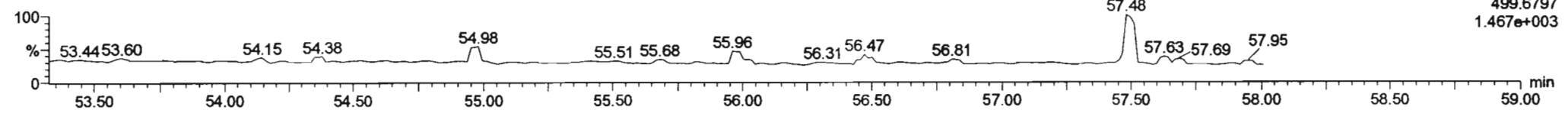
Name: 200613K2\_12, Date: 14-Jun-2020, Time: 01:56:17, ID: B0F0059-BLK1 Method Blank 5, Description: Method Blank

**PCB-209**

200613K2\_12

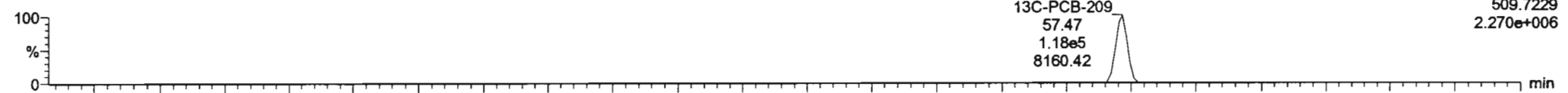


200613K2\_12

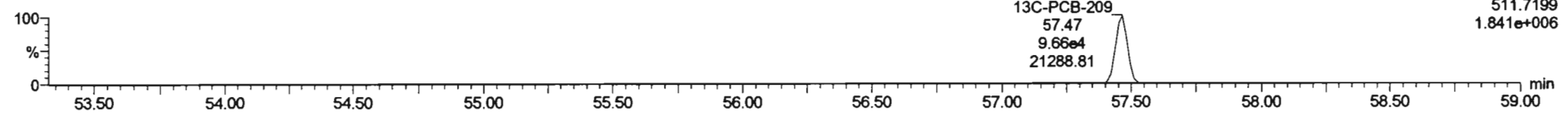


**13C-PCB-209**

200613K2\_12

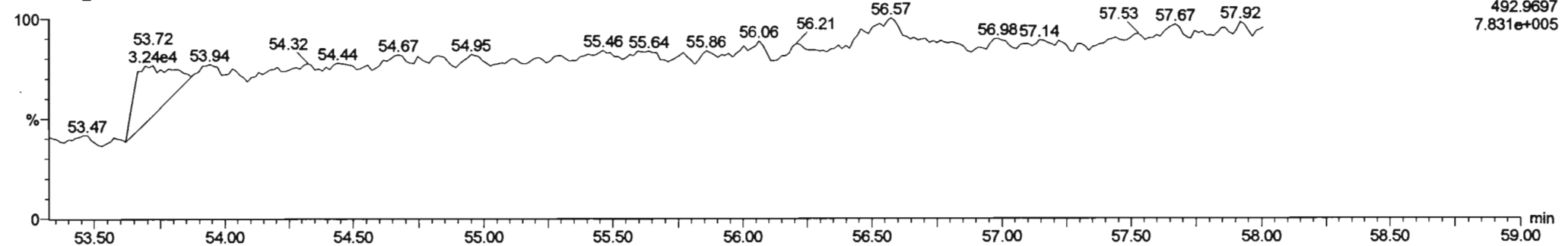


200613K2\_12



**PFK5b**

200613K2\_12



Dataset: U:\VG11.PRO\Results\200613K2\200613K2-8.qld

Last Altered: Sunday, June 14, 2020 15:09:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 15:09:25 Pacific Daylight Time

*H 6-14-2020*

*CT 06/23/2020*

Method: Untitled 14 Jun 2020 13:31:38

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

#	Name	Resp	RA	n/y	RRP	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DI	EMPC
1	1 PCB-1	6.79e5	3.17	NO	1.17	5.000	15.53	15.54	1.001	1.001	NO	1288		0.441	1288
2	2 PCB-2	6.60e5	3.23	NO	1.18	5.000	17.94	17.94	0.988	0.988	NO	1217		0.448	1217
3	3 PCB-3	6.68e5	3.19	NO	1.15	5.000	18.17	18.18	1.001	1.001	NO	1269		0.461	1269
4	4 PCB-4/10	9.62e5	1.60	NO	1.25	5.000	19.59	19.59	1.004	1.004	NO	2464		2.69	2464
5	5 PCB-7/9	1.18e6	1.56	NO	0.960	5.000	21.40	21.37	1.003	1.001	NO	2427		2.23	2427
6	6 PCB-6	6.53e5	1.55	NO	1.02	5.000	22.05	22.05	1.033	1.033	NO	1264		2.09	1264
7	7 PCB-5/8	1.21e6	1.57	NO	0.992	5.000	22.45	22.45	1.052	1.052	NO	2407		2.16	2407
8	8 PCB-14	6.13e5	1.59	NO	1.02	5.000	23.58	23.59	0.952	0.952	NO	1242		2.26	1242
9	9 PCB-11	6.59e5	1.56	NO	1.13	5.000	24.80	24.80	1.001	1.001	NO	1207		2.05	1207
10	10 PCB-12/13	1.28e6	1.59	NO	1.03	5.000	25.23	25.24	1.018	1.018	NO	2568		2.24	2568
11	11 PCB-15	6.13e5	1.59	NO	1.03	5.000	25.54	25.53	1.031	1.030	NO	1222		2.23	1222
12	12 PCB-19	2.70e5	1.03	NO	1.11	5.000	23.78	23.77	1.001	1.001	NO	1183		1.12	1183
13	13 PCB-30	4.42e5	1.04	NO	1.79	5.000	24.68	24.68	1.039	1.039	NO	1192		0.693	1192
14	14 PCB-18	2.88e5	1.03	NO	0.818	5.000	25.44	25.45	0.952	0.952	NO	1139		1.06	1139
15	15 PCB-17	2.71e5	1.04	NO	0.758	5.000	25.62	25.63	0.958	0.959	NO	1154		1.14	1154
16	16 PCB-24/27	7.85e5	1.03	NO	1.08	5.000	26.23	26.22	0.981	0.981	NO	2345		0.799	2345
17	17 PCB-16/32	6.71e5	1.03	NO	0.925	5.000	26.75	26.75	1.001	1.001	NO	2344		0.934	2344
18	18 PCB-34	4.84e5	1.06	NO	0.945	5.000	27.56	27.56	0.959	0.959	NO	1205		1.01	1205
19	19 PCB-23	4.49e5	1.07	NO	0.883	5.000	27.65	27.65	0.962	0.962	NO	1196		1.08	1196
20	20 PCB-29	4.38e5	1.05	NO	0.893	5.000	27.91	27.91	0.971	0.971	NO	1155		1.07	1155
21	21 PCB-26	4.72e5	1.04	NO	0.944	5.000	28.14	28.14	0.979	0.979	NO	1177		1.01	1177
22	22 PCB-25	4.82e5	1.02	NO	0.950	5.000	28.29	28.31	0.984	0.984	NO	1194		1.00	1194
23	23 PCB-31	5.20e5	1.04	NO	1.04	5.000	28.66	28.66	0.997	0.997	NO	1181		0.921	1181
24	24 PCB-28	5.23e5	1.03	NO	1.03	5.000	28.77	28.77	1.001	1.001	NO	1201		0.931	1201
25	25 PCB-20/21/33	1.43e6	1.02	NO	0.941	5.000	29.41	29.40	1.023	1.023	NO	3583		1.01	3583
26	26 PCB-22	5.03e5	1.03	NO	0.973	5.000	29.85	29.87	1.038	1.039	NO	1217		0.981	1217
27	27 PCB-36	5.04e5	1.03	NO	1.08	5.000	30.49	30.48	0.931	0.931	NO	1194		0.992	1194
28	28 PCB-39	4.57e5	1.00	NO	0.988	5.000	30.97	30.99	0.946	0.947	NO	1179		1.08	1179
29	29 PCB-38	5.08e5	1.05	NO	1.05	5.000	31.77	31.77	0.970	0.970	NO	1231		1.01	1231
30	30 PCB-35	5.00e5	1.05	NO	1.04	5.000	32.31	32.31	0.987	0.987	NO	1221		1.02	1221
31	31 PCB-37	5.08e5	1.02	NO	1.01	5.000	32.75	32.75	1.001	1.001	NO	1285		1.06	1285
32	32 PCB-54	3.63e5	0.78	NO	1.08	5.000	27.62	27.62	1.001	1.001	NO	1208		1.00	1208



Dataset: U:\VG11.PRO\Results\200613K2\200613K2-8.qld

Last Altered: Sunday, June 14, 2020 15:09:02 Pacific Daylight Time

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Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	2.83e5	0.76	NO	0.880	5.000	28.81	28.81	1.044	1.044	NO	1158		1.23	1158
34	34 PCB-53	2.58e5	0.77	NO	0.997	5.000	29.50	29.48	0.944	0.943	NO	1151		1.36	1151
35	35 PCB-51	2.87e5	0.77	NO	1.07	5.000	29.84	29.83	0.955	0.955	NO	1197		1.27	1197
36	36 PCB-45	2.25e5	0.77	NO	0.858	5.000	30.29	30.28	0.969	0.969	NO	1167		1.58	1167
37	37 PCB-46	2.15e5	0.78	NO	0.831	5.000	30.78	30.78	0.985	0.985	NO	1152		1.63	1152
38	38 PCB-52/69	6.22e5	0.78	NO	1.17	5.000	31.28	31.28	1.001	1.001	NO	2371		1.16	2371
39	39 PCB-73	4.00e5	0.77	NO	1.44	5.000	31.40	31.39	1.005	1.005	NO	1232		0.938	1232
40	40 PCB-43/49	5.54e5	0.76	NO	1.02	5.000	31.57	31.56	1.010	1.010	NO	2426		1.33	2426
41	41 PCB-47	2.56e5	0.76	NO	0.922	5.000	31.79	31.78	1.001	1.001	NO	1174		1.42	1174
42	42 PCB-48/75	6.43e5	0.79	NO	1.12	5.000	31.90	31.90	1.004	1.004	NO	2427		1.17	2427
43	43 PCB-65	3.65e5	0.75	NO	1.28	5.000	32.17	32.18	1.013	1.013	NO	1204		1.02	1204
44	44 PCB-62	3.04e5	0.77	NO	1.13	5.000	32.28	32.27	1.016	1.016	NO	1141		1.16	1141
45	45 PCB-44	2.29e5	0.78	NO	0.824	5.000	32.62	32.60	1.027	1.026	NO	1175		1.59	1175
46	46 PCB-42/59	5.99e5	0.78	NO	1.05	5.000	32.85	32.83	1.034	1.033	NO	2413		1.25	2413
47	47 PCB-41/64/71/72	1.39e6	0.79	NO	1.19	5.000	33.45	33.44	1.053	1.053	NO	4959		1.10	4959
48	48 PCB-68	3.68e5	0.77	NO	1.28	5.000	33.70	33.70	1.061	1.061	NO	1218		1.02	1218
49	49 PCB-40	1.74e5	0.76	NO	0.602	5.000	33.93	33.92	1.068	1.068	NO	1226		2.17	1226
50	50 PCB-57	3.91e5	0.75	NO	1.16	5.000	34.30	34.30	0.969	0.969	NO	1189		0.976	1189
51	51 PCB-67	3.61e5	0.77	NO	1.08	5.000	34.62	34.61	0.978	0.978	NO	1175		1.05	1175
52	52 PCB-58	4.05e5	0.77	NO	1.20	5.000	34.74	34.72	0.982	0.981	NO	1187		0.943	1187
53	53 PCB-63	3.55e5	0.78	NO	1.07	5.000	34.90	34.89	0.986	0.986	NO	1170		1.06	1170
54	54 PCB-74	3.97e5	0.77	NO	1.19	5.000	35.20	35.19	0.994	0.994	NO	1184		0.958	1184
55	55 PCB-61/70	7.16e5	0.77	NO	1.05	5.000	35.41	35.32	1.000	0.998	NO	2398		1.08	2398
56	56 PCB-76/66	7.89e5	0.78	NO	1.16	5.000	35.60	35.60	1.006	1.006	NO	2393		0.975	2393
57	57 PCB-80	4.18e5	0.76	NO	1.19	5.000	35.84	35.84	1.001	1.001	NO	1189		0.882	1189
58	58 PCB-55	4.13e5	0.77	NO	1.17	5.000	36.16	36.18	1.010	1.010	NO	1192		0.895	1192
59	59 PCB-56/60	7.33e5	0.77	NO	1.02	5.000	36.68	36.68	1.024	1.024	NO	2429		1.03	2429
60	60 PCB-79	4.13e5	0.77	NO	1.14	5.000	37.78	37.78	1.055	1.055	NO	1223		0.920	1223
61	61 PCB-78	3.80e5	0.78	NO	1.14	5.000	38.50	38.50	0.987	0.987	NO	1142		0.940	1142
62	62 PCB-81	3.76e5	0.77	NO	1.05	5.000	39.04	39.04	1.000	1.000	NO	1230		1.02	1230
63	63 PCB-77	3.76e5	0.78	NO	1.14	5.000	39.66	39.66	1.000	1.000	NO	1170		0.979	1170
64	64 PCB-104	2.24e5	1.59	NO	1.12	5.000	32.46	32.46	1.001	1.001	NO	1185		0.941	1185
65	65 PCB-96	2.25e5	1.59	NO	1.15	5.000	33.78	33.76	1.041	1.041	NO	1156		0.915	1156
66	66 PCB-103	1.78e5	1.59	NO	0.936	5.000	34.34	34.32	1.059	1.058	NO	1128		1.13	1128
67	67 PCB-100	1.79e5	1.55	NO	0.954	5.000	34.69	34.67	1.069	1.069	NO	1113		1.11	1113
68	68 PCB-94	1.41e5	1.55	NO	0.949	5.000	35.18	35.17	0.985	0.985	NO	1108		1.37	1108

Dataset: U:\VG11.PRO\Results\200613K2\200613K2-8.qld

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Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	5.60e5	1.59	NO	1.20	5.000	35.65	35.66	0.999	0.999	NO	3469		1.08	3469
70	70 PCB-93	1.35e5	1.60	NO	0.935	5.000	35.77	35.79	1.002	1.003	NO	1080		1.39	1080
71	71 PCB-88/91	3.36e5	1.56	NO	1.06	5.000	36.12	36.12	1.012	1.012	NO	2358		1.22	2358
72	72 PCB-121	2.46e5	1.60	NO	1.71	5.000	36.21	36.21	1.015	1.015	NO	1072		0.761	1072
73	73 PCB-84/92	3.08e5	1.60	NO	1.02	5.000	37.08	37.07	0.990	0.990	NO	2276		1.27	2276
74	74 PCB-89	1.68e5	1.58	NO	1.11	5.000	37.25	37.26	0.995	0.995	NO	1141		1.17	1141
75	75 PCB-90/101	3.42e5	1.61	NO	1.12	5.000	37.46	37.44	1.000	1.000	NO	2287		1.15	2287
76	76 PCB-113	2.39e5	1.61	NO	1.51	5.000	37.70	37.70	1.007	1.007	NO	1184		0.852	1184
77	77 PCB-99	1.87e5	1.60	NO	1.32	5.000	37.79	37.80	1.009	1.009	NO	1063		0.976	1063
78	78 PCB-119	2.44e5	1.58	NO	1.81	5.000	38.28	38.28	0.987	0.987	NO	1116		0.804	1116
79	79 PCB-108/112	3.91e5	1.60	NO	1.44	5.000	38.44	38.43	0.991	0.991	NO	2238		1.00	2238
80	80 PCB-83	2.45e5	1.58	NO	1.83	5.000	38.59	38.60	0.995	0.995	NO	1107		0.793	1107
81	81 PCB-97	1.75e5	1.59	NO	1.28	5.000	38.80	38.80	1.000	1.000	NO	1126		1.13	1126
82	82 PCB-86	1.64e5	1.59	NO	1.12	5.000	38.95	38.97	1.004	1.005	NO	1210		1.30	1210
83	83 PCB-87/117/125	6.64e5	1.60	NO	1.56	5.000	39.10	39.08	1.008	1.008	NO	3520		0.931	3520
84	84 PCB-111/115	5.60e5	1.58	NO	1.91	5.000	39.25	39.25	1.012	1.012	NO	2420		0.760	2420
85	85 PCB-85/116	3.76e5	1.60	NO	1.41	5.000	39.38	39.38	1.015	1.015	NO	2201		1.03	2201
86	86 PCB-120	2.83e5	1.59	NO	2.01	5.000	39.64	39.64	1.022	1.022	NO	1167		0.724	1167
87	87 PCB-110	2.29e5	1.56	NO	1.74	5.000	39.77	39.79	1.026	1.026	NO	1085		0.833	1085
88	88 PCB-82	1.42e5	1.55	NO	0.781	5.000	40.43	40.42	0.976	0.976	NO	1099		1.37	1099
89	89 PCB-124	2.45e5	1.54	NO	1.40	5.000	41.13	41.13	0.993	0.993	NO	1063		0.767	1063
90	90 PCB-107/109	5.08e5	1.58	NO	1.34	5.000	41.27	41.28	0.996	0.996	NO	2291		0.799	2291
91	91 PCB-123	2.23e5	1.57	NO	1.20	5.000	41.44	41.44	1.000	1.000	NO	1124		0.895	1124
92	92 PCB-106/118	4.93e5	1.60	NO	1.22	5.000	41.65	41.67	1.001	1.001	NO	2306		0.845	2306
93	93 PCB-114	3.45e5	1.56	NO	1.14	5.000	42.31	42.30	1.000	1.000	NO	1160		1.41	1160
94	94 PCB-122	2.91e5	1.60	NO	0.944	5.000	42.45	42.46	1.004	1.004	NO	1182		1.70	1182
95	95 PCB-105	3.35e5	1.56	NO	1.05	5.000	43.19	43.21	1.000	1.001	NO	1192		1.50	1192
96	96 PCB-127	3.65e5	1.55	NO	1.06	5.000	43.55	43.56	1.000	1.000	NO	1216		1.37	1216
97	97 PCB-126	4.04e5	1.58	NO	1.17	5.000	45.51	45.51	1.000	1.000	NO	1171		1.20	1171
98	98 PCB-155	1.16e5	1.37	NO	1.04	5.000	36.98	36.99	1.000	1.001	NO	1091		0.879	1091
99	99 PCB-150	1.25e5	1.29	NO	1.08	5.000	38.30	38.30	1.036	1.036	NO	1140		0.847	1140
100	1... PCB-152	1.42e5	1.31	NO	1.19	5.000	38.78	38.78	1.049	1.049	NO	1177		0.773	1177
101	1... PCB-145	1.46e5	1.27	NO	1.19	5.000	39.25	39.25	1.062	1.062	NO	1210		0.772	1210
102	1... PCB-136	1.25e5	1.33	NO	1.02	5.000	39.58	39.58	1.071	1.071	NO	1207		0.899	1207
103	1... PCB-148	9.39e4	1.36	NO	0.842	5.000	39.69	39.69	1.074	1.074	NO	1099		1.09	1099
104	1... PCB-154	1.08e5	1.31	NO	0.919	5.000	40.20	40.20	1.088	1.088	NO	1156		0.998	1156

Dataset: U:\VG11.PRO\Results\200613K2\200613K2-8.qld

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Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	8.99e4	1.27	NO	0.787	5.000	40.86	40.85	1.105	1.105	NO	1125		1.17	1125
106	1... PCB-135	1.06e5	1.28	NO	0.922	5.000	41.07	41.09	1.111	1.112	NO	1131		0.995	1131
107	1... PCB-144	8.68e4	1.31	NO	0.789	5.000	41.18	41.18	1.114	1.114	NO	1082		1.16	1082
108	1... PCB-147	9.59e4	1.29	NO	0.834	5.000	41.31	41.33	1.118	1.118	NO	1131		1.10	1131
109	1... PCB-139/149	2.22e5	1.34	NO	0.948	5.000	41.60	41.59	1.125	1.125	NO	2304		0.968	2304
110	1... PCB-140	9.09e4	1.32	NO	0.794	5.000	41.78	41.80	1.130	1.131	NO	1128		1.16	1128
111	1... PCB-134/143	3.86e5	1.24	NO	0.759	5.000	42.26	42.25	0.975	0.975	NO	2332		2.48	2332
112	1... PCB-131/133	4.06e5	1.22	NO	0.821	5.000	42.56	42.55	0.982	0.982	NO	2269		2.30	2269
113	1... PCB-142	1.83e5	1.23	NO	0.754	5.000	42.71	42.70	0.985	0.985	NO	1115		2.50	1115
114	1... PCB-146/165	5.09e5	1.24	NO	1.02	5.000	42.95	42.95	0.991	0.991	NO	2300		1.86	2300
115	1... PCB-132/161	5.12e5	1.23	NO	1.02	5.000	43.18	43.18	0.996	0.996	NO	2295		1.84	2295
116	1... PCB-153	2.67e5	1.25	NO	1.07	5.000	43.36	43.37	1.000	1.000	NO	1145		1.76	1145
117	1... PCB-168	2.76e5	1.24	NO	1.08	5.000	43.59	43.59	1.006	1.006	NO	1175		1.75	1175
118	1... PCB-141	2.18e5	1.26	NO	1.03	5.000	44.12	44.14	1.000	1.001	NO	1186		2.27	1186
119	1... PCB-137	2.11e5	1.23	NO	1.11	5.000	44.52	44.52	1.010	1.009	NO	1059		2.09	1059
120	1... PCB-130	1.85e5	1.23	NO	0.885	5.000	44.62	44.63	1.012	1.012	NO	1166		2.63	1166
121	1... PCB-138/163/164	8.32e5	1.24	NO	1.28	5.000	45.01	45.03	1.001	1.001	NO	3574		1.80	3574
122	1... PCB-158/160	5.72e5	1.27	NO	1.24	5.000	45.26	45.28	1.006	1.007	NO	2544		1.86	2544
123	1... PCB-129	2.04e5	1.29	NO	0.867	5.000	45.52	45.53	1.012	1.012	NO	1295		2.66	1295
124	1... PCB-166	3.03e5	1.24	NO	1.14	5.000	45.99	45.98	0.993	0.993	NO	1149		1.59	1149
125	1... PCB-159	3.26e5	1.24	NO	1.22	5.000	46.32	46.32	1.000	1.000	NO	1162		1.49	1162
126	1... PCB-128/162	4.83e5	1.23	NO	0.907	5.000	46.61	46.62	1.007	1.007	NO	2309		2.00	2309
127	1... PCB-167	2.86e5	1.25	NO	1.11	5.000	47.02	47.02	1.000	1.000	NO	1173		1.72	1173
128	1... PCB-156	2.85e5	1.23	NO	1.13	5.000	48.35	48.37	1.000	1.001	NO	1185		1.79	1185
129	1... PCB-157	2.66e5	1.26	NO	1.04	5.000	48.65	48.63	1.001	1.000	NO	1170		1.85	1170
130	1... PCB-169	2.71e5	1.25	NO	1.16	5.000	50.91	50.91	1.000	1.000	NO	1175		1.84	1175
131	1... PCB-188	2.36e5	1.08	NO	1.29	5.000	43.01	42.99	1.001	1.000	NO	1169		1.55	1169
132	1... PCB-184	2.28e5	1.05	NO	1.23	5.000	43.44	43.46	1.011	1.011	NO	1181		1.63	1181
133	1... PCB-179	2.32e5	1.02	NO	1.30	5.000	44.26	44.26	1.030	1.030	NO	1142		1.54	1142
134	1... PCB-176	2.30e5	1.06	NO	1.31	5.000	44.72	44.73	1.041	1.041	NO	1124		1.53	1124
135	1... PCB-186	2.81e5	1.01	NO	1.33	5.000	45.35	45.35	1.055	1.056	NO	1349		1.51	1349
136	1... PCB-178	1.72e5	1.06	NO	0.943	5.000	45.87	45.87	1.067	1.067	NO	1165		2.12	1165
137	1... PCB-175	1.70e5	1.05	NO	0.956	5.000	46.22	46.23	1.076	1.076	NO	1139		2.10	1139
138	1... PCB-182/187	3.94e5	1.04	NO	1.07	5.000	46.40	46.42	1.080	1.080	NO	2362		1.88	2362
139	1... PCB-183	1.83e5	1.06	NO	1.02	5.000	46.74	46.74	1.088	1.088	NO	1142		1.96	1142
140	1... PCB-185	1.66e5	1.03	NO	1.41	5.000	47.42	47.42	0.955	0.955	NO	1130		2.23	1130

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Printed: Sunday, June 14, 2020 15:09:25 Pacific Daylight Time

Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	1.47e5	1.04	NO	1.35	5.000	47.81	47.80	0.962	0.962	NO	1043		2.31	1043
142	1... PCB-181	1.80e5	1.04	NO	1.47	5.000	47.90	47.89	0.964	0.964	NO	1168		2.12	1168
143	1... PCB-177	1.48e5	1.04	NO	1.28	5.000	48.06	48.06	0.968	0.968	NO	1109		2.45	1109
144	1... PCB-171	1.55e5	1.03	NO	1.32	5.000	48.36	48.37	0.974	0.974	NO	1124		2.38	1124
145	1... PCB-173	1.36e5	1.04	NO	1.19	5.000	48.80	48.80	0.983	0.982	NO	1097		2.63	1097
146	1... PCB-172	1.59e5	1.06	NO	1.38	5.000	49.28	49.28	0.992	0.992	NO	1107		2.28	1107
147	1... PCB-192	2.10e5	1.06	NO	1.83	5.000	49.47	49.47	0.996	0.996	NO	1101		1.71	1101
148	1... PCB-180	1.72e5	1.05	NO	1.41	5.000	49.69	49.69	1.000	1.000	NO	1166		2.22	1166
149	1... PCB-193	1.91e5	1.05	NO	1.68	5.000	49.90	49.90	1.005	1.005	NO	1088		1.87	1088
150	1... PCB-191	1.96e5	1.00	NO	1.71	5.000	50.17	50.17	1.010	1.010	NO	1100		1.83	1100
151	1... PCB-170	1.45e5	1.03	NO	1.40	5.000	51.36	51.36	1.000	1.000	NO	1182		2.59	1182
152	1... PCB-190	1.93e5	1.06	NO	1.85	5.000	51.55	51.55	1.004	1.004	NO	1193		1.96	1193
153	1... PCB-189	2.00e5	1.03	NO	1.45	5.000	53.09	53.08	1.000	1.000	NO	1159		1.62	1159
154	1... PCB-202	1.48e5	0.89	NO	1.17	5.000	48.59	48.58	1.001	1.000	NO	1121		1.09	1121
155	1... PCB-201	1.33e5	0.92	NO	1.05	5.000	49.09	49.09	1.011	1.011	NO	1114		1.21	1114
156	1... PCB-204	1.43e5	0.89	NO	1.14	5.000	49.23	49.24	1.014	1.014	NO	1113		1.11	1113
157	1... PCB-197	1.41e5	0.93	NO	1.13	5.000	49.55	49.56	1.020	1.021	NO	1105		1.12	1105
158	1... PCB-200	1.33e5	0.92	NO	1.07	5.000	50.48	50.49	1.040	1.040	NO	1100		1.19	1100
159	1... PCB-198	1.03e5	0.90	NO	0.794	5.000	52.06	52.06	1.072	1.072	NO	1148		1.60	1148
160	1... PCB-199	1.00e5	0.88	NO	0.809	5.000	52.16	52.17	1.074	1.075	NO	1093		1.57	1093
161	1... PCB-196/203	2.16e5	0.91	NO	0.838	5.000	52.48	52.48	1.081	1.081	NO	2277		1.51	2277
162	1... PCB-195	1.64e5	0.91	NO	1.04	5.000	53.78	53.78	0.984	0.983	NO	1093		2.59	1093
163	1... PCB-194	1.85e5	0.89	NO	1.12	5.000	54.70	54.70	1.000	1.000	NO	1151		2.43	1151
164	1... PCB-205	2.25e5	0.91	NO	1.29	5.000	54.97	54.98	1.005	1.005	NO	1211		2.10	1211
165	1... PCB-208	1.99e5	1.35	NO	0.933	5.000	53.94	53.94	1.000	1.000	NO	1153		2.57	1153
166	1... PCB-207	1.87e5	1.36	NO	0.916	5.000	54.26	54.26	1.006	1.006	NO	1105		2.61	1105
167	1... PCB-206	1.47e5	1.35	NO	1.01	5.000	56.24	56.24	1.000	1.000	NO	1104		3.19	1104
168	1... PCB-209	1.33e5	1.21	NO	0.986	5.000	57.47	57.47	1.000	1.000	NO	1147		0.229	1147
169	1... 13C-PCB-1	9.03e5	3.30	NO	0.893	5.000	15.50	15.52	0.608	0.609	NO	1599	80.0	2.06	
170	1... 13C-PCB-3	9.16e5	3.31	NO	0.911	5.000	18.15	18.16	0.712	0.712	NO	1592	79.6	2.02	
171	1... 13C-PCB-4	6.25e5	1.59	NO	0.600	5.000	19.50	19.51	0.765	0.765	NO	1650	82.5	1.05	
172	1... 13C-PCB-9	1.01e6	1.58	NO	0.970	5.000	21.33	21.34	0.836	0.837	NO	1649	82.5	0.649	
173	1... 13C-PCB-11	9.70e5	1.59	NO	0.962	5.000	24.77	24.78	0.971	0.972	NO	1596	79.8	0.654	
174	1... 13C-PCB-19	4.13e5	1.04	NO	0.499	5.000	23.74	23.75	0.931	0.931	NO	1311	65.6	10.7	
175	1... 13C-PCB-32	6.18e5	1.06	NO	0.744	5.000	26.72	26.73	1.048	1.048	NO	1315	65.8	7.16	
176	1... 13C-PCB-28	8.50e5	1.05	NO	1.06	5.000	28.75	28.75	1.004	1.004	NO	1606	80.3	9.48	

Dataset: U:\VG11.PRO\Results\200613K2\200613K2-8.qld

Last Altered: Sunday, June 14, 2020 15:09:02 Pacific Daylight Time

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Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

#	Name	Resp	FA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	7.84e5	1.09	NO	0.989	5.000	32.73	32.73	1.143	1.143	NO	1596	79.8	10.2	
178	1... 13C-PCB-54	5.57e5	0.81	NO	0.999	5.000	27.60	27.60	0.753	0.753	NO	1669	83.5	2.22	
179	1... 13C-PCB-52	4.49e5	0.81	NO	0.804	5.000	31.24	31.25	0.852	0.852	NO	1675	83.8	2.75	
180	1... 13C-PCB-47	4.73e5	0.78	NO	0.857	5.000	31.76	31.77	0.866	0.867	NO	1653	82.7	2.58	
181	1... 13C-PCB-70	5.66e5	0.79	NO	0.996	5.000	35.39	35.40	0.965	0.965	NO	1705	85.2	2.22	
182	1... 13C-PCB-80	5.93e5	0.80	NO	1.03	5.000	35.82	35.82	0.977	0.977	NO	1729	86.4	2.15	
183	1... 13C-PCB-81	5.85e5	0.79	NO	0.988	5.000	39.02	39.02	1.064	1.064	NO	1774	88.7	2.24	
184	1... 13C-PCB-77	5.65e5	0.82	NO	0.969	5.000	39.64	39.64	1.081	1.081	NO	1747	87.4	2.29	
185	1... 13C-PCB-104	3.37e5	1.57	NO	1.02	5.000	32.44	32.44	0.827	0.827	NO	1682	84.1	1.08	
186	1... 13C-PCB-95	2.68e5	1.67	NO	0.805	5.000	35.69	35.69	0.910	0.910	NO	1689	84.4	1.37	
187	1... 13C-PCB-101	2.66e5	1.60	NO	0.793	5.000	37.44	37.44	0.954	0.954	NO	1706	85.3	1.39	
188	1... 13C-PCB-97	2.42e5	1.59	NO	0.696	5.000	38.78	38.78	0.989	0.989	NO	1764	88.2	1.58	
189	1... 13C-PCB-123	3.31e5	1.66	NO	0.933	5.000	41.42	41.42	1.056	1.056	NO	1799	90.0	1.18	
190	1... 13C-PCB-118	3.51e5	1.66	NO	0.986	5.000	41.61	41.61	1.061	1.061	NO	1806	90.3	1.12	
191	1... 13C-PCB-114	5.22e5	1.60	NO	1.55	5.000	42.29	42.28	0.908	0.908	NO	1932	96.6	2.10	
192	1... 13C-PCB-105	5.34e5	1.55	NO	1.57	5.000	43.17	43.18	0.927	0.927	NO	1947	97.4	2.07	
193	1... 13C-PCB-127	5.67e5	1.57	NO	1.62	5.000	43.53	43.54	0.934	0.935	NO	2000	100	2.00	
194	1... 13C-PCB-126	5.88e5	1.58	NO	1.57	5.000	45.49	45.49	0.976	0.976	NO	2150	108	2.07	
195	1... 13C-PCB-155	2.03e5	1.30	NO	0.615	5.000	36.96	36.96	0.942	0.942	NO	1678	83.9	0.779	
196	1... 13C-PCB-153	4.36e5	1.30	NO	1.36	5.000	43.34	43.35	0.930	0.930	NO	1830	91.5	2.02	
197	1... 13C-PCB-141	3.59e5	1.27	NO	1.13	5.000	44.11	44.10	0.947	0.947	NO	1822	91.1	2.45	
198	1... 13C-PCB-138	3.63e5	1.28	NO	1.18	5.000	44.97	44.98	0.965	0.965	NO	1755	87.8	2.33	
199	1... 13C-PCB-159	4.61e5	1.30	NO	1.44	5.000	46.30	46.30	0.994	0.994	NO	1836	91.8	1.92	
200	2... 13C-PCB-167	4.40e5	1.30	NO	1.44	5.000	47.01	47.00	1.009	1.009	NO	1749	87.5	1.92	
201	2... 13C-PCB-156	4.27e5	1.31	NO	1.40	5.000	48.32	48.33	1.037	1.037	NO	1751	87.6	1.97	
202	2... 13C-PCB-157	4.38e5	1.27	NO	1.40	5.000	48.61	48.61	1.043	1.044	NO	1798	89.9	1.97	
203	2... 13C-PCB-169	3.98e5	1.24	NO	1.33	5.000	50.89	50.89	1.092	1.092	NO	1715	85.7	2.07	
204	2... 13C-PCB-188	3.13e5	0.45	NO	1.41	5.000	42.96	42.97	0.926	0.926	NO	1779	89.0	1.82	
205	2... 13C-PCB-180	2.09e5	0.48	NO	0.929	5.000	49.65	49.67	1.070	1.071	NO	1802	90.1	2.76	
206	2... 13C-PCB-170	1.75e5	0.46	NO	0.794	5.000	51.32	51.34	1.106	1.107	NO	1765	88.2	3.22	
207	2... 13C-PCB-189	2.38e5	0.47	NO	1.04	5.000	53.07	53.06	1.144	1.144	NO	1827	91.3	2.45	
208	2... 13C-PCB-202	2.26e5	0.91	NO	1.04	5.000	48.55	48.56	1.046	1.047	NO	1748	87.4	1.87	
209	2... 13C-PCB-194	2.88e5	0.89	NO	0.768	5.000	54.71	54.69	0.995	0.995	NO	1749	87.5	3.77	
210	2... 13C-PCB-208	3.69e5	0.78	NO	0.991	5.000	53.93	53.93	0.981	0.981	NO	1737	86.9	2.58	
211	2... 13C-PCB-206	2.65e5	0.82	NO	0.552	5.000	56.22	56.22	1.023	1.023	NO	2237	112	4.63	
212	2... 13C-PCB-209	2.36e5	1.20	NO	0.396	5.000	57.48	57.47	1.046	1.046	NO	2773	139	0.810	

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Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

#	Name	Resp	RA	rv	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check.RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	1.26e6	1.58	NO	1.00	5.000	25.51	25.50	1.000	0.000	NO	2000	100	0.629	
214	2... 13C-PCB-31	9.94e5	1.06	NO	1.00	5.000	28.64	28.64	1.000	0.000	NO	2000	100	10.1	
215	2... 13C-PCB-60	6.67e5	0.80	NO	1.00	5.000	36.66	36.66	1.000	0.000	NO	2000	100	2.22	
216	2... 13C-PCB-111	3.94e5	1.59	NO	1.00	5.000	39.23	39.23	1.000	0.000	NO	2000	100	1.10	
217	2... 13C-PCB-128	3.49e5	1.27	NO	1.00	5.000	46.59	46.59	1.000	0.000	NO	2000	100	2.76	
218	2... 13C-PCB-182	2.50e5	0.47	NO	1.00	5.000	46.40	46.40	0.000	0.000	NO	2000	100	2.56	
219	2... 13C-PCB-205	4.29e5	0.93	NO	1.00	5.000	54.97	54.97	1.000	0.000	NO	2000	100	2.90	
220	2... 13C-PCB-79	6.30e5	0.80	NO	1.07	5.000	37.76	37.76	1.030	1.030	NO	1768	88.4	2.07	
221	2... 13C-PCB-178	2.28e5	0.45	NO	0.766	5.000	45.84	45.85	0.988	0.988	NO	1702	85.1	2.34	
222	2... 13C-PCB-79	6.30e5	0.80	NO	1.08	5.000	37.76	37.76	0.968	0.968	NO	1993	99.6	2.31	
223	2... 13C-PCB-178	2.27e5	0.45	NO	1.05	5.000	45.85	45.85	0.923	0.923	NO	2069	103	2.96	

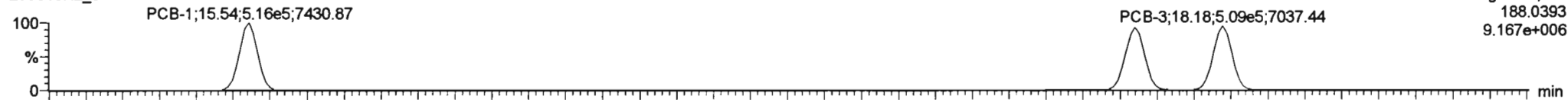
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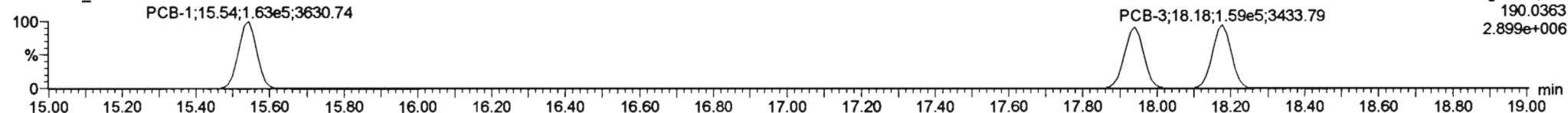
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**PCB-1**

200613K2\_8

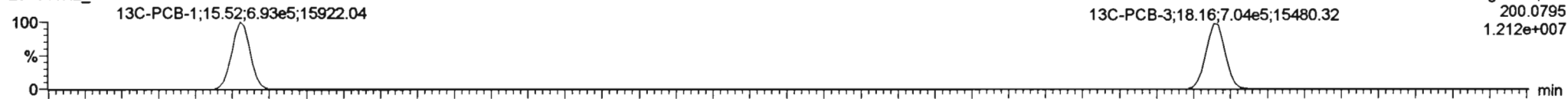


200613K2\_8

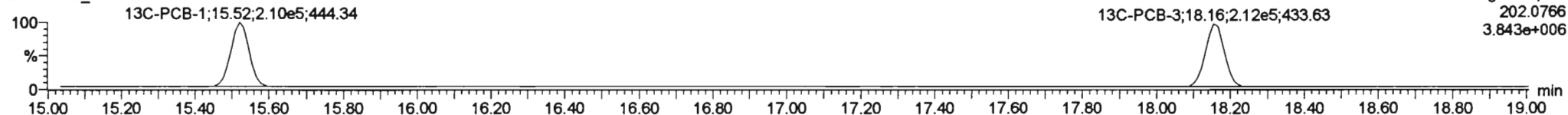


**13C-PCB-1**

200613K2\_8

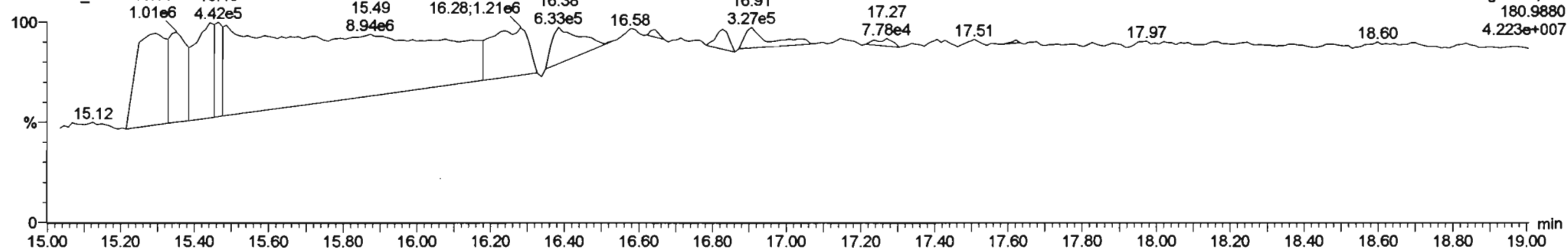


200613K2\_8



**PFK1**

200613K2\_8

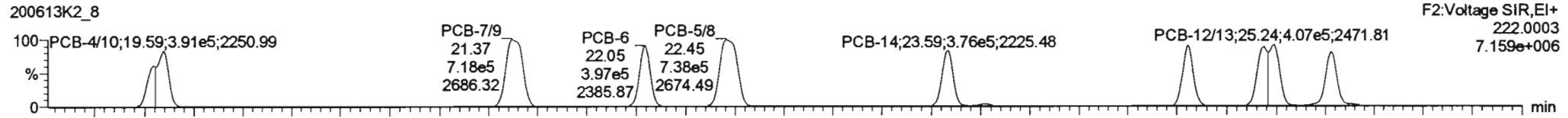


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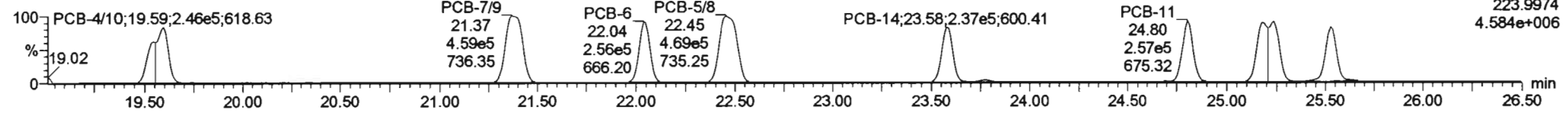
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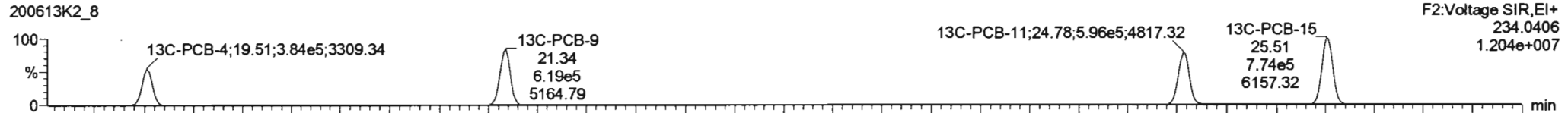
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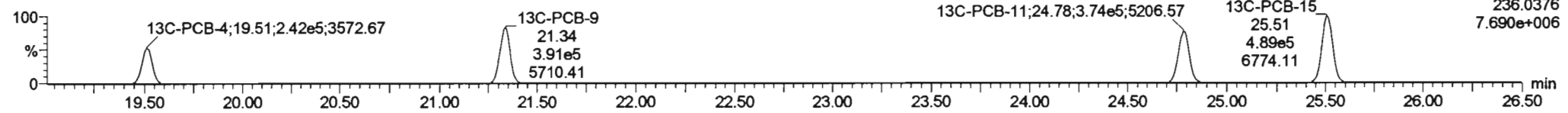
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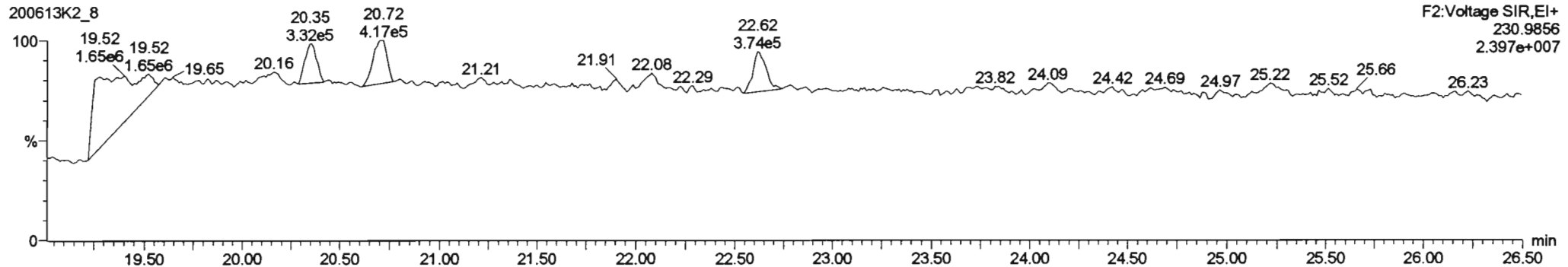
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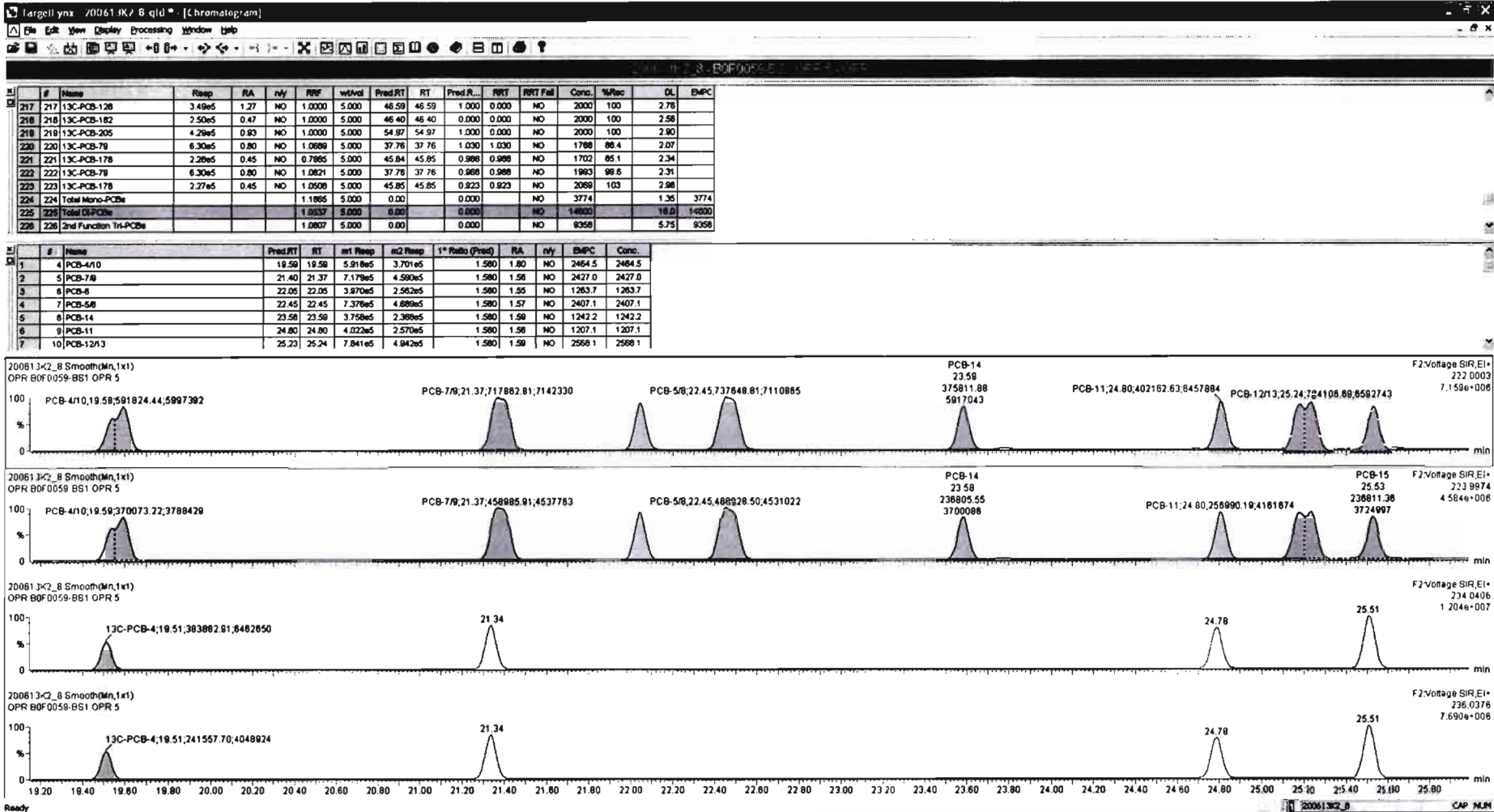
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**PFK2a**





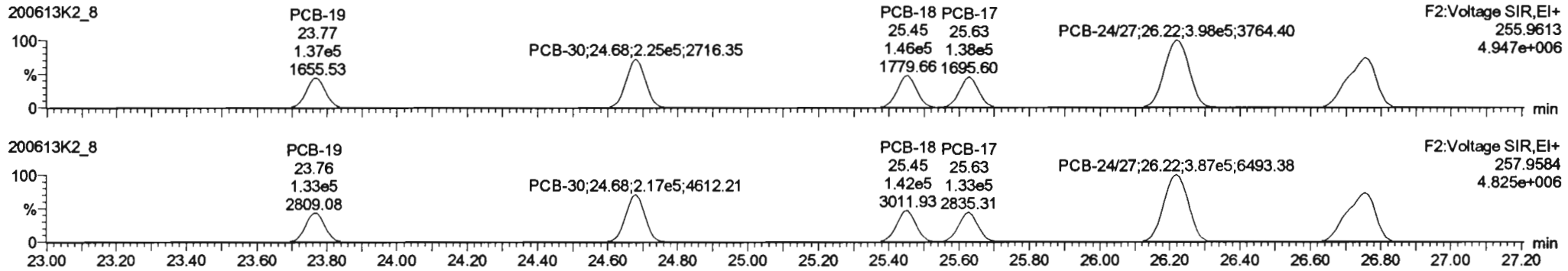


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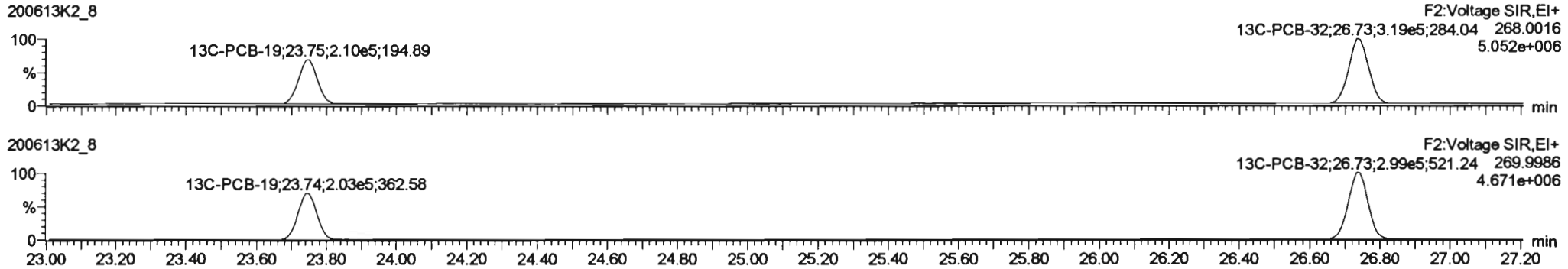
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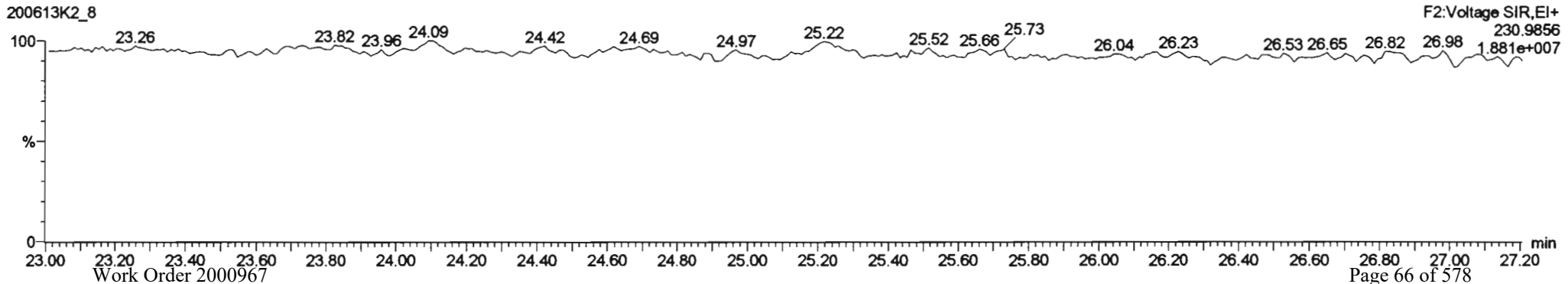
**PCB-19**



**13C-PCB-19**



**PFK2b**

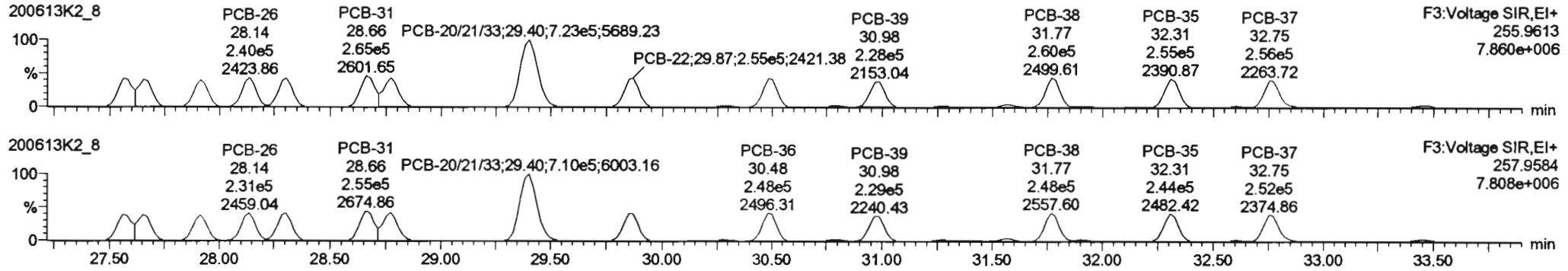


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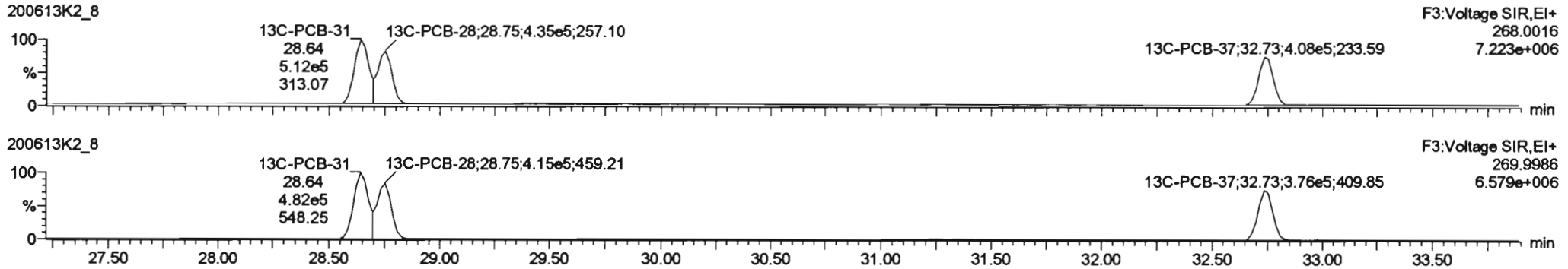
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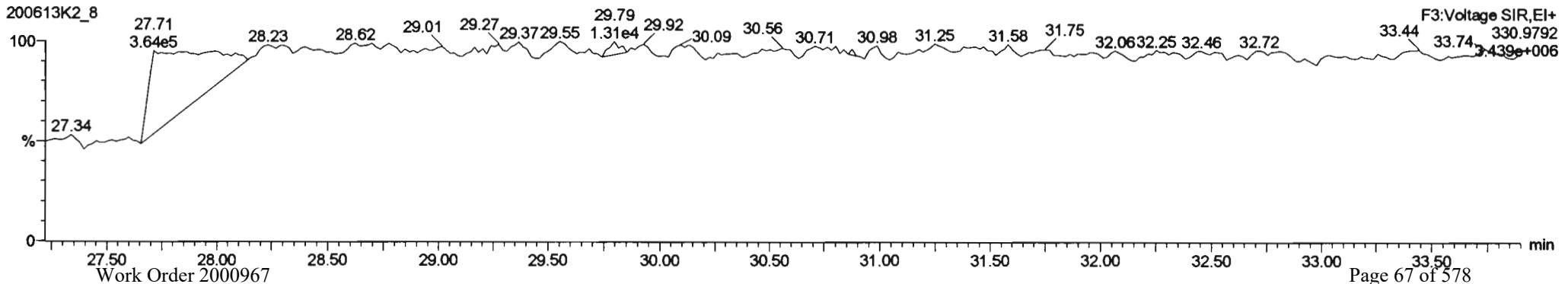
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**13C-PCB-28**



**PFK3d**

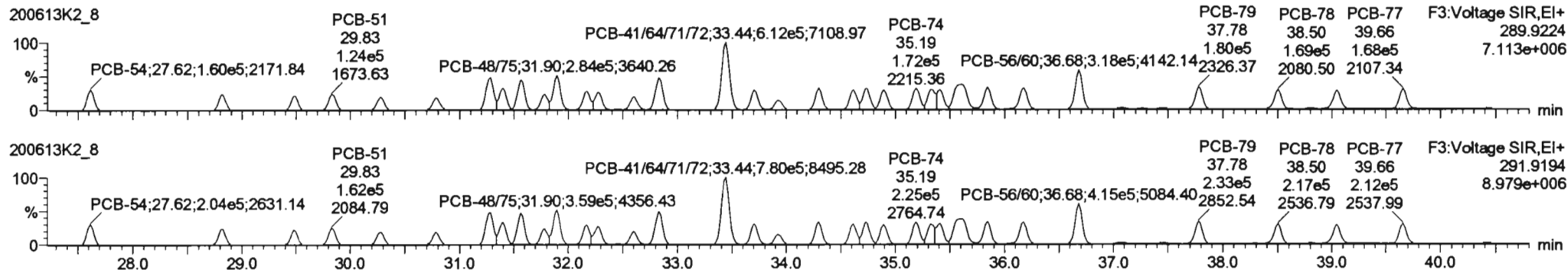


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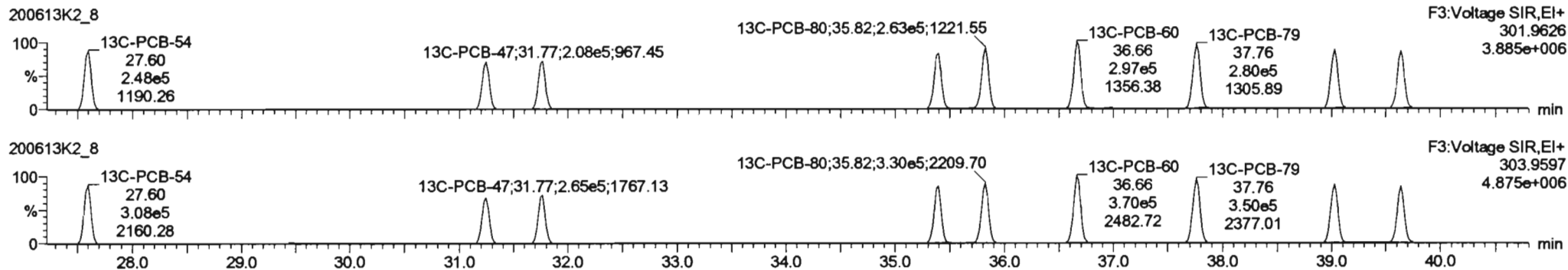
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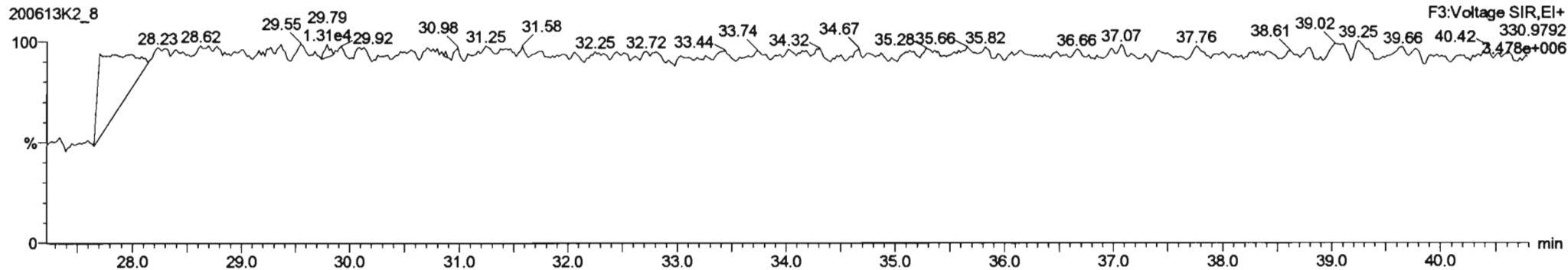
**PCB-54**



**13C-PCB-54**



**PFK3a**



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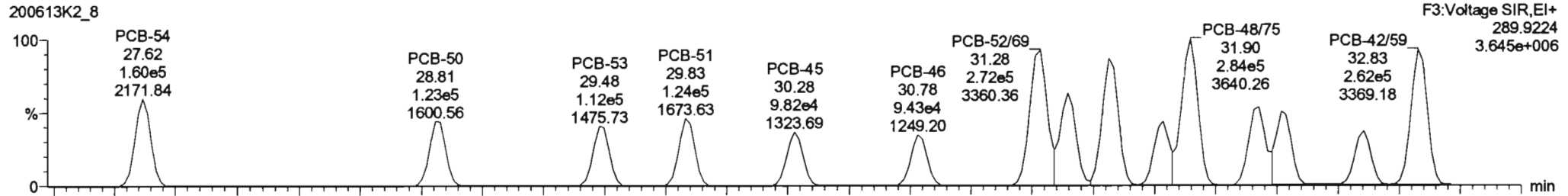
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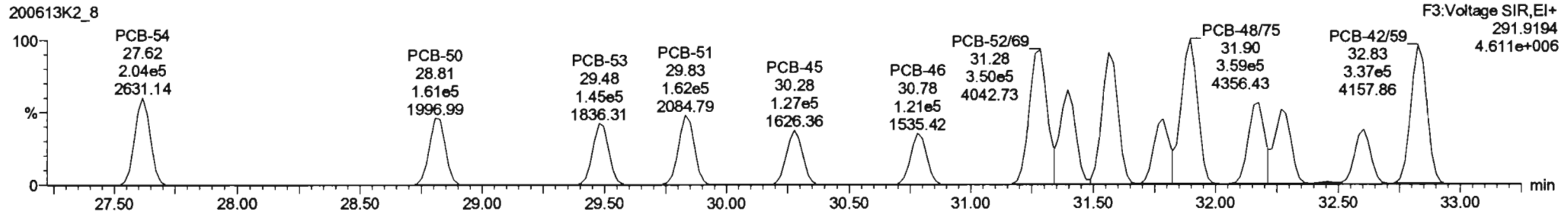
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**PCB-50**

200613K2\_8

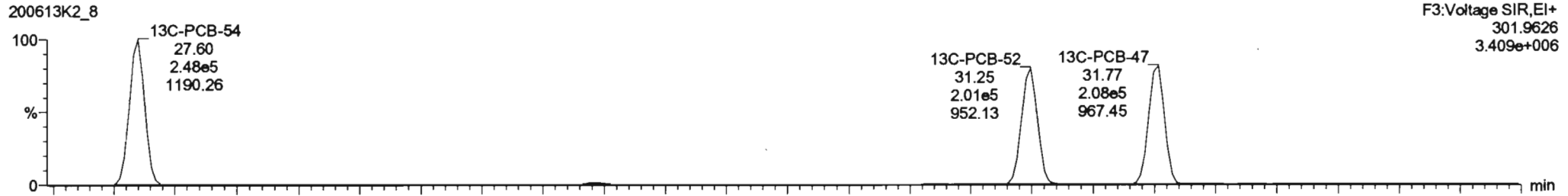


200613K2\_8

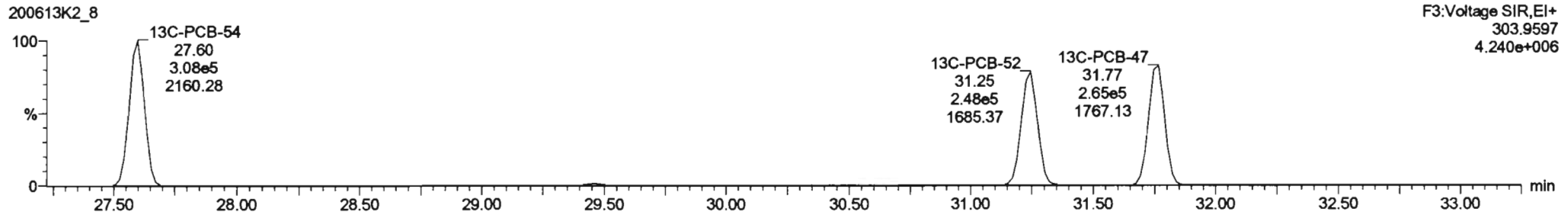


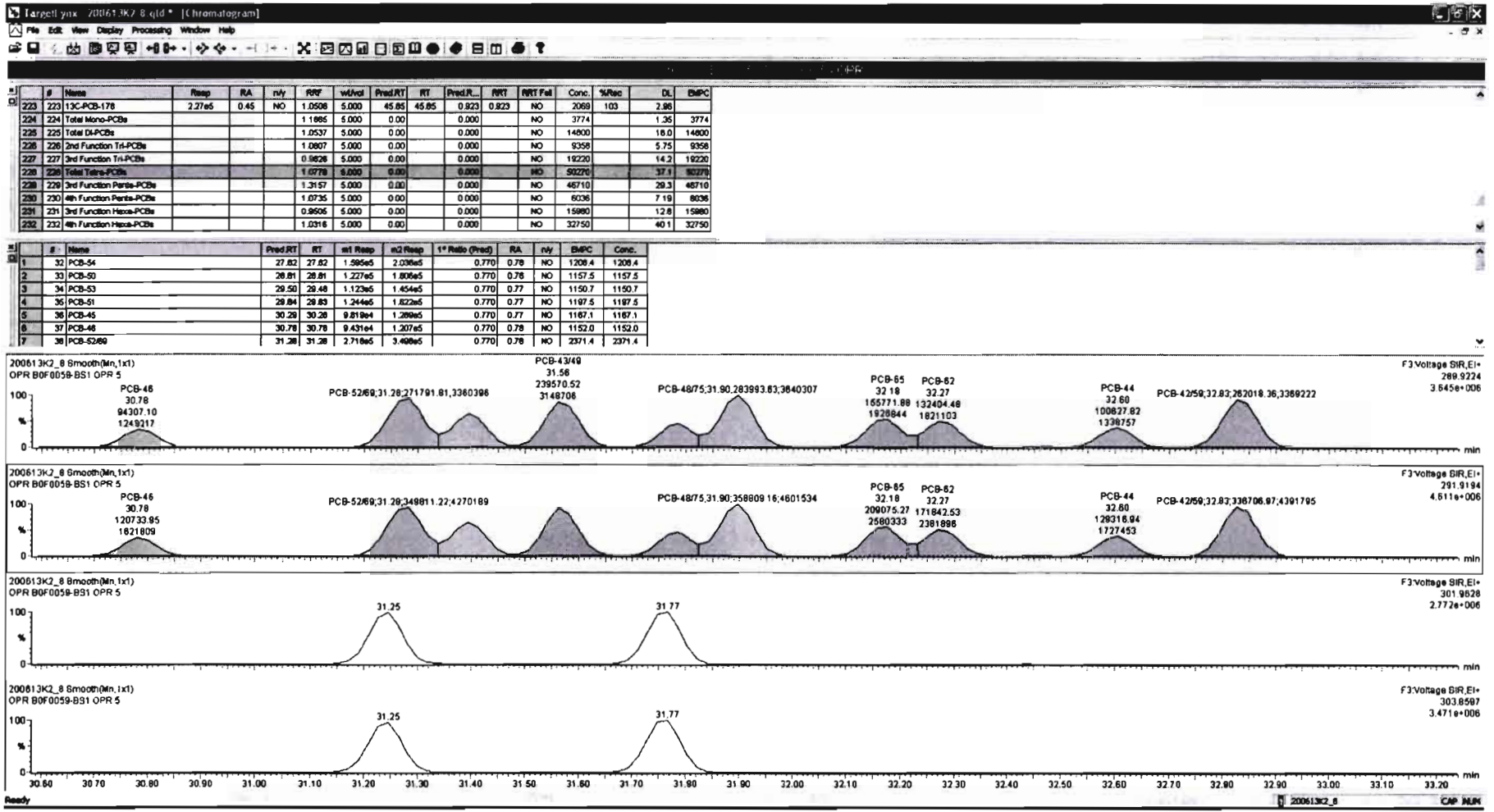
**13C-PCB-52**

200613K2\_8



200613K2\_8





Dataset: Untitled

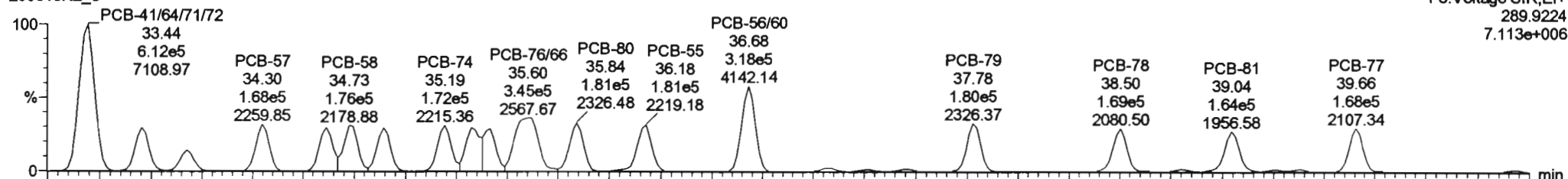
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time

Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

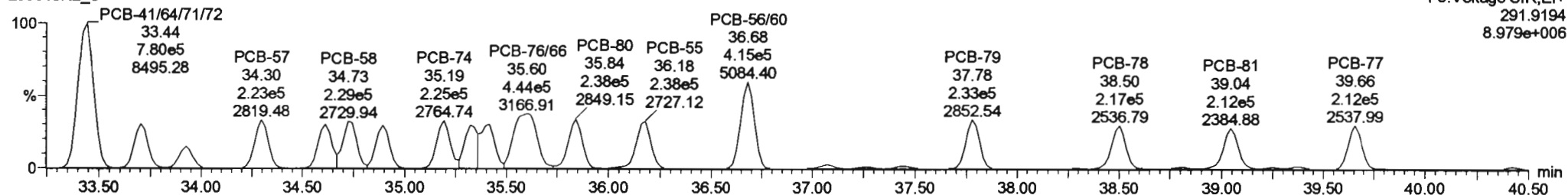
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**PCB-68**

200613K2\_8

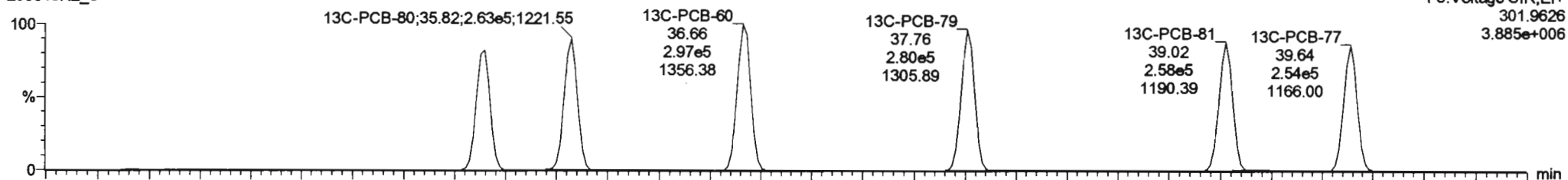


200613K2\_8

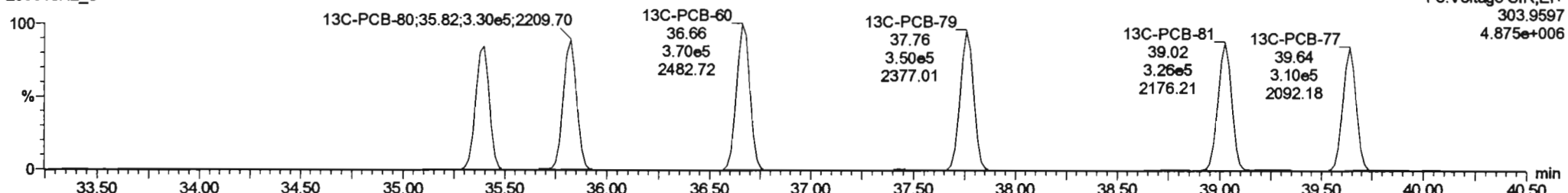


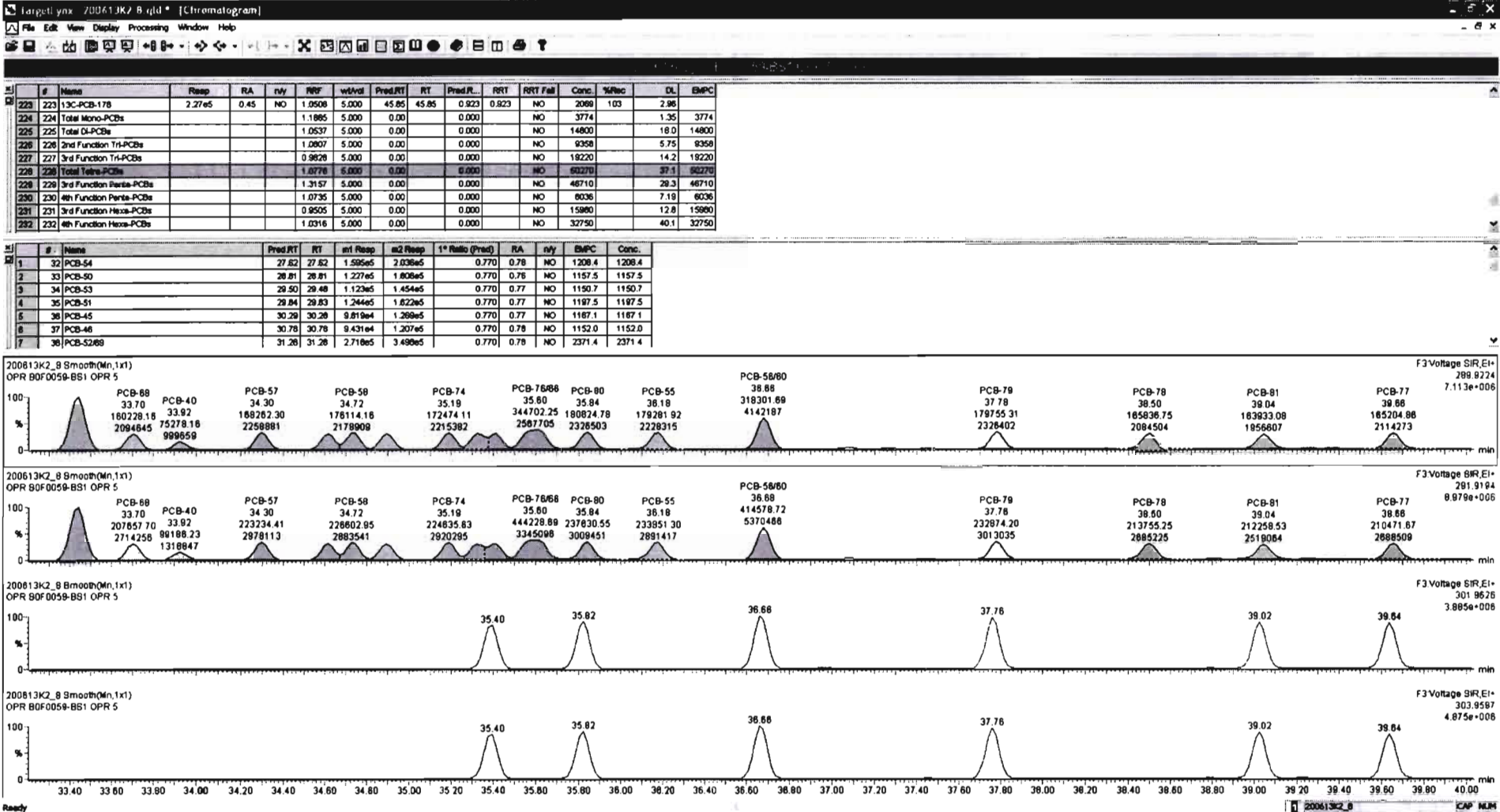
**13C-PCB-60**

200613K2\_8



200613K2\_8





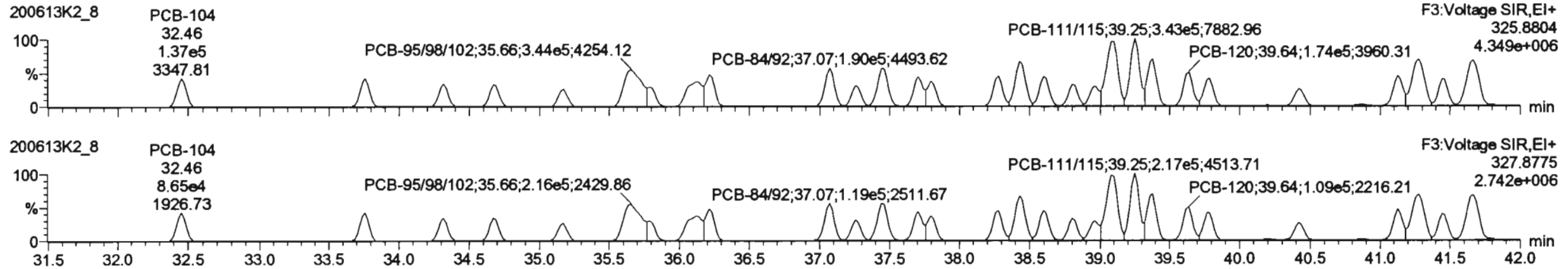


Dataset: Untitled

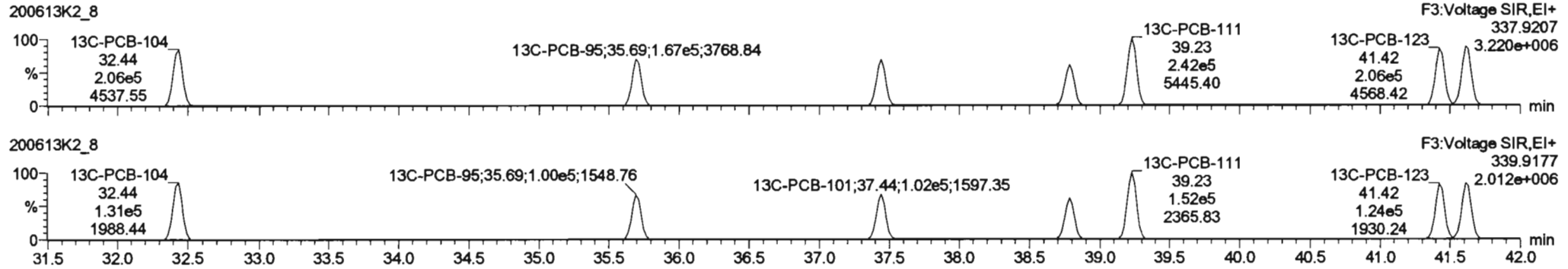
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

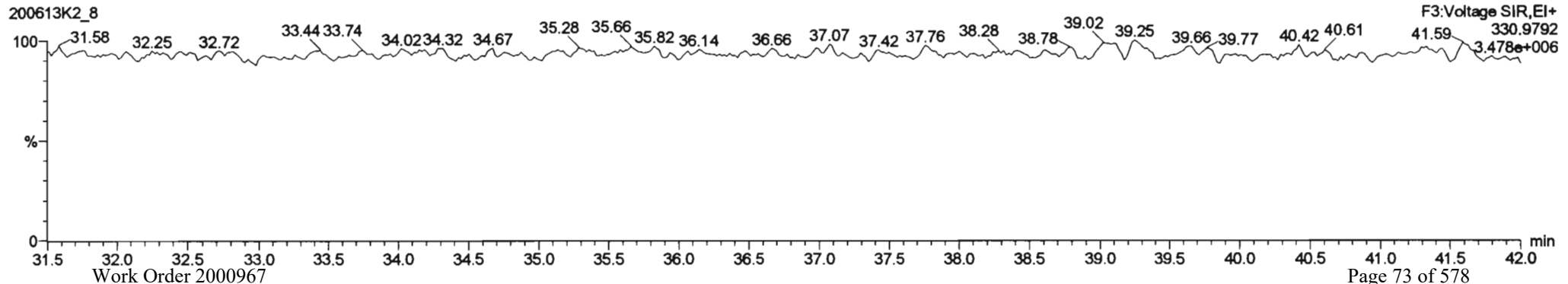
**PCB-104**



**13C-PCB-104**



**PFK3b**



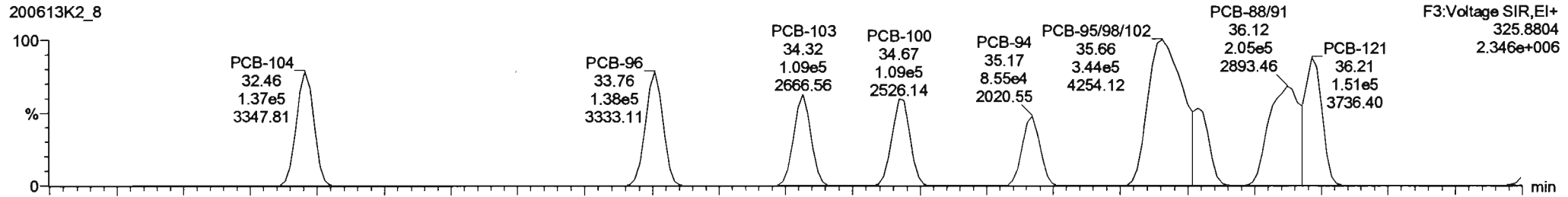
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Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

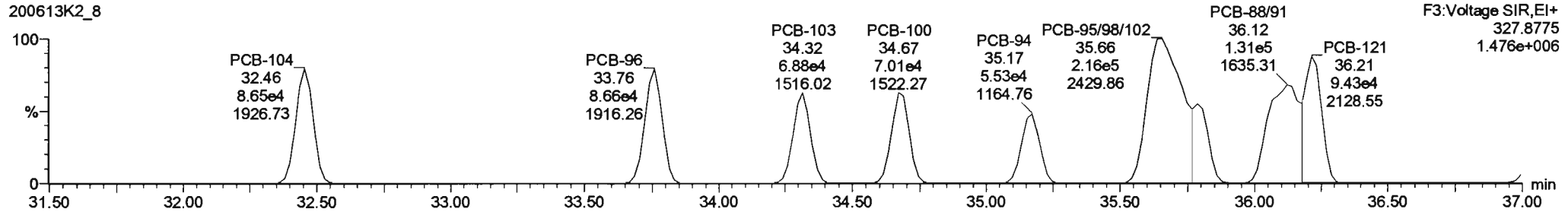
Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

**PCB-96**

200613K2\_8

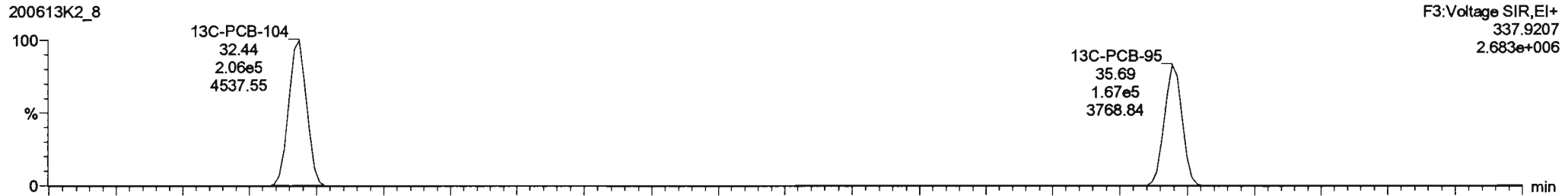


200613K2\_8

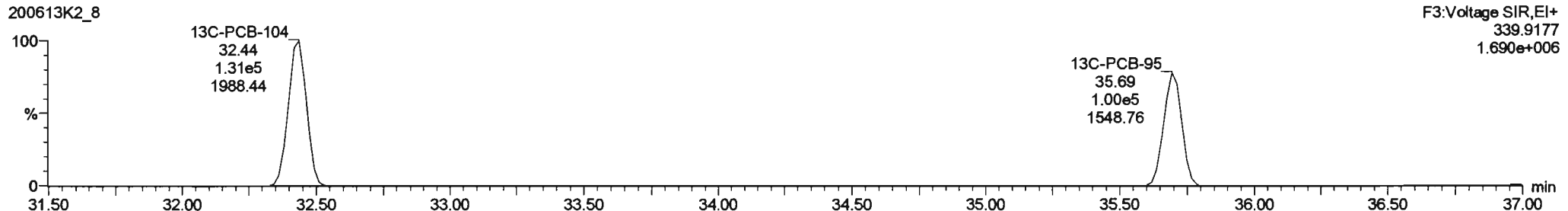


**13C-PCB-95**

200613K2\_8



200613K2\_8



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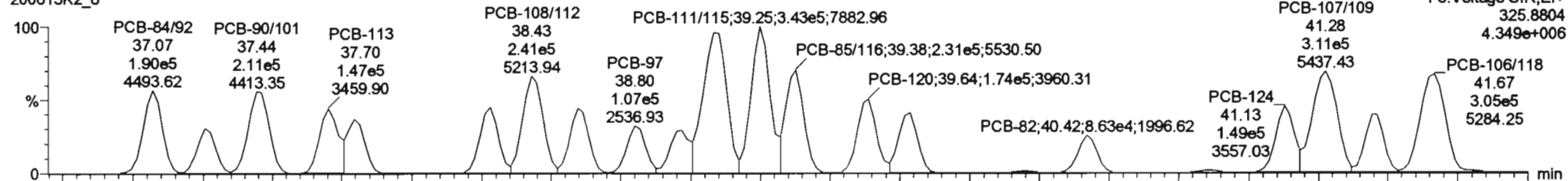
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time

Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

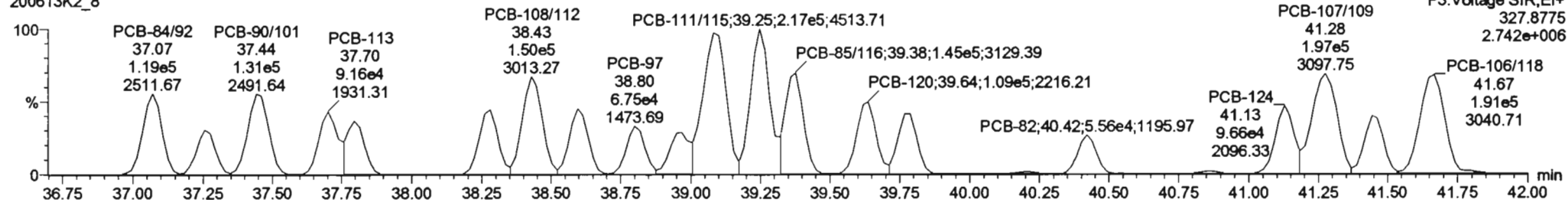
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PCB-119

200613K2\_8

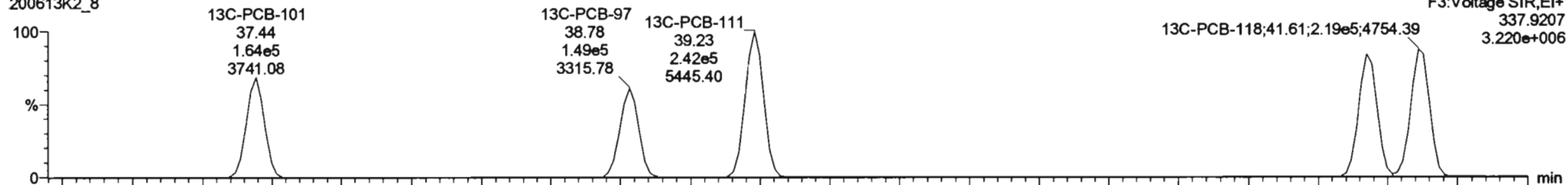


200613K2\_8

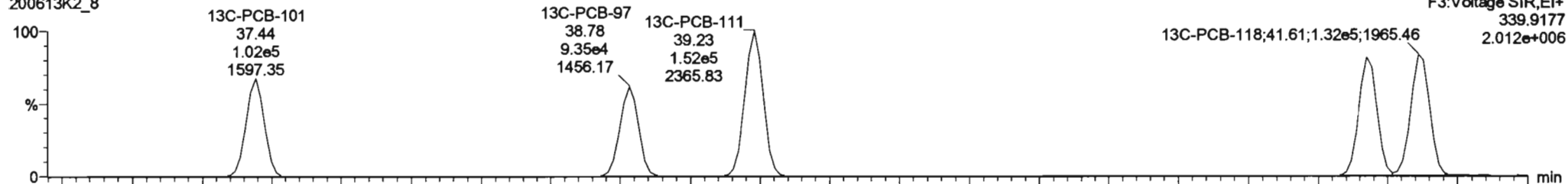


13C-PCB-111

200613K2\_8

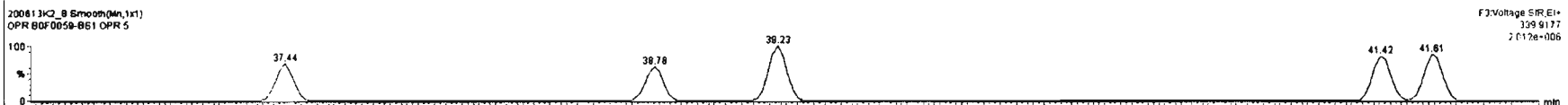
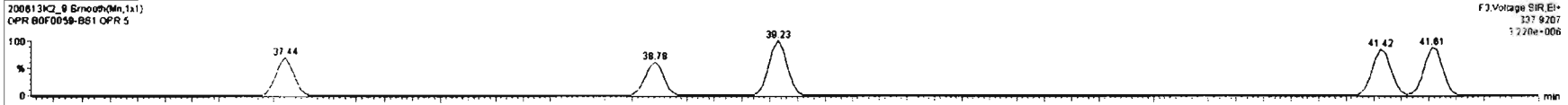
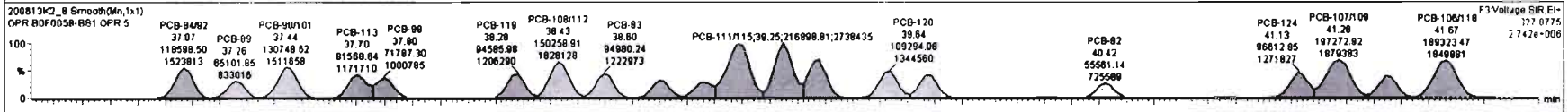


200613K2\_8



#	Name	Resp	RA	n/y	RF	wtVol	PredRT	RT	PredR...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
223	223 13C-PCB-178	2.27e5	0.45	NO	1.0508	5.000	45.85	45.85	0.823	0.823	NO	2089	103	2.96	
224	224 Total Mono-PCBs				1.1885	5.000	0.00		0.000		NO	3774		1.35	3774
225	225 Total Di-PCBs				1.0537	5.000	0.00		0.000		NO	14800		18.0	14800
226	226 2nd Function Tri-PCBs				1.0807	5.000	0.00		0.000		NO	8358		5.75	8358
227	227 3rd Function Tri-PCBs				0.9828	5.000	0.00		0.000		NO	18220		14.2	18220
228	228 Total Tetra-PCBs				1.0778	5.000	0.00		0.000		NO	50270		37.1	50270
229	229 3rd Function Penta-PCBs				1.3157	5.000	0.00		0.000		NO	4880		29.3	4880
230	230 4th Function Penta-PCBs				1.0735	5.000	0.00		0.000		NO	8339		7.19	8339
231	231 3rd Function Hexa-PCBs				0.8505	5.000	0.00		0.000		NO	15880		12.8	15880
232	232 4th Function Hexa-PCBs				1.0318	5.000	0.00		0.000		NO	32750		40.1	32750

#	Name	PredRT	RT	sd Resp	sd2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	54 PCB-104	32.48	32.48	1.374e5	8.852e4	1.580	1.58	NO	1185.3	1185.3
2	85 PCB-88	33.78	33.78	1.379e5	8.867e4	1.580	1.58	NO	1155.5	1155.5
3	86 PCB-103	34.34	34.32	1.091e5	8.880e4	1.580	1.58	NO	1128.1	1128.1
4	67 PCB-100	34.80	34.87	1.089e5	7.007e4	1.580	1.55	NO	1112.7	1112.7
5	88 PCB-84	35.18	35.17	9.548e4	5.531e4	1.580	1.55	NO	1107.9	1107.9
6	89 PCB-85/86/02	35.85	35.88	3.438e5	2.158e5	1.580	1.58	NO	3488.9	3488.9
7	70 PCB-83	35.77	35.78	8.215e4	5.207e4	1.580	1.80	NO	1079.8	1079.8

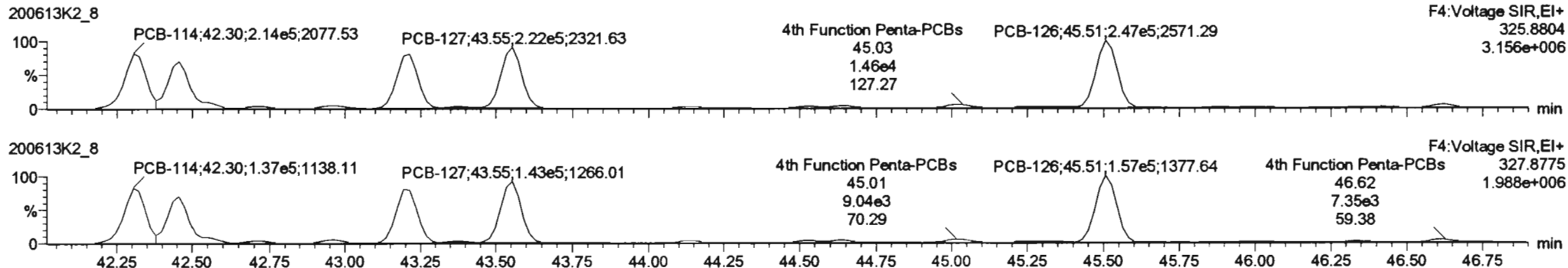


Dataset: Untitled

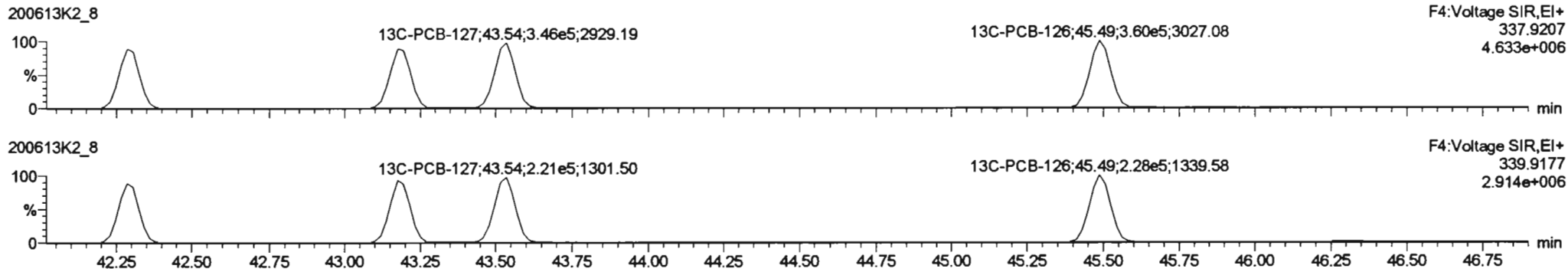
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
 Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

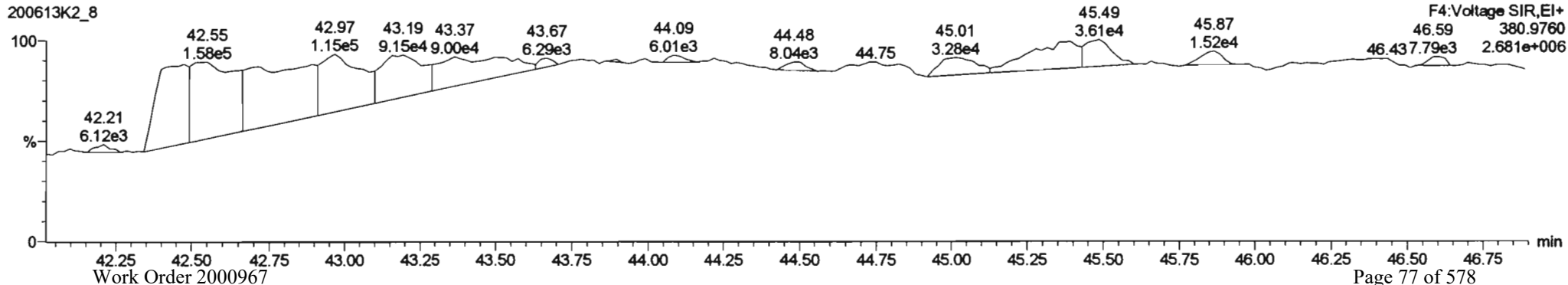
**PCB-114**

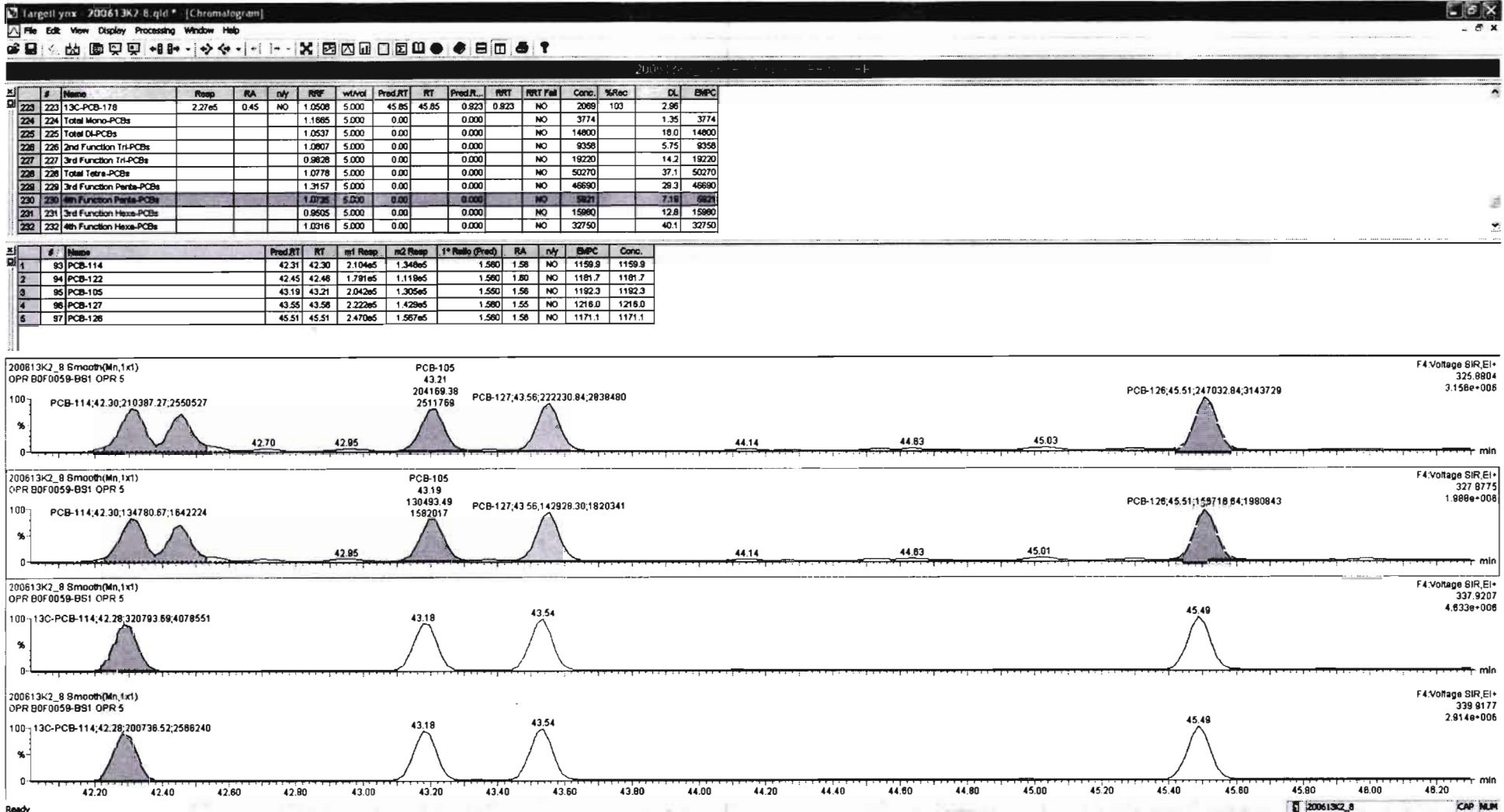


**13C-PCB-114**



**PFK4a**





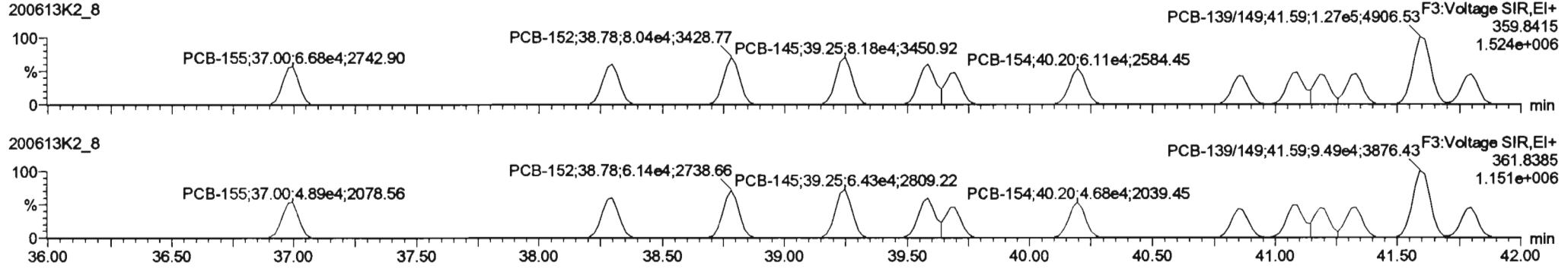
Dataset: Untitled

Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

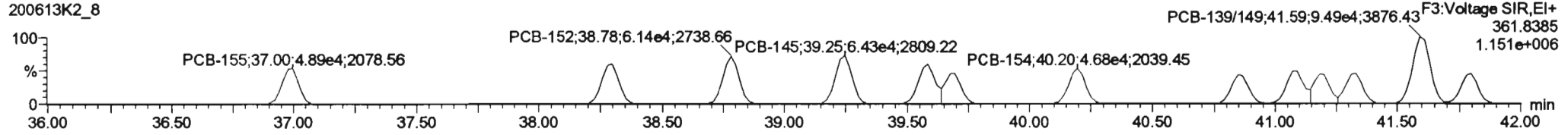
Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

**PCB-155**

200613K2\_8

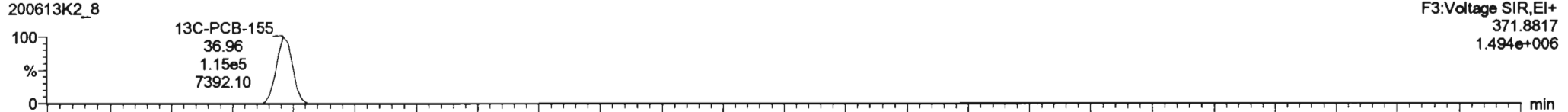


200613K2\_8

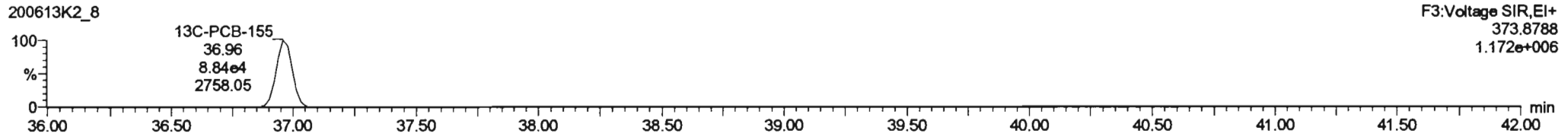


**13C-PCB-155**

200613K2\_8

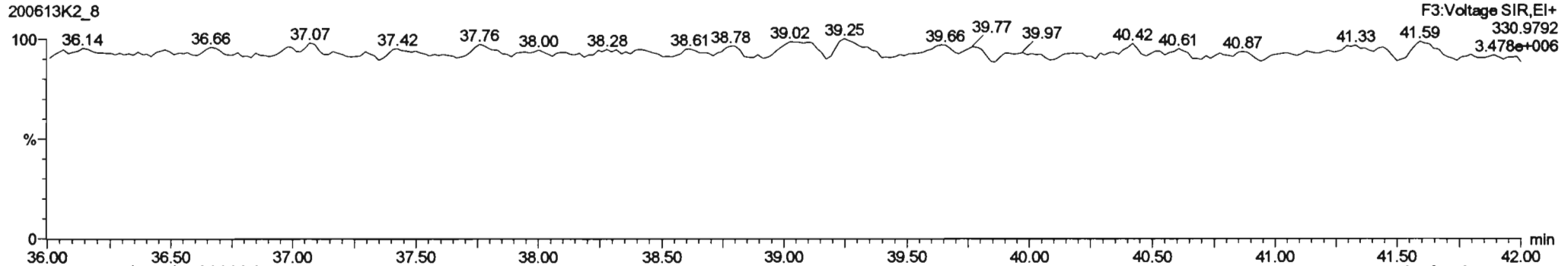


200613K2\_8



**PFK3c**

200613K2\_8

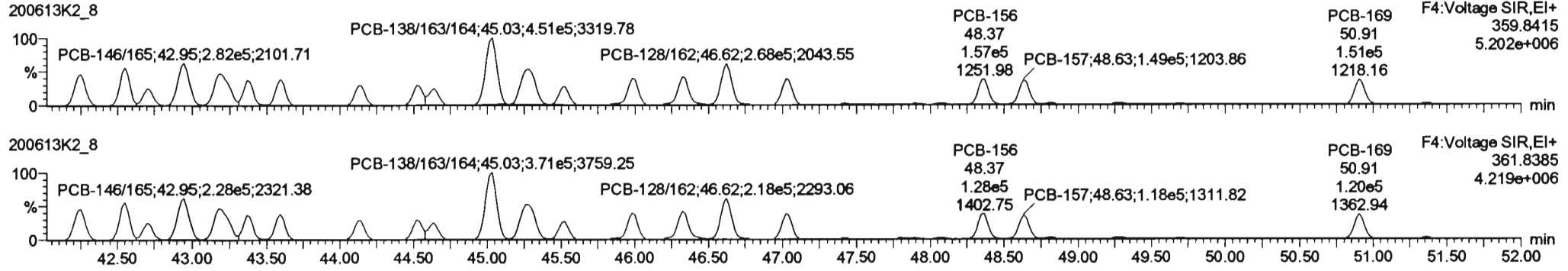


Dataset: Untitled

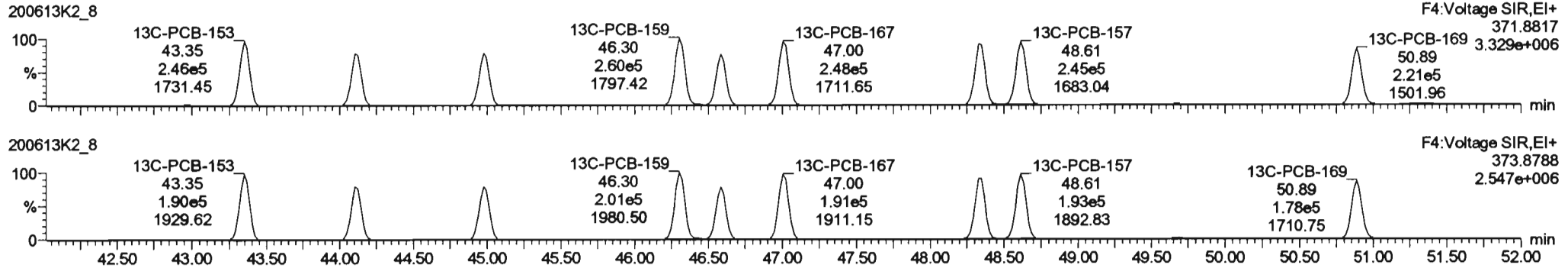
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
 Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

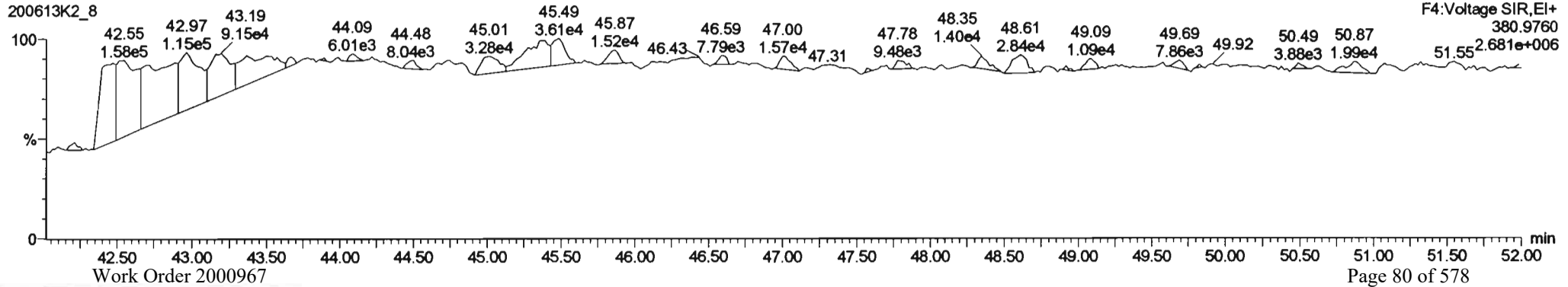
**PCB-134/143**



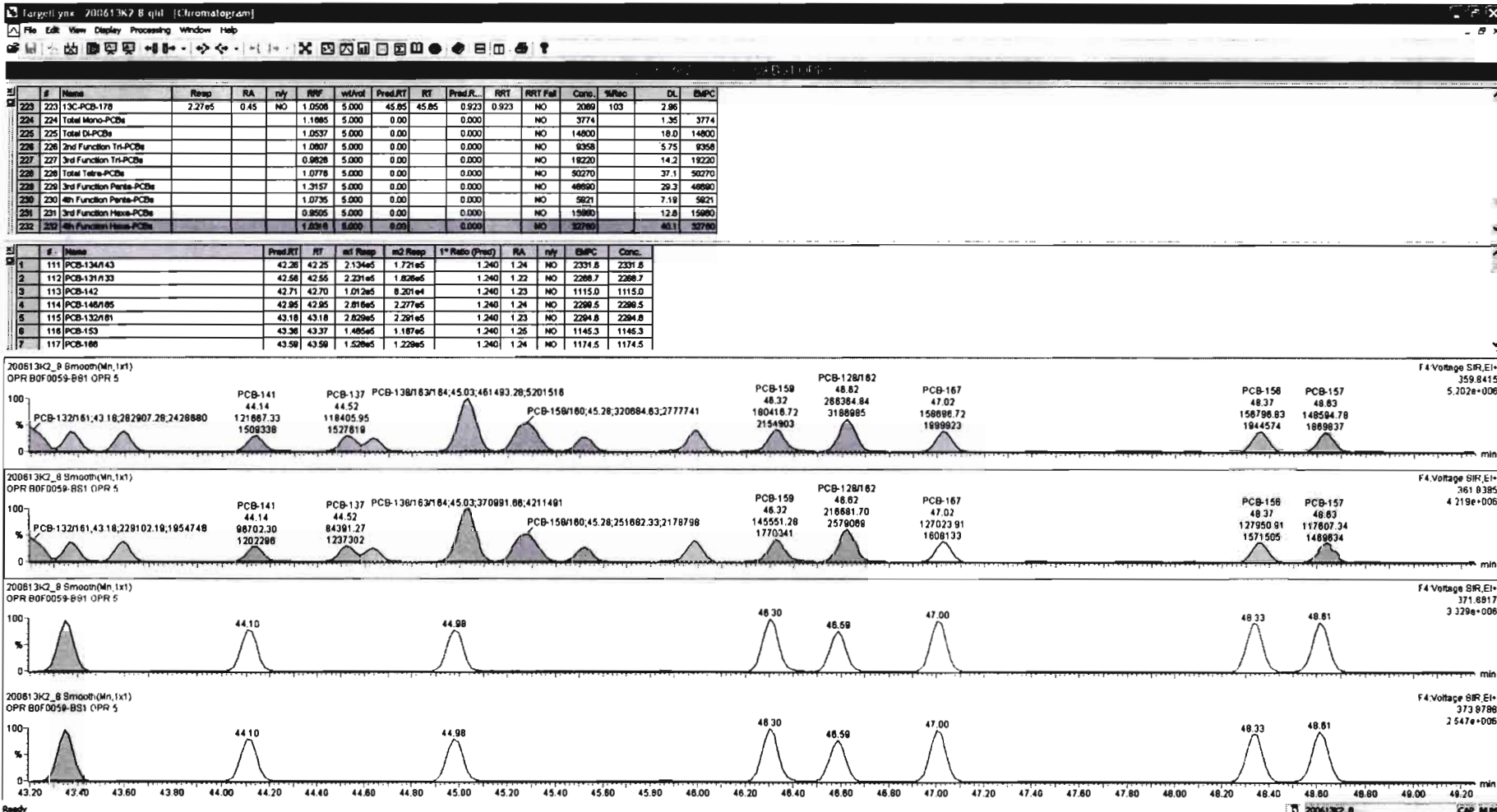
**13C-PCB-153**



**PFK4b**







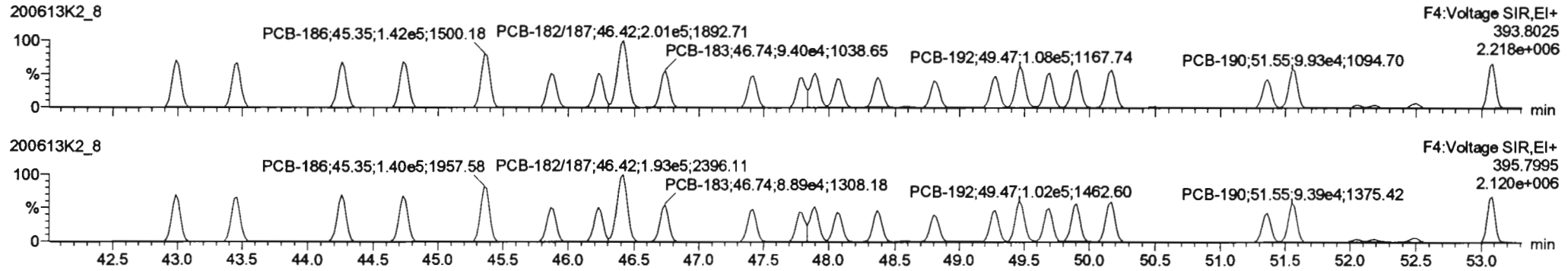
Dataset: Untitled

Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

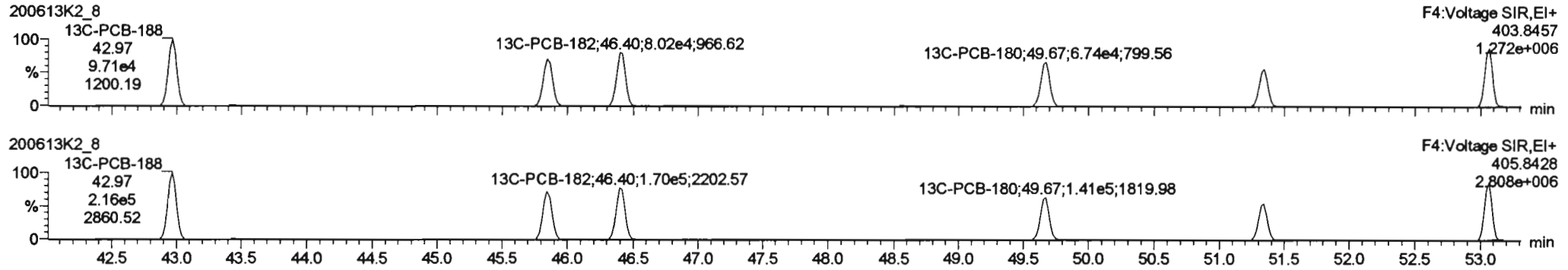
**PCB-188**

200613K2\_8



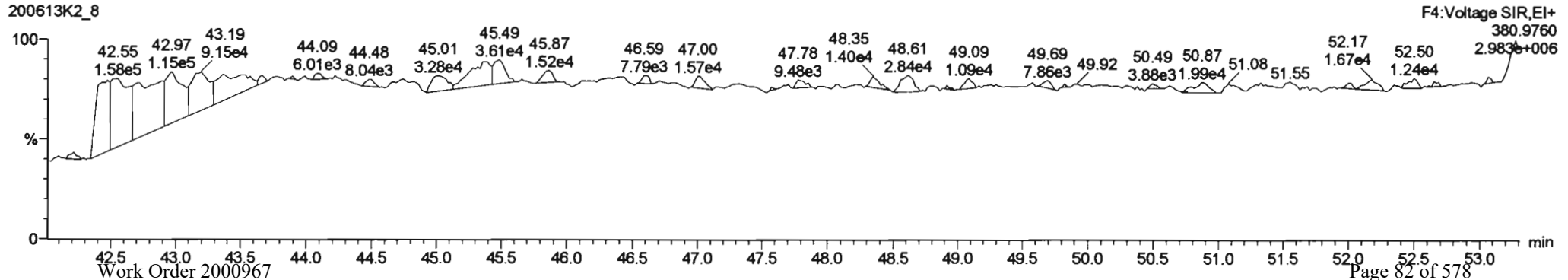
**13C-PCB-188**

200613K2\_8



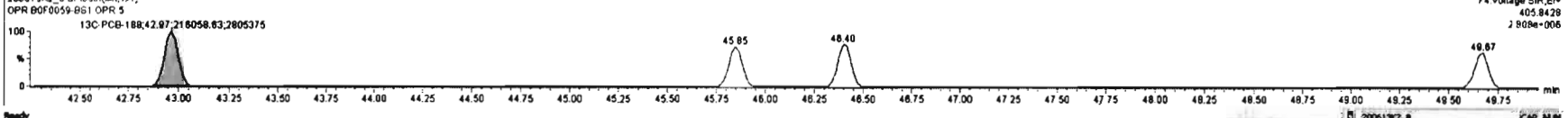
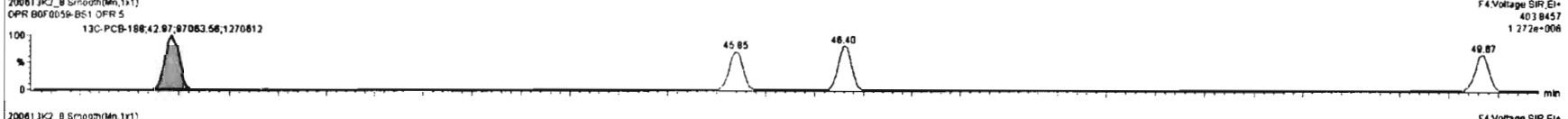
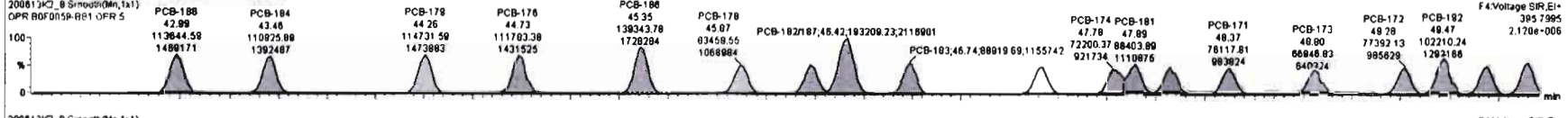
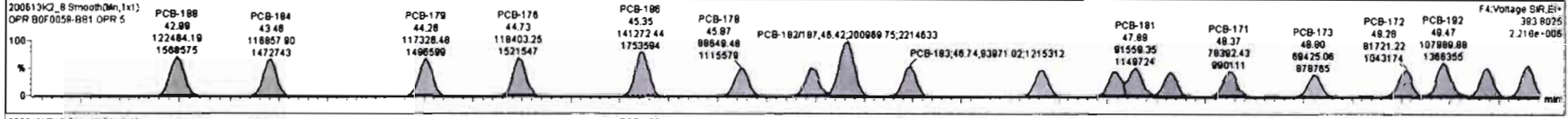
**PFK4c**

200613K2\_8



#	Name	Resp	RA	n/y	R/R	WtAvt	Prod RT	RT	Prod RT	RRT	RRT Fat	Conc.	%Rec	DL	BMPc
232	232 4th Function Hexa-PCBs				1.0316	5.000	0.00	0.000	0.000		NO	32780		40.1	32780
233	233 Total Hepta-PCBs				1.3881	5.000	0.00	0.000	0.000		NO	27540		40.0	27540
234	234 4th Function Octa-PCBs				1.0009	5.000	0.00	0.000	0.000		NO	10070		10.4	10070
235	235 5th Function Octa-PCBs				1.1480	5.000	0.00	0.000	0.000		NO	3458		7.12	3458
236	236 Total Nona-PCBs				0.8523	5.000	0.00	0.000	0.000		NO	3362		8.37	3362
237	237 Deca-CB				0.8884	5.000	0.00	0.000	0.000		NO	1147		0.229	1147
238	238 Total PCBs														
239	239 Total Mono-actopes														
240	240 Total Di-actopes														
241	241 2nd Function Tri-actopes														

#	Name	Prod RT	RT	act Resp	int2 Resp	I* Ratio (Prod)	RA	n/y	BMPc	Conc.
1	131 PCB-188	43.01	42.88	1.225e5	1.138e5	1.050	1.08	NO	1188.5	1188.5
2	132 PCB-184	43.44	43.48	1.188e5	1.108e5	1.060	1.05	NO	1181.3	1181.3
3	133 PCB-178	44.28	44.26	1.173e5	1.147e5	1.060	1.02	NO	1141.9	1141.9
4	134 PCB-176	44.72	44.73	1.164e5	1.118e5	1.050	1.08	NO	1123.5	1123.5
5	135 PCB-186	45.35	45.25	1.413e5	1.383e5	1.020	1.01	NO	1348.6	1348.6
6	136 PCB-178	45.87	45.87	8.285e4	8.348e4	1.050	1.08	NO	1185.5	1185.5
7	137 PCB-175	48.22	48.23	8.750e4	8.286e4	1.050	1.05	NO	1138.5	1138.5

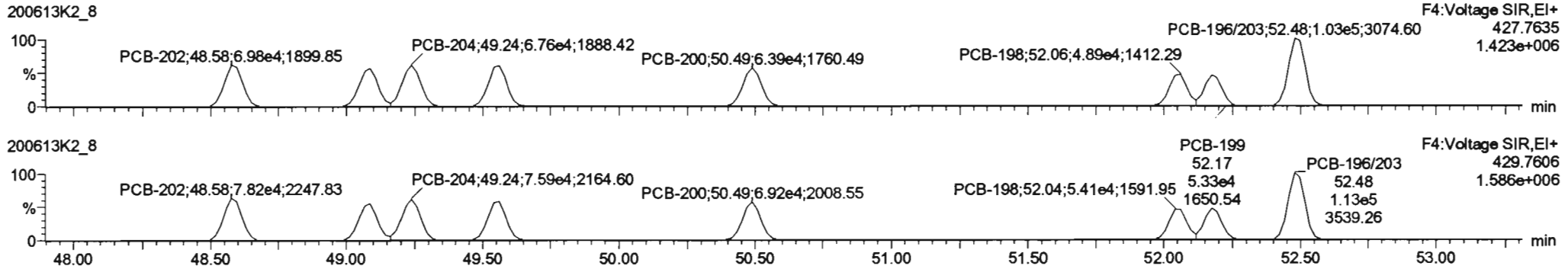


Dataset: Untitled

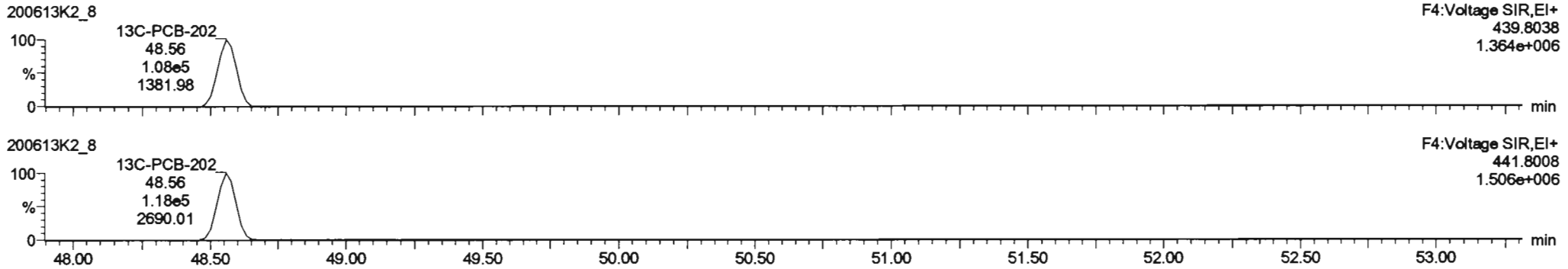
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
 Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

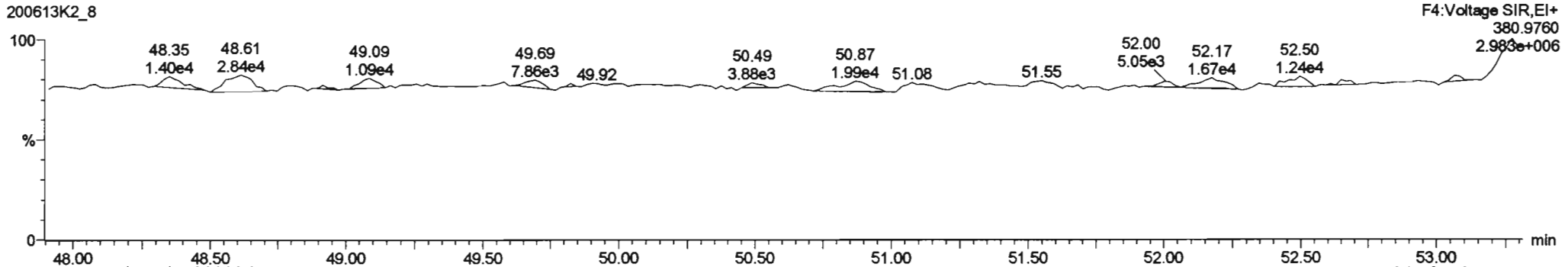
**PCB-202**



**13C-PCB-202**



**PFK4d**

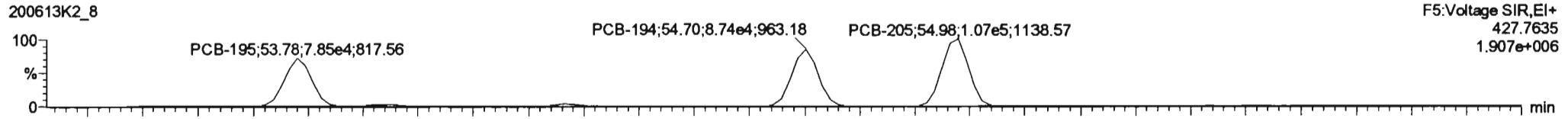


Dataset: Untitled

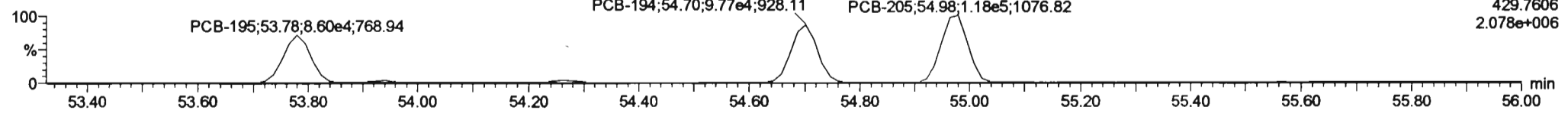
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

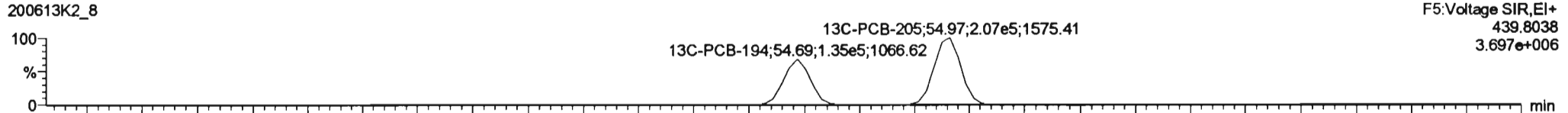
**PCB-195**



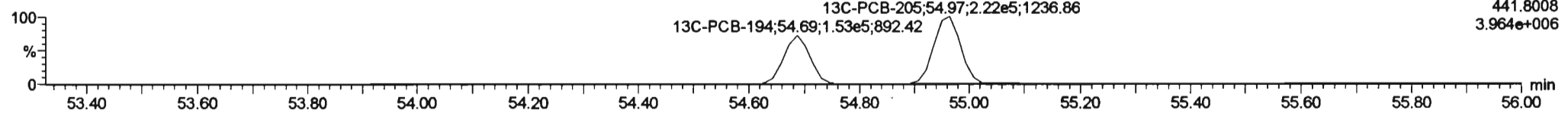
200613K2\_8



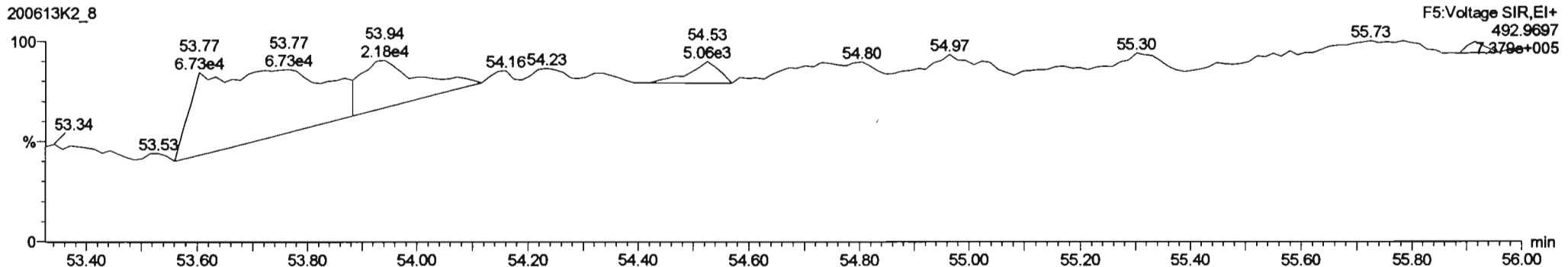
**13C-PCB-194**



200613K2\_8



**PFK5a**

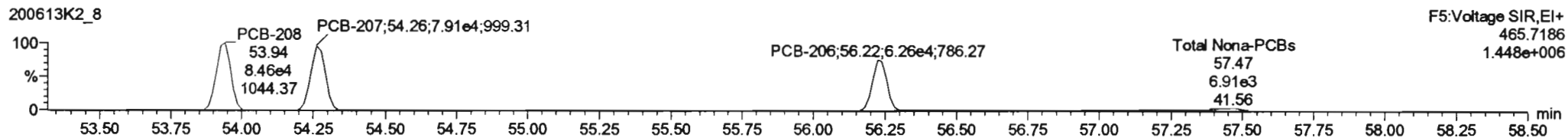
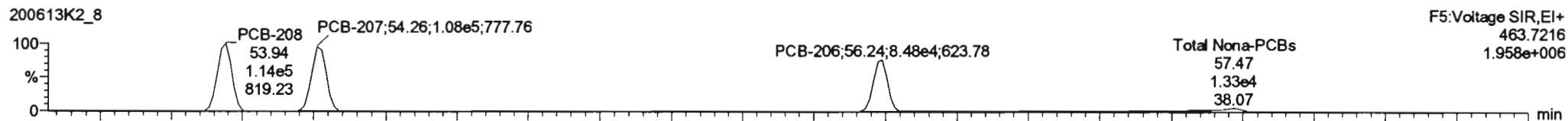


Dataset: Untitled

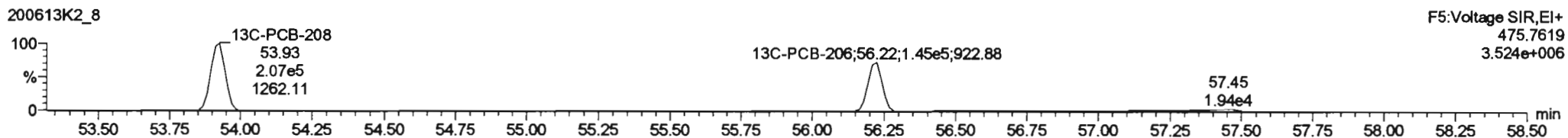
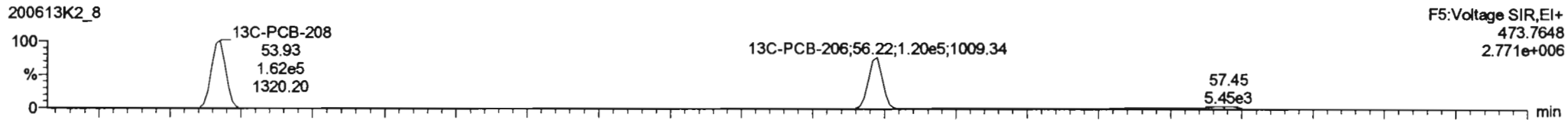
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
 Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

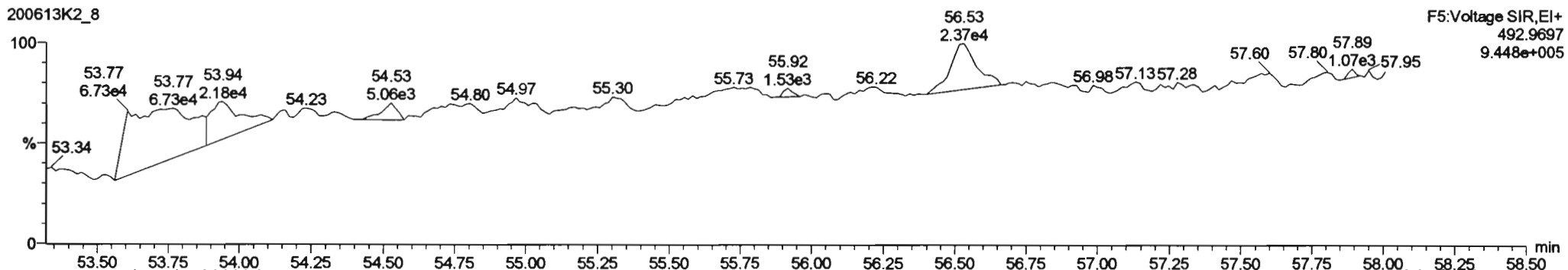
**PCB-208**



**13C-PCB-208**



**PFK5**



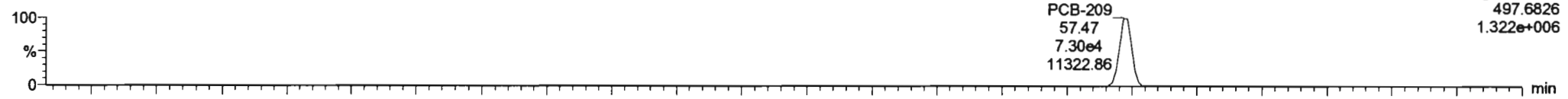
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Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_8, Date: 13-Jun-2020, Time: 21:52:36, ID: B0F0059-BS1 OPR 5, Description: OPR

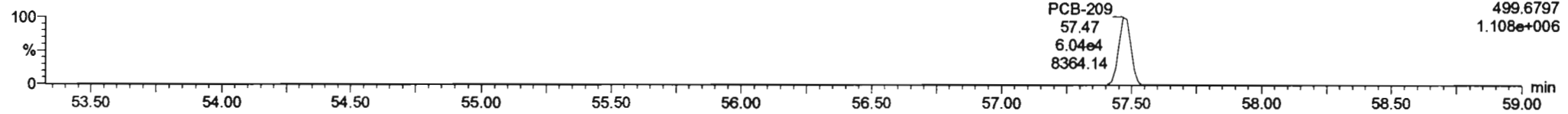
**PCB-209**

200613K2\_8



F5:Voltage SIR,EI+  
497.6826  
1.322e+006

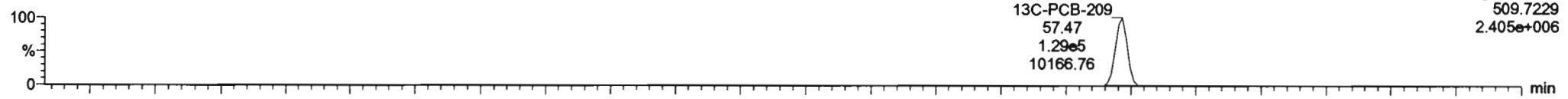
200613K2\_8



F5:Voltage SIR,EI+  
499.6797  
1.108e+006

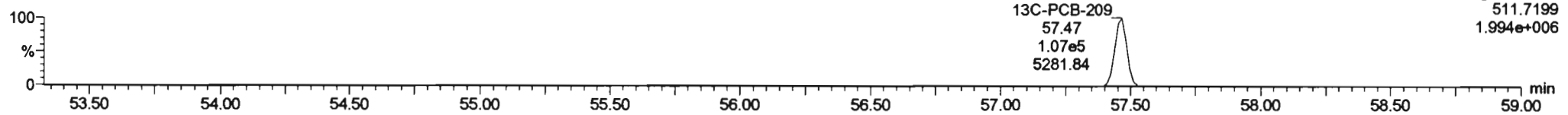
**13C-PCB-209**

200613K2\_8



F5:Voltage SIR,EI+  
509.7229  
2.405e+006

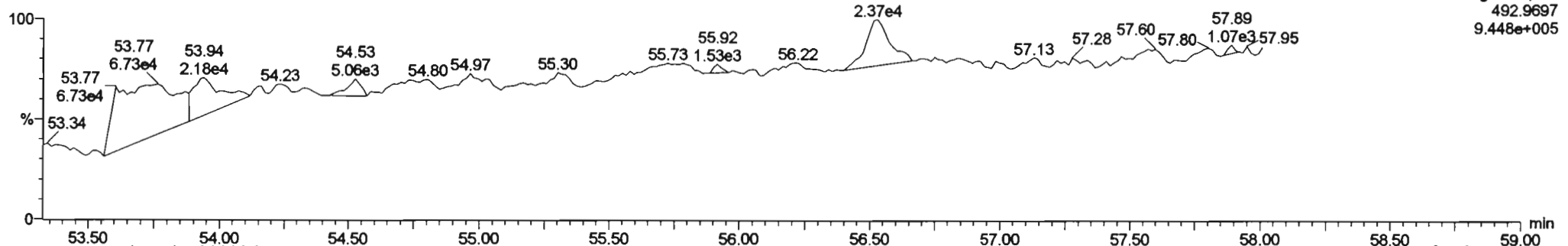
200613K2\_8



F5:Voltage SIR,EI+  
511.7199  
1.994e+006

**PFK5b**

200613K2\_8



F5:Voltage SIR,EI+  
492.9697  
9.448e+005

Dataset: U:\VG11.PRO\Results\200615K1\200615K1-10.qld

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Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_6-13-20.mdb 14 Jun 2020 13:31:38

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	18 PCB-34	3.57e3	1.19	NO	0.945	5.029	27.60	27.62	0.959	0.959	NO	6.697		0.910	6.697
2	19 PCB-23			NO	0.883	5.029	27.69		0.962		YES			0.975	
3	20 PCB-29			NO	0.893	5.029	27.95		0.971		YES			0.964	
4	21 PCB-26	6.54e4	1.03	NO	0.944	5.029	28.18	28.17	0.979	0.979	NO	122.9		0.912	122.9
5	22 PCB-25	5.58e4	1.05	NO	0.950	5.029	28.33	28.34	0.984	0.985	NO	104.1		0.906	104.1
6	23 PCB-31	2.89e5	1.01	NO	1.04	5.029	28.70	28.72	0.997	0.997	NO	494.2		0.830	494.2
7	24 PCB-28	3.03e5	1.00	NO	1.03	5.029	28.81	28.81	1.001	1.001	NO	524.1		0.840	524.1
8	25 PCB-20/21/33	1.53e5	1.05	NO	0.941	5.029	29.45	29.48	1.023	1.024	NO	287.8		0.914	287.8
9	26 PCB-22	7.47e4	1.00	NO	0.973	5.029	29.89	29.91	1.038	1.039	NO	136.1		0.885	136.1
10	27 PCB-36			NO	1.08	5.029	30.64		0.931		YES			0.960	
11	28 PCB-39			NO	0.988	5.029	31.13		0.946		YES			1.04	
12	29 PCB-38			NO	1.05	5.029	31.93		0.970		YES			0.982	
13	30 PCB-35			NO	1.04	5.029	32.47		0.987		YES			0.989	
14	31 PCB-37	8.46e4	1.01	NO	1.01	5.029	32.92	32.94	1.001	1.001	NO	155.7		1.02	155.7
15	32 PCB-54	3.88e3	0.83	NO	1.08	5.029	27.65	27.65	1.001	1.001	NO	8.326		0.477	8.326
16	33 PCB-50	1.43e3	0.88	NO	0.880	5.029	28.85	28.86	1.044	1.044	NO	3.770		0.586	3.770
17	34 PCB-53	4.69e4	0.73	NO	0.997	5.029	29.55	29.53	0.944	0.944	NO	128.0		0.654	128.0
18	35 PCB-51	1.69e4	0.73	NO	1.07	5.029	29.89	29.89	0.955	0.955	NO	43.20		0.612	43.20
19	36 PCB-45	3.54e4	0.75	NO	0.858	5.029	30.34	30.33	0.969	0.969	NO	112.3		0.760	112.3
20	37 PCB-46	1.43e4	0.72	NO	0.831	5.029	30.83	30.82	0.985	0.985	NO	46.77		0.785	46.77
21	38 PCB-52/69	4.25e5	0.77	NO	1.17	5.029	31.34	31.32	1.001	1.001	NO	991.9		0.559	991.9
22	39 PCB-73			NO	1.44	5.029	31.45		1.005		YES			0.452	
23	40 PCB-43/49	2.54e5	0.77	NO	1.02	5.029	31.63	31.64	1.010	1.011	NO	681.6		0.642	681.6
24	41 PCB-47	1.08e5	0.77	NO	0.922	5.029	31.86	31.86	1.001	1.001	NO	293.8		0.709	293.8
25	42 PCB-48/75	5.47e4	0.77	NO	1.12	5.029	31.97	31.99	1.004	1.005	NO	122.4		0.583	122.4
26	43 PCB-65			NO	1.28	5.029	32.24		1.013		YES			0.510	
27	44 PCB-62			NO	1.13	5.029	32.35		1.016		YES			0.579	
28	45 PCB-44			NO	0.824	5.029	32.69		1.027		YES			0.793	
29	46 PCB-42/59			NO	1.05	5.029	32.92		1.034		YES			0.622	
30	47 PCB-41/64/71/72	2.64e5	0.76	NO	1.19	5.029	33.53	33.53	1.053	1.053	NO	557.8		0.550	557.8



Dataset: U:\VG11.PRO\Results\200615K1\200615K1-10.qld

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Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	48 PCB-68	2.98e3	0.74	NO	1.28	5.029	33.78	33.78	1.061	1.061	NO	5.849		0.511	5.849
32	49 PCB-40			NO	0.602	5.029	34.01		1.068		YES			1.09	
33	50 PCB-57	3.32e3	0.74	NO	1.16	5.029	34.36	34.39	0.969	0.970	NO	8.098		0.493	8.098
34	51 PCB-67			NO	1.08	5.029	34.68		0.978		YES			0.529	
35	52 PCB-58			NO	1.20	5.029	34.80		0.982		YES			0.477	
36	53 PCB-63			NO	1.07	5.029	34.95		0.986		YES			0.535	
37	54 PCB-74	1.29e5	0.74	NO	1.19	5.029	35.25	35.26	0.994	0.995	NO	308.4		0.484	308.4
38	55 PCB-61/70	4.12e5	0.75	NO	1.05	5.029	35.47	35.47	1.000	1.001	NO	1107		0.544	1107
39	56 PCB-76/66	3.95e5	0.77	NO	1.16	5.029	35.66	35.67	1.006	1.006	NO	960.6		0.493	960.6
40	57 PCB-80			NO	1.19	5.029	35.90		1.001		YES			0.388	
41	58 PCB-55	4.67e3	0.55	YES	1.17	5.029	36.22	36.20	1.010	1.009	NO	8.259		0.384	6.726
42	59 PCB-56/60	2.17e5	0.76	NO	1.02	5.029	36.74	36.72	1.024	1.023	NO	440.7		0.452	440.7
43	60 PCB-79	7.03e3	0.61	YES	1.14	5.029	37.84	37.85	1.055	1.055	NO	12.78		0.404	11.12
44	61 PCB-78			NO	1.14	5.029	38.54		0.987		YES			0.443	
45	62 PCB-81			NO	1.05	5.029	39.08		1.000		YES			0.481	
46	63 PCB-77	3.62e4	0.77	NO	1.14	5.029	39.71	39.71	1.000	1.000	NO	70.42		0.454	70.42
47	64 PCB-104	4.34e2	1.73	NO	1.12	5.029	32.57	32.58	1.001	1.001	NO	1.494		0.495	1.494
48	65 PCB-96			NO	1.15	5.029	33.89		1.041		YES			0.482	
49	66 PCB-103			NO	0.936	5.029	34.46		1.059		YES			0.593	
50	67 PCB-100			NO	0.954	5.029	34.81		1.069		YES			0.583	
51	68 PCB-94	1.98e3	1.41	NO	0.949	5.029	35.23	35.23	0.985	0.985	NO	9.747		0.597	9.747
52	69 PCB-95/98/102	2.89e5	1.56	NO	1.20	5.029	35.71	35.77	0.999	1.001	NO	1121		0.470	1121
53	70 PCB-93			NO	0.935	5.029	35.83		1.002		YES			0.606	
54	71 PCB-88/91	5.36e4	1.58	NO	1.06	5.029	36.18	36.18	1.012	1.012	NO	234.7		0.532	234.7
55	72 PCB-121			NO	1.71	5.029	36.27		1.015		YES			0.331	
56	73 PCB-84/92	1.53e5	1.60	NO	1.02	5.029	37.12	37.11	0.990	0.990	NO	727.3		0.595	727.3
57	74 PCB-89	3.30e3	1.33	NO	1.11	5.029	37.29	37.29	0.995	0.995	NO	14.46		0.548	14.46
58	75 PCB-90/101	3.96e5	1.59	NO	1.12	5.029	37.50	37.52	1.000	1.001	NO	1704		0.539	1704
59	76 PCB-113			NO	1.51	5.029	37.74		1.007		YES			0.400	
60	77 PCB-99	1.75e5	1.58	NO	1.32	5.029	37.83	37.85	1.009	1.010	NO	639.3		0.458	639.3
61	78 PCB-119	1.75e4	1.45	NO	1.81	5.029	38.32	38.32	0.987	0.987	NO	52.77		0.374	52.77
62	79 PCB-108/112	1.61e4	1.64	NO	1.44	5.029	38.47	38.48	0.991	0.991	NO	60.52		0.468	60.52
63	80 PCB-83			NO	1.83	5.029	38.62		0.995		YES			0.369	

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Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
64	81 PCB-97	9.14e4	1.58	NO	1.28	5.029	38.84	38.86	1.000	1.001	NO	387.1		0.527	387.1
65	82 PCB-86			NO	1.12	5.029	38.99		1.004		YES			0.605	
66	83 PCB-87/117/125	1.32e5	1.57	NO	1.56	5.029	39.14	39.14	1.008	1.008	NO	458.4		0.433	458.4
67	84 PCB-111/115	6.79e3	1.52	NO	1.91	5.029	39.29	39.28	1.012	1.012	NO	19.32		0.354	19.32
68	85 PCB-85/116	5.21e4	1.57	NO	1.41	5.029	39.42	39.42	1.015	1.015	NO	200.6		0.479	200.6
69	86 PCB-120	2.57e3	1.72	NO	2.01	5.029	39.68	39.67	1.022	1.022	NO	6.957		0.337	6.957
70	87 PCB-110	4.88e5	1.57	NO	1.74	5.029	39.81	39.82	1.026	1.026	NO	1521		0.388	1521
71	88 PCB-82	2.96e4	1.54	NO	0.781	5.029	40.48	40.46	0.976	0.975	NO	152.2		0.661	152.2
72	89 PCB-124	1.42e4	1.54	NO	1.40	5.029	41.19	41.18	0.993	0.993	NO	40.94		0.370	40.94
73	90 PCB-107/109	3.09e4	1.51	NO	1.34	5.029	41.33	41.33	0.996	0.996	NO	92.66		0.385	92.66
74	91 PCB-123	5.83e3	1.51	NO	1.20	5.029	41.50	41.50	1.000	1.000	NO	19.56		0.431	19.56
75	92 PCB-106/118	3.58e5	1.58	NO	1.22	5.029	41.70	41.69	1.001	1.000	NO	1179		0.415	1179
76	93 PCB-114	8.39e3	1.35	NO	1.14	5.029	42.36	42.36	1.000	1.000	NO	20.48		0.747	20.48
77	94 PCB-122	4.39e3	1.46	NO	0.944	5.029	42.51	42.49	1.004	1.004	NO	12.96		0.902	12.96
78	95 PCB-105	1.37e5	1.63	NO	1.05	5.029	43.25	43.25	1.000	1.000	NO	367.8		0.817	367.8
79	96 PCB-127			NO	1.06	5.029	43.59		1.000		YES			0.789	
80	97 PCB-126	2.15e3	1.58	NO	1.17	5.029	45.56	45.56	1.000	1.000	NO	5.751		0.804	5.751
81	98 PCB-155			NO	1.04	5.029	37.03		1.000		YES			0.468	
82	99 PCB-150	9.21e2	1.39	NO	1.08	5.029	38.35	38.34	1.036	1.036	NO	7.246		0.451	7.246
83	1... PCB-152	3.00e2	1.39	NO	1.19	5.029	38.84	38.82	1.049	1.049	NO	2.157		0.412	2.157
84	1... PCB-145			NO	1.19	5.029	39.31		1.062		YES			0.411	
85	1... PCB-136	3.62e4	1.36	NO	1.02	5.029	39.64	39.62	1.071	1.070	NO	302.4		0.478	302.4
86	1... PCB-148			NO	0.842	5.029	39.75		1.074		YES			0.580	
87	1... PCB-154	6.14e3	1.38	NO	0.919	5.029	40.26	40.23	1.088	1.087	NO	56.90		0.532	56.90
88	1... PCB-151	4.54e4	1.26	NO	0.787	5.029	40.92	40.90	1.105	1.105	NO	492.0		0.621	492.0
89	1... PCB-135	2.62e4	1.41	NO	0.922	5.029	41.13	41.13	1.111	1.111	NO	242.0		0.530	242.0
90	1... PCB-144	7.81e3	1.17	NO	0.789	5.029	41.24	41.24	1.114	1.114	NO	84.41		0.619	84.41
91	1... PCB-147	4.02e3	1.10	NO	0.834	5.029	41.37	41.37	1.118	1.118	NO	41.04		0.585	41.04
92	1... PCB-139/149	1.58e5	1.31	NO	0.948	5.029	41.66	41.63	1.125	1.125	NO	1424		0.515	1424
93	1... PCB-140	1.71e3	1.37	NO	0.794	5.029	41.84	41.83	1.130	1.130	NO	18.39		0.615	18.39
94	1... PCB-134/143	2.27e4	1.25	NO	0.759	5.029	42.30	42.31	0.975	0.975	NO	84.44		0.789	84.44
95	1... PCB-131/133	1.67e4	1.12	NO	0.821	5.029	42.59	42.59	0.982	0.982	NO	57.46		0.730	57.46
96	1... PCB-142	3.37e2	1.08	NO	0.754	5.029	42.74	42.74	0.985	0.985	NO	1.261		0.794	1.261

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Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
97	1... PCB-146/165	1.07e5	1.24	NO	1.02	5.029	42.98	43.01	0.991	0.991	NO	296.0		0.589	296.0
98	1... PCB-132/161	1.46e5	1.21	NO	1.02	5.029	43.22	43.27	0.996	0.997	NO	403.8		0.585	403.8
99	1... PCB-153	5.62e5	1.23	NO	1.07	5.029	43.40	43.42	1.000	1.001	NO	1482		0.560	1482
100	1... PCB-168	1.24e3	1.41	NO	1.08	5.029	43.63	43.63	1.006	1.006	NO	3.250		0.556	3.250
101	1... PCB-141	8.49e4	1.20	NO	1.03	5.029	44.18	44.18	1.000	1.000	NO	286.8		0.706	286.8
102	1... PCB-137	1.42e4	1.21	NO	1.11	5.029	44.58	44.58	1.010	1.009	NO	44.29		0.653	44.29
103	1... PCB-130	2.54e4	1.22	NO	0.885	5.029	44.68	44.69	1.012	1.012	NO	99.42		0.819	99.42
104	1... PCB-138/163/164	5.56e5	1.23	NO	1.28	5.029	45.07	45.05	1.001	1.000	NO	1471		0.551	1471
105	1... PCB-158/160	5.35e4	1.24	NO	1.24	5.029	45.32	45.30	1.006	1.006	NO	146.5		0.570	146.5
106	1... PCB-129	1.40e4	1.19	NO	0.867	5.029	45.58	45.56	1.012	1.012	NO	54.82		0.816	54.82
107	1... PCB-166	1.71e3	1.31	NO	1.14	5.029	46.04	46.04	0.993	0.993	NO	4.235		0.538	4.235
108	1... PCB-159	7.01e3	1.27	NO	1.22	5.029	46.38	46.43	1.000	1.002	NO	16.29		0.505	16.29
109	1... PCB-128/162	6.50e4	1.29	NO	0.907	5.029	46.66	46.64	1.007	1.006	NO	202.6		0.677	202.6
110	1... PCB-167	1.90e4	1.22	NO	1.11	5.029	47.08	47.08	1.000	1.000	NO	48.60		0.529	48.60
111	1... PCB-156	4.75e4	1.24	NO	1.13	5.029	48.41	48.40	1.000	1.000	NO	124.0		0.552	124.0
112	1... PCB-157	9.31e3	1.27	NO	1.04	5.029	48.71	48.69	1.001	1.000	NO	26.05		0.599	26.05
113	1... PCB-169			NO	1.16	5.029	50.96		1.000		YES			0.583	
114	1... PCB-188	4.60e2	0.92	NO	1.29	5.029	43.04	43.02	1.001	1.000	NO	1.351		0.579	1.351
115	1... PCB-184	2.36e2	1.42	YES	1.23	5.029	43.47	43.48	1.011	1.011	NO	0.7262		0.607	0.6150
116	1... PCB-179	7.17e4	1.02	NO	1.30	5.029	44.30	44.29	1.030	1.030	NO	209.2		0.576	209.2
117	1... PCB-176	1.96e4	1.03	NO	1.31	5.029	44.76	44.79	1.041	1.041	NO	56.86		0.571	56.86
118	1... PCB-186	2.18e2	2.43	YES	1.33	5.029	45.39	45.43	1.055	1.056	NO	0.6204		0.562	0.3703
119	1... PCB-178	2.58e4	1.10	NO	0.943	5.029	45.91	45.92	1.067	1.068	NO	103.7		0.792	103.7
120	1... PCB-175	4.78e3	1.03	NO	0.956	5.029	46.26	46.28	1.076	1.076	NO	18.93		0.781	18.93
121	1... PCB-182/187	1.61e5	1.04	NO	1.07	5.029	46.44	46.43	1.080	1.080	NO	573.2		0.701	573.2
122	1... PCB-183	6.62e4	1.06	NO	1.02	5.029	46.78	46.78	1.088	1.088	NO	245.2		0.731	245.2
123	1... PCB-185	1.26e4	0.99	NO	1.41	5.029	47.46	47.46	0.955	0.955	NO	51.58		0.834	51.58
124	1... PCB-174	1.05e5	1.02	NO	1.35	5.029	47.84	47.84	0.962	0.962	NO	446.5		0.866	446.5
125	1... PCB-181			NO	1.47	5.029	47.93		0.964		YES			0.795	
126	1... PCB-177	6.32e4	1.10	NO	1.28	5.029	48.10	48.12	0.968	0.968	NO	284.6		0.918	284.6
127	1... PCB-171	2.81e4	1.07	NO	1.32	5.029	48.40	48.40	0.974	0.974	NO	123.0		0.891	123.0
128	1... PCB-173	2.03e3	0.94	NO	1.19	5.029	48.84	48.84	0.983	0.982	NO	9.803		0.986	9.803
129	1... PCB-172	1.67e4	1.10	NO	1.38	5.029	49.31	49.31	0.992	0.992	NO	69.77		0.853	69.77

Dataset: U:\VG11.PRO\Results\200615K1\200615K1-10.qld

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Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
130	1... PCB-192			NO	1.83	5.029	49.50		0.996		YES			0.642	
131	1... PCB-180	2.42e5	1.04	NO	1.41	5.029	49.73	49.73	1.000	1.000	NO	986.4		0.831	986.4
132	1... PCB-193	1.54e4	1.06	NO	1.68	5.029	49.94	49.94	1.005	1.005	NO	52.91		0.699	52.91
133	1... PCB-191	5.02e3	0.90	NO	1.71	5.029	50.20	50.21	1.010	1.010	NO	16.92		0.686	16.92
134	1... PCB-170	8.69e4	1.06	NO	1.40	5.029	51.40	51.40	1.000	1.000	NO	425.7		0.978	425.7
135	1... PCB-190	2.24e4	1.09	NO	1.85	5.029	51.58	51.61	1.004	1.004	NO	82.98		0.740	82.98
136	1... PCB-189	3.76e3	1.16	NO	1.45	5.029	53.12	53.12	1.000	1.000	NO	14.14		0.650	14.14
137	1... PCB-202	9.59e3	0.98	NO	1.17	5.029	48.63	48.63	1.001	1.001	NO	54.73		0.806	54.73
138	1... PCB-201	5.97e3	0.80	NO	1.05	5.029	49.12	49.13	1.011	1.011	NO	37.82		0.894	37.82
139	1... PCB-204			NO	1.14	5.029	49.26		1.014		YES			0.825	
140	1... PCB-197	1.73e3	1.02	NO	1.13	5.029	49.59	49.60	1.020	1.021	NO	10.19		0.831	10.19
141	1... PCB-200	5.95e3	0.99	NO	1.07	5.029	50.52	50.53	1.040	1.040	NO	37.08		0.880	37.08
142	1... PCB-198	1.40e3	0.83	NO	0.794	5.029	52.10	52.10	1.072	1.072	NO	11.80		1.19	11.80
143	1... PCB-199	3.27e4	0.88	NO	0.809	5.029	52.20	52.21	1.074	1.074	NO	269.5		1.16	269.5
144	1... PCB-196/203	3.46e4	0.94	NO	0.838	5.029	52.52	52.52	1.081	1.081	NO	275.4		1.12	275.4
145	1... PCB-195	1.26e4	0.88	NO	1.04	5.029	53.81	53.81	0.984	0.983	NO	87.13		1.21	87.13
146	1... PCB-194	2.87e4	0.89	NO	1.12	5.029	54.73	54.73	1.000	1.000	NO	186.5		1.13	186.5
147	1... PCB-205	1.57e3	1.01	NO	1.29	5.029	55.00	55.01	1.005	1.005	NO	8.802		0.980	8.802
148	1... PCB-208	8.76e3	1.22	NO	0.933	5.029	53.97	53.97	1.000	1.000	NO	41.44		0.736	41.44
149	1... PCB-207	4.06e3	1.53	NO	0.916	5.029	54.29	54.29	1.006	1.006	NO	19.57		0.749	19.57
150	1... PCB-206	1.75e4	1.30	NO	1.01	5.029	56.27	56.27	1.000	1.000	NO	132.3		1.09	132.3
151	1... PCB-209	2.50e4	1.14	NO	0.986	5.029	57.48	57.50	1.000	1.000	NO	172.8		0.481	172.8
152	1... 13C-PCB-1	9.44e5	3.07	NO	0.893	5.029	15.55	15.54	0.608	0.607	NO	4328	218	5.25	
153	1... 13C-PCB-3	1.05e6	3.28	NO	0.911	5.029	18.21	18.18	0.712	0.710	NO	4703	237	5.14	
154	1... 13C-PCB-4	7.40e5	1.58	NO	0.600	5.029	19.56	19.53	0.765	0.763	NO	5055	254	3.32	
155	1... 13C-PCB-9	1.25e6	1.57	NO	0.970	5.029	21.40	21.36	0.836	0.835	NO	5276	265	2.06	
156	1... 13C-PCB-11	1.14e6	1.55	NO	0.962	5.029	24.85	24.90	0.971	0.973	NO	4842	244	2.07	
157	1... 13C-PCB-19	6.14e5	1.03	NO	0.499	5.029	23.82	23.78	0.931	0.929	NO	5037	253	16.2	
158	1... 13C-PCB-32	9.40e5	1.05	NO	0.744	5.029	26.81	26.77	1.048	1.046	NO	5176	260	10.8	
159	1... 13C-PCB-28	1.12e6	0.99	NO	1.06	5.029	28.81	28.79	1.004	1.003	NO	1750	88.0	5.56	
160	1... 13C-PCB-37	1.07e6	1.03	NO	0.989	5.029	32.79	32.90	1.143	1.147	NO	1798	90.4	5.99	
161	1... 13C-PCB-54	8.59e5	0.78	NO	0.999	5.029	27.65	27.64	0.753	0.753	NO	1677	84.3	1.43	
162	1... 13C-PCB-52	7.30e5	0.79	NO	0.804	5.029	31.29	31.30	0.852	0.853	NO	1771	89.1	1.78	

} See dilution

Dataset: U:\VG11.PRO\Results\200615K1\200615K1-10.qld

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Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
163	1... 13C-PCB-47	7.93e5	0.79	NO	0.857	5.029	31.81	31.84	0.866	0.867	NO	1803	90.7	1.67	
164	1... 13C-PCB-70	7.02e5	0.78	NO	0.996	5.029	35.45	35.45	0.965	0.966	NO	1374	69.1	1.44	
165	1... 13C-PCB-80	9.61e5	0.79	NO	1.03	5.029	35.87	35.88	0.977	0.977	NO	1823	91.7	1.39	
166	1... 13C-PCB-81	9.29e5	0.79	NO	0.988	5.029	39.08	39.06	1.064	1.064	NO	1833	92.2	1.45	
167	1... 13C-PCB-77	8.99e5	0.78	NO	0.969	5.029	39.70	39.69	1.081	1.081	NO	1810	91.0	1.48	
168	1... 13C-PCB-104	5.14e5	1.61	NO	1.02	5.029	32.49	32.55	0.827	0.829	NO	1820	91.5	1.00	
169	1... 13C-PCB-95	4.26e5	1.65	NO	0.805	5.029	35.74	35.75	0.910	0.910	NO	1903	95.7	1.27	
170	1... 13C-PCB-101	4.11e5	1.62	NO	0.793	5.029	37.49	37.48	0.954	0.954	NO	1865	93.8	1.29	
171	1... 13C-PCB-97	3.66e5	1.69	NO	0.696	5.029	38.84	38.82	0.989	0.988	NO	1891	95.1	1.47	
172	1... 13C-PCB-123	4.94e5	1.62	NO	0.933	5.029	41.48	41.48	1.056	1.056	NO	1906	95.8	1.09	
173	1... 13C-PCB-118	4.96e5	1.63	NO	0.986	5.029	41.67	41.67	1.061	1.061	NO	1809	91.0	1.04	
174	1... 13C-PCB-114	7.14e5	1.58	NO	1.55	5.029	42.32	42.34	0.908	0.908	NO	1676	84.3	1.22	
175	1... 13C-PCB-105	7.06e5	1.55	NO	1.57	5.029	43.21	43.23	0.927	0.927	NO	1630	82.0	1.20	
176	1... 13C-PCB-127	7.33e5	1.55	NO	1.62	5.029	43.57	43.57	0.934	0.935	NO	1637	82.3	1.16	
177	1... 13C-PCB-126	6.34e5	1.55	NO	1.57	5.029	45.53	45.54	0.976	0.977	NO	1467	73.8	1.20	
178	1... 13C-PCB-155	2.33e5	1.28	NO	0.615	5.029	37.01	37.01	0.942	0.942	NO	1365	68.7	0.710	
179	1... 13C-PCB-153	7.04e5	1.28	NO	1.36	5.029	43.37	43.38	0.930	0.931	NO	1871	94.1	1.55	
180	1... 13C-PCB-141	5.74e5	1.29	NO	1.13	5.029	44.14	44.16	0.947	0.947	NO	1846	92.8	1.87	
181	1... 13C-PCB-138	5.86e5	1.26	NO	1.18	5.029	45.01	45.03	0.965	0.966	NO	1795	90.3	1.78	
182	1... 13C-PCB-159	7.03e5	1.28	NO	1.44	5.029	46.33	46.36	0.994	0.994	NO	1772	89.1	1.47	
183	2... 13C-PCB-167	7.01e5	1.26	NO	1.44	5.029	47.04	47.06	1.009	1.009	NO	1765	88.8	1.47	
184	2... 13C-PCB-156	6.76e5	1.29	NO	1.40	5.029	48.36	48.39	1.037	1.038	NO	1756	88.3	1.51	
185	2... 13C-PCB-157	6.84e5	1.28	NO	1.40	5.029	48.65	48.67	1.043	1.044	NO	1778	89.4	1.51	
186	2... 13C-PCB-169	6.17e5	1.26	NO	1.33	5.029	50.93	50.94	1.092	1.093	NO	1682	84.6	1.59	
187	2... 13C-PCB-188	5.25e5	0.45	NO	1.41	5.029	43.01	43.01	0.926	0.926	NO	1872	94.2	1.16	
188	2... 13C-PCB-180	3.45e5	0.45	NO	0.929	5.029	49.71	49.71	1.070	1.070	NO	1869	94.0	1.77	
189	2... 13C-PCB-170	2.90e5	0.45	NO	0.794	5.029	51.39	51.38	1.106	1.106	NO	1834	92.2	2.06	
190	2... 13C-PCB-189	3.65e5	0.47	NO	1.04	5.029	53.13	53.10	1.144	1.143	NO	1755	88.2	1.57	
191	2... 13C-PCB-202	2.98e5	0.95	NO	1.04	5.029	48.61	48.59	1.046	1.046	NO	1447	72.8	0.921	
192	2... 13C-PCB-194	2.75e5	0.88	NO	0.768	5.029	54.74	54.72	0.995	0.995	NO	2057	103	5.00	
193	2... 13C-PCB-208	4.50e5	0.75	NO	0.991	5.029	53.96	53.96	0.981	0.981	NO	2615	132	2.96	
194	2... 13C-PCB-206	2.61e5	0.76	NO	0.552	5.029	56.25	56.25	1.023	1.023	NO	2721	137	5.32	
195	2... 13C-PCB-209	2.91e5	1.19	NO	0.396	5.029	57.51	57.48	1.046	1.045	NO	4227	213	1.13	

*2-see dilution*

Dataset: U:\VG11.PRO\Results\200615K1\200615K1-10.qld

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Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
196	2... 13C-PCB-15	4.85e5	1.57	NO	1.00	5.029	25.51	25.59	1.000	0.000	NO	1988	100	1.99	
197	2... 13C-PCB-31	1.20e6	1.02	NO	1.00	5.029	28.64	28.70	1.000	0.000	NO	1988	100	5.92	
198	2... 13C-PCB-60	1.02e6	0.78	NO	1.00	5.029	36.66	36.72	1.000	0.000	NO	1988	100	1.43	
199	2... 13C-PCB-111	5.53e5	1.63	NO	1.00	5.029	39.23	39.28	1.000	0.000	NO	1988	100	1.02	
200	2... 13C-PCB-128	5.48e5	1.27	NO	1.00	5.029	46.59	46.62	1.000	0.000	NO	1988	100	2.11	
201	2... 13C-PCB-182	3.96e5	0.45	NO	1.00	5.029	46.40	46.45	0.000	0.000	NO	1988	100	1.64	
202	2... 13C-PCB-205	3.46e5	0.90	NO	1.00	5.029	54.97	54.99	1.000	0.000	NO	1988	100	3.84	
203	2... 13C-PCB-79	1.05e6	0.76	NO	1.07	5.029	37.82	37.81	1.030	1.030	NO	1923	96.7	1.34	
204	2... 13C-PCB-178	3.76e5	0.46	NO	0.766	5.029	45.90	45.88	0.988	0.988	NO	1778	89.4	1.53	
205	2... 13C-PCB-79	1.05e6	0.76	NO	1.08	5.029	37.80	37.81	0.968	0.968	NO	2086	105	1.53	
206	2... 13C-PCB-178	3.76e5	0.46	NO	1.05	5.029	45.89	45.88	0.923	0.923	NO	2058	103	1.79	
207	2... Total Mono-PCBs				1.17	5.029	0.00		0.000		NO	59.24		1.26	59.24
208	2... Total Di-PCBs				1.05	5.029	0.00		0.000		NO	348.0		10.8	348.0
209	2... 2nd Function Tri-PCBs				1.08	5.029	0.00		0.000		NO	616.3	> 889 =	4.33	616.3
210	2... 3rd Function Tri-PCBs				0.983	5.029	0.00		0.000		NO	1832	2721	13.1	1832
211	2... Total Tetra-PCBs				1.08	5.029	0.00		0.000		NO	5890		18.0	5908
212	2... 3rd Function Penta-PCBs				1.32	5.029	0.00		0.000		NO	8643	> 9050 -	13.8	8643
213	2... 4th Function Penta-PCBs				1.07	5.029	0.00		0.000		NO	407.0		4.06	407.0
214	2... 3rd Function Hexa-PCBs				0.951	5.029	0.00		0.000		NO	2670	> 7523 -	6.82	2670
215	2... 4th Function Hexa-PCBs				1.03	5.029	0.00		0.000		NO	4853		12.7	4853
216	2... Total Hepta-PCBs				1.36	5.029	0.00		0.000		NO	3773		17.3	3774
217	2... 4th Function Octa-PCBs				1.00	5.029	0.00		0.000		NO	696.5	> 978.9 -	7.71	696.5
218	2... 5th Function Octa-PCBs				1.15	5.029	0.00		0.000		NO	282.4		3.32	282.4
219	2... Total Nona-PCBs				0.952	5.029	0.00		0.000		NO	193.3		2.57	193.3
220	2... Deca-CB				0.986	5.029	0.00		0.000		NO	172.8		0.481	172.8
221	2... Total PCBs														

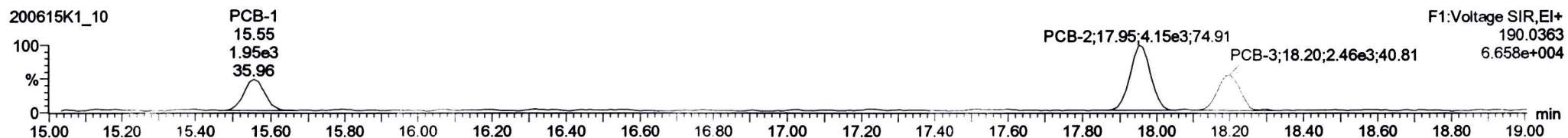
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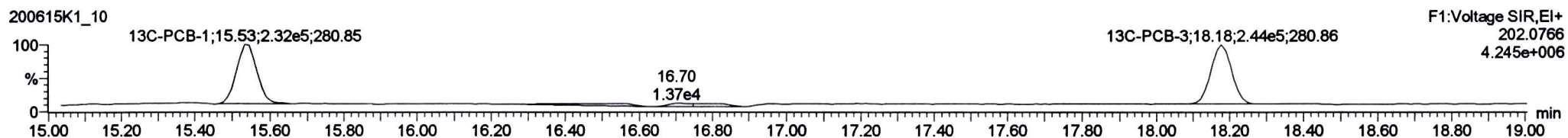
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Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

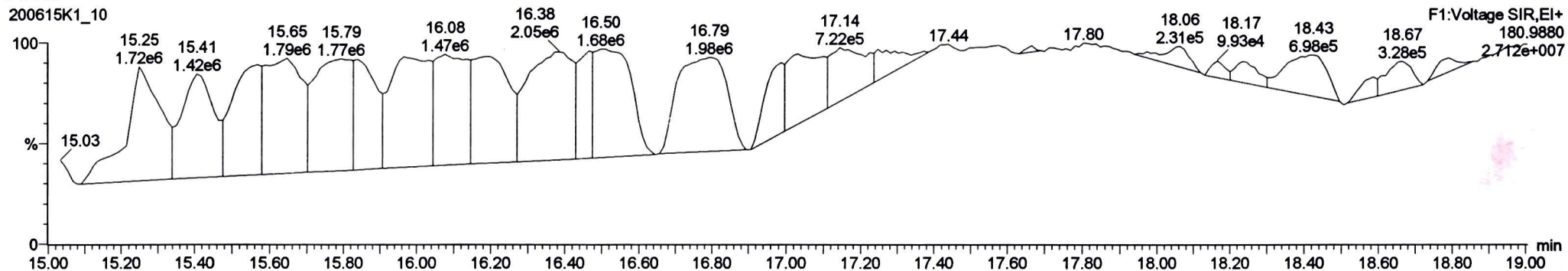
**PCB-1**



**13C-PCB-1**



**PFK1**



Dataset: Untitled

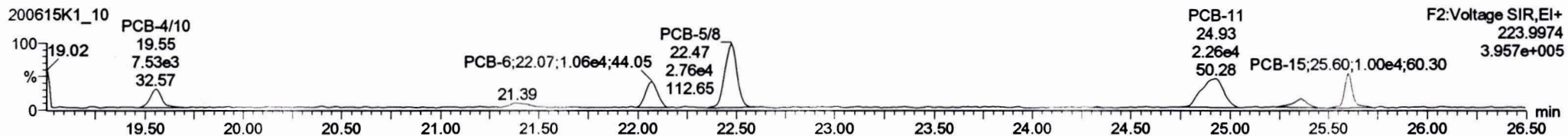
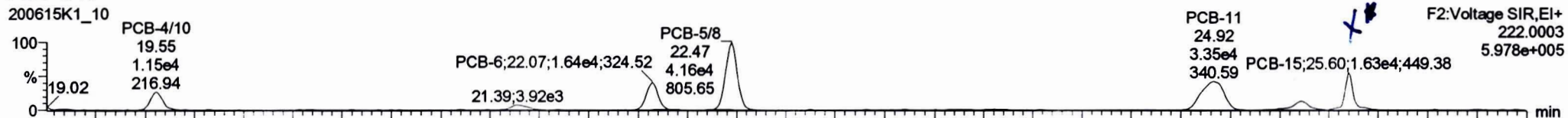
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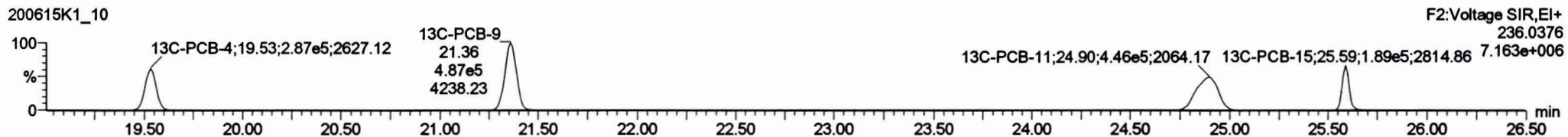
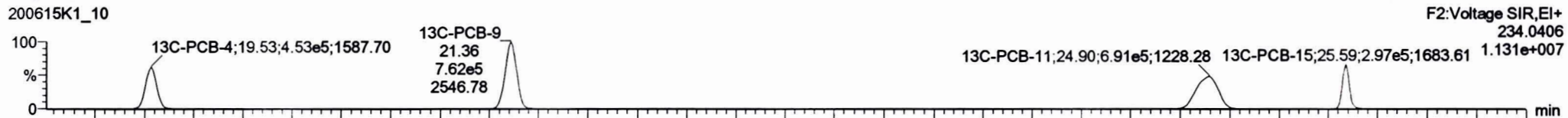
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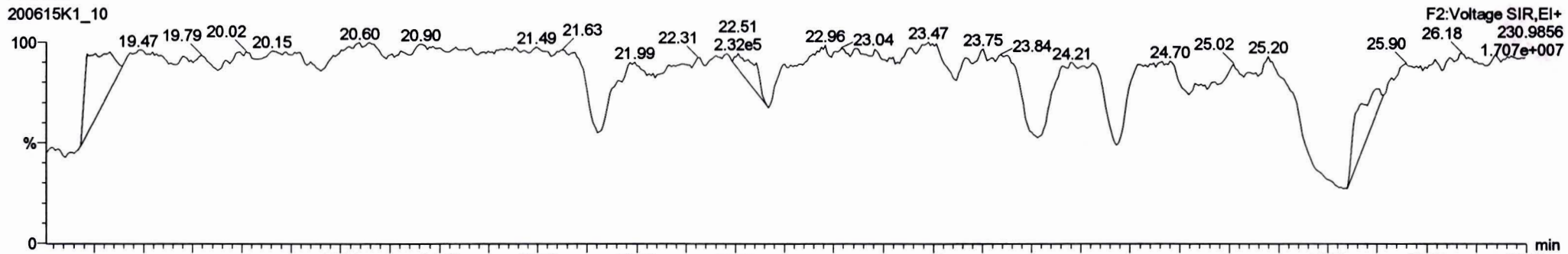
**PCB-4/10**



**13C-PCB-4**



**PFK2a**





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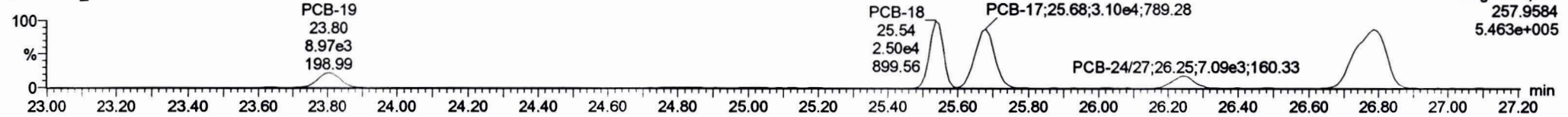
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**PCB-19**

200615K1\_10

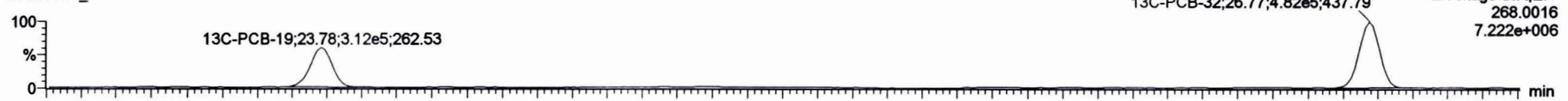


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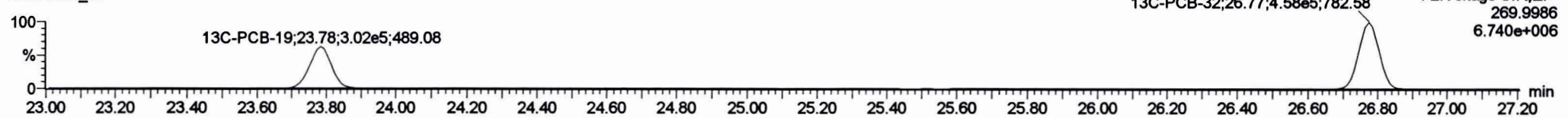


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200615K1\_10

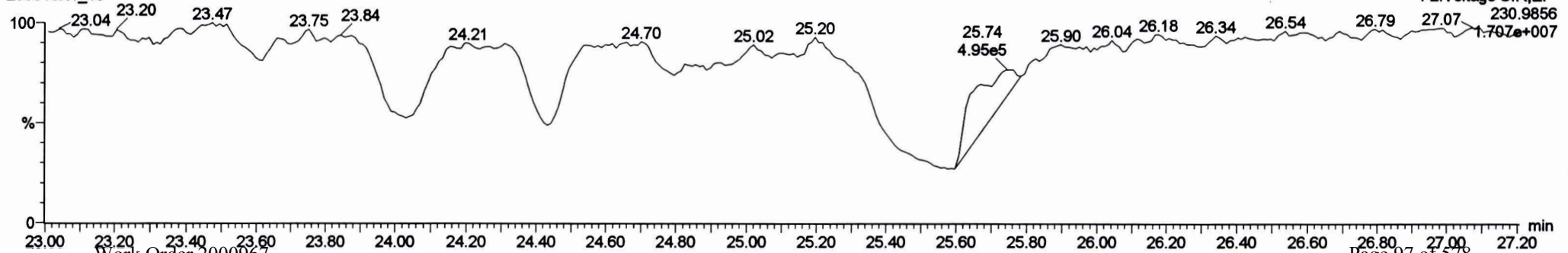


200615K1\_10



**PFK2b**

200615K1\_10

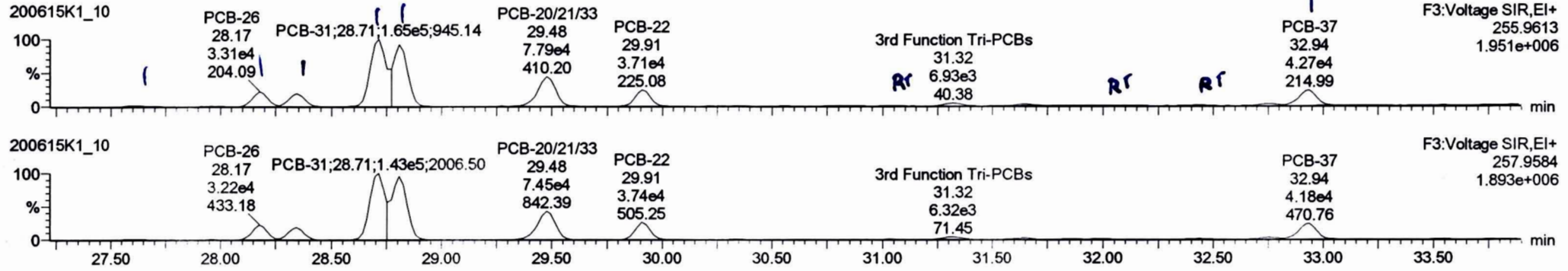


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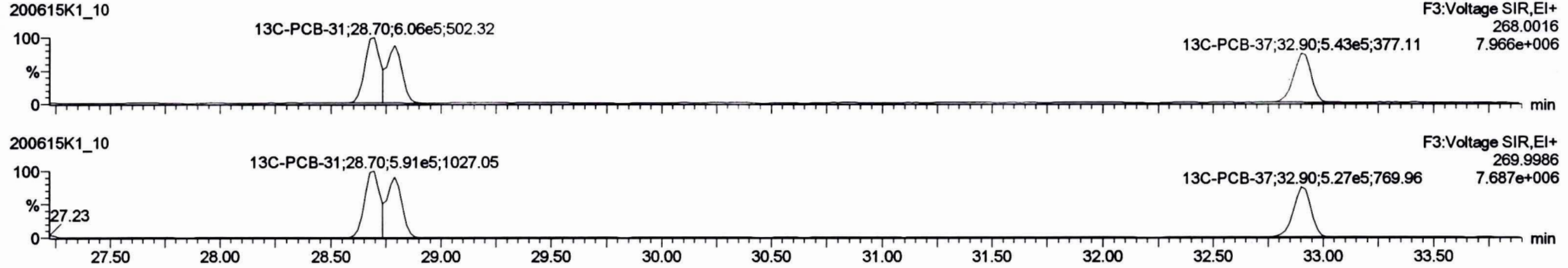
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Printed: Tuesday, June 16, 2020 08:16:03 Pacific Daylight Time

Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

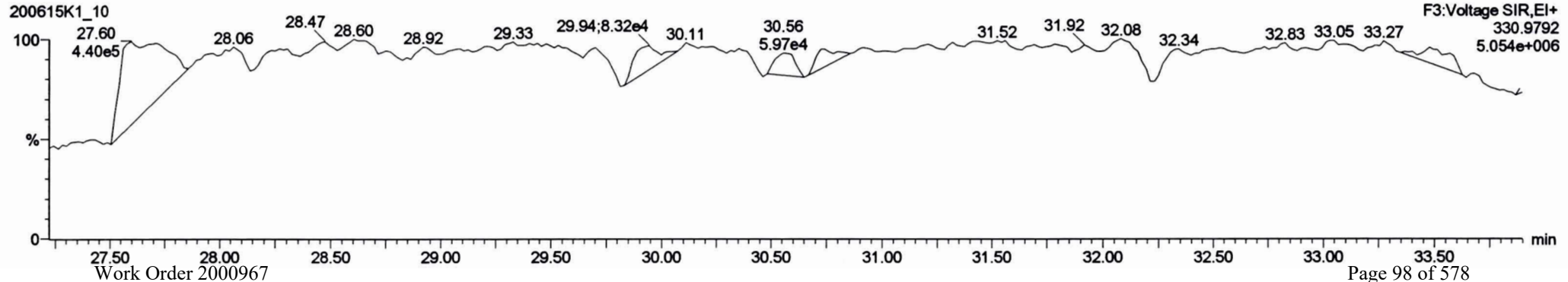
**PCB-34**



**13C-PCB-28**

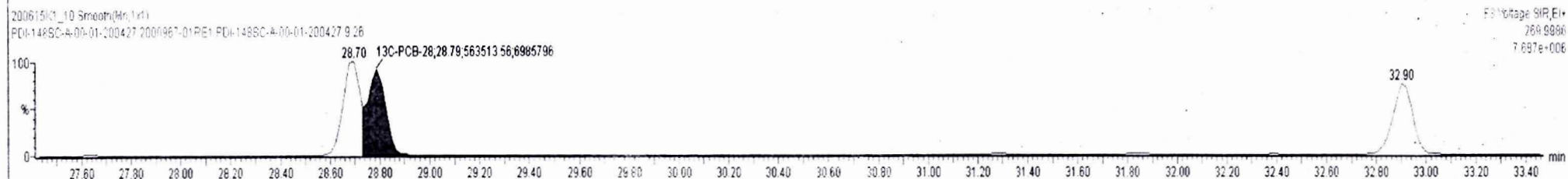
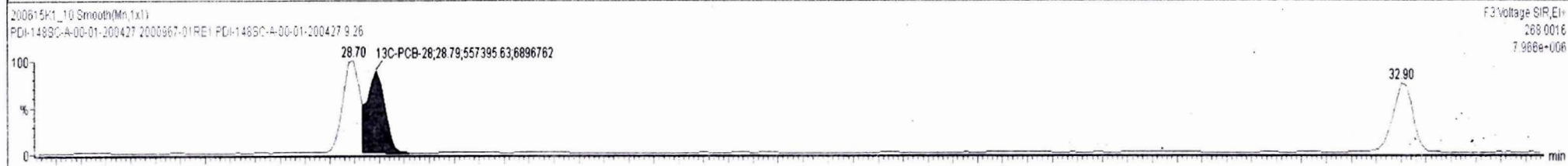
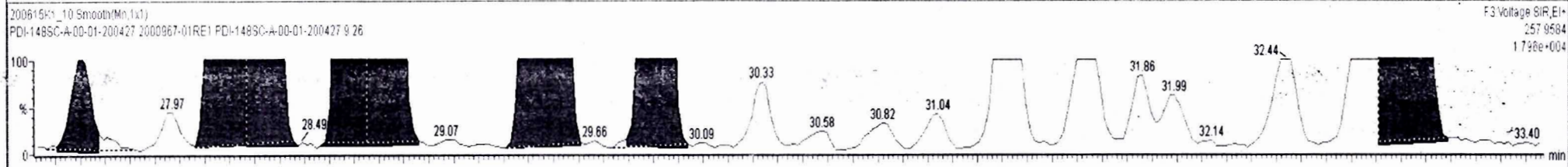
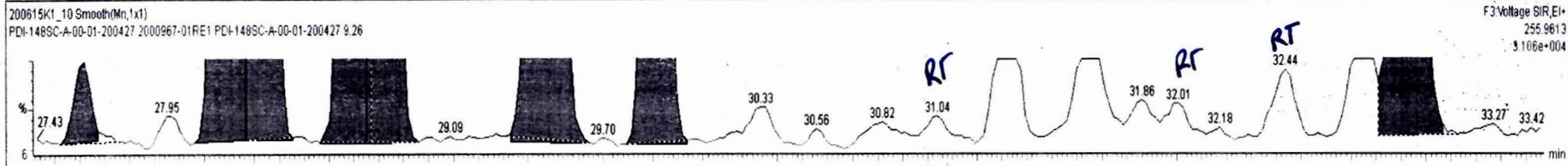


**PFK3d**



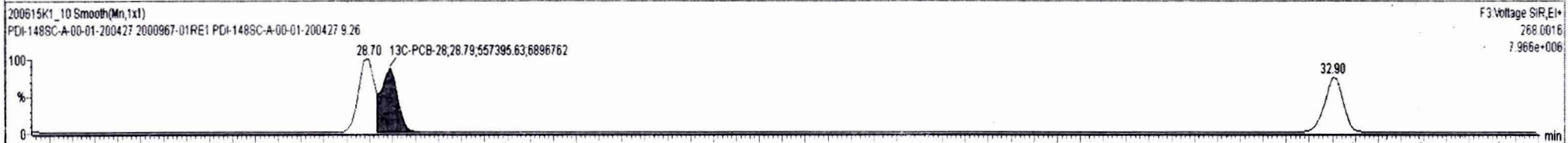
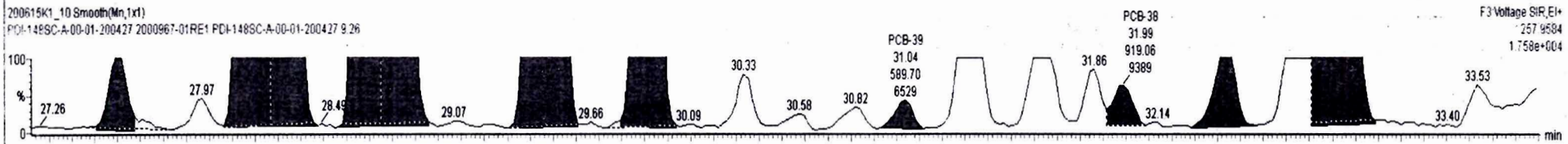
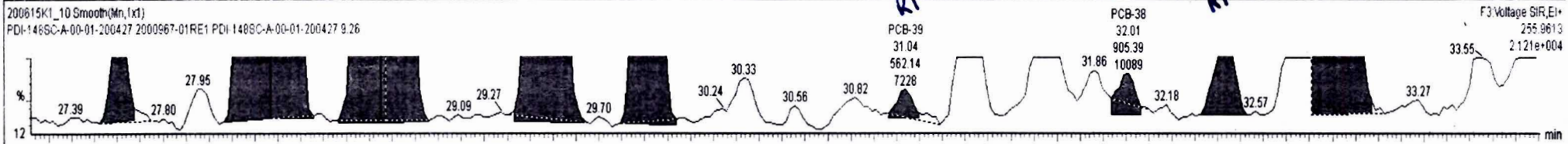
#	Name	Resp	RA	nly	RRF	wt/wt	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				0.9828	5.029	0.00		0.000		NO	1832		13.1	1832
228	228 Total Tetra-PCBs				1.0778	5.029	0.00		0.000		NO	7052		18.0	7070
229	229 3rd Function Penta-PCBs				1.3157	5.029	0.00		0.000		NO	8706		13.8	8706

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	18 PCB-34	27.60	27.62	1.941e3	1.629e3	1.040	1.19	NO	6.6972	6.6972
2	21 PCB-26	28.18	28.17	3.313e4	3.225e4	1.040	1.03	NO	122.88	122.88
3	22 PCB-25	28.33	28.34	2.851e4	2.725e4	1.040	1.05	NO	104.14	104.14
4	23 PCB-31	28.70	28.72	1.453e5	1.434e5	1.040	1.01	NO	494.18	494.18
5	24 PCB-28	28.81	28.81	1.513e5	1.515e5	1.040	1.00	NO	524.12	524.12
6	25 PCB-20/21/33	29.45	29.48	7.811e4	7.458e4	1.040	1.05	NO	287.75	287.75
7	26 PCB-22	29.89	29.81	3.724e4	3.742e4	1.040	1.00	NO	136.15	136.15
8	31 PCB-37	32.92	32.94	4.256e4	4.199e4	1.040	1.01	NO	155.69	155.69



#	Name	Resp	RA	nly	RFF	w/Vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				0.9828	5.029	0.00		0.000		NO	1844		13.1	1844
228	228 Total Tetra-PCBs				1.0778	5.029	0.00		0.000		NO	7006		18.0	7045
229	229 3rd Function Penta-PCBs				1.3157	5.029	0.00		0.000		NO	8660		13.8	8678
230	230 4th Function Penta-PCBs				1.0735	5.029	0.00		0.000		NO	373.5		4.06	405.4
231	231 3rd Function Hexa-PCBs				0.9505	5.029	0.00		0.000		NO	2647		6.82	2662
232	232 4th Function Hexa-PCBs				1.0316	5.029	0.00		0.000		NO	4838		12.7	4845

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	18 PCB-34	27.60	27.62	1.941e3	1.629e3	1.040	1.19	NO	6.6972	6.6972
2	21 PCB-26	28.18	28.17	3.313e4	3.225e4	1.040	1.03	NO	122.88	122.88
3	22 PCB-25	28.33	28.34	2.851e4	2.725e4	1.040	1.05	NO	104.14	104.14
4	23 PCB-31	28.70	28.71	1.453e5	1.434e5	1.040	1.01	NO	494.18	494.18
5	24 PCB-28	28.81	28.81	1.513e5	1.515e5	1.040	1.00	NO	524.12	524.12
6	25 PCB-20/21/33	29.45	29.48	7.811e4	7.458e4	1.040	1.05	NO	287.75	287.75
7	26 PCB-22	29.89	29.91	3.724e4	3.742e4	1.040	1.00	NO	136.15	136.15
8	28 PCB-39	31.13	31.04	5.621e2	5.897e2	1.040	0.95	NO	2.1855	2.1855
9	29 PCB-38	31.93	32.01	9.054e2	9.191e2	1.040	0.99	NO	3.2227	3.2227
10	30 PCB-35	32.47	32.44	2.029e3	2.021e3	1.040	1.00	NO	7.2101	7.2101
11	31 PCB-37	32.92	32.94	4.256e4	4.198e4	1.040	1.01	NO	155.69	155.69



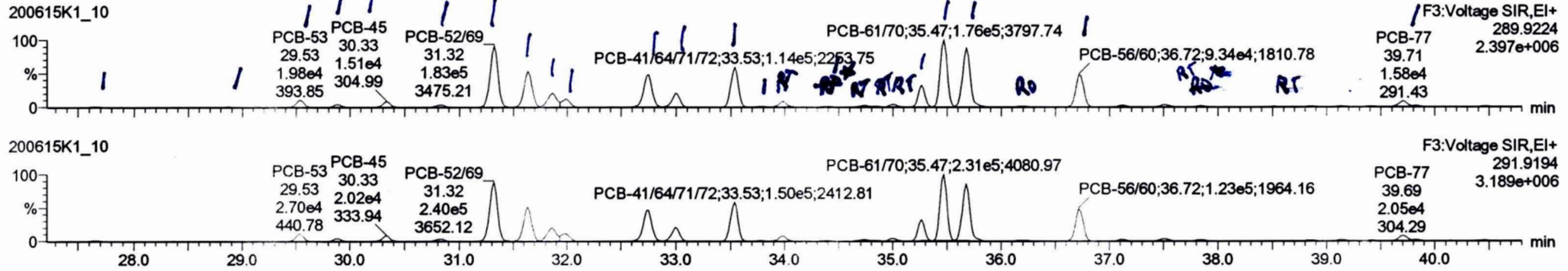
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Last Altered: Tuesday, June 16, 2020 08:15:33 Pacific Daylight Time  
 Printed: Tuesday, June 16, 2020 08:16:03 Pacific Daylight Time

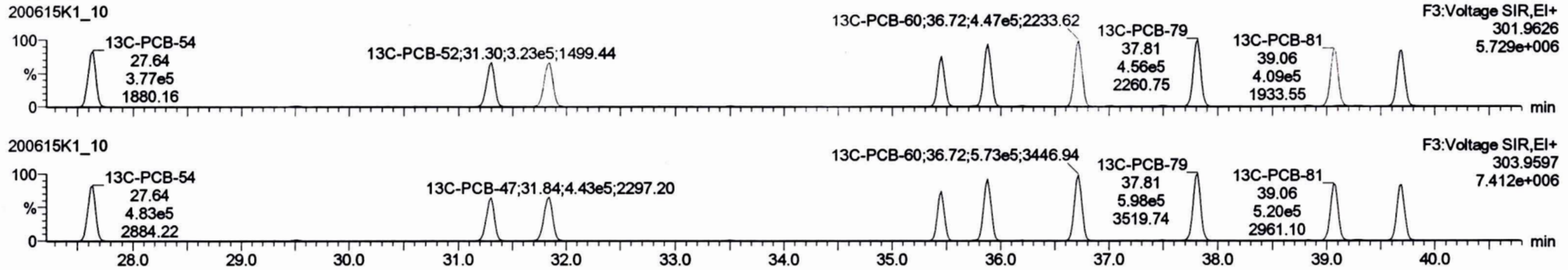
*\* Jy 06-17-2020*

Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

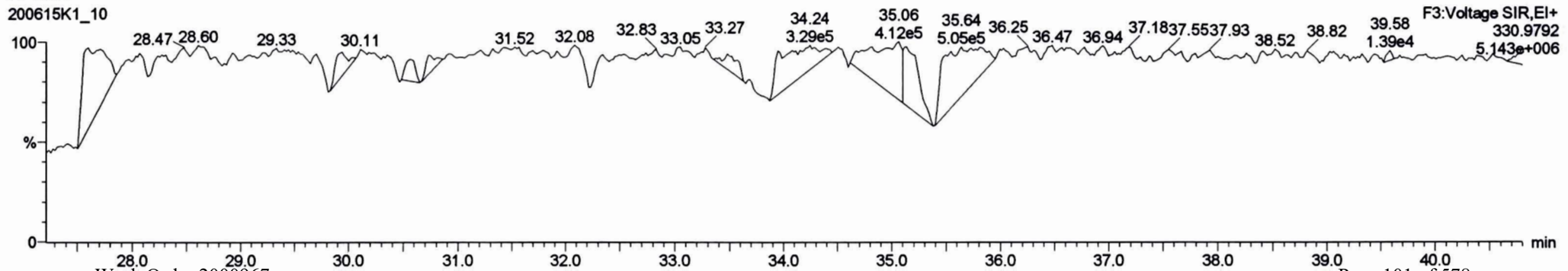
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

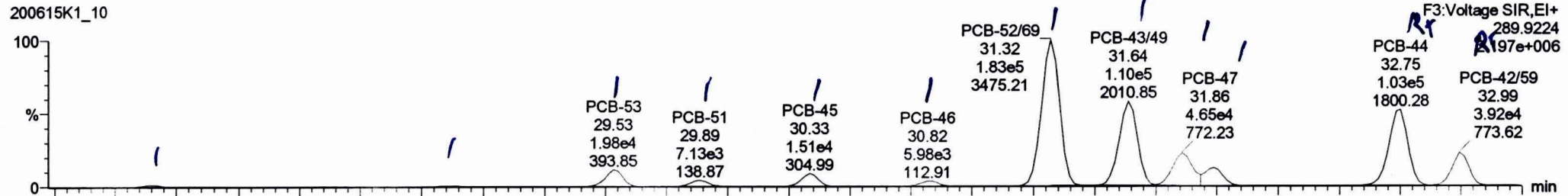
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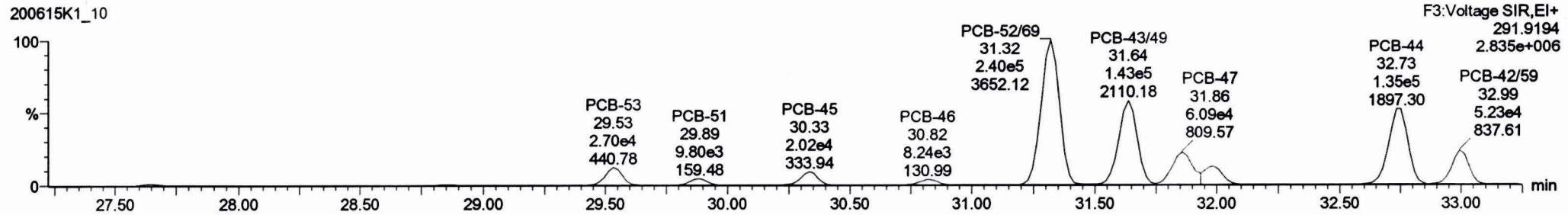
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**PCB-50**

200615K1\_10

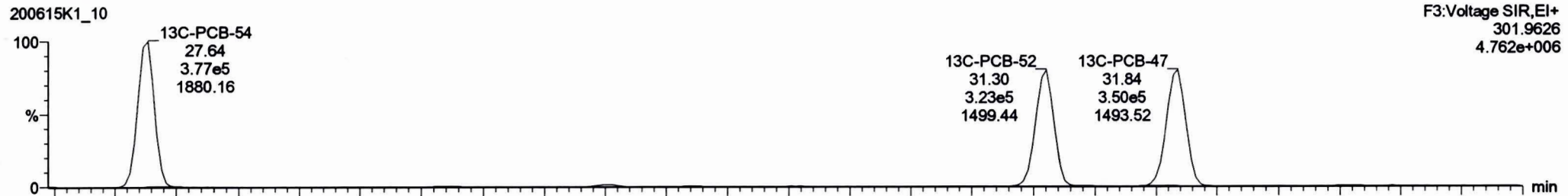


200615K1\_10

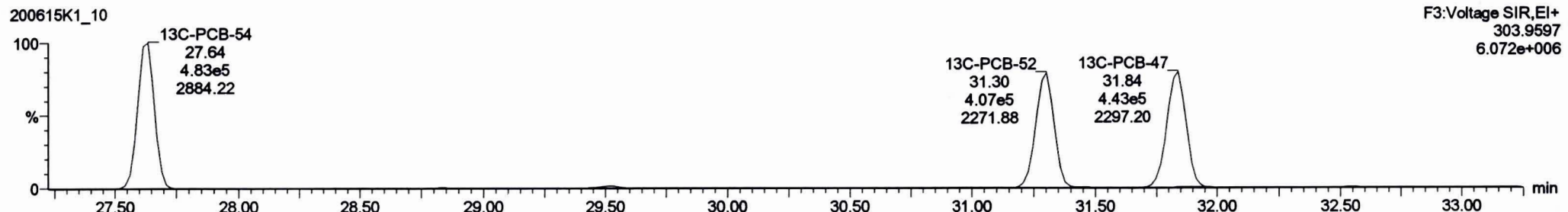


**13C-PCB-52**

200615K1\_10



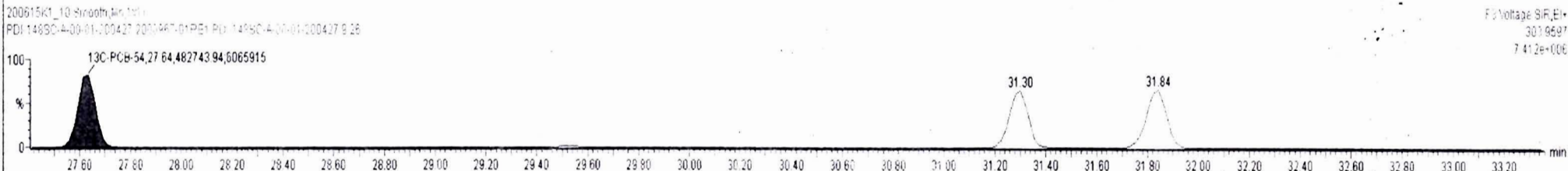
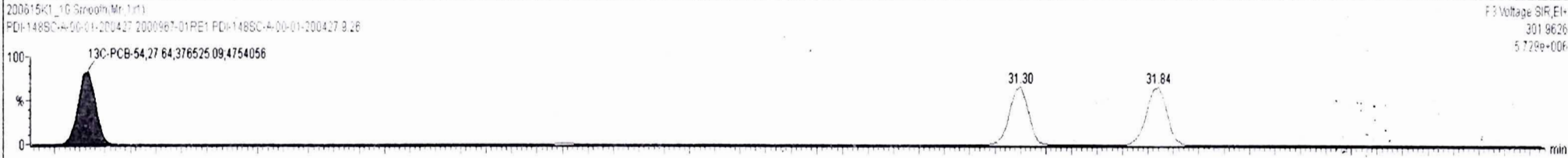
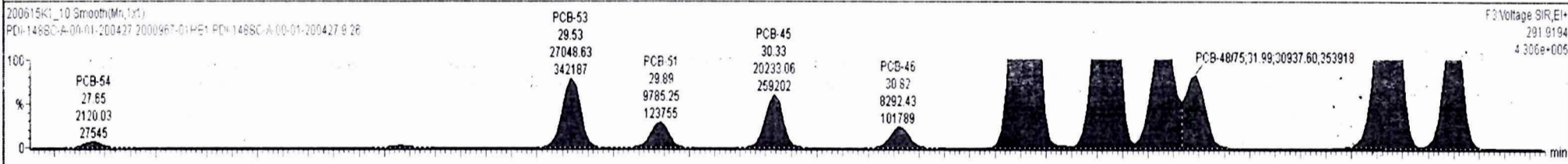
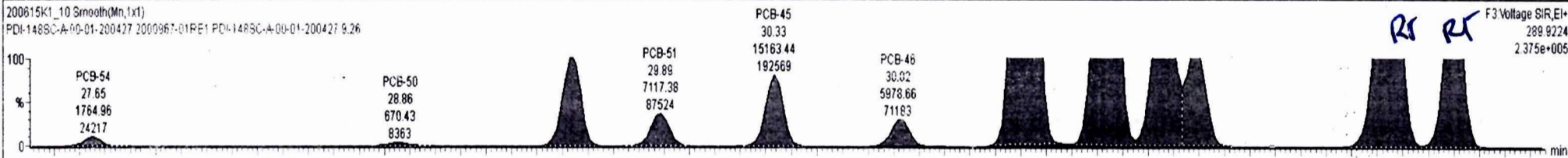
200615K1\_10



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.029	0.00		0.000		NO	7015		18.0	7033
229	229 3rd Function Penta-PCBs				1.3157	5.029	0.00		0.000		NO	8643		13.6	8643
230	230 4th Function Penta-PCBs				1.0735	5.029	0.00		0.000		NO	407.0		4.06	407.0

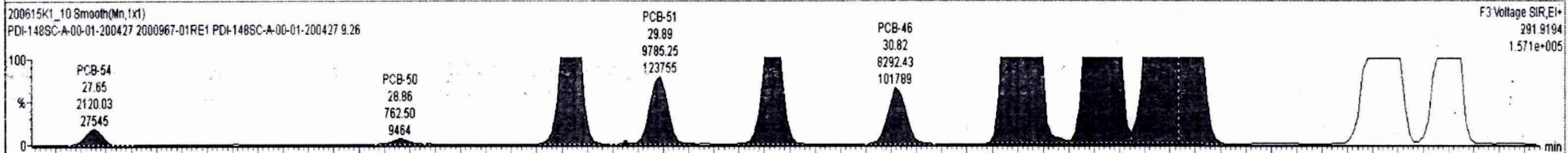
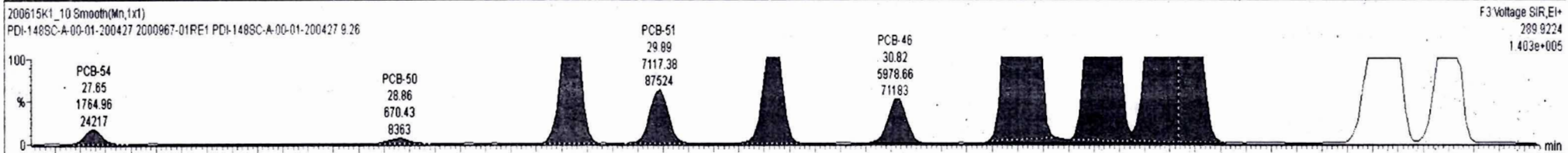
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.65	27.65	1.765e3	2.120e3	0.770	0.83	NO	8.3256	8.3256
2	33 PCB-50	28.85	28.86	6.704e2	7.625e2	0.770	0.88	NO	3.7700	3.7700
3	34 PCB-53	29.55	29.53	1.983e4	2.705e4	0.770	0.73	NO	128.04	128.04
4	35 PCB-51	29.89	29.89	7.117e3	9.785e3	0.770	0.73	NO	43.197	43.197
5	36 PCB-45	30.34	30.33	1.516e4	2.023e4	0.770	0.75	NO	112.25	112.25
6	37 PCB-46	30.83	30.82	5.979e3	8.292e3	0.770	0.72	NO	46.767	46.767
7	38 PCB-52/69	31.34	31.32	1.843e5	2.407e5	0.770	0.77	NO	991.87	991.87
8	40 PCB-43/49	31.63	31.64	1.110e5	1.434e5	0.770	0.77	NO	681.62	681.62
9	41 PCB-47	31.86	31.86	4.698e4	6.100e4	0.770	0.77	NO	293.81	293.81
10	42 PCB-48/75	31.97	31.99	2.372e4	3.094e4	0.770	0.77	NO	122.39	122.39
11	45 PCB-44	32.69	32.75	1.027e5	1.353e5	0.770	0.76	NO	724.41	724.41
12	46 PCB-42/59	32.92	32.99	3.930e4	5.264e4	0.770	0.75	NO	219.72	219.72

RT  
RT



#	Name	Resp	RA	nly	RRF	wt/Vol	PredRT	RT	PredR..	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.029	0.00		0.000		NO	8071		18.0	8089
229	229 3rd Function Penta-PCBs				1.3157	5.029	0.00		0.000		NO	8643		13.8	8643
230	230 4th Function Penta-PCBs				1.0735	5.029	0.00		0.000		NO	407.0		4.06	407.0

#	Name	PredRT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	32 PCB-54	27.65	27.65	1.765e3	2.120e3	0.770	0.83	NO	8.3256	8.3256
2	33 PCB-50	28.85	28.86	6.704e2	7.625e2	0.770	0.88	NO	3.7700	3.7700
3	34 PCB-53	29.55	29.53	1.983e4	2.705e4	0.770	0.73	NO	128.04	128.04
4	35 PCB-51	29.89	29.89	7.117e3	9.785e3	0.770	0.73	NO	43.197	43.197
5	36 PCB-45	30.34	30.33	1.516e4	2.023e4	0.770	0.75	NO	112.25	112.25
6	37 PCB-46	30.83	30.82	5.979e3	8.292e3	0.770	0.72	NO	46.767	46.767
7	38 PCB-52/69	31.34	31.32	1.843e5	2.407e5	0.770	0.77	NO	991.87	991.87
8	40 PCB-43/49	31.63	31.64	1.110e5	1.434e5	0.770	0.77	NO	681.62	681.62
9	41 PCB-47	31.86	31.86	4.698e4	6.100e4	0.770	0.77	NO	283.81	283.81
10	42 PCB-48/75	31.97	31.99	2.372e4	3.094e4	0.770	0.77	NO	122.39	122.39
11	47 PCB-41.64/71/72	33.53	33.53	1.139e5	1.501e5	0.770	0.76	NO	557.77	557.77
12	48 PCB-68	33.78	33.78	1.266e3	1.713e3	0.770	0.74	NO	5.8489	5.8489





Dataset: Untitled

Last Altered: Tuesday, June 16, 2020 08:15:33 Pacific Daylight Time

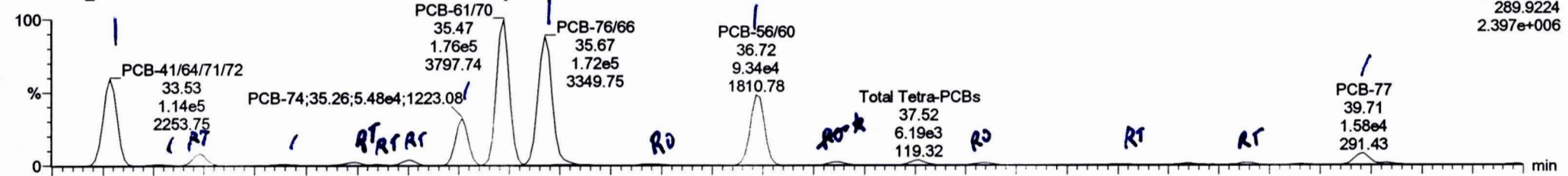
Printed: Tuesday, June 16, 2020 08:16:03 Pacific Daylight Time

*\* by 06/16/2020*

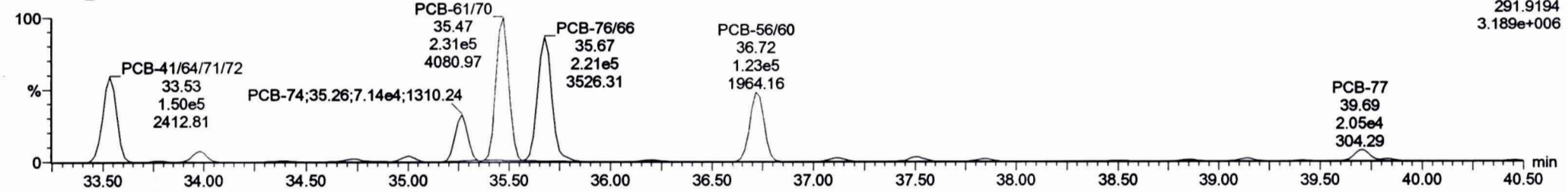
Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

**PCB-68**

200615K1\_10

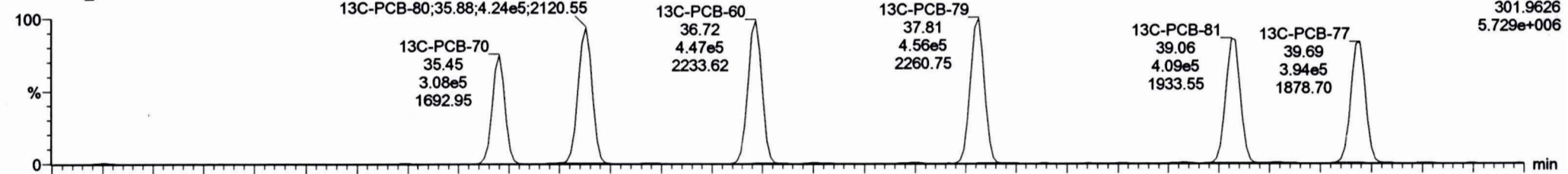


200615K1\_10

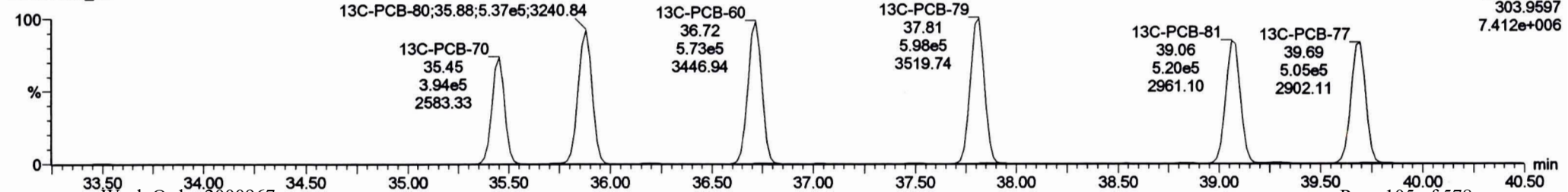


**13C-PCB-60**

200615K1\_10

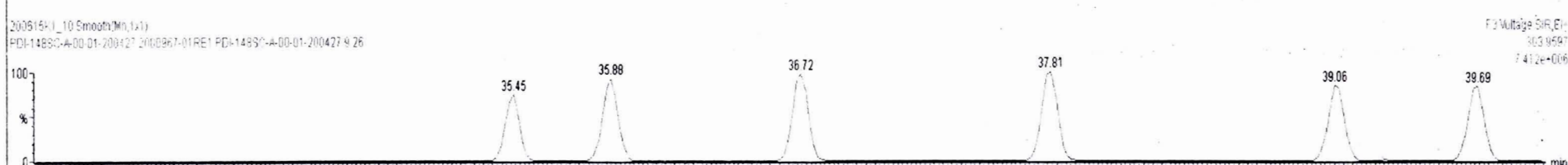
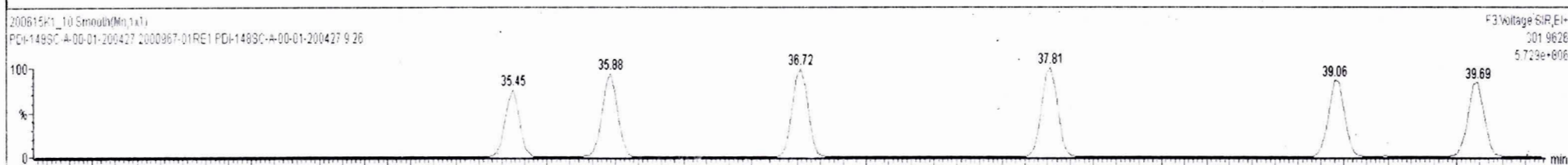
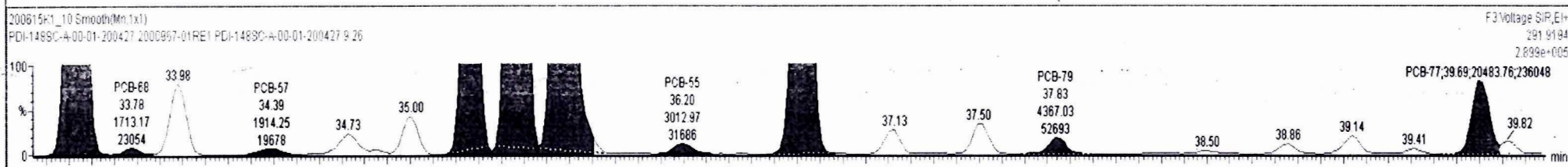
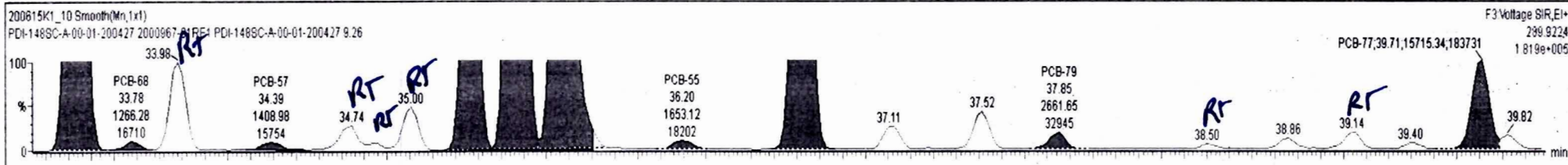


200615K1\_10



#	Name	Resp	RA	n/y	RRF	wAval	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.029	0.00		0.000		NO	5890		18.0	5908
229	229 3rd Function Penta-PCBs				1.3157	5.029	0.00		0.000		NO	8643		13.8	8643
230	230 4th Function Penta-PCBs				1.0735	5.029	0.00		0.000		NO	407.0		4.06	407.0

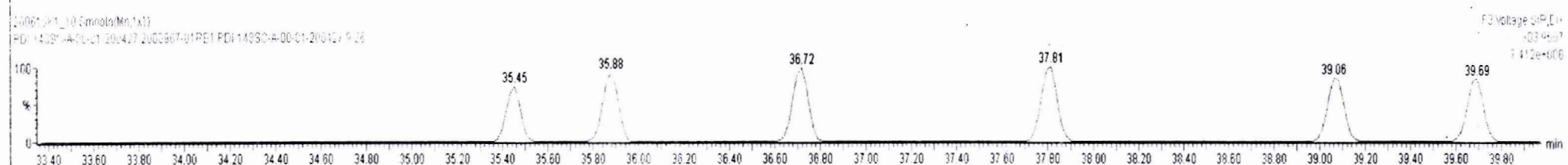
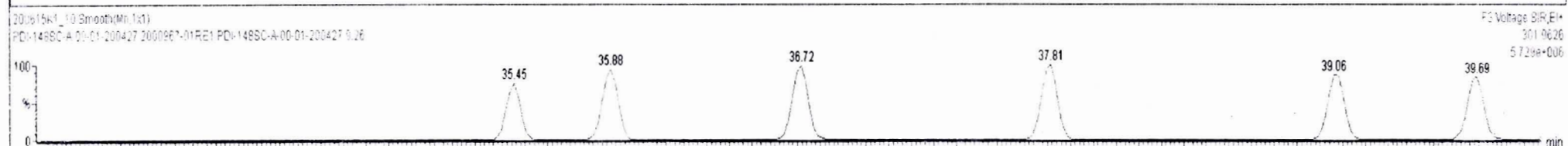
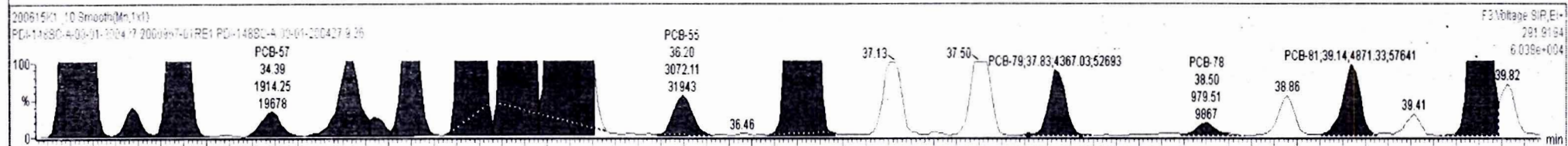
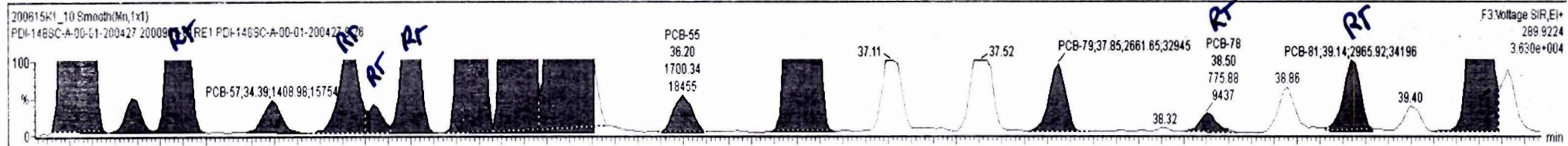
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.65	27.65	1.765e3	2.120e3	0.770	0.83	NO	8.3256	8.3256
2	33 PCB-50	28.85	28.86	6.704e2	7.625e2	0.770	0.88	NO	3.7700	3.7700
3	34 PCB-53	29.55	29.53	1.983e4	2.705e4	0.770	0.73	NO	128.04	128.04
4	35 PCB-51	29.89	29.89	7.117e3	9.785e3	0.770	0.73	NO	43.197	43.197
5	36 PCB-45	30.34	30.33	1.516e4	2.023e4	0.770	0.75	NO	112.25	112.25
6	37 PCB-46	30.83	30.82	5.979e3	8.292e3	0.770	0.72	NO	46.767	46.767
7	38 PCB-52/69	31.34	31.32	1.843e5	2.407e5	0.770	0.77	NO	991.87	991.87
8	40 PCB-43/49	31.63	31.64	1.110e5	1.434e5	0.770	0.77	NO	681.62	681.62
9	41 PCB-47	31.86	31.86	4.898e4	6.100e4	0.770	0.77	NO	293.81	293.81
10	42 PCB-48/75	31.97	31.99	2.372e4	3.094e4	0.770	0.77	NO	122.39	122.39
11	47 PCB-41/64/71/72	33.53	33.53	1.139e5	1.501e5	0.770	0.76	NO	557.77	557.77
12	48 PCB-68	33.78	33.78	1.266e3	1.713e3	0.770	0.74	NO	5.8489	5.8489



#	Name	Resp	RA	nly	RRF	wt/wt	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.029	0.00		0.000		NO	7052		18.0	7084

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
13	47 PCB-41,64,71,72	33.53	33.53	1.139e5	1.501e5	0.770	0.76	NO	557.77	557.77
14	48 PCB-68	33.78	33.78	1.266e3	1.713e3	0.770	0.74	NO	5.8489	5.8489
15	49 PCB-40	34.01	33.98	1.470e4	1.858e4	0.770	0.79	NO	138.66	138.66
16	50 PCB-57	34.36	34.39	1.409e3	1.914e3	0.770	0.74	NO	8.0979	8.0979
17	51 PCB-67	34.68	34.74	4.609e3	6.559e3	0.770	0.70	NO	29.193	29.193
18	52 PCB-58	34.80	34.84	8.506e2	9.632e2	0.770	0.88	NO	4.2691	4.2691
19	53 PCB-63	34.95	35.00	6.635e3	9.292e3	0.770	0.71	NO	42.107	42.107
20	54 PCB-74	35.25	35.26	5.486e4	7.410e4	0.770	0.74	NO	308.38	308.38
21	55 PCB-61,70	35.47	35.47	1.762e5	2.355e5	0.770	0.75	NO	1106.7	1106.7
22	56 PCB-76,66	35.66	35.67	1.715e5	2.232e5	0.770	0.77	NO	960.55	960.55
23	58 PCB-55	36.22	36.20	1.700e3	3.072e3	0.770	0.55	YES	6.9183	0.00000
24	59 PCB-56,60	36.74	36.72	9.361e4	1.232e5	0.770	0.76	NO	440.68	440.68
25	60 PCB-79	37.84	37.85	2.662e3	4.367e3	0.770	0.61	YES	11.120	0.00000
26	61 PCB-78	38.54	38.50	7.759e2	9.795e2	0.770	0.79	NO	3.3073	3.3073
27	62 PCB-81	39.08	39.14	2.966e3	4.871e3	0.770	0.61	YES	13.951	0.00000
28	63 PCB-77	39.71	39.71	1.572e4	2.048e4	0.770	0.77	NO	70.416	70.416

RT 700 only  
 RT  
 RT  
 RT  
 RT  
 RT

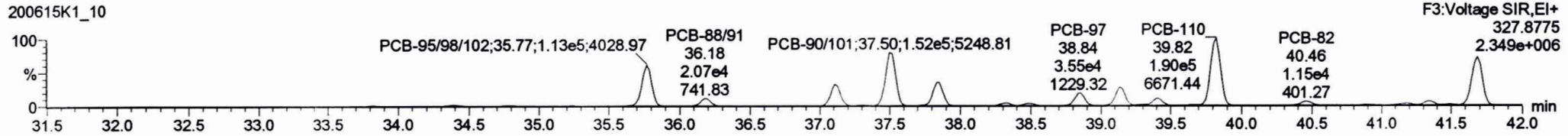
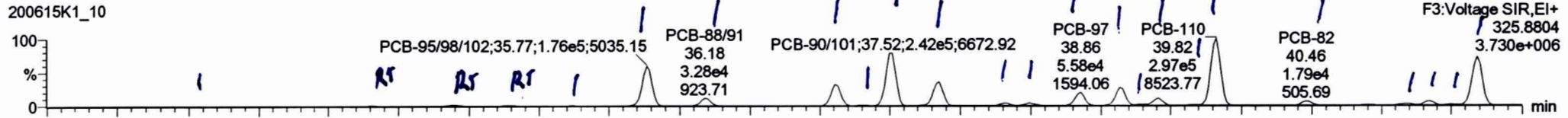


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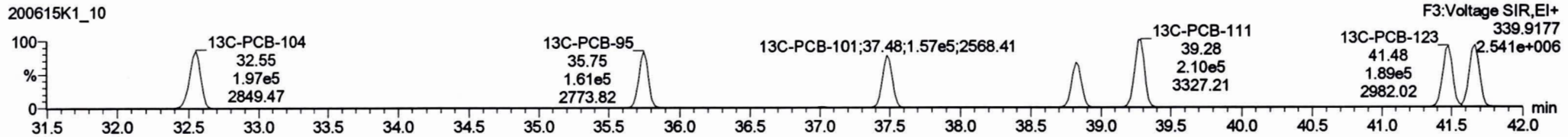
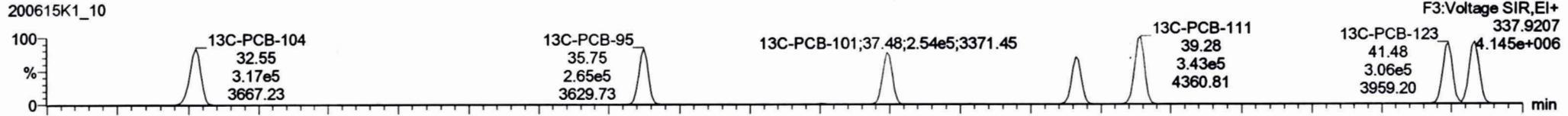
Last Altered: Tuesday, June 16, 2020 08:15:33 Pacific Daylight Time  
 Printed: Tuesday, June 16, 2020 08:16:03 Pacific Daylight Time

Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

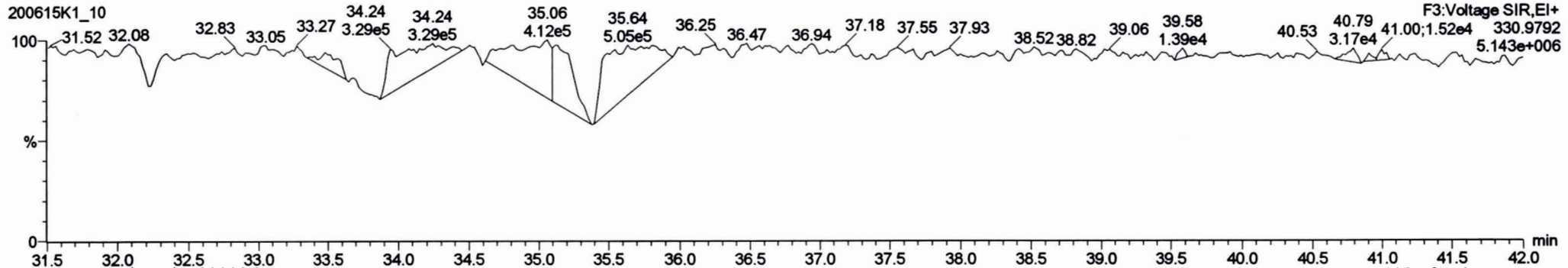
**PCB-104**



**13C-PCB-104**



**PFK3b**



Dataset: Untitled

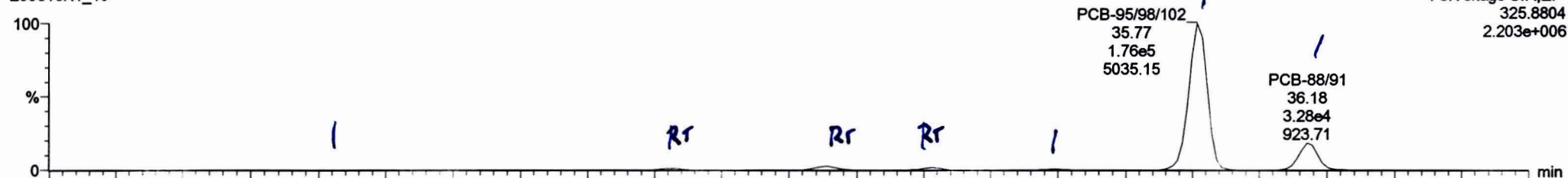
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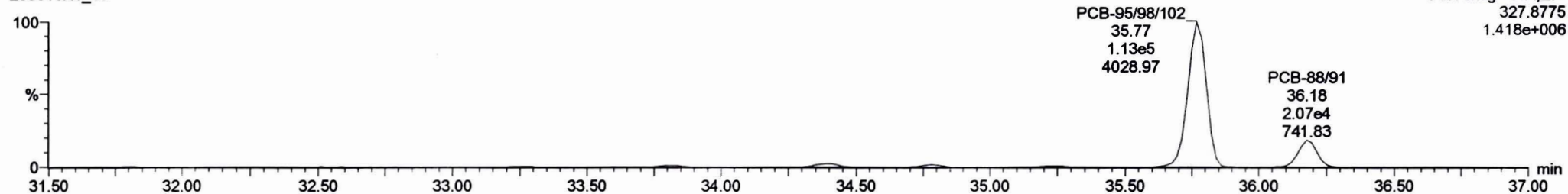
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**PCB-96**

200615K1\_10

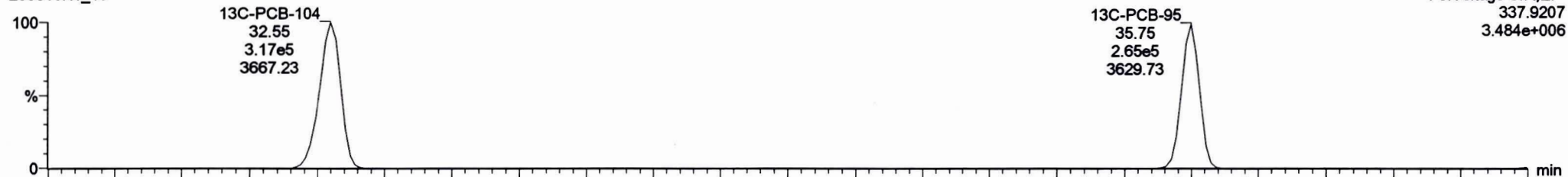


200615K1\_10

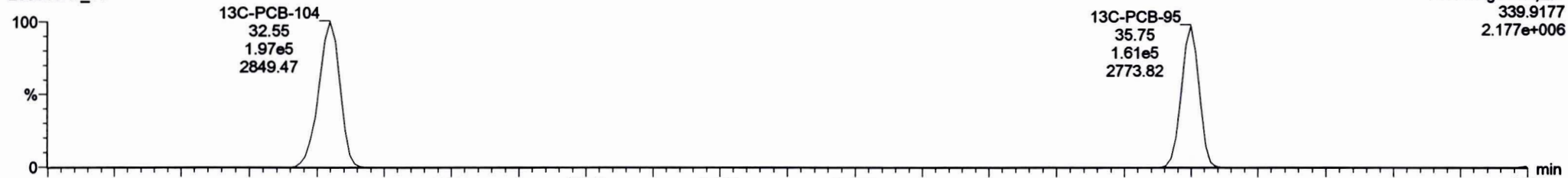


**13C-PCB-95**

200615K1\_10

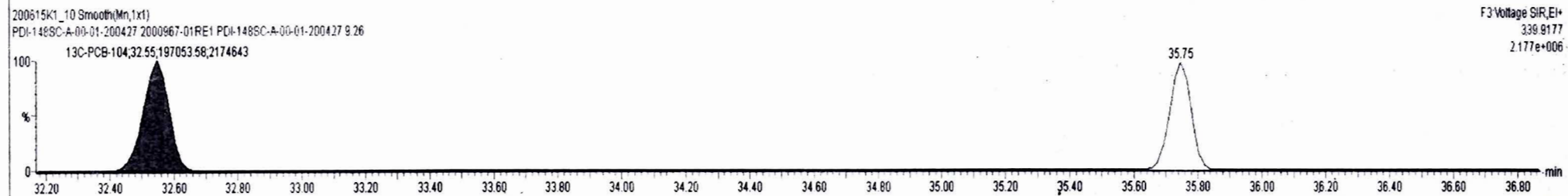
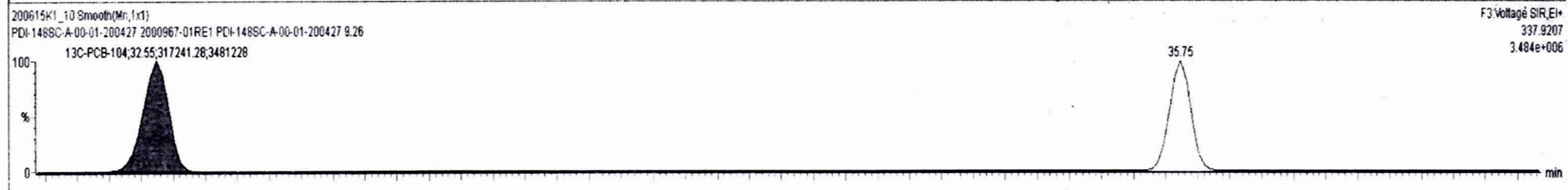
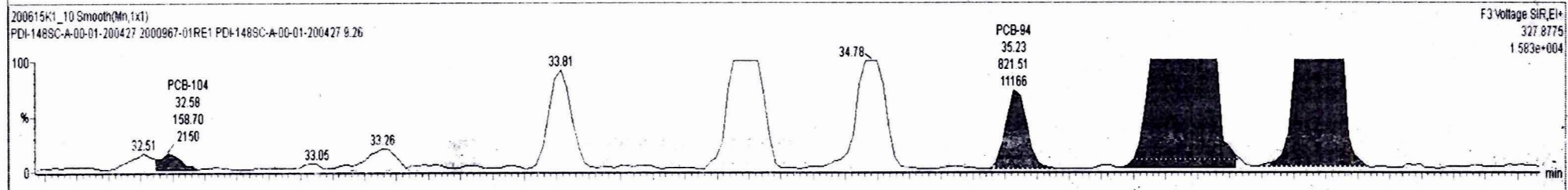
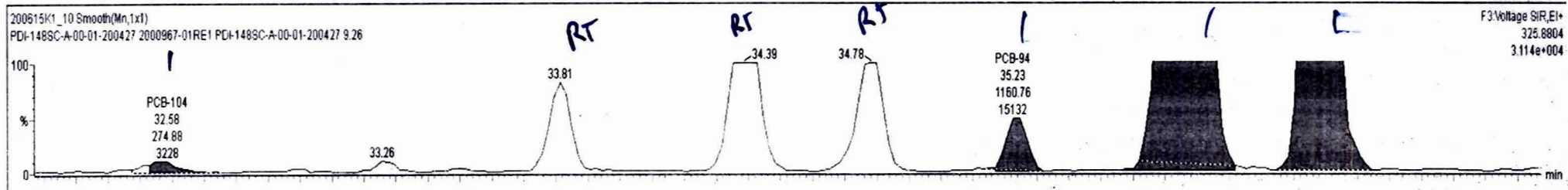


200615K1\_10



#	Name	Resp	RA	nly	RRF	wt/vol	PredRT	RT	PredR...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.3157	5.029	0.00		0.000		NO	8643		13.8	8643
230	230 4th Function Penta-PCBs				1.0735	5.029	0.00		0.000		NO	407.0		4.06	407.0
231	231 3rd Function Hexa-PCBs				0.9505	5.029	0.00		0.000		NO	2670		6.82	2670

#	Name	PredRT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
64	PCB-104	32.57	32.58	2.749e2	1.587e2	1.560	1.73	NO	1.4940	1.4940
68	PCB-94	35.23	35.23	1.161e3	8.215e2	1.560	1.41	NO	9.7470	9.7470
69	PCB-95/98/102	35.71	35.77	1.764e5	1.130e5	1.560	1.56	NO	1121.0	1121.0
71	PCB-88/91	36.18	36.18	3.283e4	2.073e4	1.560	1.58	NO	234.67	234.67
73	PCB-84/92	37.12	37.11	9.408e4	5.898e4	1.560	1.60	NO	727.34	727.34
74	PCB-89	37.29	37.29	1.888e3	1.417e3	1.560	1.33	NO	14.462	14.462
75	PCB-90/101	37.50	37.52	2.427e5	1.529e5	1.560	1.59	NO	1704.2	1704.2

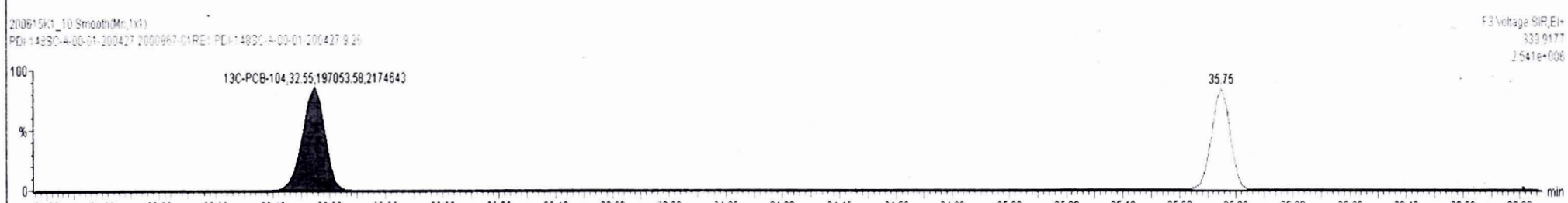
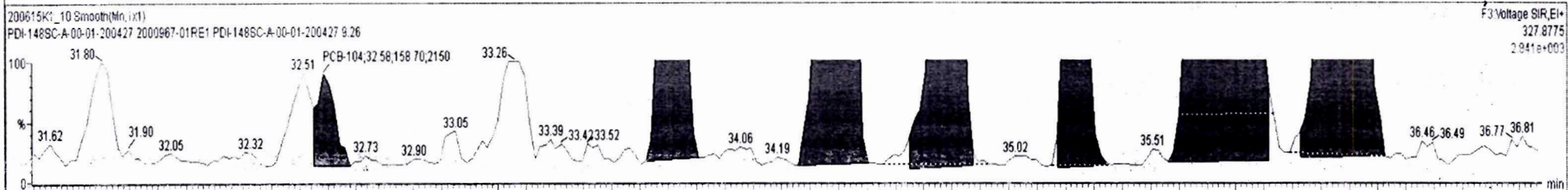
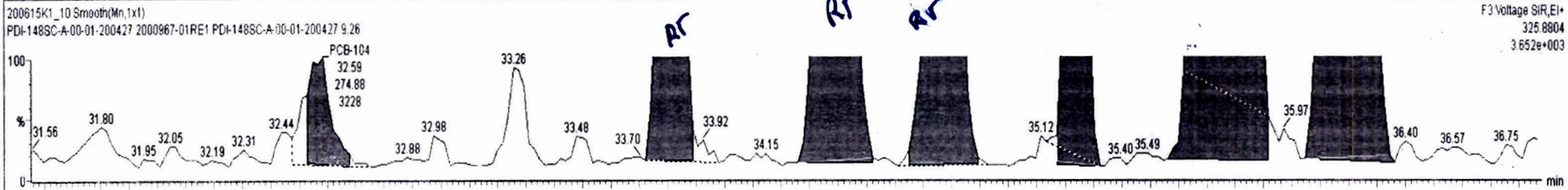


200615K1\_10 - 2000967-01RE1 PDI-148SC-A-00-01-200427 9 26 - PDI-148SC-A-00-01-200427

#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.3157	5.029	0.00		0.000		NO	8665		13.8	8682

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	64 PCB-104	32.57	32.59	2.749e2	1.587e2	1.560	1.73	NO	1.4940	1.4940
2	65 PCB-96	33.89	33.81	1.929e3	1.111e3	1.560	1.74	NO	10.189	10.189
3	66 PCB-103	34.46	34.39	5.078e3	3.252e3	1.560	1.56	NO	34.389	34.389
4	67 PCB-100	34.81	34.78	3.145e3	1.817e3	1.560	1.73	NO	20.120	20.120
5	68 PCB-94	35.23	35.23	1.152e3	8.215e2	1.560	1.40	NO	9.7047	9.7047
6	69 PCB-95/98/102	35.71	35.77	7.64e5	1.130e5	1.560	1.56	NO	1121.0	1121.0
7	71 PCB-86/91	36.18	36.18	2.280e4	2.073e4	1.560	1.58	NO	234.54	234.54

*RT - only  
 RT 1-2*



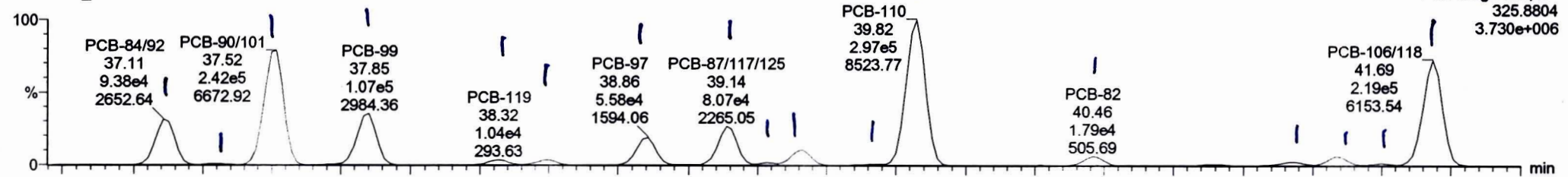
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Last Altered: Tuesday, June 16, 2020 08:15:33 Pacific Daylight Time  
 Printed: Tuesday, June 16, 2020 08:16:03 Pacific Daylight Time

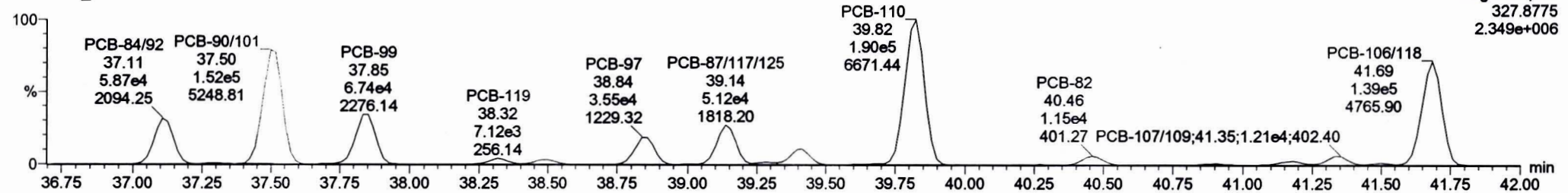
Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

**PCB-119**

200615K1\_10

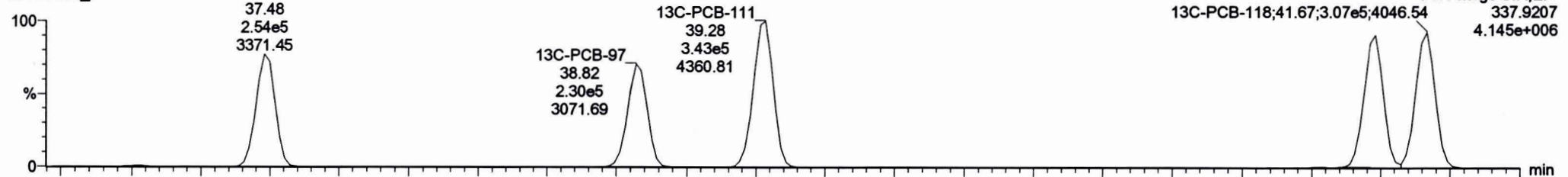


200615K1\_10

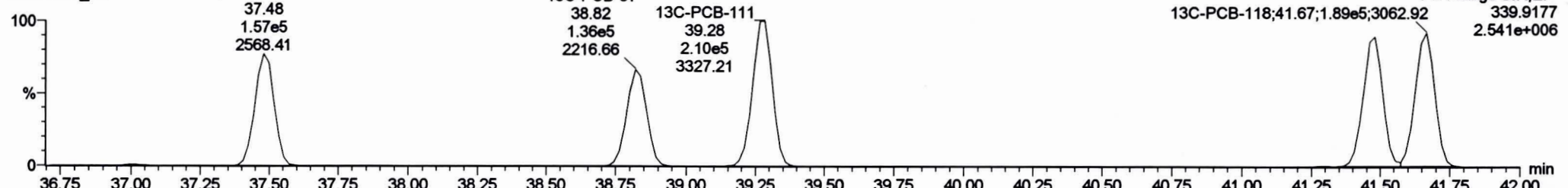


**13C-PCB-111**

200615K1\_10



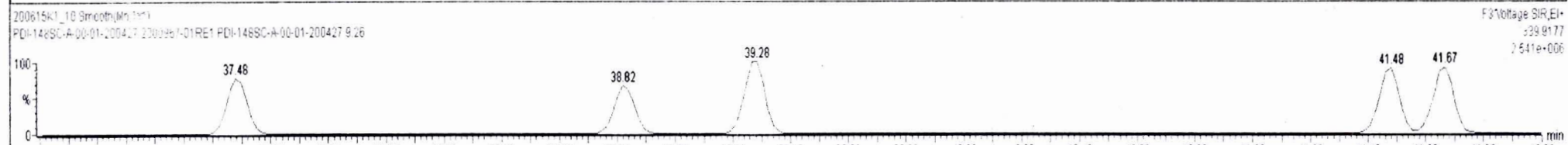
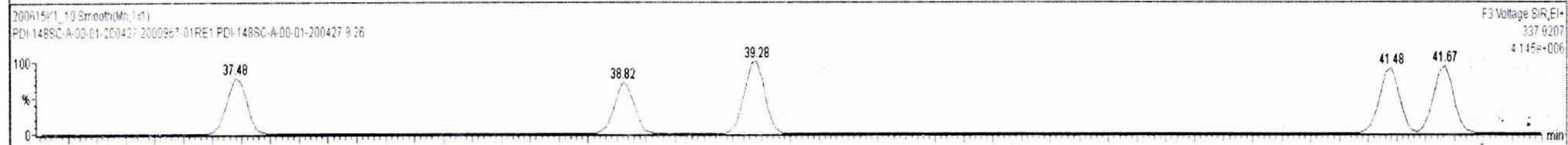
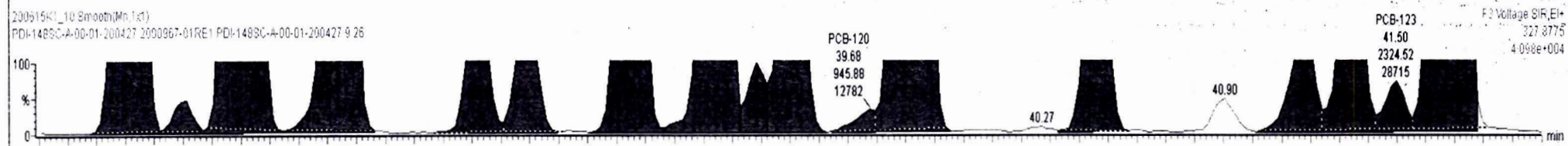
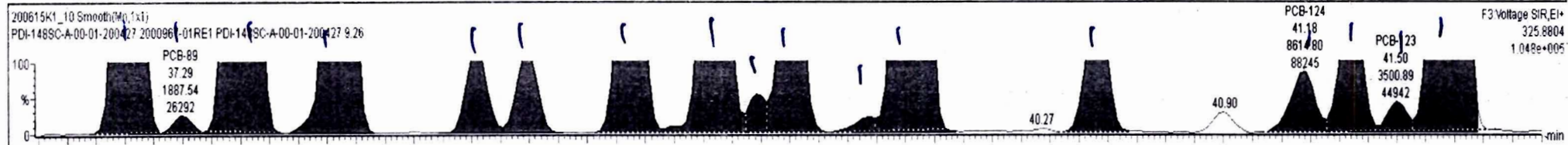
200615K1\_10





#	Name	Resp	RA	nly	RRF	wt/vol	Pred RT	RT	Pred R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.3157	5.029	0.00		0.000		NO	8708		13.8	8708

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
8	73 PCB-84/92	37.12	37.11	9.408e4	5.898e4	1.560	1.60	NO	727.34	727.34
9	74 PCB-89	37.29	37.29	1.688e3	1.417e3	1.560	1.33	NO	14.462	14.462
10	75 PCB-90/101	37.50	37.52	2.427e5	1.529e5	1.560	1.59	NO	1704.2	1704.2
11	77 PCB-99	37.83	37.85	1.069e5	6.774e4	1.560	1.58	NO	639.29	639.29
12	78 PCB-119	38.32	38.32	1.038e4	7.160e3	1.560	1.45	NO	52.768	52.768
13	79 PCB-108/112	38.47	38.48	1.001e4	6.090e3	1.560	1.64	NO	60.523	60.523
14	81 PCB-97	38.84	38.86	5.590e4	3.548e4	1.560	1.58	NO	387.10	387.10
15	83 PCB-87/117/125	39.14	39.14	8.035e4	5.123e4	1.560	1.57	NO	458.40	458.40
16	84 PCB-111/115	39.29	39.28	4.095e3	2.700e3	1.560	1.52	NO	19.315	19.315
17	85 PCB-85/116	39.42	39.41	3.187e4	2.025e4	1.560	1.57	NO	200.64	200.64
18	86 PCB-120	39.68	39.68	1.623e3	9.459e2	1.560	1.72	NO	6.9572	6.9572
19	87 PCB-110	39.81	39.82	2.978e5	1.902e5	1.560	1.57	NO	1521.0	1521.0
20	88 PCB-82	40.48	40.46	1.790e4	1.166e4	1.560	1.54	NO	152.20	152.20
21	89 PCB-124	41.19	41.18	8.615e3	5.801e3	1.560	1.54	NO	40.938	40.938
22	90 PCB-107/109	41.33	41.33	1.858e4	1.232e4	1.560	1.51	NO	92.657	92.657
23	91 PCB-123	41.50	41.50	3.501e3	2.325e3	1.560	1.51	NO	19.562	19.562
24	92 PCB-106/118	41.70	41.69	2.194e5	1.391e5	1.560	1.58	NO	1178.8	1178.8

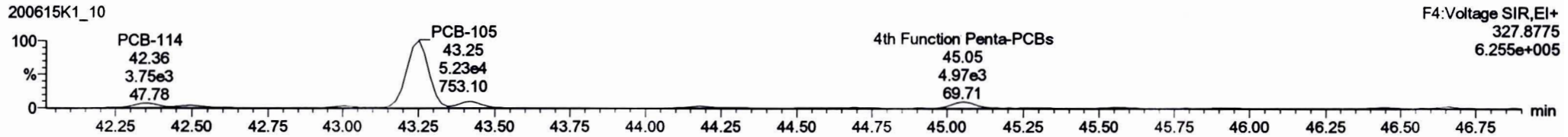
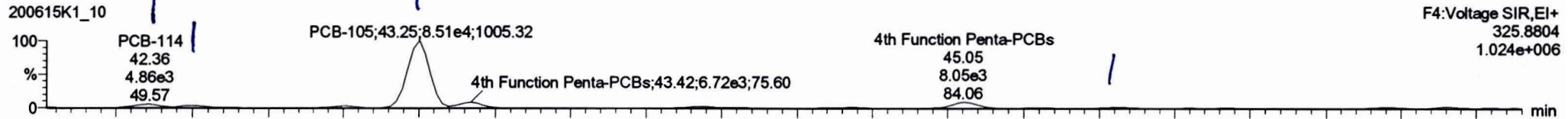


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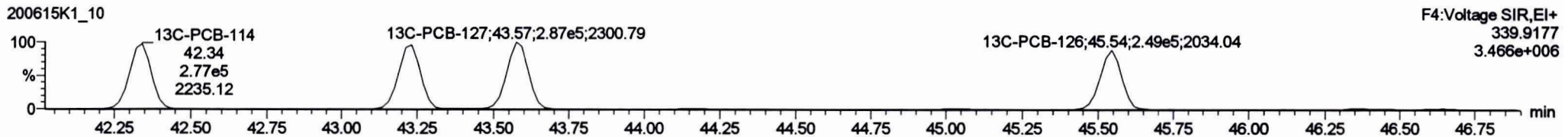
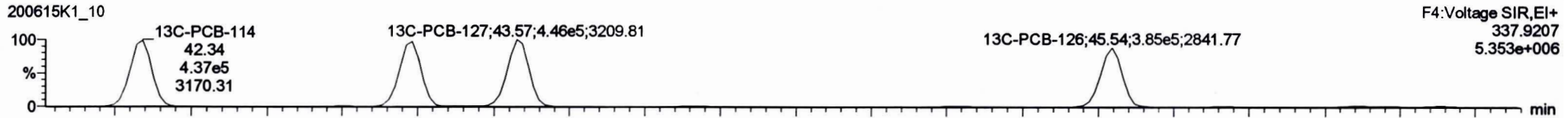
Last Altered: Tuesday, June 16, 2020 08:15:33 Pacific Daylight Time  
Printed: Tuesday, June 16, 2020 08:16:03 Pacific Daylight Time

Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

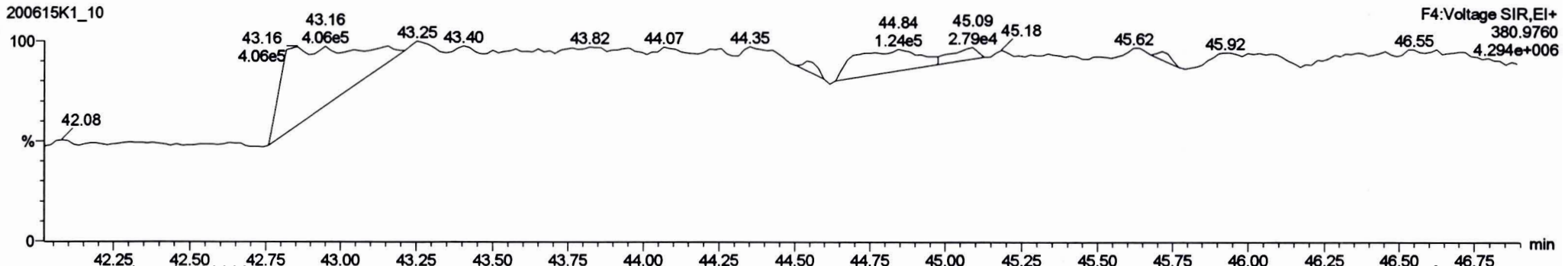
**PCB-114**



**13C-PCB-114**

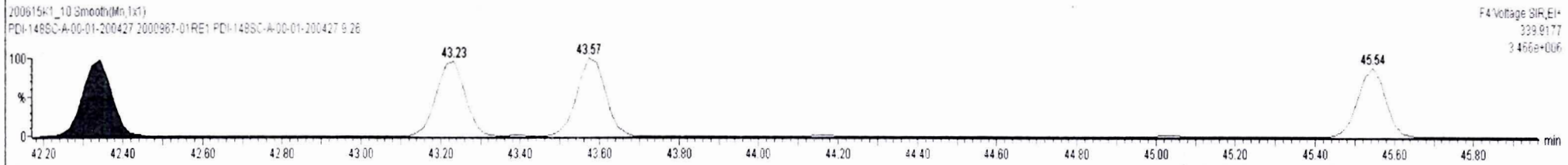
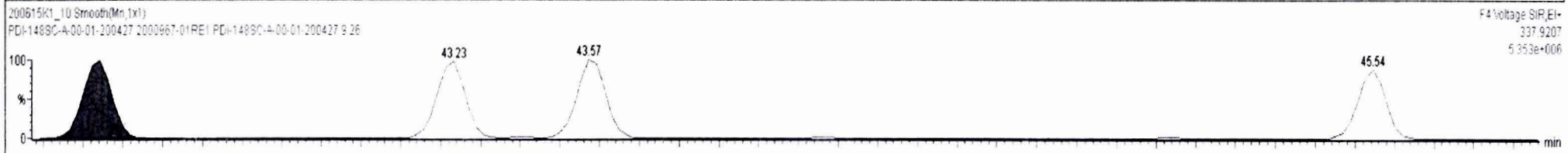
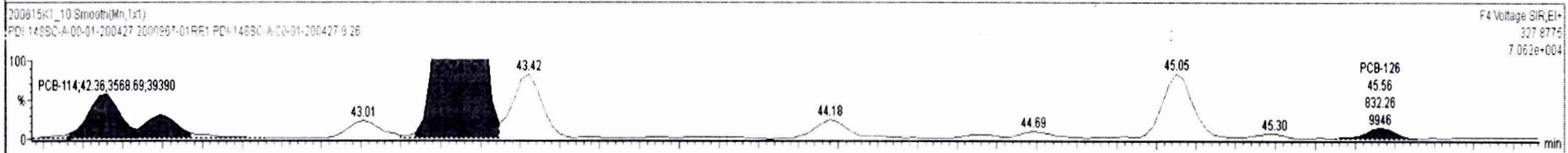
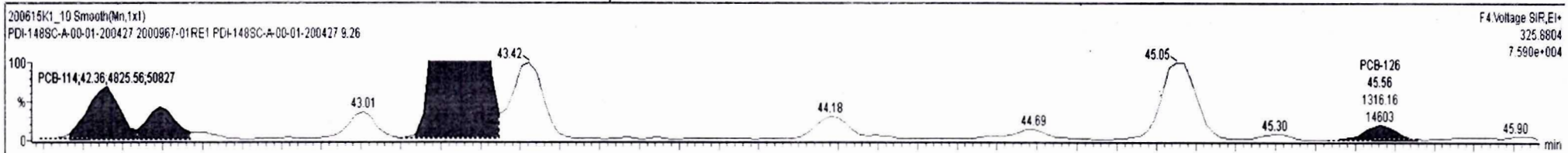


**PFK4a**



#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0735	5.029	0.00		0.000		NO	407.0		4.06	407.0

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	93 PCB-114	42.36	42.36	4.826e3	3.569e3	1.560	1.35	NO	20.484	20.484
2	97 PCB-126	45.56	45.56	1.316e3	8.323e2	1.560	1.58	NO	5.7511	5.7511
3	95 PCB-105	43.25	43.25	8.505e4	5.219e4	1.550	1.63	NO	367.83	367.83
4	94 PCB-122	42.51	42.49	2.612e3	1.783e3	1.560	1.46	NO	12.960	12.960



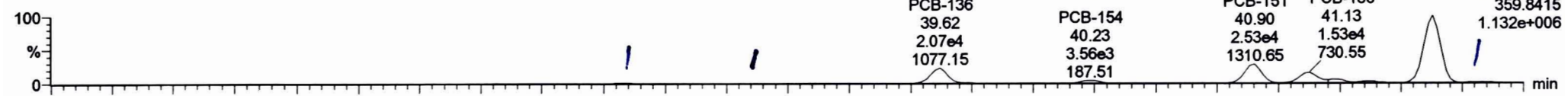
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Printed: Tuesday, June 16, 2020 08:16:03 Pacific Daylight Time

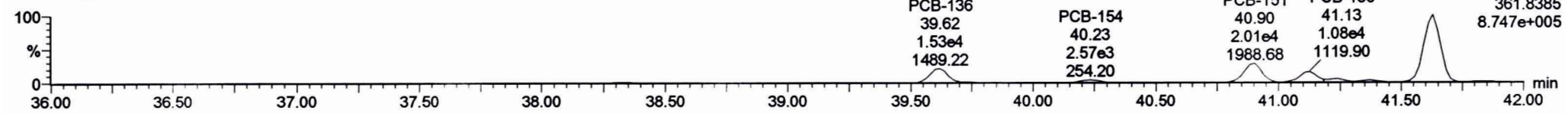
Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

**PCB-155**

200615K1\_10

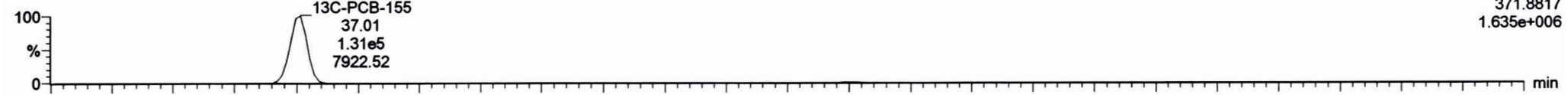


200615K1\_10

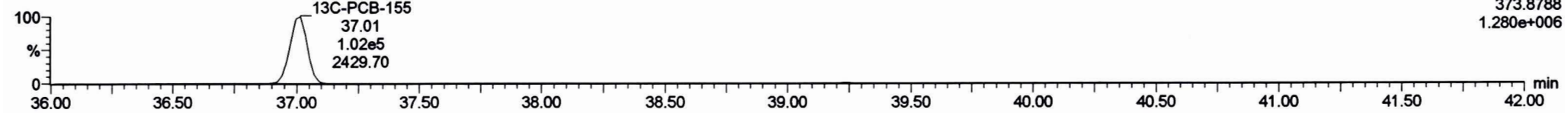


**13C-PCB-155**

200615K1\_10

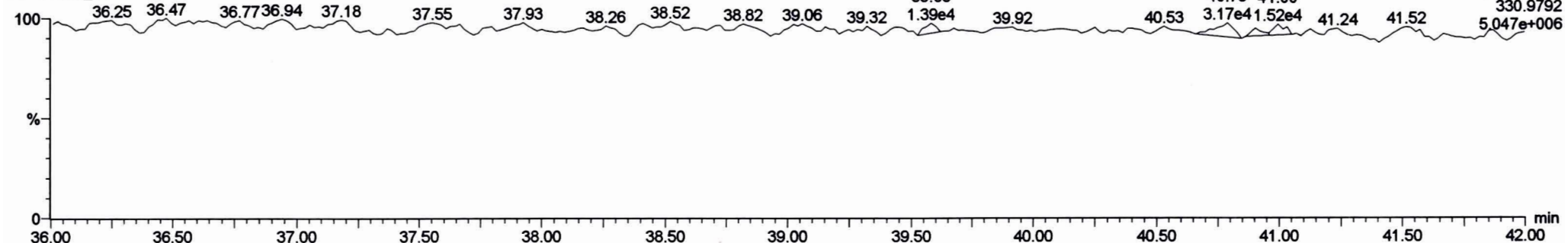


200615K1\_10



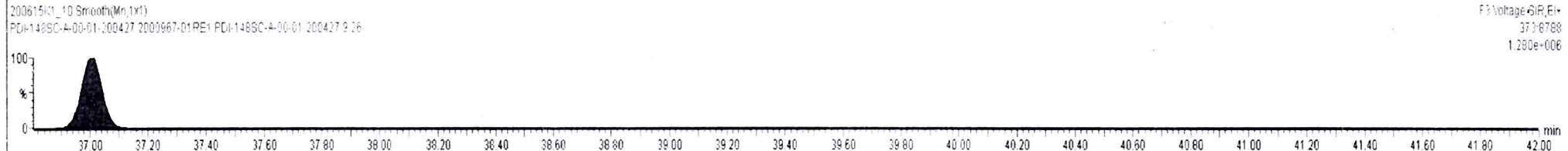
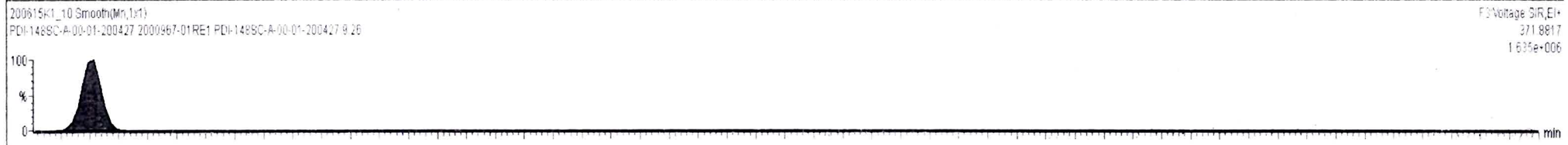
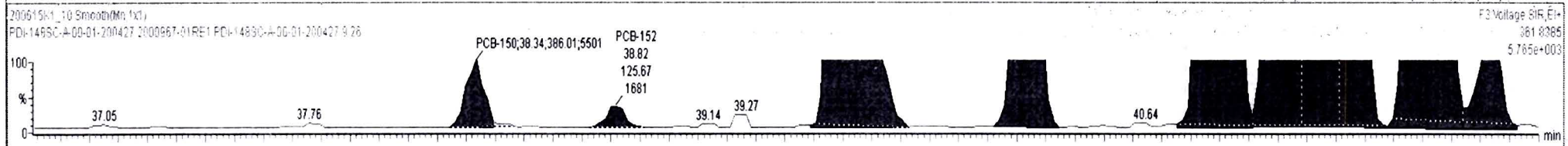
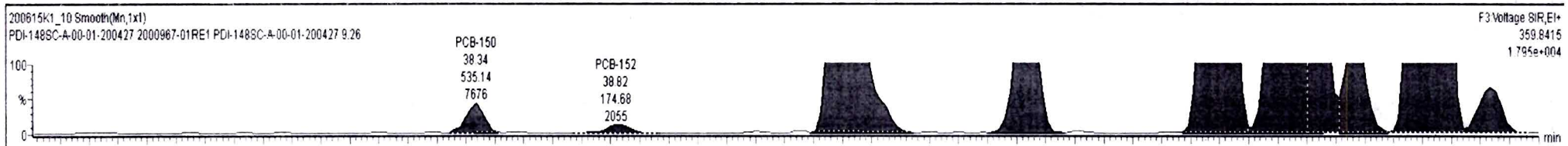
**PFK3c**

200615K1\_10



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.9505	5.029	0.00		0.000		NO	2670		6.82	2670
232	232 4th Function Hexa-PCBs				1.0316	5.029	0.00		0.000		NO	4838		12.7	4945
233	233 Total Hepta-PCBs				1.3551	5.029	0.00		0.000		NO	3744		17.3	3759

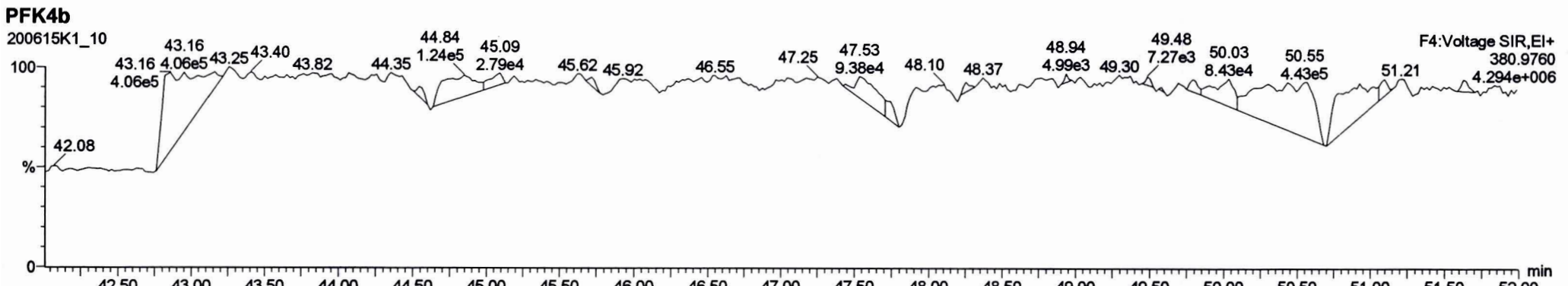
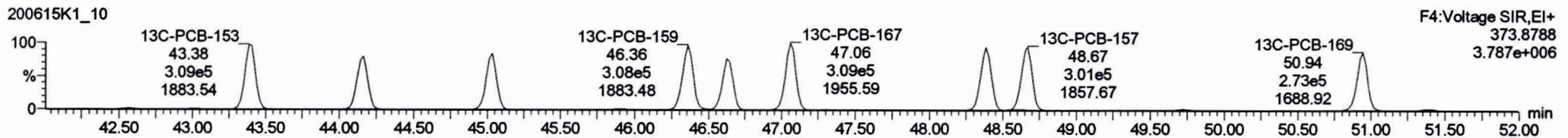
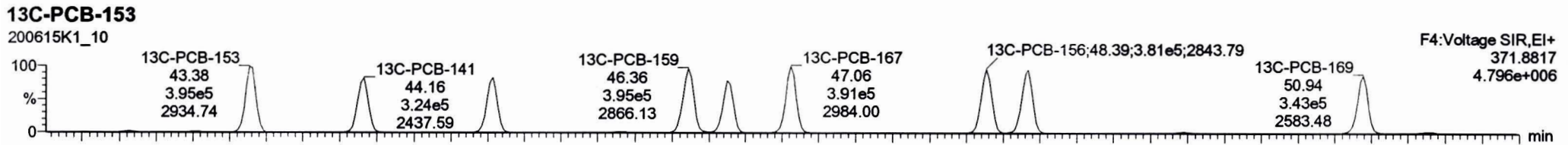
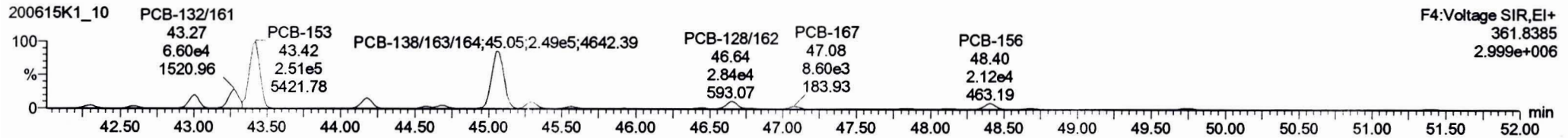
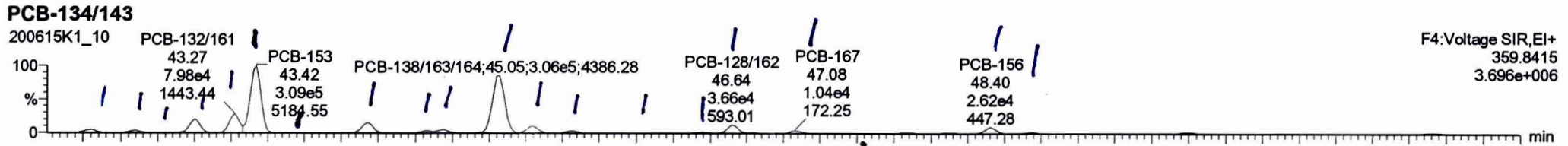
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	99 PCB-150	38.35	38.34	5.351e2	3.860e2	1.240	1.39	NO	7.2460	7.2460
2	100 PCB-152	38.84	38.82	1.747e2	1.257e2	1.240	1.39	NO	2.1575	2.1575
3	102 PCB-136	39.64	39.62	2.085e4	1.537e4	1.240	1.36	NO	302.42	302.42
4	104 PCB-154	40.26	40.23	3.562e3	2.574e3	1.240	1.38	NO	56.903	56.903
5	105 PCB-151	40.92	40.90	2.530e4	2.011e4	1.240	1.26	NO	492.05	492.05
6	106 PCB-135	41.13	41.13	1.531e4	1.088e4	1.240	1.41	NO	241.96	241.96
7	107 PCB-144	41.24	41.24	4.221e3	3.589e3	1.240	1.17	NO	84.410	84.410
8	108 PCB-147	41.37	41.37	2.100e3	1.918e3	1.240	1.10	NO	41.036	41.036
9	109 PCB-139/149	41.66	41.63	8.975e4	6.857e4	1.240	1.31	NO	1423.6	1423.6
10	110 PCB-140	41.84	41.83	9.907e2	7.216e2	1.240	1.37	NO	18.388	18.388



Dataset: Untitled

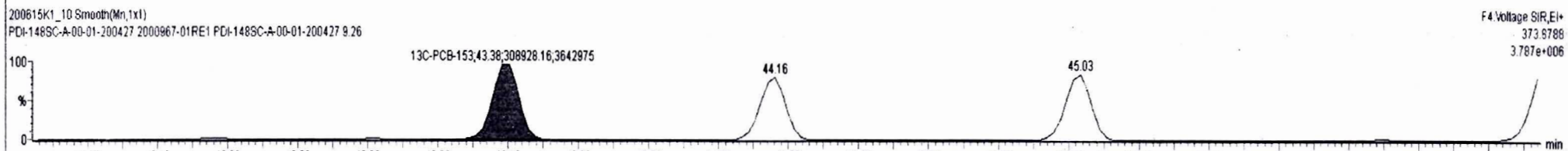
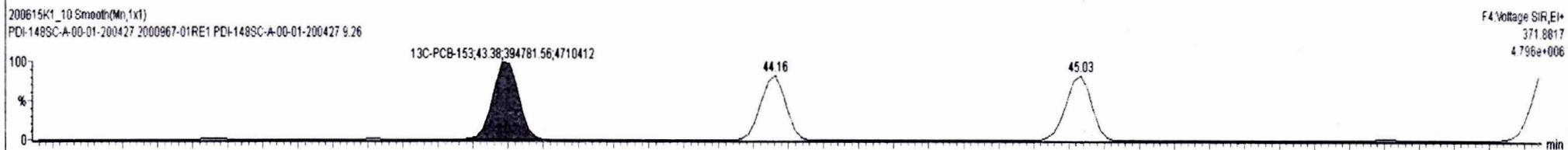
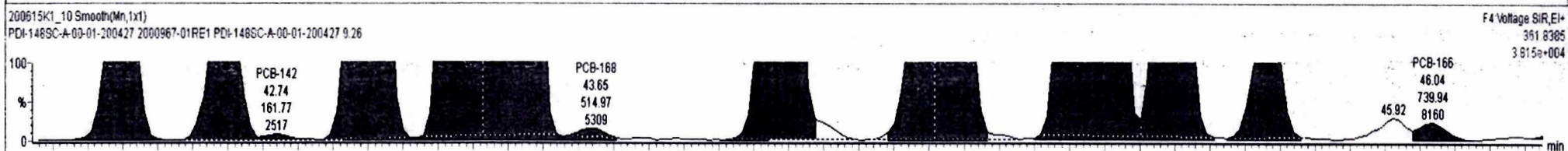
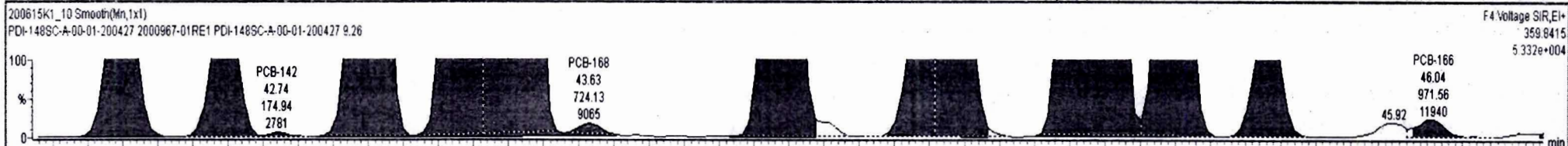
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Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427



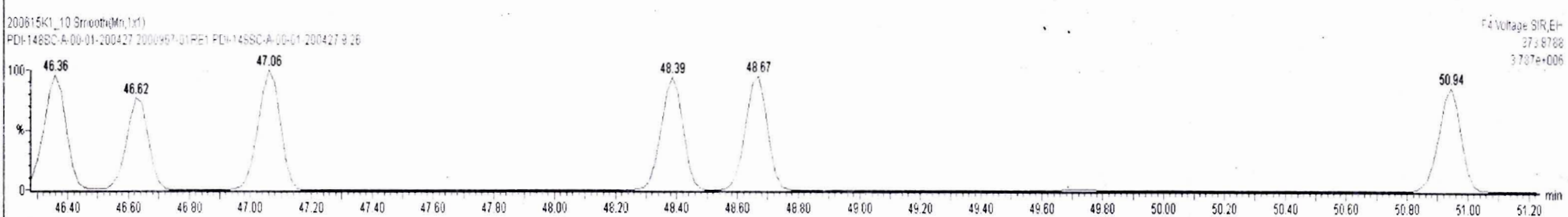
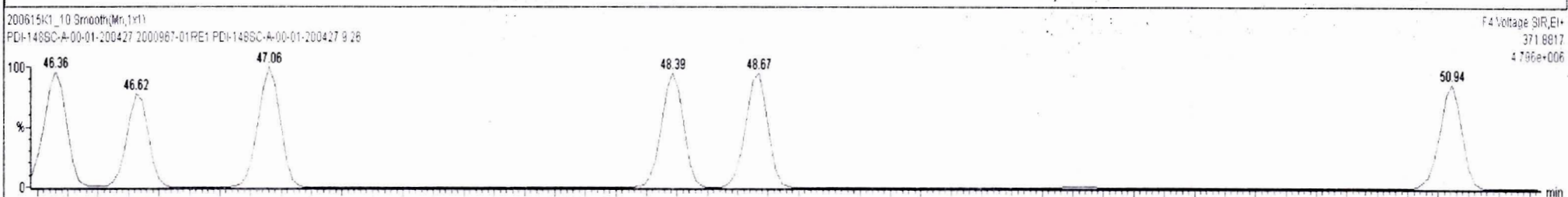
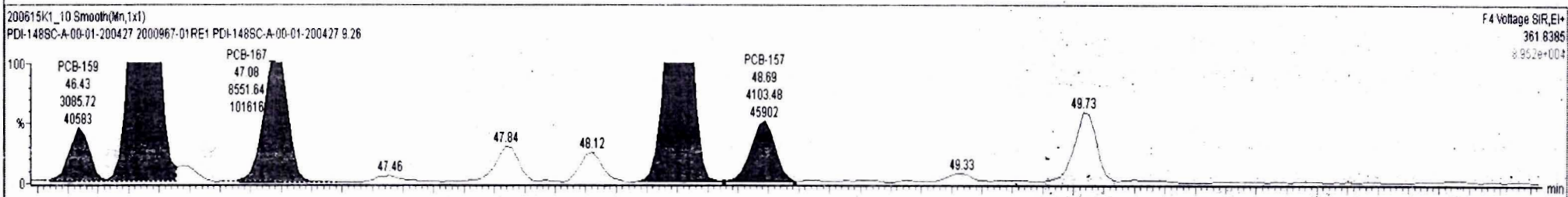
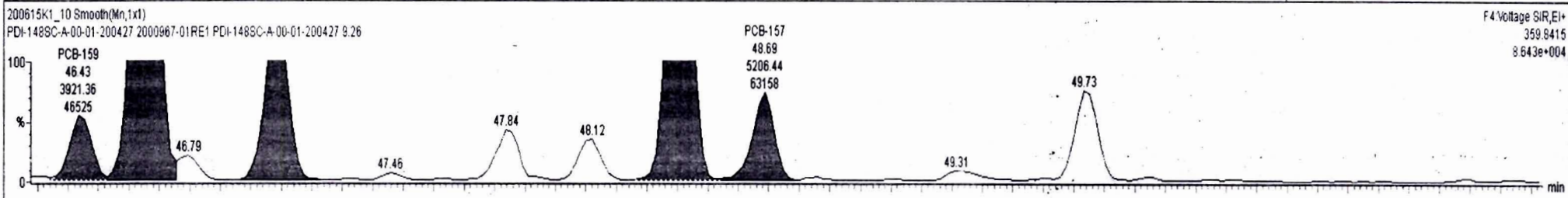
#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				1.0316	5.029	0.00		0.000		NO	4853		12.7	4853
233	233 Total Hepta-PCBs				1.3551	5.029	0.00		0.000		NO	3744		17.3	3759
234	234 4th Function Octa-PCBs				1.0008	5.029	0.00		0.000		NO	694.8		7.71	694.8

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	111 PCB-134/143	42.30	42.31	1.259e4	1.009e4	1.240	1.25	NO	84.443	84.443
2	112 PCB-131/133	42.59	42.59	8.835e3	7.855e3	1.240	1.12	NO	57.459	57.459
3	113 PCB-142	42.74	42.74	1.749e2	1.618e2	1.240	1.08	NO	1.2614	1.2614
4	114 PCB-146/165	42.98	43.01	5.893e4	4.757e4	1.240	1.24	NO	296.02	296.02
5	115 PCB-132/161	43.22	43.27	8.002e4	6.633e4	1.240	1.21	NO	403.79	403.79
6	116 PCB-153	43.40	43.42	3.099e5	2.517e5	1.240	1.23	NO	1482.2	1482.2
7	117 PCB-168	43.63	43.63	7.241e2	5.150e2	1.240	1.41	NO	3.2502	3.2502
8	118 PCB-141	44.18	44.18	4.641e4	3.853e4	1.240	1.20	NO	286.78	286.78
9	119 PCB-137	44.58	44.58	7.767e3	6.421e3	1.240	1.21	NO	44.289	44.289
10	120 PCB-130	44.68	44.69	1.396e4	1.143e4	1.240	1.22	NO	99.422	99.422
11	121 PCB-138/163/164	45.07	45.05	3.065e5	2.499e5	1.240	1.23	NO	1471.1	1471.1
12	122 PCB-158/160	45.32	45.30	2.967e4	2.385e4	1.240	1.24	NO	146.47	146.47
13	123 PCB-129	45.58	45.56	7.618e3	6.382e3	1.240	1.19	NO	54.820	54.820
14	124 PCB-166	46.04	46.04	9.716e2	7.399e2	1.240	1.31	NO	4.2353	4.2353



#	Name	Resp	RA	nly	RRF	wt/Vol	Pred.RT	RT	Pred.R.	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				1.0316	5.029	0.00		0.000		NO	4853		12.7	4853
233	233 Total Hepta-PCBs				1.3551	5.029	0.00		0.000		NO	3744		17.3	3759
234	234 4th Function Octa-PCBs				1.0008	5.029	0.00		0.000		NO	694.8		7.71	694.8

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	** Ratio (Pred)	RA	nly	EMPC	Conc.
15	125 PCB-159	46.38	46.43	3.921e3	3.086e3	1.240	1.27	NO	16.292	16.292
16	126 PCB-128/162	46.66	46.64	3.655e4	2.844e4	1.240	1.29	NO	202.58	202.58
17	127 PCB-167	47.08	47.08	1.043e4	8.552e3	1.240	1.22	NO	48.598	48.598
18	128 PCB-156	48.41	48.40	2.627e4	2.120e4	1.240	1.24	NO	124.02	124.02
19	129 PCB-157	48.71	48.69	5.206e3	4.103e3	1.240	1.27	NO	26.048	26.048



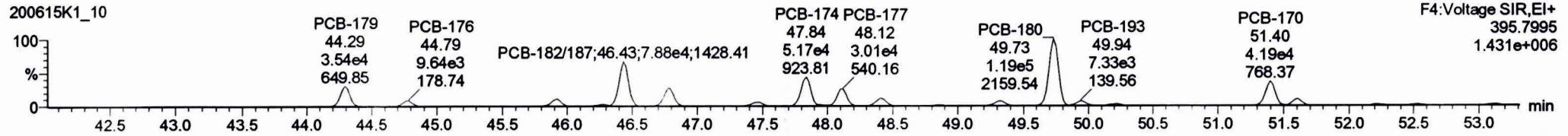
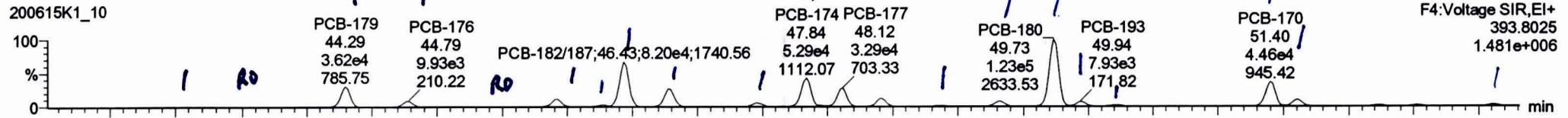


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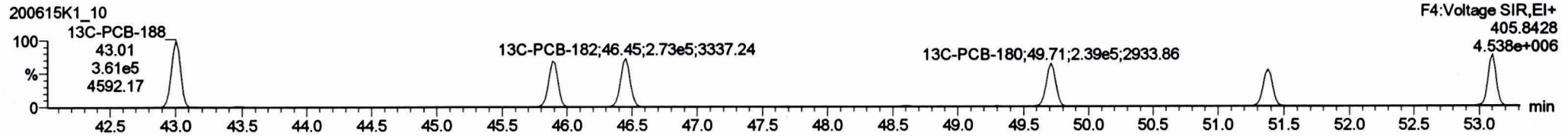
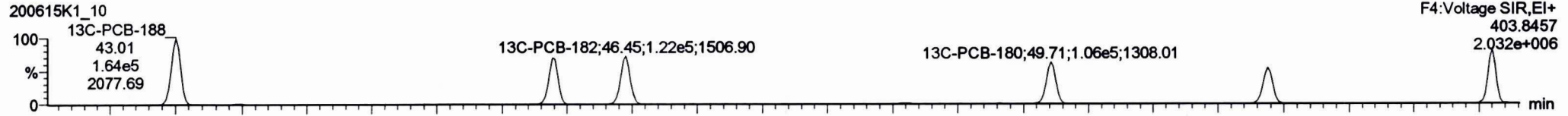
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Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

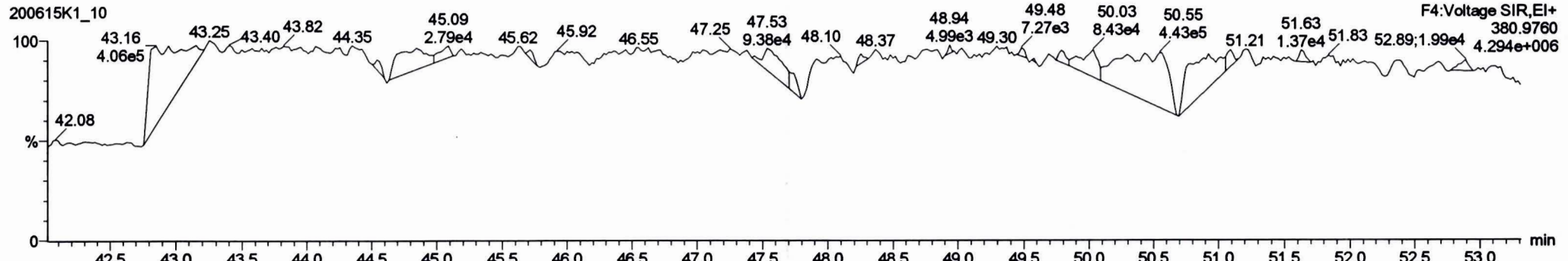
**PCB-188**



**13C-PCB-188**



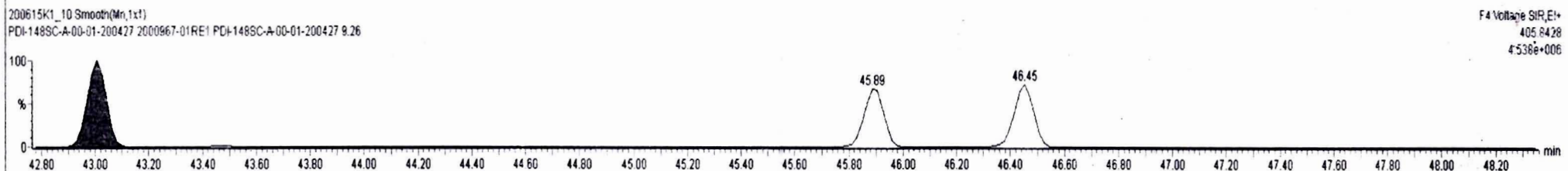
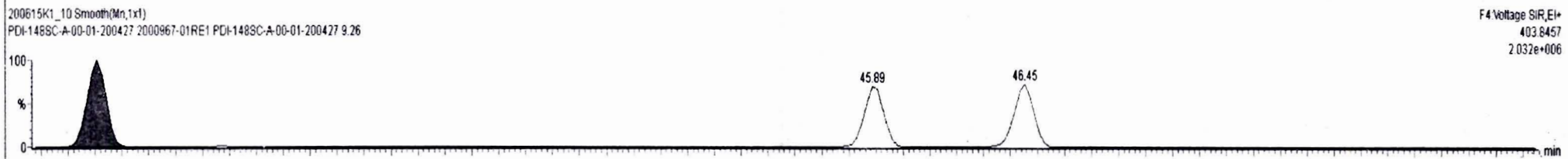
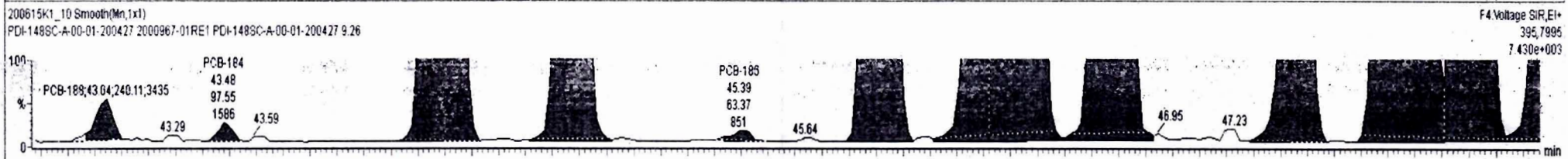
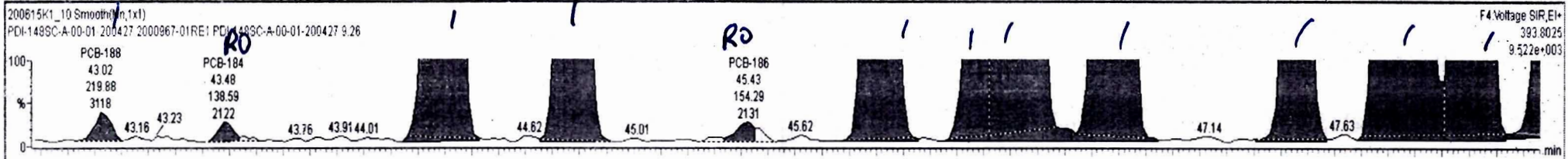
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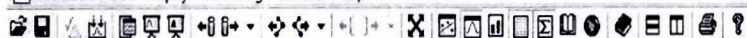


200615K1\_10 - 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26 - PDI-148SC-A-00-01-200427

#	Name	Resp	RA	nly	RRF	wtMol	PredRT	RT	PredR...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.029	0.00		0.000		NO	3753		17.3	3767
234	234 4th Function Octa-PCBs				1.0008	5.029	0.00		0.000		NO	694.8		7.71	694.8
235	235 5th Function Octa-PCBs				1.1499	5.029	0.00		0.000		NO	260.9		3.32	260.9

#	Name	PredRT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	131 PCB-188	43.04	43.02	2.199e2	2.401e2	1.050	0.92	NO	1.3510	1.3510
2	132 PCB-184	43.47	43.48	1.386e2	9.755e1	1.050	1.42	YES	0.61504	0.00000
3	133 PCB-178	44.30	44.29	3.627e4	3.541e4	1.050	1.02	NO	209.17	209.17
4	134 PCB-176	44.76	44.79	9.949e3	9.695e3	1.050	1.03	NO	56.859	56.859
5	135 PCB-186	45.39	45.43	5.43e2	6.337e1	1.050	2.43	YES	0.37025	0.00000
6	136 PCB-178	45.91	45.92	1.354e4	1.226e4	1.050	1.10	NO	103.68	103.68
7	137 PCB-175	46.26	46.28	2.422e3	2.357e3	1.050	1.03	NO	16.932	16.932
8	136 PCB-182187	46.44	46.43	8.236e4	7.899e4	1.050	1.04	NO	573.23	573.23
9	139 PCB-183	46.78	46.78	3.400e4	3.222e4	1.050	1.06	NO	245.21	245.21
10	140 PCB-165	47.46	47.46	6.251e3	6.342e3	1.050	0.99	NO	51.582	51.582
11	141 PCB-174	47.84	47.84	5.307e4	5.189e4	1.050	1.02	NO	446.47	446.47
12	143 PCB-177	48.10	48.12	3.302e4	3.014e4	1.050	1.10	NO	284.60	284.60

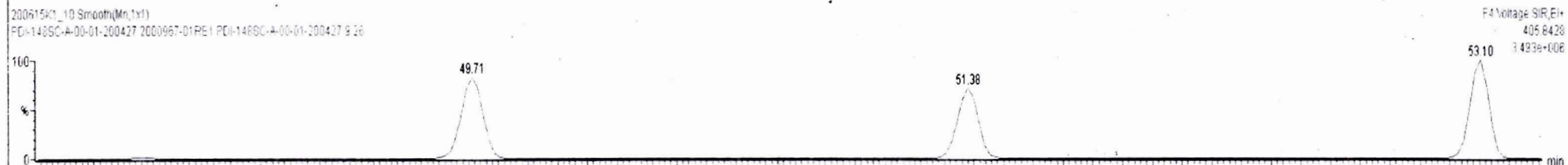
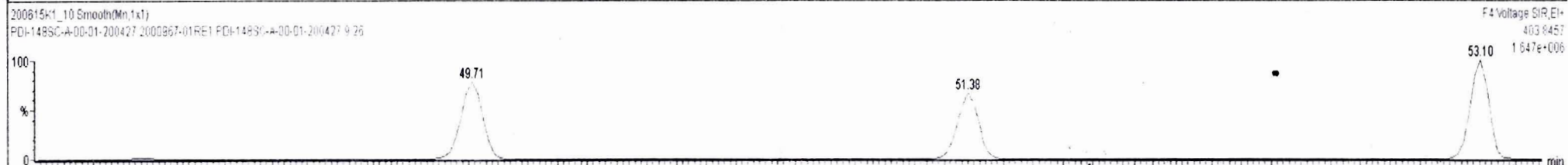
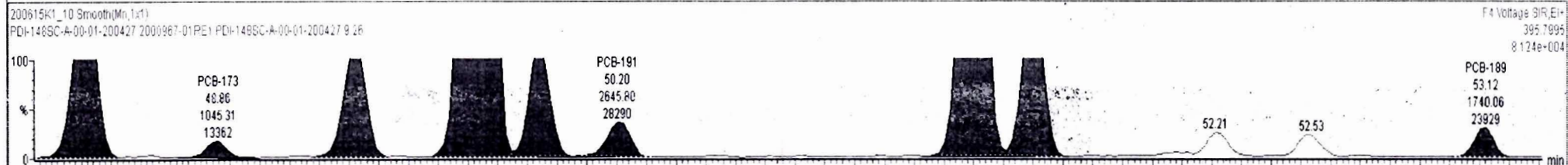
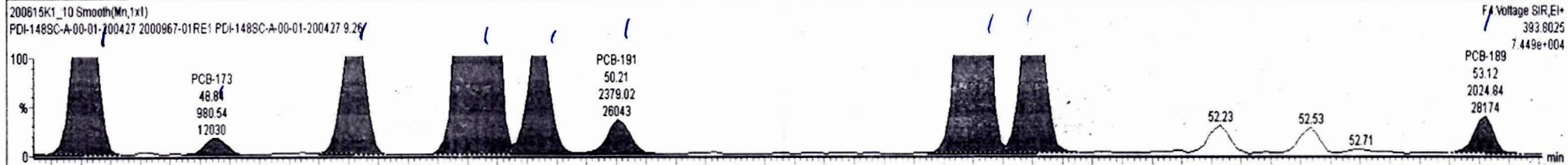




200615K1\_10 - 2000967-01PE1 PDI-148SC-A-00-01-200427 9 26 - PDI-148SC-A-00-01-200427

#	Name	Resp	RA	nly	RRF	w/Mol	PredRT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
223	223 Total Hepta-PCBs				1.3551	5.029	0.00		0.000		NO	3773		17.3	3774
224	224 4th Function Octa-PCBs				1.0008	5.029	0.00		0.000		NO	694.8		7.71	694.8
225	225 5th Function Octa-PCBs				1.1499	5.029	0.00		0.000		NO	260.9		3.52	260.9

#	Name	PredRT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
13	144 PCB-171	48.40	48.40	1.452e4	1.361e4	1.050	1.07	NO	123.03	123.03
14	145 PCB-173	48.84	48.84	9.805e2	1.045e3	1.050	0.94	NO	9.8030	9.8030
15	146 PCB-172	49.31	49.31	8.737e3	7.928e3	1.050	1.10	NO	69.775	69.775
16	148 PCB-180	49.73	49.73	1.231e5	1.187e5	1.050	1.04	NO	986.36	986.36
17	149 PCB-193	49.94	49.94	7.934e3	7.474e3	1.050	1.06	NO	52.909	52.909
18	150 PCB-191	50.20	50.21	2.379e3	2.646e3	1.050	0.90	NO	16.918	16.918
19	151 PCB-170	51.40	51.40	4.474e4	4.215e4	1.050	1.06	NO	425.65	425.65
20	152 PCB-190	51.58	51.61	1.167e4	1.071e4	1.050	1.09	NO	82.978	82.978
21	153 PCB-189	53.12	53.12	2.025e3	1.740e3	1.050	1.16	NO	14.137	14.137



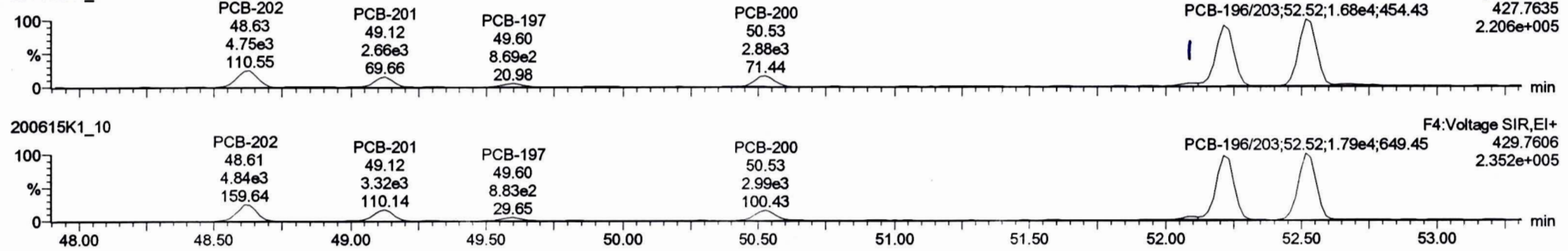
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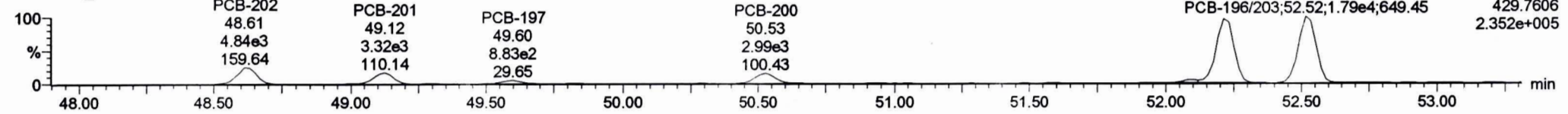
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**PCB-202**

200615K1\_10

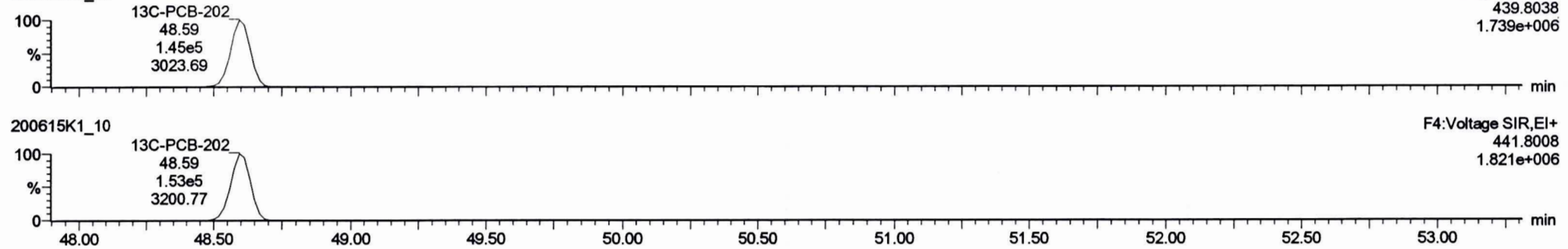


200615K1\_10

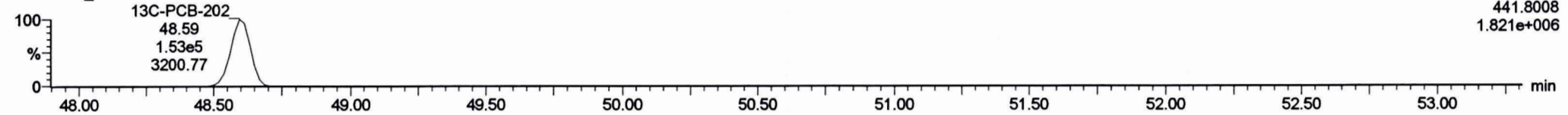


**13C-PCB-202**

200615K1\_10

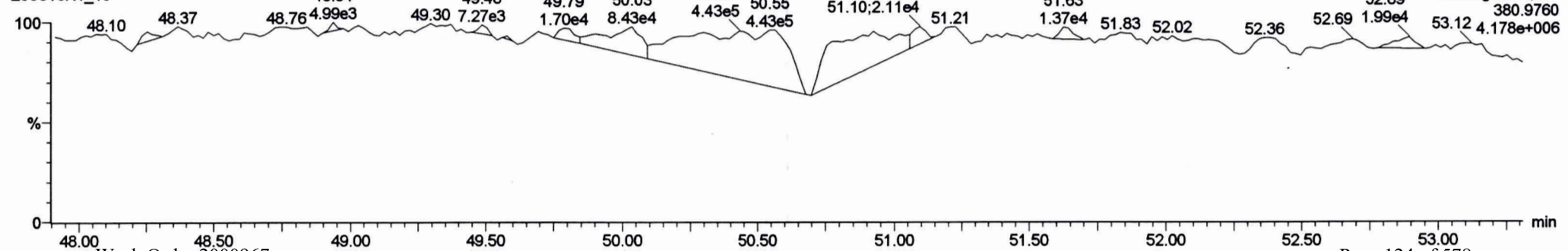


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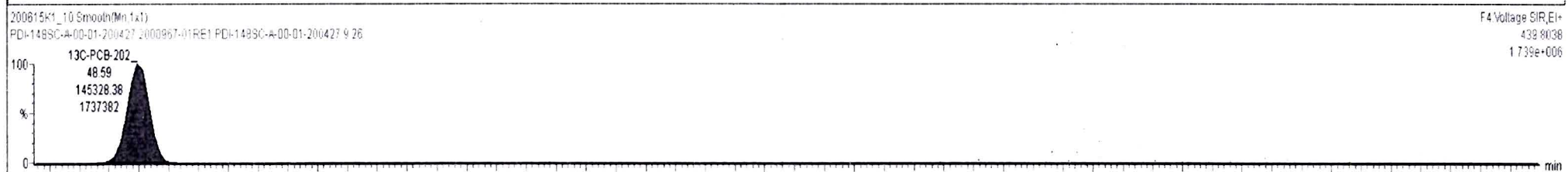
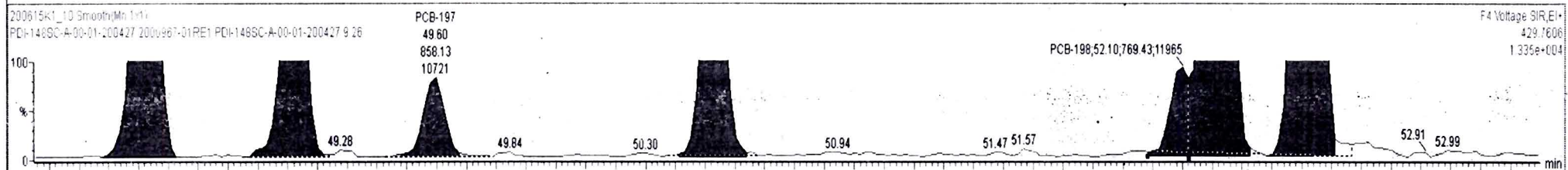
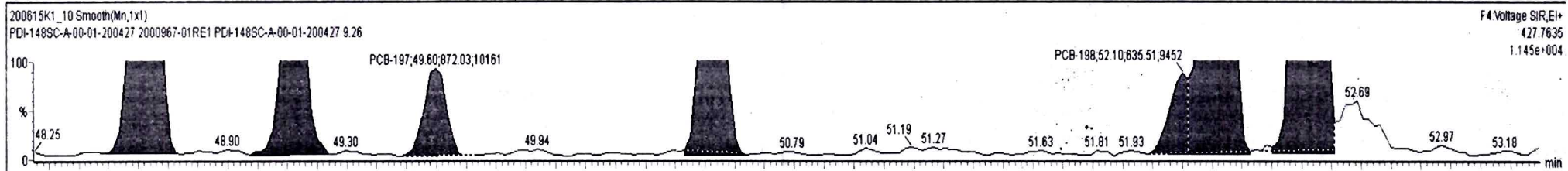
**PFK4d**

200615K1\_10



#	Name	Resp	RA	nly	RRF	w/Vol	PredRT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				1.0008	5.029	0.00		0.000		NO	696.5		7.71	696.5
235	235 5th Function Octa-PCBs				1.1499	5.029	0.00		0.000		NO	260.9		3.32	260.9
236	236 Total Nona-PCBs				0.9523	5.029	0.00		0.000		NO	193.3		2.57	193.3

#	Name	PredRT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	154 PCB-202	48.63	48.63	4.749e3	4.836e3	0.890	0.98	NO	54.728	54.728
2	155 PCB-201	49.12	49.13	2.661e3	3.308e3	0.890	0.80	NO	37.819	37.819
3	157 PCB-197	49.59	49.60	8.720e2	8.581e2	0.890	1.02	NO	10.189	10.189
4	158 PCB-200	50.52	50.53	2.956e3	2.994e3	0.890	0.99	NO	37.078	37.078
5	159 PCB-198	52.10	52.10	6.355e2	7.694e2	0.890	0.83	NO	11.805	11.805
6	160 PCB-199	52.20	52.21	1.528e4	1.741e4	0.890	0.88	NO	269.48	269.48
7	161 PCB-196/203	52.52	52.52	1.682e4	1.780e4	0.890	0.94	NO	275.43	275.43



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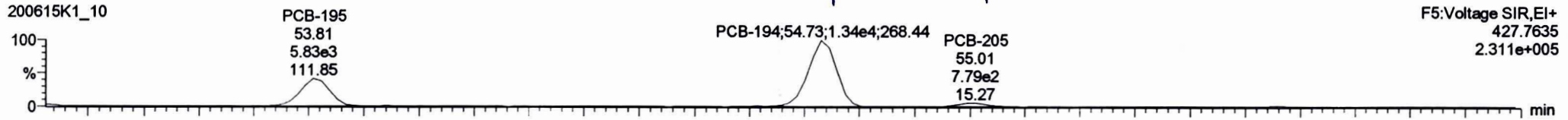
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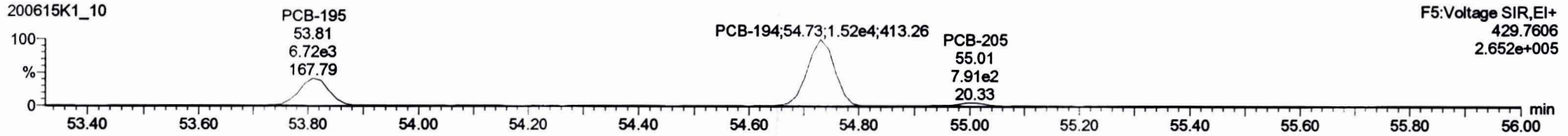
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**PCB-195**

200615K1\_10

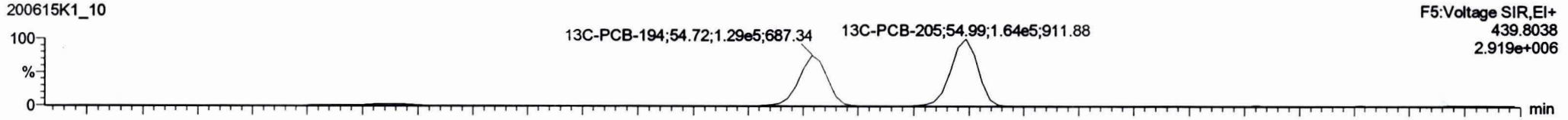


200615K1\_10

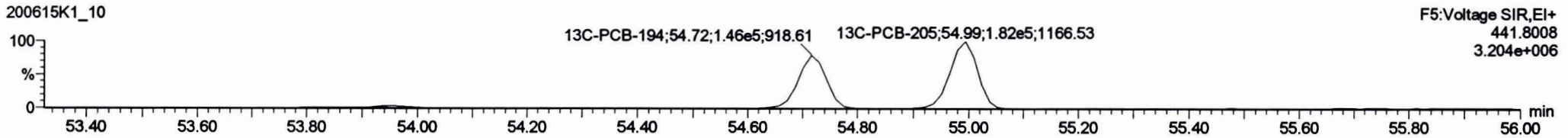


**13C-PCB-194**

200615K1\_10

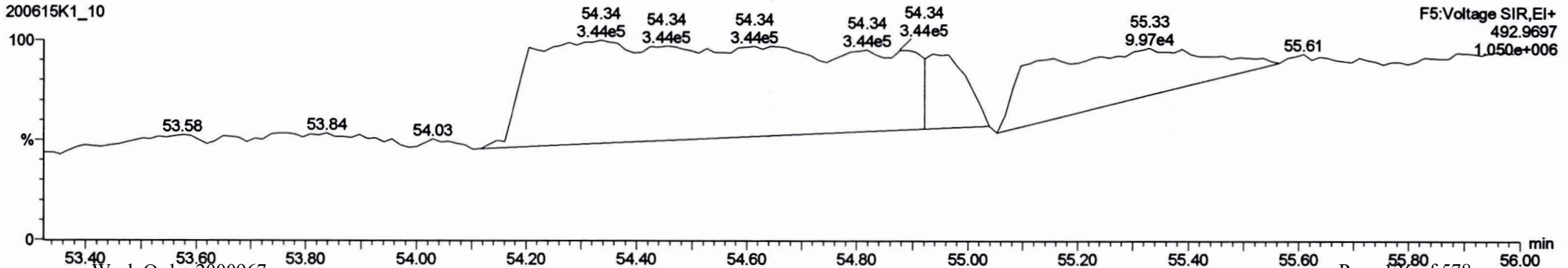


200615K1\_10



**PFK5a**

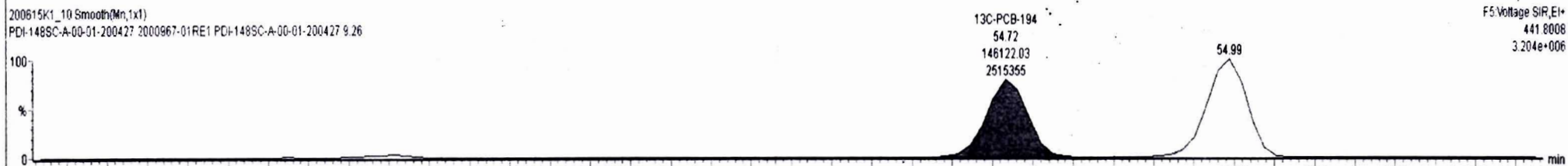
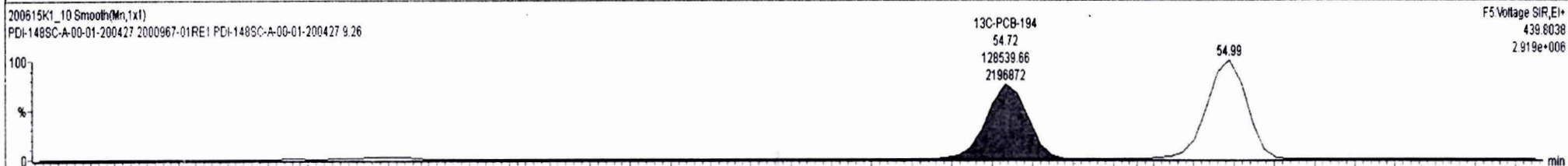
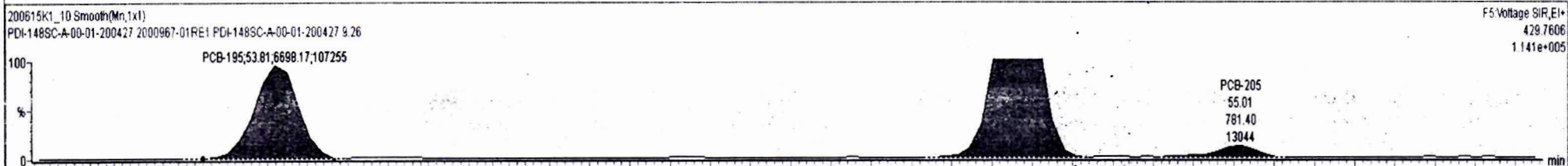
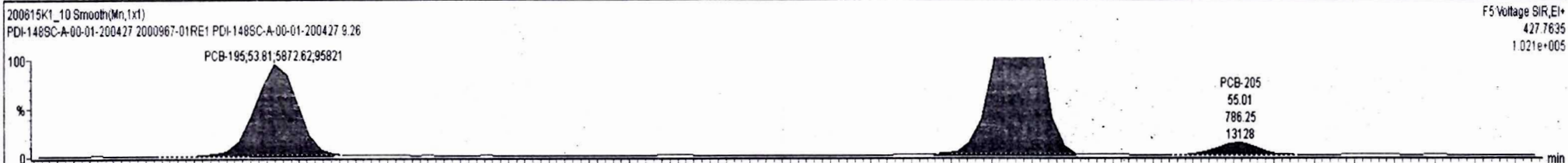
200615K1\_10



200615K1\_10 - 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26 - PDI-148SC-A-00-01-200427

#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
235	235 5th Function Octa-PCBs				1.1489	5.029	0.00		0.000		NO	262.4		3.32	262.4
236	236 Total Nona-PCBs				0.9523	5.029	0.00		0.000		NO	193.3		2.57	193.3
237	237 Deca-CB				0.9864	5.029	0.00		0.000		NO	172.8		0.481	172.8

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	162 PCB-195	53.81	53.81	5.873e3	6.699e3	0.890	0.88	NO	87.135	87.135
2	163 PCB-194	54.73	54.73	1.358e4	1.517e4	0.890	0.89	NO	186.51	186.51
3	164 PCB-205	55.00	55.01	7.863e2	7.814e2	0.890	1.01	NO	8.8022	8.8022

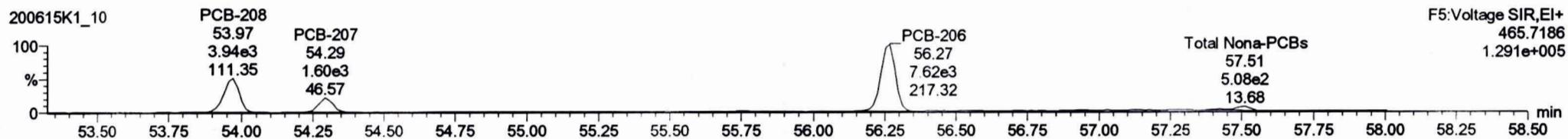


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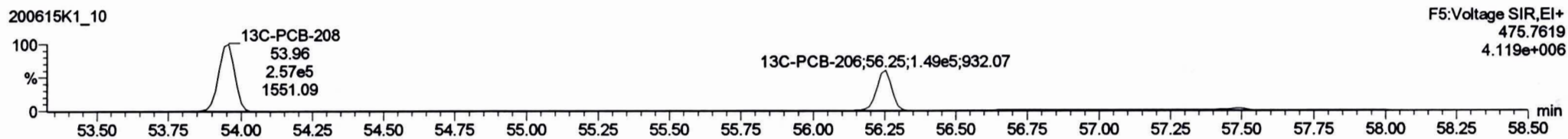
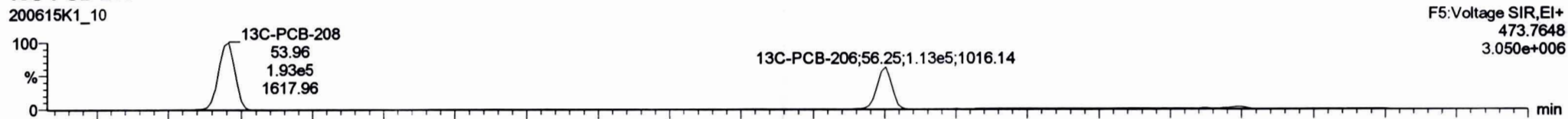
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Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

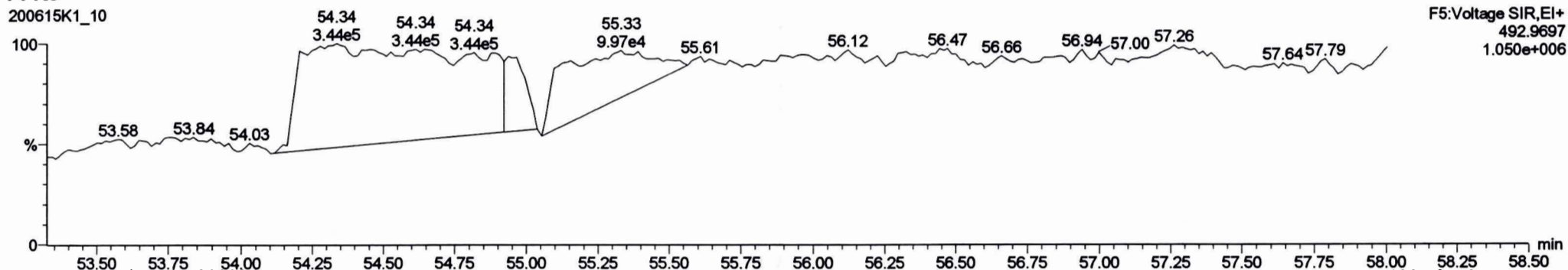
**PCB-208**



**13C-PCB-208**



**PFK5**





Dataset: Untitled

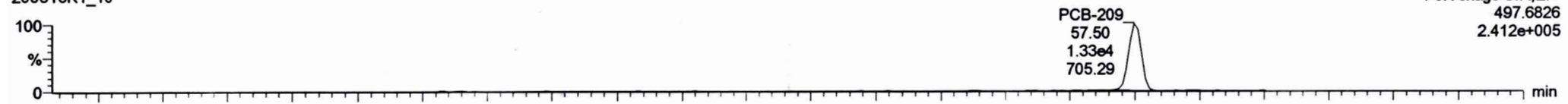
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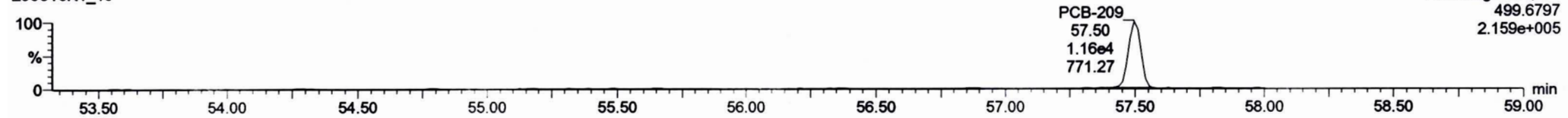
Name: 200615K1\_10, Date: 15-Jun-2020, Time: 22:03:06, ID: 2000967-01RE1 PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

**PCB-209**

200615K1\_10

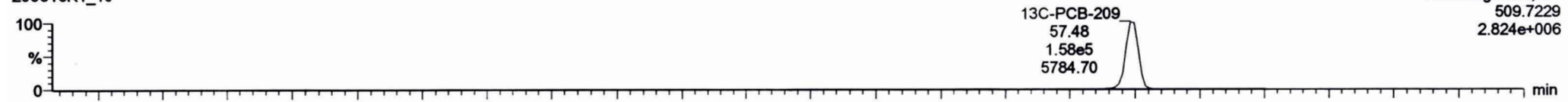


200615K1\_10

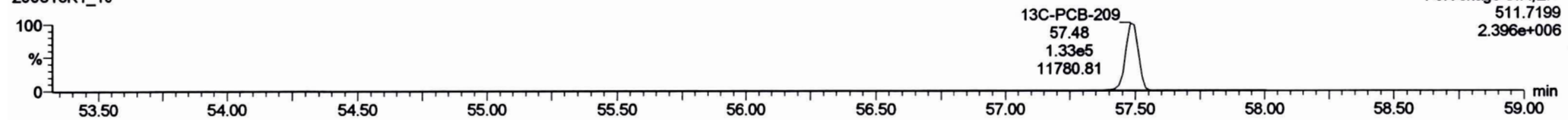


**13C-PCB-209**

200615K1\_10

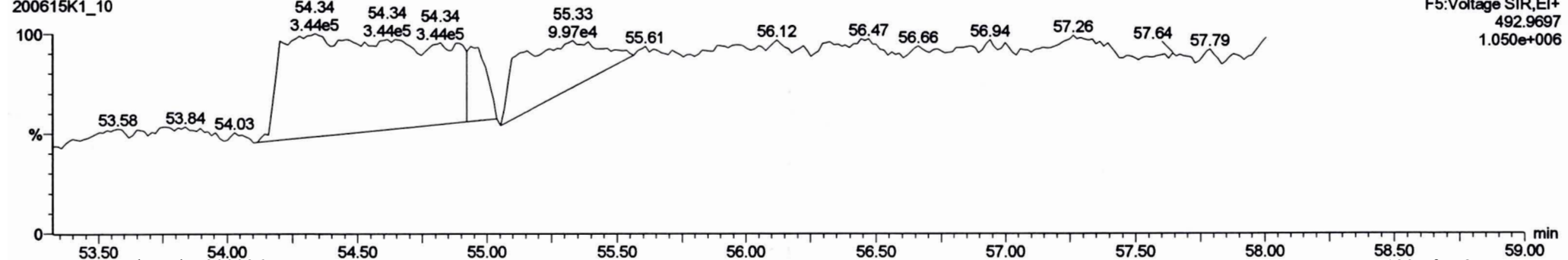


200615K1\_10



**PFK5b**

200615K1\_10



Dataset: U:\VG11.PRO\Results\200617K2\200617K2-6.qld

Last Altered: Thursday, June 18, 2020 2:08:46 PM Pacific Daylight Time

Printed: Thursday, June 18, 2020 2:57:59 PM Pacific Daylight Time

*dy 06-18-2020 CT 07/03/2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_6-13-20.mdb 14 Jun 2020 13:31:38

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.41e3	2.94	NO	1.17	5.029	15.54	15.55	1.001	1.001	NO	16.41		1.73	16.41
2	2 PCB-2	3.03e3	2.83	NO	1.18	5.029	17.95	17.95	0.988	0.988	NO	30.74		1.62	30.74
3	3 PCB-3	2.01e3	3.09	NO	1.15	5.029	18.18	18.19	1.001	1.001	NO	20.99		1.66	20.99
4	4 PCB-4/10	3.31e3	1.62	NO	1.25	5.029	19.60	19.54	1.004	1.001	NO	42.94		7.70	42.94
5	5 PCB-7/9			NO	0.960	5.029	21.41		1.003		YES			6.09	
6	6 PCB-6	5.48e3	1.36	NO	1.02	5.029	22.06	22.06	1.033	1.033	NO	52.80		5.71	52.80
7	7 PCB-5/8	1.22e4	1.47	NO	0.992	5.029	22.46	22.45	1.052	1.052	NO	121.6		5.89	121.6
8	8 PCB-14			NO	1.02	5.029	23.61		0.952		YES			6.05	
9	9 PCB-11	1.14e4	1.43	NO	1.13	5.029	24.83	24.83	1.001	1.001	NO	93.87		5.46	93.87
10	10 PCB-12/13	3.51e3	1.36	NO	1.03	5.029	25.27	25.22	1.018	1.016	NO	31.70		5.99	31.70
11	11 PCB-15	1.02e4	1.50	NO	1.03	5.029	25.58	25.55	1.031	1.030	NO	91.69		5.95	91.69
12	12 PCB-19	2.98e3	0.98	NO	1.11	5.029	23.79	23.79	1.001	1.001	NO	57.03		4.85	57.03
13	13 PCB-30			NO	1.79	5.029	24.69		1.039		YES			2.99	
14	14 PCB-18	2.09e4	1.00	NO	0.818	5.029	25.46	25.46	0.952	0.952	NO	361.1		4.31	361.1
15	15 PCB-17	1.05e4	1.01	NO	0.758	5.029	25.63	25.65	0.958	0.959	NO	196.8		4.65	196.8
16	16 PCB-24/27	2.64e3	1.17	NO	1.08	5.029	26.25	26.22	0.981	0.980	NO	34.53		3.26	34.53
17	17 PCB-16/32	1.57e4	1.05	NO	0.925	5.029	26.77	26.76	1.001	1.000	NO	239.5		3.81	239.5
18	1... PCB-209	5.76e3	1.18	NO	0.986	5.029	57.47	57.48	1.000	1.000	NO	184.3		1.40	184.3
19	1... 13C-PCB-1	1.46e5	3.27	NO	0.893	5.029	15.52	15.53	0.608	0.608	NO	1432	72.0	9.08	
20	1... 13C-PCB-3	1.66e5	3.31	NO	0.911	5.029	18.17	18.17	0.712	0.712	NO	1588	79.8	8.90	
21	1... 13C-PCB-4	1.23e5	1.59	NO	0.600	5.029	19.52	19.52	0.765	0.765	NO	1790	90.0	4.32	
22	1... 13C-PCB-9	2.02e5	1.66	NO	0.970	5.029	21.35	21.35	0.836	0.836	NO	1817	91.4	2.67	
23	1... 13C-PCB-11	2.14e5	1.59	NO	0.962	5.029	24.79	24.81	0.971	0.972	NO	1946	97.9	2.70	
24	1... 13C-PCB-19	9.40e4	1.03	NO	0.499	5.029	23.76	23.76	0.931	0.931	NO	1646	82.8	52.6	
25	1... 13C-PCB-32	1.40e5	1.06	NO	0.744	5.029	26.75	26.75	1.048	1.048	NO	1649	82.9	35.3	
26	2... 13C-PCB-209	6.29e4	1.24	NO	0.396	5.029	57.48	57.47	1.046	1.046	NO	2939	148	1.90	
27	2... 13C-PCB-15	2.28e5	1.58	NO	1.00	5.029	25.51	25.53	1.000	0.000	NO	1988	100	2.59	

Dataset: U:\VG11.PRO\Results\200617K2\200617K2-6.qld

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Printed: Thursday, June 18, 2020 2:58:38 PM Pacific Daylight Time

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Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	2... 13C-PCB-205	1.07e5	0.91	NO	1.00	5.029	54.97	54.97	1.000	0.000	NO	1988	100	4.13	
2	2... Total Mono-PCBs				1.17	5.029	0.00		0.000		NO	68.14		5.01	68.14
3	2... Total Di-PCBs				1.05	5.029	0.00		0.000		NO	434.6		48.8	434.6
4	2... 2nd Function Tri-PCBs				1.08	5.029	0.00		0.000		NO	889.0		23.9	889.0
5	2... Deca-CB				0.986	5.029	0.00		0.000		NO	184.3		1.40	184.3

Dataset: U:\VG11.PRO\Results\200617K2\200617K2-6.qld

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Printed: Thursday, June 18, 2020 2:27:20 PM Pacific Daylight Time

*ly 06-18-2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_6-13-20.mdb 14 Jun 2020 13:31:38  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

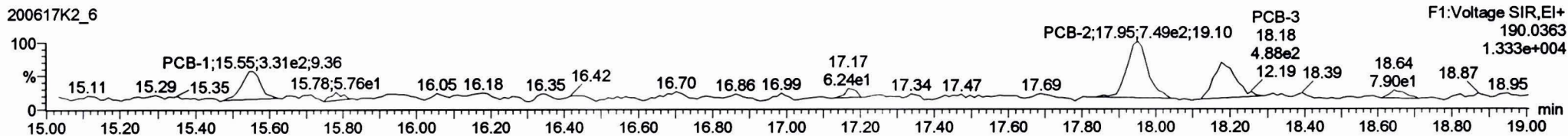
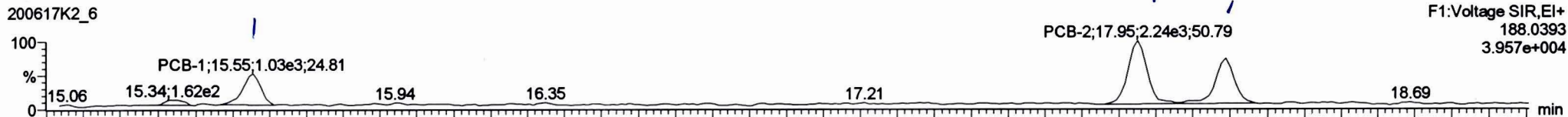
	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.41e3	2.94	NO	1.17	5.029	15.54	15.55	1.001	1.001	NO	16.41		1.73	16.41
2	2 PCB-2	3.03e3	2.83	NO	1.18	5.029	17.95	17.95	0.988	0.988	NO	30.74		1.62	30.74
3	3 PCB-3	2.01e3	3.09	NO	1.15	5.029	18.18	18.19	1.001	1.001	NO	20.99		1.66	20.99
4	4 PCB-4/10	3.31e3	1.62	NO	1.25	5.029	19.60	19.54	1.004	1.001	NO	42.94		7.70	42.94
5	5 PCB-7/9			NO	0.960	5.029	21.41		1.003		YES			6.09	
6	6 PCB-6	5.48e3	1.36	NO	1.02	5.029	22.06	22.06	1.033	1.033	NO	52.80		5.71	52.80
7	7 PCB-5/8	1.22e4	1.47	NO	0.992	5.029	22.46	22.45	1.052	1.052	NO	121.6		5.89	121.6
8	8 PCB-14			NO	1.02	5.029	23.61		0.952		YES			6.05	
9	9 PCB-11	1.14e4	1.43	NO	1.13	5.029	24.83	24.83	1.001	1.001	NO	93.87		5.46	93.87
10	10 PCB-12/13	3.51e3	1.36	NO	1.03	5.029	25.27	25.22	1.018	1.016	NO	31.70		5.99	31.70
11	11 PCB-15	1.02e4	1.50	NO	1.03	5.029	25.58	25.55	1.031	1.030	NO	91.69		5.95	91.69
12	12 PCB-19	2.98e3	0.98	NO	1.11	5.029	23.79	23.79	1.001	1.001	NO	57.03		4.85	57.03
13	13 PCB-30			NO	1.79	5.029	24.69		1.039		YES			2.99	
14	14 PCB-18	2.09e4	1.00	NO	0.818	5.029	25.46	25.46	0.952	0.952	NO	361.1		4.31	361.1
15	15 PCB-17	1.05e4	1.01	NO	0.758	5.029	25.63	25.65	0.958	0.959	NO	196.8		4.65	196.8
16	16 PCB-24/27	2.64e3	1.17	NO	1.08	5.029	26.25	26.22	0.981	0.980	NO	34.53		3.26	34.53
17	17 PCB-16/32	1.57e4	1.05	NO	0.925	5.029	26.77	26.76	1.001	1.000	NO	239.5		3.81	239.5
18	1... PCB-209	5.76e3	1.18	NO	0.986	5.029	57.47	57.48	1.000	1.000	NO	184.3		1.40	184.3
19	1... 13C-PCB-1	1.46e5	3.27	NO	0.893	5.029	15.52	15.53	0.608	0.608	NO	1432	72.0	9.08	
20	1... 13C-PCB-3	1.66e5	3.31	NO	0.911	5.029	18.17	18.17	0.712	0.712	NO	1588	79.8	8.90	
21	1... 13C-PCB-4	1.23e5	1.59	NO	0.600	5.029	19.52	19.52	0.765	0.765	NO	1790	90.0	4.32	
22	1... 13C-PCB-9	2.02e5	1.66	NO	0.970	5.029	21.35	21.35	0.836	0.836	NO	1817	91.4	2.67	
23	1... 13C-PCB-11	2.14e5	1.59	NO	0.962	5.029	24.79	24.81	0.971	0.972	NO	1946	97.9	2.70	
24	1... 13C-PCB-19	9.40e4	1.03	NO	0.499	5.029	23.76	23.76	0.931	0.931	NO	1646	82.8	52.6	
25	1... 13C-PCB-32	1.40e5	1.06	NO	0.744	5.029	26.75	26.75	1.048	1.048	NO	1649	82.9	35.3	
26	2... 13C-PCB-209	6.29e4	1.24	NO	0.396	5.029	57.48	57.47	1.046	1.046	NO	2939	148	1.90	

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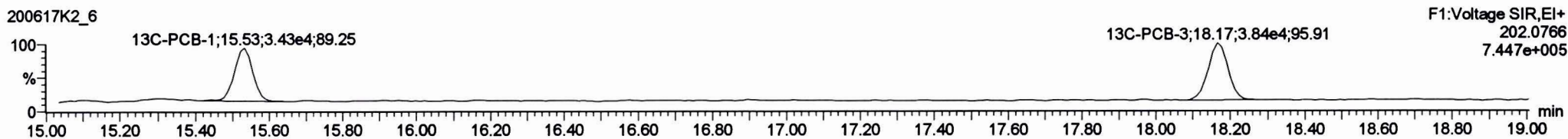
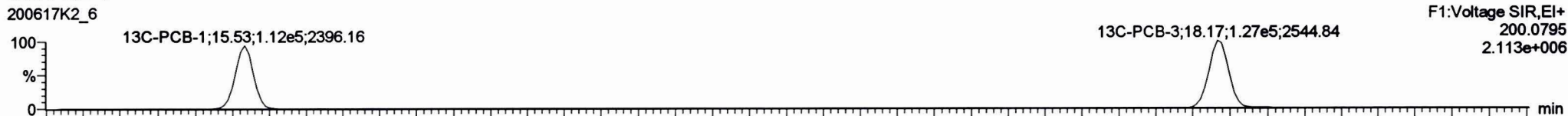
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Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

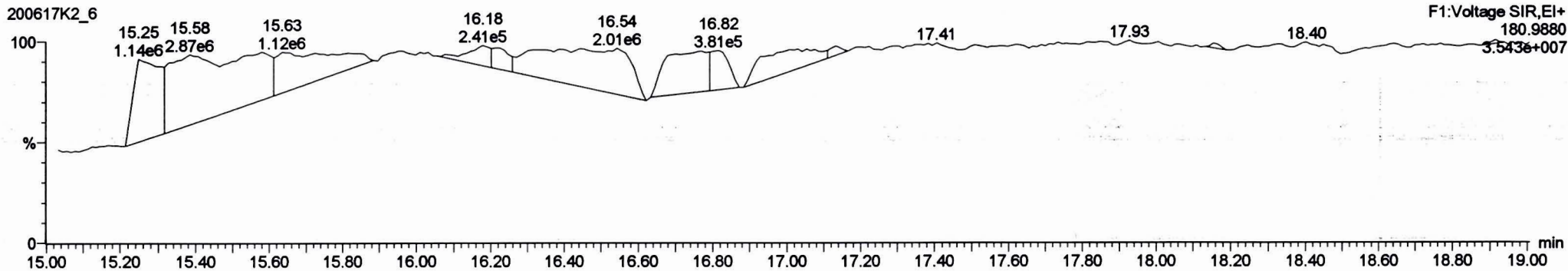
**PCB-1**



**13C-PCB-1**

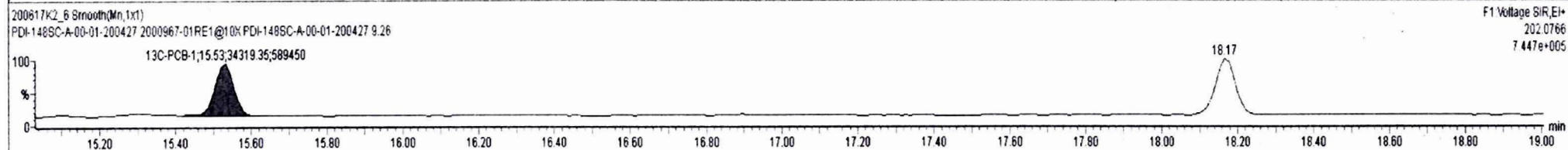
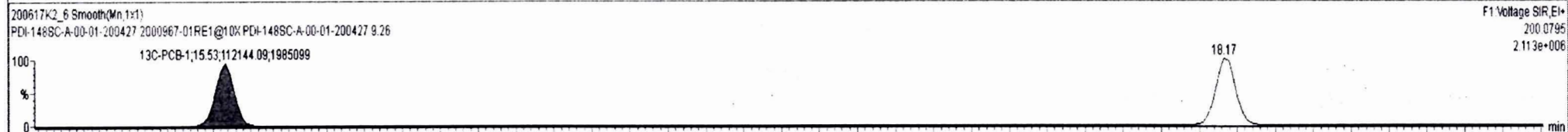
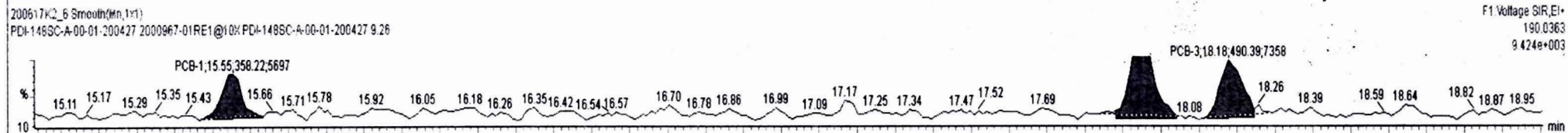
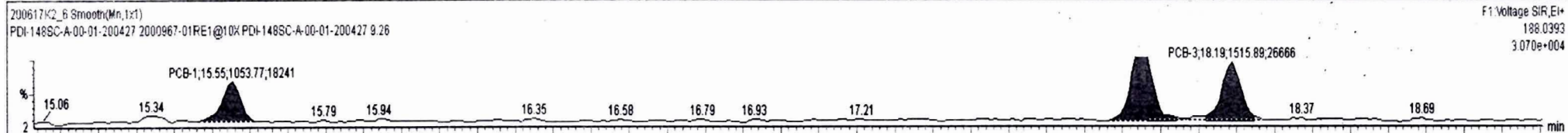


**PFK1**



#	Name	Resp	RA	nly	RRF	w/Vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.029	0.00		0.000		NO	66.14		5.01	66.14
225	225 Total Di-PCBs				1.0537	5.029	0.00		0.000		NO	292.9		48.8	426.8
226	226 2nd Function Tri-PCBs				1.0807	5.029	0.00		0.000		NO	877.6		23.9	877.6
227	227 3rd Function Tri-PCBs				0.9826	5.029	0.00		0.000		NO	1995		60.7	1995

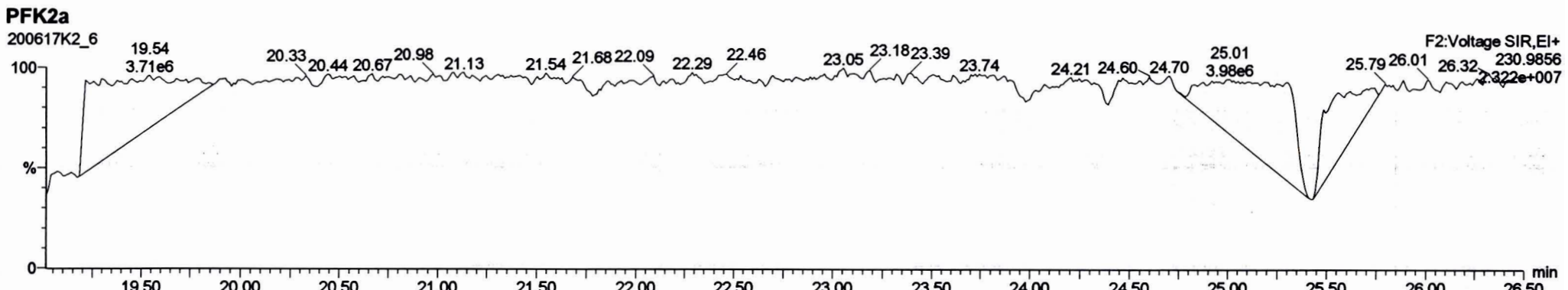
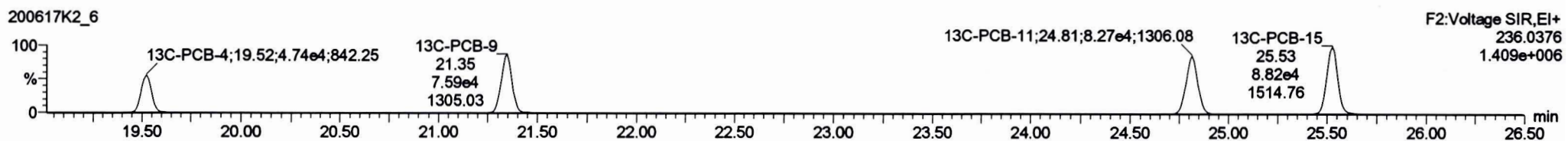
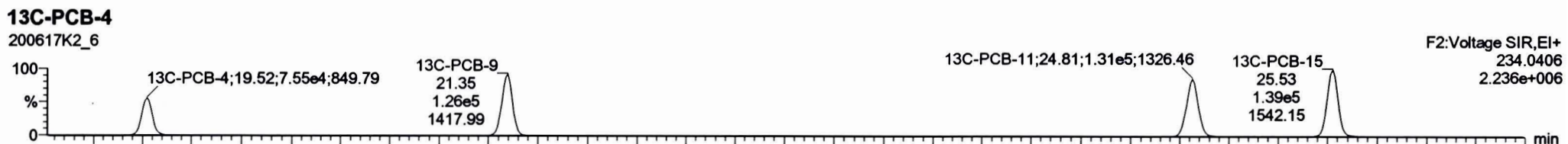
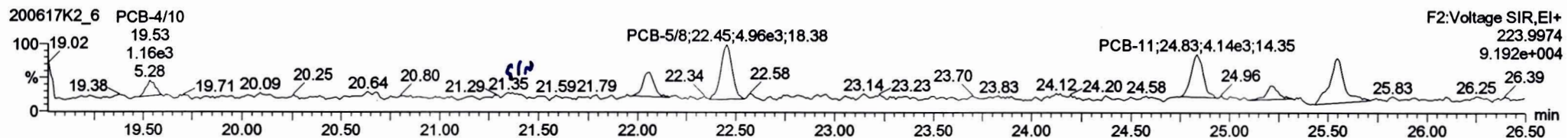
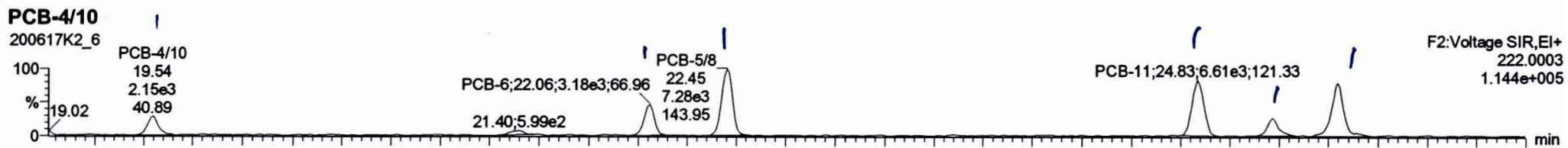
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	1 PCB-1	15.54	15.55	1.054e3	3.582e2	3.130	2.94	NO	16.408	16.408
2	2 PCB-2	17.95	17.95	2.237e3	7.900e2	3.130	2.83	NO	30.741	30.741
3	3 PCB-3	18.18	18.19	1.516e3	4.904e2	3.130	3.09	NO	20.988	20.988



Dataset: Untitled

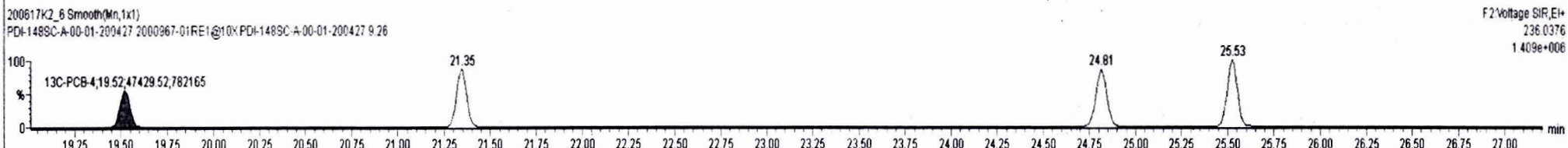
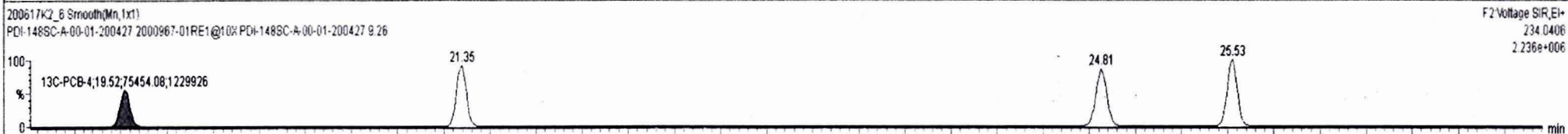
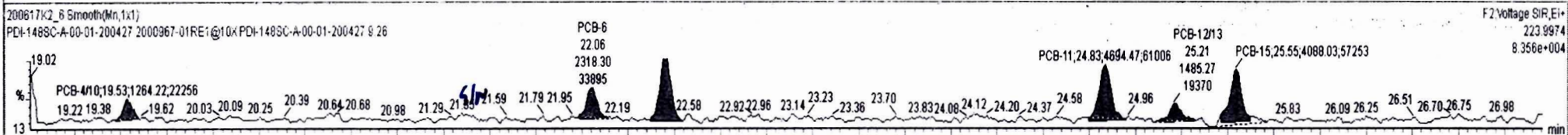
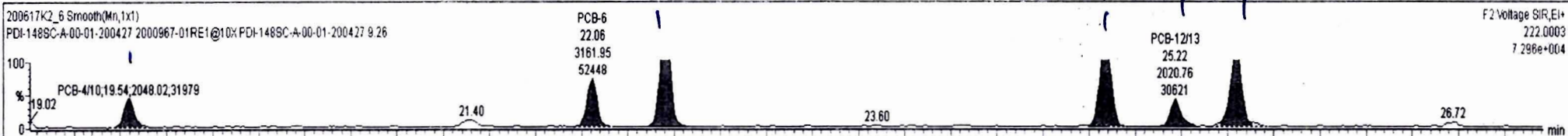
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Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427



#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.029	0.00		0.000		NO	68.14		5.01	68.14
225	225 Total Di-PCBs				1.0537	5.029	0.00		0.000		NO	434.6		48.8	434.6
226	226 2nd Function Tri-PCBs				1.0807	5.029	0.00		0.000		NO	877.8		23.9	877.8
227	227 3rd Function Tri-PCBs				0.9826	5.029	0.00		0.000		NO	1995		60.7	1995

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	4 PCB-4/10	19.60	19.54	2.048e3	1.264e3	1.560	1.62	NO	42.944	42.944
2	6 PCB-6	22.06	22.06	3.162e3	2.318e3	1.560	1.36	NO	52.799	52.799
3	7 PCB-5/8	22.46	22.45	7.278e3	4.959e3	1.560	1.47	NO	121.59	121.59
4	9 PCB-11	24.83	24.83	6.695e3	4.694e3	1.560	1.43	NO	93.871	93.871
5	10 PCB-12/13	25.27	25.22	2.021e3	1.485e3	1.560	1.36	NO	31.704	31.704
6	11 PCB-15	25.58	25.55	6.132e3	4.088e3	1.560	1.50	NO	91.687	91.687



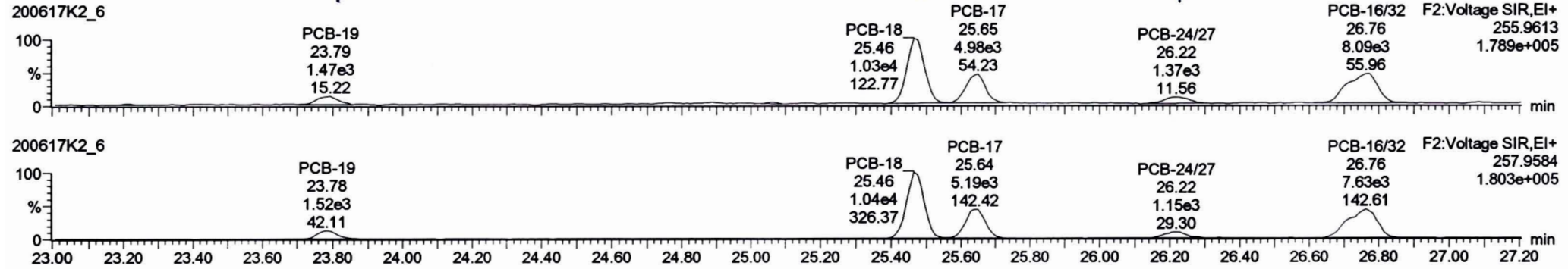


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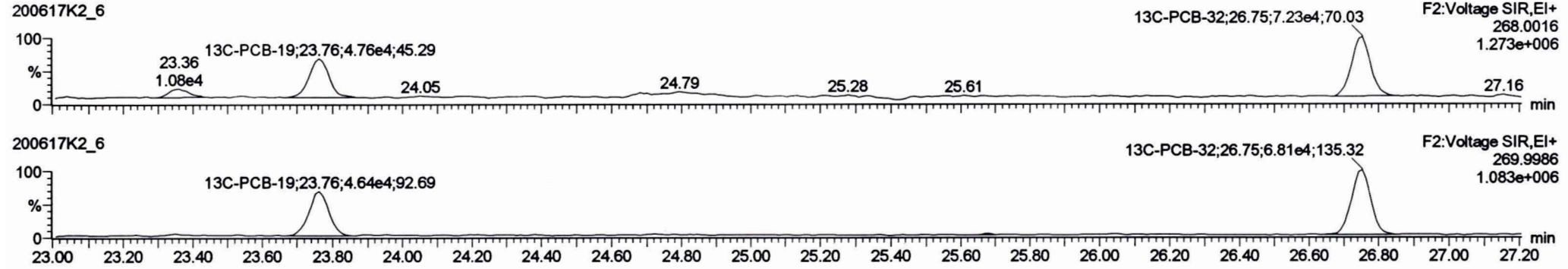
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Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

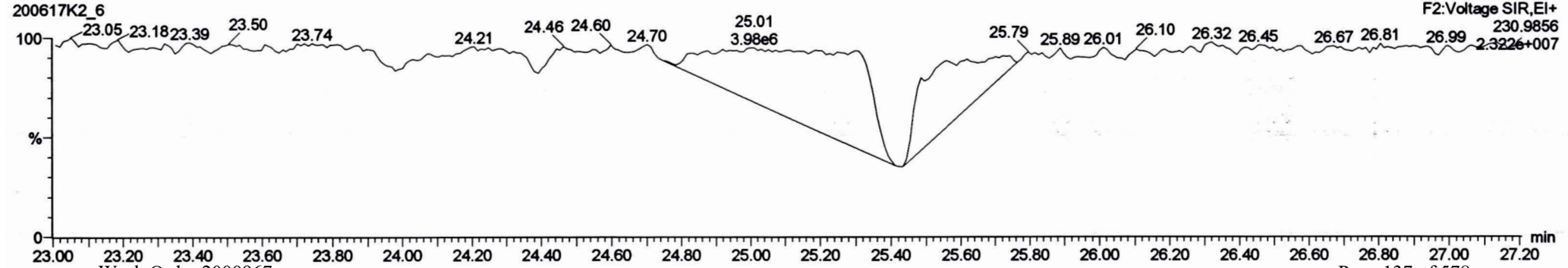
**PCB-19**



**13C-PCB-19**

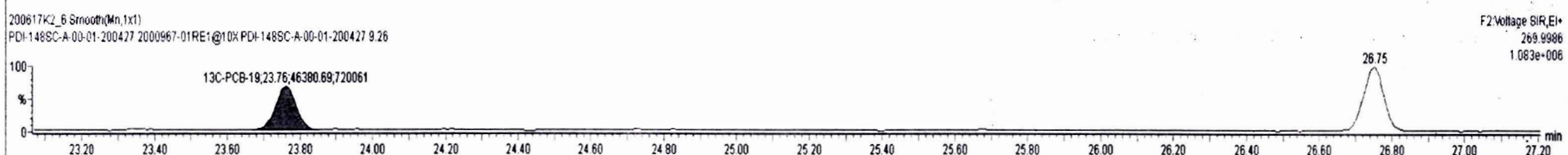
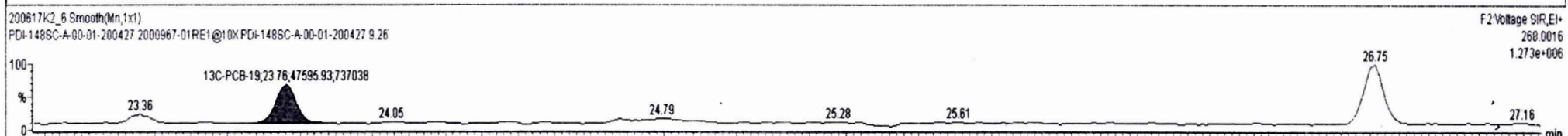
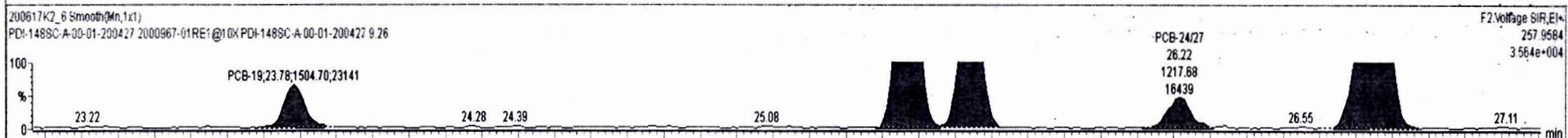
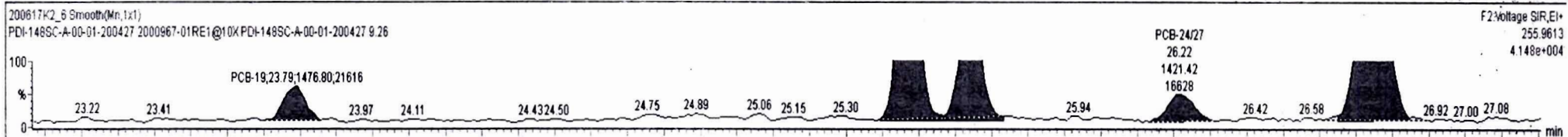


**PFK2b**



#	Name	Resp	RA	nly	RRF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.029	0.00		0.000		NO	68.14		5.01	68.14
225	225 Total Di-PCBs				1.0537	5.029	0.00		0.000		NO	434.6		48.8	434.6
226	226 2nd Function Tri-PCBs				1.0607	5.029	0.00		0.000		NO	869.0		23.9	869.0
227	227 3rd Function Tri-PCBs				0.9828	5.029	0.00		0.000		NO	1995		60.7	1995

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	12 PCB-19	23.79	23.79	1.477e3	1.505e3	1.040	0.98	NO	57.026	57.026
2	14 PCB-18	25.46	25.46	1.042e4	1.043e4	1.040	1.00	NO	361.11	361.11
3	15 PCB-17	25.63	25.65	5.288e3	5.256e3	1.040	1.01	NO	196.84	196.84
4	16 PCB-24/27	26.25	26.22	1.421e3	1.219e3	1.040	1.17	NO	34.532	34.532
5	17 PCB-16/32	26.77	26.76	8.004e3	7.649e3	1.040	1.05	NO	239.48	239.48

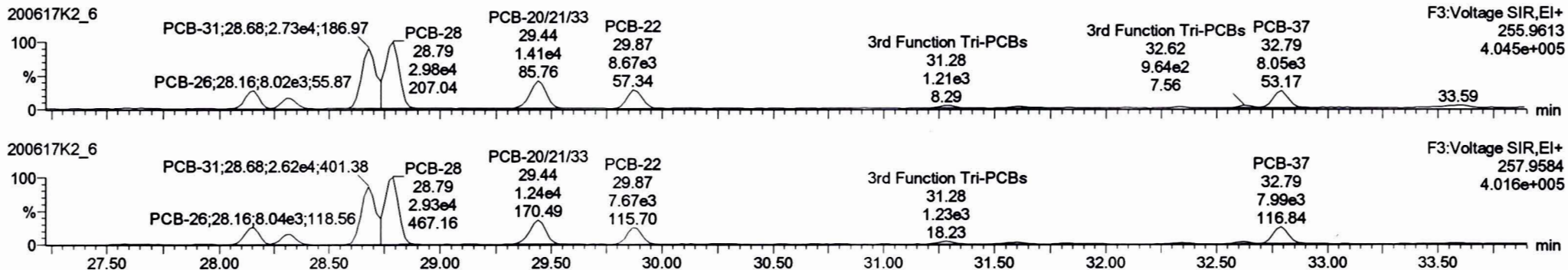


Dataset: Untitled

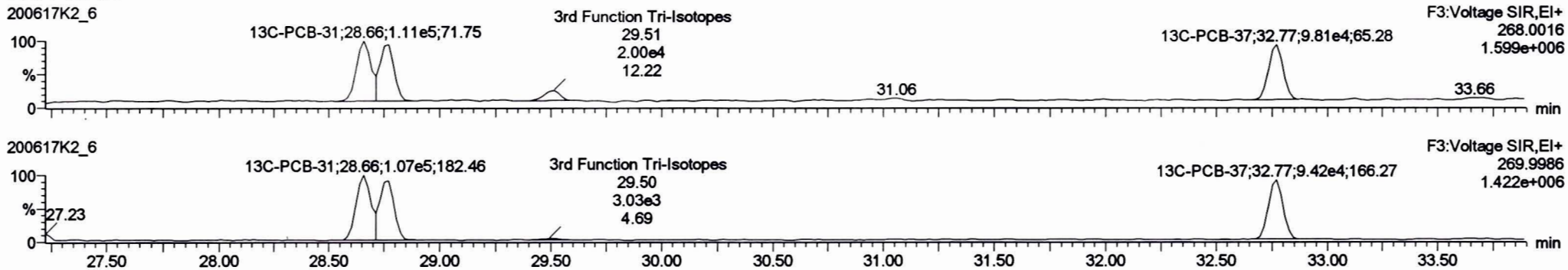
Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
 Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

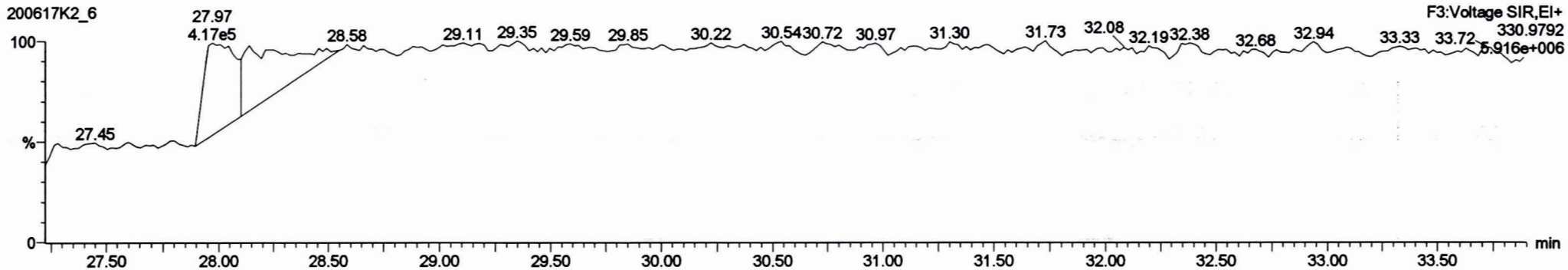
**PCB-34**



**13C-PCB-28**



**PFK3d**

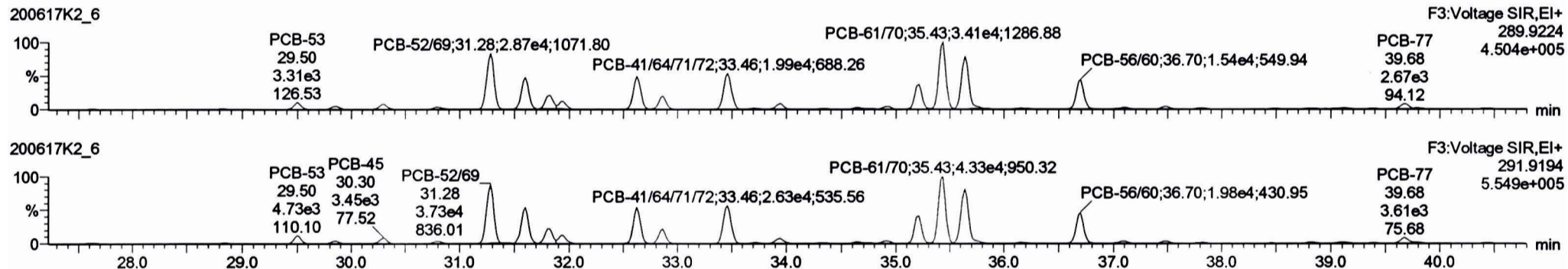


Dataset: Untitled

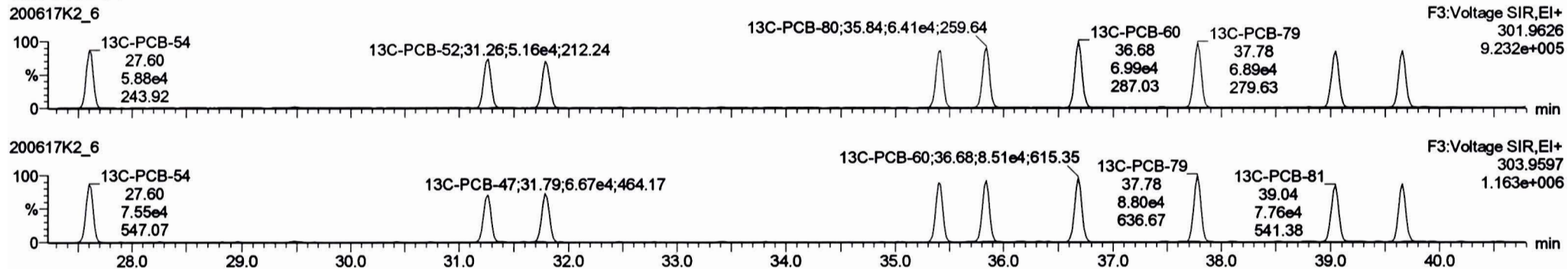
Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
 Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

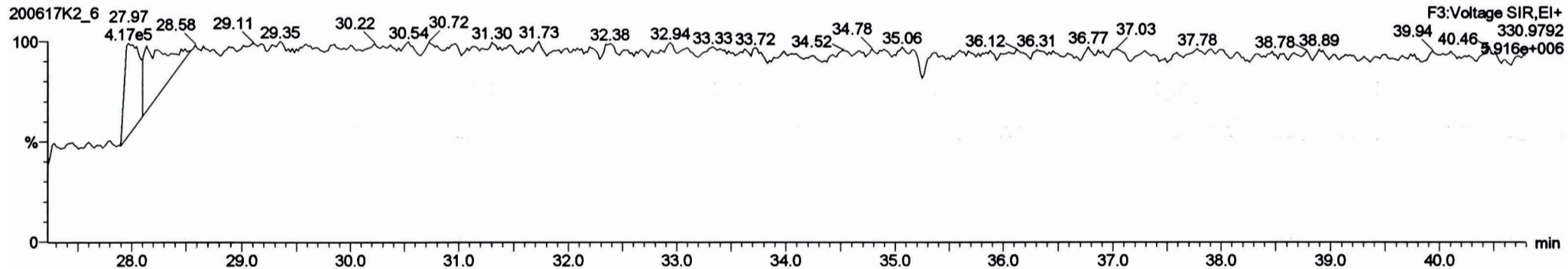
**PCB-54**



**13C-PCB-54**



**PFK3a**



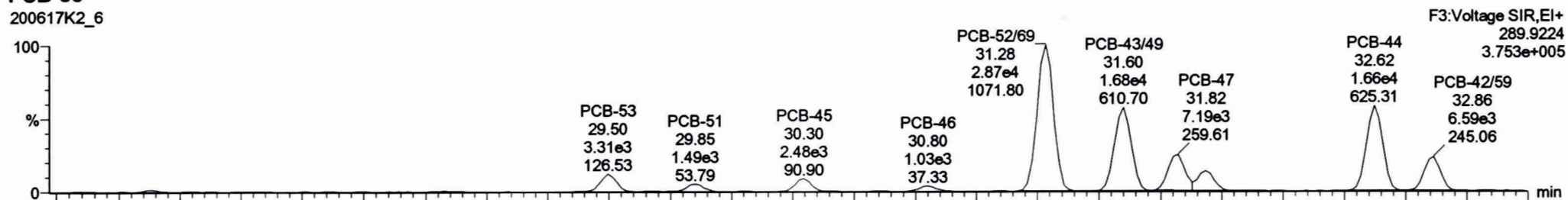
Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

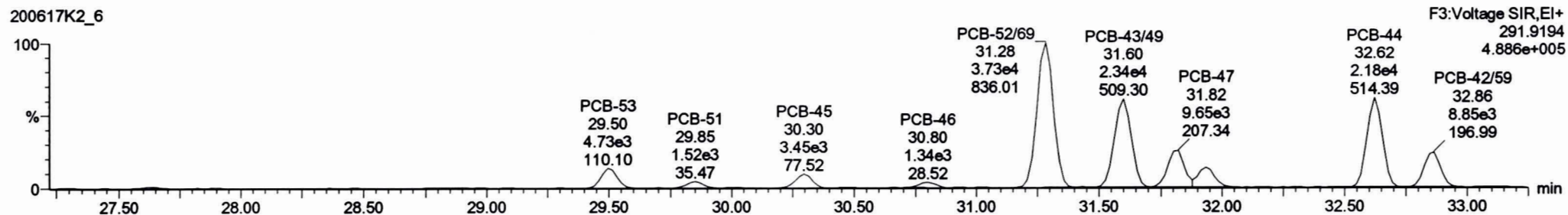
Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

**PCB-50**

200617K2\_6



200617K2\_6

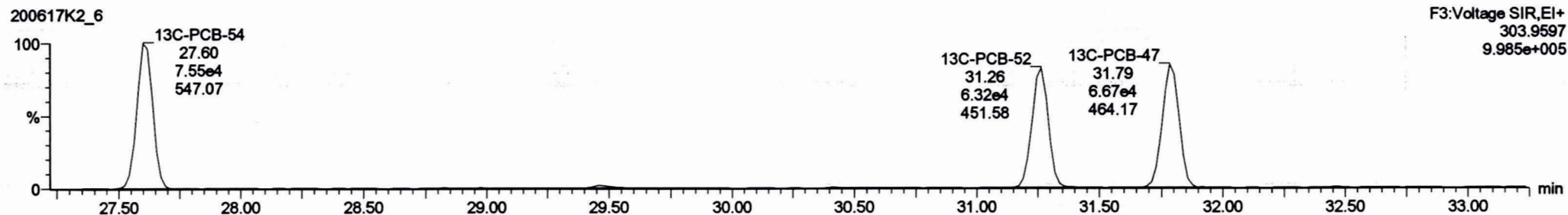


**13C-PCB-52**

200617K2\_6



200617K2\_6



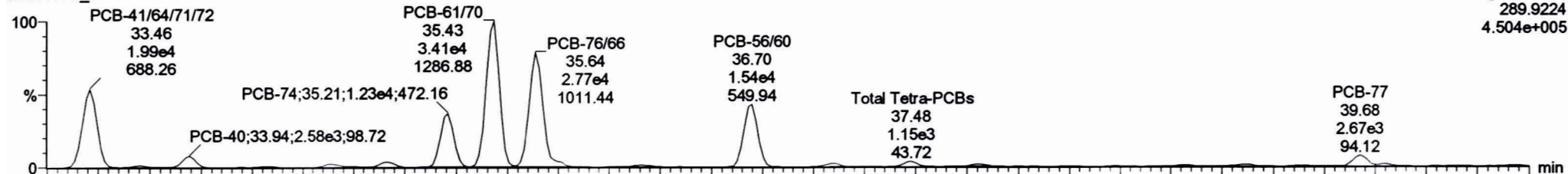
Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
 Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

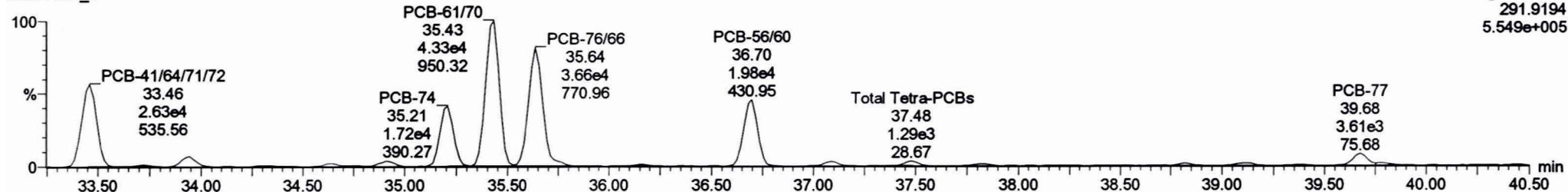
Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

**PCB-68**

200617K2\_6

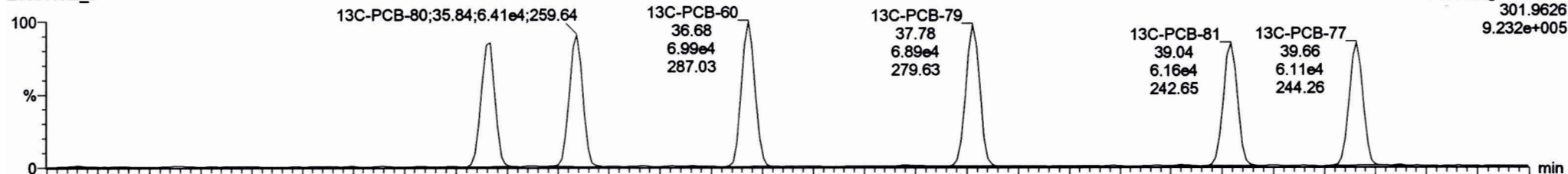


200617K2\_6

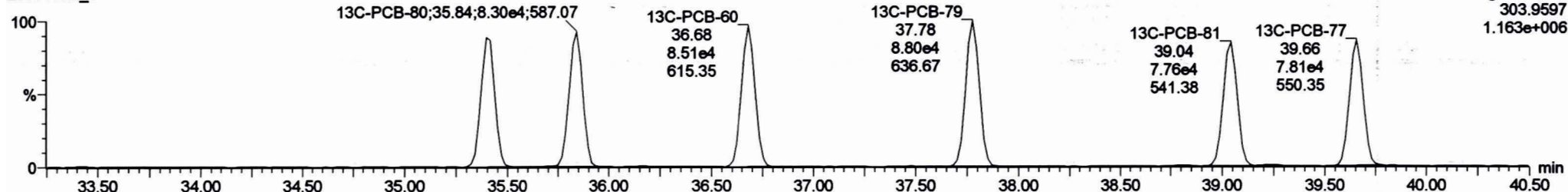


**13C-PCB-60**

200617K2\_6



200617K2\_6



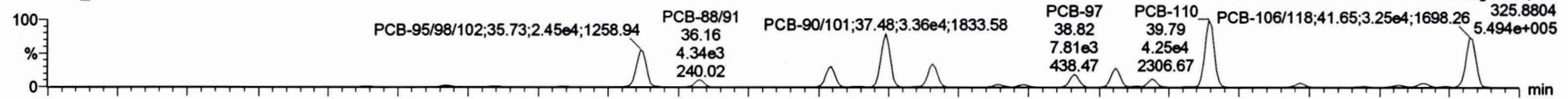
Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

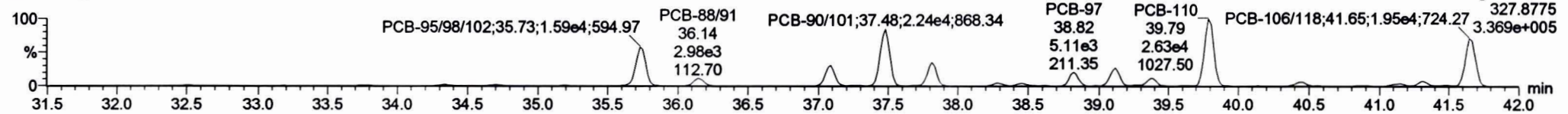
Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

**PCB-104**

200617K2\_6

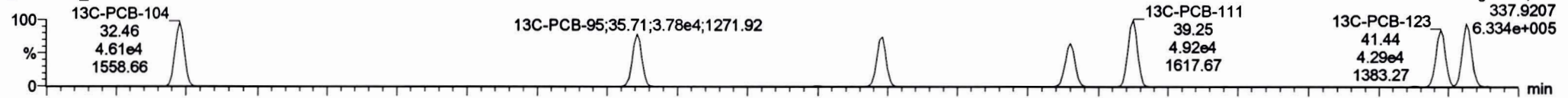


200617K2\_6

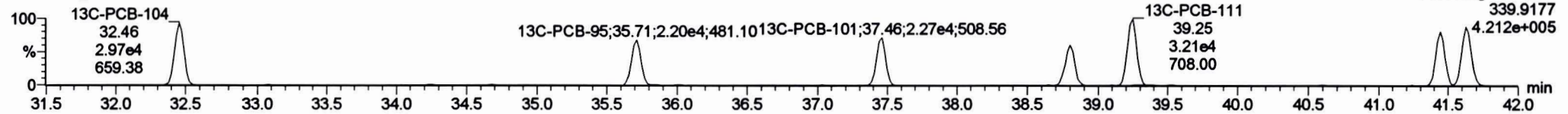


**13C-PCB-104**

200617K2\_6

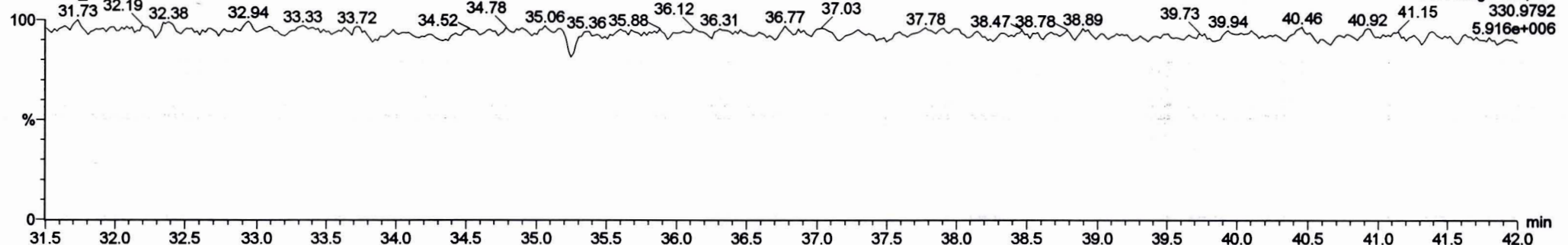


200617K2\_6



**PFK3b**

200617K2\_6



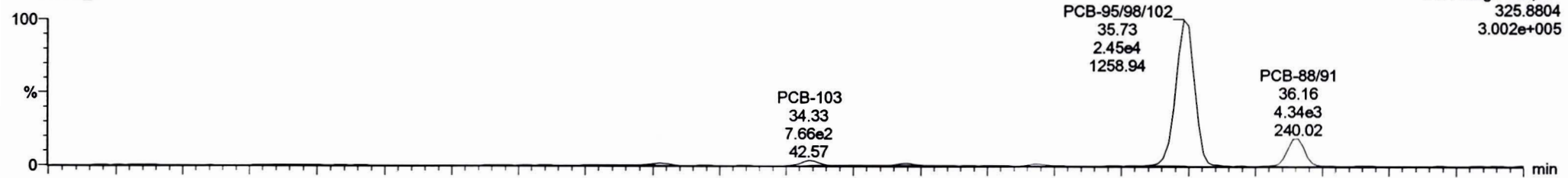
Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

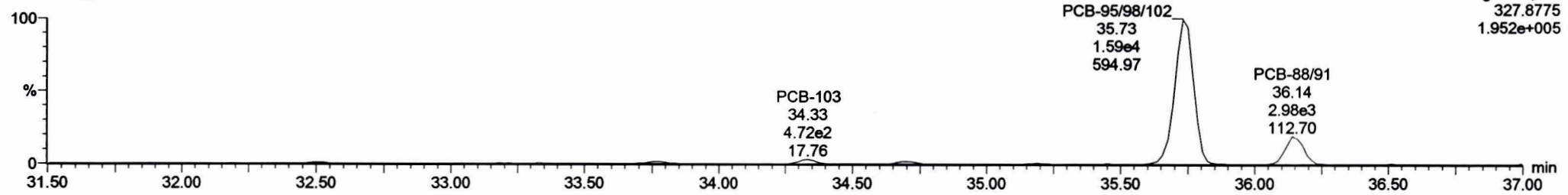
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**PCB-96**

200617K2\_6

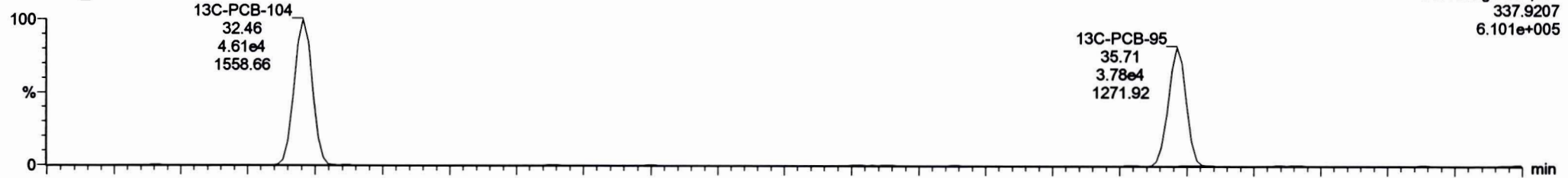


200617K2\_6

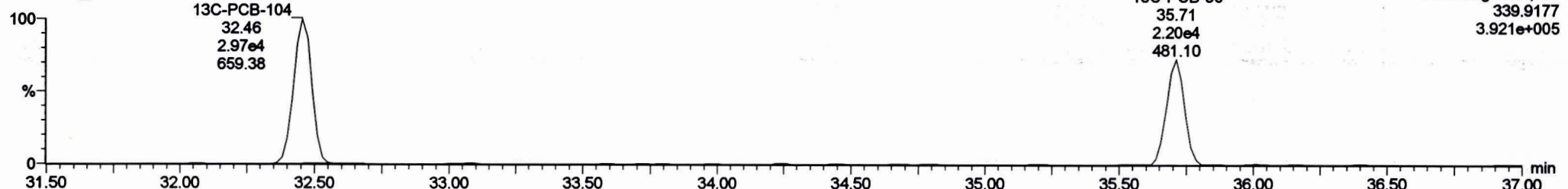


**13C-PCB-95**

200617K2\_6



200617K2\_6





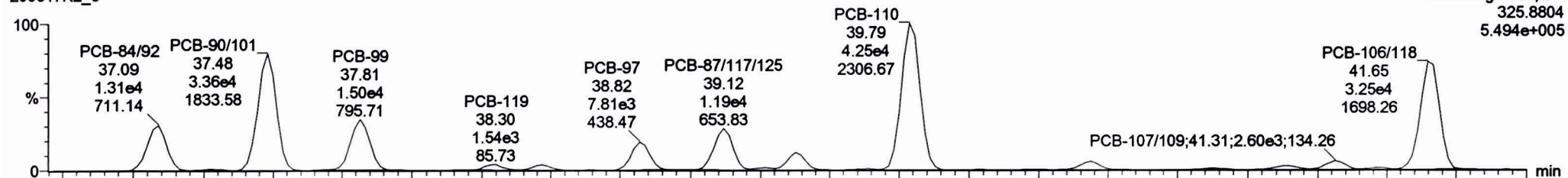
Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
 Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

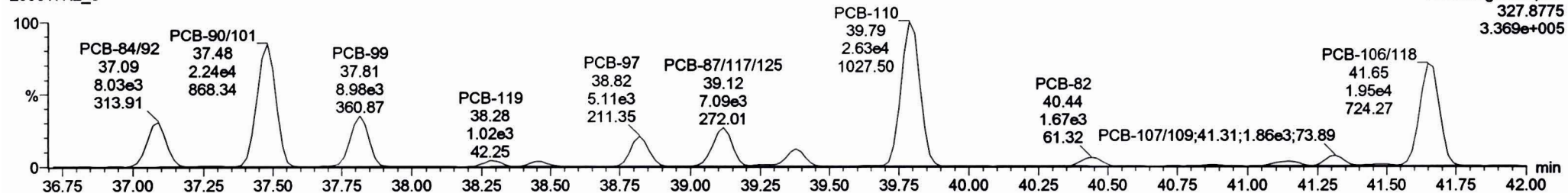
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**PCB-119**

200617K2\_6

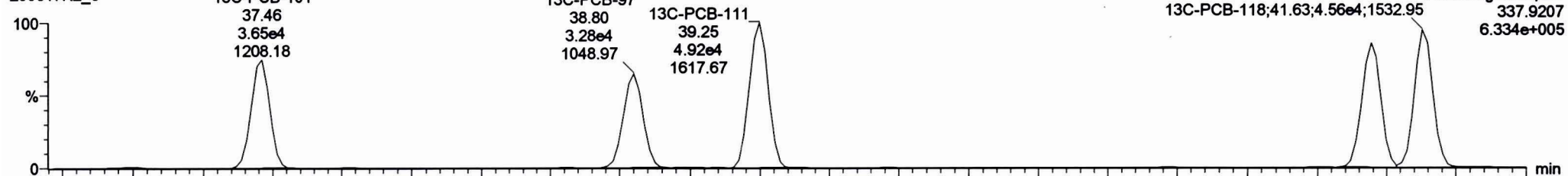


200617K2\_6

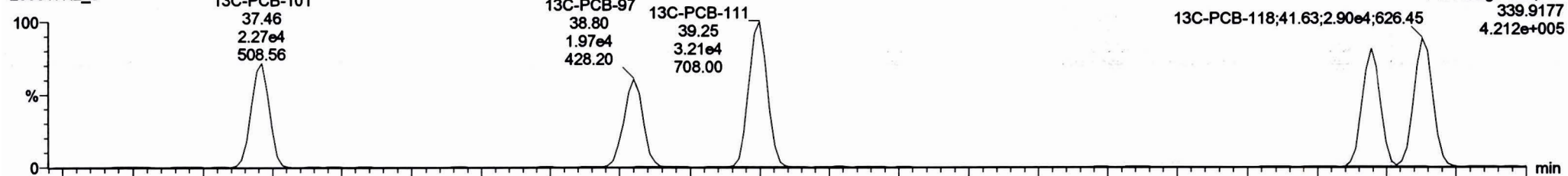


**13C-PCB-111**

200617K2\_6



200617K2\_6



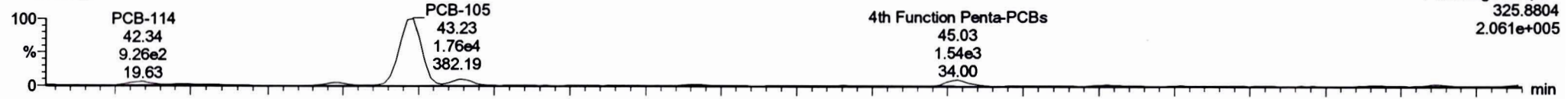
Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
 Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

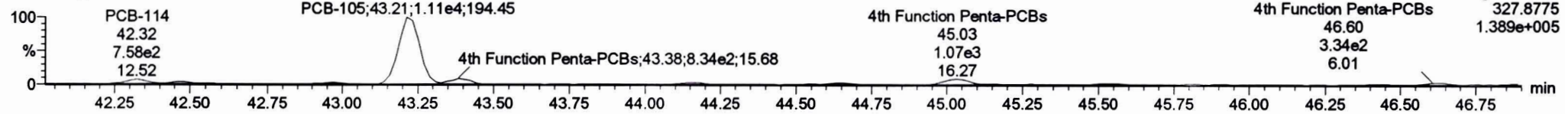
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**PCB-114**

200617K2\_6

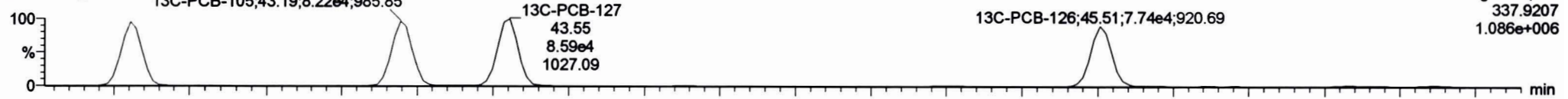


200617K2\_6

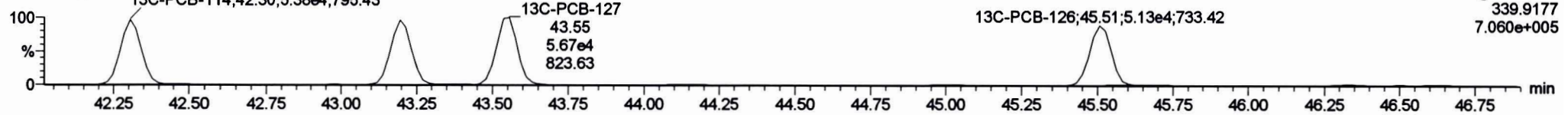


**13C-PCB-114**

200617K2\_6

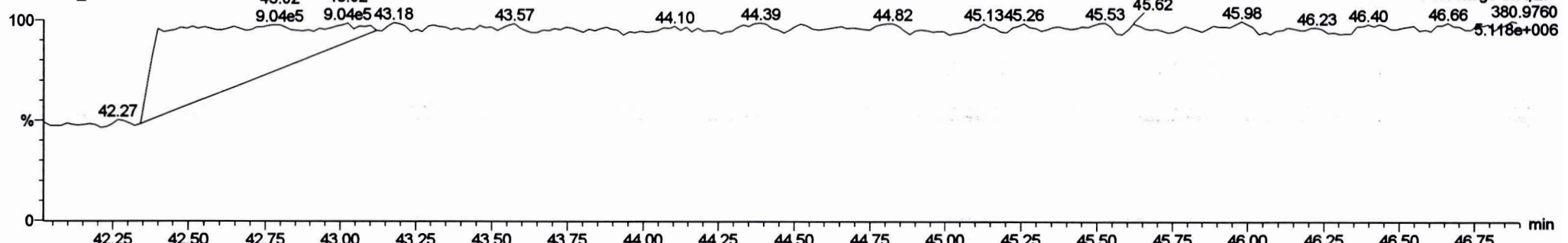


200617K2\_6



**PFK4a**

200617K2\_6



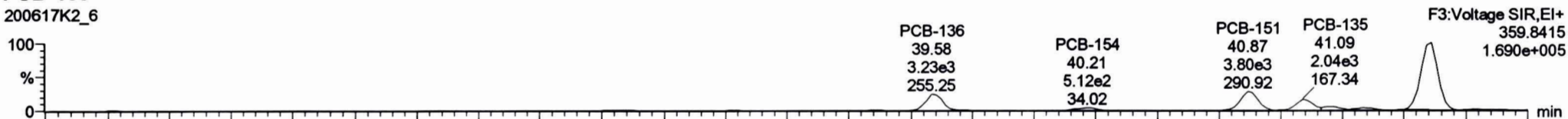
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Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

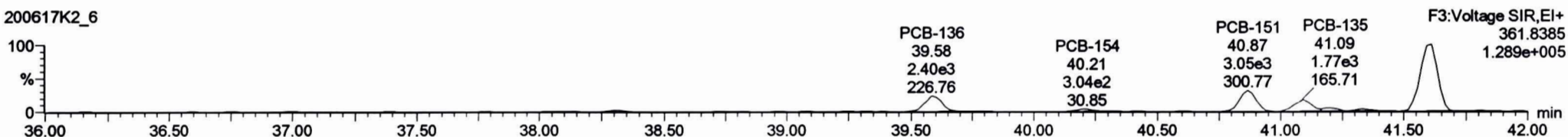
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**PCB-155**

200617K2\_6

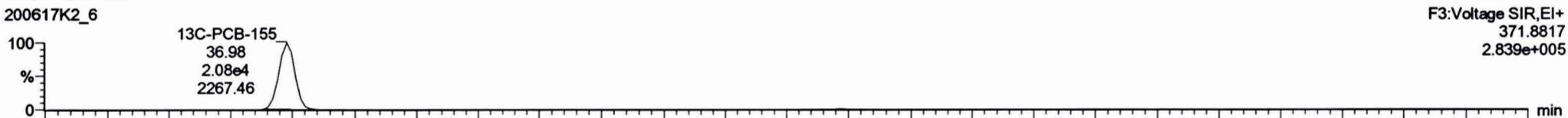


200617K2\_6

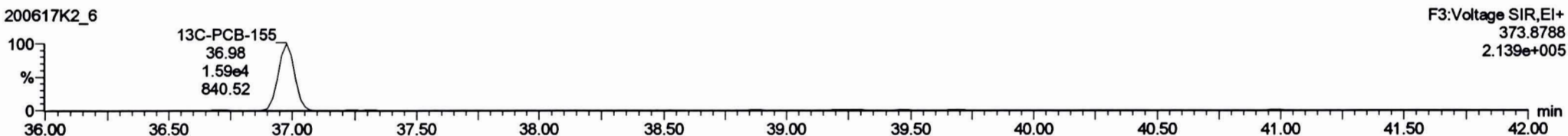


**13C-PCB-155**

200617K2\_6

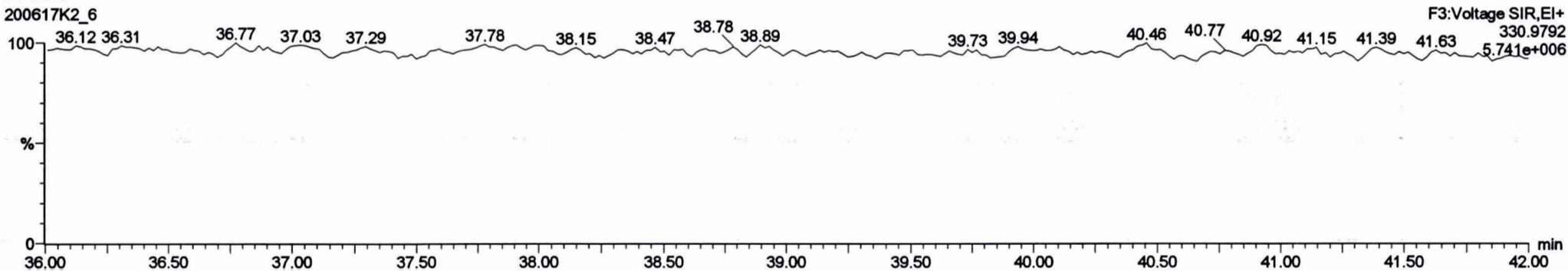


200617K2\_6



**PFK3c**

200617K2\_6

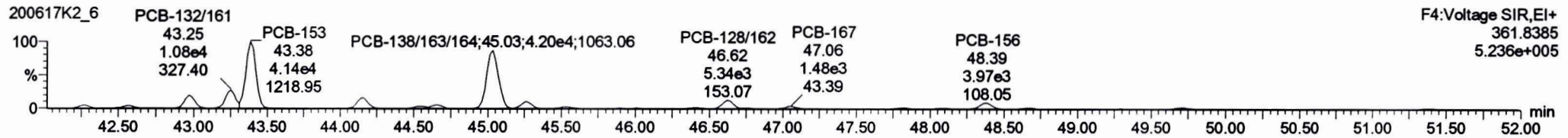
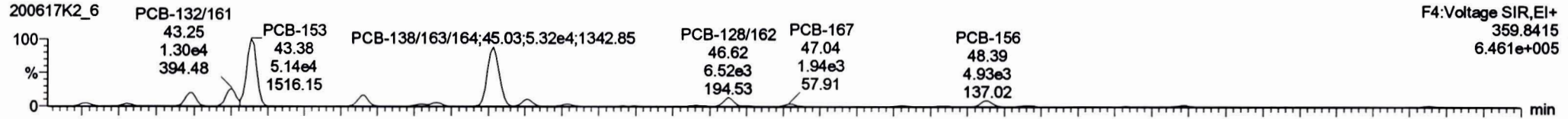


Dataset: Untitled

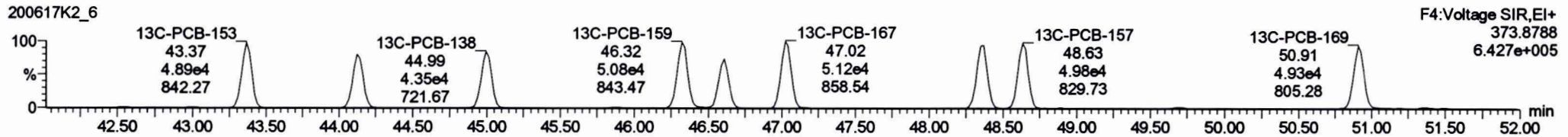
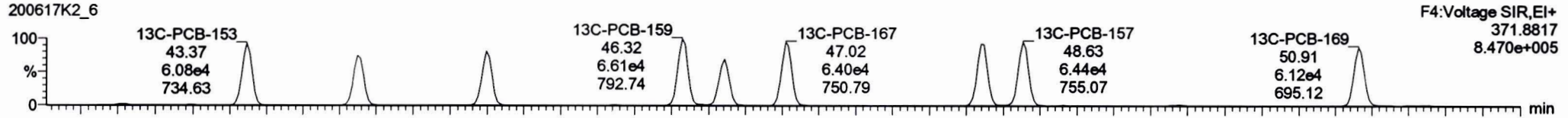
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

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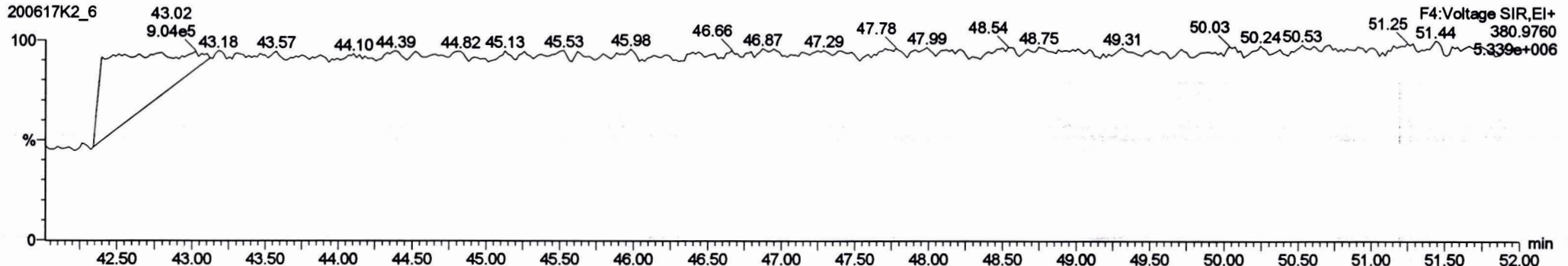
**PCB-134/143**



**13C-PCB-153**



**PFK4b**



Dataset: Untitled

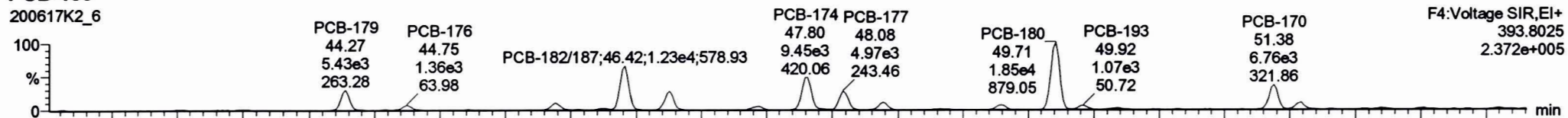
Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time

Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

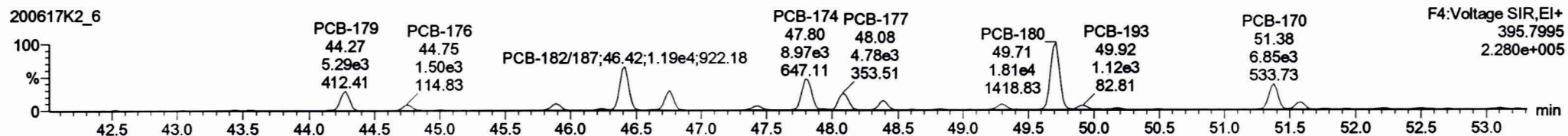
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**PCB-188**

200617K2\_6

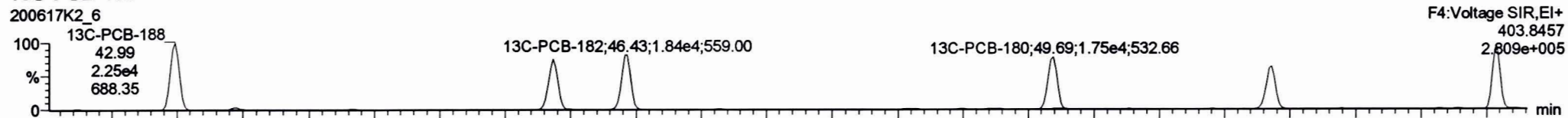


200617K2\_6

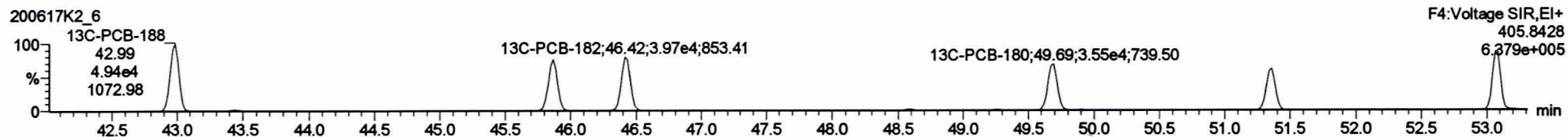


**13C-PCB-188**

200617K2\_6

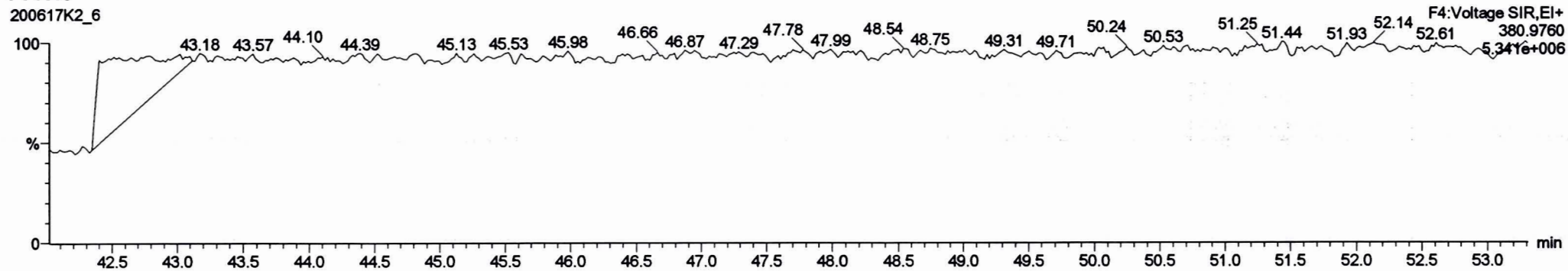


200617K2\_6



**PFK4c**

200617K2\_6

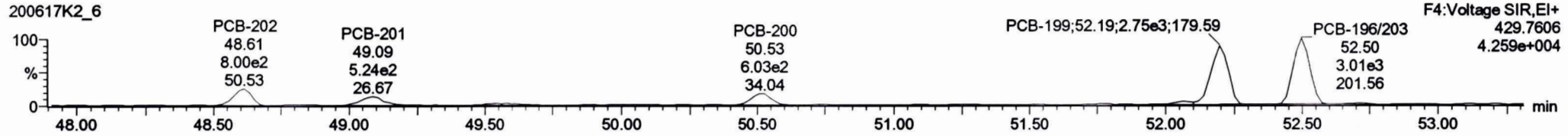
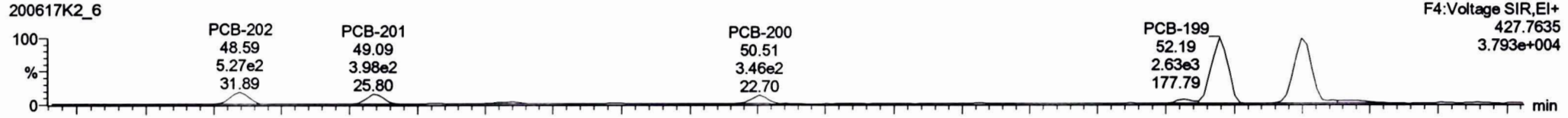


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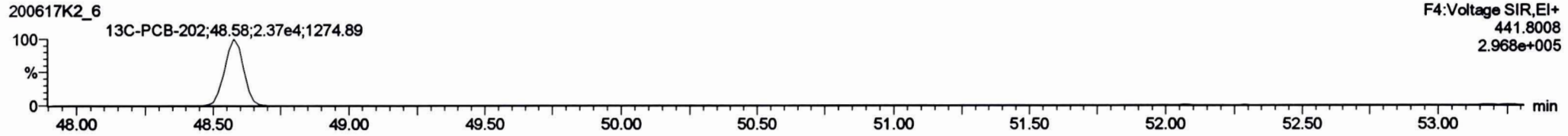
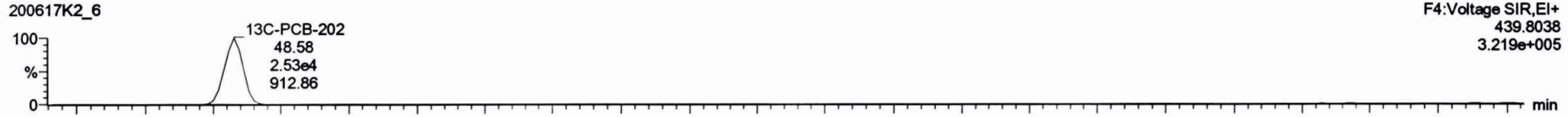
Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

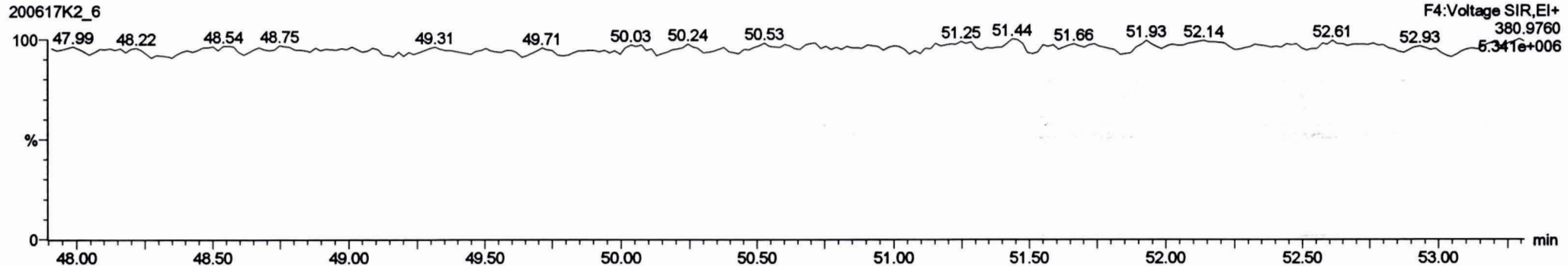
**PCB-202**



**13C-PCB-202**



**PFK4d**

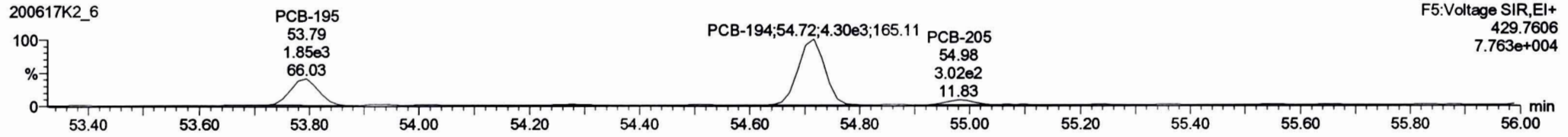
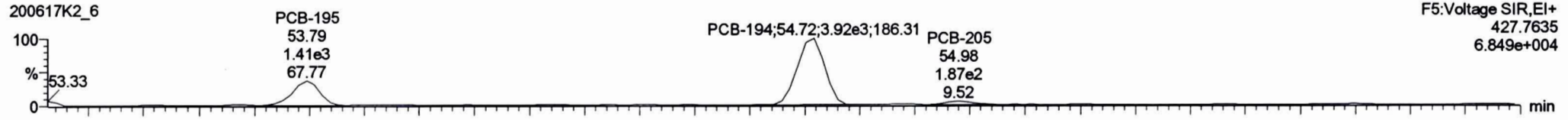


Dataset: Untitled

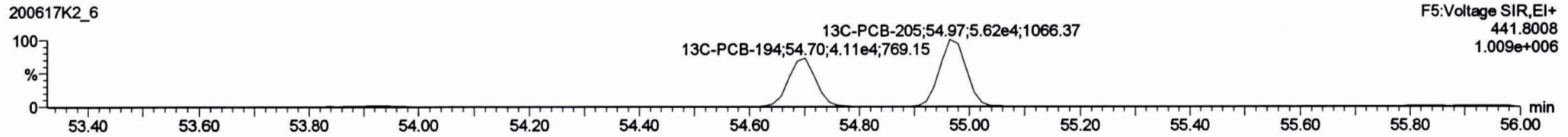
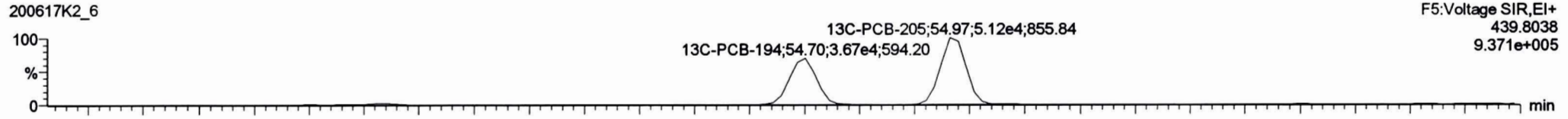
Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

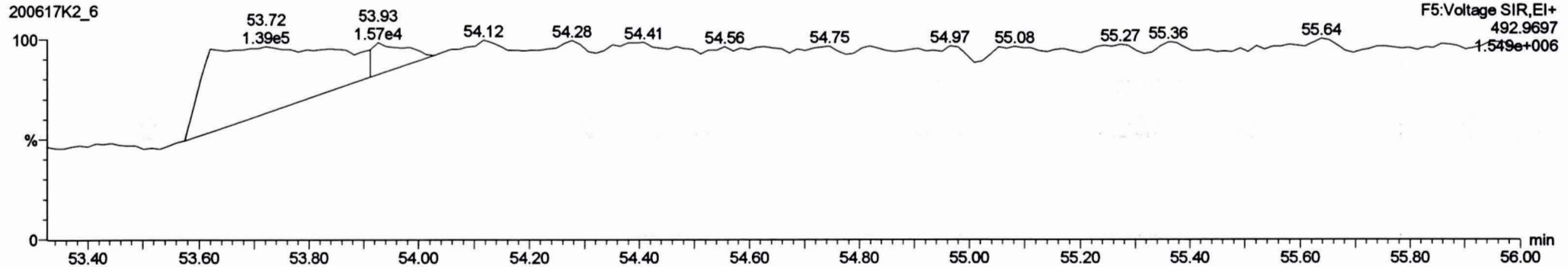
**PCB-195**



**13C-PCB-194**



**PFK5a**

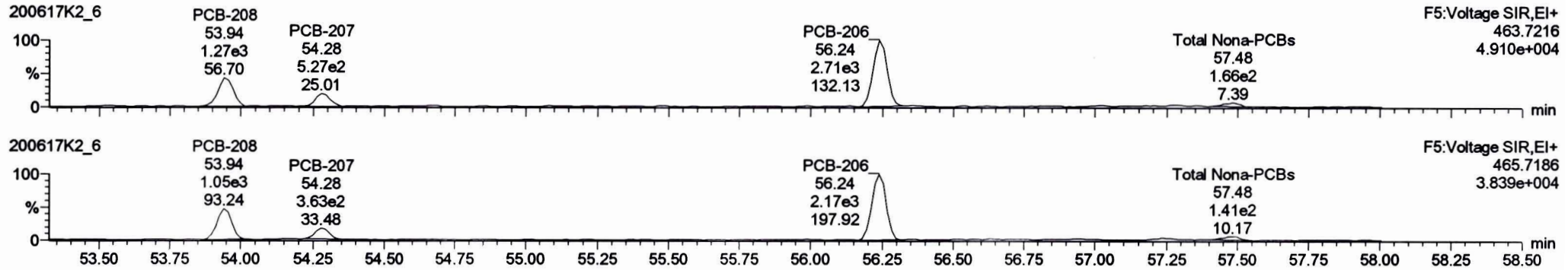


Dataset: Untitled

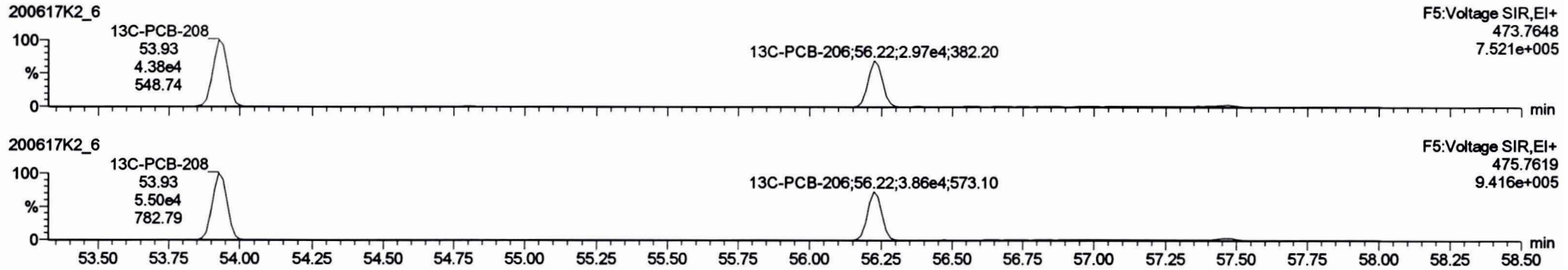
Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

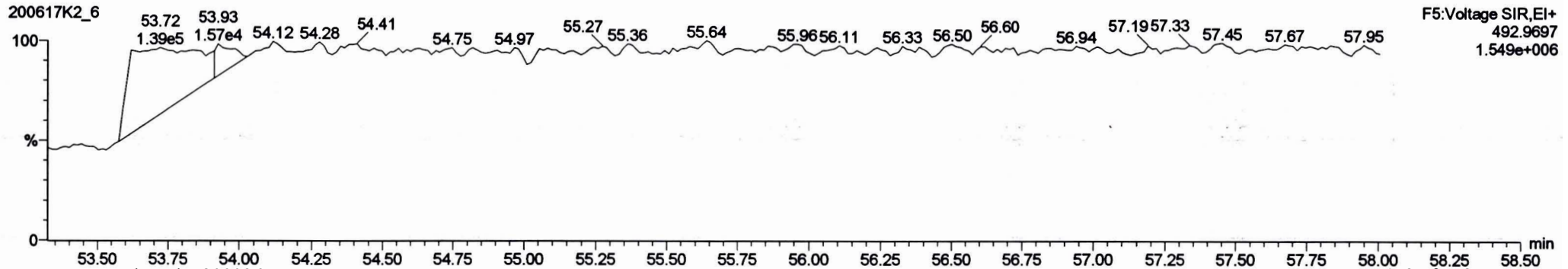
**PCB-208**



**13C-PCB-208**



**PFK5**





Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

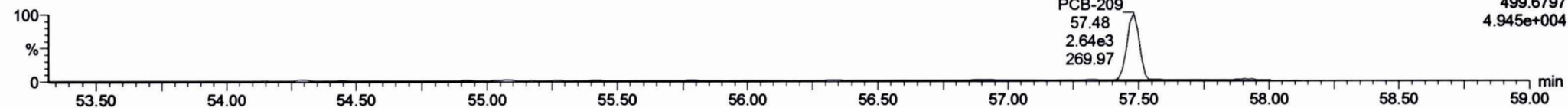
Name: 200617K2\_6, Date: 18-Jun-2020, Time: 05:35:36, ID: 2000967-01RE1@10X PDI-148SC-A-00-01-200427 9.26, Description: PDI-148SC-A-00-01-200427

**PCB-209**

200617K2\_6



200617K2\_6

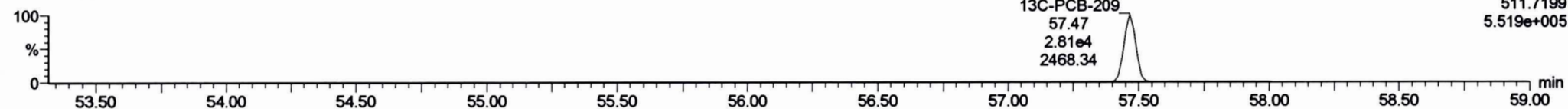


**13C-PCB-209**

200617K2\_6

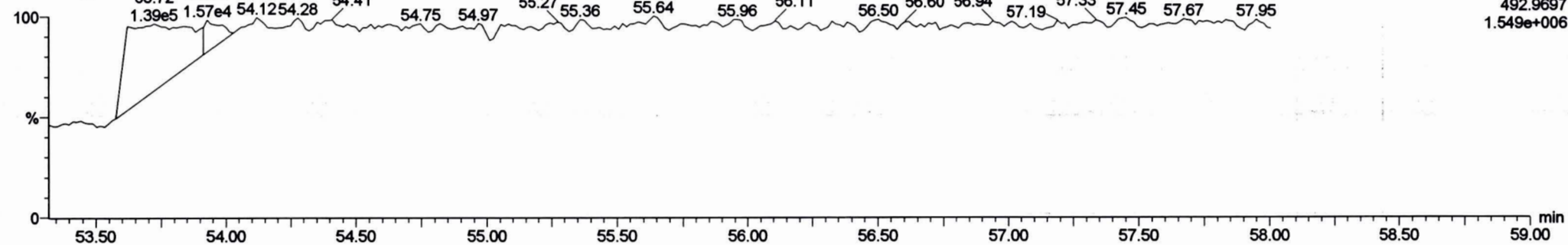


200617K2\_6



**PFK5b**

200617K2\_6



**CONTINUING CALIBRATION**

# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

**Beg. Calibration ID:** ST200613K2-6

**Reviewed By:** CT 06/15/2020  
*Initials & Date*

**End Calibration ID:** NA

	<u>Beg.</u>	<u>End</u>
<b>Ion abundance within QC limits?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
<b>Concentrations within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>TCDD/TCDF Valleys &lt;25%</b>	<input type="checkbox"/> NA	<input type="checkbox"/>
<b>First and last eluters present?</b>	<input type="checkbox"/> NA	<input type="checkbox"/>
<b>Retention Times within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Verification Std. named correctly?</b> (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Forms signed and dated?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Correct ICAL referenced?</b>	<u>He</u>	<u>He</u>
<b>Run Log:</b>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
- Samples within 12 hour clock?	(Y)	N
- Bottle position verified?		<u>He</u>

	<u>Beg.</u>	<u>End</u>
<b>Mass resolution <math>\geq</math></b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614   1699   429   1613/1668/8280		
<b>Intergrated peaks display correctly?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
<b>GC Break &lt;20%</b>		<input type="checkbox"/> NA
<b>8280 CS1 End Standard:</b>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox"/> NA

**Comments:**  
 (A) 1 mass affected by column bleed.

Dataset: U:\VG11.PRO\Results\200613K1\200613K2-6.qld

Last Altered: Sunday, June 14, 2020 13:34:51 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:37:02 Pacific Daylight Time

*hr 6-14-2020* *CT 06/15/2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_6-13-20.mdb 14 Jun 2020 13:31:38  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.02e6	3.19	NO	1.17	1.000	15.52	15.53	1.001	1.001	NO	58.87	118	0.0162	58.87
2	2 PCB-2	9.69e5	3.21	NO	1.18	1.000	17.94	17.93	0.988	0.987	NO	55.56	111	0.0166	55.56
3	3 PCB-3	9.70e5	3.19	NO	1.15	1.000	18.17	18.17	1.001	1.001	NO	57.32	115	0.0171	57.32
4	4 PCB-4/10	1.43e6	1.61	NO	1.25	1.000	19.59	19.58	1.004	1.004	NO	111.9	112	0.0902	111.9
5	5 PCB-7/9	1.75e6	1.57	NO	0.960	1.000	21.39	21.36	1.003	1.001	NO	111.4	111	0.0717	111.4
6	6 PCB-6	9.11e5	1.58	NO	1.02	1.000	22.04	22.04	1.033	1.033	NO	54.42	109	0.0673	54.42
7	7 PCB-5/8	1.81e6	1.56	NO	0.992	1.000	22.44	22.44	1.052	1.052	NO	111.4	111	0.0694	111.4
8	8 PCB-14	8.97e5	1.59	NO	1.02	1.000	23.58	23.58	0.952	0.951	NO	56.23	112	0.0753	56.23
9	9 PCB-11	9.62e5	1.58	NO	1.13	1.000	24.80	24.80	1.001	1.001	NO	54.49	109	0.0680	54.49
10	10 PCB-12/13	1.75e6	1.61	NO	1.03	1.000	25.23	25.18	1.018	1.016	NO	108.6	109	0.0746	108.6
11	11 PCB-15	8.98e5	1.60	NO	1.03	1.000	25.54	25.53	1.031	1.030	NO	55.37	111	0.0741	55.37
12	12 PCB-19	3.97e5	1.03	NO	1.11	1.000	23.77	23.76	1.001	1.001	NO	53.52	107	0.0382	53.52
13	13 PCB-30	6.45e5	1.04	NO	1.79	1.000	24.67	24.67	1.039	1.039	NO	53.60	107	0.0236	53.60
14	14 PCB-18	4.27e5	1.02	NO	0.818	1.000	25.44	25.44	0.952	0.952	NO	53.31	107	0.0366	53.31
15	15 PCB-17	3.98e5	1.05	NO	0.758	1.000	25.62	25.62	0.958	0.958	NO	53.62	107	0.0395	53.62
16	16 PCB-24/27	1.15e6	1.04	NO	1.08	1.000	26.23	26.22	0.981	0.981	NO	108.5	108	0.0277	108.5
17	17 PCB-16/32	9.77e5	1.02	NO	0.925	1.000	26.75	26.75	1.001	1.001	NO	107.8	108	0.0323	107.8
18	18 PCB-34	7.24e5	1.02	NO	0.945	1.000	27.56	27.56	0.959	0.959	NO	59.32	119	0.0456	59.32
19	19 PCB-23	5.97e5	1.02	NO	0.883	1.000	27.65	27.65	0.962	0.962	NO	52.38	105	0.0488	52.38
20	20 PCB-29	6.44e5	1.04	NO	0.893	1.000	27.91	27.91	0.971	0.971	NO	55.91	112	0.0483	55.91
21	21 PCB-26	6.81e5	1.03	NO	0.944	1.000	28.14	28.14	0.979	0.979	NO	55.91	112	0.0457	55.91
22	22 PCB-25	6.70e5	1.06	NO	0.950	1.000	28.29	28.29	0.984	0.984	NO	54.66	109	0.0454	54.66
23	23 PCB-31	7.91e5	1.03	NO	1.04	1.000	28.66	28.66	0.997	0.997	NO	59.17	118	0.0416	59.17
24	24 PCB-28	7.44e5	1.06	NO	1.03	1.000	28.77	28.77	1.001	1.001	NO	56.21	112	0.0421	56.21
25	25 PCB-20/21/33	1.99e6	1.04	NO	0.941	1.000	29.41	29.40	1.023	1.023	NO	164.1	109	0.0458	164.1
26	26 PCB-22	7.18e5	1.04	NO	0.973	1.000	29.85	29.85	1.038	1.038	NO	57.18	114	0.0443	57.18
27	27 PCB-36	6.99e5	1.05	NO	1.08	1.000	30.49	30.48	0.931	0.931	NO	55.90	112	0.0447	55.90
28	28 PCB-39	6.35e5	1.06	NO	0.988	1.000	30.97	30.97	0.946	0.946	NO	55.30	111	0.0487	55.30
29	29 PCB-38	7.02e5	1.07	NO	1.05	1.000	31.77	31.77	0.970	0.970	NO	57.46	115	0.0457	57.46
30	30 PCB-35	6.79e5	1.02	NO	1.04	1.000	32.31	32.31	0.987	0.987	NO	56.01	112	0.0461	56.01
31	31 PCB-37	6.78e5	1.05	NO	1.01	1.000	32.75	32.75	1.001	1.001	NO	57.86	116	0.0477	57.86
32	32 PCB-54	5.21e5	0.76	NO	1.08	1.000	27.62	27.62	1.001	1.001	NO	54.60	109	0.0403	54.60

*15-1251*

Dataset: U:\VG11.PRO\Results\200613K1\200613K2-6.qld

Last Altered: Sunday, June 14, 2020 13:34:51 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:37:02 Pacific Daylight Time

Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	ru/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	4.03e5	0.76	NO	0.880	1.000	28.81	28.81	1.044	1.044	NO	51.88	104	0.0494	51.88
34	34 PCB-53	3.78e5	0.77	NO	0.997	1.000	29.48	29.48	0.944	0.944	NO	56.29	113	0.0591	56.29
35	35 PCB-51	4.03e5	0.77	NO	1.07	1.000	29.82	29.83	0.955	0.955	NO	56.23	112	0.0553	56.23
36	36 PCB-45	3.16e5	0.78	NO	0.858	1.000	30.27	30.28	0.969	0.970	NO	54.69	109	0.0686	54.69
37	37 PCB-46	2.97e5	0.77	NO	0.831	1.000	30.76	30.78	0.985	0.986	NO	53.11	106	0.0709	53.11
38	38 PCB-52/69	8.77e5	0.79	NO	1.17	1.000	31.26	31.26	1.001	1.001	NO	111.7	112	0.0505	111.7
39	39 PCB-73	5.12e5	0.78	NO	1.44	1.000	31.38	31.39	1.005	1.005	NO	52.65	105	0.0408	52.65
40	40 PCB-43/49	7.36e5	0.80	NO	1.02	1.000	31.55	31.56	1.010	1.011	NO	107.6	108	0.0580	107.6
41	41 PCB-47	3.64e5	0.76	NO	0.922	1.000	31.77	31.79	1.001	1.001	NO	54.59	109	0.0567	54.59
42	42 PCB-48/75	8.65e5	0.78	NO	1.12	1.000	31.88	31.90	1.004	1.005	NO	106.8	107	0.0467	106.8
43	43 PCB-65	4.69e5	0.78	NO	1.28	1.000	32.15	32.16	1.013	1.013	NO	50.63	101	0.0408	50.63
44	44 PCB-62	4.56e5	0.78	NO	1.13	1.000	32.26	32.27	1.016	1.016	NO	55.91	112	0.0464	55.91
45	45 PCB-44	3.11e5	0.77	NO	0.824	1.000	32.60	32.60	1.027	1.027	NO	52.25	105	0.0635	52.25
46	46 PCB-42/59	7.99e5	0.79	NO	1.05	1.000	32.83	32.83	1.034	1.034	NO	105.3	105	0.0498	105.3
47	47 PCB-41/64/71/72	1.87e6	0.78	NO	1.19	1.000	33.43	33.44	1.053	1.053	NO	217.4	109	0.0441	217.4
48	48 PCB-68	4.82e5	0.80	NO	1.28	1.000	33.68	33.70	1.061	1.062	NO	52.20	104	0.0409	52.20
49	49 PCB-40	2.31e5	0.78	NO	0.602	1.000	33.91	33.93	1.068	1.069	NO	53.02	106	0.0869	53.02
50	50 PCB-57	5.19e5	0.77	NO	1.16	1.000	34.29	34.30	0.969	0.969	NO	54.30	109	0.0407	54.30
51	51 PCB-67	4.86e5	0.77	NO	1.08	1.000	34.61	34.61	0.978	0.978	NO	54.56	109	0.0437	54.56
52	52 PCB-58	5.21e5	0.78	NO	1.20	1.000	34.73	34.73	0.982	0.982	NO	52.70	105	0.0393	52.70
53	53 PCB-63	4.70e5	0.77	NO	1.07	1.000	34.88	34.89	0.986	0.986	NO	53.40	107	0.0442	53.40
54	54 PCB-74	5.20e5	0.78	NO	1.19	1.000	35.18	35.19	0.994	0.995	NO	53.36	107	0.0399	53.36
55	55 PCB-61/70	9.73e5	0.79	NO	1.05	1.000	35.39	35.40	1.000	1.001	NO	112.3	112	0.0449	112.3
56	56 PCB-76/66	1.04e6	0.77	NO	1.16	1.000	35.59	35.60	1.006	1.006	NO	109.0	109	0.0406	109.0
57	57 PCB-80	5.54e5	0.77	NO	1.19	1.000	35.84	35.84	1.001	1.001	NO	54.41	109	0.0384	54.41
58	58 PCB-55	5.48e5	0.77	NO	1.17	1.000	36.16	36.16	1.010	1.009	NO	54.64	109	0.0390	54.64
59	59 PCB-56/60	9.56e5	0.78	NO	1.02	1.000	36.68	36.68	1.024	1.024	NO	109.5	110	0.0448	109.5
60	60 PCB-79	5.31e5	0.78	NO	1.14	1.000	37.78	37.78	1.055	1.055	NO	54.44	109	0.0401	54.44
61	61 PCB-78	5.01e5	0.77	NO	1.14	1.000	38.50	38.50	0.987	0.987	NO	53.90	108	0.0419	53.90
62	62 PCB-81	4.74e5	0.77	NO	1.05	1.000	39.04	39.04	1.000	1.000	NO	55.32	111	0.0455	55.32
63	63 PCB-77	5.02e5	0.79	NO	1.14	1.000	39.66	39.66	1.000	1.000	NO	54.36	109	0.0425	54.36
64	64 PCB-104	3.06e5	1.62	NO	1.12	1.000	32.44	32.46	1.001	1.001	NO	54.04	108	0.0447	54.04
65	65 PCB-96	2.97e5	1.61	NO	1.15	1.000	33.76	33.76	1.041	1.041	NO	51.07	102	0.0434	51.07
66	66 PCB-103	2.34e5	1.60	NO	0.936	1.000	34.32	34.32	1.059	1.059	NO	49.52	99.0	0.0535	49.52
67	67 PCB-100	2.44e5	1.60	NO	0.954	1.000	34.67	34.67	1.069	1.069	NO	50.66	101	0.0526	50.66
68	68 PCB-94	1.92e5	1.58	NO	0.949	1.000	35.18	35.17	0.985	0.985	NO	51.77	104	0.0658	51.77

75-125%

Dataset: U:\VG11.PRO\Results\200613K1\200613K2-6.qld

Last Altered: Sunday, June 14, 2020 13:34:51 Pacific Daylight Time

Printed: Sunday, June 14, 2020 13:37:02 Pacific Daylight Time

Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Prod.RT	RT	Prod.R	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	7.55e5	1.58	NO	1.20	1.000	35.65	35.66	0.999	0.999	NO	160.2	107	0.0518	160.2
70	70 PCB-93	1.73e5	1.63	NO	0.935	1.000	35.77	35.79	1.002	1.003	NO	47.32	94.6	0.0668	47.32
71	71 PCB-88/91	3.95e5	1.59	NO	1.06	1.000	36.12	36.12	1.012	1.012	NO	94.86	94.9	0.0586	94.86
72	72 PCB-121	3.56e5	1.58	NO	1.71	1.000	36.21	36.21	1.015	1.015	NO	53.31	107	0.0365	53.31
73	73 PCB-84/92	4.02e5	1.58	NO	1.02	1.000	37.08	37.07	0.990	0.990	NO	102.4	102	0.0631	102.4
74	74 PCB-89	2.17e5	1.65	NO	1.11	1.000	37.25	37.26	0.995	0.995	NO	50.95	102	0.0582	50.95
75	75 PCB-90/101	4.42e5	1.58	NO	1.12	1.000	37.46	37.44	1.000	1.000	NO	102.0	102	0.0572	102.0
76	76 PCB-113	3.18e5	1.58	NO	1.51	1.000	37.70	37.70	1.007	1.007	NO	54.46	109	0.0424	54.46
77	77 PCB-99	2.37e5	1.58	NO	1.32	1.000	37.79	37.80	1.009	1.009	NO	46.57	93.1	0.0486	46.57
78	78 PCB-119	3.10e5	1.58	NO	1.81	1.000	38.28	38.28	0.987	0.987	NO	50.90	102	0.0405	50.90
79	79 PCB-108/112	5.09e5	1.58	NO	1.44	1.000	38.44	38.43	0.991	0.991	NO	104.6	105	0.0506	104.6
80	80 PCB-83	3.14e5	1.59	NO	1.83	1.000	38.59	38.60	0.995	0.995	NO	50.92	102	0.0399	50.92
81	81 PCB-97	2.22e5	1.60	NO	1.28	1.000	38.80	38.80	1.000	1.000	NO	51.31	103	0.0570	51.31
82	82 PCB-86	2.17e5	1.57	NO	1.12	1.000	38.95	38.95	1.004	1.004	NO	57.63	115	0.0654	57.63
83	83 PCB-87/117/125	8.24e5	1.58	NO	1.56	1.000	39.10	39.08	1.008	1.008	NO	156.9	105	0.0469	156.9
84	84 PCB-111/115	6.59e5	1.59	NO	1.91	1.000	39.25	39.25	1.012	1.012	NO	102.5	102	0.0382	102.5
85	85 PCB-85/116	5.09e5	1.62	NO	1.41	1.000	39.38	39.38	1.015	1.015	NO	107.1	107	0.0518	107.1
86	86 PCB-120	3.56e5	1.57	NO	2.01	1.000	39.64	39.64	1.022	1.022	NO	52.78	106	0.0364	52.78
87	87 PCB-110	3.05e5	1.57	NO	1.74	1.000	39.77	39.77	1.026	1.025	NO	51.93	104	0.0419	51.93
88	88 PCB-82	1.80e5	1.56	NO	0.781	1.000	40.43	40.42	0.976	0.976	NO	51.45	103	0.0713	51.45
89	89 PCB-124	3.08e5	1.62	NO	1.40	1.000	41.13	41.13	0.993	0.993	NO	49.08	98.2	0.0399	49.08
90	90 PCB-107/109	6.43e5	1.57	NO	1.34	1.000	41.28	41.28	0.996	0.996	NO	106.8	107	0.0415	106.8
91	91 PCB-123	2.83e5	1.56	NO	1.20	1.000	41.45	41.44	1.000	1.000	NO	52.65	105	0.0465	52.65
92	92 PCB-106/118	6.19e5	1.62	NO	1.22	1.000	41.65	41.67	1.001	1.001	NO	103.2	103	0.0415	103.2
93	93 PCB-114	4.45e5	1.56	NO	1.14	1.000	42.31	42.30	1.000	1.000	NO	53.96	108	0.0464	53.96
94	94 PCB-122	3.84e5	1.57	NO	0.944	1.000	42.45	42.46	1.004	1.004	NO	56.24	112	0.0561	56.24
95	95 PCB-105	4.40e5	1.58	NO	1.05	1.000	43.19	43.19	1.000	1.000	NO	55.13	110	0.0483	55.13
96	96 PCB-127	4.68e5	1.58	NO	1.06	1.000	43.55	43.55	1.000	1.000	NO	55.44	111	0.0475	55.44
97	97 PCB-126	5.03e5	1.57	NO	1.17	1.000	45.51	45.51	1.000	1.000	NO	54.93	110	0.0427	54.93
98	98 PCB-155	1.54e5	1.29	NO	1.04	1.000	36.98	36.98	1.000	1.001	NO	51.38	103	0.0449	51.38
99	99 PCB-150	1.59e5	1.27	NO	1.08	1.000	38.30	38.30	1.036	1.036	NO	51.19	102	0.0433	51.19
100	1... PCB-152	1.81e5	1.29	NO	1.19	1.000	38.78	38.78	1.049	1.049	NO	53.28	107	0.0395	53.28
101	1... PCB-145	1.77e5	1.30	NO	1.19	1.000	39.25	39.25	1.062	1.062	NO	52.10	104	0.0395	52.10
102	1... PCB-136	1.59e5	1.28	NO	1.02	1.000	39.58	39.58	1.071	1.071	NO	54.33	109	0.0459	54.33
103	1... PCB-148	1.16e5	1.33	NO	0.842	1.000	39.69	39.68	1.074	1.074	NO	47.92	95.8	0.0557	47.92
104	1... PCB-154	1.33e5	1.32	NO	0.919	1.000	40.20	40.20	1.088	1.088	NO	50.42	101	0.0510	50.42

1157

Dataset: U:\VG11.PRO\Results\200613K1\200613K2-6.qld

Last Altered: Sunday, June 14, 2020 13:34:51 Pacific Daylight Time

Printed: Sunday, June 14, 2020 13:37:02 Pacific Daylight Time

Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	1.13e5	1.36	NO	0.787	1.000	40.86	40.85	1.105	1.105	NO	50.11	100	0.0596	50.11
106	1... PCB-135	1.23e5	1.26	NO	0.922	1.000	41.07	41.07	1.111	1.111	NO	46.74	93.5	0.0509	46.74
107	1... PCB-144	1.24e5	1.31	NO	0.789	1.000	41.18	41.18	1.114	1.114	NO	54.87	110	0.0595	54.87
108	1... PCB-147	1.21e5	1.37	NO	0.834	1.000	41.31	41.31	1.118	1.118	NO	50.79	102	0.0562	50.79
109	1... PCB-139/149	2.83e5	1.31	NO	0.948	1.000	41.60	41.59	1.125	1.125	NO	104.3	104	0.0495	104.3
110	1... PCB-140	1.15e5	1.31	NO	0.794	1.000	41.78	41.78	1.130	1.130	NO	50.67	101	0.0591	50.67
111	1... PCB-134/143	4.88e5	1.26	NO	0.759	1.000	42.26	42.25	0.975	0.975	NO	106.2	106	0.126	106.2
112	1... PCB-131/133	5.27e5	1.25	NO	0.821	1.000	42.56	42.55	0.982	0.982	NO	106.1	106	0.116	106.1
113	1... PCB-142	2.30e5	1.24	NO	0.754	1.000	42.70	42.70	0.985	0.985	NO	50.34	101	0.126	50.34
114	1... PCB-146/165	6.54e5	1.25	NO	1.02	1.000	42.95	42.95	0.991	0.991	NO	106.3	106	0.0938	106.3
115	1... PCB-132/161	6.50e5	1.27	NO	1.02	1.000	43.18	43.18	0.996	0.996	NO	104.8	105	0.0931	104.8
116	1... PCB-153	3.45e5	1.24	NO	1.07	1.000	43.36	43.37	1.000	1.000	NO	53.23	106	0.0891	53.23
117	1... PCB-168	3.52e5	1.25	NO	1.08	1.000	43.59	43.59	1.006	1.006	NO	53.93	108	0.0885	53.93
118	1... PCB-141	2.88e5	1.27	NO	1.03	1.000	44.12	44.12	1.000	1.000	NO	53.53	107	0.109	53.53
119	1... PCB-137	2.79e5	1.23	NO	1.11	1.000	44.52	44.52	1.010	1.009	NO	47.85	95.7	0.101	47.85
120	1... PCB-130	2.39e5	1.25	NO	0.885	1.000	44.62	44.63	1.012	1.012	NO	51.35	103	0.126	51.35
121	1... PCB-138/163/164	1.08e6	1.24	NO	1.28	1.000	45.01	45.03	1.001	1.001	NO	163.1	109	0.0877	163.1
122	1... PCB-158/160	7.00e5	1.24	NO	1.24	1.000	45.26	45.26	1.006	1.006	NO	109.1	109	0.0908	109.1
123	1... PCB-129	2.44e5	1.24	NO	0.867	1.000	45.52	45.51	1.012	1.012	NO	54.47	109	0.130	54.47
124	1... PCB-166	3.82e5	1.25	NO	1.14	1.000	45.99	45.98	0.993	0.993	NO	51.88	104	0.0795	51.88
125	1... PCB-159	4.24e5	1.22	NO	1.22	1.000	46.32	46.32	1.000	1.000	NO	54.05	108	0.0747	54.05
126	1... PCB-128/162	6.31e5	1.24	NO	0.907	1.000	46.61	46.62	1.007	1.007	NO	107.7	108	0.100	107.7
127	1... PCB-167	3.76e5	1.24	NO	1.11	1.000	47.02	47.02	1.000	1.000	NO	53.01	106	0.0837	53.01
128	1... PCB-156	3.82e5	1.24	NO	1.13	1.000	48.35	48.37	1.000	1.001	NO	54.43	109	0.0874	54.43
129	1... PCB-157	3.54e5	1.26	NO	1.04	1.000	48.65	48.63	1.001	1.000	NO	53.27	107	0.0908	53.27
130	1... PCB-169	3.74e5	1.25	NO	1.16	1.000	50.91	50.91	1.000	1.000	NO	55.09	110	0.0886	55.09
131	1... PCB-188	3.00e5	1.06	NO	1.29	1.000	43.01	42.99	1.001	1.000	NO	52.86	106	0.0736	52.86
132	1... PCB-184	2.92e5	1.06	NO	1.23	1.000	43.44	43.44	1.011	1.011	NO	53.72	107	0.0771	53.72
133	1... PCB-179	3.04e5	1.06	NO	1.30	1.000	44.26	44.26	1.030	1.030	NO	53.19	106	0.0731	53.19
134	1... PCB-176	2.91e5	1.05	NO	1.31	1.000	44.72	44.73	1.041	1.041	NO	50.48	101	0.0725	50.48
135	1... PCB-186	3.30e5	1.03	NO	1.33	1.000	45.35	45.35	1.055	1.056	NO	56.41	113	0.0714	56.41
136	1... PCB-178	2.15e5	1.03	NO	0.943	1.000	45.87	45.87	1.067	1.067	NO	51.79	104	0.101	51.79
137	1... PCB-175	2.13e5	1.03	NO	0.956	1.000	46.22	46.23	1.076	1.076	NO	50.60	101	0.0993	50.60
138	1... PCB-182/187	5.09e5	1.04	NO	1.07	1.000	46.40	46.42	1.080	1.080	NO	108.2	108	0.0890	108.2
139	1... PCB-183	2.38e5	1.05	NO	1.02	1.000	46.74	46.74	1.088	1.088	NO	52.84	106	0.0928	52.84
140	1... PCB-185	2.13e5	1.04	NO	1.41	1.000	47.42	47.42	0.955	0.955	NO	51.60	103	0.108	51.60

Handwritten note: 15/157 (with a blue arrow pointing to the %Rec column)

Dataset: U:\VG11.PRO\Results\200613K1\200613K2-6.qld

Last Altered: Sunday, June 14, 2020 13:34:51 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:37:02 Pacific Daylight Time

Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check.RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	1.93e5	1.03	NO	1.35	1.000	47.81	47.80	0.962	0.962	NO	48.68	97.4	0.113	48.68
142	1... PCB-181	2.33e5	1.04	NO	1.47	1.000	47.90	47.89	0.964	0.964	NO	53.92	108	0.103	53.92
143	1... PCB-177	1.94e5	1.05	NO	1.28	1.000	48.06	48.06	0.968	0.968	NO	51.68	103	0.119	51.68
144	1... PCB-171	2.07e5	1.03	NO	1.32	1.000	48.36	48.37	0.974	0.974	NO	53.56	107	0.116	53.56
145	1... PCB-173	1.85e5	1.06	NO	1.19	1.000	48.80	48.80	0.983	0.982	NO	52.88	106	0.128	52.88
146	1... PCB-172	2.11e5	1.05	NO	1.38	1.000	49.28	49.28	0.992	0.992	NO	52.18	104	0.111	52.18
147	1... PCB-192	2.76e5	1.04	NO	1.83	1.000	49.47	49.47	0.996	0.996	NO	51.57	103	0.0835	51.57
148	1... PCB-180	2.20e5	1.03	NO	1.41	1.000	49.69	49.69	1.000	1.000	NO	53.12	106	0.108	53.12
149	1... PCB-193	2.50e5	1.02	NO	1.68	1.000	49.90	49.90	1.005	1.005	NO	50.77	102	0.0909	50.77
150	1... PCB-191	2.58e5	1.04	NO	1.71	1.000	50.17	50.17	1.010	1.010	NO	51.42	103	0.0892	51.42
151	1... PCB-170	1.91e5	1.05	NO	1.40	1.000	51.36	51.36	1.000	1.000	NO	52.84	106	0.121	52.84
152	1... PCB-190	2.55e5	1.06	NO	1.85	1.000	51.55	51.55	1.004	1.004	NO	53.27	107	0.0918	53.27
153	1... PCB-189	2.75e5	1.02	NO	1.45	1.000	53.09	53.08	1.000	1.000	NO	52.53	105	0.0727	52.53
154	1... PCB-202	1.95e5	0.90	NO	1.17	1.000	48.60	48.58	1.001	1.000	NO	51.96	104	0.0495	51.96
155	1... PCB-201	1.72e5	0.92	NO	1.05	1.000	49.09	49.09	1.011	1.011	NO	50.68	101	0.0549	50.68
156	1... PCB-204	1.81e5	0.90	NO	1.14	1.000	49.23	49.24	1.014	1.014	NO	49.23	98.5	0.0507	49.23
157	1... PCB-197	1.80e5	0.90	NO	1.13	1.000	49.55	49.56	1.020	1.021	NO	49.39	98.8	0.0510	49.39
158	1... PCB-200	1.76e5	0.93	NO	1.07	1.000	50.48	50.49	1.040	1.040	NO	50.95	102	0.0540	50.95
159	1... PCB-198	1.36e5	0.91	NO	0.794	1.000	52.06	52.06	1.072	1.072	NO	53.38	107	0.0728	53.38
160	1... PCB-199	1.30e5	0.91	NO	0.809	1.000	52.16	52.17	1.074	1.075	NO	49.92	99.8	0.0714	49.92
161	1... PCB-196/203	2.82e5	0.91	NO	0.838	1.000	52.48	52.48	1.081	1.081	NO	104.3	104	0.0690	104.3
162	1... PCB-195	2.19e5	0.90	NO	1.04	1.000	53.78	53.78	0.984	0.983	NO	48.65	97.3	0.0796	48.65
163	1... PCB-194	2.55e5	0.89	NO	1.12	1.000	54.70	54.70	1.000	1.000	NO	52.90	106	0.0745	52.90
164	1... PCB-205	3.20e5	0.91	NO	1.29	1.000	54.97	54.98	1.005	1.005	NO	57.52	115	0.0645	57.52
165	1... PCB-208	2.65e5	1.34	NO	0.933	1.000	53.94	53.94	1.000	1.000	NO	52.67	105	0.0818	52.67
166	1... PCB-207	2.52e5	1.34	NO	0.916	1.000	54.26	54.26	1.006	1.006	NO	51.05	102	0.0833	51.05
167	1... PCB-206	2.02e5	1.33	NO	1.01	1.000	56.24	56.24	1.000	1.000	NO	51.59	103	0.105	51.59
168	1... PCB-209	1.79e5	1.19	NO	0.986	1.000	57.47	57.48	1.000	1.000	NO	52.55	105	0.0112	52.55
169	1... 13C-PCB-1	1.48e6	3.32	NO	0.893	1.000	15.50	15.51	0.608	0.608	NO	102.1	102	0.0669	102.1
170	1... 13C-PCB-3	1.47e6	3.27	NO	0.911	1.000	18.15	18.16	0.712	0.712	NO	99.47	99.5	0.0657	99.47
171	1... 13C-PCB-4	1.03e6	1.63	NO	0.600	1.000	19.50	19.51	0.765	0.765	NO	105.0	105	0.0532	105.0
172	1... 13C-PCB-9	1.64e6	1.57	NO	0.970	1.000	21.33	21.33	0.836	0.836	NO	103.7	104	0.0329	103.7
173	1... 13C-PCB-11	1.57e6	1.59	NO	0.962	1.000	24.77	24.78	0.971	0.972	NO	100.3	100	0.0332	100.3
174	1... 13C-PCB-19	6.70e5	1.06	NO	0.499	1.000	23.74	23.74	0.931	0.931	NO	82.59	82.6	0.431	82.59
175	1... 13C-PCB-32	9.79e5	1.05	NO	0.744	1.000	26.72	26.73	1.048	1.048	NO	80.90	80.9	0.289	80.90
176	1... 13C-PCB-28	1.29e6	1.06	NO	1.06	1.000	28.75	28.75	1.004	1.004	NO	92.06	92.1	0.364	92.06

Handwritten blue annotations: "75102" with an arrow pointing to row 141, and "97457" with an arrow pointing to row 169.



Dataset: U:\VG11.PRO\Results\200613K1\200613K2-6.qld

Last Altered: Sunday, June 14, 2020 13:34:51 Pacific Daylight Time  
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Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/Vol	Prod.RT	RT	Prod.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	1.16e6	1.06	NO	0.989	1.000	32.73	32.73	1.143	1.143	NO	89.19	89.2	0.391	
178	1... 13C-PCB-54	8.83e5	0.79	NO	0.999	1.000	27.61	27.60	0.753	0.753	NO	105.5	106	0.113	
179	1... 13C-PCB-52	6.73e5	0.79	NO	0.804	1.000	31.24	31.23	0.852	0.852	NO	99.96	100	0.141	
180	1... 13C-PCB-47	7.23e5	0.80	NO	0.857	1.000	31.76	31.75	0.866	0.866	NO	100.7	101	0.132	
181	1... 13C-PCB-70	8.22e5	0.80	NO	0.996	1.000	35.39	35.38	0.965	0.965	NO	98.54	98.5	0.114	
182	1... 13C-PCB-80	8.58e5	0.80	NO	1.03	1.000	35.82	35.82	0.977	0.977	NO	99.58	99.6	0.110	
183	1... 13C-PCB-81	8.19e5	0.81	NO	0.988	1.000	39.03	39.02	1.064	1.064	NO	98.93	98.9	0.115	
184	1... 13C-PCB-77	8.12e5	0.80	NO	0.969	1.000	39.64	39.64	1.081	1.081	NO	100.1	100	0.117	
185	1... 13C-PCB-104	5.04e5	1.61	NO	1.02	1.000	32.44	32.42	0.827	0.826	NO	102.1	102	0.0527	
186	1... 13C-PCB-95	3.91e5	1.63	NO	0.805	1.000	35.69	35.69	0.910	0.910	NO	99.89	99.9	0.0665	
187	1... 13C-PCB-101	3.86e5	1.66	NO	0.793	1.000	37.44	37.44	0.954	0.954	NO	100.1	100	0.0675	
188	1... 13C-PCB-97	3.37e5	1.62	NO	0.696	1.000	38.78	38.78	0.989	0.989	NO	99.51	99.5	0.0769	
189	1... 13C-PCB-123	4.49e5	1.60	NO	0.933	1.000	41.42	41.42	1.056	1.056	NO	98.96	99.0	0.0574	
190	1... 13C-PCB-118	4.92e5	1.66	NO	0.986	1.000	41.61	41.61	1.061	1.061	NO	102.7	103	0.0543	
191	1... 13C-PCB-114	7.23e5	1.58	NO	1.55	1.000	42.29	42.29	0.908	0.908	NO	105.0	105	0.0824	
192	1... 13C-PCB-105	7.60e5	1.60	NO	1.57	1.000	43.17	43.18	0.927	0.927	NO	108.6	109	0.0810	
193	1... 13C-PCB-127	7.98e5	1.58	NO	1.62	1.000	43.53	43.54	0.934	0.935	NO	110.4	110	0.0784	
194	1... 13C-PCB-126	7.82e5	1.55	NO	1.57	1.000	45.49	45.49	0.976	0.976	NO	112.1	112	0.0813	
195	1... 13C-PCB-155	2.86e5	1.30	NO	0.615	1.000	36.96	36.96	0.942	0.942	NO	95.90	95.9	0.0397	
196	1... 13C-PCB-153	6.05e5	1.28	NO	1.36	1.000	43.34	43.35	0.930	0.930	NO	99.68	99.7	0.0974	
197	1... 13C-PCB-141	5.25e5	1.29	NO	1.13	1.000	44.11	44.10	0.947	0.947	NO	104.6	105	0.118	
198	1... 13C-PCB-138	5.17e5	1.27	NO	1.18	1.000	44.97	44.98	0.965	0.965	NO	98.19	98.2	0.112	
199	1... 13C-PCB-159	6.45e5	1.28	NO	1.44	1.000	46.30	46.30	0.994	0.994	NO	100.7	101	0.0924	
200	2... 13C-PCB-167	6.40e5	1.29	NO	1.44	1.000	47.01	47.00	1.009	1.009	NO	99.94	99.9	0.0923	
201	2... 13C-PCB-156	6.23e5	1.28	NO	1.40	1.000	48.32	48.33	1.037	1.037	NO	100.3	100	0.0952	
202	2... 13C-PCB-157	6.39e5	1.30	NO	1.40	1.000	48.61	48.61	1.043	1.044	NO	102.8	103	0.0952	
203	2... 13C-PCB-169	5.86e5	1.27	NO	1.33	1.000	50.89	50.89	1.092	1.092	NO	98.92	98.9	0.0999	
204	2... 13C-PCB-188	4.41e5	0.45	NO	1.41	1.000	42.96	42.97	0.926	0.926	NO	97.24	97.2	0.0964	
205	2... 13C-PCB-180	2.93e5	0.45	NO	0.929	1.000	49.65	49.67	1.070	1.071	NO	98.22	98.2	0.146	
206	2... 13C-PCB-170	2.58e5	0.46	NO	0.794	1.000	51.32	51.34	1.106	1.107	NO	101.1	101	0.171	
207	2... 13C-PCB-189	3.60e5	0.47	NO	1.04	1.000	53.07	53.07	1.144	1.144	NO	107.1	107	0.130	
208	2... 13C-PCB-202	3.22e5	0.93	NO	1.04	1.000	48.55	48.56	1.046	1.047	NO	96.64	96.6	0.0840	
209	2... 13C-PCB-194	4.32e5	0.88	NO	0.768	1.000	54.71	54.69	0.995	0.995	NO	92.15	92.2	0.135	
210	2... 13C-PCB-208	5.39e5	0.80	NO	0.991	1.000	53.93	53.93	0.981	0.981	NO	89.12	89.1	0.0910	
211	2... 13C-PCB-206	3.89e5	0.78	NO	0.552	1.000	56.22	56.22	1.023	1.023	NO	115.6	116	0.163	
212	2... 13C-PCB-209	3.44e5	1.21	NO	0.396	1.000	57.48	57.47	1.046	1.046	NO	142.4	142	0.0264	

10/145%

Dataset: U:\VG11.PRO\Results\200613K1\200613K2-6.qld

Last Altered: Sunday, June 14, 2020 13:34:51 Pacific Daylight Time  
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Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	1.63e6	1.57	NO	1.00	1.000	25.51	25.51	1.000	0.000	NO	100.0	100	0.0319	
214	2... 13C-PCB-31	1.32e6	1.05	NO	1.00	1.000	28.64	28.64	1.000	0.000	NO	100.0	100	0.387	
215	2... 13C-PCB-60	8.38e5	0.80	NO	1.00	1.000	36.66	36.66	1.000	0.000	NO	100.0	100	0.113	
216	2... 13C-PCB-111	4.86e5	1.67	NO	1.00	1.000	39.23	39.23	1.000	0.000	NO	100.0	100	0.0535	
217	2... 13C-PCB-128	4.45e5	1.28	NO	1.00	1.000	46.59	46.59	1.000	0.000	NO	100.0	100	0.133	
218	2... 13C-PCB-182	3.22e5	0.45	NO	1.00	1.000	46.40	46.40	0.000	0.000	NO	100.0	100	0.136	
219	2... 13C-PCB-205	6.10e5	0.90	NO	1.00	1.000	54.97	54.97	1.000	0.000	NO	100.0	100	0.103	
220	2... 13C-PCB-79	8.95e5	0.79	NO	1.07	1.000	37.76	37.76	1.030	1.030	NO	99.94	99.9	0.106	
221	2... 13C-PCB-178	3.03e5	0.43	NO	0.766	1.000	45.84	45.85	0.988	0.988	NO	88.80	88.8	0.129	
222	2... 13C-PCB-79	8.95e5	0.79	NO	1.08	1.000	37.76	37.76	0.968	0.968	NO	101.0	101	0.111	
223	2... 13C-PCB-178	3.03e5	0.43	NO	1.05	1.000	45.85	45.85	0.923	0.923	NO	98.21	98.2	0.148	

*75-125*  
↓

Dataset: Untitled

Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:28:22 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_6-13-20.mdb 14 Jun 2020 13:31:26  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Compound name: PCB-4/10

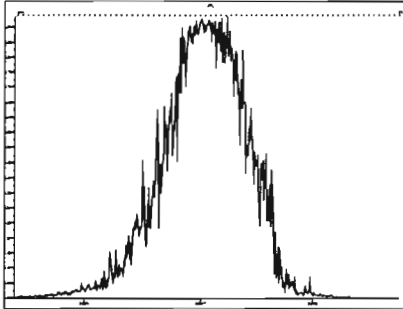
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2	200613K2_2	ST200613K2-2 PCB 209 CS1 19G2607	13-Jun-20	15:49:45
3	200613K2_3	ST200613K2-3 PCB 209 CS2 19G2608	13-Jun-20	16:50:09
4	200613K2_4	ST200613K2-4 PCB 209 CS4 19G2610	13-Jun-20	17:50:38
5	200613K2_5	ST200613K2-5 PCB 209 CS5 19G2611	13-Jun-20	18:51:07
6	200613K2_6	ST200613K2-6 PCB 209 CS3 19G2609	13-Jun-20	19:52:58
7	200613K2_7	SS200613K2-1 PCB 209 SS 19G2612	13-Jun-20	20:52:07
8	200613K2_8	B0F0059-BS1 OPR 5	13-Jun-20	21:52:36
9	200613K2_9	B0F0051-BS1 OPR 1	13-Jun-20	22:53:20
10	200613K2_10	SOLVENT BLANK	13-Jun-20	23:54:53
11	200613K2_11	B0F0051-BLK1 Method Blank 1	14-Jun-20	00:54:07
12	200613K2_12	B0F0059-BLK1 Method Blank 5	14-Jun-20	01:56:17
13	200613K2_13	2001124-01 OWS-BAFA-T200519132631 1	14-Jun-20	02:56:45
14	200613K2_14	2001124-02 OWS-LHAL-T200521132730 1	14-Jun-20	03:55:52
15	200613K2_15	2001124-03 OWS-LHPO-T200521132823 1	14-Jun-20	04:56:17
16	200613K2_16	2001124-04 OWS-ROIS-T200519132732 1	14-Jun-20	05:56:43

*ST200613K2-6 used as cal  
targetted against valid Icar  
from 6-1-2020 Hc 6-14-2020*

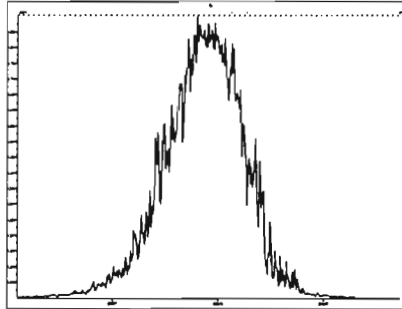
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Printed: Saturday, June 13, 2020 14:45:24 Pacific Daylight Time

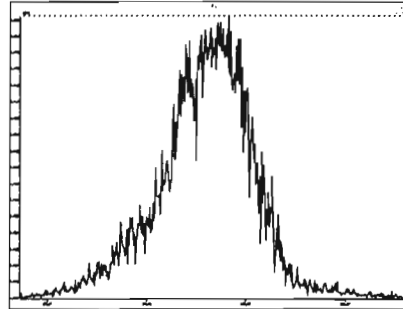
M 168.9888 R 11111



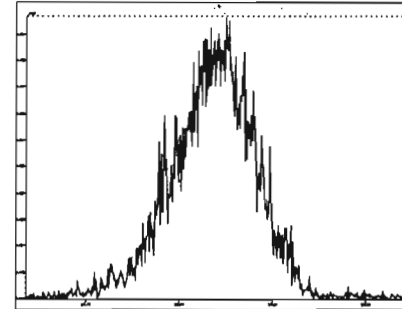
M 180.9888 R 11162



M 192.9888 R 10043



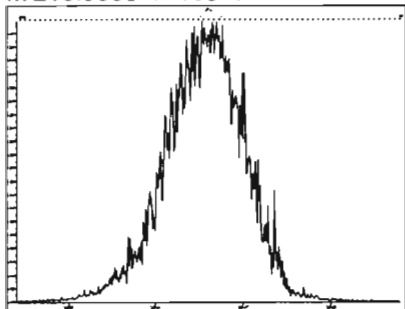
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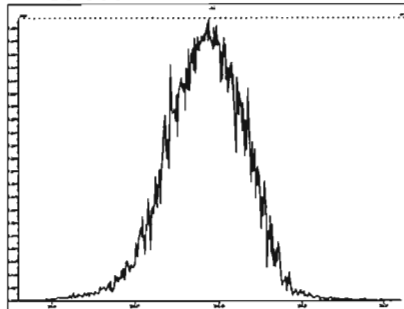
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M 218.9856 R 10547

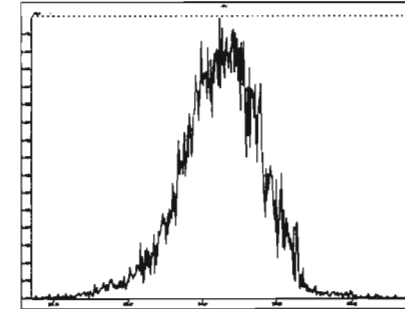


M 230.9856 R 11211

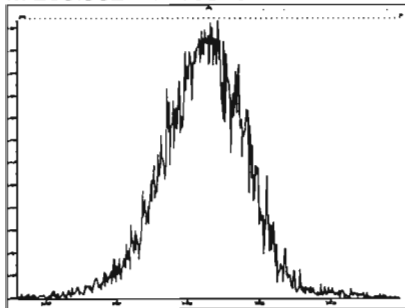


M 242.9856 R 11011

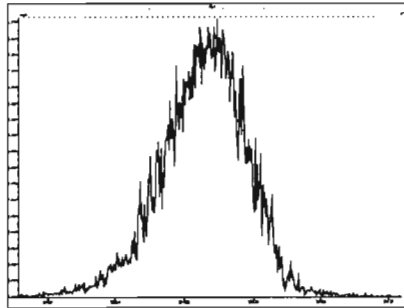
M 254.9856 R 10964



M 268.9824 R 10375



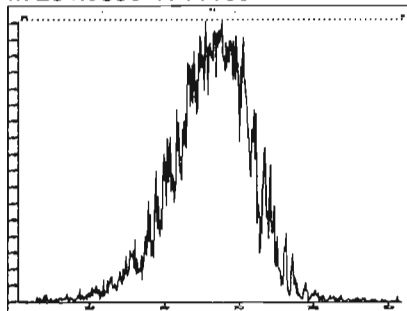
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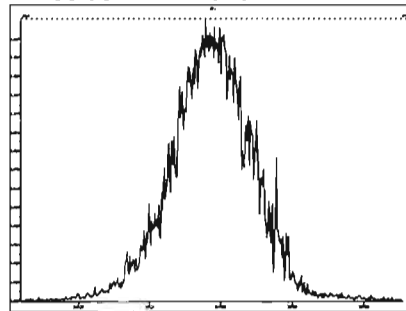
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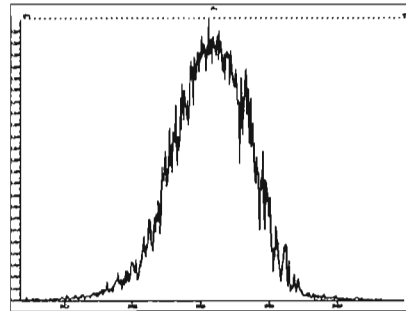
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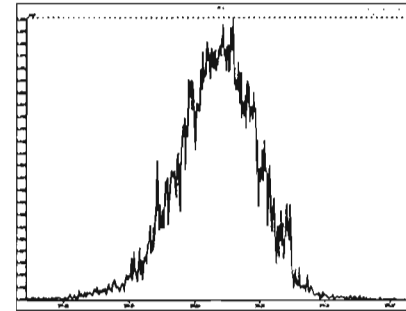
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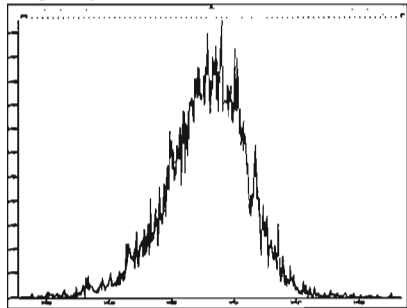
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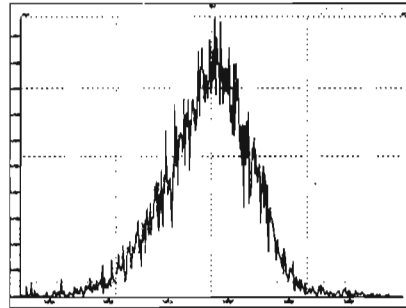
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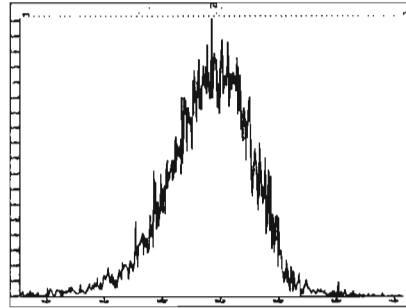
M 304.9824 R 10037



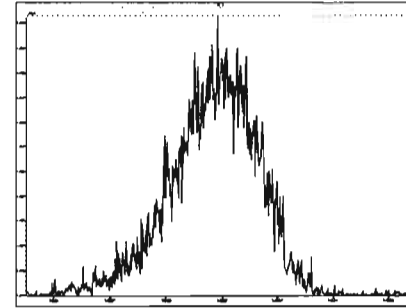
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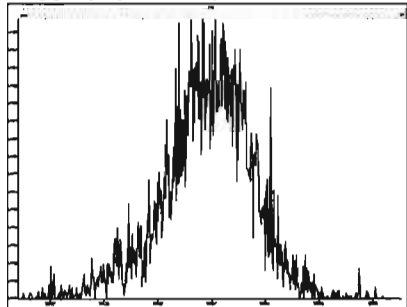
M 330.9792 R 11211



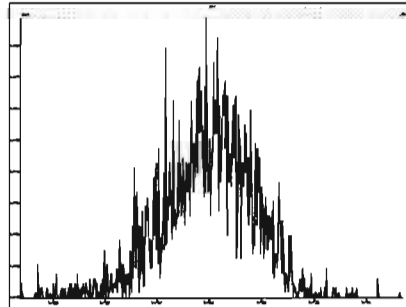
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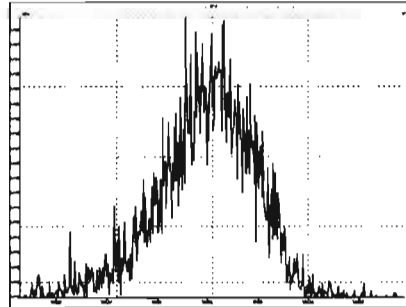
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M 366.9792 R 11962



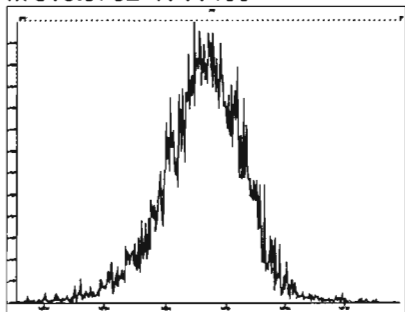
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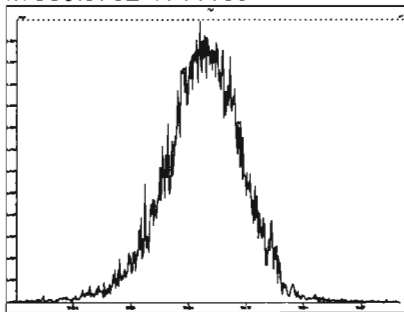
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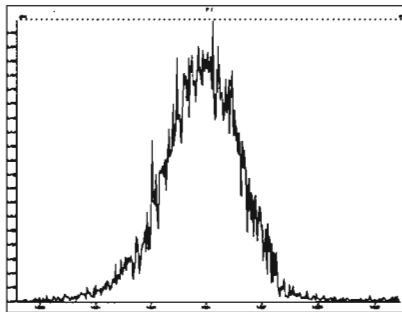
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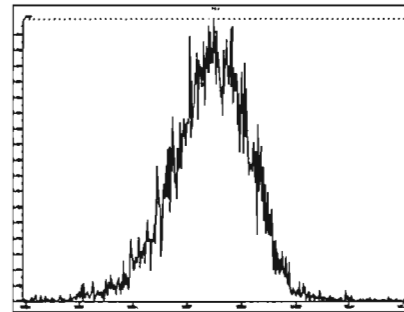
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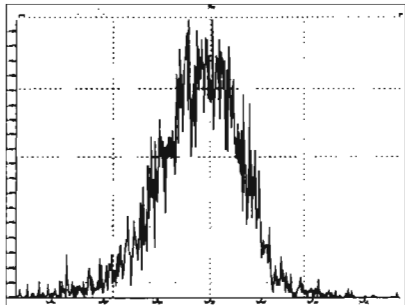
M 342.9792 R 11364



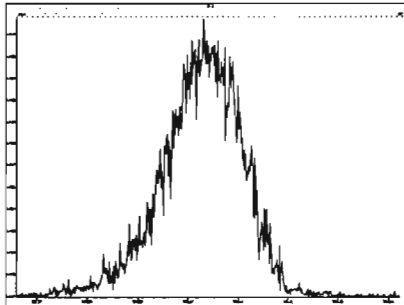
M 354.9792 R 11520



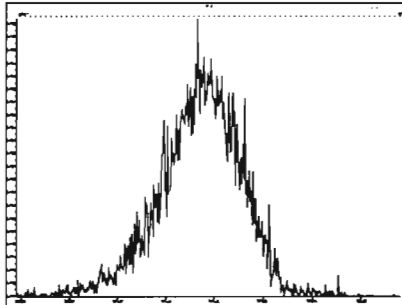
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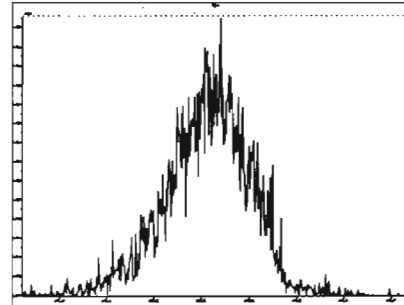
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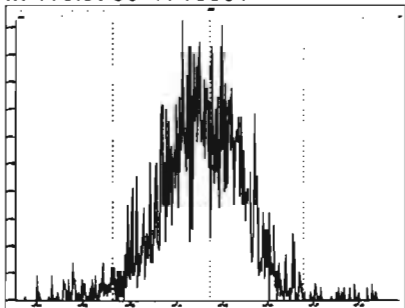
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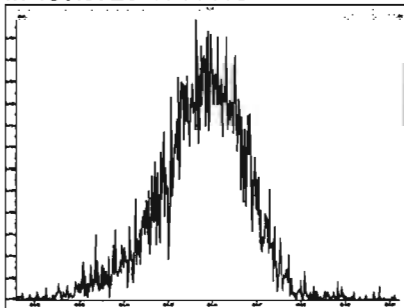
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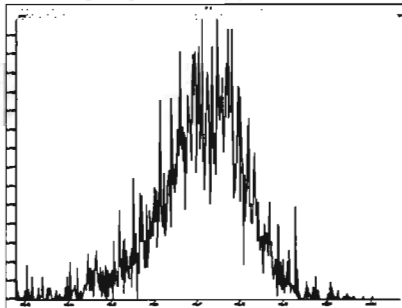
M 416.9760 R 13301



M 430.9728 R 11413



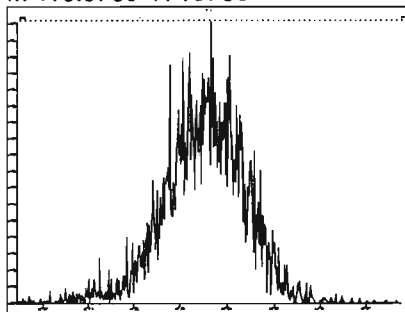
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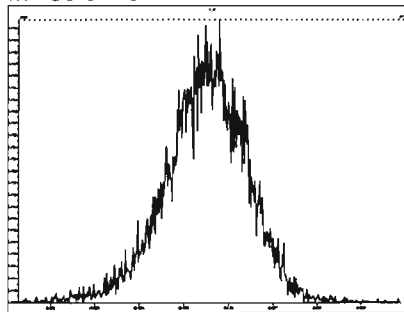
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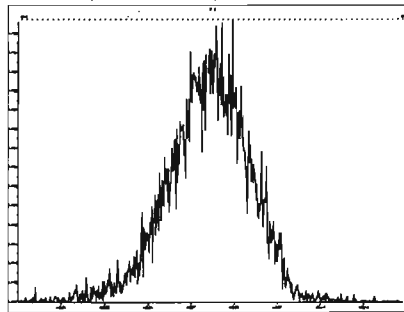
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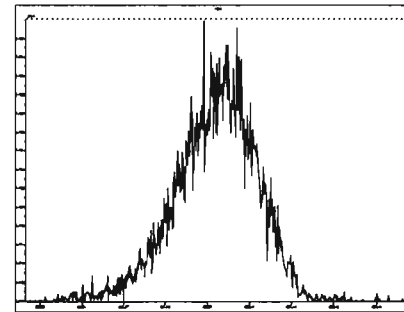
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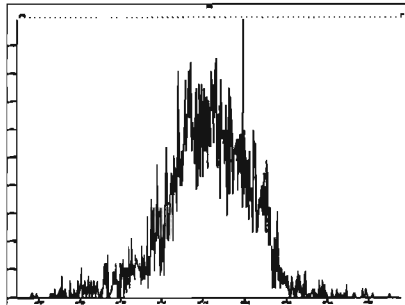
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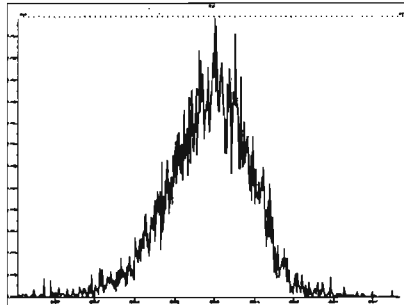
M 454.9728 R 11016



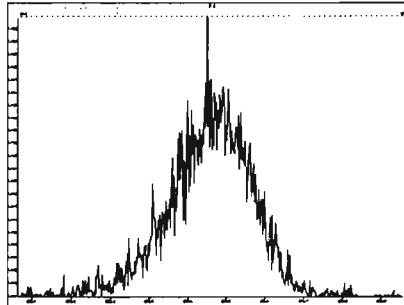
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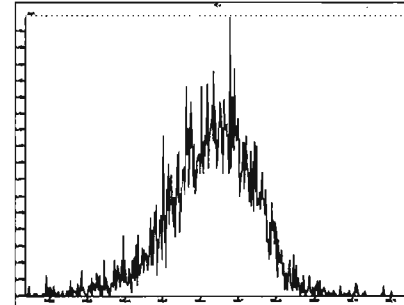
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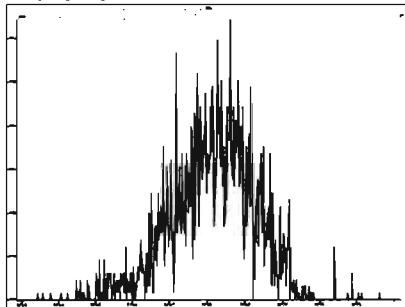
M 492.9696 R 11312



M 504.9696 R 12562



M 516.9697 R 24757





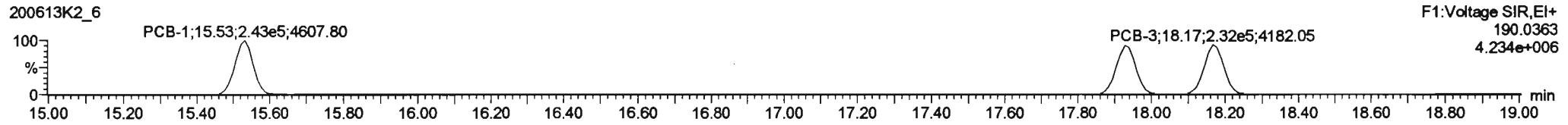
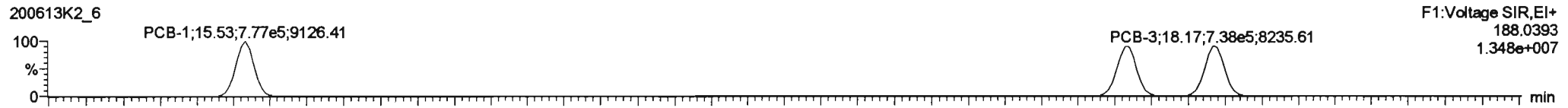
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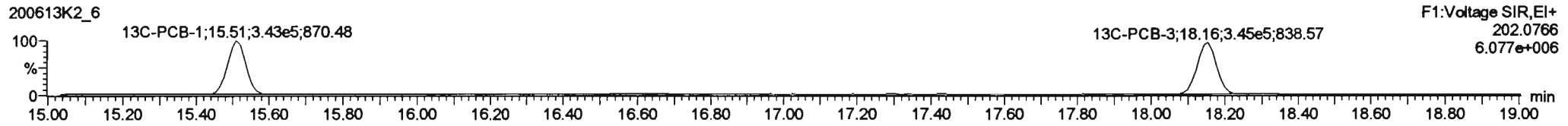
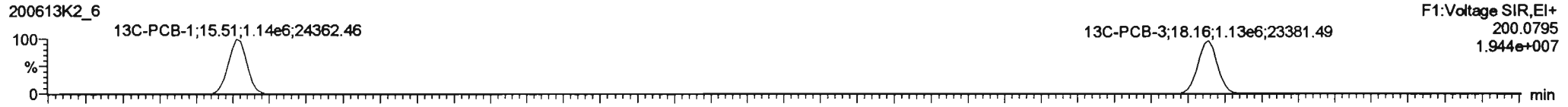
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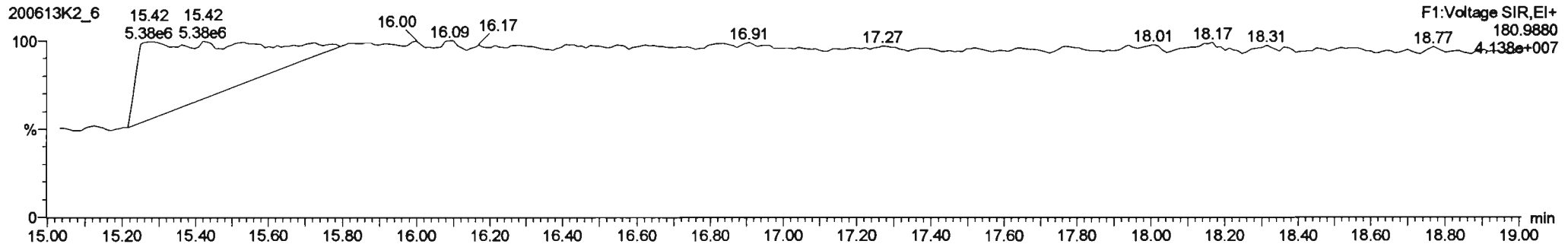
**PCB-1**



**13C-PCB-1**



**PFK1**

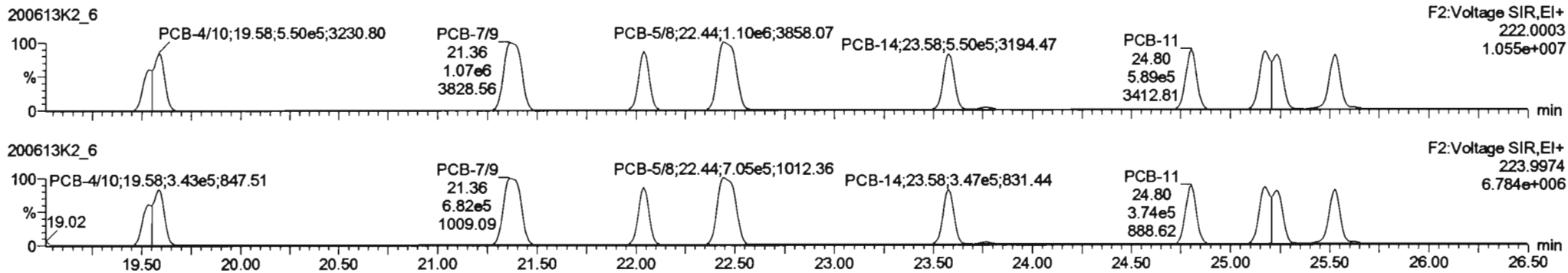


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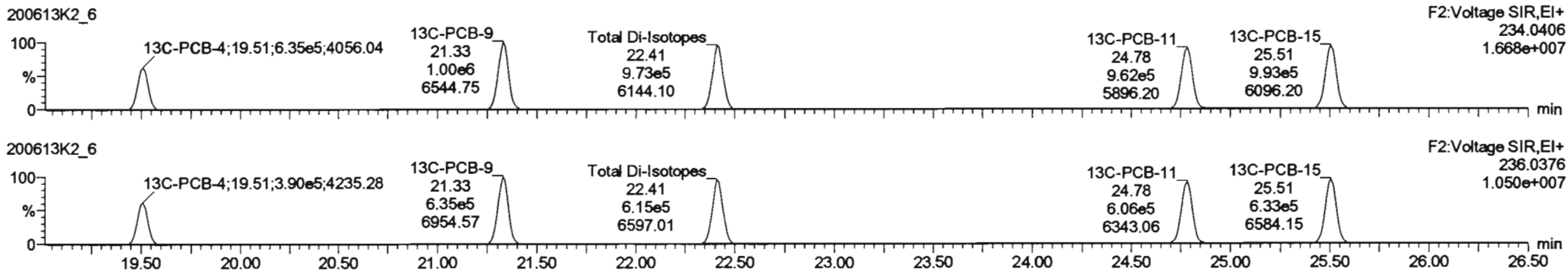
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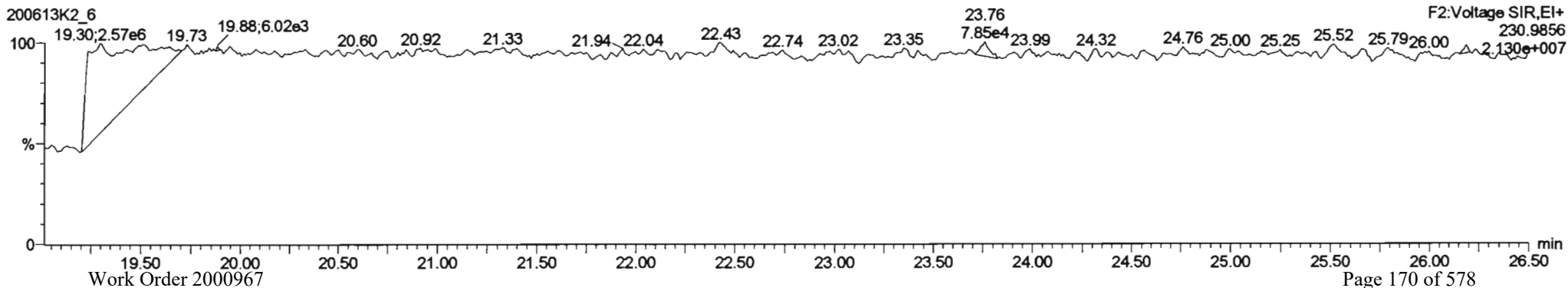
**PCB-4/10**



**13C-PCB-4**

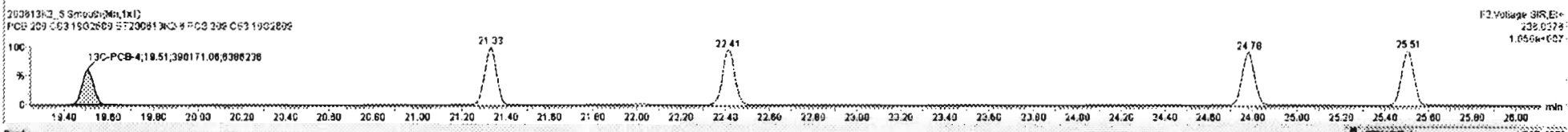
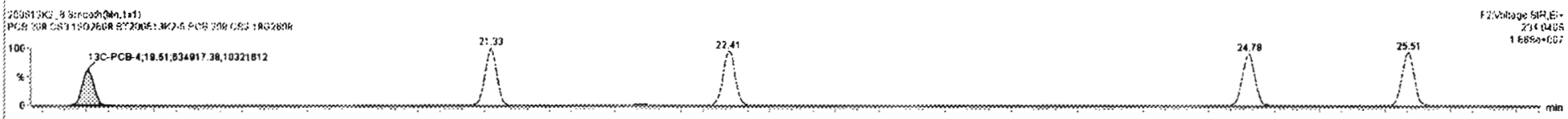
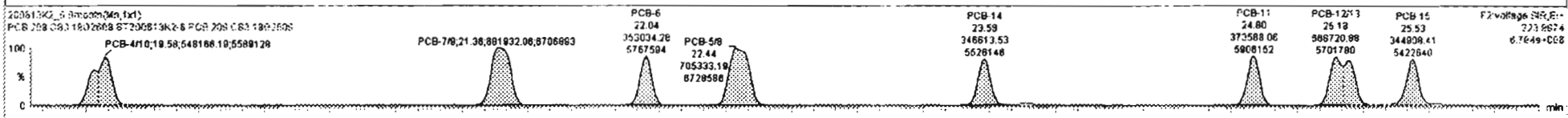
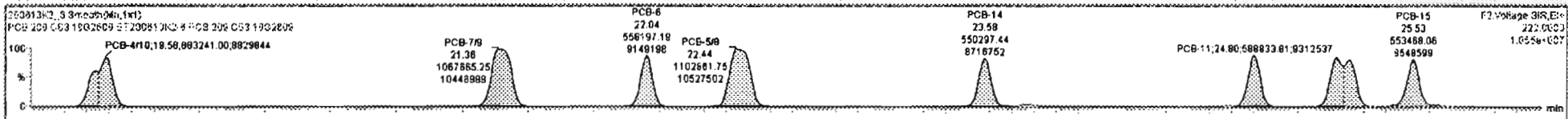


**PFK2a**



#	Name	Area	RA	off	RF	width	Peak RT	RT	Area	RT	RF	Comp	%Rec	DL	EWPC
225	1st Function PCBs				1.0000	1.0000	0.00		0.000		NO	863.7		0.581	863.7
226	2nd Function PCBs				1.0000	1.0000	0.00		0.000		NO	430.4		0.180	430.4
227	3rd Function PCBs				0.9826	1.0000	0.00		0.000		NO	897.4		0.840	897.4
228	Total PCBs				1.0778	1.0000	0.00		0.000		NO	2273		1.55	2273
229	3rd Function PCBs				1.3157	1.0000	0.00		0.000		NO	2119		1.45	2119
230	4th Function PCBs				1.0735	1.0000	0.00		0.000		NO	275.7		0.241	275.7
231	3rd Function PCBs				0.8905	1.0000	0.00		0.000		NO	718.1		0.655	718.1
232	4th Function PCBs				1.0318	1.0000	0.00		0.000		NO	1490		1.98	1490
233	Total PCBs				1.9664	1.0000	0.00		0.000		NO	1960		2.21	1960

#	Name	Peak RT	RT	Area	Height	Width	Area	Height	Width	Area	Height	Width	Area	Height	Width	Area	Height	Width
4	PCB-4/10	19.59	19.59	8.832e5	5.482e5	1.580	1.81	NO	111.88	111.88								
5	PCB-7/9	21.39	21.36	1.068e6	8.219e5	1.580	1.57	NO	111.40	111.40								
6	PCB-6	22.04	22.04	5.582e5	3.530e5	1.580	1.58	NO	54.423	54.423								
7	PCB-5/8	22.44	22.44	1.103e6	7.053e5	1.580	1.58	NO	111.37	111.37								
8	PCB-14	23.58	23.58	5.503e5	3.498e5	1.580	1.59	NO	58.227	58.227								
9	PCB-11	24.80	24.80	5.888e5	3.738e5	1.580	1.58	NO	54.490	54.490								
10	PCB-12/13	25.23	25.18	1.079e6	8.887e5	1.580	1.81	NO	108.58	108.58								
11	PCB-15	25.54	25.53	5.535e5	3.448e5	1.580	1.80	NO	55.385	55.385								

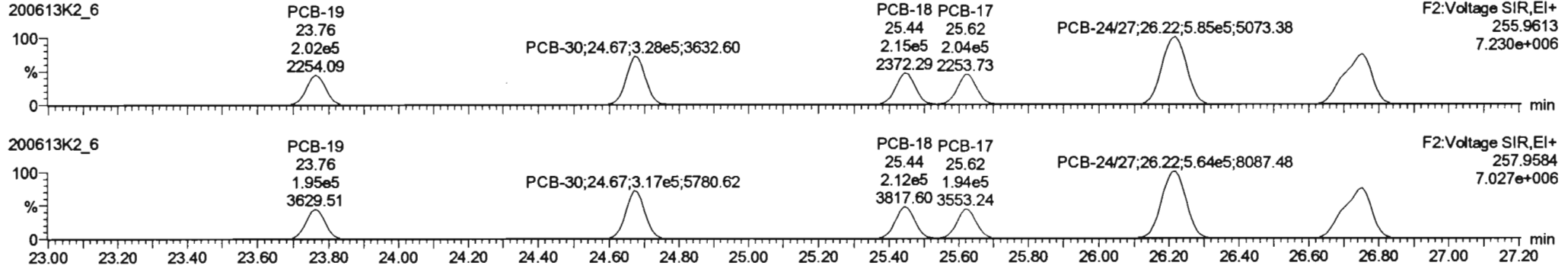


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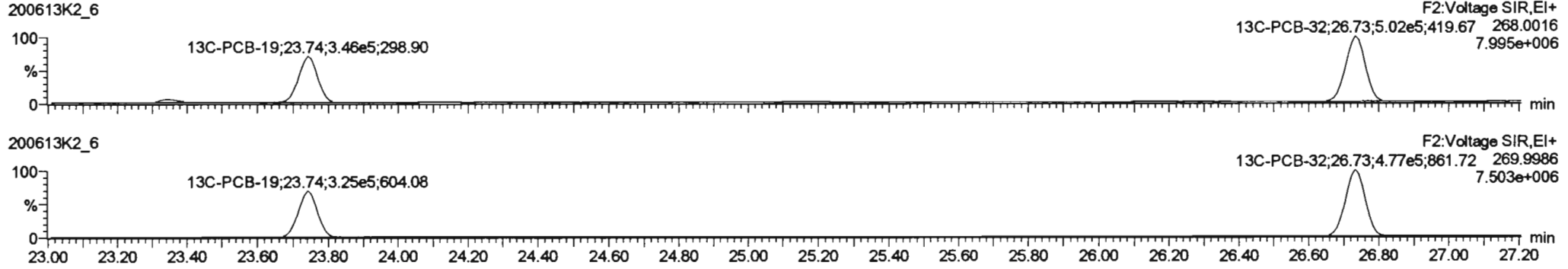
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Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

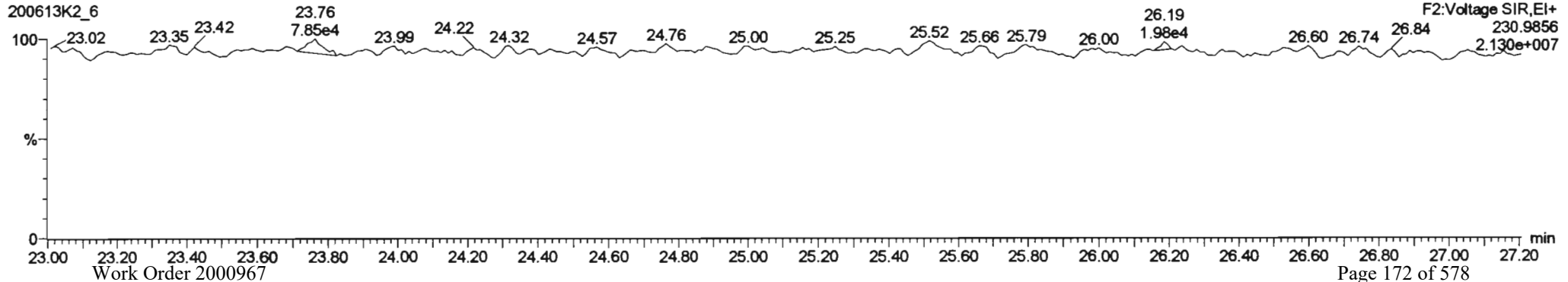
**PCB-19**



**13C-PCB-19**



**PFK2b**

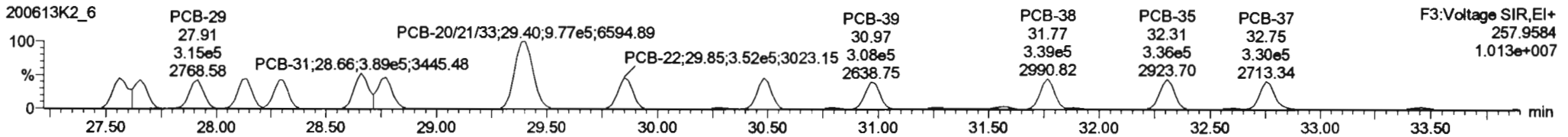
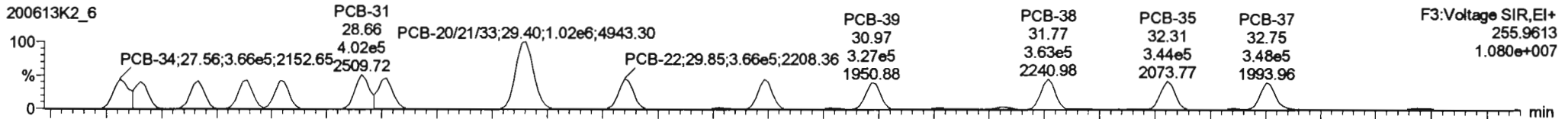


Dataset: Untitled

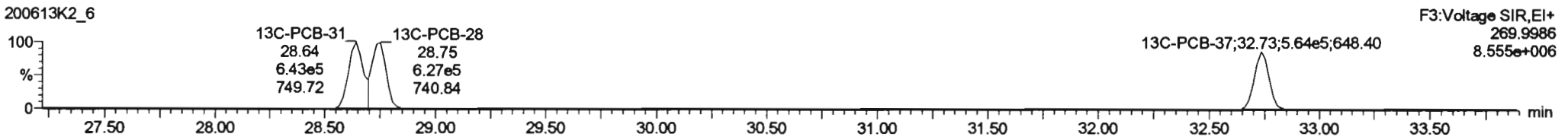
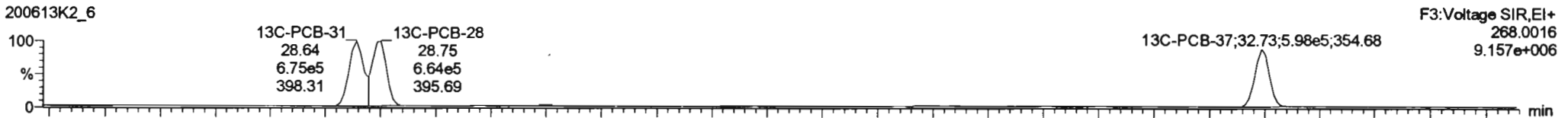
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

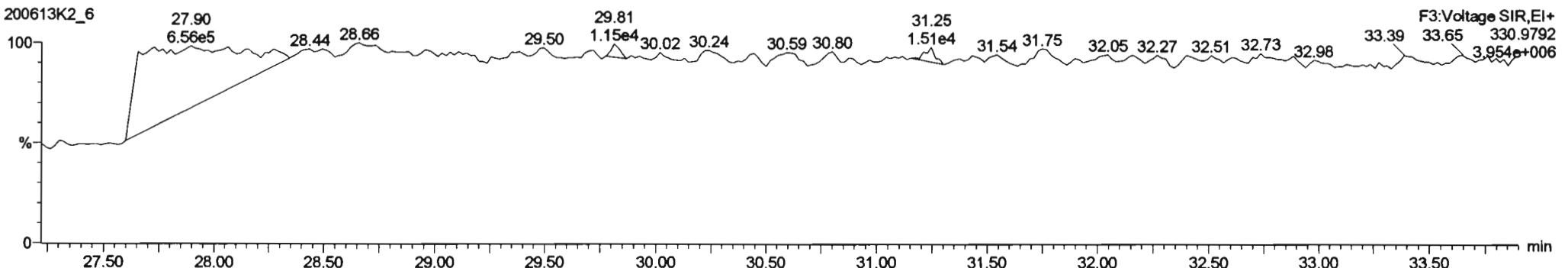
**PCB-34**

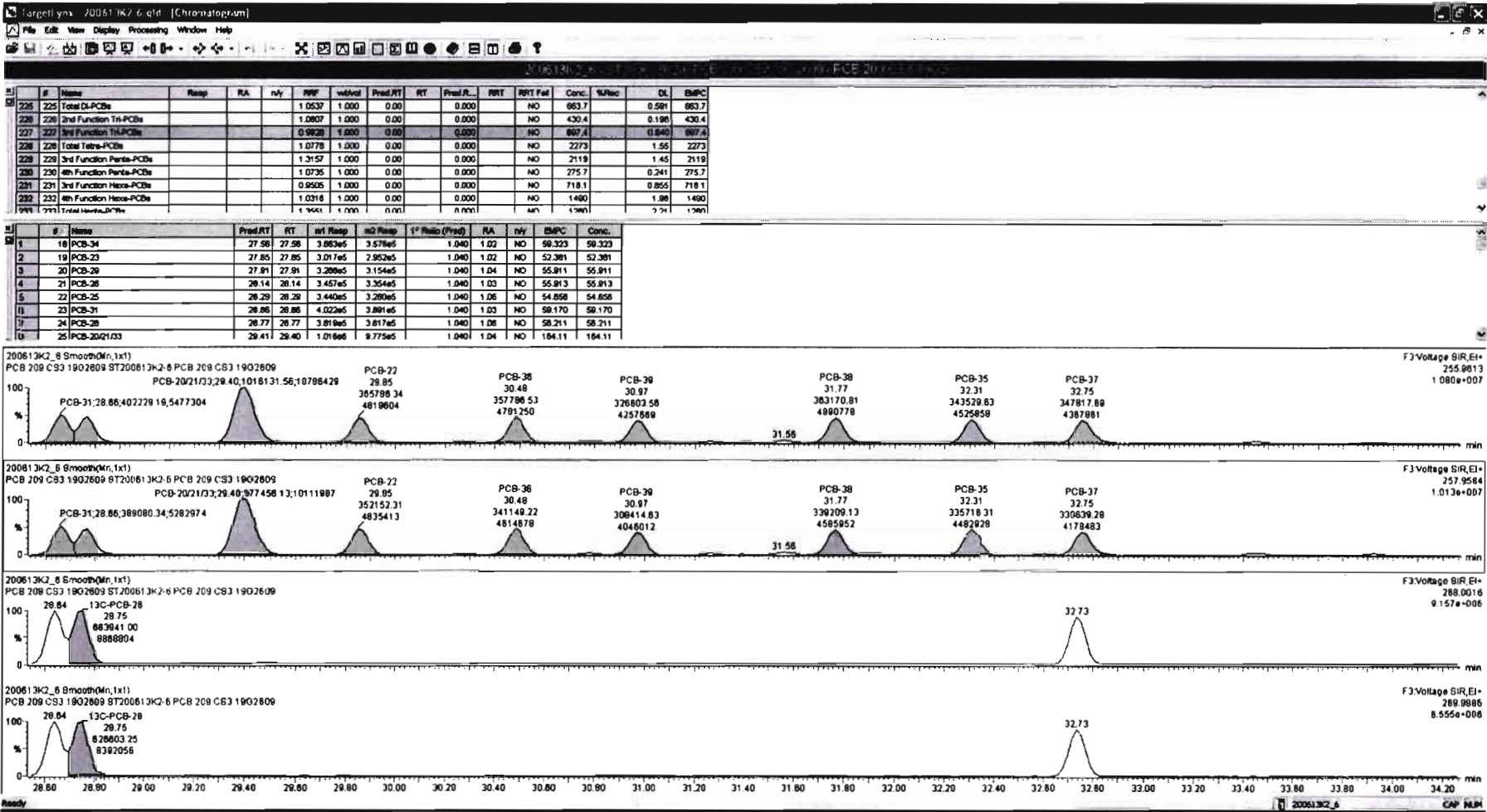


**13C-PCB-28**



**PFK3d**



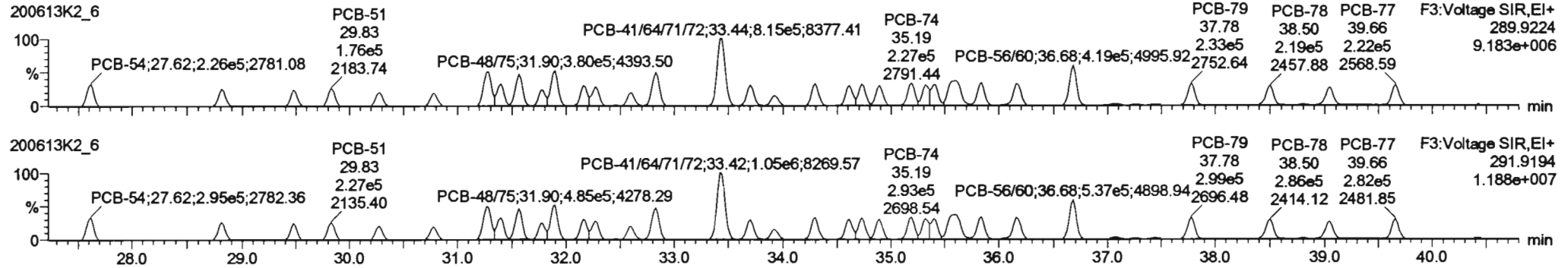


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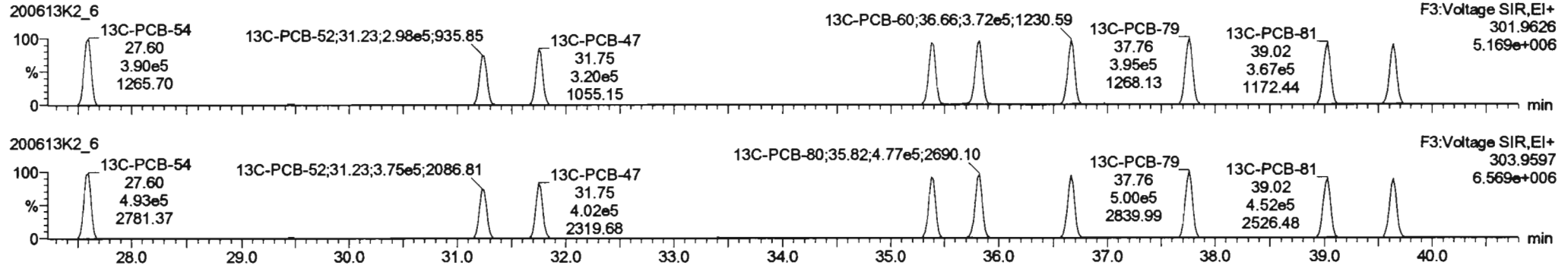
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
 Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

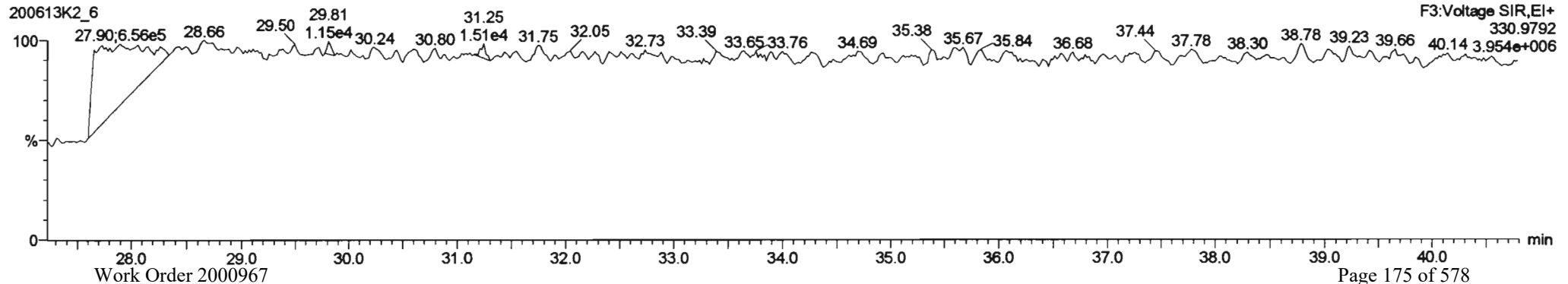
**PCB-54**



**13C-PCB-54**



**PFK3a**



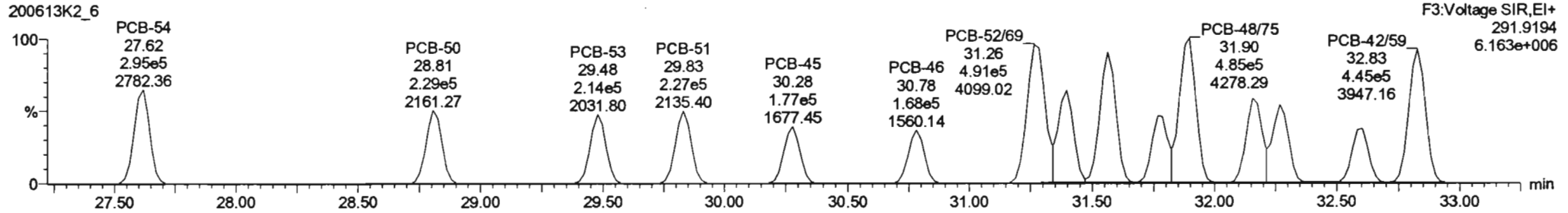
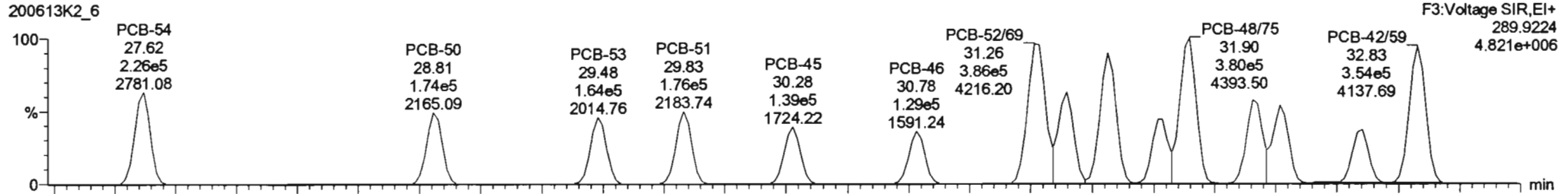
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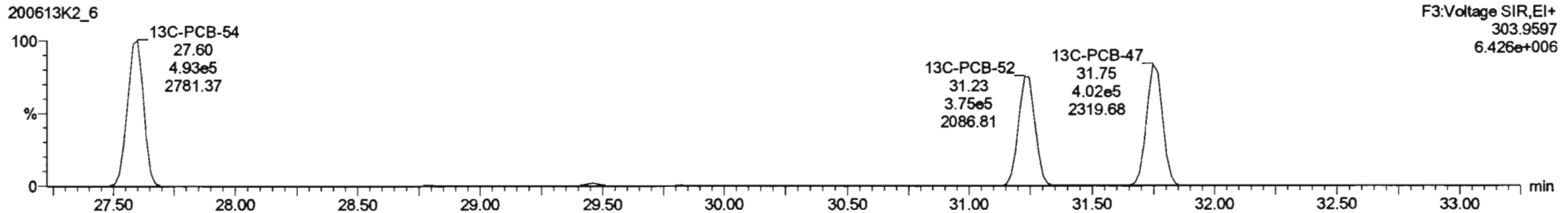
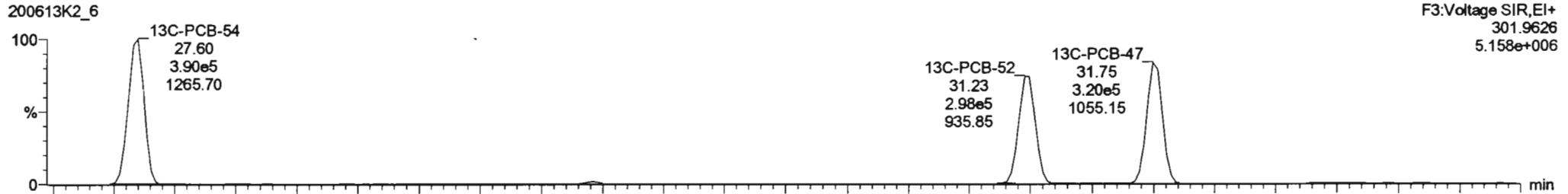
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-50**



**13C-PCB-52**



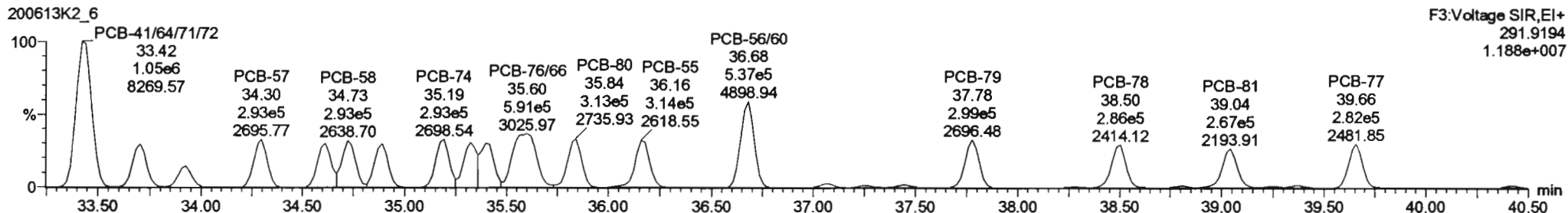
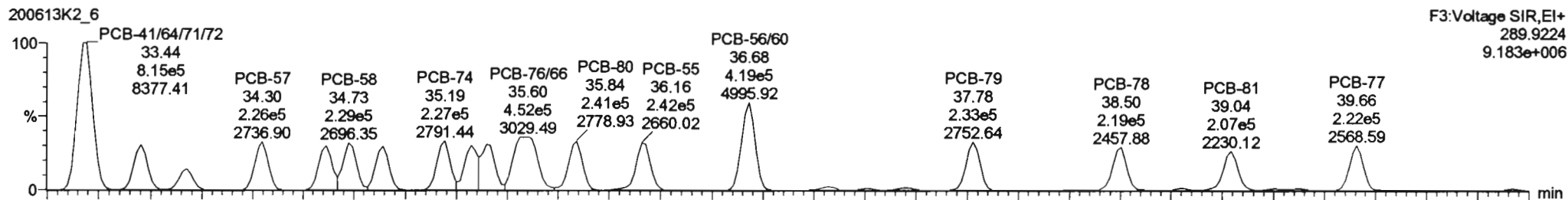


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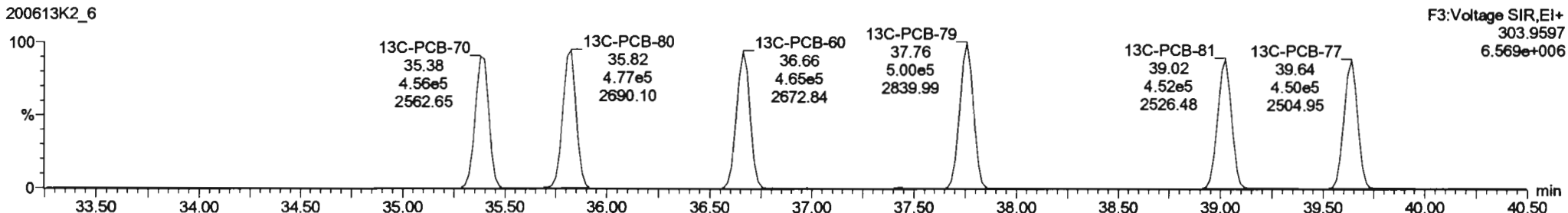
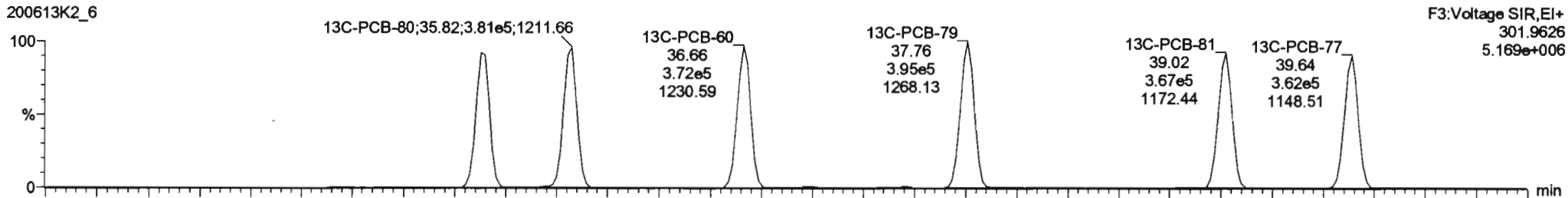
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
 Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-68**

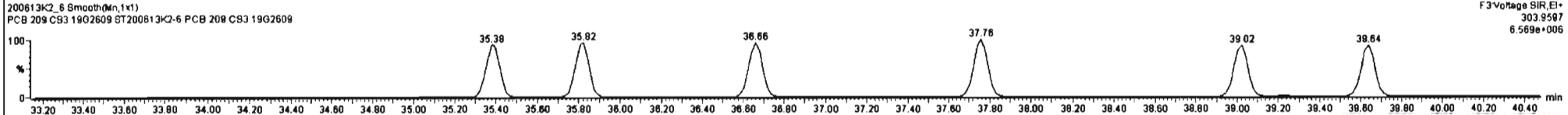
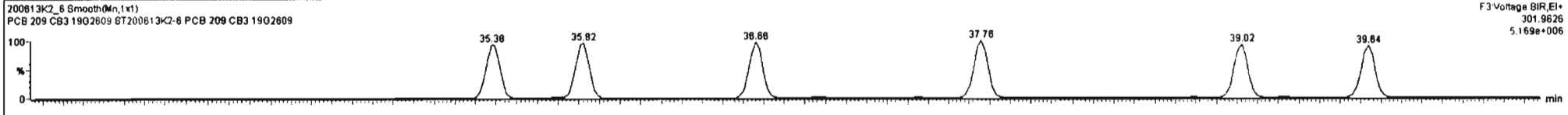
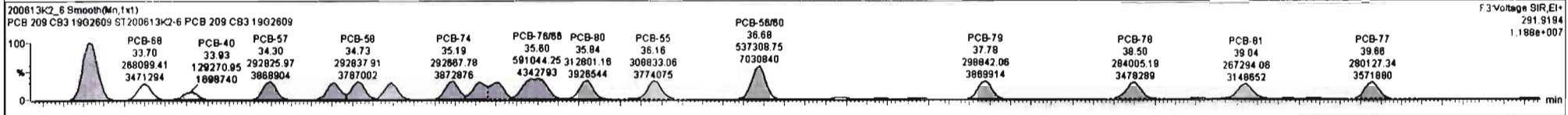
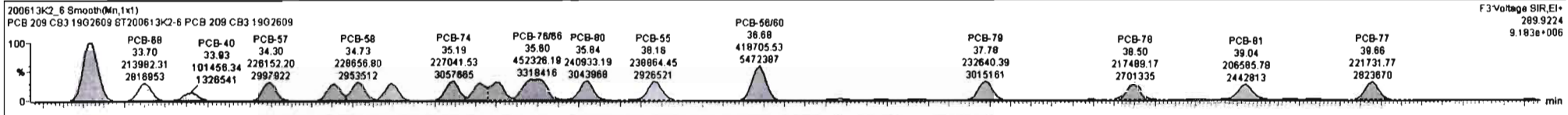


**13C-PCB-60**



#	Name	Resp	RA	n/y	RRP	wtAvt	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
225	225 Total Di-PCBs				1.0537	1.000	0.00		0.000		NO	863.7		0.591	663.7
226	226 2nd Function Tri-PCBs				1.0807	1.000	0.00		0.000		NO	430.4		0.198	430.4
227	227 3rd Function Tri-PCBs				0.9828	1.000	0.00		0.000		NO	867.4		0.540	867.4
228	228 Total Tetra-PCBs				1.0778	1.000	0.00		0.000		NO	2273		1.86	2273
229	229 3rd Function Penta-PCBs				1.3157	1.000	0.00		0.000		NO	2118		1.45	2118
230	230 4th Function Penta-PCBs				1.0735	1.000	0.00		0.000		NO	275.7		0.241	275.7
231	231 3rd Function Hexa-PCBs				0.9505	1.000	0.00		0.000		NO	718.1		0.655	718.1
232	232 4th Function Hexa-PCBs				1.0316	1.000	0.00		0.000		NO	1490		1.98	1490
233	233 Total Hepta-PCBs				1.3651	1.000	0.00		0.000		NO	1290		2.71	1290

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.62	27.62	2.255e5	2.952e5	0.770	0.76	NO	54.801	54.801
2	33 PCB-50	28.81	28.81	1.742e5	2.288e5	0.770	0.76	NO	51.883	51.883
3	34 PCB-53	29.48	29.48	1.840e5	2.136e5	0.770	0.77	NO	56.293	56.293
4	35 PCB-51	29.82	29.83	1.759e5	2.273e5	0.770	0.77	NO	56.230	56.230
5	36 PCB-45	30.27	30.28	1.390e5	1.771e5	0.770	0.78	NO	54.893	54.893
6	37 PCB-46	30.78	30.78	1.294e5	1.678e5	0.770	0.77	NO	53.107	53.107
7	38 PCB-52/69	31.26	31.26	3.899e5	4.910e5	0.770	0.79	NO	111.86	111.86
8	39 PCB-73	31.36	31.39	2.236e5	2.890e5	0.770	0.78	NO	52.651	52.651

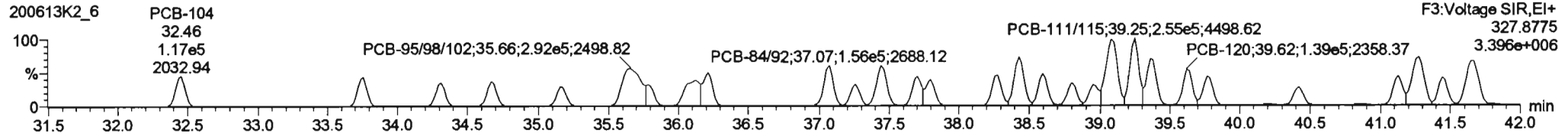
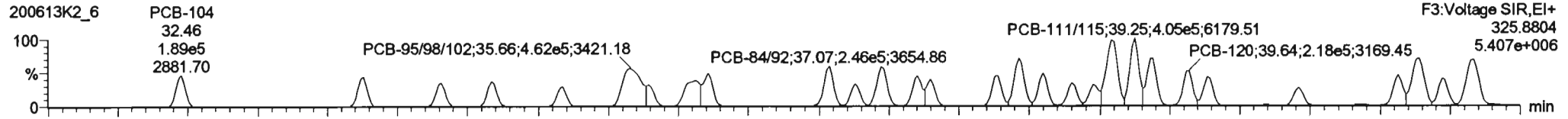


Dataset: Untitled

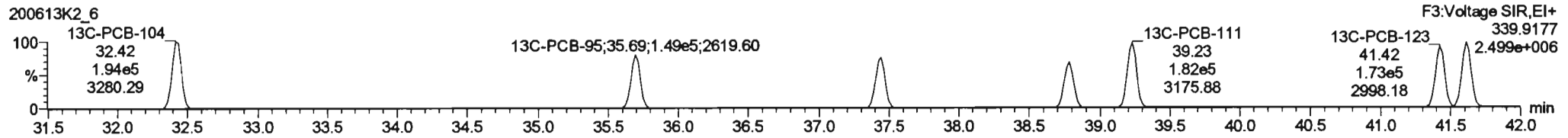
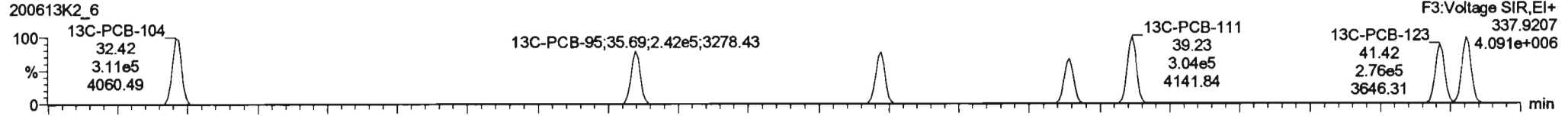
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

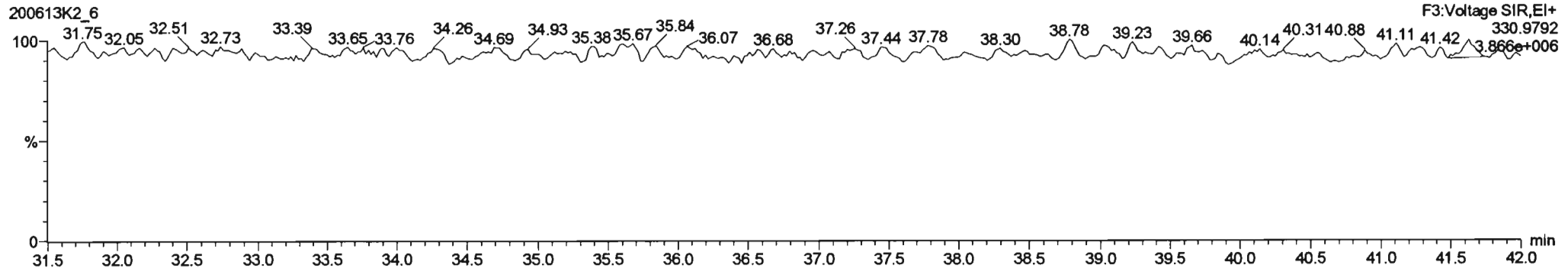
**PCB-104**



**13C-PCB-104**



**PFK3b**



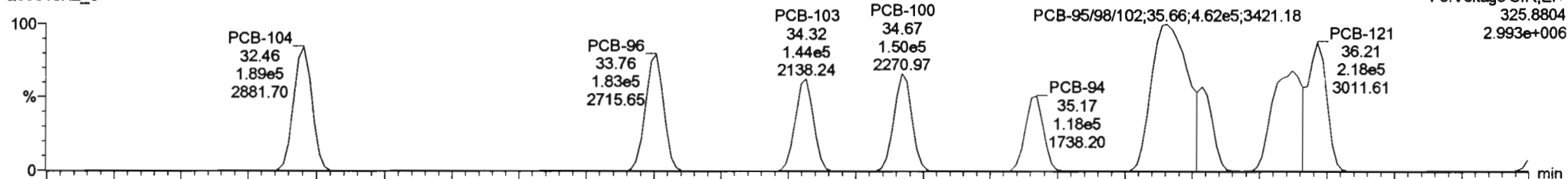
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Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

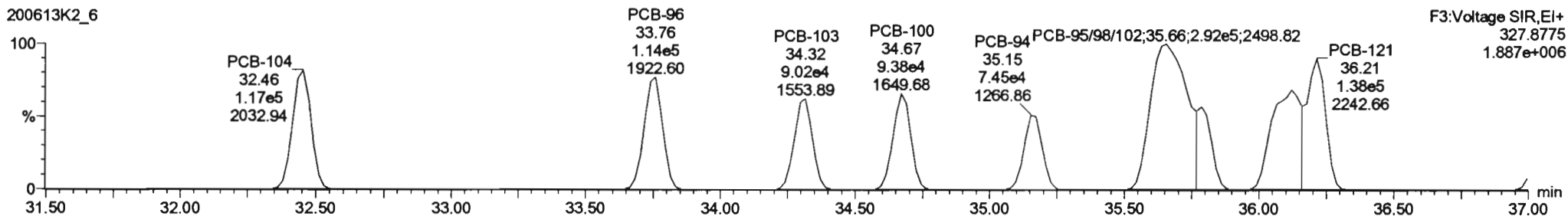
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PCB-96

200613K2\_6

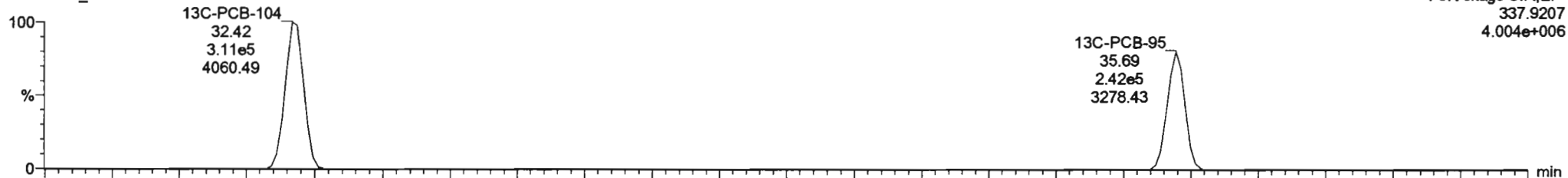


200613K2\_6

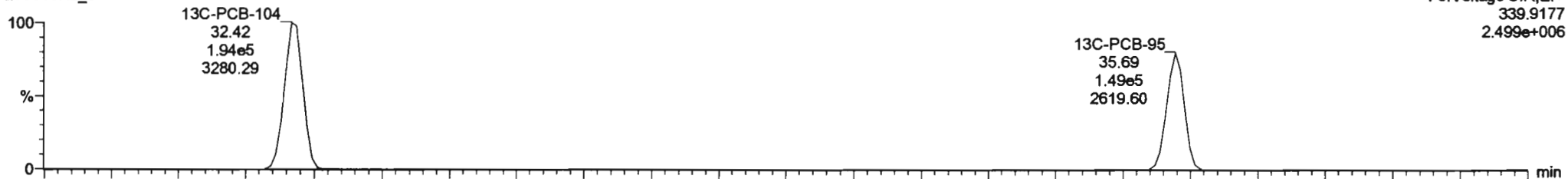


13C-PCB-95

200613K2\_6



200613K2\_6



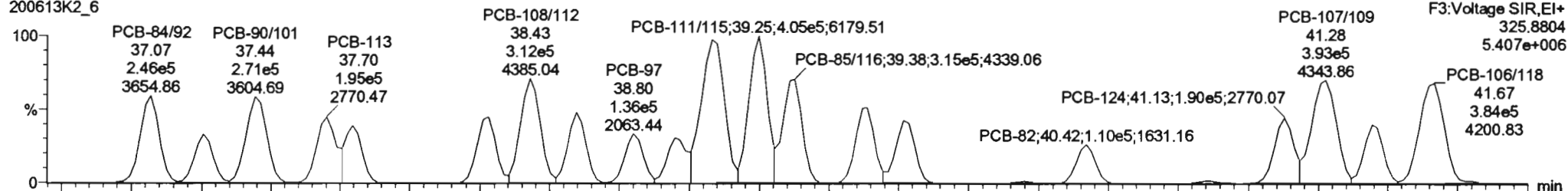
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Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
 Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

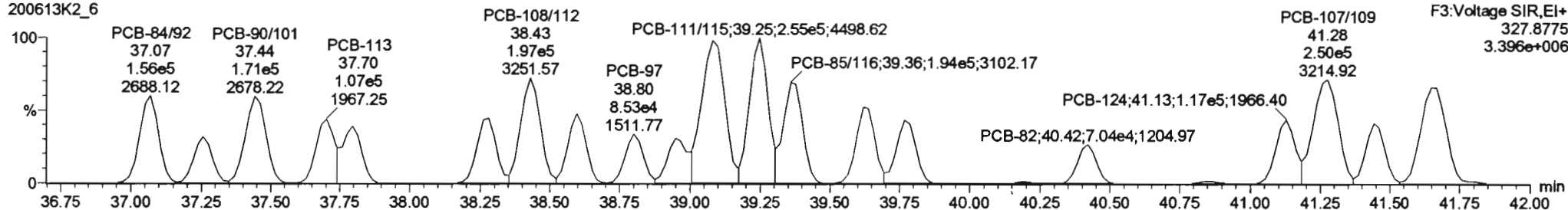
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**PCB-119**

200613K2\_6

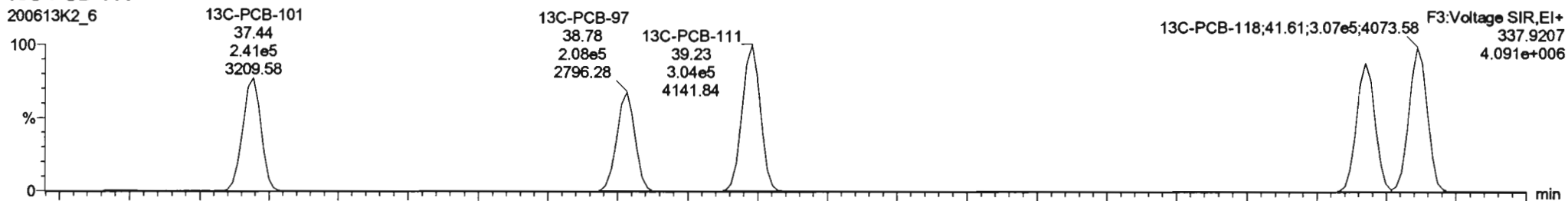


200613K2\_6

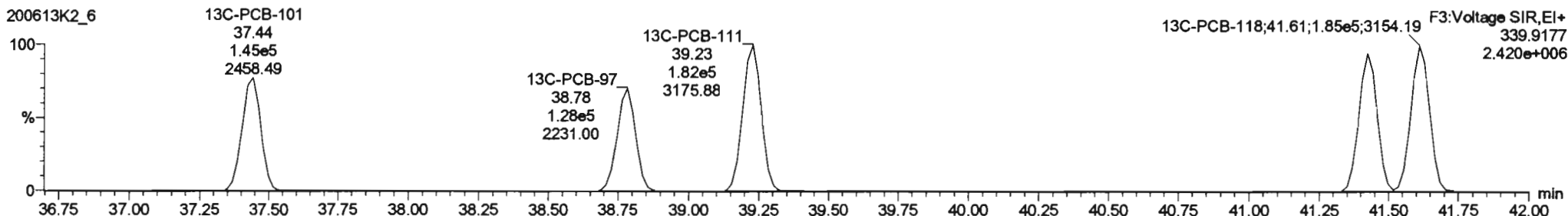


**13C-PCB-111**

200613K2\_6

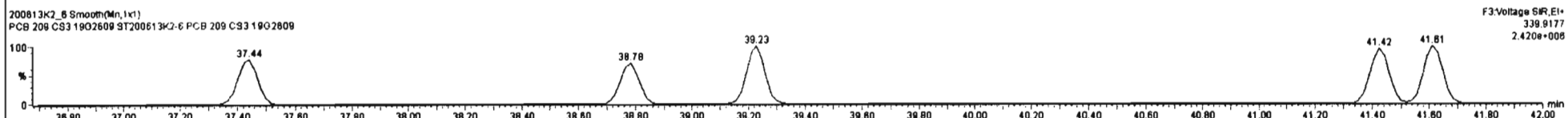
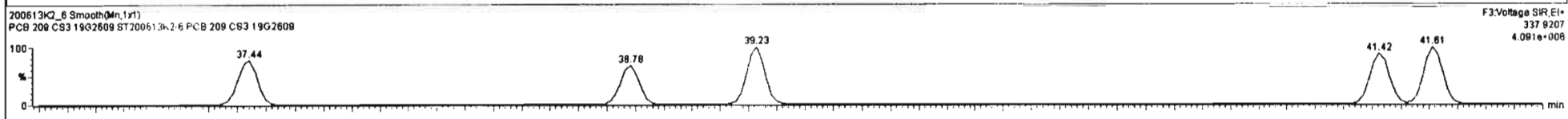
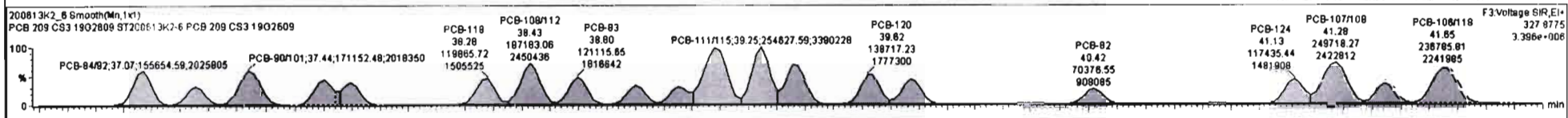
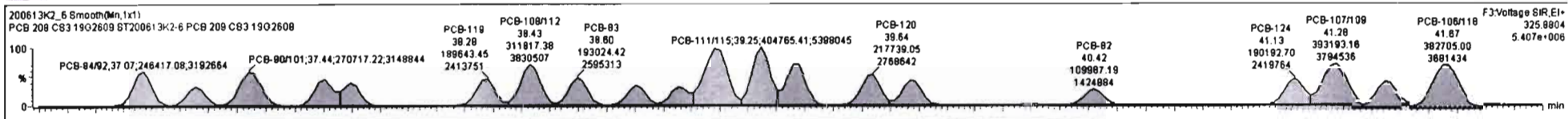


200613K2\_6



#	Name	Resp	RA	n/y	RRF	wtAval	Pred_RT	RT	Pred_R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
225	225 Total Di-PCBs				1.0537	1.000	0.00		0.000		NO	663.7		0.591	663.7
226	226 2nd Function Tri-PCBs				1.0807	1.000	0.00		0.000		NO	430.4		0.198	430.4
227	227 3rd Function Tri-PCBs				0.9926	1.000	0.00		0.000		NO	897.4		0.840	897.4
228	228 Total Tetra-PCBs				1.0776	1.000	0.00		0.000		NO	2273		1.55	2273
229	229 3rd Function Penta-PCBs				1.2157	1.000	0.00		0.000		NO	2118		1.45	2118
230	230 4th Function Penta-PCBs				1.0735	1.000	0.00		0.000		NO	275.7		0.241	275.7
231	231 3rd Function Hexa-PCBs				0.9505	1.000	0.00		0.000		NO	718.1		0.855	718.1
232	232 4th Function Hexa-PCBs				1.0016	1.000	0.00		0.000		NO	1480		1.98	1480
233	233 Total Hexa-PCBs				1.0051	1.000	0.00		0.000		NO	1781		2.71	1781

#	Name	Pred_RT	RT	int Resp	int2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
64	PCB-104	32.44	32.46	1.880e5	1.189e5	1.580	1.82	NO	54.035	54.035
65	PCB-98	33.78	33.78	1.834e5	1.139e5	1.580	1.81	NO	51.072	51.072
66	PCB-103	34.32	34.32	1.430e5	9.016e4	1.580	1.80	NO	48.524	48.524
67	PCB-100	34.87	34.87	1.489e5	9.379e4	1.580	1.80	NO	50.861	50.861
68	PCB-94	35.18	35.17	1.175e5	7.453e4	1.580	1.58	NO	51.774	51.774
69	PCB-95/99/102	35.85	35.86	4.824e5	2.821e5	1.580	1.58	NO	180.25	180.25
70	PCB-93	35.77	35.78	1.072e5	6.579e4	1.580	1.83	NO	47.317	47.317
71	PCB-99/91	36.12	36.12	2.424e5	1.525e5	1.580	1.59	NO	94.880	94.880



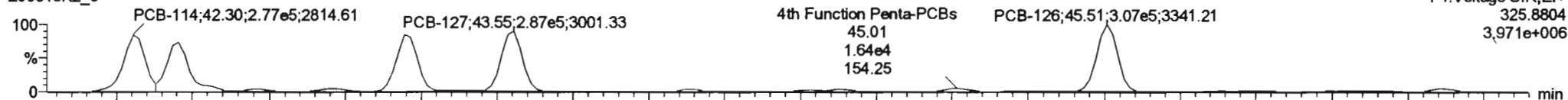
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Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

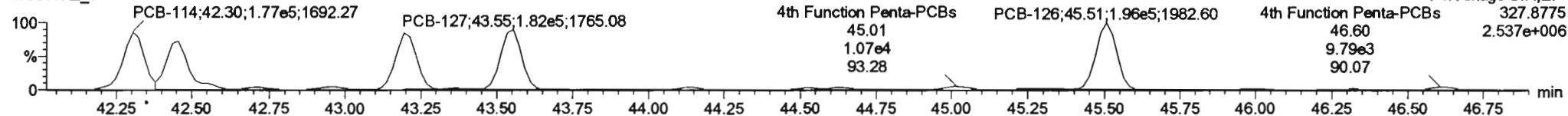
Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-114**

200613K2\_6



200613K2\_6

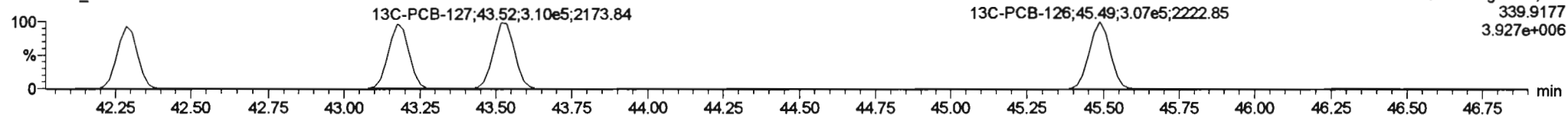


**13C-PCB-114**

200613K2\_6

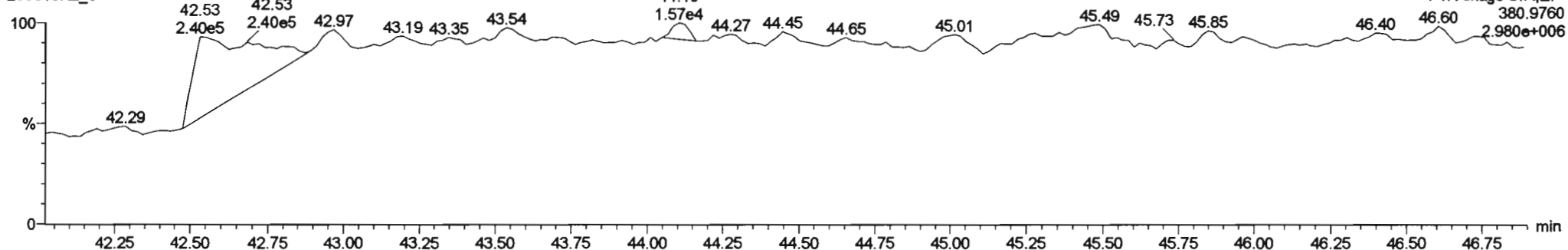


200613K2\_6



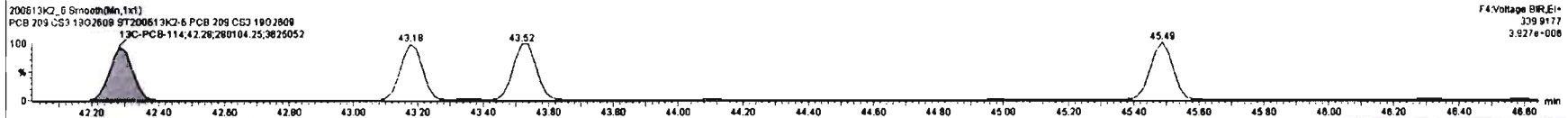
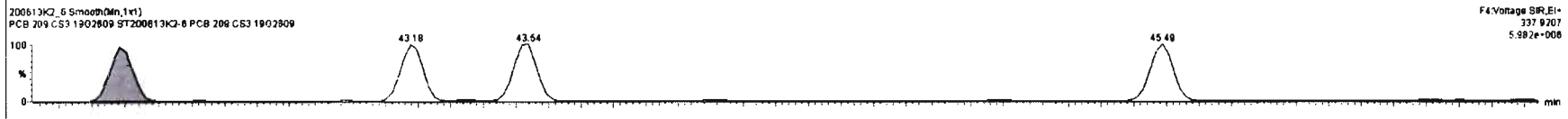
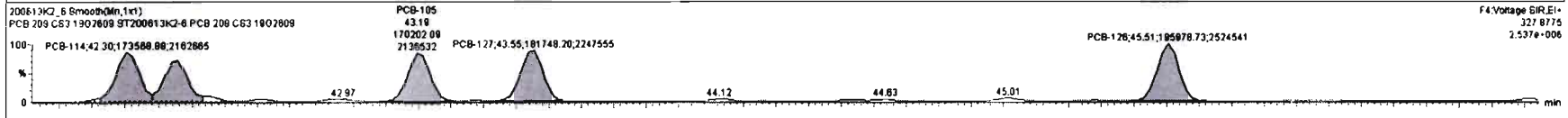
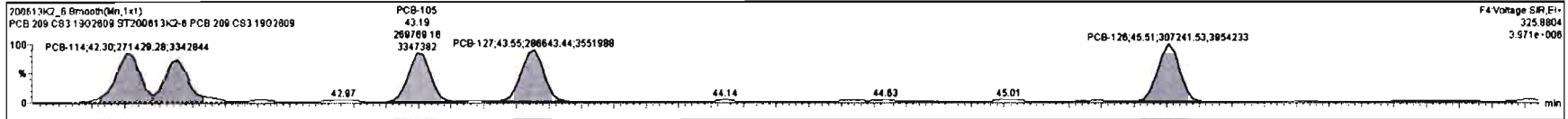
**PFK4a**

200613K2\_6



#	Name	Resp	RA	nly	RF	wtAval	Pred.RT	RT	Pred.R	RRT	RRT Fal	Conc.	%Rec	DL	BdPC
225	Total Di-PCBs				1.0537	1.000	0.00		0.000		NO	863.7		0.581	863.7
226	2nd Function Tri-PCBs				1.0607	1.000	0.00		0.000		NO	430.4		0.198	430.4
227	3rd Function Tri-PCBs				0.9628	1.000	0.00		0.000		NO	867.4		0.840	867.4
228	Total Tetra-PCBs				1.0778	1.000	0.00		0.000		NO	2273		1.55	2273
229	3rd Function Penta-PCBs				1.3157	1.000	0.00		0.000		NO	2118		1.45	2118
230	4th Function Penta-PCBs				1.0735	1.000	0.00		0.000		NO	295.7		0.281	295.7
231	3rd Function Hexa-PCBs				0.9505	1.000	0.00		0.000		NO	718.1		0.655	718.1
232	4th Function Hexa-PCBs				1.0316	1.000	0.00		0.000		NO	1480		1.88	1480
233	Total Hepta-PCBs				1.9444	1.000	0.00		0.000		NO	1780		2.74	1780

#	Name	Pred.RT	RT	rel Resp	std Resp	1* Ratio (Pred)	RA	nly	BdPC	Conc.
1	93 PCB-114	42.31	42.30	2.714e5	1.738e5	1.560	1.56	NO	53.896	53.896
2	94 PCB-122	42.45	42.46	2.347e5	1.481e5	1.580	1.57	NO	58.237	58.237
3	95 PCB-105	43.19	43.19	2.898e5	1.702e5	1.550	1.58	NO	55.130	55.130
4	96 PCB-127	43.55	43.55	2.888e5	1.817e5	1.580	1.58	NO	35.443	35.443
5	97 PCB-128	45.51	45.51	3.072e5	1.980e5	1.580	1.57	NO	54.830	54.830





Dataset: Untitled

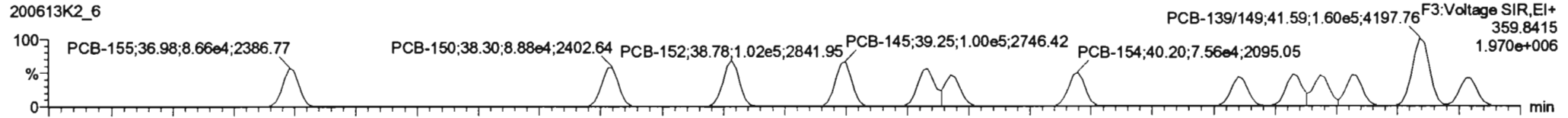
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time

Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

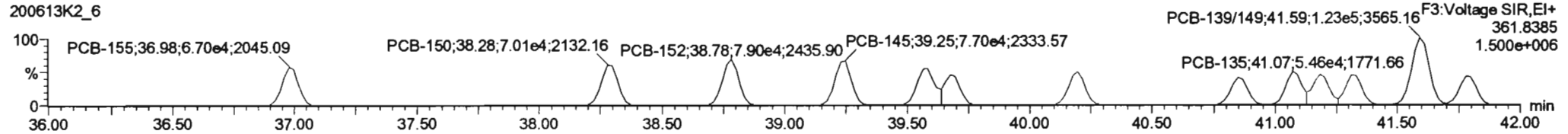
Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-155**

200613K2\_6

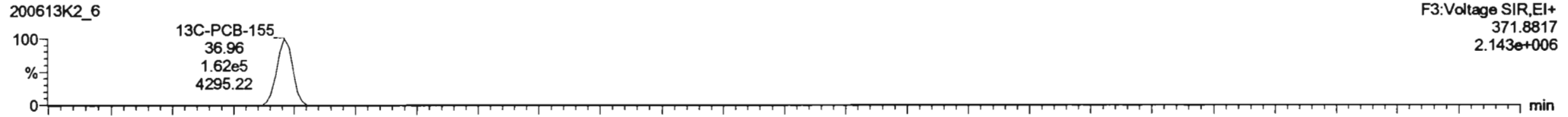


200613K2\_6

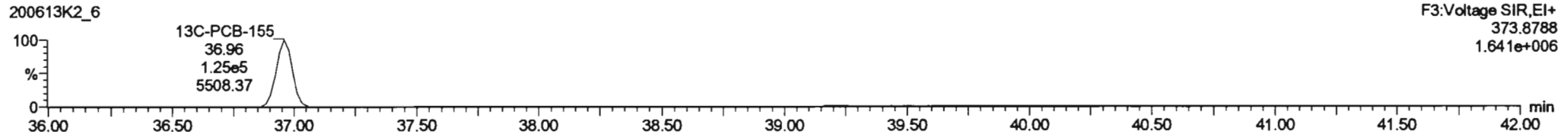


**13C-PCB-155**

200613K2\_6

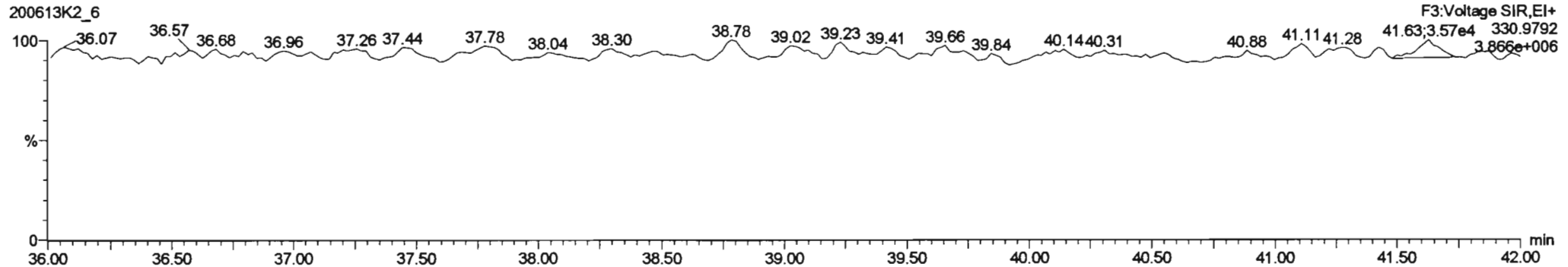


200613K2\_6



**PFK3c**

200613K2\_6

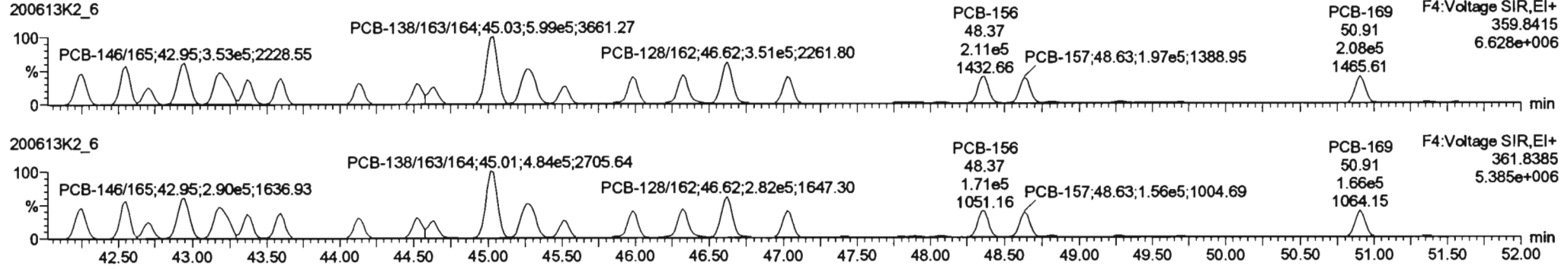


Dataset: Untitled

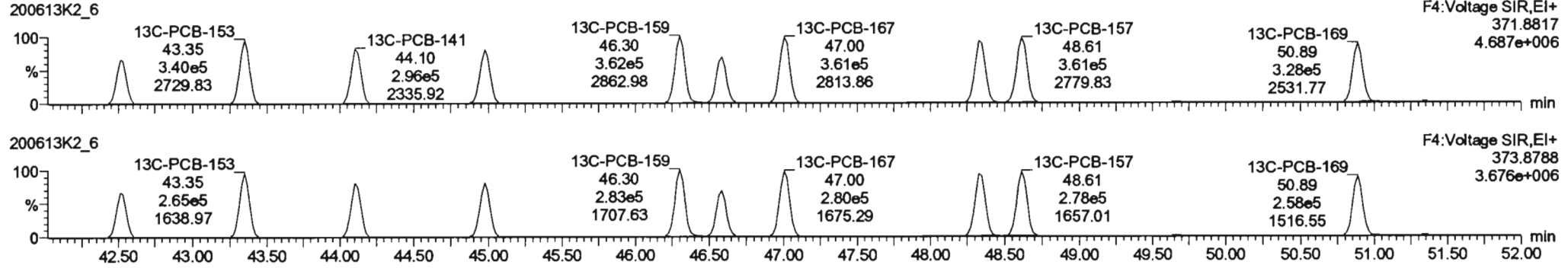
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

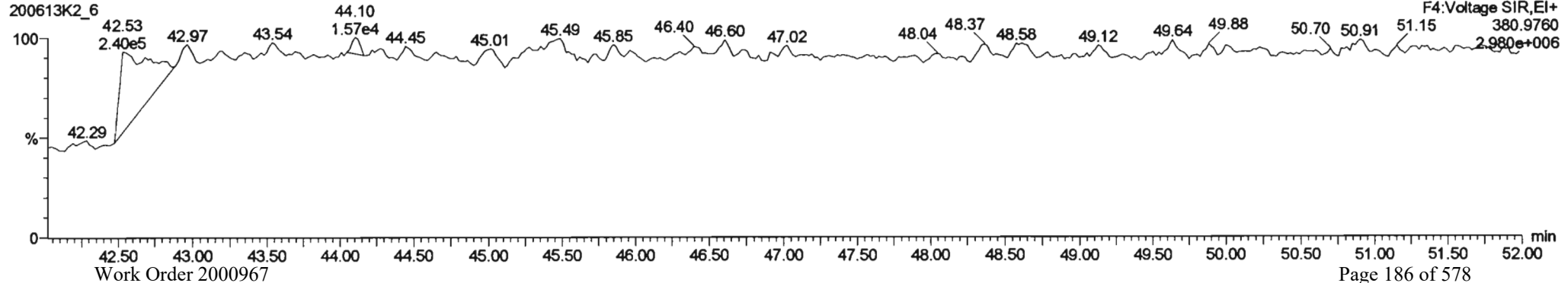
**PCB-134/143**

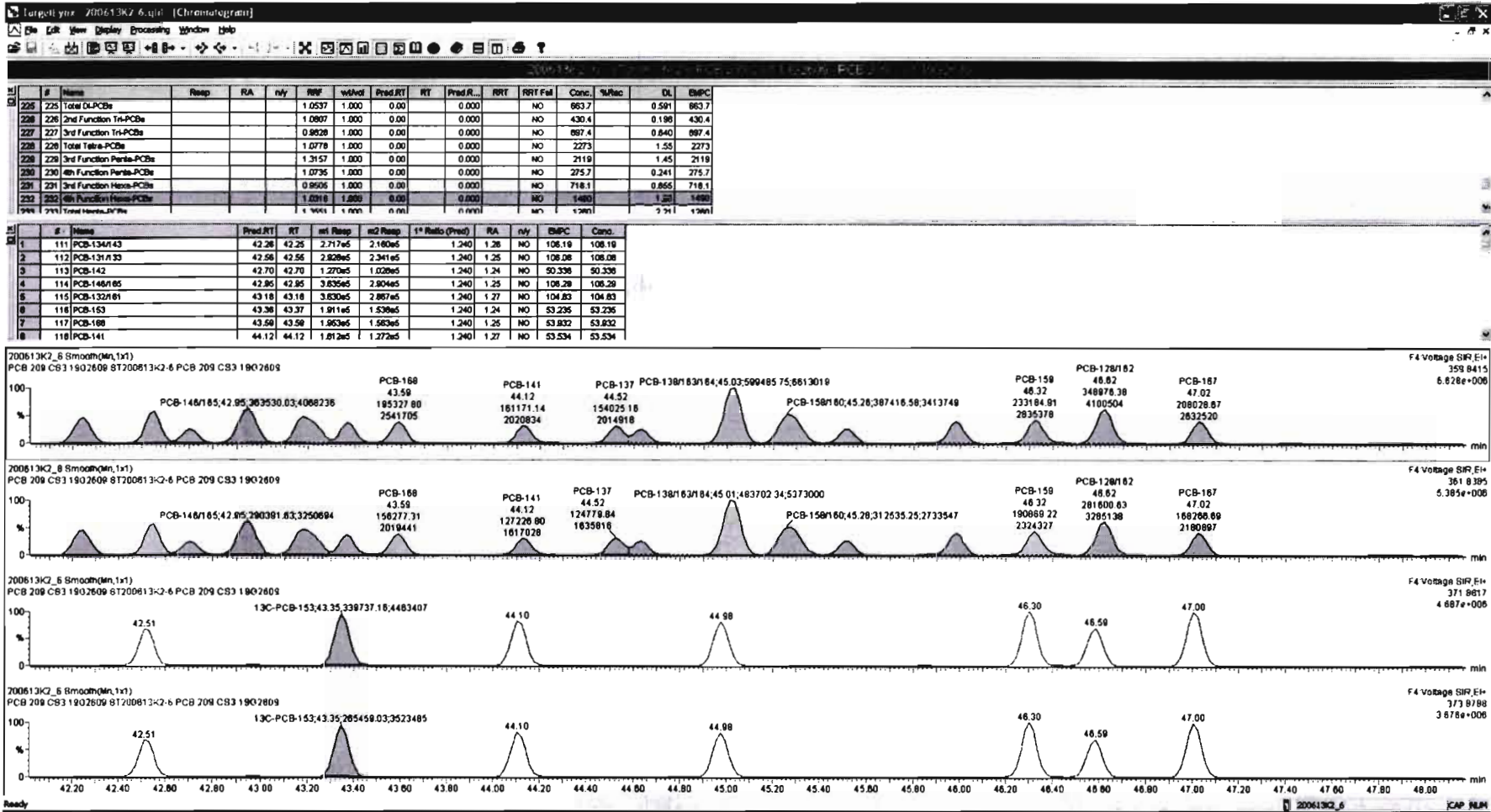


**13C-PCB-153**



**PFK4b**





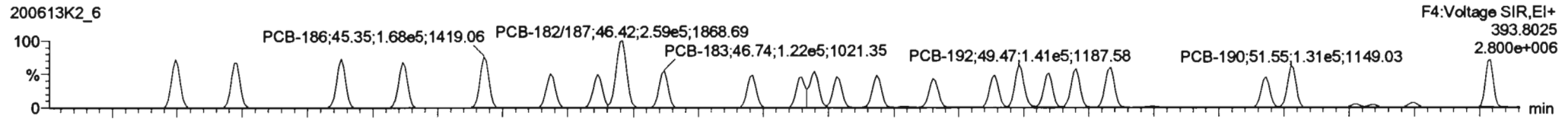
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Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

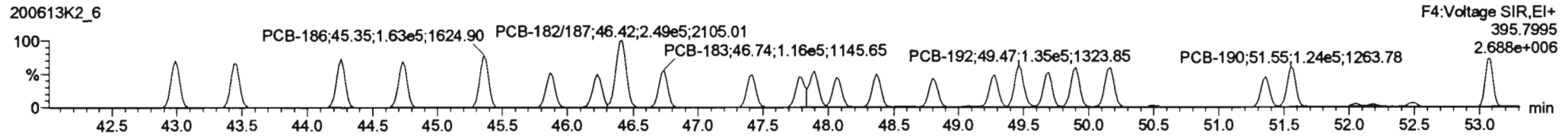
Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-188**

200613K2\_6

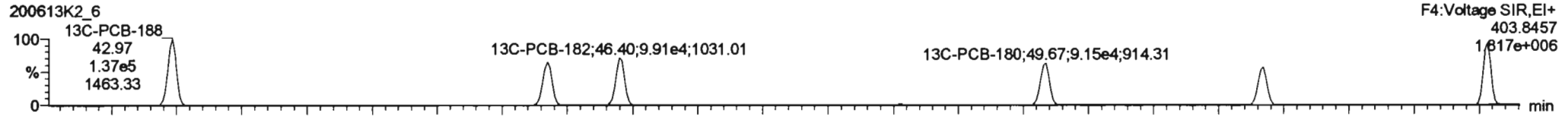


200613K2\_6

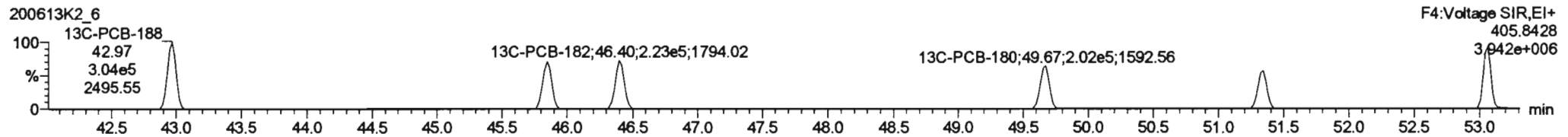


**13C-PCB-188**

200613K2\_6

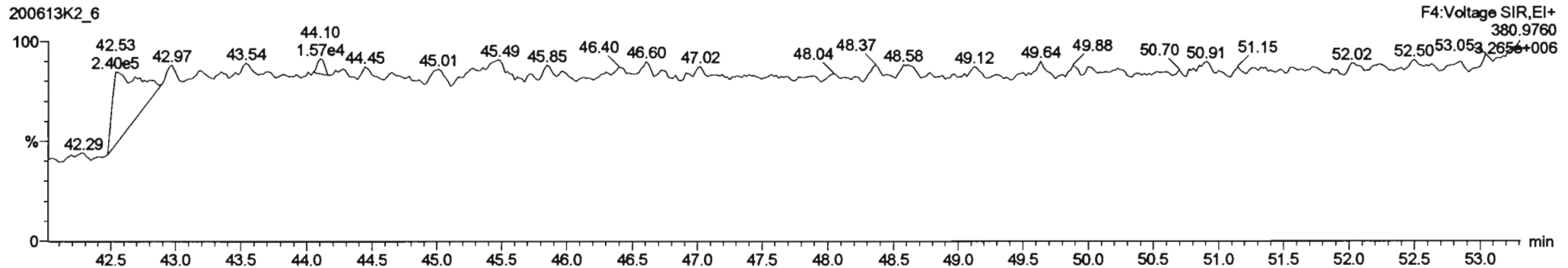


200613K2\_6



**PFK4c**

200613K2\_6



Dataset: Untitled

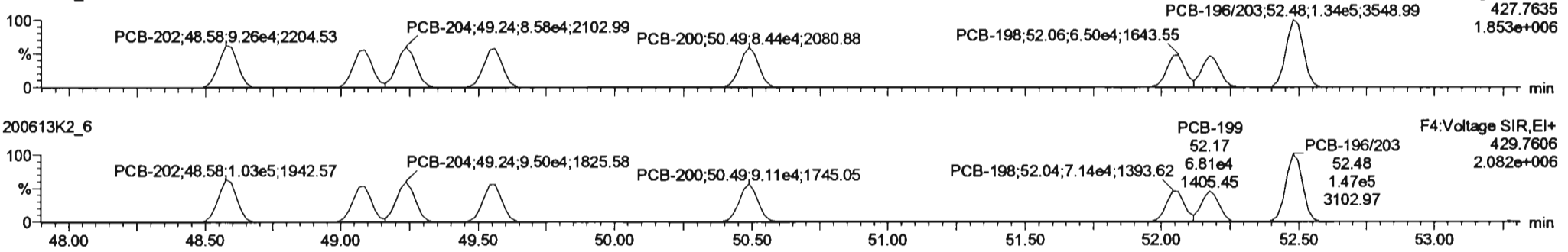
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
 Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-202**

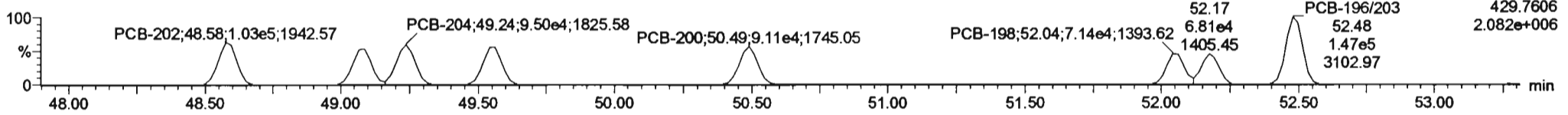
200613K2\_6

F4:Voltage SIR,EI+  
 427.7635  
 1.853e+006



200613K2\_6

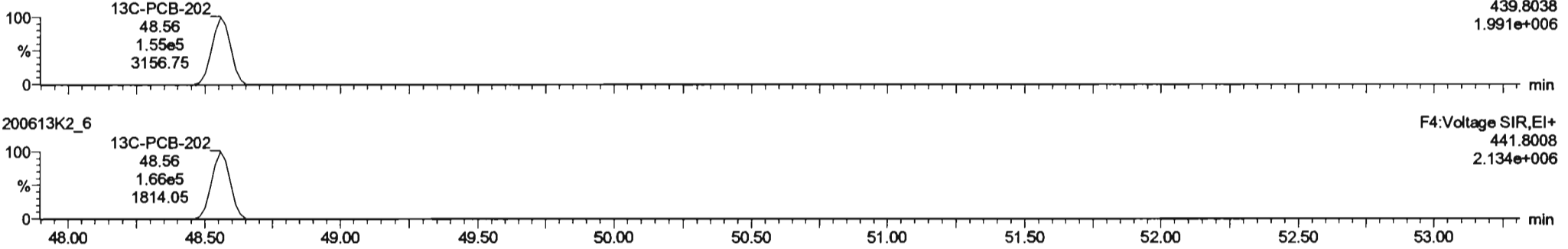
F4:Voltage SIR,EI+  
 429.7606  
 2.082e+006



**13C-PCB-202**

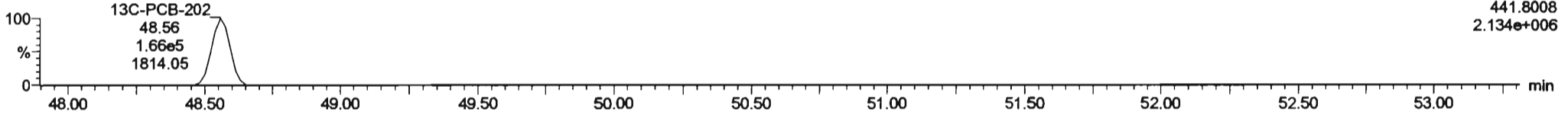
200613K2\_6

F4:Voltage SIR,EI+  
 439.8038  
 1.991e+006



200613K2\_6

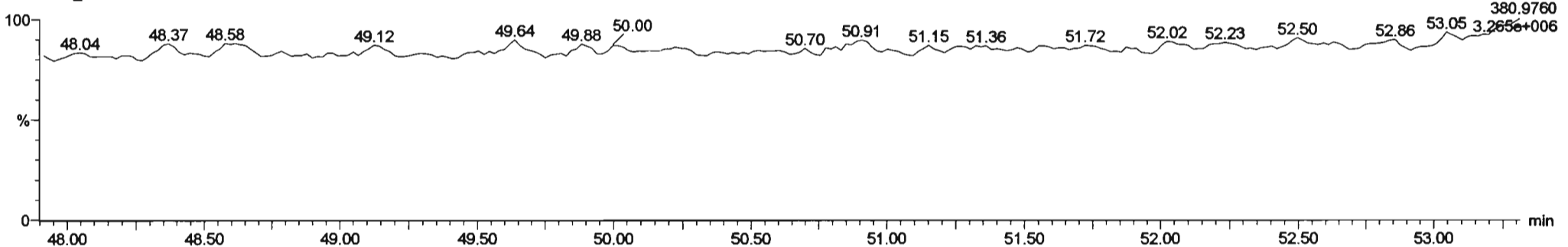
F4:Voltage SIR,EI+  
 441.8008  
 2.134e+006



**PFK4d**

200613K2\_6

F4:Voltage SIR,EI+  
 380.9760  
 3.265e+006



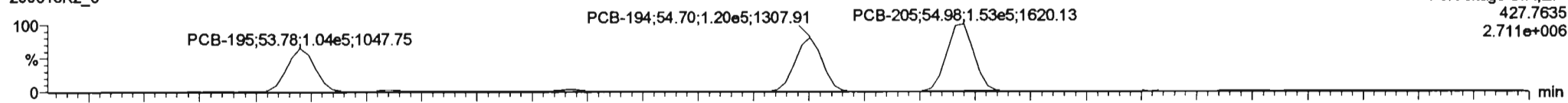
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Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

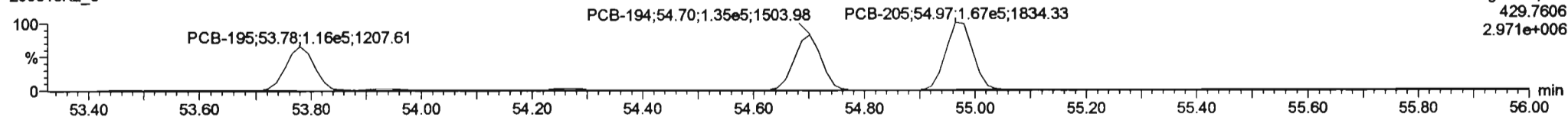
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**PCB-195**

200613K2\_6

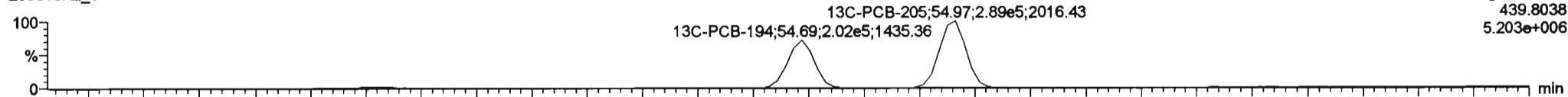


200613K2\_6

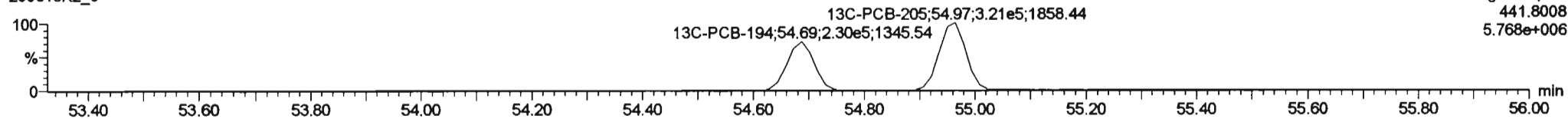


**13C-PCB-194**

200613K2\_6

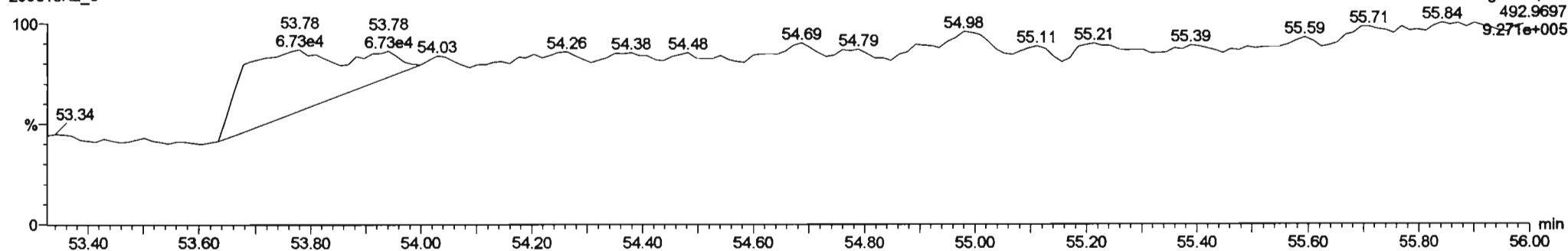


200613K2\_6



**PFK5a**

200613K2\_6

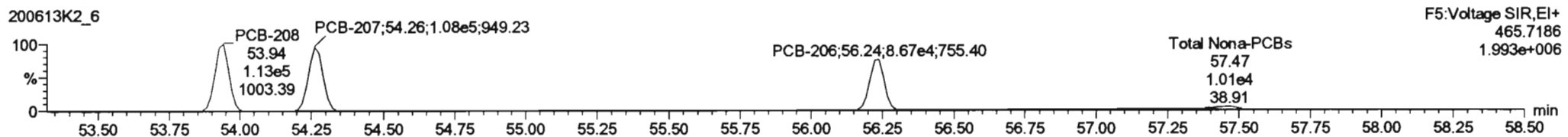
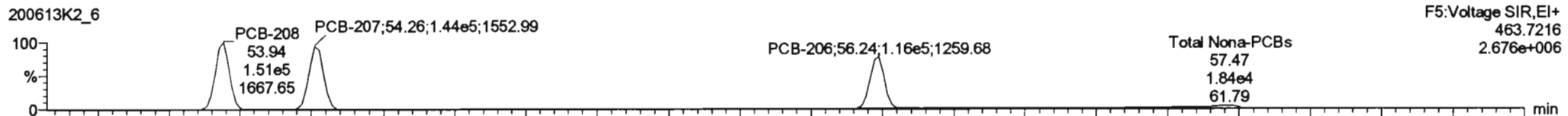


Dataset: Untitled

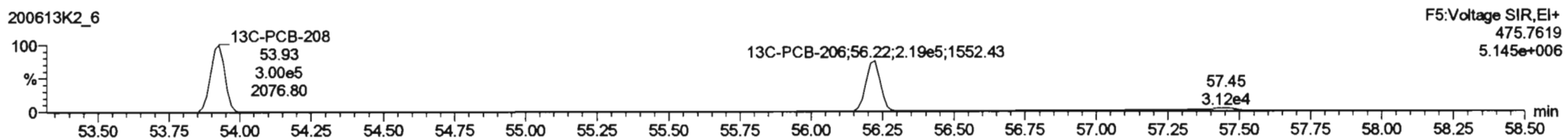
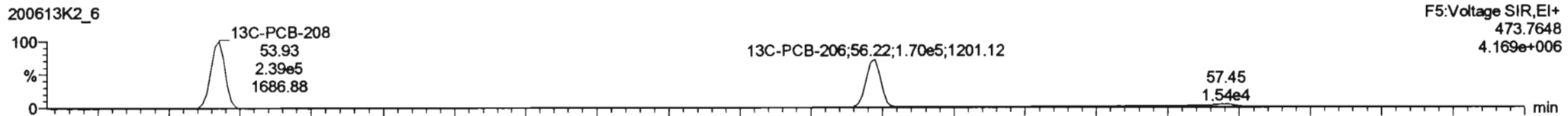
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time  
 Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

Name: 200613K2\_6, Date: 13-Jun-2020, Time: 19:52:58, ID: ST200613K2-6 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

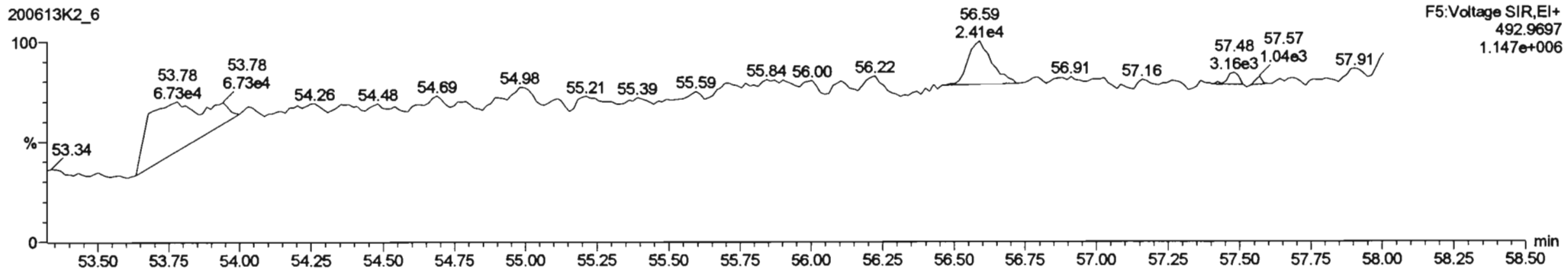
**PCB-208**



**13C-PCB-208**



**PFK5**



Dataset: Untitled

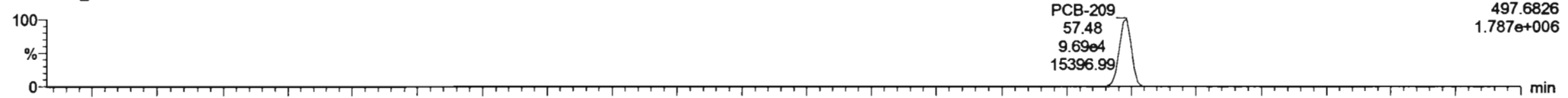
Last Altered: Sunday, June 14, 2020 13:28:02 Pacific Daylight Time

Printed: Sunday, June 14, 2020 13:29:36 Pacific Daylight Time

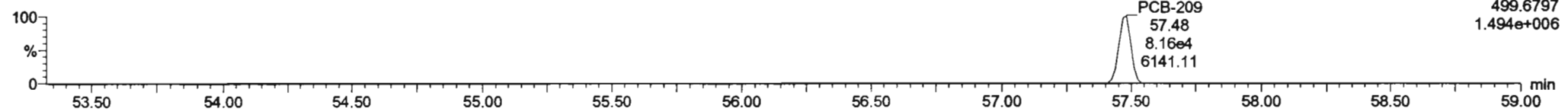
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**PCB-209**

200613K2\_6

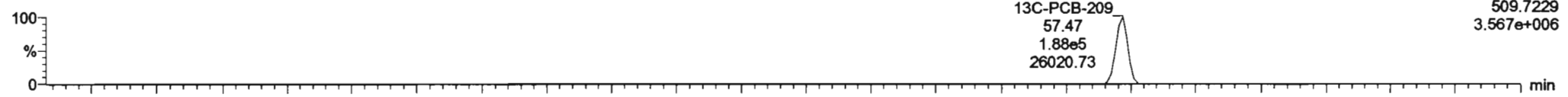


200613K2\_6

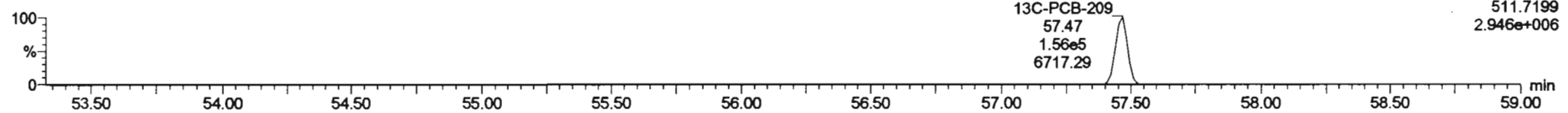


**13C-PCB-209**

200613K2\_6

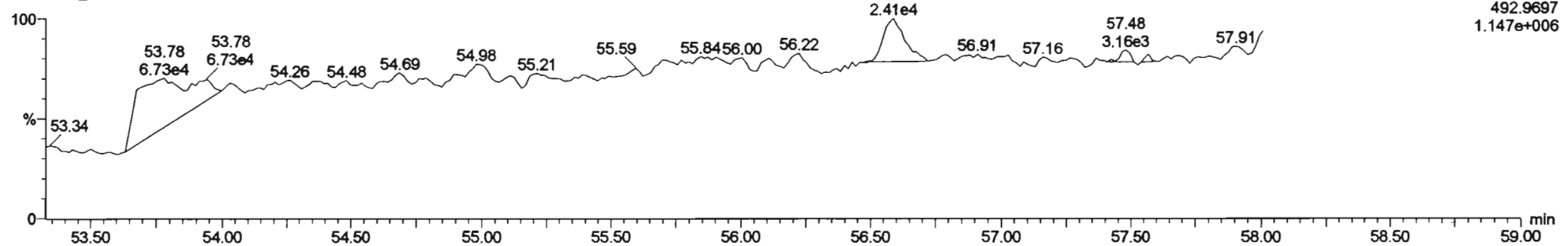


200613K2\_6



**PFK5b**

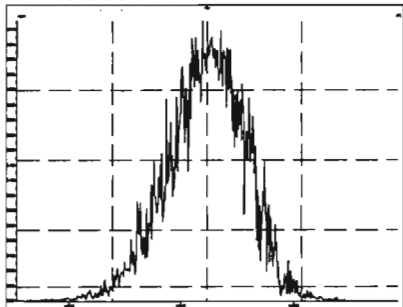
200613K2\_6



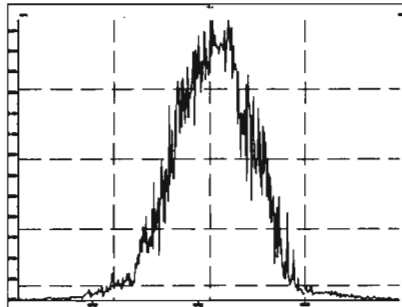


Printed: Sunday, June 14, 2020 07:05:38 Pacific Daylight Time

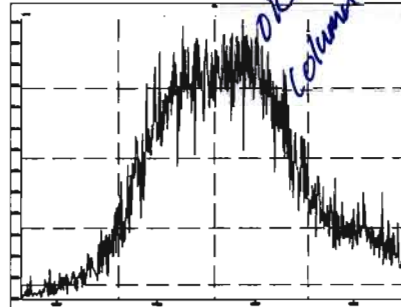
M 168.9888 R 11468



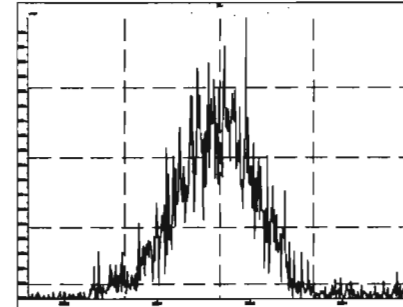
M 180.9888 R 11211



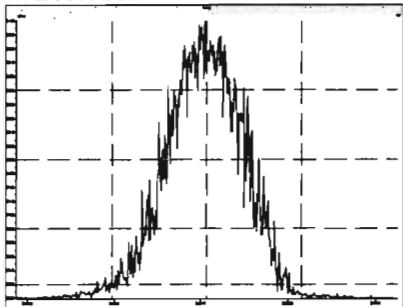
M 192.9888 R 0



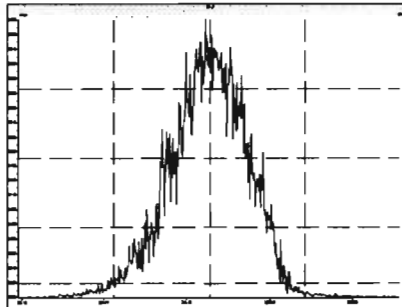
M 204.9888 R 11520



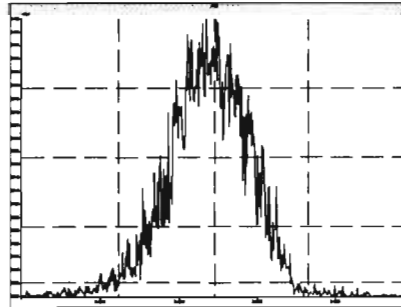
M 218.9856 R 12329



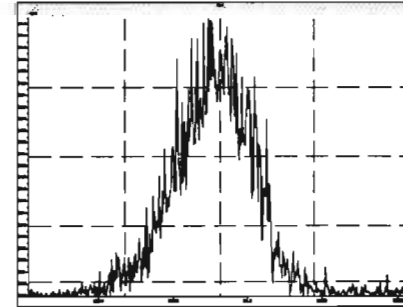
M 230.9856 R 11552



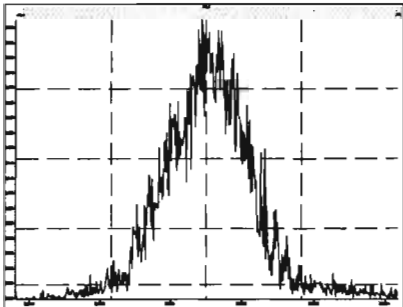
M 242.9856 R 11279



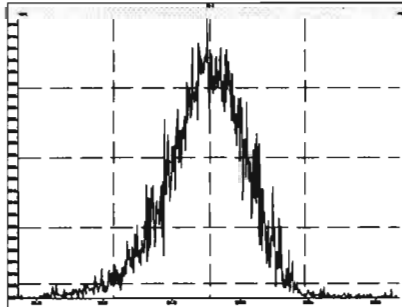
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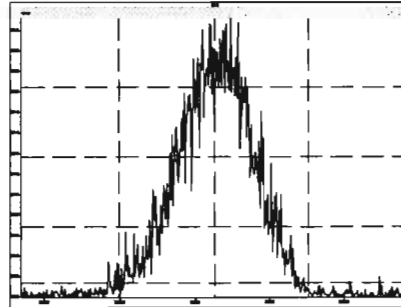
M 268.9824 R 11957



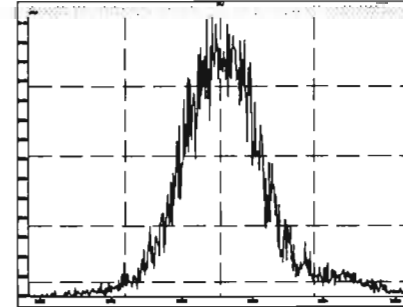
M 280.9824 R 11962



M 254.9856 R 11829



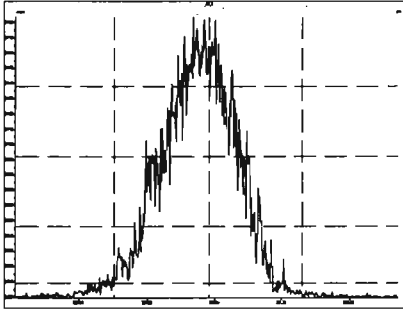
M 268.9824 R 10102



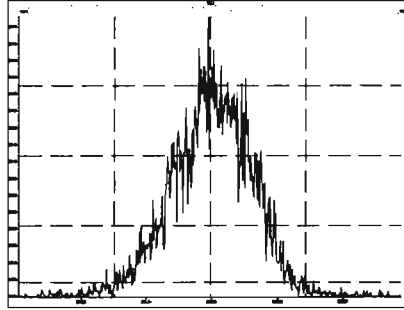
*OK  
Column bleed*

Printed: Sunday, June 14, 2020 07:05:38 Pacific Daylight Time

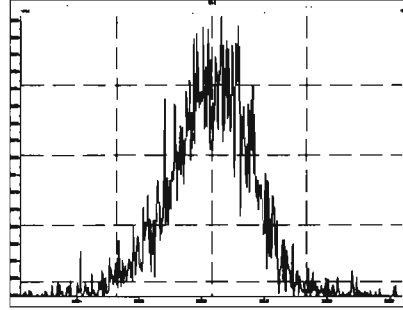
M 280.9824 R 11529



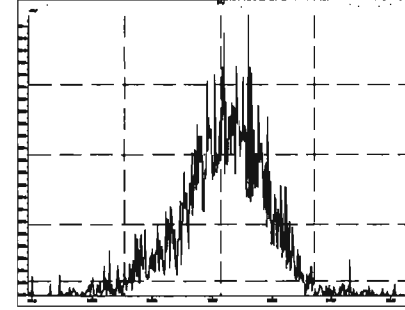
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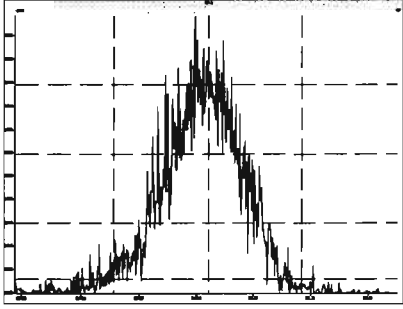
M 304.9824 R 11417



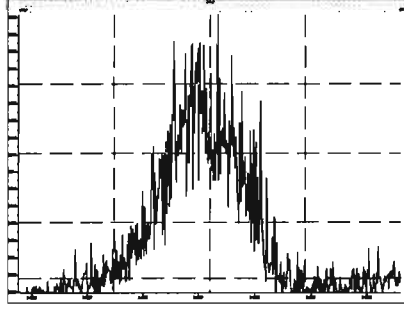
M 318.9792 R 11743



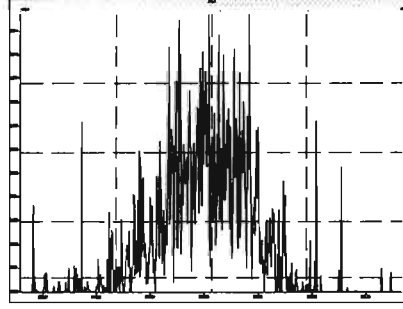
M 330.9792 R 12259



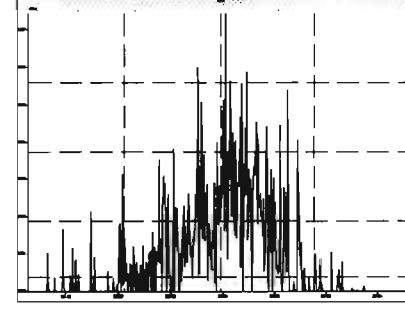
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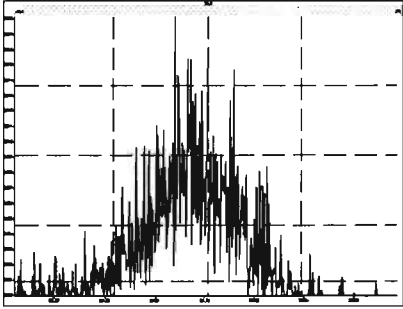
M 354.9792 R 19213



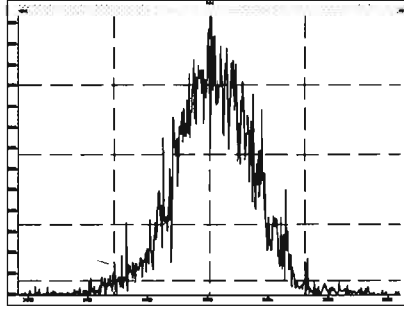
M 366.9792 R 55875



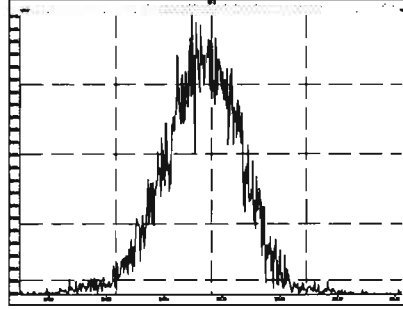
M 380.9760 R 14981



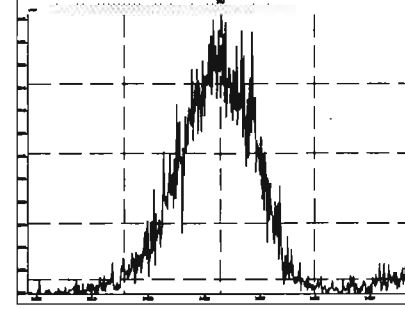
M 318.9792 R 12502



M 330.9792 R 12124

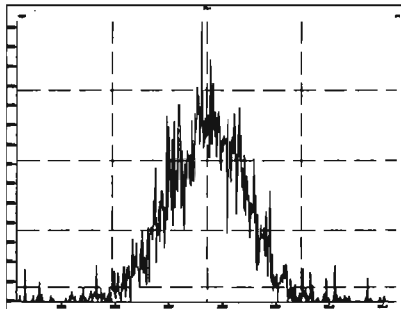


M 342.9792 R 12724

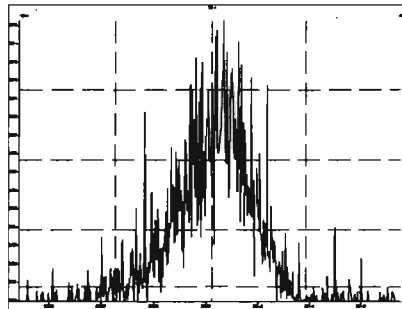


Printed: Sunday, June 14, 2020 07:05:38 Pacific Daylight Time

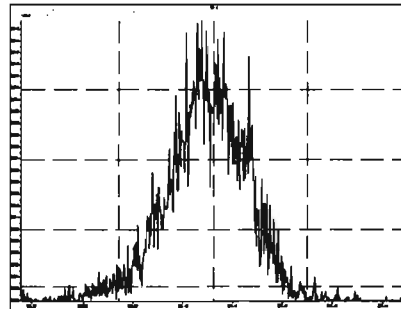
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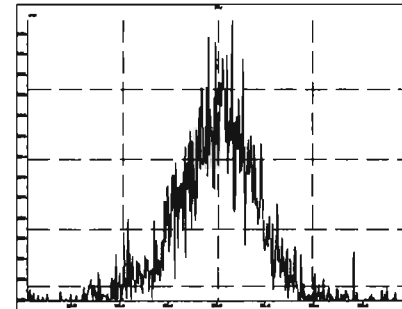
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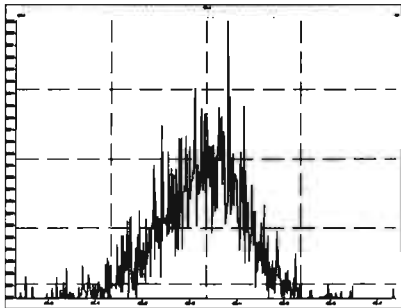
M 380.9760 R 12691



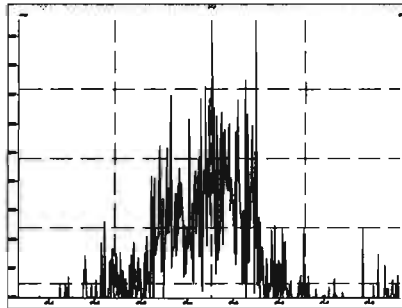
M 392.9760 R 14045



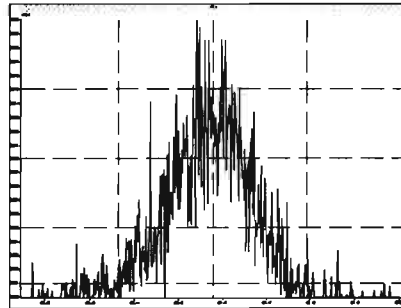
M 404.9760 R 14183



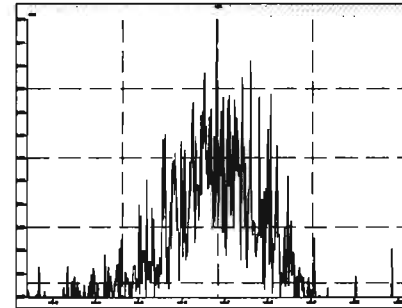
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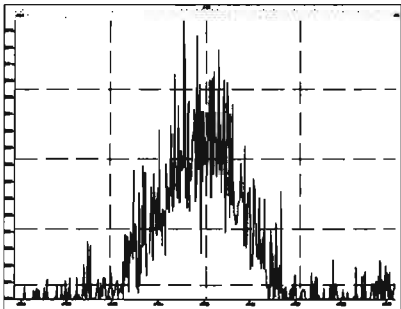
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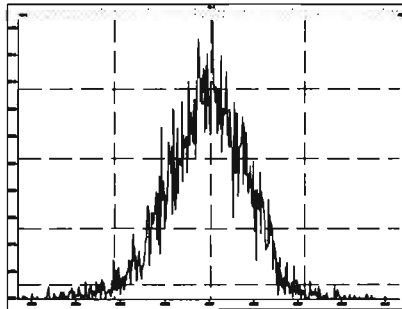
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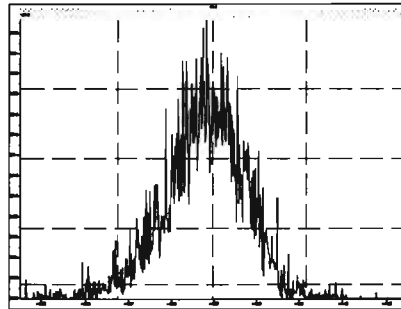
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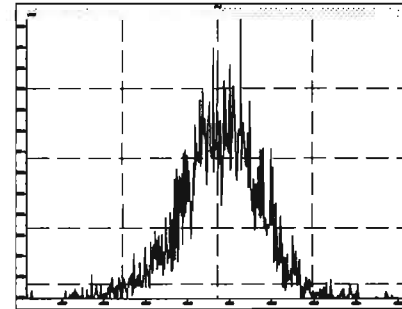
M 430.9728 R 12468



M 442.9728 R 12661

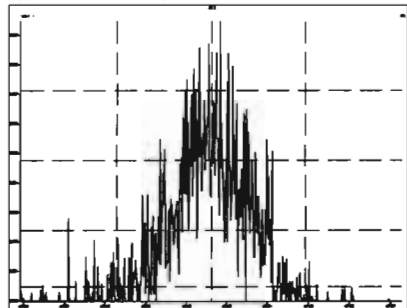


M 454.9728 R 12177

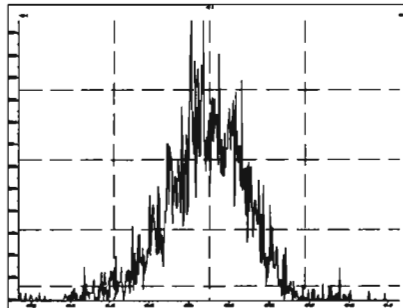


Printed: Sunday, June 14, 2020 07:05:38 Pacific Daylight Time

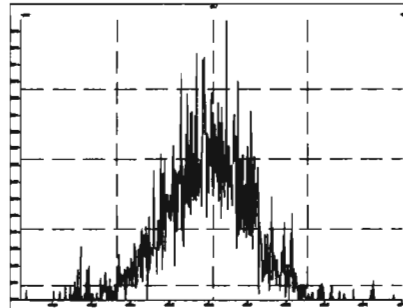
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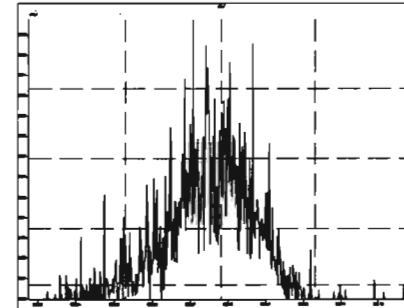
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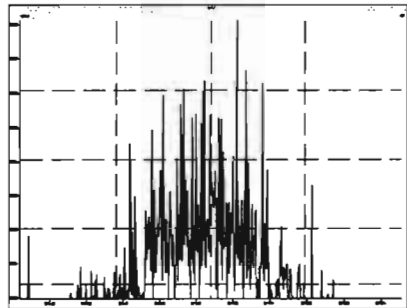
M 492.9696 R 14778



M 504.9696 R 14834



M 516.9697 R 73941



# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

**Beg. Calibration ID:** ST200615K1-1

**Reviewed By:** AT 06/17/2020  
*Initials & Date*

**End Calibration ID:** NA

	<u>Beg.</u>	<u>End</u>
<b>Ion abundance within QC limits?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Concentrations within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>TCDD/TCDF Valleys &lt;25%</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>First and last eluters present?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Retention Times within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Verification Std. named correctly?</b> (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Forms signed and dated?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Correct ICAL referenced?</b>	<u>HC</u>	<u>HC</u>
<b>Run Log:</b>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	(Y)	N
- Bottle position verified?		<u>HC</u>

**Mass resolution  $\geq$**

5k     6-8K     8K     10K  
 1614    1699    429    1613/1668/8280

**Intergrated peaks display correctly?**

**GC Break <20%**

**8280 CS1 End Standard:**

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours

**Comments:**

(A) 1 mass affected by column bleed

Dataset: U:\VG11.PRO\Results\200615K1\200615K1-1.qld

Last Altered: Monday, June 15, 2020 14:06:19 Pacific Daylight Time

Printed: Monday, June 15, 2020 15:24:12 Pacific Daylight Time

*HL 6/15/2020*

*C706/17/2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_6-13-20.mdb 14 Jun 2020 13:31:38

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 200615K1\_1, Date: 15-Jun-2020, Time: 12:56:33, ID: ST200615K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRP	wt/vol	Prod.RT	RT	Prod.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	7.91e5	3.19	NO	1.17	1.000	15.51	15.52	1.001	1.002	NO	55.70	111	0.0165	55.70
2	2 PCB-2	7.98e5	3.18	NO	1.18	1.000	17.93	17.92	0.988	0.988	NO	55.30	111	0.0168	55.30
3	3 PCB-3	7.90e5	3.17	NO	1.15	1.000	18.16	18.16	1.001	1.001	NO	56.37	113	0.0173	56.37
4	4 PCB-4/10	1.23e6	1.55	NO	1.25	1.000	19.58	19.57	1.004	1.004	NO	108.4	108	0.0646	108.4
5	5 PCB-7/9	1.48e6	1.56	NO	0.960	1.000	21.38	21.38	1.003	1.003	NO	108.9	109	0.0537	108.9
6	6 PCB-6	7.74e5	1.57	NO	1.02	1.000	22.02	22.03	1.033	1.033	NO	53.36	107	0.0504	53.35
7	7 PCB-5/8	1.52e6	1.55	NO	0.992	1.000	22.43	22.44	1.052	1.053	NO	108.0	108	0.0520	108.0
8	8 PCB-14	7.74e5	1.56	NO	1.02	1.000	23.57	23.57	0.952	0.951	NO	54.11	108	0.0533	54.11
9	9 PCB-11	8.38e5	1.57	NO	1.13	1.000	24.79	24.79	1.001	1.001	NO	52.88	106	0.0482	52.88
10	10 PCB-12/13	1.59e6	1.55	NO	1.03	1.000	25.22	25.17	1.018	1.016	NO	110.0	110	0.0528	110.0
11	11 PCB-15	7.98e5	1.56	NO	1.03	1.000	25.53	25.52	1.031	1.030	NO	54.84	110	0.0524	54.84
12	12 PCB-19	3.67e5	1.04	NO	1.11	1.000	23.76	23.75	1.001	1.001	NO	55.69	111	0.0358	55.69
13	13 PCB-30	6.02e5	1.04	NO	1.79	1.000	24.66	24.67	1.039	1.040	NO	56.39	113	0.0221	56.39
14	14 PCB-18	4.06e5	1.02	NO	0.818	1.000	25.44	25.44	0.952	0.952	NO	56.14	112	0.0336	56.14
15	15 PCB-17	3.83e5	1.02	NO	0.758	1.000	25.61	25.62	0.958	0.958	NO	57.07	114	0.0363	57.07
16	16 PCB-24/27	1.07e6	1.03	NO	1.08	1.000	26.23	26.21	0.981	0.980	NO	112.2	112	0.0254	112.2
17	17 PCB-16/32	9.28e5	1.02	NO	0.925	1.000	26.75	26.74	1.001	1.000	NO	113.3	113	0.0297	113.3
18	18 PCB-34	6.12e5	1.01	NO	0.945	1.000	27.54	27.56	0.959	0.959	NO	47.67	95.3	0.0349	47.67
19	19 PCB-23	6.70e5	1.02	NO	0.883	1.000	27.64	27.65	0.962	0.962	NO	55.87	112	0.0374	55.87
20	20 PCB-29	6.38e5	1.02	NO	0.893	1.000	27.89	27.91	0.971	0.971	NO	52.62	105	0.0370	52.62
21	21 PCB-26	6.71e5	1.02	NO	0.944	1.000	28.12	28.12	0.979	0.979	NO	52.37	105	0.0350	52.38
22	22 PCB-25	6.58e5	1.04	NO	0.950	1.000	28.28	28.29	0.984	0.984	NO	51.04	102	0.0347	51.04
23	23 PCB-31	7.77e5	1.00	NO	1.04	1.000	28.64	28.66	0.997	0.997	NO	55.18	110	0.0318	55.18
24	24 PCB-28	6.88e5	1.04	NO	1.03	1.000	28.75	28.75	1.001	1.001	NO	49.45	98.9	0.0322	49.45
25	25 PCB-20/21/33	2.00e6	1.03	NO	0.941	1.000	29.39	29.39	1.023	1.023	NO	156.8	105	0.0351	156.8
26	26 PCB-22	6.86e5	1.02	NO	0.973	1.000	29.83	29.85	1.038	1.039	NO	51.89	104	0.0339	51.89
27	27 PCB-36	7.10e5	1.03	NO	1.08	1.000	30.49	30.48	0.931	0.931	NO	55.38	111	0.0335	55.38
28	28 PCB-39	6.63e5	1.04	NO	0.988	1.000	30.97	30.97	0.946	0.946	NO	56.34	113	0.0365	56.34
29	29 PCB-38	6.78e5	1.03	NO	1.05	1.000	31.76	31.77	0.970	0.970	NO	54.07	108	0.0343	54.07
30	30 PCB-35	6.96e5	1.04	NO	1.04	1.000	32.31	32.31	0.987	0.987	NO	55.94	112	0.0345	55.94
31	31 PCB-37	6.77e5	1.02	NO	1.01	1.000	32.75	32.75	1.001	1.001	NO	56.35	113	0.0357	56.35
32	32 PCB-54	4.86e5	0.76	NO	1.08	1.000	27.60	27.62	1.001	1.001	NO	53.90	108	0.0316	53.90

Dataset: U:\VG11.PRO\Results\200615K1\200615K1-1.qld

Last Altered: Monday, June 15, 2020 14:06:19 Pacific Daylight Time

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Name: 200615K1\_1, Date: 15-Jun-2020, Time: 12:56:33, ID: ST200615K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Prod.RT	RT	Prod.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	4.07e5	0.76	NO	0.880	1.000	28.79	28.81	1.044	1.044	NO	55.43	111	0.0388	55.43
34	34 PCB-53	3.77e5	0.77	NO	0.997	1.000	29.48	29.48	0.944	0.944	NO	57.45	115	0.0442	57.45
35	35 PCB-51	4.03e5	0.77	NO	1.07	1.000	29.82	29.83	0.955	0.955	NO	57.44	115	0.0413	57.44
36	36 PCB-45	3.26e5	0.76	NO	0.858	1.000	30.27	30.28	0.969	0.970	NO	57.67	115	0.0513	57.67
37	37 PCB-46	3.04e5	0.76	NO	0.831	1.000	30.76	30.78	0.985	0.986	NO	55.66	111	0.0530	55.66
38	38 PCB-52/69	8.82e5	0.75	NO	1.17	1.000	31.26	31.26	1.001	1.001	NO	114.9	115	0.0377	114.9
39	39 PCB-73	5.16e5	0.77	NO	1.44	1.000	31.38	31.39	1.005	1.005	NO	54.33	109	0.0305	54.33
40	40 PCB-43/49	7.50e5	0.76	NO	1.02	1.000	31.55	31.56	1.010	1.011	NO	112.2	112	0.0433	112.2
41	41 PCB-47	3.67e5	0.75	NO	0.922	1.000	31.77	31.77	1.001	1.001	NO	56.76	114	0.0449	56.76
42	42 PCB-48/75	8.74e5	0.76	NO	1.12	1.000	31.88	31.90	1.004	1.005	NO	111.4	111	0.0369	111.4
43	43 PCB-65	4.83e5	0.76	NO	1.28	1.000	32.15	32.16	1.013	1.013	NO	53.75	107	0.0323	53.75
44	44 PCB-62	4.55e5	0.77	NO	1.13	1.000	32.26	32.27	1.016	1.016	NO	57.54	115	0.0367	57.54
45	45 PCB-44	3.22e5	0.75	NO	0.824	1.000	32.60	32.58	1.027	1.026	NO	55.75	112	0.0502	55.75
46	46 PCB-42/59	8.21e5	0.77	NO	1.05	1.000	32.83	32.83	1.034	1.034	NO	111.6	112	0.0394	111.6
47	47 PCB-41/64/71/72	1.86e6	0.77	NO	1.19	1.000	33.43	33.42	1.053	1.053	NO	223.9	112	0.0348	223.9
48	48 PCB-68	4.96e5	0.76	NO	1.28	1.000	33.68	33.70	1.061	1.061	NO	55.42	111	0.0324	55.42
49	49 PCB-40	2.40e5	0.79	NO	0.602	1.000	33.91	33.92	1.068	1.069	NO	56.86	114	0.0687	56.86
50	50 PCB-57	5.23e5	0.75	NO	1.16	1.000	34.29	34.30	0.969	0.970	NO	55.47	111	0.0309	55.47
51	51 PCB-67	5.03e5	0.76	NO	1.08	1.000	34.60	34.61	0.978	0.978	NO	57.19	114	0.0332	57.19
52	52 PCB-58	5.17e5	0.79	NO	1.20	1.000	34.73	34.72	0.982	0.982	NO	52.95	106	0.0299	52.95
53	53 PCB-63	4.78e5	0.75	NO	1.07	1.000	34.88	34.89	0.986	0.986	NO	55.03	110	0.0336	55.03
54	54 PCB-74	5.26e5	0.77	NO	1.19	1.000	35.18	35.19	0.994	0.995	NO	54.75	110	0.0304	54.75
55	55 PCB-61/70	9.58e5	0.77	NO	1.05	1.000	35.39	35.32	1.000	0.998	NO	112.0	112	0.0341	112.0
56	56 PCB-76/66	1.03e6	0.77	NO	1.16	1.000	35.58	35.60	1.006	1.006	NO	109.4	109	0.0309	109.4
57	57 PCB-80	5.33e5	0.76	NO	1.19	1.000	35.85	35.84	1.001	1.000	NO	53.71	107	0.0298	53.71
58	58 PCB-55	5.40e5	0.74	NO	1.17	1.000	36.16	36.16	1.010	1.009	NO	55.23	110	0.0302	55.23
59	59 PCB-56/60	9.55e5	0.77	NO	1.02	1.000	36.68	36.68	1.024	1.024	NO	112.1	112	0.0347	112.1
60	60 PCB-79	5.21e5	0.76	NO	1.14	1.000	37.78	37.78	1.055	1.054	NO	54.66	109	0.0310	54.66
61	61 PCB-78	5.08e5	0.78	NO	1.14	1.000	38.51	38.50	0.987	0.987	NO	55.53	111	0.0326	55.53
62	62 PCB-81	4.48e5	0.76	NO	1.05	1.000	39.04	39.04	1.000	1.000	NO	53.20	106	0.0354	53.20
63	63 PCB-77	4.87e5	0.79	NO	1.14	1.000	39.66	39.66	1.000	1.000	NO	53.99	108	0.0327	53.99
64	64 PCB-104	2.90e5	1.59	NO	1.12	1.000	32.44	32.46	1.001	1.001	NO	58.23	116	0.179	58.23
65	65 PCB-96	2.86e5	1.63	NO	1.15	1.000	33.76	33.76	1.041	1.041	NO	55.87	112	0.174	55.87
66	66 PCB-103	2.28e5	1.59	NO	0.936	1.000	34.32	34.32	1.059	1.059	NO	54.91	110	0.214	54.91
67	67 PCB-100	2.30e5	1.54	NO	0.954	1.000	34.67	34.67	1.069	1.069	NO	54.53	109	0.210	54.53
68	68 PCB-94	1.78e5	1.59	NO	0.949	1.000	35.17	35.15	0.985	0.985	NO	55.42	111	0.275	55.42

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Dataset: U:\VG11.PRO\Results\200615K1\200615K1-1.qld

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Name: 200615K1\_1, Date: 15-Jun-2020, Time: 12:56:33, ID: ST200615K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	7.07e5	1.59	NO	1.20	1.000	35.65	35.64	0.999	0.998	NO	173.8	116	0.216	173.8
70	70 PCB-93	1.56e5	1.62	NO	0.935	1.000	35.77	35.79	1.002	1.003	NO	49.40	98.8	0.279	49.40
71	71 PCB-88/91	3.87e5	1.58	NO	1.06	1.000	36.12	36.12	1.012	1.012	NO	107.7	108	0.245	107.7
72	72 PCB-121	3.45e5	1.60	NO	1.71	1.000	36.21	36.21	1.015	1.015	NO	59.73	119	0.152	59.73
73	73 PCB-84/92	3.90e5	1.58	NO	1.02	1.000	37.08	37.07	0.990	0.990	NO	114.9	115	0.265	114.9
74	74 PCB-89	2.09e5	1.61	NO	1.11	1.000	37.25	37.26	0.995	0.995	NO	56.76	114	0.244	56.76
75	75 PCB-90/101	4.22e5	1.63	NO	1.12	1.000	37.46	37.44	1.000	1.000	NO	112.5	112	0.240	112.5
76	76 PCB-113	2.72e5	1.57	NO	1.51	1.000	37.70	37.70	1.007	1.007	NO	53.84	108	0.178	53.84
77	77 PCB-99	2.57e5	1.59	NO	1.32	1.000	37.79	37.80	1.009	1.009	NO	58.38	117	0.204	58.38
78	78 PCB-119	2.88e5	1.60	NO	1.81	1.000	38.28	38.28	0.987	0.987	NO	52.92	106	0.165	52.92
79	79 PCB-108/112	4.86e5	1.56	NO	1.44	1.000	38.44	38.43	0.991	0.991	NO	111.7	112	0.207	111.7
80	80 PCB-83	3.08e5	1.59	NO	1.83	1.000	38.59	38.60	0.995	0.995	NO	55.93	112	0.163	55.93
81	81 PCB-97	2.06e5	1.61	NO	1.28	1.000	38.80	38.80	1.000	1.000	NO	53.38	107	0.233	53.38
82	82 PCB-86	2.10e5	1.64	NO	1.12	1.000	38.95	38.95	1.004	1.004	NO	62.49	125	0.267	62.49
83	83 PCB-87/117/125	7.77e5	1.59	NO	1.56	1.000	39.10	39.08	1.008	1.008	NO	165.6	110	0.192	165.6
84	84 PCB-111/115	6.07e5	1.58	NO	1.91	1.000	39.25	39.25	1.012	1.012	NO	105.6	106	0.156	105.6
85	85 PCB-85/116	4.91e5	1.61	NO	1.41	1.000	39.38	39.38	1.015	1.015	NO	115.7	116	0.212	115.7
86	86 PCB-120	3.37e5	1.58	NO	2.01	1.000	39.64	39.62	1.022	1.022	NO	55.90	112	0.149	55.90
87	87 PCB-110	2.82e5	1.60	NO	1.74	1.000	39.77	39.77	1.026	1.025	NO	53.85	108	0.171	53.85
88	88 PCB-82	1.73e5	1.55	NO	0.781	1.000	40.43	40.42	0.976	0.976	NO	55.89	112	0.288	55.89
89	89 PCB-124	2.86e5	1.59	NO	1.40	1.000	41.13	41.13	0.993	0.993	NO	51.84	104	0.161	51.84
90	90 PCB-107/109	6.05e5	1.59	NO	1.34	1.000	41.28	41.28	0.996	0.996	NO	114.0	114	0.168	114.0
91	91 PCB-123	2.70e5	1.57	NO	1.20	1.000	41.44	41.44	1.000	1.000	NO	57.08	114	0.188	57.08
92	92 PCB-106/118	5.79e5	1.60	NO	1.22	1.000	41.65	41.67	1.001	1.001	NO	114.7	115	0.179	114.7
93	93 PCB-114	4.41e5	1.58	NO	1.14	1.000	42.31	42.30	1.000	1.000	NO	52.76	106	0.0579	52.76
94	94 PCB-122	3.91e5	1.59	NO	0.944	1.000	42.46	42.46	1.004	1.004	NO	56.58	113	0.0699	56.58
95	95 PCB-105	4.21e5	1.58	NO	1.05	1.000	43.19	43.21	1.000	1.001	NO	53.85	108	0.0631	53.85
96	96 PCB-127	4.51e5	1.58	NO	1.06	1.000	43.55	43.56	1.000	1.000	NO	54.29	109	0.0583	54.29
97	97 PCB-126	4.78e5	1.60	NO	1.17	1.000	45.51	45.51	1.000	1.000	NO	54.41	109	0.0557	54.41
98	98 PCB-155	1.15e5	1.33	NO	1.04	1.000	36.98	36.98	1.000	1.000	NO	56.06	112	0.0206	56.06
99	99 PCB-150	1.21e5	1.36	NO	1.08	1.000	38.30	38.30	1.036	1.036	NO	56.92	114	0.0198	56.92
100	1... PCB-152	1.37e5	1.27	NO	1.19	1.000	38.78	38.78	1.049	1.049	NO	58.76	118	0.0181	58.76
101	1... PCB-145	1.32e5	1.33	NO	1.19	1.000	39.25	39.25	1.062	1.062	NO	56.51	113	0.0181	56.51
102	1... PCB-136	1.20e5	1.33	NO	1.02	1.000	39.58	39.58	1.071	1.071	NO	59.75	120	0.0211	59.75
103	1... PCB-148	8.74e4	1.34	NO	0.842	1.000	39.69	39.69	1.074	1.074	NO	52.96	106	0.0255	52.96
104	1... PCB-154	1.01e5	1.28	NO	0.919	1.000	40.20	40.20	1.088	1.088	NO	55.94	112	0.0234	55.94

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Name: 200615K1\_1, Date: 15-Jun-2020, Time: 12:56:33, ID: ST200615K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R	RRT	Check RRT	Conc	%Rec	DL	EMPC
105	1... PCB-151	8.73e4	1.30	NO	0.787	1.000	40.86	40.85	1.105	1.105	NO	56.65	113	0.0273	56.65
106	1... PCB-135	9.32e4	1.31	NO	0.922	1.000	41.07	41.07	1.111	1.111	NO	51.55	103	0.0233	51.55
107	1... PCB-144	9.32e4	1.29	NO	0.789	1.000	41.18	41.18	1.114	1.114	NO	60.29	121	0.0272	60.29
108	1... PCB-147	9.08e4	1.35	NO	0.834	1.000	41.31	41.33	1.118	1.118	NO	55.54	111	0.0258	55.54
109	1... PCB-139/149	2.06e5	1.29	NO	0.948	1.000	41.60	41.59	1.125	1.125	NO	110.8	111	0.0227	110.8
110	1... PCB-140	8.81e4	1.35	NO	0.794	1.000	41.78	41.80	1.130	1.131	NO	56.64	113	0.0271	56.64
111	1... PCB-134/143	4.97e5	1.25	NO	0.759	1.000	42.26	42.25	0.975	0.975	NO	112.5	112	0.0658	112.5
112	1... PCB-131/133	5.23e5	1.26	NO	0.821	1.000	42.56	42.55	0.982	0.982	NO	109.5	109	0.0608	109.5
113	1... PCB-142	2.38e5	1.28	NO	0.754	1.000	42.71	42.70	0.985	0.985	NO	54.29	109	0.0662	54.29
114	1... PCB-146/165	6.34e5	1.25	NO	1.02	1.000	42.95	42.95	0.991	0.991	NO	107.1	107	0.0491	107.1
115	1... PCB-132/161	6.43e5	1.24	NO	1.02	1.000	43.18	43.18	0.996	0.996	NO	107.9	108	0.0487	107.9
116	1... PCB-153	3.23e5	1.27	NO	1.07	1.000	43.36	43.37	1.000	1.000	NO	51.78	104	0.0466	51.78
117	1... PCB-168	3.37e5	1.25	NO	1.08	1.000	43.59	43.59	1.006	1.006	NO	53.77	108	0.0463	53.77
118	1... PCB-141	2.64e5	1.24	NO	1.03	1.000	44.12	44.14	1.000	1.001	NO	54.08	108	0.0612	54.08
119	1... PCB-137	2.70e5	1.22	NO	1.11	1.000	44.52	44.52	1.010	1.010	NO	51.15	102	0.0566	51.15
120	1... PCB-130	2.40e5	1.25	NO	0.885	1.000	44.63	44.63	1.012	1.012	NO	57.16	114	0.0710	57.16
121	1... PCB-138/163/164	1.02e6	1.24	NO	1.28	1.000	45.01	45.03	1.001	1.001	NO	161.3	108	0.0464	161.3
122	1... PCB-158/160	6.95e5	1.25	NO	1.24	1.000	45.26	45.28	1.006	1.007	NO	113.7	114	0.0480	113.7
123	1... PCB-129	2.33e5	1.32	NO	0.867	1.000	45.52	45.53	1.012	1.012	NO	54.55	109	0.0687	54.55
124	1... PCB-166	3.73e5	1.26	NO	1.14	1.000	45.99	45.98	0.993	0.993	NO	54.73	109	0.0437	54.73
125	1... PCB-159	3.94e5	1.24	NO	1.22	1.000	46.32	46.32	1.000	1.000	NO	54.21	108	0.0411	54.21
126	1... PCB-128/162	6.43e5	1.24	NO	0.907	1.000	46.61	46.62	1.007	1.007	NO	118.7	119	0.0551	118.7
127	1... PCB-167	3.55e5	1.24	NO	1.11	1.000	47.02	47.02	1.000	1.000	NO	53.83	108	0.0455	53.83
128	1... PCB-156	3.58e5	1.26	NO	1.13	1.000	48.37	48.37	1.000	1.000	NO	53.11	106	0.0458	53.11
129	1... PCB-157	3.27e5	1.25	NO	1.04	1.000	48.65	48.63	1.001	1.000	NO	53.64	107	0.0489	53.64
130	1... PCB-169	3.50e5	1.26	NO	1.16	1.000	50.91	50.91	1.000	1.000	NO	52.40	105	0.0444	52.40
131	1... PCB-188	2.77e5	1.03	NO	1.29	1.000	43.01	42.99	1.001	1.000	NO	53.80	108	0.0692	53.80
132	1... PCB-184	2.74e5	1.05	NO	1.23	1.000	43.44	43.46	1.011	1.012	NO	55.71	111	0.0725	55.70
133	1... PCB-179	2.78e5	1.03	NO	1.30	1.000	44.26	44.26	1.030	1.030	NO	53.72	107	0.0688	53.72
134	1... PCB-176	2.79e5	1.02	NO	1.31	1.000	44.72	44.73	1.041	1.041	NO	53.54	107	0.0682	53.54
135	1... PCB-186	3.08e5	1.04	NO	1.33	1.000	45.35	45.35	1.055	1.056	NO	58.09	116	0.0672	58.09
136	1... PCB-178	2.02e5	1.03	NO	0.943	1.000	45.87	45.87	1.067	1.067	NO	53.75	108	0.0946	53.75
137	1... PCB-175	2.08e5	1.04	NO	0.956	1.000	46.22	46.23	1.076	1.076	NO	54.46	109	0.0933	54.46
138	1... PCB-182/187	4.48e5	1.03	NO	1.07	1.000	46.40	46.42	1.080	1.080	NO	105.3	105	0.0837	105.3
139	1... PCB-183	2.26e5	1.05	NO	1.02	1.000	46.74	46.74	1.088	1.088	NO	55.47	111	0.0873	55.47
140	1... PCB-185	2.05e5	1.05	NO	1.41	1.000	47.42	47.42	0.955	0.955	NO	54.85	110	0.100	54.85

Dataset: U:\VG11.PRO\Results\200615K1\200615K1-1.qld

Last Altered: Monday, June 15, 2020 14:06:19 Pacific Daylight Time  
Printed: Monday, June 15, 2020 15:24:12 Pacific Daylight Time

Name: 200615K1\_1, Date: 15-Jun-2020, Time: 12:56:33, ID: ST200615K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	1.84e5	1.03	NO	1.35	1.000	47.81	47.80	0.962	0.962	NO	51.03	102	0.104	51.03
142	1... PCB-181	2.26e5	1.05	NO	1.47	1.000	47.90	47.89	0.964	0.964	NO	57.68	115	0.0956	57.68
143	1... PCB-177	1.86e5	1.03	NO	1.28	1.000	48.06	48.06	0.968	0.968	NO	54.70	109	0.110	54.70
144	1... PCB-171	1.86e5	1.07	NO	1.32	1.000	48.36	48.37	0.974	0.974	NO	53.18	106	0.107	53.18
145	1... PCB-173	1.77e5	1.03	NO	1.19	1.000	48.81	48.80	0.983	0.983	NO	56.04	112	0.119	56.04
146	1... PCB-172	2.02e5	1.07	NO	1.38	1.000	49.28	49.28	0.992	0.992	NO	55.32	111	0.103	55.32
147	1... PCB-192	2.66e5	1.07	NO	1.83	1.000	49.47	49.47	0.996	0.996	NO	54.71	109	0.0772	54.71
148	1... PCB-180	2.06e5	1.03	NO	1.41	1.000	49.69	49.69	1.000	1.000	NO	54.89	110	0.0999	54.89
149	1... PCB-193	2.40e5	1.06	NO	1.68	1.000	49.90	49.90	1.005	1.005	NO	53.76	108	0.0841	53.76
150	1... PCB-191	2.46e5	1.04	NO	1.71	1.000	50.17	50.17	1.010	1.010	NO	54.02	108	0.0825	54.02
151	1... PCB-170	1.73e5	1.03	NO	1.40	1.000	51.36	51.36	1.000	1.000	NO	53.44	107	0.114	53.44
152	1... PCB-190	2.36e5	1.06	NO	1.85	1.000	51.55	51.55	1.004	1.004	NO	55.22	110	0.0859	55.22
153	1... PCB-189	2.46e5	1.04	NO	1.45	1.000	53.09	53.08	1.000	1.000	NO	54.92	110	0.0736	54.92
154	1... PCB-202	1.55e5	0.90	NO	1.17	1.000	48.60	48.58	1.001	1.000	NO	55.61	111	0.0504	55.61
155	1... PCB-201	1.40e5	0.89	NO	1.05	1.000	49.09	49.09	1.011	1.011	NO	55.51	111	0.0560	55.51
156	1... PCB-204	1.51e5	0.94	NO	1.14	1.000	49.23	49.24	1.014	1.014	NO	55.39	111	0.0516	55.39
157	1... PCB-197	1.53e5	0.93	NO	1.13	1.000	49.55	49.56	1.020	1.021	NO	56.42	113	0.0520	56.42
158	1... PCB-200	1.45e5	0.91	NO	1.07	1.000	50.48	50.49	1.040	1.040	NO	56.66	113	0.0551	56.66
159	1... PCB-198	1.11e5	0.91	NO	0.794	1.000	52.06	52.06	1.072	1.072	NO	58.24	116	0.0742	58.24
160	1... PCB-199	1.05e5	0.93	NO	0.809	1.000	52.16	52.17	1.074	1.074	NO	54.18	108	0.0728	54.18
161	1... PCB-196/203	2.28e5	0.90	NO	0.838	1.000	52.48	52.48	1.081	1.081	NO	113.7	114	0.0703	113.7
162	1... PCB-195	2.08e5	0.89	NO	1.04	1.000	53.78	53.78	0.984	0.983	NO	52.58	105	0.0745	52.58
163	1... PCB-194	2.20e5	0.88	NO	1.12	1.000	54.70	54.70	1.000	1.000	NO	52.13	104	0.0697	52.13
164	1... PCB-205	2.93e5	0.90	NO	1.29	1.000	54.97	54.98	1.005	1.005	NO	60.12	120	0.0604	60.13
165	1... PCB-208	2.22e5	1.33	NO	0.933	1.000	53.94	53.94	1.000	1.000	NO	53.11	106	0.0892	53.11
166	1... PCB-207	2.22e5	1.34	NO	0.916	1.000	54.26	54.26	1.006	1.006	NO	54.04	108	0.0908	54.04
167	1... PCB-206	1.59e5	1.33	NO	1.01	1.000	56.24	56.22	1.000	1.000	NO	52.07	104	0.117	52.07
168	1... PCB-209	1.43e5	1.20	NO	0.986	1.000	57.47	57.47	1.000	1.000	NO	52.82	106	0.00658	52.82
169	1... 13C-PCB-1	1.22e6	3.22	NO	0.893	1.000	15.50	15.50	0.608	0.608	NO	92.6	92.6	0.119	
170	1... 13C-PCB-3	1.22e6	3.29	NO	0.911	1.000	18.15	18.14	0.712	0.712	NO	91.18	91.2	0.117	
171	1... 13C-PCB-4	9.09e5	1.59	NO	0.600	1.000	19.49	19.50	0.765	0.765	NO	103.1	103	0.0545	
172	1... 13C-PCB-9	1.42e6	1.59	NO	0.970	1.000	21.32	21.32	0.836	0.836	NO	99.49	99.5	0.0337	
173	1... 13C-PCB-11	1.41e6	1.57	NO	0.962	1.000	24.76	24.77	0.971	0.972	NO	99.54	99.5	0.0340	
174	1... 13C-PCB-19	5.95e5	1.07	NO	0.499	1.000	23.73	23.73	0.931	0.931	NO	81.21	81.2	0.420	
175	1... 13C-PCB-32	8.85e5	1.04	NO	0.744	1.000	26.71	26.73	1.048	1.049	NO	80.98	81.0	0.281	
176	1... 13C-PCB-28	1.36e6	1.03	NO	1.06	1.000	28.75	28.73	1.004	1.003	NO	110.4	110	0.357	

Handwritten notes in blue ink: "95-125/1" at the top and "90-145/1" with an arrow pointing to the %Rec column for row 168.

Dataset: U:\VG11.PRO\Results\200615K1\200615K1-1.qld

Last Altered: Monday, June 15, 2020 14:06:19 Pacific Daylight Time  
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Name: 200615K1\_1, Date: 15-Jun-2020, Time: 12:56:33, ID: ST200615K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	u/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	1.19e6	1.02	NO	0.989	1.000	32.73	32.73	1.143	1.143	NO	104.2	104	0.384	
178	1... 13C-PCB-54	8.35e5	0.79	NO	0.999	1.000	27.60	27.58	0.753	0.752	NO	102.4	102	0.107	
179	1... 13C-PCB-52	6.58e5	0.79	NO	0.804	1.000	31.24	31.23	0.852	0.852	NO	100.2	100	0.133	
180	1... 13C-PCB-47	7.01e5	0.79	NO	0.857	1.000	31.76	31.75	0.866	0.866	NO	100.2	100	0.125	
181	1... 13C-PCB-70	8.11e5	0.79	NO	0.996	1.000	35.39	35.38	0.965	0.965	NO	99.81	99.8	0.108	
182	1... 13C-PCB-80	8.36e5	0.80	NO	1.03	1.000	35.82	35.82	0.977	0.977	NO	99.69	99.7	0.104	
183	1... 13C-PCB-81	8.06e5	0.79	NO	0.988	1.000	39.03	39.02	1.064	1.064	NO	99.92	99.9	0.108	
184	1... 13C-PCB-77	7.93e5	0.81	NO	0.969	1.000	39.64	39.64	1.081	1.081	NO	100.3	100	0.111	
185	1... 13C-PCB-104	4.43e5	1.67	NO	1.02	1.000	32.44	32.42	0.827	0.826	NO	102.7	103	0.0632	
186	1... 13C-PCB-95	3.38e5	1.61	NO	0.805	1.000	35.69	35.69	0.910	0.910	NO	98.80	98.8	0.0798	
187	1... 13C-PCB-101	3.34e5	1.64	NO	0.793	1.000	37.44	37.44	0.954	0.955	NO	99.22	99.2	0.0811	
188	1... 13C-PCB-97	3.01e5	1.70	NO	0.696	1.000	38.78	38.78	0.989	0.989	NO	101.8	102	0.0923	
189	1... 13C-PCB-123	3.95e5	1.64	NO	0.933	1.000	41.42	41.42	1.056	1.056	NO	99.84	99.8	0.0689	
190	1... 13C-PCB-118	4.14e5	1.66	NO	0.986	1.000	41.61	41.61	1.061	1.061	NO	98.88	98.9	0.0652	
191	1... 13C-PCB-114	7.32e5	1.60	NO	1.55	1.000	42.29	42.28	0.908	0.908	NO	103.2	103	0.0647	
192	1... 13C-PCB-105	7.45e5	1.56	NO	1.57	1.000	43.17	43.18	0.927	0.927	NO	103.3	103	0.0637	
193	1... 13C-PCB-127	7.85e5	1.58	NO	1.62	1.000	43.53	43.54	0.934	0.934	NO	105.3	105	0.0616	
194	1... 13C-PCB-126	7.50e5	1.62	NO	1.57	1.000	45.49	45.49	0.976	0.976	NO	104.3	104	0.0639	
195	1... 13C-PCB-155	1.96e5	1.38	NO	0.615	1.000	36.96	36.96	0.942	0.942	NO	75.14	75.1	0.0376	
196	1... 13C-PCB-153	5.82e5	1.26	NO	1.36	1.000	43.34	43.35	0.930	0.930	NO	92.96	93.0	0.0756	
197	1... 13C-PCB-141	4.75e5	1.33	NO	1.13	1.000	44.11	44.10	0.947	0.947	NO	91.76	91.8	0.0914	
198	1... 13C-PCB-138	4.93e5	1.29	NO	1.18	1.000	44.97	44.98	0.965	0.965	NO	90.81	90.8	0.0871	
199	1... 13C-PCB-159	5.97e5	1.28	NO	1.44	1.000	46.30	46.30	0.994	0.994	NO	90.42	90.4	0.0716	
200	2... 13C-PCB-167	5.95e5	1.27	NO	1.44	1.000	47.01	47.00	1.009	1.009	NO	90.01	90.0	0.0716	
201	2... 13C-PCB-156	5.98e5	1.28	NO	1.40	1.000	48.32	48.35	1.037	1.038	NO	93.39	93.4	0.0738	
202	2... 13C-PCB-157	5.88e5	1.27	NO	1.40	1.000	48.61	48.61	1.043	1.043	NO	91.76	91.8	0.0738	
203	2... 13C-PCB-169	5.77e5	1.27	NO	1.33	1.000	50.89	50.89	1.092	1.092	NO	94.49	94.5	0.0775	
204	2... 13C-PCB-188	3.99e5	0.46	NO	1.41	1.000	42.96	42.97	0.926	0.926	NO	100.7	101	0.0815	
205	2... 13C-PCB-180	2.66e5	0.47	NO	0.929	1.000	49.65	49.67	1.070	1.071	NO	102.0	102	0.124	
206	2... 13C-PCB-170	2.31e5	0.46	NO	0.794	1.000	51.32	51.34	1.106	1.107	NO	103.6	104	0.145	
207	2... 13C-PCB-189	3.08e5	0.46	NO	1.04	1.000	53.07	53.06	1.144	1.144	NO	105.0	105	0.110	
208	2... 13C-PCB-202	2.39e5	0.93	NO	1.04	1.000	48.55	48.56	1.046	1.046	NO	82.24	82.2	0.0743	
209	2... 13C-PCB-194	3.78e5	0.90	NO	0.768	1.000	54.71	54.69	0.995	0.995	NO	90.91	90.9	0.107	
210	2... 13C-PCB-208	4.49e5	0.77	NO	0.991	1.000	53.93	53.93	0.981	0.981	NO	83.67	83.7	0.108	
211	2... 13C-PCB-206	3.04e5	0.79	NO	0.552	1.000	56.22	56.22	1.023	1.023	NO	101.6	102	0.194	
212	2... 13C-PCB-209	2.75e5	1.20	NO	0.396	1.000	57.48	57.47	1.046	1.046	NO	128.2	128	0.0246	

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Dataset: U:\VG11.PRO\Results\200615K1\200615K1-1.qld

Last Altered: Monday, June 15, 2020 14:06:19 Pacific Daylight Time  
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Name: 200615K1\_1, Date: 15-Jun-2020, Time: 12:56:33, ID: ST200615K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	R/R	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	1.47e6	1.59	NO	1.00	1.000	25.51	25.50	1.000	0.000	NO	100.0	100	0.0327	
214	2... 13C-PCB-31	1.16e6	1.02	NO	1.00	1.000	28.64	28.64	1.000	0.000	NO	100.0	100	0.380	
215	2... 13C-PCB-60	8.16e5	0.81	NO	1.00	1.000	36.66	36.66	1.000	0.000	NO	100.0	100	0.107	
216	2... 13C-PCB-111	4.24e5	1.65	NO	1.00	1.000	39.23	39.23	1.000	0.000	NO	100.0	100	0.0642	
217	2... 13C-PCB-128	4.59e5	1.31	NO	1.00	1.000	46.59	46.59	1.000	0.000	NO	100.0	100	0.103	
218	2... 13C-PCB-182	2.81e5	0.46	NO	1.00	1.000	46.40	46.40	0.000	0.000	NO	100.0	100	0.115	
219	2... 13C-PCB-205	5.41e5	0.89	NO	1.00	1.000	54.97	54.97	1.000	0.000	NO	100.0	100	0.0824	
220	2... 13C-PCB-79	8.77e5	0.78	NO	1.07	1.000	37.76	37.76	1.030	1.030	NO	100.5	101	0.100	75/125/
221	2... 13C-PCB-178	2.72e5	0.44	NO	0.766	1.000	45.85	45.85	0.988	0.988	NO	77.27	77.3	0.0876	
222	2... 13C-PCB-79	8.77e5	0.78	NO	1.08	1.000	37.76	37.76	0.968	0.968	NO	100.6	101	0.104	
223	2... 13C-PCB-178	2.72e5	0.44	NO	1.05	1.000	45.85	45.85	0.923	0.923	NO	97.18	97.2	0.115	

Dataset: Untitled

Last Altered: Tuesday, June 16, 2020 08:15:33 Pacific Daylight Time  
Printed: Tuesday, June 16, 2020 08:15:48 Pacific Daylight Time

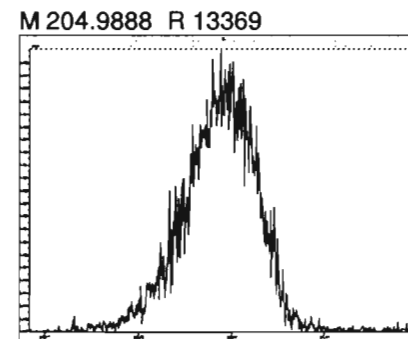
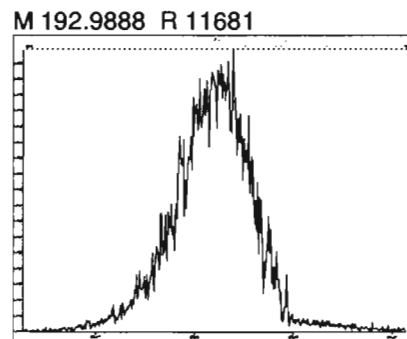
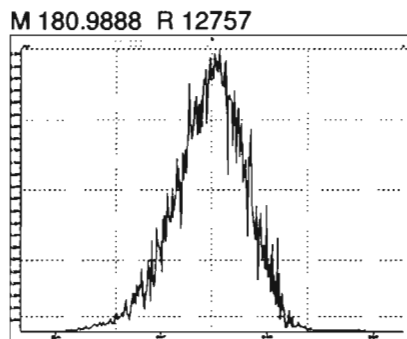
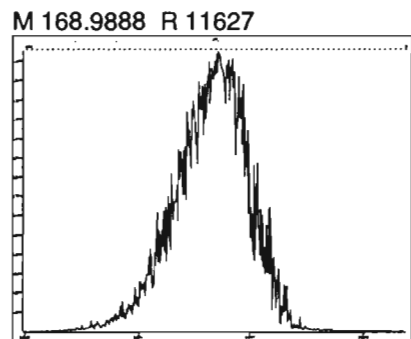
Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_6-13-20.mdb 14 Jun 2020 13:31:38  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Compound name: PCB-1

	Name	ID	Acq.Date	Acq.Time
1	200615K1_1	ST200615K1-1 PCB 209 CS3 19G2609	15-Jun-20	12:56:33
2	200615K1_2	SOLVENT BLANK	15-Jun-20	13:57:41
3	200615K1_3	2001124-05 OWS-SCHU-T200519132935 1	15-Jun-20	14:56:50
4	200615K1_4	2001124-06 OWS-THIS-T200519132845 1	15-Jun-20	15:58:42
5	200615K1_5	2001124-07 OWS-WAFO-T200513115827 1	15-Jun-20	16:59:00
6	200615K1_6	2001124-08 OWS-WAFO-T200519132518 1	15-Jun-20	18:00:27
7	200615K1_7	B0F0059-DUP1 Duplicate 7.56	15-Jun-20	19:00:43
8	200615K1_8	2000962-01RE1 PDI-147SC-A-00-01-200425 ...	15-Jun-20	20:01:33
9	200615K1_9	2000962-02RE1 PDI-149SC-A-00-01-200425 ...	15-Jun-20	21:00:49
10	200615K1_10	2000967-01RE1 PDI-148SC-A-00-01-200427 ...	15-Jun-20	22:03:06
11	200615K1_11	2000968-01RE1 PDI-150SC-A-00-01-200425 ...	15-Jun-20	23:03:54

File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

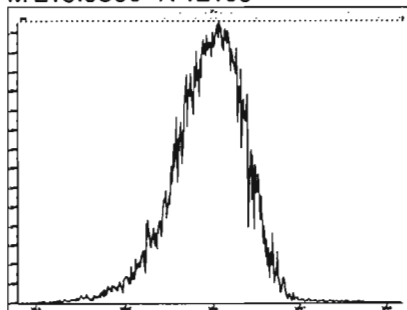
Printed: Monday, June 15, 2020 12:51:47 Pacific Daylight Time



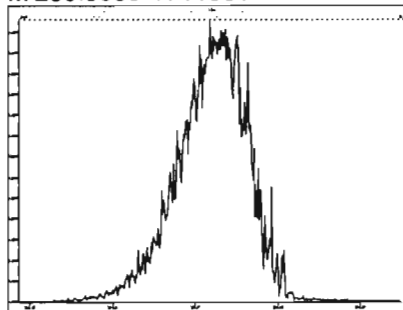
File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, June 15, 2020 12:52:49 Pacific Daylight Time

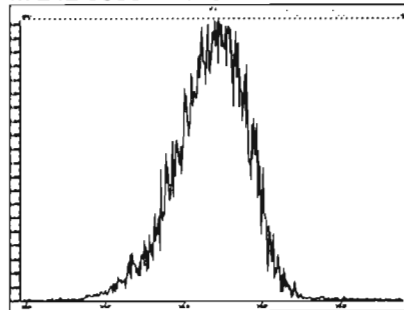
M 218.9856 R 12193



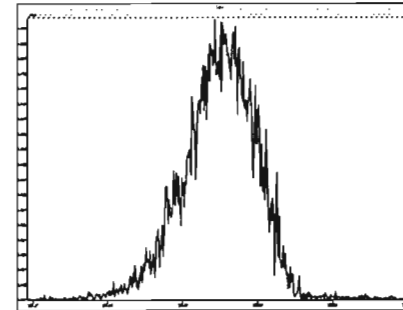
M 230.9856 R 11961



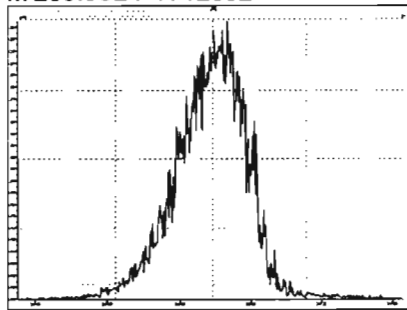
M 242.9856 R 12316



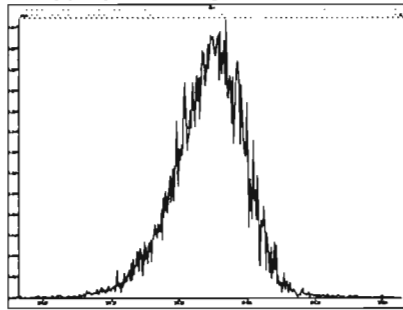
M 254.9856 R 12952



M 268.9824 R 12692



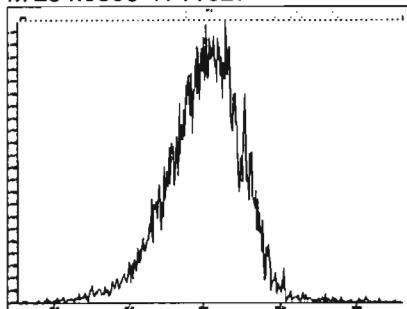
M 280.9824 R 12375



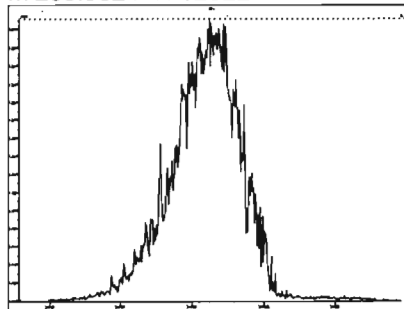
File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, June 15, 2020 12:53:38 Pacific Daylight Time

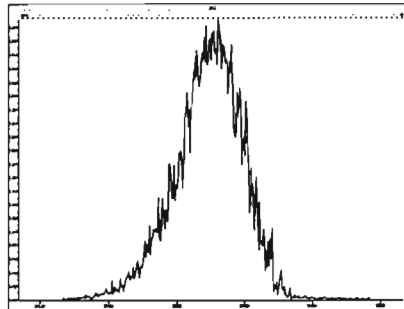
M 254.9856 R 11627



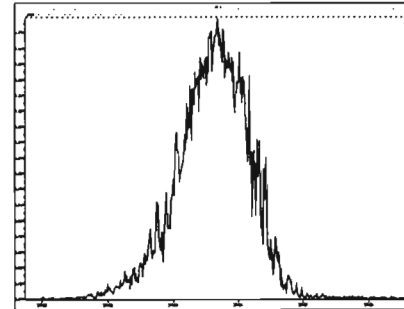
M 268.9824 R 12822



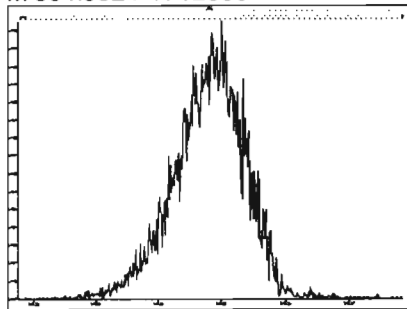
M 280.9824 R 12690



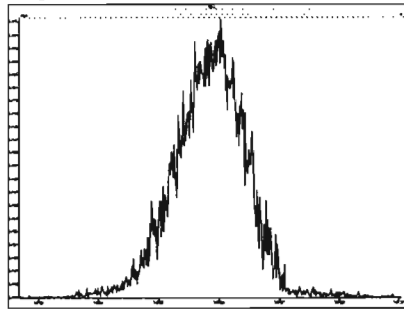
M 292.9824 R 12624



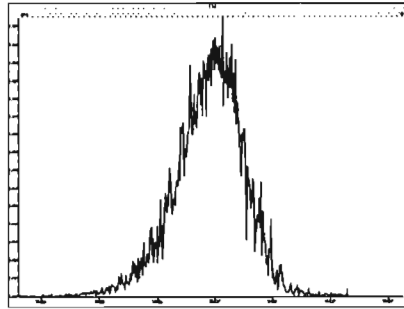
M 304.9824 R 12559



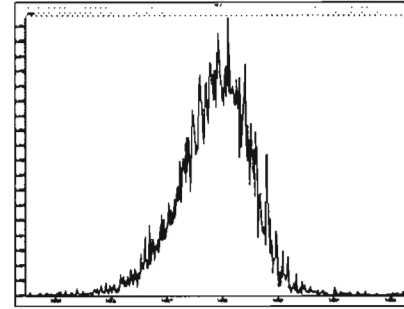
M 318.9792 R 12882



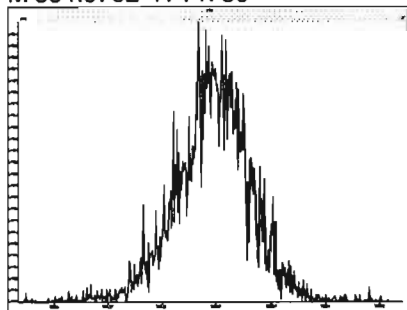
M 330.9792 R 12820



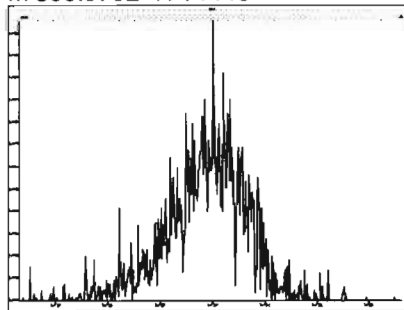
M 342.9792 R 13591



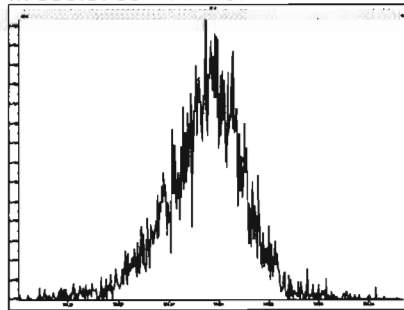
M 354.9792 R 14789



M 366.9792 R 14445



M 380.9760 R 11467

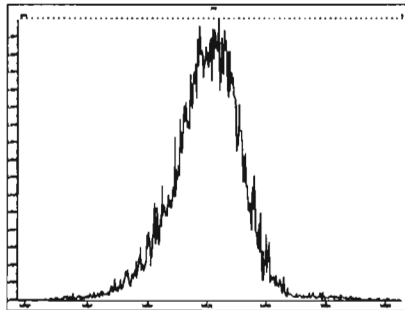




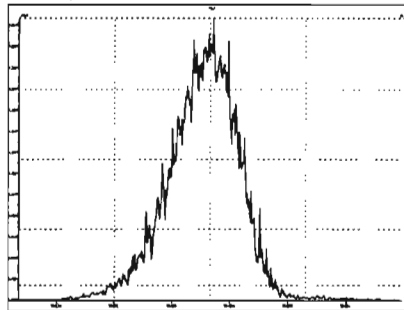
File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, June 15, 2020 12:54:30 Pacific Daylight Time

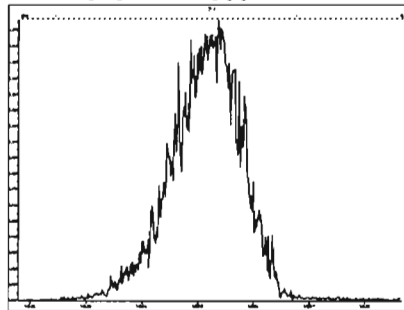
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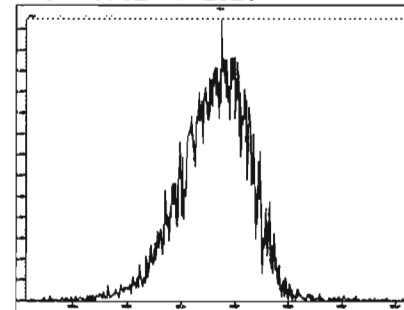
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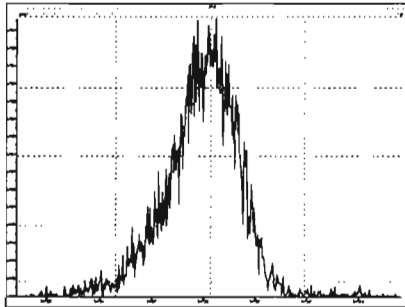
M 342.9792 R 11900



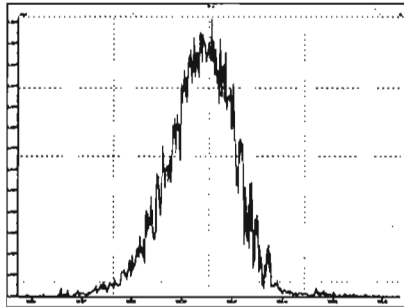
M 354.9792 R 12820



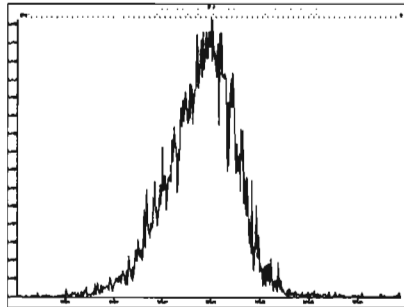
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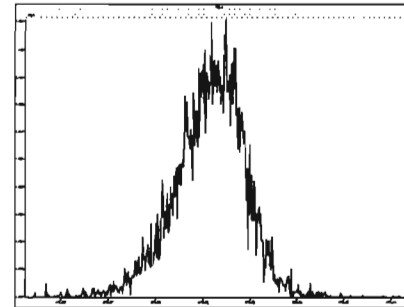
M 380.9760 R 13584



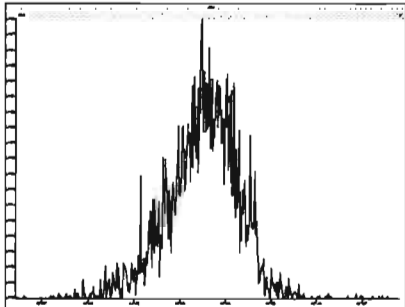
M 392.9760 R 14046



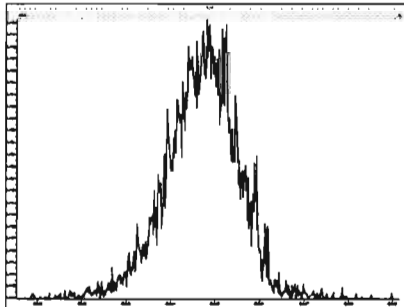
M 404.9760 R 12953



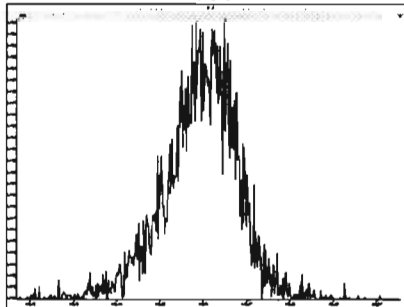
M 416.9760 R 14791



M 430.9728 R 12313



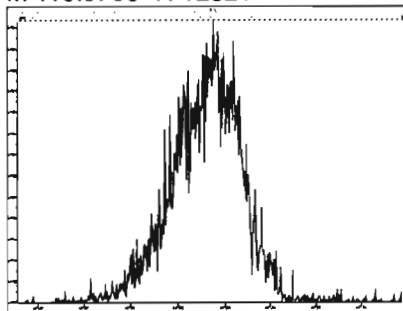
M 442.9728 R 13967



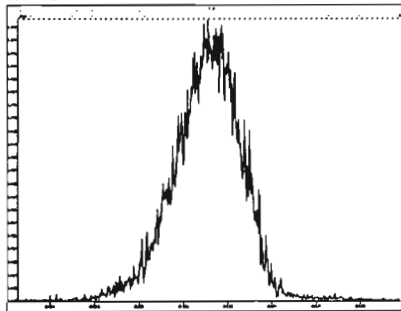
File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, June 15, 2020 12:55:24 Pacific Daylight Time

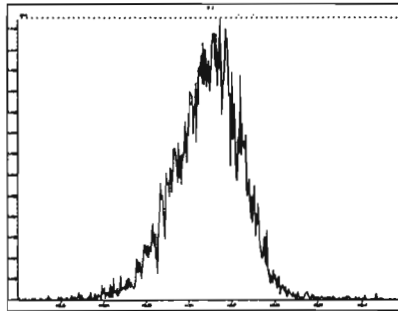
M 416.9760 R 12821



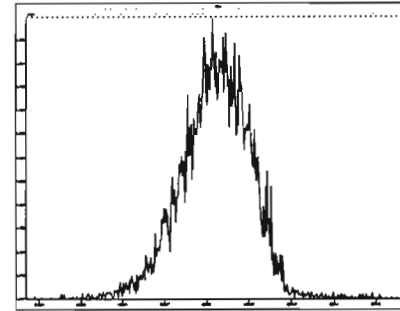
M 430.9728 R 13369



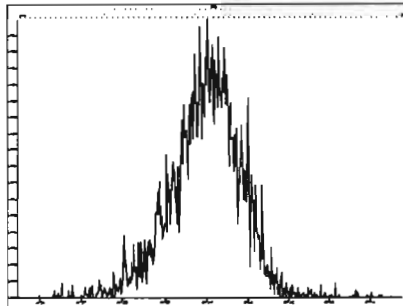
M 442.9728 R 12499



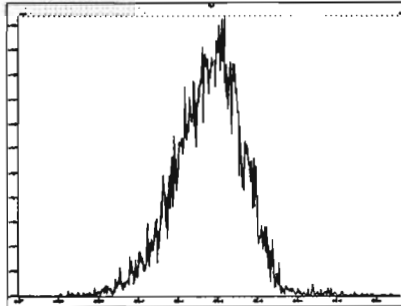
M 454.9728 R 13156



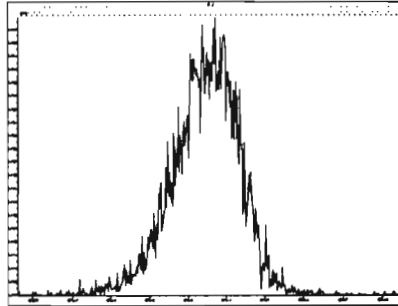
M 466.9728 R 14622



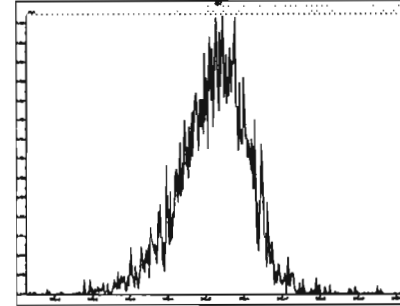
M 480.9696 R 13658



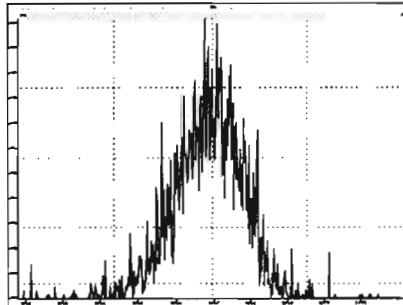
M 492.9696 R 14706



M 504.9696 R 14127



M 516.9697 R 15246



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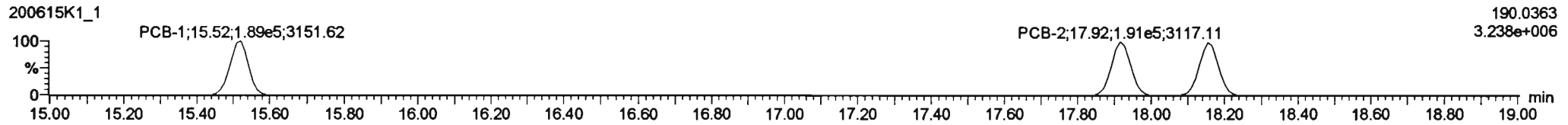
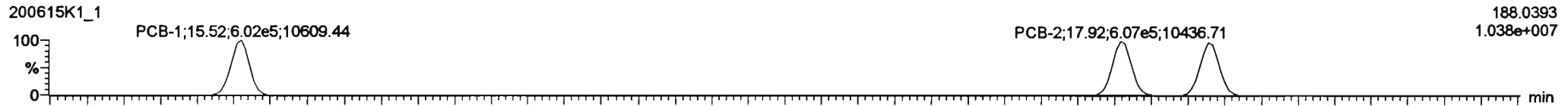
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Printed: Monday, June 15, 2020 15:11:41 Pacific Daylight Time

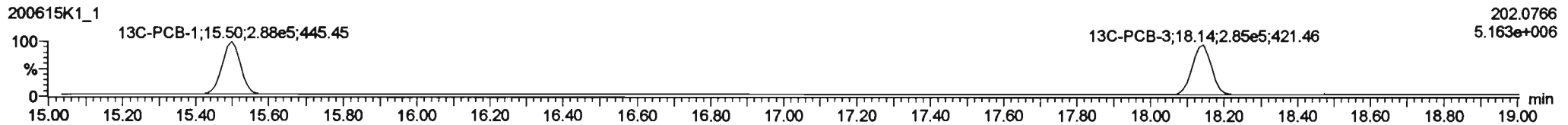
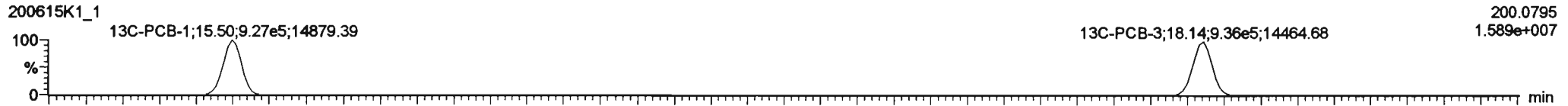
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Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: , Date: , Time: , ID: , Description:

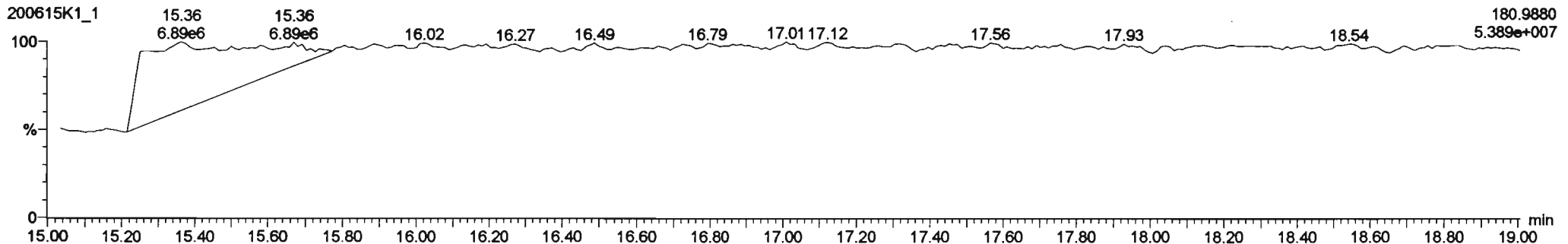
**PCB-1**



**13C-PCB-1**



**PFK1**

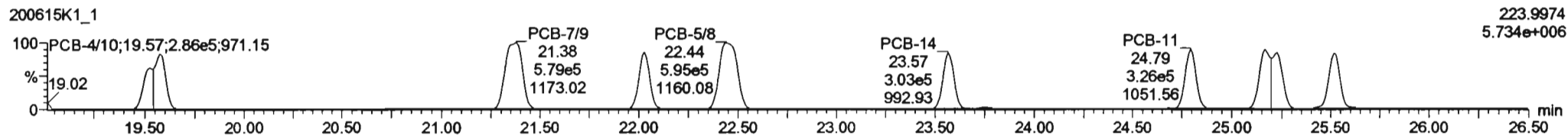
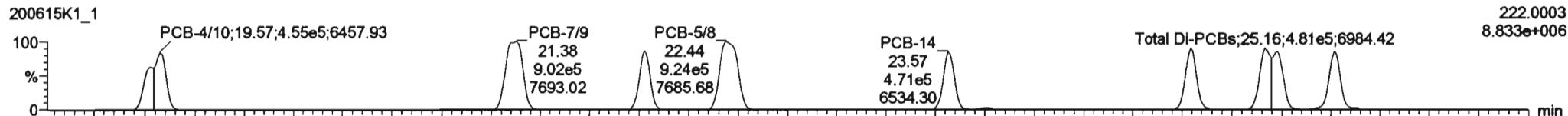


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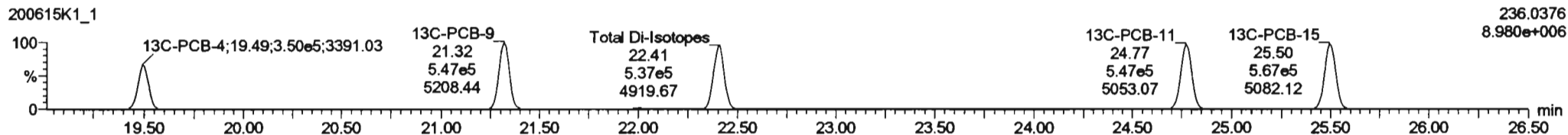
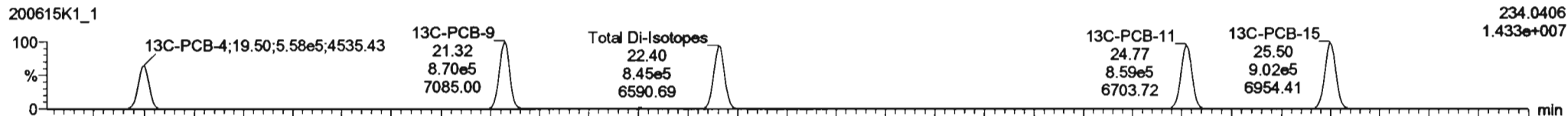
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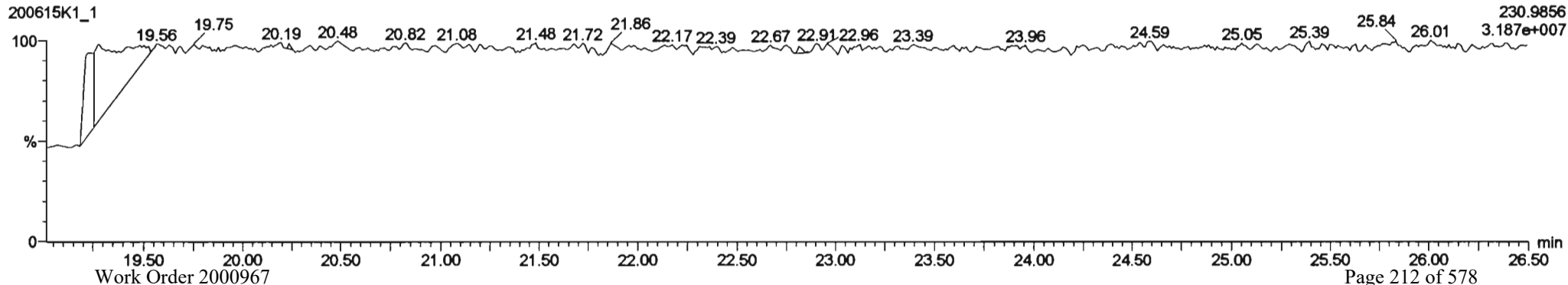
**PCB-4/10**

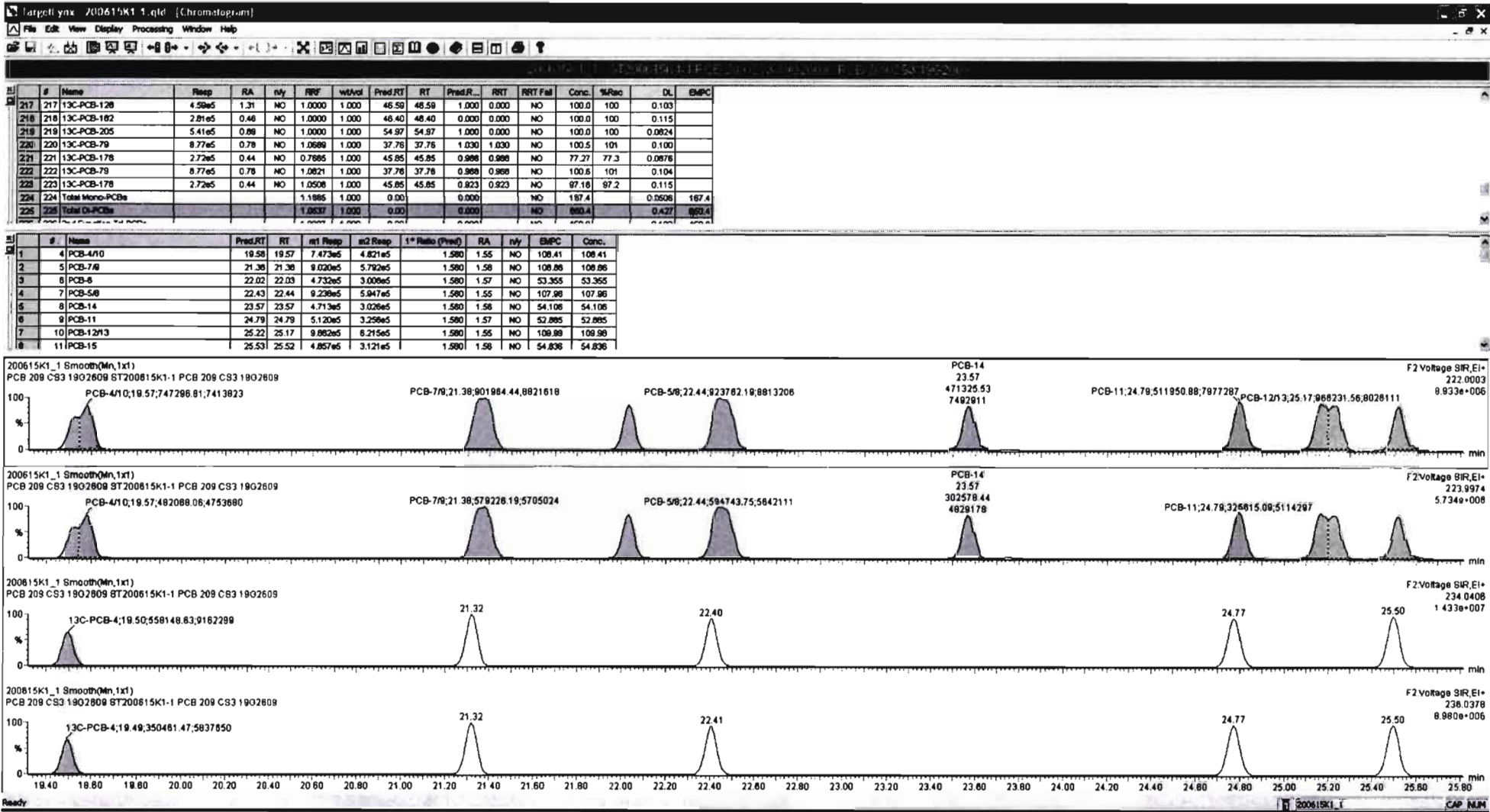


**13C-PCB-4**



**PFK2a**



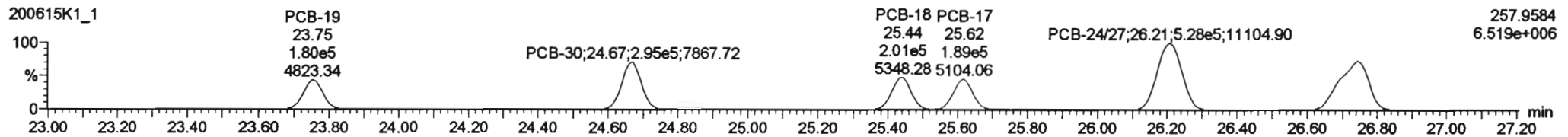
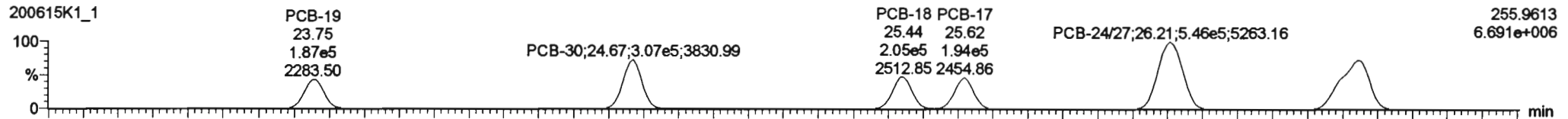


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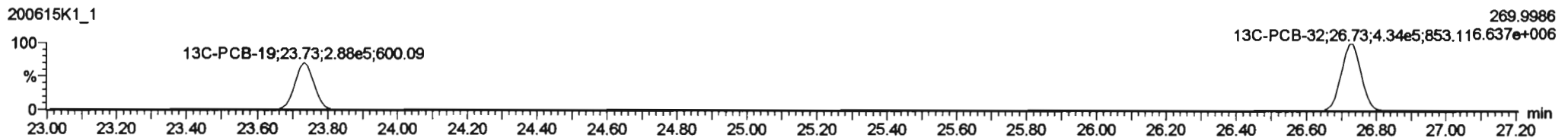
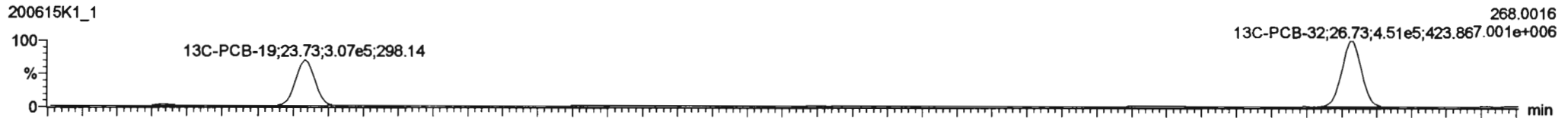
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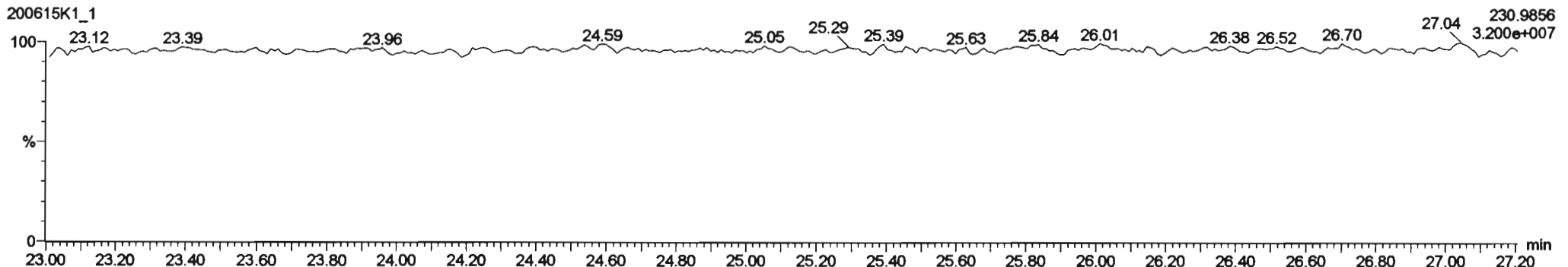
**PCB-19**



**13C-PCB-19**



**PFK2b**



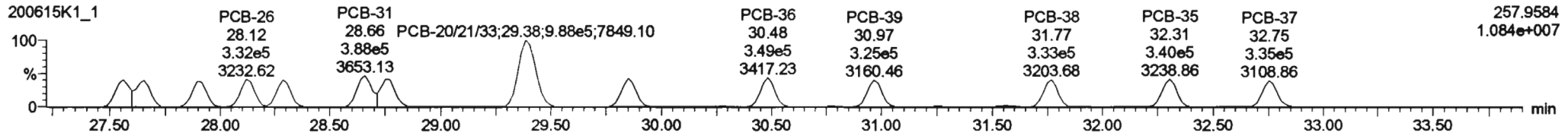
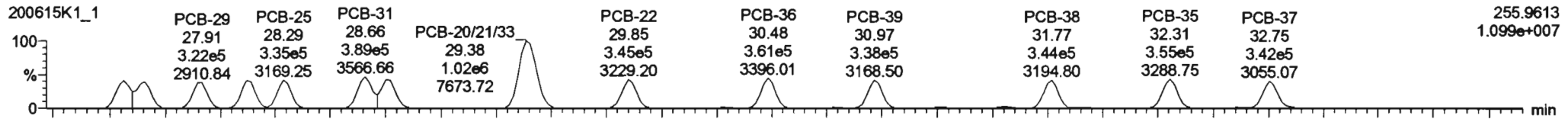
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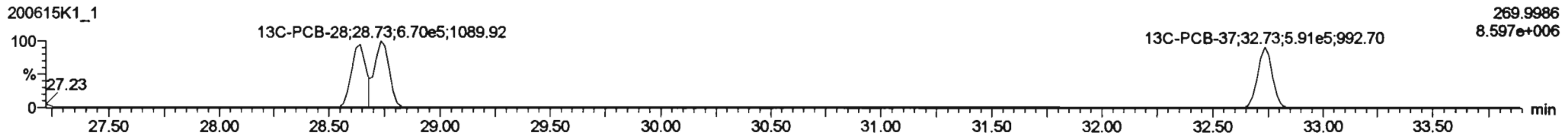
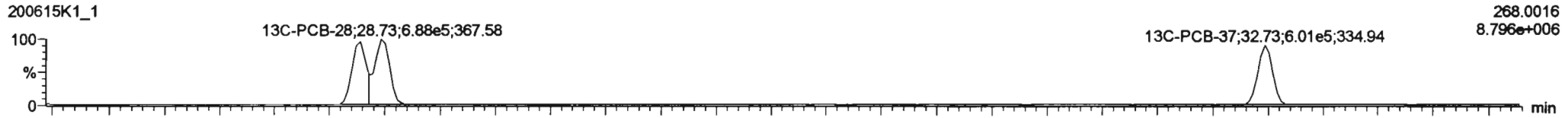
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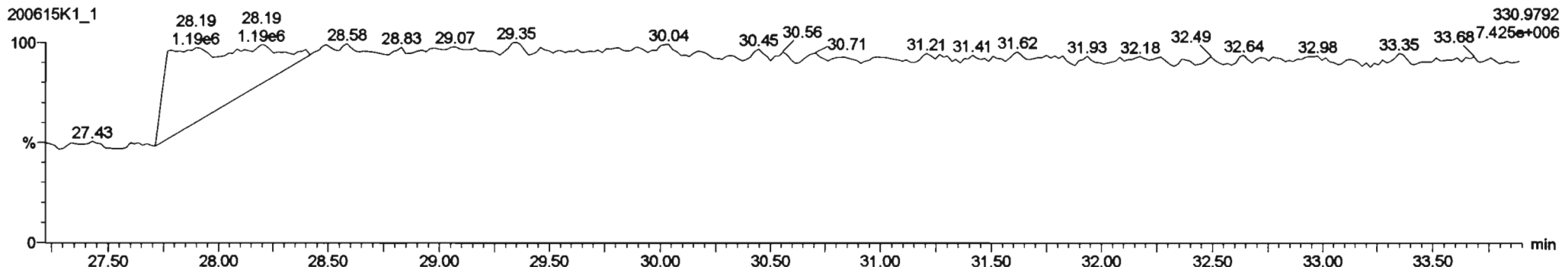
**PCB-34**



**13C-PCB-28**



**PFK3d**

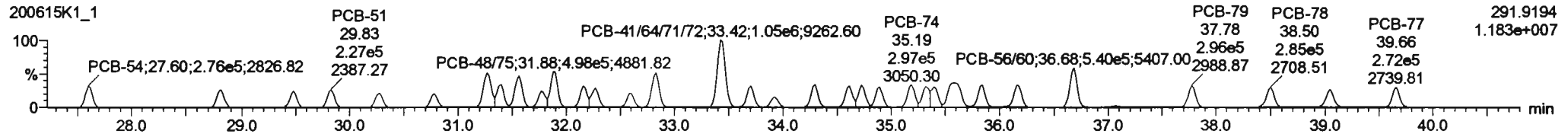
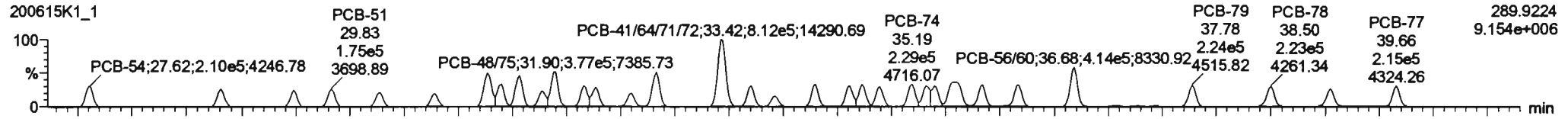


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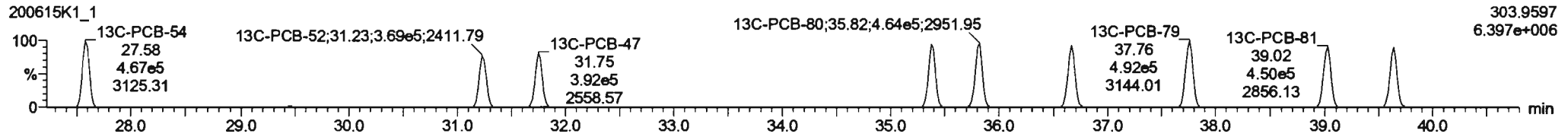
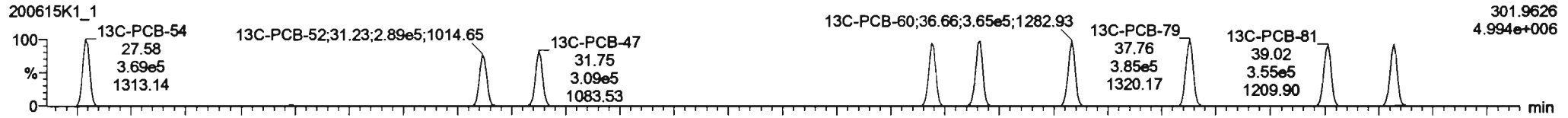
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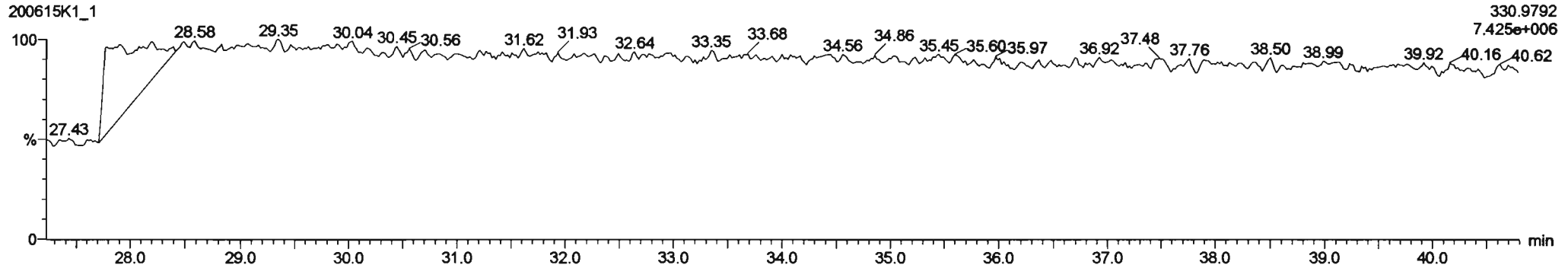
**PCB-54**



**13C-PCB-54**



**PFK3a**





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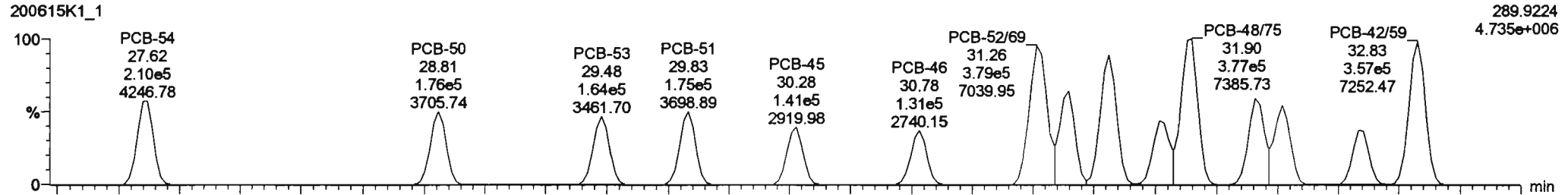
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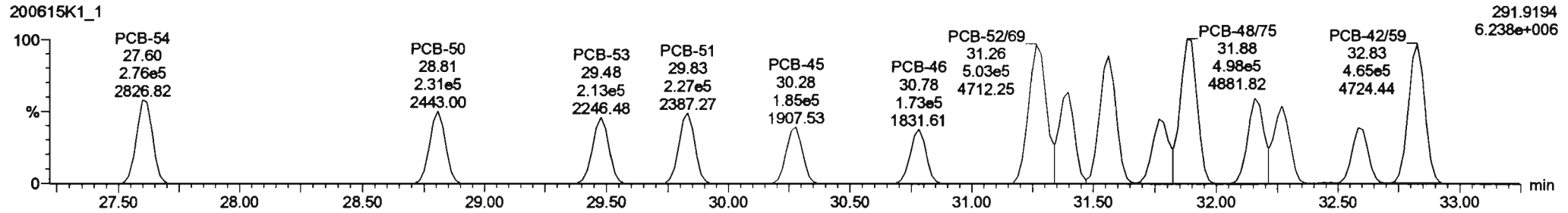
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**PCB-50**

200615K1\_1

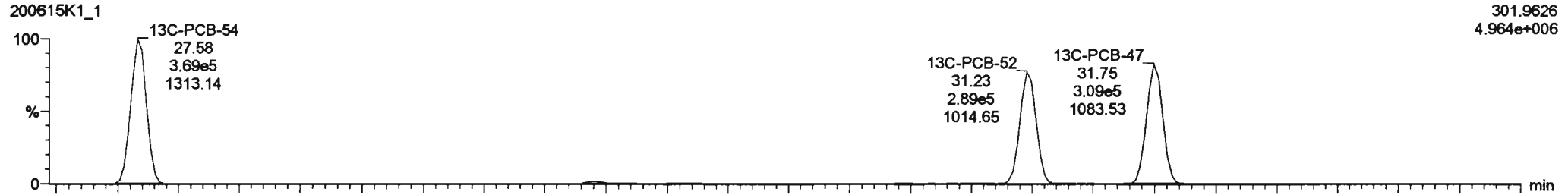


200615K1\_1

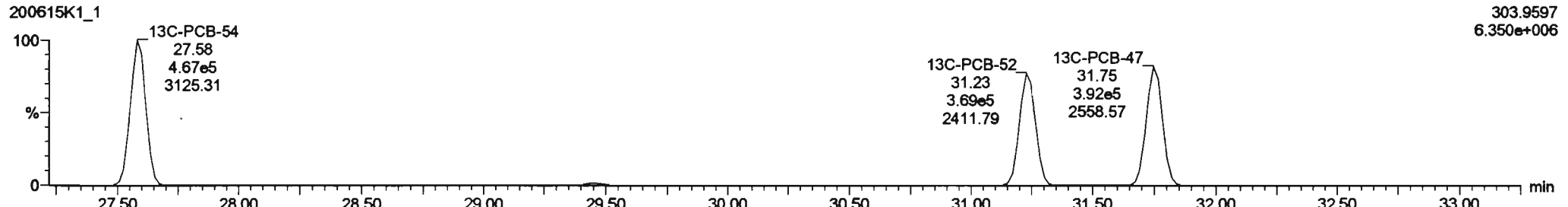


**13C-PCB-52**

200615K1\_1



200615K1\_1



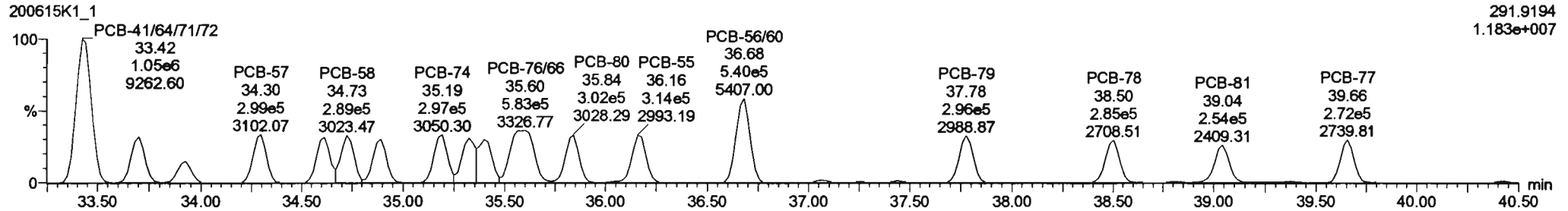
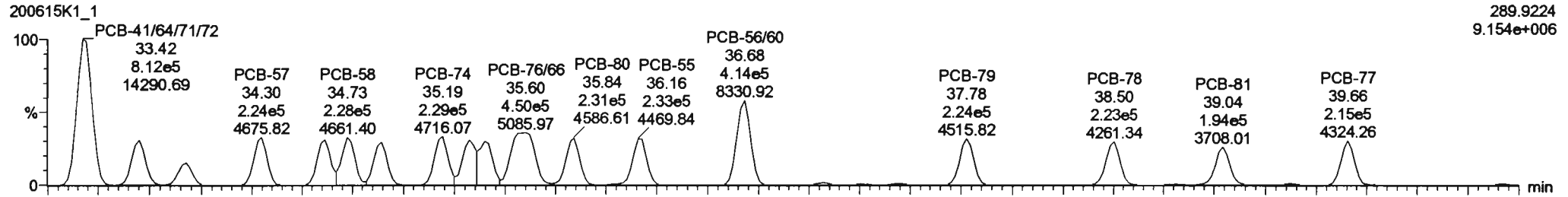
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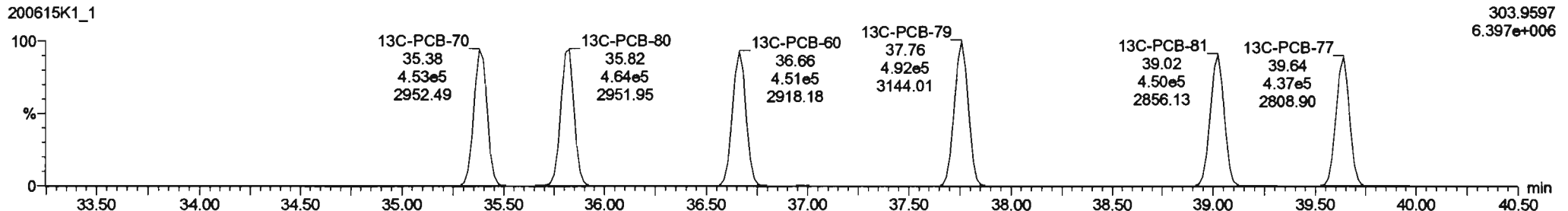
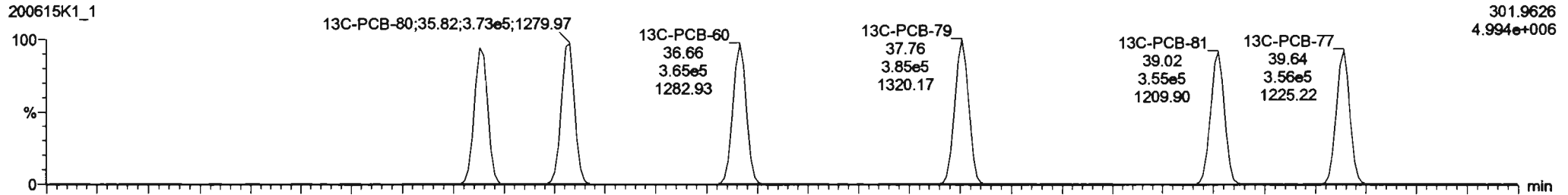
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Name: , Date: , Time: , ID: , Description:

**PCB-68**

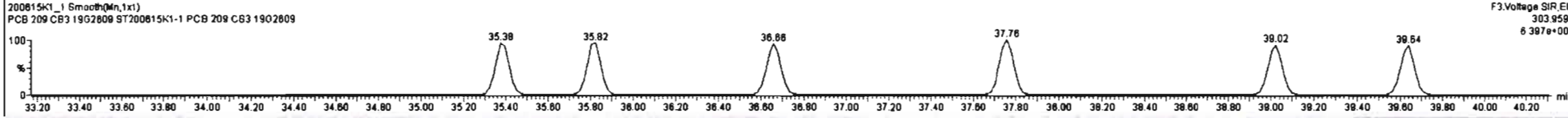
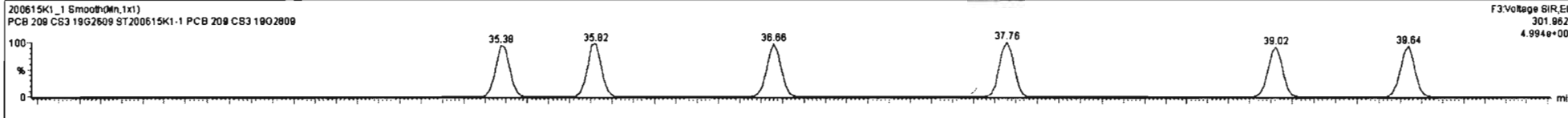
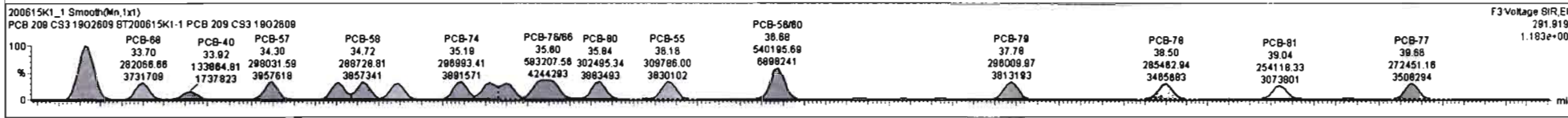
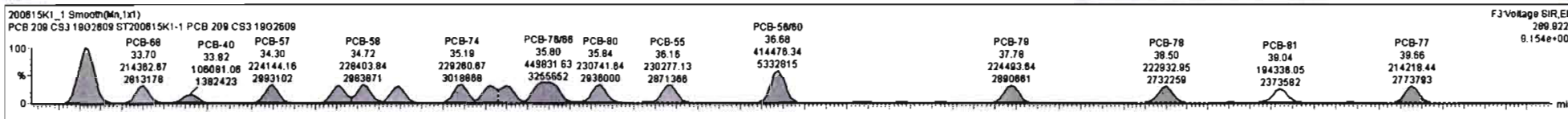


**13C-PCB-60**



#	Name	Resp	RA	nly	RRF	wt/Vol	Pred RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	BMPC
227	3rd Function Tri-PCBs				0.9526	1.000	0.00	0.000	0.000		NO	851.0		0.488	851.0
228	Total Tetra-PCBs				1.0776	1.000	0.00	0.000	0.000		NO	2397		1.20	2397
229	3rd Function Penta-PCBs				1.3157	1.000	0.00	0.000	0.000		NO	2292		5.97	2292
230	4th Function Penta-PCBs				1.0735	1.000	0.00	0.000	0.000		NO	271.9		0.305	271.9
231	3rd Function Hexa-PCBs				0.9505	1.000	0.00	0.000	0.000		NO	798.4		0.300	798.4
232	4th Function Hexa-PCBs				1.0318	1.000	0.00	0.000	0.000		NO	1528		1.08	1528
233	Total Hepta-PCBs				1.3551	1.000	0.00	0.000	0.000		NO	1308		2.08	1308
234	4th Function Octa-PCBs				1.0008	1.000	0.00	0.000	0.000		NO	505.7		0.482	505.7
235	5th Function Octa-PCBs				1.1499	1.000	0.00	0.000	0.000		NO	164.8		0.205	164.8

#	Name	Pred RT	RT	nt1 Resp	nt2 Resp	1st Ratio (Pred)	RA	nly	BMPC	Conc.
1	32 PCB-54	27.80	27.82	2.00e5	2.75e5	0.770	0.78	NO	43.901	53.901
2	33 PCB-50	28.79	28.81	1.78e5	2.31e5	0.770	0.78	NO	55.428	55.428
3	34 PCB-53	29.48	29.48	1.83e5	2.12e5	0.770	0.77	NO	57.448	57.448
4	35 PCB-51	29.82	29.83	1.751e5	2.274e5	0.770	0.77	NO	57.441	57.441
5	36 PCB-45	30.27	30.28	1.408e5	1.851e5	0.770	0.78	NO	57.873	57.873
6	37 PCB-48	30.76	30.78	1.311e5	1.731e5	0.770	0.78	NO	55.858	55.858
7	38 PCB-52/68	31.28	31.28	3.788e5	5.032e5	0.770	0.75	NO	114.82	114.82
8	39 PCB-73	31.38	31.39	2.242e5	2.915e5	0.770	0.77	NO	54.326	54.326

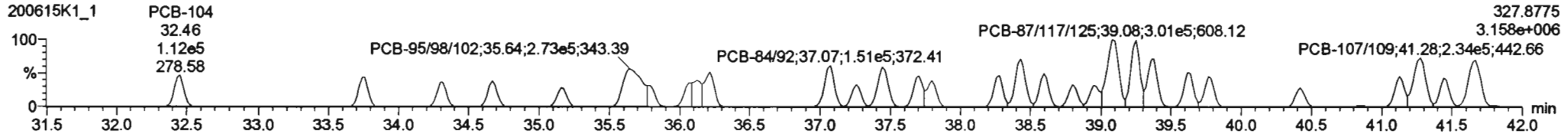
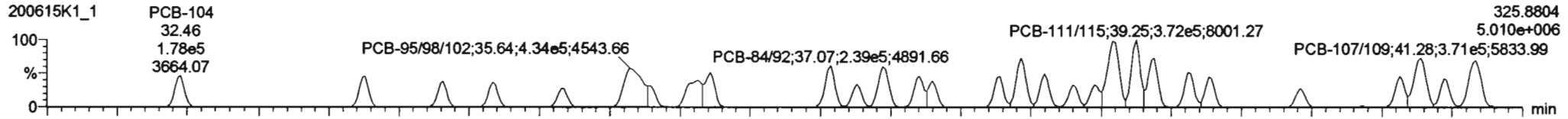


Dataset: Untitled

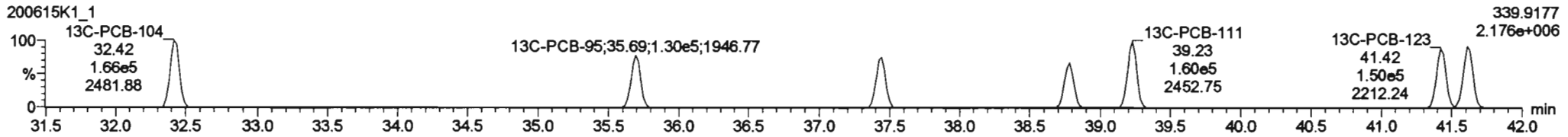
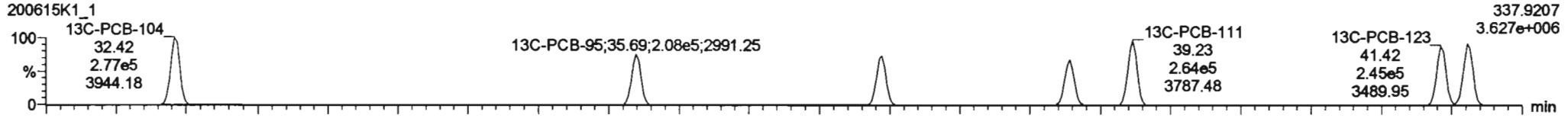
Last Altered: Monday, June 15, 2020 15:11:08 Pacific Daylight Time  
Printed: Monday, June 15, 2020 15:11:41 Pacific Daylight Time

Name: , Date: , Time: , ID: , Description:

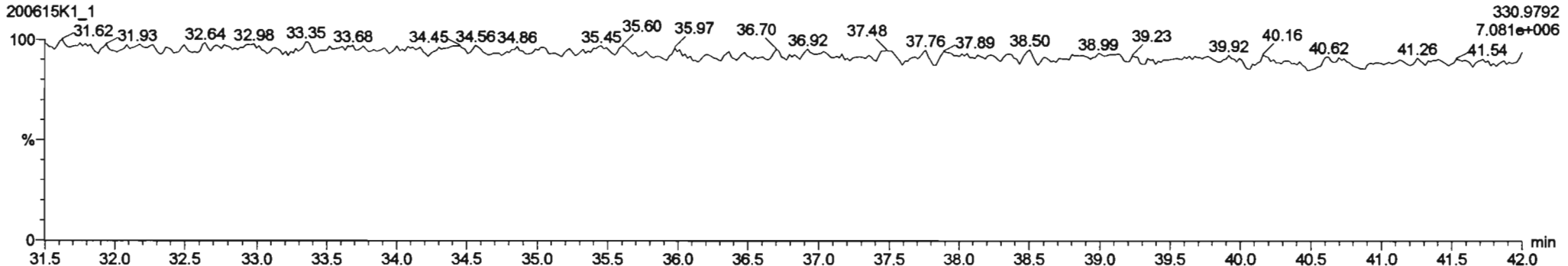
**PCB-104**



**13C-PCB-104**



**PFK3b**



Dataset: Untitled

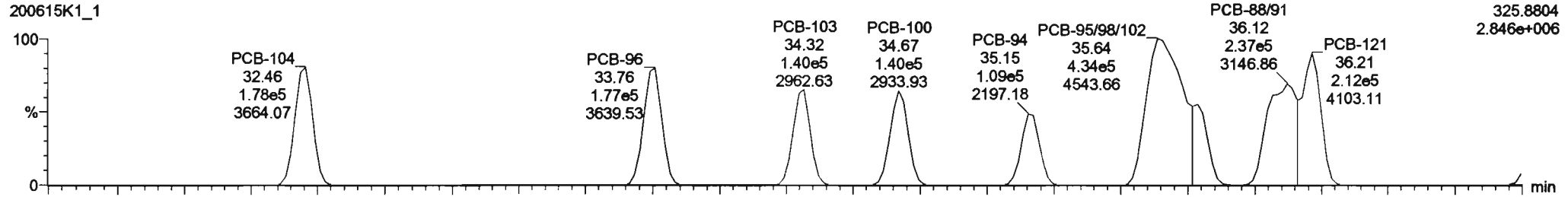
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Printed: Monday, June 15, 2020 15:11:41 Pacific Daylight Time

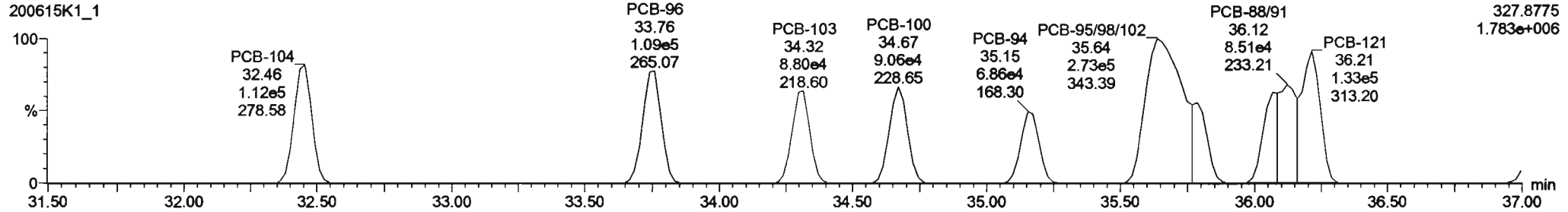
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**PCB-96**

200615K1\_1

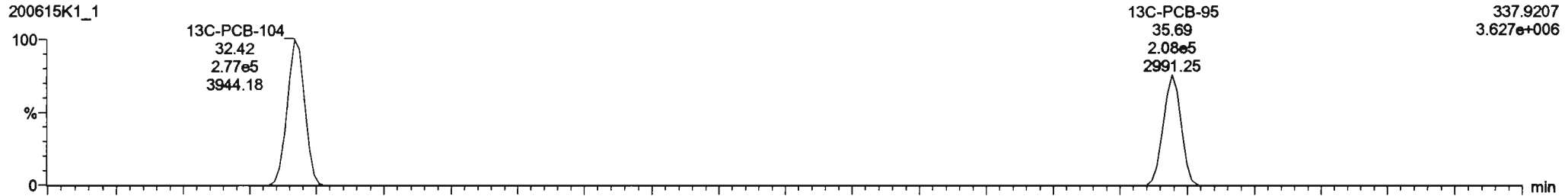


200615K1\_1

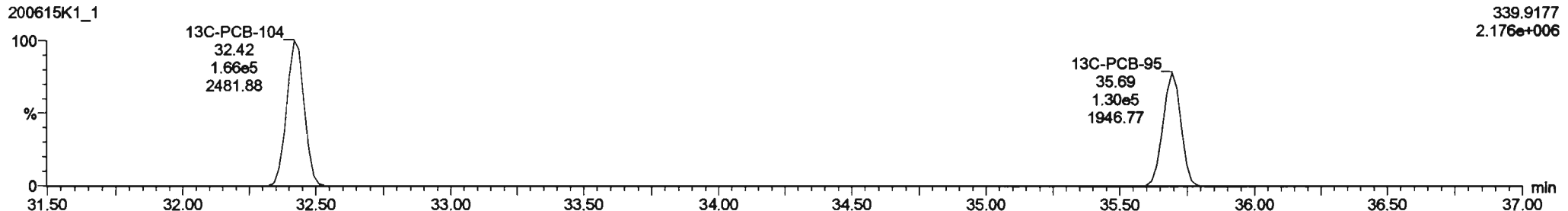


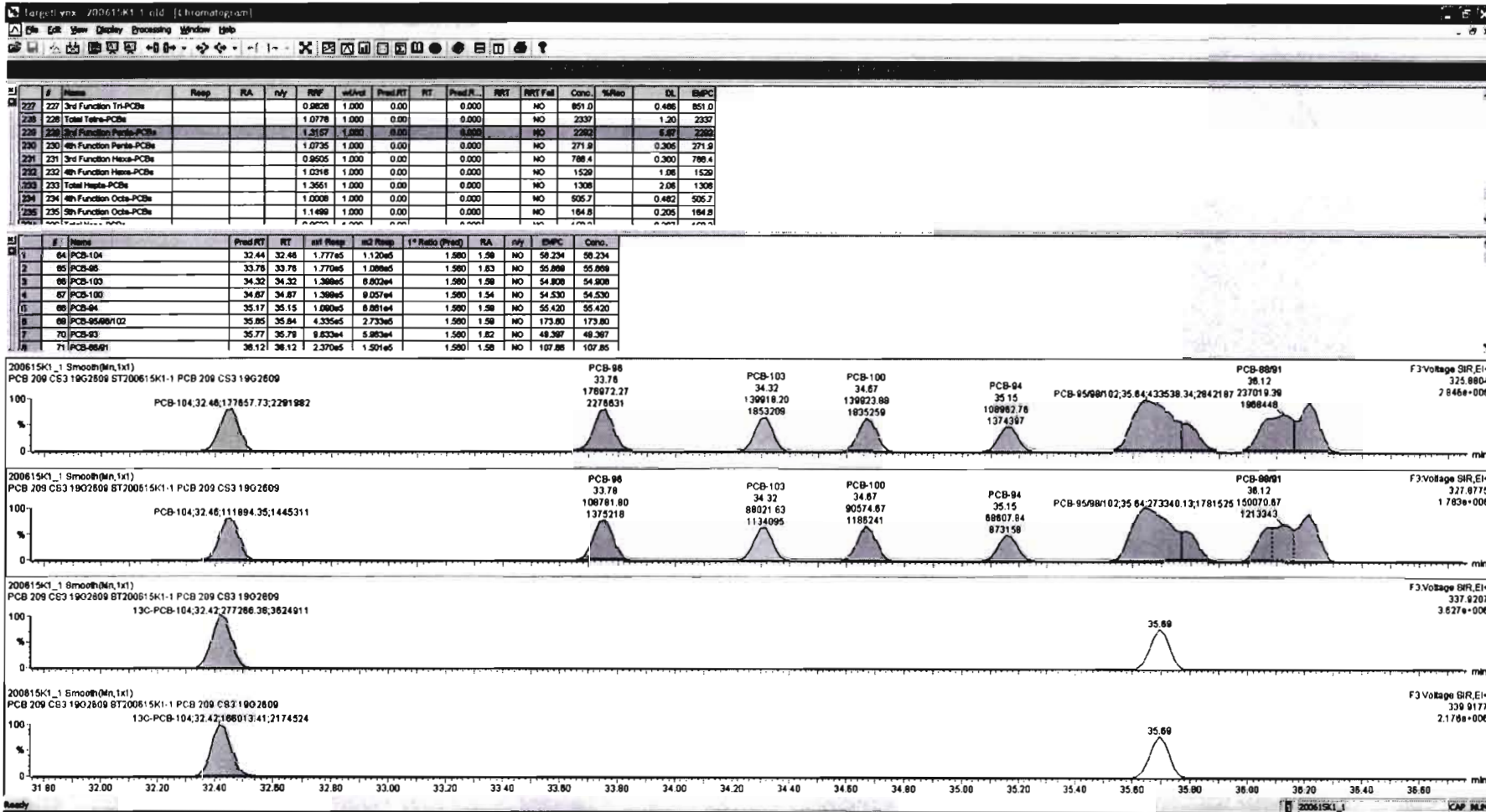
**13C-PCB-95**

200615K1\_1



200615K1\_1





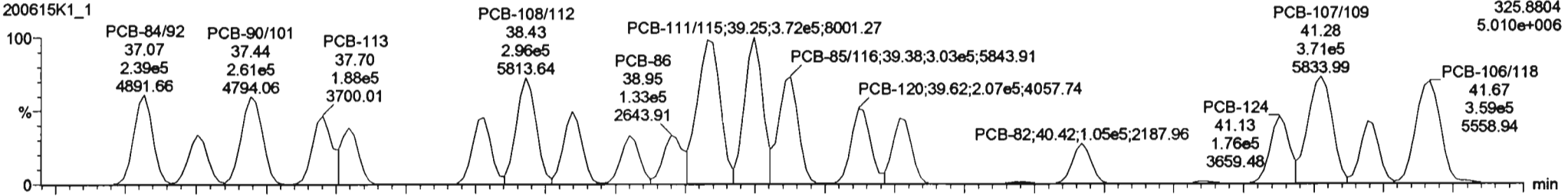
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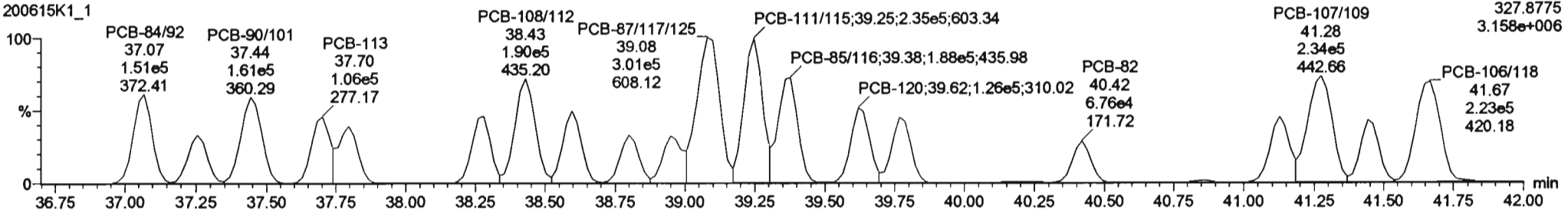
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**PCB-119**

200615K1\_1

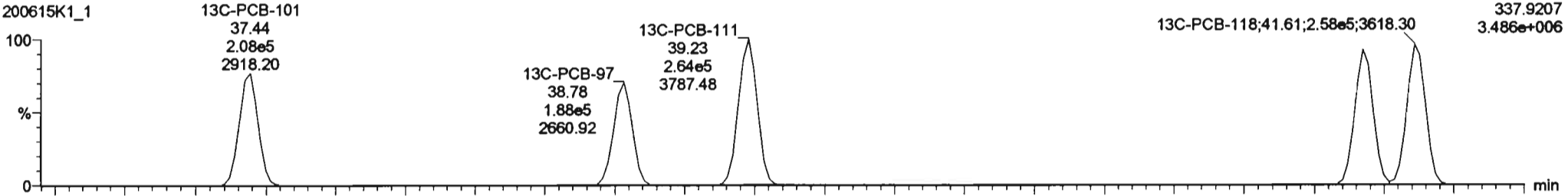


200615K1\_1

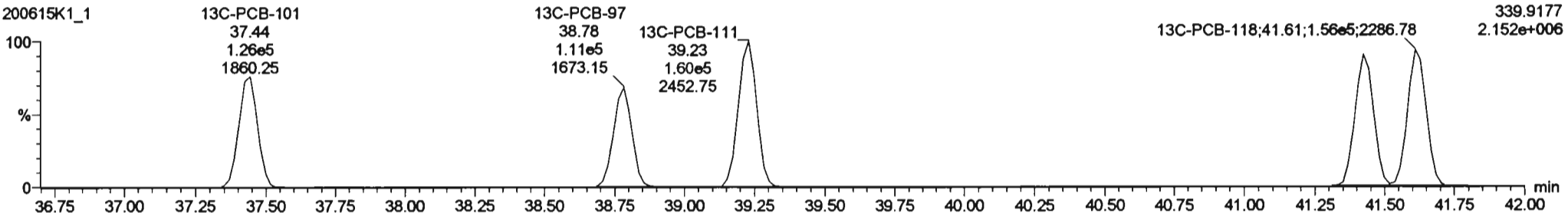


**13C-PCB-111**

200615K1\_1

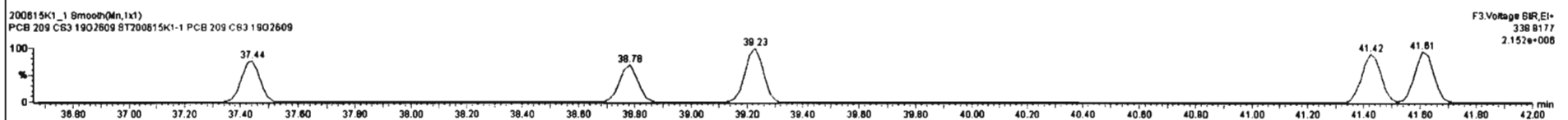
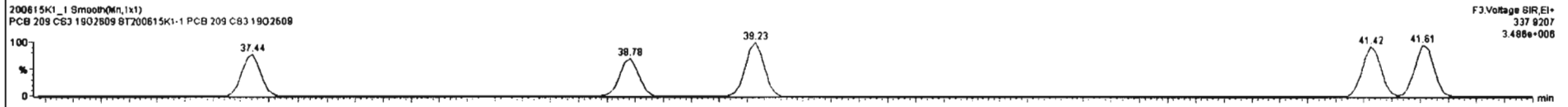
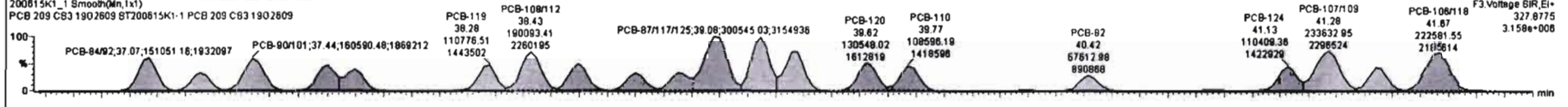
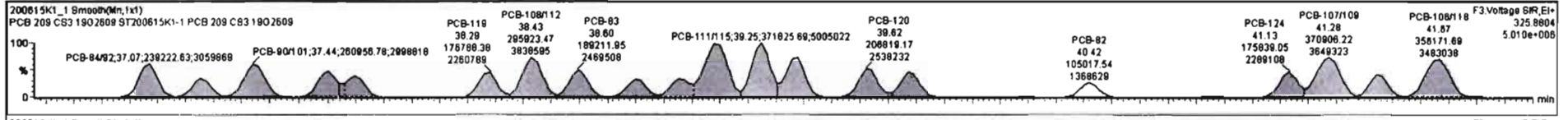


200615K1\_1



#	Name	Resp	RA	nly	RF	intVal	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				0.9628	1.000	0.000		0.000		NO	851.0		0.486	851.0
228	228 Total Tetra-PCBs				1.0778	1.000	0.000		0.000		NO	2337		1.20	2337
229	229 3rd Function Penta-PCBs				1.3157	1.000	0.000		0.000		NO	2762		5.87	2762
230	230 4th Function Penta-PCBs				1.0735	1.000	0.000		0.000		NO	271.9		0.305	271.9
231	231 3rd Function Hexa-PCBs				0.9505	1.000	0.000		0.000		NO	788.4		0.300	788.4
232	232 4th Function Hexa-PCBs				1.0318	1.000	0.000		0.000		NO	1529		1.08	1529
233	233 Total Hepta-PCBs				1.3551	1.000	0.000		0.000		NO	1308		2.08	1308
234	234 4th Function Octa-PCBs				1.0008	1.000	0.000		0.000		NO	505.7		0.482	505.7
235	235 3th Function Octa-PCBs				1.1488	1.000	0.000		0.000		NO	184.8		0.205	184.8

#	Name	Pred.RT	RT	int Resp	int Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
84	PCB-104	32.44	32.48	1.777e5	1.120e5	1.580	1.59	NO	58.234	58.234
85	PCB-88	33.78	33.78	1.770e5	1.088e5	1.580	1.83	NO	55.889	55.889
86	PCB-103	34.32	34.32	1.388e5	8.802e4	1.580	1.99	NO	54.908	54.908
87	PCB-100	34.87	34.87	1.388e5	9.057e4	1.580	1.54	NO	54.530	54.530
88	PCB-84	35.17	35.15	1.080e5	8.881e4	1.580	1.58	NO	55.420	55.420
89	PCB-85/88/102	35.85	35.84	4.335e4	2.733e5	1.580	1.58	NO	173.80	173.80
7	PCB-83	35.77	35.79	9.833e4	5.953e4	1.580	1.82	NO	49.387	49.387
71	PCB-86/1	38.12	38.12	2.370e5	1.501e5	1.580	1.58	NO	107.86	107.86





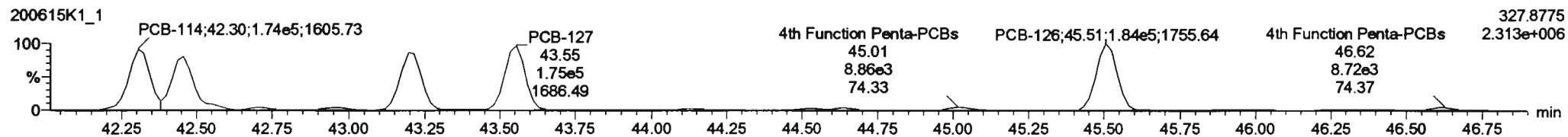
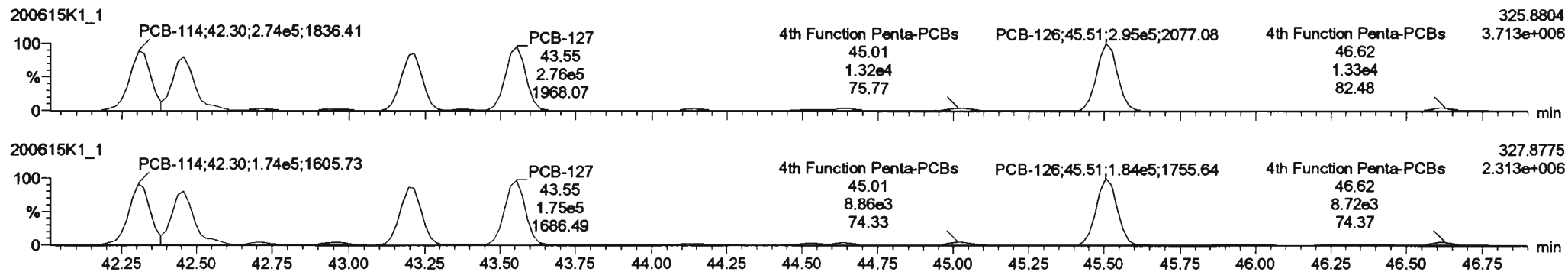
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Last Altered: Monday, June 15, 2020 15:11:08 Pacific Daylight Time

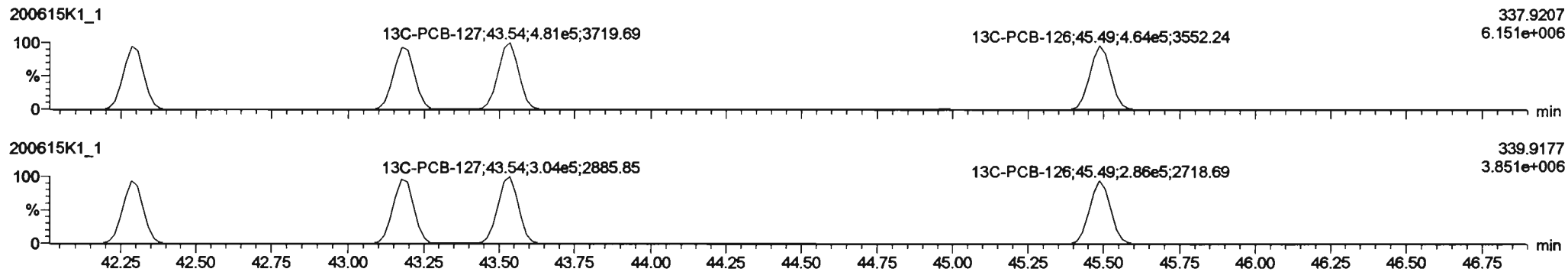
Printed: Monday, June 15, 2020 15:11:41 Pacific Daylight Time

Name: , Date: , Time: , ID: , Description:

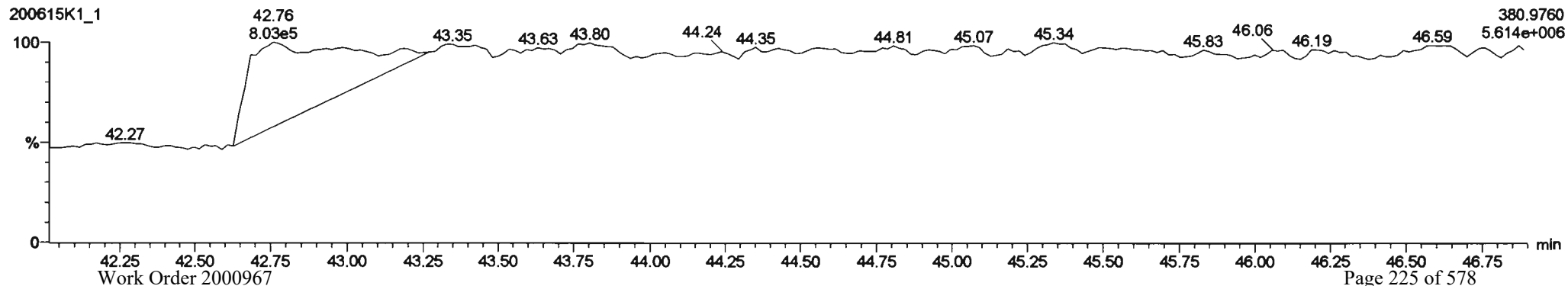
**PCB-114**

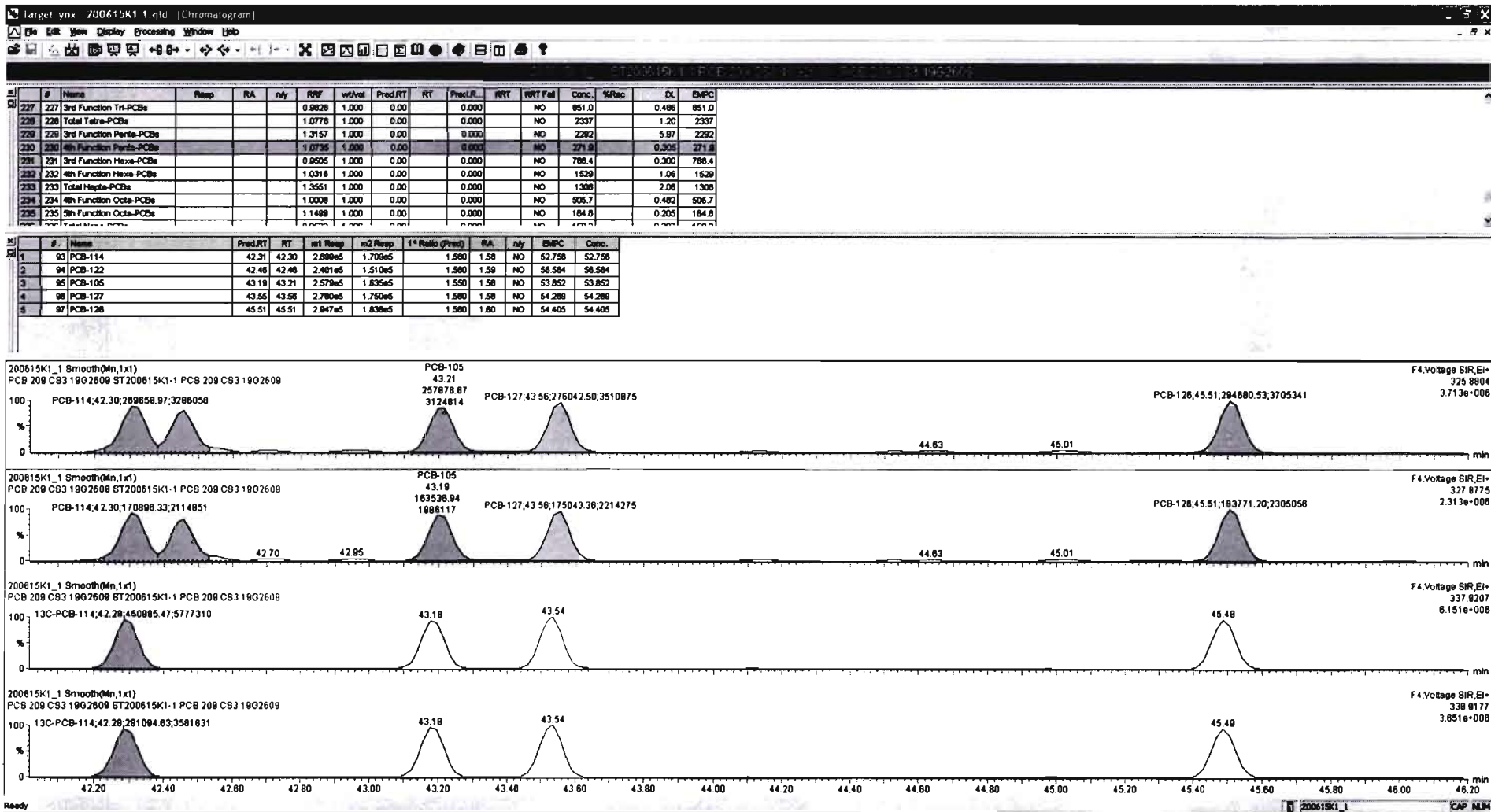


**13C-PCB-114**



**PFK4a**





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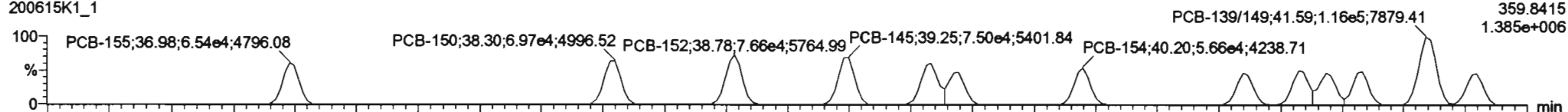
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Printed: Monday, June 15, 2020 15:11:41 Pacific Daylight Time

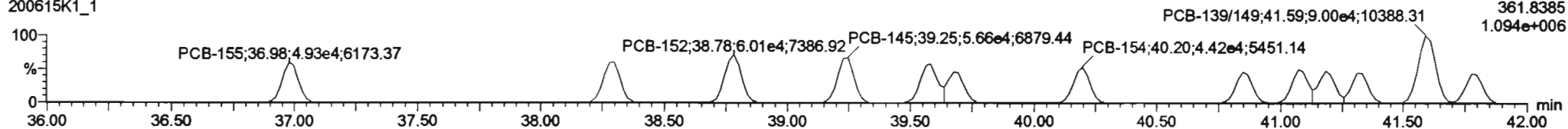
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**PCB-155**

200615K1\_1

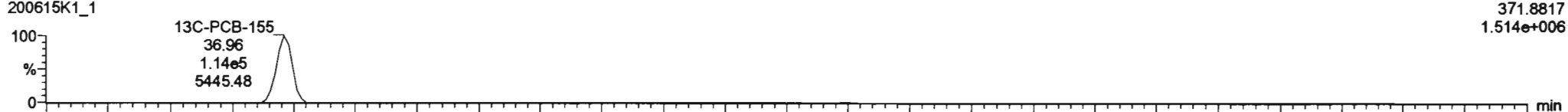


200615K1\_1

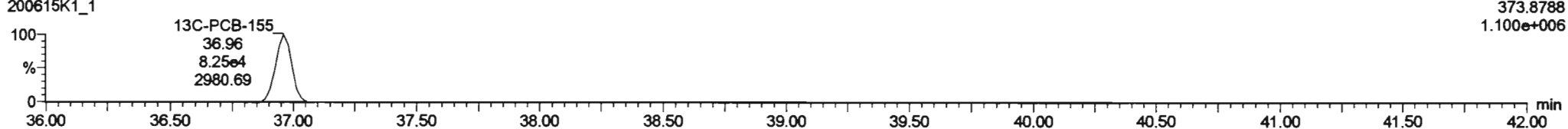


**13C-PCB-155**

200615K1\_1

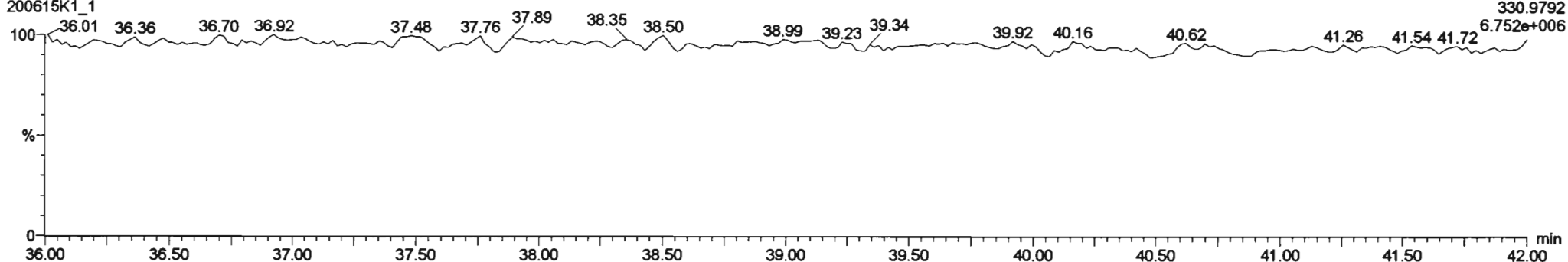


200615K1\_1



**PFK3c**

200615K1\_1



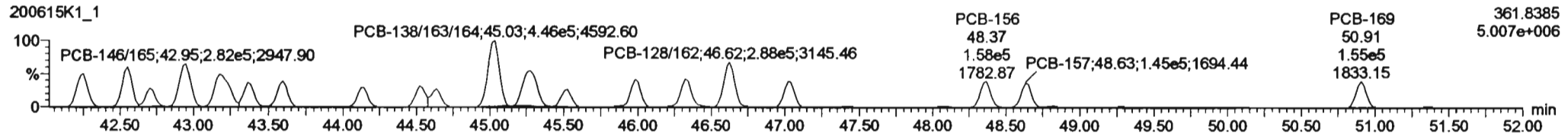
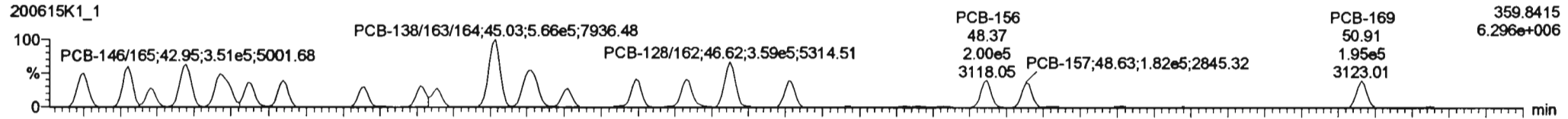
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Last Altered: Monday, June 15, 2020 15:11:08 Pacific Daylight Time

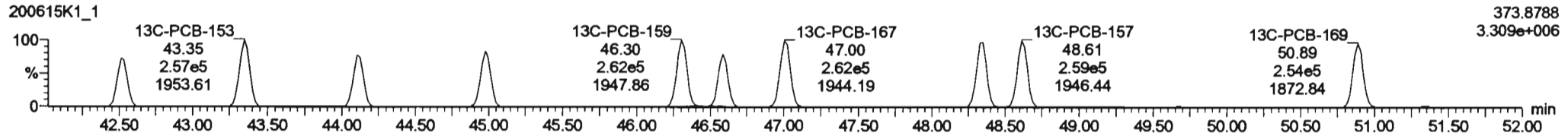
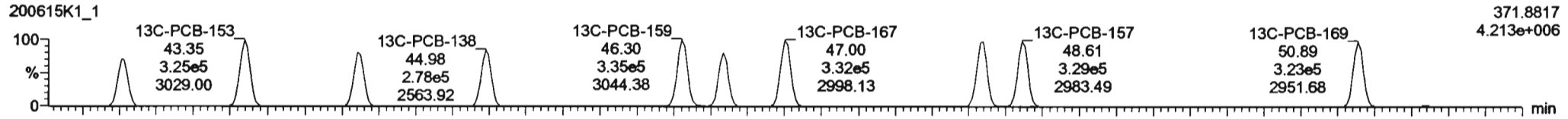
Printed: Monday, June 15, 2020 15:11:41 Pacific Daylight Time

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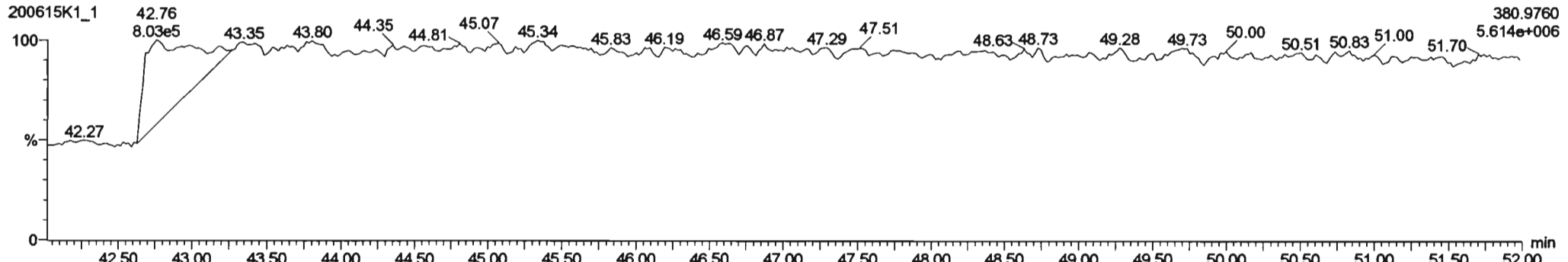
**PCB-134/143**

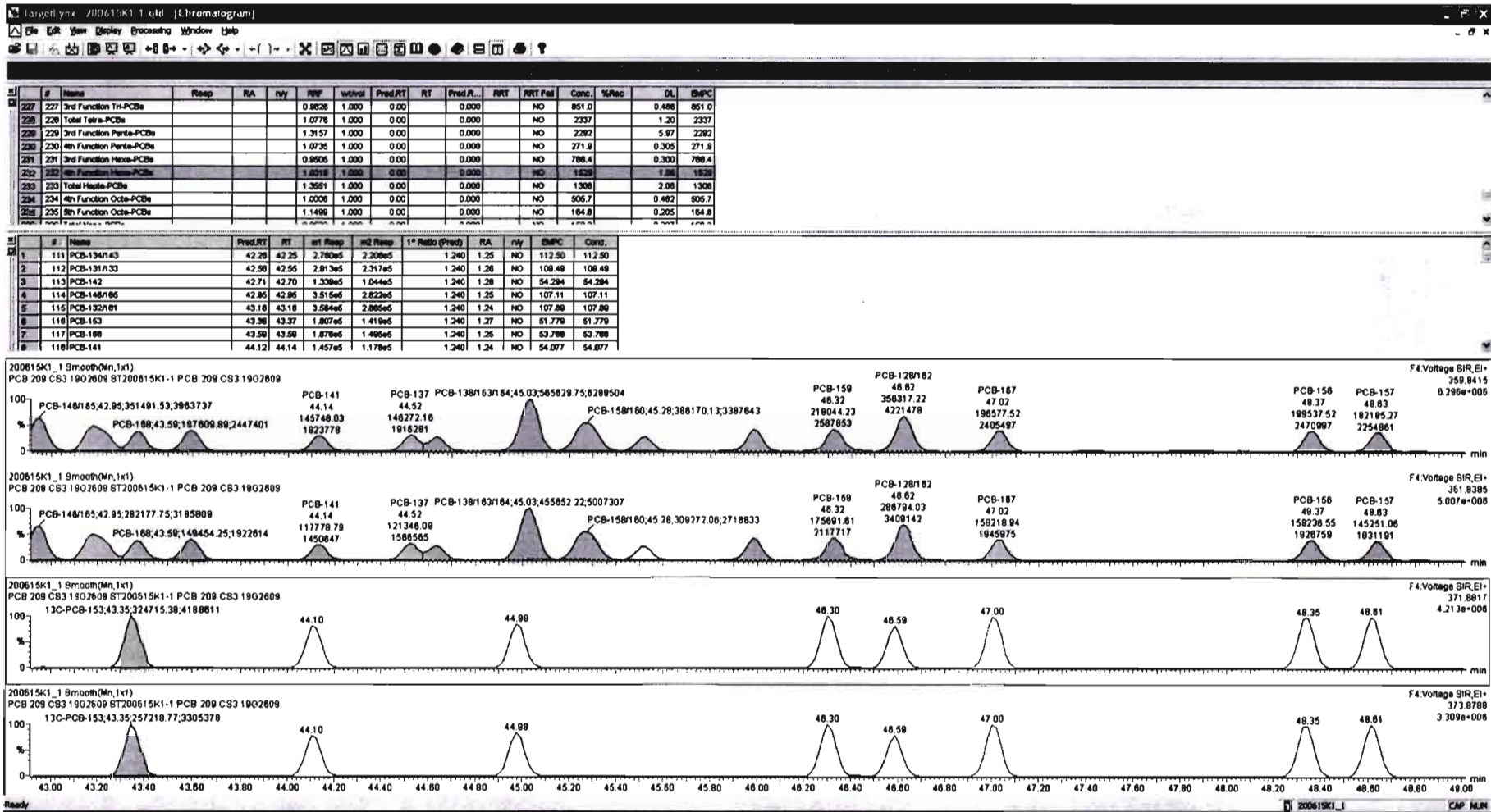


**13C-PCB-153**



**PFK4b**





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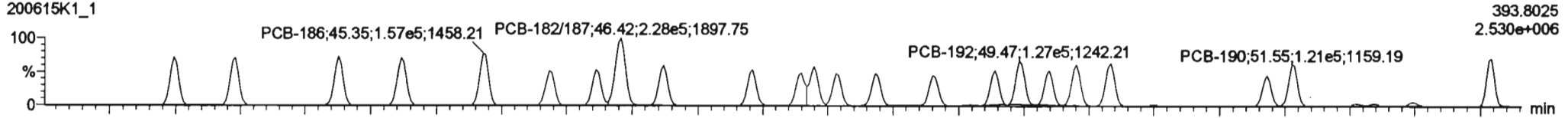
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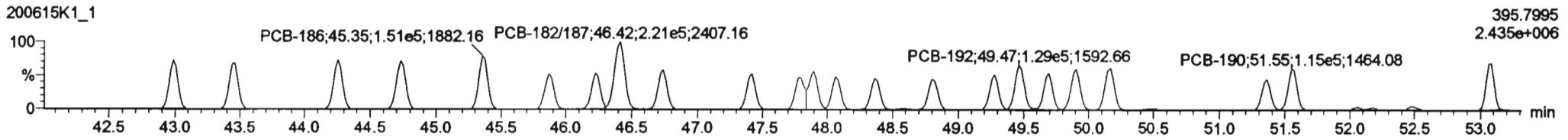
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**PCB-188**

200615K1\_1

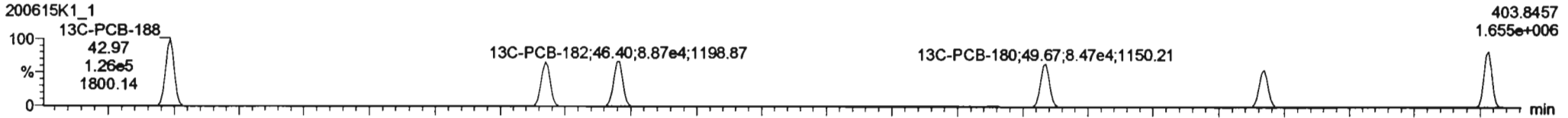


200615K1\_1

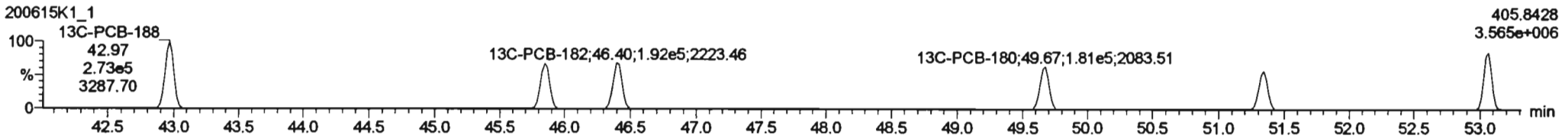


**13C-PCB-188**

200615K1\_1

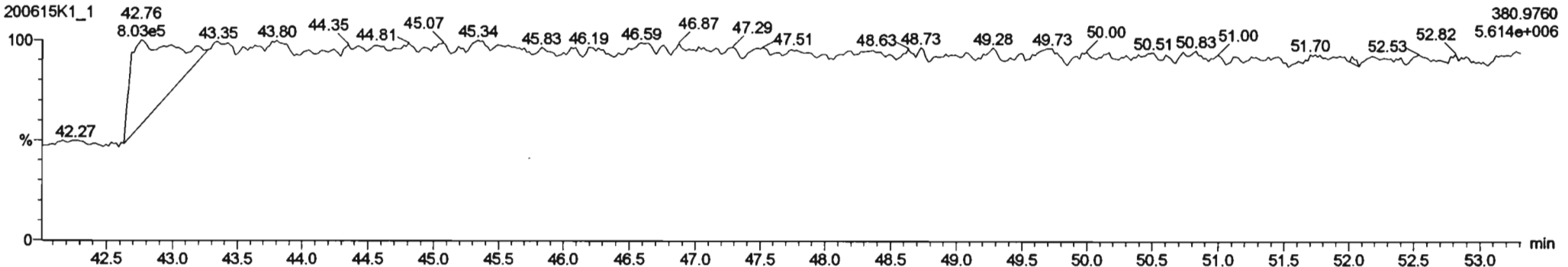


200615K1\_1



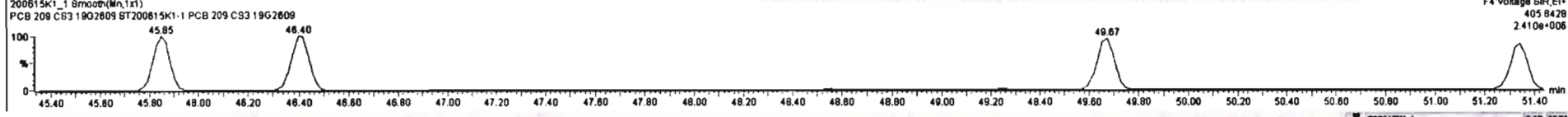
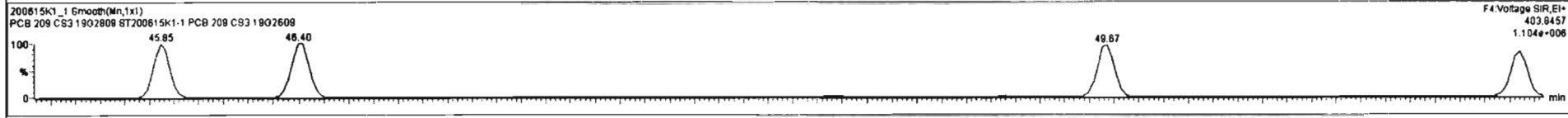
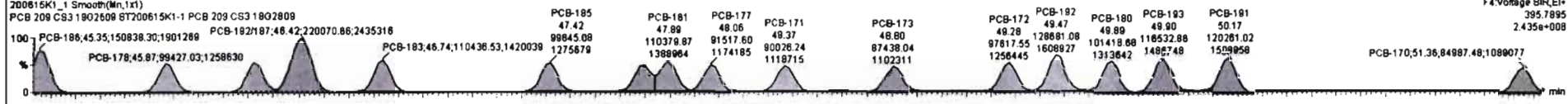
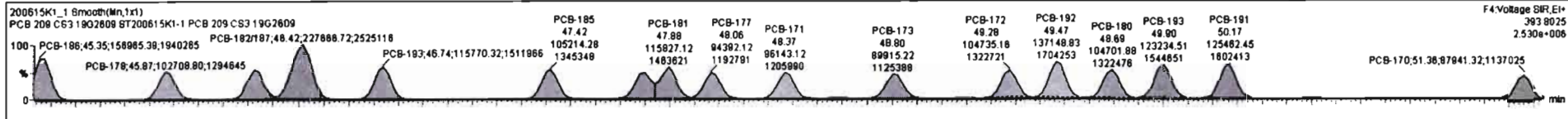
**PFK4c**

200615K1\_1



#	Name	Resp	RA	nly	RRF	wtAvl	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
227	3rd Function Tri-PCBs				0.9828	1.000	0.00	0.000	0.000	NO	851.0	0.486	851.0		
228	Total Tetra-PCBs				1.0778	1.000	0.00	0.000	0.000	NO	2337	1.20	2337		
229	3rd Function Penta-PCBs				1.3157	1.000	0.00	0.000	0.000	NO	2292	5.97	2292		
230	4th Function Penta-PCBs				1.0735	1.000	0.00	0.000	0.000	NO	271.9	0.305	271.9		
231	3rd Function Hexa-PCBs				0.9505	1.000	0.00	0.000	0.000	NO	786.4	0.300	786.4		
232	4th Function Hexa-PCBs				1.0318	1.000	0.00	0.000	0.000	NO	1529	1.06	1529		
233	Total Hepta-PCBs				1.2601	1.000	0.00	0.000	0.000	NO	1308	2.08	1308		
234	4th Function Octa-PCBs				1.0008	1.000	0.00	0.000	0.000	NO	505.7	0.482	505.7		
235	5th Function Octa-PCBs				1.1499	1.000	0.00	0.000	0.000	NO	164.8	0.205	164.8		

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	131 PCB-186	43.01	42.98	1.403e5	1.363e5	1.050	1.03	NO	53.801	53.801
2	132 PCB-184	43.44	43.46	1.402e5	1.333e5	1.050	1.05	NO	55.705	55.705
3	133 PCB-179	44.28	44.26	1.410e5	1.370e5	1.050	1.03	NO	53.717	53.717
4	134 PCB-178	44.72	44.73	1.410e5	1.384e5	1.050	1.02	NO	53.537	53.537
5	135 PCB-188	45.35	45.35	1.570e5	1.508e5	1.050	1.04	NO	58.081	58.081
6	136 PCB-176	45.87	45.87	1.027e5	9.843e4	1.050	1.03	NO	53.751	53.751
7	137 PCB-175	46.22	46.23	1.058e5	1.018e5	1.050	1.04	NO	54.458	54.458
8	138 PCB-182/187	46.40	46.42	2.277e5	2.201e5	1.050	1.03	NO	105.33	105.33



Dataset: Untitled

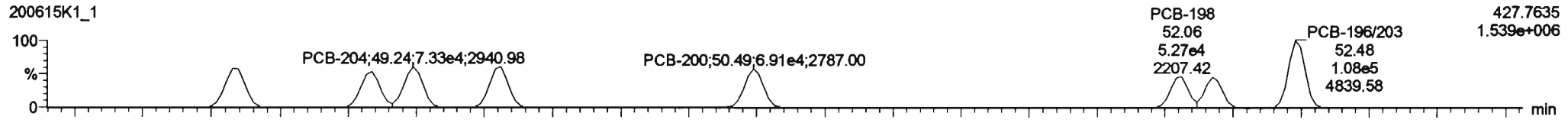
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Printed: Monday, June 15, 2020 15:11:41 Pacific Daylight Time

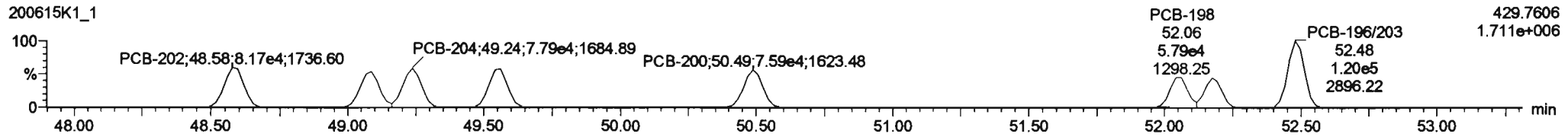
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**PCB-202**

200615K1\_1

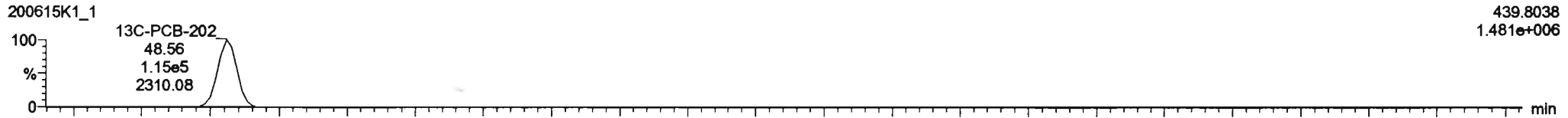


200615K1\_1

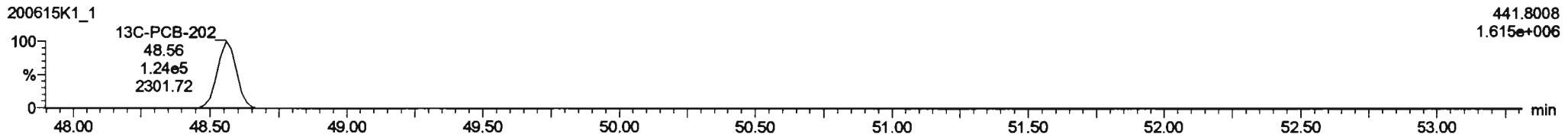


**13C-PCB-202**

200615K1\_1

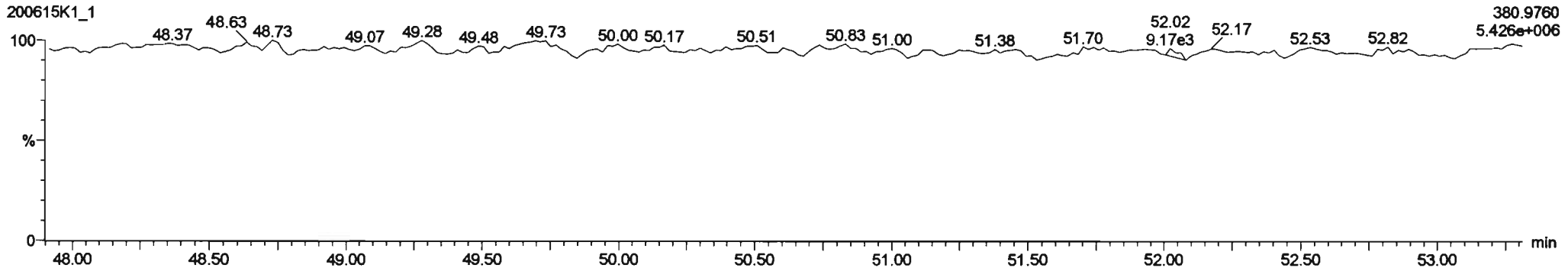


200615K1\_1



**PFK4d**

200615K1\_1



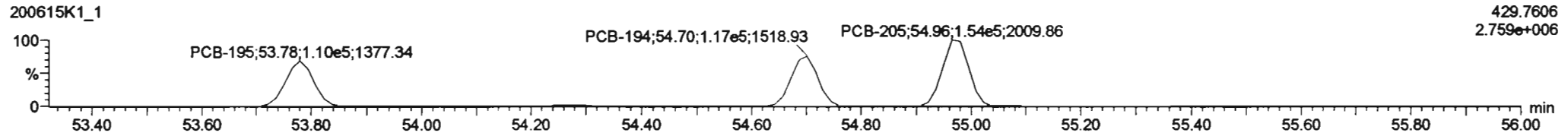
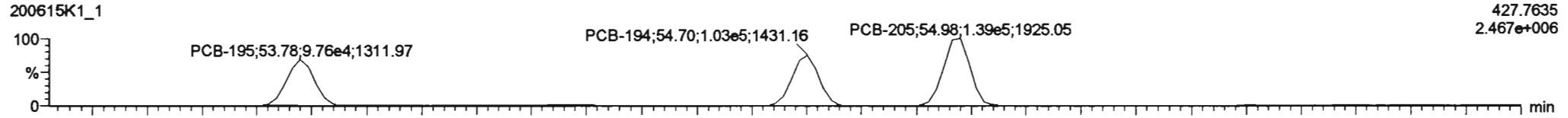


Dataset: Untitled

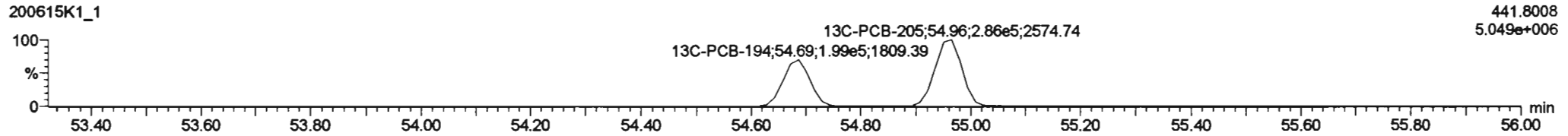
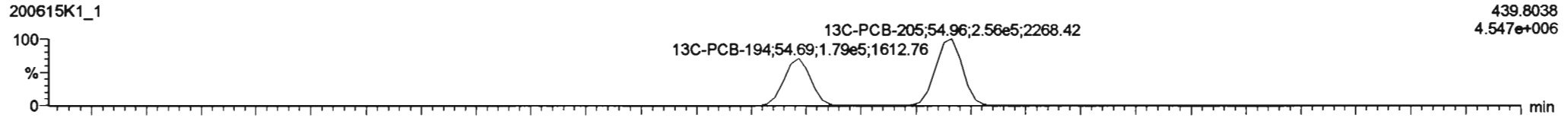
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Printed: Monday, June 15, 2020 15:11:41 Pacific Daylight Time

Name: , Date: , Time: , ID: , Description:

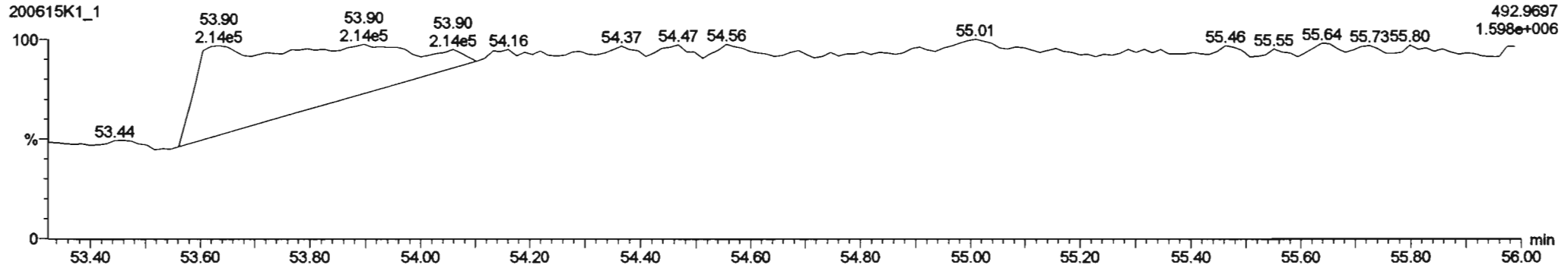
**PCB-195**



**13C-PCB-194**



**PFK5a**

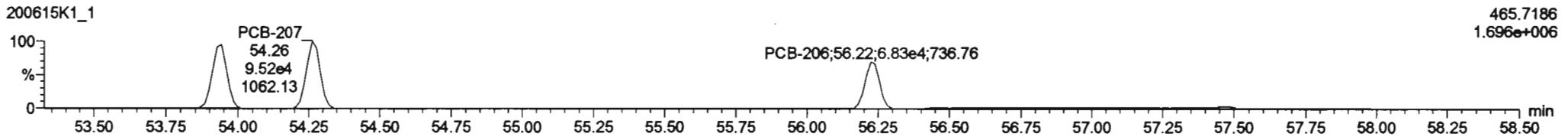
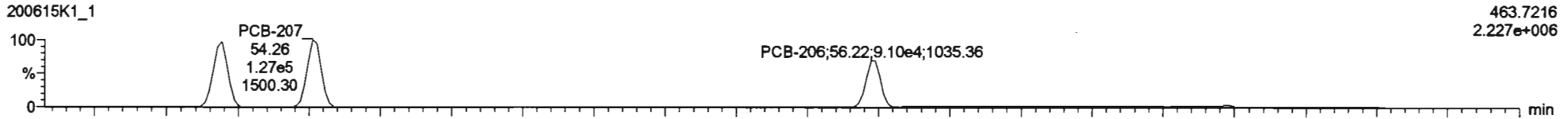


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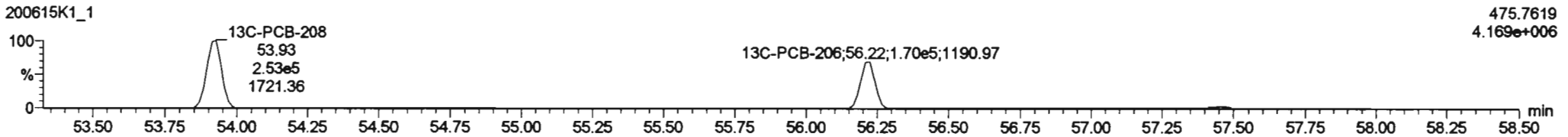
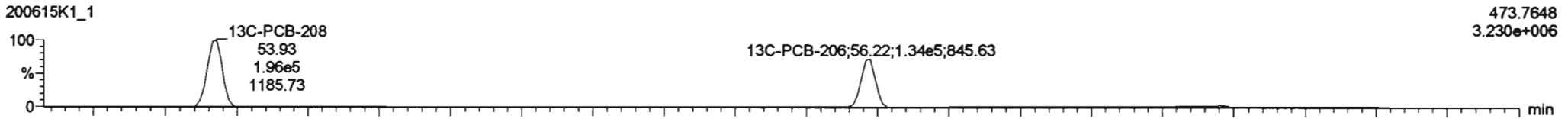
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Printed: Monday, June 15, 2020 15:11:41 Pacific Daylight Time

Name: , Date: , Time: , ID: , Description:

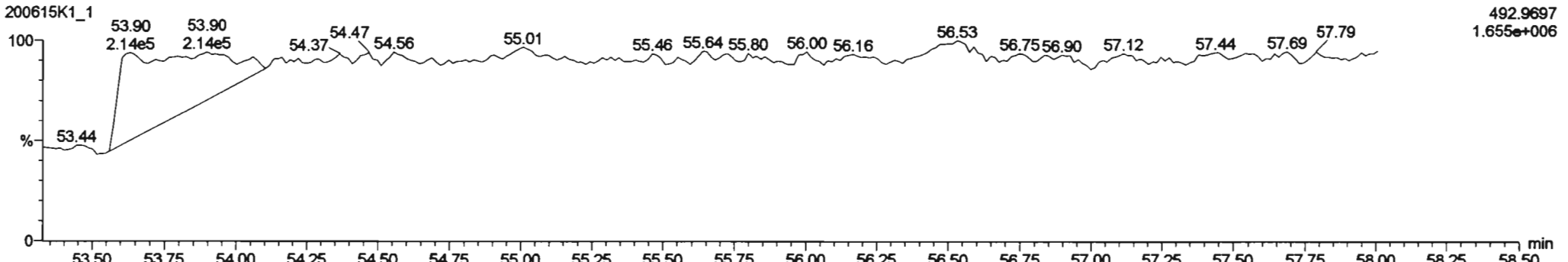
**PCB-208**



**13C-PCB-208**



**PFK5**



Dataset: Untitled

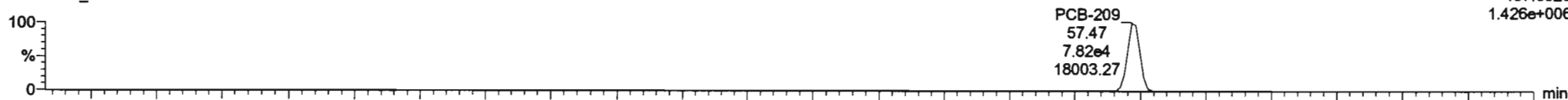
Last Altered: Monday, June 15, 2020 15:11:08 Pacific Daylight Time  
Printed: Monday, June 15, 2020 15:11:41 Pacific Daylight Time

Name: , Date: , Time: , ID: , Description:

**PCB-209**

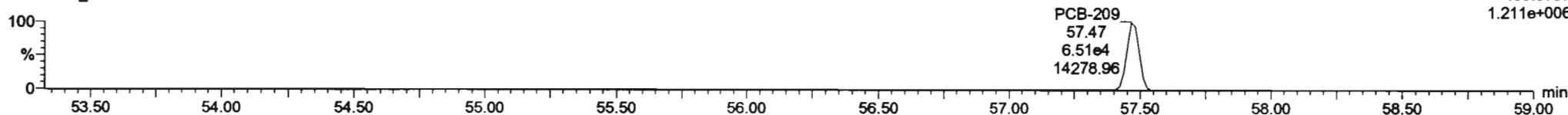
200615K1\_1

497.6826  
1.426e+006



200615K1\_1

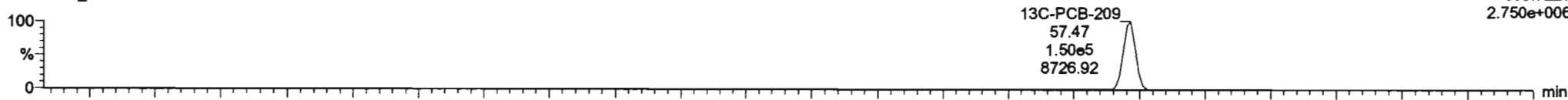
499.6797  
1.211e+006



**13C-PCB-209**

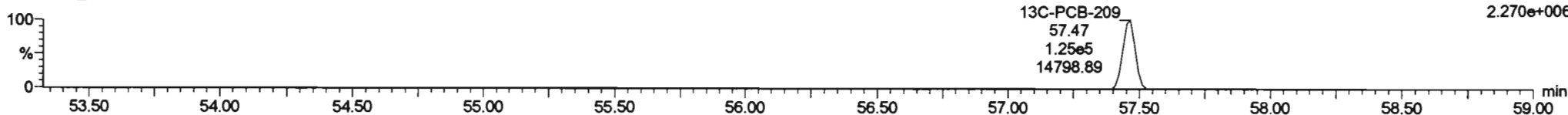
200615K1\_1

509.7229  
2.750e+006



200615K1\_1

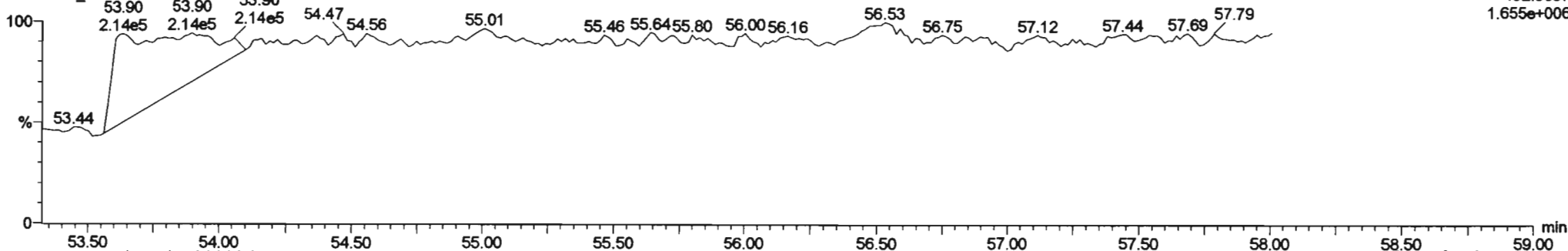
511.7199  
2.270e+006



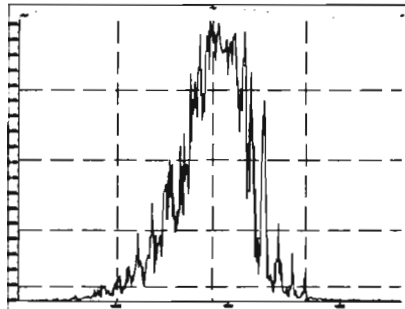
**PFK5b**

200615K1\_1

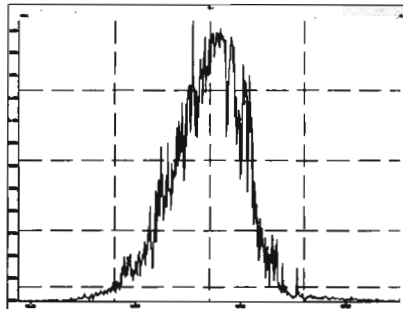
492.9697  
1.655e+006



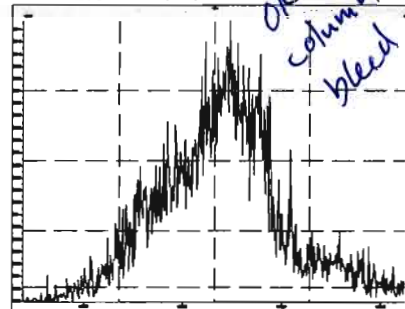
M 168.9888 R 12448



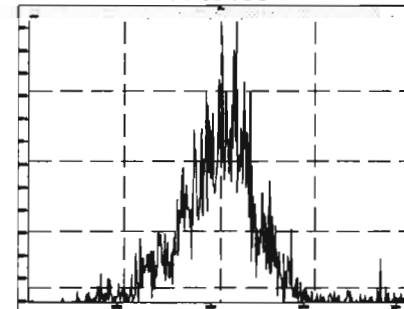
M 180.9888 R 11905



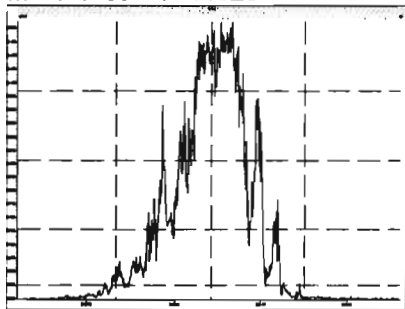
M 192.9888 R 7260



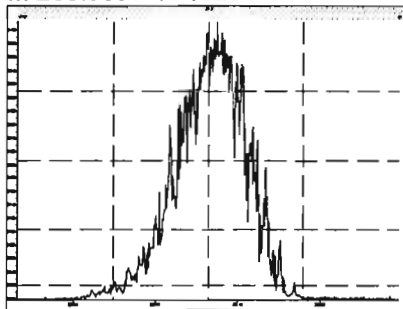
M 204.9888 R 15108



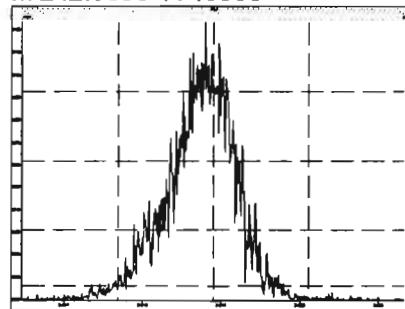
M 218.9856 R 11925



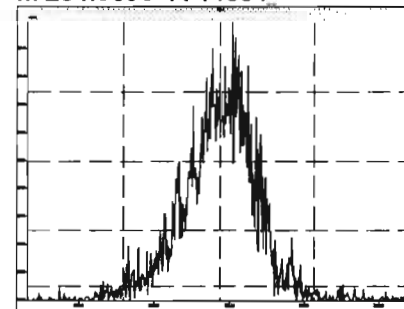
M 230.9856 R 12293



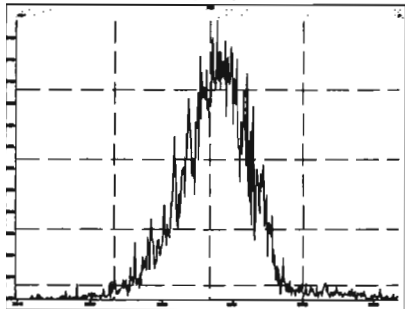
M 242.9856 R 13538



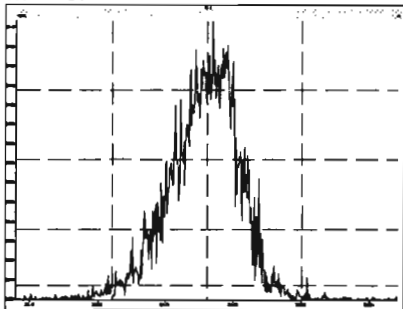
M 254.9856 R 14604



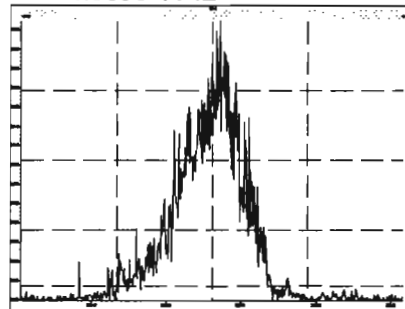
M 268.9824 R 13370



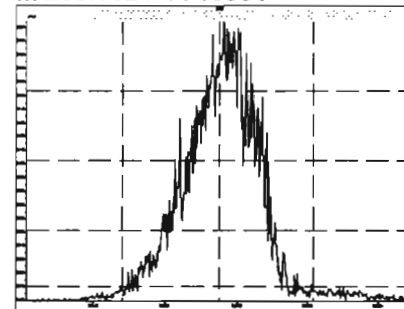
M 280.9824 R 13479



M 254.9856 R 12836

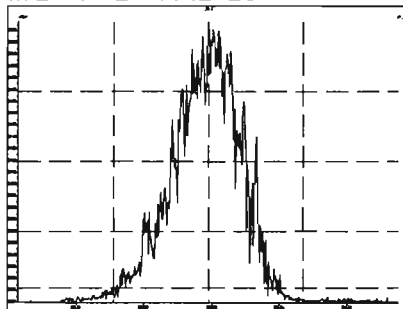


M 268.9824 R 13061

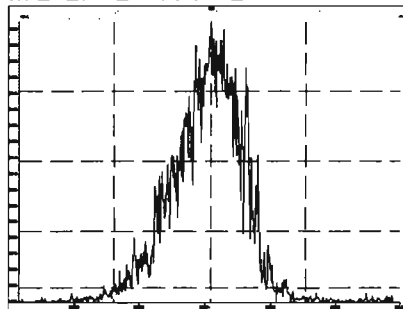


Printed: Tuesday, June 16, 2020 00:11:37 Pacific Daylight Time

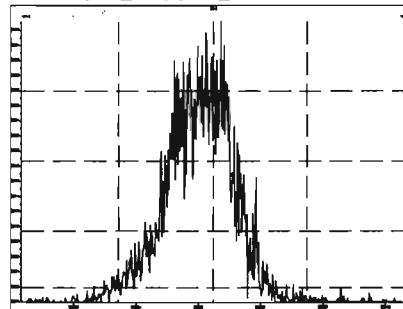
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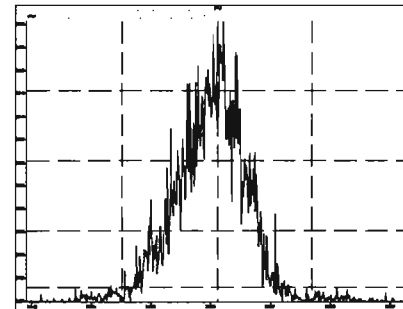
M 292.9824 R 13624



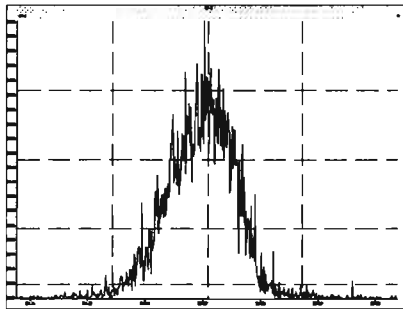
M 304.9824 R 15200



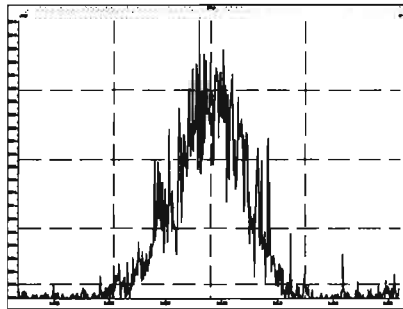
M 318.9792 R 15770



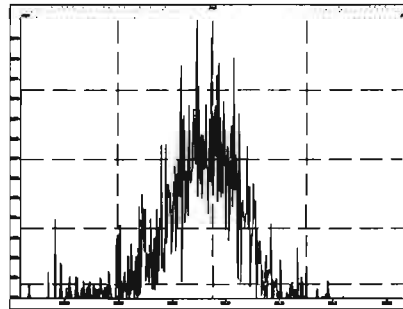
M 330.9792 R 14709



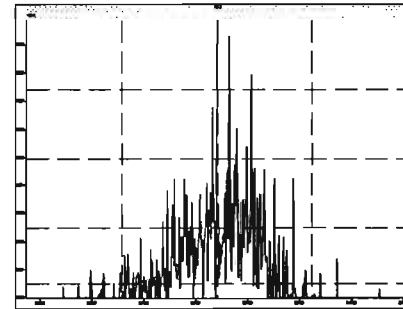
M 342.9792 R 13585



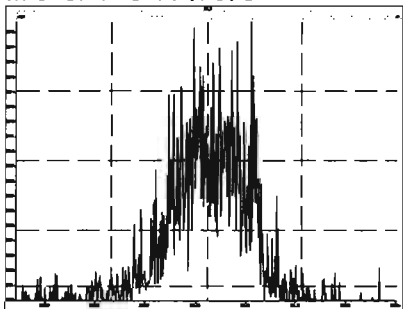
M 354.9792 R 17784



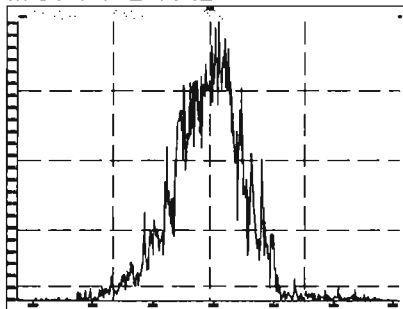
M 366.9792 R 37913



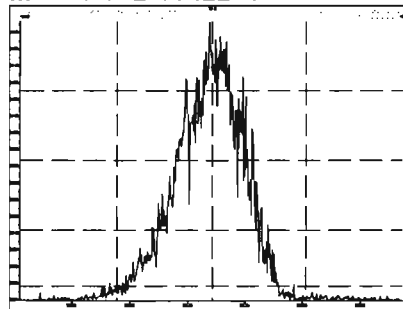
M 380.9760 R 17378



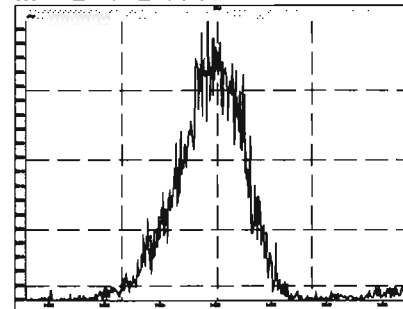
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M 330.9792 R 12261

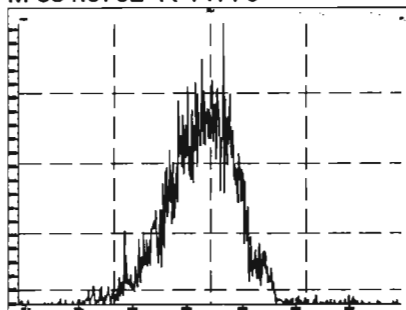


M 342.9792 R 13367

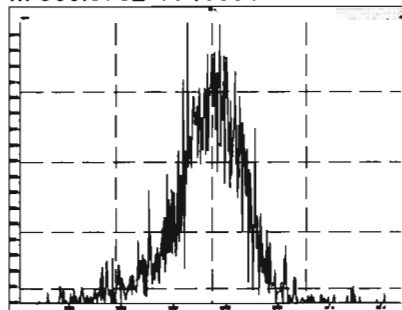


Printed: Tuesday, June 16, 2020 00:11:37 Pacific Daylight Time

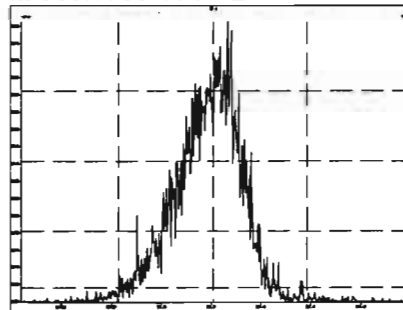
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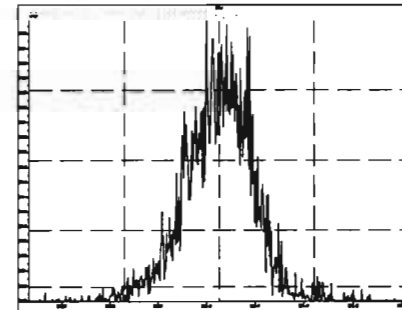
M 366.9792 R 16001



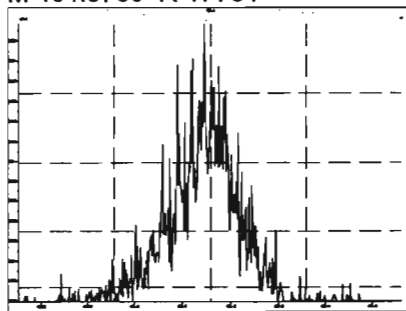
M 380.9760 R 14127



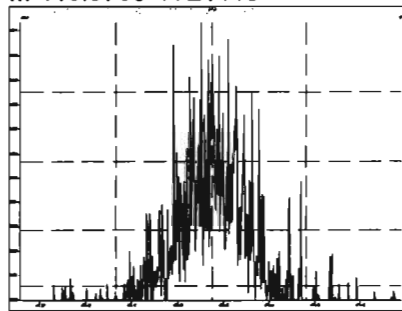
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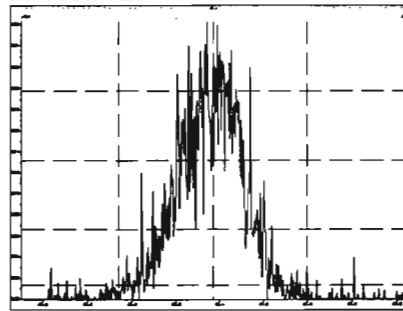
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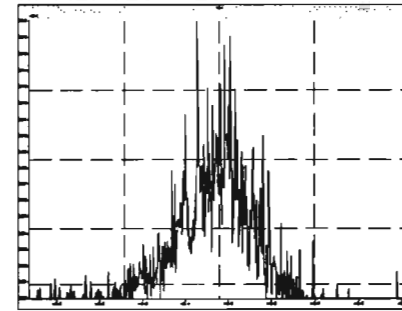
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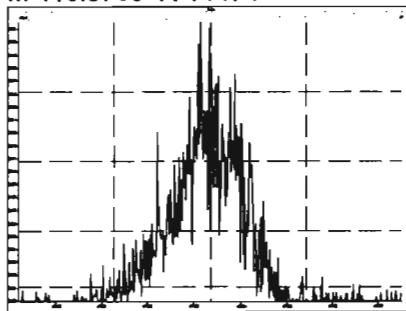
M 430.9728 R 16628



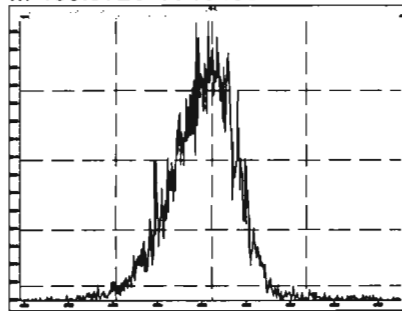
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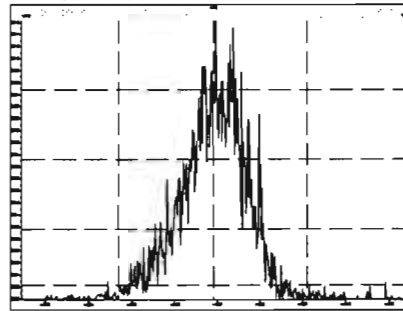
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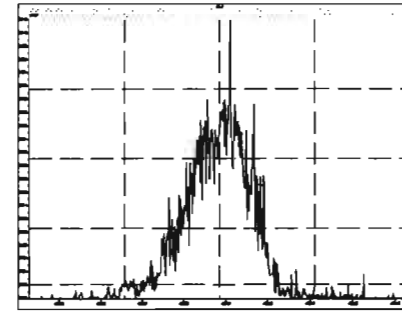
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M 442.9728 R 15677

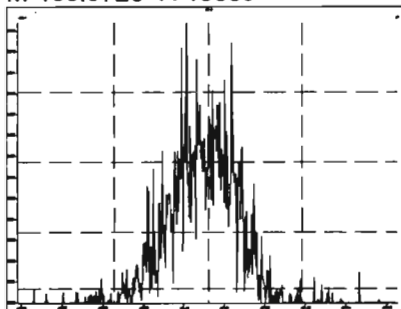


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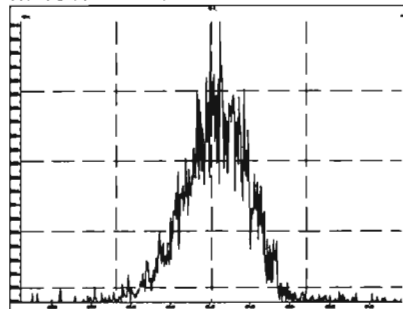


Printed: Tuesday, June 16, 2020 00:11:37 Pacific Daylight Time

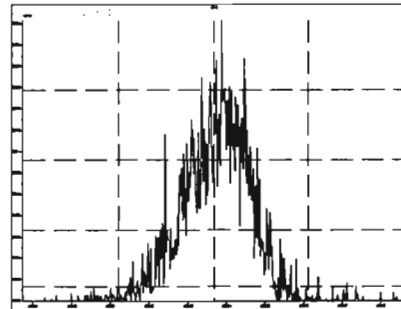
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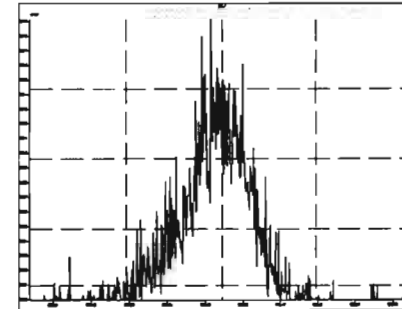
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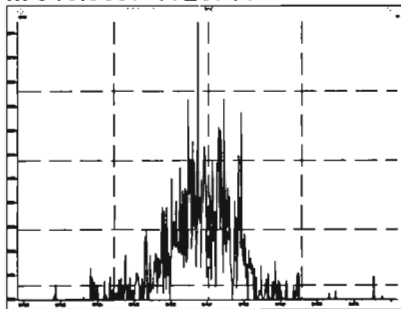
M 492.9696 R 15291



M 504.9696 R 18251



M 516.9697 R 26711



# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

**Beg. Calibration ID:** ST200617K2-1

**Reviewed By:** CT 06/12/2020

*Initials & Date*

**End Calibration ID:** NA

	<u>Beg.</u>	<u>End</u>
<b>Ion abundance within QC limits?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Concentrations within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>TCDD/TCDF Valleys &lt;25%</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>First and last eluters present?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Retention Times within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Verification Std. named correctly?</b> (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Forms signed and dated?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Correct ICAL referenced?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Run Log:</b>		
- <b>Correct Instrument listed?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- <b>Samples within 12 hour clock?</b>	(Y)	N
- <b>Bottle position verified?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Mass resolution ≥**

5k     6-8K     8K     10K  
 1614    1699    429    1613/1668/8280

**Intergrated peaks display correctly?**

**GC Break <20%**

**8280 CS1 End Standard:**

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours

	<u>Beg.</u>	<u>End</u>
<b>Ion abundance within QC limits?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Concentrations within criteria?</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>TCDD/TCDF Valleys &lt;25%</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>First and last eluters present?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Retention Times within criteria?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Verification Std. named correctly?</b> (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Forms signed and dated?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Correct ICAL referenced?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Run Log:</b>		
- <b>Correct Instrument listed?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- <b>Samples within 12 hour clock?</b>	(Y)	N
- <b>Bottle position verified?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Comments:**

ⓐ 1 mass affected by column bleed.



Dataset: U:\VG11.PRO\Results\200617K2\200617K2-2.qld

Last Altered: Thursday, June 18, 2020 07:57:26 Pacific Daylight Time

Printed: Thursday, June 18, 2020 08:24:05 Pacific Daylight Time

*Hz 6-18-2020*

*CT 06/18/2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_6-13-20.mdb 14 Jun 2020 13:31:38  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRP	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	9.83e5	3.14	NO	1.17	1.000	15.53	15.54	1.001	1.002	NO	55.04	110	0.0120	55.04
2	2 PCB-2	9.99e5	3.13	NO	1.18	1.000	17.95	17.95	0.988	0.988	NO	53.55	107	0.0117	53.55
3	3 PCB-3	9.88e5	3.15	NO	1.15	1.000	18.18	18.19	1.001	1.001	NO	54.59	109	0.0121	54.59
4	4 PCB-4/10	1.44e6	1.53	NO	1.25	1.000	19.60	19.60	1.004	1.004	NO	100.8	101	0.0572	100.8
5	5 PCB-7/9	1.78e6	1.54	NO	0.960	1.000	21.41	21.40	1.003	1.002	NO	99.49	99.5	0.0473	99.49
6	6 PCB-6	9.47e5	1.55	NO	1.02	1.000	22.06	22.05	1.033	1.033	NO	49.80	99.6	0.0444	49.80
7	7 PCB-5/8	1.88e6	1.54	NO	0.992	1.000	22.47	22.46	1.052	1.052	NO	102.0	102	0.0458	102.0
8	8 PCB-14	9.82e5	1.55	NO	1.02	1.000	23.60	23.60	0.952	0.951	NO	50.50	101	0.0460	50.50
9	9 PCB-11	1.07e6	1.56	NO	1.13	1.000	24.82	24.82	1.001	1.001	NO	49.58	99.2	0.0415	49.58
10	10 PCB-12/13	2.05e6	1.55	NO	1.03	1.000	25.25	25.20	1.018	1.016	NO	104.2	104	0.0456	104.2
11	11 PCB-15	1.04e6	1.55	NO	1.03	1.000	25.57	25.55	1.031	1.030	NO	52.45	105	0.0452	52.45
12	12 PCB-19	5.33e5	1.03	NO	1.11	1.000	23.79	23.78	1.001	1.001	NO	55.57	111	0.0230	55.57
13	13 PCB-30	8.65e5	1.04	NO	1.79	1.000	24.69	24.69	1.039	1.039	NO	55.65	111	0.0142	55.65
14	14 PCB-18	5.75e5	1.03	NO	0.818	1.000	25.46	25.46	0.952	0.952	NO	55.98	112	0.0214	55.98
15	15 PCB-17	5.43e5	1.03	NO	0.758	1.000	25.64	25.64	0.958	0.958	NO	56.96	114	0.0231	56.96
16	16 PCB-24/27	1.52e6	1.03	NO	1.08	1.000	26.25	26.23	0.981	0.980	NO	111.9	112	0.0162	111.9
17	17 PCB-16/32	1.31e6	1.04	NO	0.925	1.000	26.77	26.76	1.001	1.000	NO	113.0	113	0.0189	113.0
18	18 PCB-34	9.29e5	1.03	NO	0.945	1.000	27.58	27.58	0.959	0.959	NO	56.59	113	0.0219	56.59
19	19 PCB-23	7.98e5	1.05	NO	0.883	1.000	27.67	27.67	0.962	0.962	NO	52.10	104	0.0235	52.10
20	20 PCB-29	8.34e5	1.04	NO	0.893	1.000	27.93	27.93	0.971	0.971	NO	53.82	108	0.0232	53.82
21	21 PCB-26	8.92e5	1.02	NO	0.944	1.000	28.16	28.16	0.979	0.979	NO	54.45	109	0.0219	54.45
22	22 PCB-25	8.93e5	1.04	NO	0.950	1.000	28.31	28.31	0.984	0.984	NO	54.17	108	0.0218	54.17
23	23 PCB-31	1.01e6	1.03	NO	1.04	1.000	28.68	28.68	0.997	0.997	NO	56.27	113	0.0200	56.27
24	24 PCB-28	9.46e5	1.06	NO	1.03	1.000	28.79	28.79	1.001	1.001	NO	53.16	106	0.0202	53.16
25	25 PCB-20/21/33	2.68e6	1.04	NO	0.941	1.000	29.43	29.40	1.023	1.022	NO	164.0	109	0.0220	164.0
26	26 PCB-22	9.23e5	1.03	NO	0.973	1.000	29.87	29.87	1.038	1.038	NO	54.67	109	0.0213	54.67
27	27 PCB-36	9.57e5	1.03	NO	1.08	1.000	30.50	30.50	0.931	0.931	NO	52.94	106	0.0203	52.94
28	28 PCB-39	8.85e5	1.04	NO	0.988	1.000	30.98	30.99	0.946	0.946	NO	53.32	107	0.0221	53.32
29	29 PCB-38	9.27e5	1.03	NO	1.05	1.000	31.78	31.78	0.970	0.970	NO	52.49	105	0.0208	52.49
30	30 PCB-35	9.26e5	1.02	NO	1.04	1.000	32.32	32.33	0.987	0.987	NO	52.81	106	0.0209	52.81
31	31 PCB-37	9.09e5	1.03	NO	1.01	1.000	32.77	32.77	1.001	1.001	NO	53.61	107	0.0217	53.61
32	32 PCB-54	7.36e5	0.77	NO	1.08	1.000	27.62	27.64	1.001	1.001	NO	56.58	113	0.0235	56.58

*75-155*

*4*

Dataset: U:\VG11.PRO\Results\200617K2\200617K2-2.qld

Last Altered: Thursday, June 18, 2020 07:57:26 Pacific Daylight Time  
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Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/vol	Prod RT	RT	Prod R...	RRT	Check RRT	Conc	%Rec	DL	EMPC
33	PCB-50	5.98e5	0.78	NO	0.880	1.000	28.81	28.83	1.044	1.044	NO	56.43	113	0.0289	56.43
34	PCB-53	5.54e5	0.77	NO	0.997	1.000	29.50	29.50	0.944	0.944	NO	57.34	115	0.0321	57.34
35	PCB-51	5.93e5	0.77	NO	1.07	1.000	29.84	29.85	0.955	0.955	NO	57.51	115	0.0300	57.51
36	PCB-45	4.75e5	0.77	NO	0.858	1.000	30.29	30.30	0.969	0.970	NO	57.13	114	0.0373	57.13
37	PCB-46	4.48e5	0.78	NO	0.831	1.000	30.78	30.80	0.985	0.986	NO	55.69	111	0.0385	55.69
38	PCB-52/69	1.30e6	0.76	NO	1.17	1.000	31.28	31.28	1.001	1.001	NO	114.7	115	0.0274	114.7
39	PCB-73	7.66e5	0.79	NO	1.44	1.000	31.40	31.41	1.005	1.005	NO	54.80	110	0.0222	54.80
40	PCB-43/49	1.10e6	0.76	NO	1.02	1.000	31.57	31.58	1.010	1.011	NO	111.5	112	0.0315	111.5
41	PCB-47	5.27e5	0.77	NO	0.922	1.000	31.79	31.80	1.001	1.001	NO	56.04	112	0.0322	56.04
42	PCB-48/75	1.31e6	0.77	NO	1.12	1.000	31.90	31.92	1.004	1.005	NO	114.5	114	0.0265	114.5
43	PCB-65	7.01e5	0.76	NO	1.28	1.000	32.17	32.18	1.013	1.013	NO	53.60	107	0.0232	53.60
44	PCB-62	6.78e5	0.76	NO	1.13	1.000	32.28	32.29	1.016	1.016	NO	58.96	118	0.0263	58.96
45	PCB-44	4.70e5	0.78	NO	0.824	1.000	32.62	32.62	1.027	1.027	NO	55.91	112	0.0360	55.91
46	PCB-42/59	1.20e6	0.79	NO	1.05	1.000	32.85	32.85	1.034	1.034	NO	112.1	112	0.0283	112.1
47	PCB-41/64/71/72	2.76e6	0.77	NO	1.19	1.000	33.45	33.46	1.053	1.053	NO	228.3	114	0.0250	228.3
48	PCB-68	7.28e5	0.78	NO	1.28	1.000	33.70	33.72	1.061	1.061	NO	55.88	112	0.0232	55.88
49	PCB-40	3.61e5	0.76	NO	0.602	1.000	33.93	33.94	1.068	1.069	NO	58.85	118	0.0493	58.85
50	PCB-57	7.68e5	0.78	NO	1.16	1.000	34.31	34.32	0.969	0.970	NO	54.67	109	0.0226	54.67
51	PCB-67	7.26e5	0.77	NO	1.08	1.000	34.62	34.63	0.978	0.978	NO	55.45	111	0.0242	55.45
52	PCB-58	7.89e5	0.79	NO	1.20	1.000	34.74	34.74	0.982	0.982	NO	54.29	109	0.0218	54.29
53	PCB-63	7.07e5	0.77	NO	1.07	1.000	34.90	34.91	0.986	0.986	NO	54.64	109	0.0245	54.64
54	PCB-74	8.02e5	0.77	NO	1.19	1.000	35.20	35.21	0.994	0.995	NO	56.05	112	0.0221	56.05
55	PCB-61/70	1.42e6	0.78	NO	1.05	1.000	35.41	35.34	1.000	0.998	NO	111.5	111	0.0249	111.5
56	PCB-76/66	1.52e6	0.77	NO	1.16	1.000	35.60	35.60	1.006	1.006	NO	108.2	108	0.0225	108.2
57	PCB-80	7.93e5	0.79	NO	1.19	1.000	35.86	35.86	1.001	1.000	NO	53.99	108	0.0203	53.99
58	PCB-55	7.91e5	0.77	NO	1.17	1.000	36.18	36.19	1.010	1.010	NO	54.67	109	0.0206	54.67
59	PCB-56/60	1.38e6	0.76	NO	1.02	1.000	36.70	36.70	1.024	1.024	NO	109.7	110	0.0236	109.7
60	PCB-79	7.55e5	0.77	NO	1.14	1.000	37.80	37.80	1.055	1.054	NO	53.58	107	0.0211	53.58
61	PCB-78	7.29e5	0.77	NO	1.14	1.000	38.52	38.52	0.987	0.987	NO	55.40	111	0.0231	55.40
62	PCB-81	6.52e5	0.77	NO	1.05	1.000	39.06	39.06	1.000	1.000	NO	53.80	108	0.0251	53.80
63	PCB-77	7.02e5	0.77	NO	1.14	1.000	39.68	39.67	1.000	1.000	NO	55.67	111	0.0243	55.67
64	PCB-104	4.18e5	1.60	NO	1.12	1.000	32.46	32.47	1.001	1.001	NO	56.94	114	0.0230	56.94
65	PCB-96	4.30e5	1.59	NO	1.15	1.000	33.78	33.78	1.041	1.041	NO	57.07	114	0.0223	57.07
66	PCB-103	3.42e5	1.62	NO	0.936	1.000	34.34	34.33	1.059	1.059	NO	55.92	112	0.0275	55.92
67	PCB-100	3.49e5	1.58	NO	0.954	1.000	34.69	34.69	1.069	1.069	NO	55.96	112	0.0270	55.96
68	PCB-94	2.68e5	1.59	NO	0.949	1.000	35.19	35.19	0.985	0.985	NO	54.24	108	0.0339	54.24

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Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R.	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	1.08e6	1.58	NO	1.20	1.000	35.67	35.66	0.999	0.998	NO	172.0	115	0.0267	172.0
70	70 PCB-93	2.45e5	1.61	NO	0.935	1.000	35.79	35.81	1.002	1.003	NO	50.26	101	0.0344	50.26
71	71 PCB-88/91	5.71e5	1.57	NO	1.06	1.000	36.14	36.14	1.012	1.012	NO	102.9	103	0.0302	102.9
72	72 PCB-121	5.26e5	1.57	NO	1.71	1.000	36.23	36.23	1.015	1.015	NO	58.99	118	0.0188	58.99
73	73 PCB-84/92	5.74e5	1.58	NO	1.02	1.000	37.10	37.09	0.990	0.990	NO	110.8	111	0.0322	110.8
74	74 PCB-89	3.18e5	1.60	NO	1.11	1.000	37.27	37.28	0.995	0.995	NO	56.52	113	0.0297	56.52
75	75 PCB-90/101	6.27e5	1.60	NO	1.12	1.000	37.48	37.46	1.000	1.000	NO	109.7	110	0.0292	109.7
76	76 PCB-113	4.47e5	1.61	NO	1.51	1.000	37.72	37.72	1.007	1.007	NO	57.97	116	0.0217	57.97
77	77 PCB-99	3.39e5	1.59	NO	1.32	1.000	37.81	37.81	1.009	1.009	NO	50.38	101	0.0248	50.38
78	78 PCB-119	4.32e5	1.58	NO	1.81	1.000	38.30	38.30	0.987	0.987	NO	53.82	108	0.0207	53.82
79	79 PCB-108/112	7.18e5	1.60	NO	1.44	1.000	38.46	38.45	0.991	0.991	NO	111.7	112	0.0258	111.7
80	80 PCB-83	4.51e5	1.58	NO	1.83	1.000	38.61	38.61	0.995	0.995	NO	55.36	111	0.0204	55.36
81	81 PCB-97	3.08e5	1.57	NO	1.28	1.000	38.82	38.82	1.000	1.000	NO	54.04	108	0.0291	54.03
82	82 PCB-86	3.10e5	1.58	NO	1.12	1.000	38.97	38.97	1.004	1.004	NO	62.45	125	0.0334	62.45
83	83 PCB-87/117/125	1.14e6	1.61	NO	1.56	1.000	39.12	39.10	1.008	1.008	NO	164.7	110	0.0239	164.7
84	84 PCB-111/115	8.85e5	1.57	NO	1.91	1.000	39.27	39.27	1.012	1.012	NO	104.0	104	0.0195	104.0
85	85 PCB-85/116	7.26e5	1.60	NO	1.41	1.000	39.40	39.40	1.015	1.015	NO	115.7	116	0.0264	115.7
86	86 PCB-120	4.85e5	1.58	NO	2.01	1.000	39.66	39.66	1.022	1.022	NO	54.37	109	0.0186	54.37
87	87 PCB-110	4.16e5	1.61	NO	1.74	1.000	39.79	39.79	1.026	1.025	NO	53.62	107	0.0214	53.62
88	88 PCB-82	2.56e5	1.54	NO	0.781	1.000	40.44	40.44	0.976	0.976	NO	57.04	114	0.0373	57.04
89	89 PCB-124	4.29e5	1.58	NO	1.40	1.000	41.15	41.15	0.993	0.993	NO	53.43	107	0.0208	53.43
90	90 PCB-107/109	8.89e5	1.61	NO	1.34	1.000	41.29	41.29	0.996	0.996	NO	115.4	115	0.0217	115.4
91	91 PCB-123	3.92e5	1.60	NO	1.20	1.000	41.46	41.46	1.000	1.000	NO	56.92	114	0.0243	56.92
92	92 PCB-106/118	8.25e5	1.60	NO	1.22	1.000	41.67	41.69	1.001	1.001	NO	111.4	111	0.0233	111.4
93	93 PCB-114	6.58e5	1.56	NO	1.14	1.000	42.33	42.32	1.000	1.000	NO	51.00	102	0.0258	51.00
94	94 PCB-122	5.92e5	1.59	NO	0.944	1.000	42.47	42.47	1.004	1.004	NO	55.45	111	0.0312	55.45
95	95 PCB-105	6.32e5	1.56	NO	1.05	1.000	43.21	43.23	1.000	1.001	NO	53.24	106	0.0287	53.24
96	96 PCB-127	6.66e5	1.58	NO	1.06	1.000	43.57	43.57	1.000	1.000	NO	53.70	107	0.0272	53.70
97	97 PCB-126	6.68e5	1.55	NO	1.17	1.000	45.52	45.53	1.000	1.000	NO	53.26	107	0.0264	53.26
98	98 PCB-155	1.86e5	1.33	NO	1.04	1.000	36.99	36.99	1.000	1.000	NO	53.31	107	0.0134	53.31
99	99 PCB-150	1.98e5	1.32	NO	1.08	1.000	38.32	38.32	1.036	1.036	NO	54.64	109	0.0129	54.64
100	1... PCB-152	2.16e5	1.33	NO	1.19	1.000	38.80	38.80	1.049	1.049	NO	54.47	109	0.0118	54.47
101	1... PCB-145	2.14e5	1.30	NO	1.19	1.000	39.27	39.27	1.062	1.062	NO	53.67	107	0.0118	53.67
102	1... PCB-136	1.93e5	1.30	NO	1.02	1.000	39.60	39.60	1.071	1.071	NO	56.52	113	0.0137	56.52
103	1... PCB-148	1.41e5	1.32	NO	0.842	1.000	39.71	39.71	1.074	1.074	NO	49.98	100	0.0166	49.98
104	1... PCB-154	1.62e5	1.32	NO	0.919	1.000	40.22	40.22	1.088	1.088	NO	52.63	105	0.0152	52.63

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Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	rv	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	Check.RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	1.40e5	1.30	NO	0.787	1.000	40.88	40.87	1.105	1.105	NO	53.00	106	0.0178	53.00
106	1... PCB-135	1.51e5	1.32	NO	0.922	1.000	41.09	41.09	1.111	1.111	NO	48.91	97.8	0.0152	48.91
107	1... PCB-144	1.50e5	1.33	NO	0.789	1.000	41.20	41.20	1.114	1.114	NO	56.88	114	0.0177	56.88
108	1... PCB-147	1.45e5	1.34	NO	0.834	1.000	41.33	41.35	1.118	1.118	NO	51.99	104	0.0167	51.99
109	1... PCB-139/149	3.20e5	1.30	NO	0.948	1.000	41.62	41.61	1.125	1.125	NO	100.7	101	0.0147	100.7
110	1... PCB-140	1.41e5	1.34	NO	0.794	1.000	41.80	41.81	1.130	1.131	NO	53.07	106	0.0176	53.06
111	1... PCB-134/143	7.63e5	1.24	NO	0.759	1.000	42.28	42.27	0.975	0.975	NO	112.6	113	0.0586	112.6
112	1... PCB-131/133	8.19e5	1.24	NO	0.821	1.000	42.58	42.57	0.982	0.982	NO	111.7	112	0.0542	111.7
113	1... PCB-142	3.68e5	1.23	NO	0.754	1.000	42.72	42.72	0.985	0.985	NO	54.61	109	0.0590	54.61
114	1... PCB-146/165	9.90e5	1.24	NO	1.02	1.000	42.97	42.97	0.991	0.991	NO	109.1	109	0.0437	109.1
115	1... PCB-132/161	9.89e5	1.22	NO	1.02	1.000	43.20	43.19	0.996	0.996	NO	108.2	108	0.0434	108.2
116	1... PCB-153	4.95e5	1.21	NO	1.07	1.000	43.38	43.38	1.000	1.000	NO	51.77	104	0.0415	51.77
117	1... PCB-168	5.22e5	1.23	NO	1.08	1.000	43.61	43.61	1.006	1.006	NO	54.25	108	0.0413	54.25
118	1... PCB-141	4.20e5	1.24	NO	1.03	1.000	44.14	44.16	1.000	1.001	NO	54.65	109	0.0529	54.65
119	1... PCB-137	4.22e5	1.22	NO	1.11	1.000	44.54	44.54	1.010	1.009	NO	50.72	101	0.0489	50.72
120	1... PCB-130	3.70e5	1.23	NO	0.885	1.000	44.64	44.65	1.012	1.012	NO	55.82	112	0.0613	55.82
121	1... PCB-138/163/164	1.60e6	1.25	NO	1.28	1.000	45.03	45.05	1.001	1.001	NO	164.3	110	0.0418	164.3
122	1... PCB-158/160	1.03e6	1.20	NO	1.24	1.000	45.28	45.28	1.006	1.006	NO	109.8	110	0.0433	109.8
123	1... PCB-129	3.50e5	1.23	NO	0.867	1.000	45.54	45.54	1.012	1.012	NO	53.12	106	0.0620	53.12
124	1... PCB-166	5.76e5	1.24	NO	1.14	1.000	46.01	46.00	0.993	0.993	NO	54.52	109	0.0377	54.52
125	1... PCB-159	6.20e5	1.25	NO	1.22	1.000	46.34	46.34	1.000	1.000	NO	55.20	110	0.0354	55.20
126	1... PCB-128/162	9.36e5	1.25	NO	0.907	1.000	46.63	46.64	1.007	1.007	NO	111.6	112	0.0474	111.6
127	1... PCB-167	5.59e5	1.26	NO	1.11	1.000	47.04	47.04	1.000	1.000	NO	54.38	109	0.0402	54.38
128	1... PCB-156	5.54e5	1.25	NO	1.13	1.000	48.39	48.39	1.000	1.000	NO	54.63	109	0.0413	54.63
129	1... PCB-157	5.08e5	1.25	NO	1.04	1.000	48.67	48.65	1.001	1.000	NO	54.91	110	0.0438	54.91
130	1... PCB-169	5.38e5	1.23	NO	1.16	1.000	50.93	50.92	1.000	1.000	NO	54.01	108	0.0425	54.01
131	1... PCB-188	4.35e5	1.03	NO	1.29	1.000	43.03	43.01	1.001	1.000	NO	54.14	108	0.0338	54.14
132	1... PCB-184	4.18e5	1.03	NO	1.23	1.000	43.46	43.48	1.011	1.012	NO	54.55	109	0.0354	54.55
133	1... PCB-179	4.30e5	1.04	NO	1.30	1.000	44.28	44.28	1.030	1.030	NO	53.17	106	0.0336	53.17
134	1... PCB-176	4.30e5	1.04	NO	1.31	1.000	44.74	44.75	1.041	1.041	NO	52.76	106	0.0333	52.76
135	1... PCB-186	4.59e5	1.06	NO	1.33	1.000	45.37	45.37	1.055	1.056	NO	55.48	111	0.0328	55.48
136	1... PCB-178	3.12e5	1.06	NO	0.943	1.000	45.89	45.88	1.067	1.067	NO	53.05	106	0.0462	53.05
137	1... PCB-175	3.16e5	1.03	NO	0.956	1.000	46.24	46.24	1.076	1.076	NO	53.01	106	0.0456	53.01
138	1... PCB-182/187	7.15e5	1.05	NO	1.07	1.000	46.42	46.44	1.080	1.080	NO	107.7	108	0.0409	107.7
139	1... PCB-183	3.43e5	1.03	NO	1.02	1.000	46.76	46.76	1.088	1.088	NO	53.80	108	0.0426	53.80
140	1... PCB-185	3.18e5	1.05	NO	1.41	1.000	47.44	47.44	0.955	0.955	NO	55.17	110	0.0485	55.17

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	2.91e5	1.04	NO	1.35	1.000	47.83	47.82	0.962	0.962	NO	52.35	105	0.0504	52.35
142	1... PCB-181	3.51e5	1.05	NO	1.47	1.000	47.91	47.91	0.964	0.964	NO	57.99	116	0.0462	57.99
143	1... PCB-177	2.87e5	1.04	NO	1.28	1.000	48.08	48.08	0.968	0.968	NO	54.71	109	0.0534	54.71
144	1... PCB-171	2.95e5	1.03	NO	1.32	1.000	48.38	48.39	0.974	0.974	NO	54.70	109	0.0518	54.70
145	1... PCB-173	2.71e5	1.06	NO	1.19	1.000	48.82	48.82	0.983	0.983	NO	55.52	111	0.0573	55.52
146	1... PCB-172	3.07e5	1.06	NO	1.38	1.000	49.30	49.29	0.992	0.992	NO	54.50	109	0.0496	54.50
147	1... PCB-192	4.00e5	1.06	NO	1.83	1.000	49.48	49.49	0.996	0.996	NO	53.44	107	0.0373	53.44
148	1... PCB-180	3.11e5	1.04	NO	1.41	1.000	49.71	49.71	1.000	1.000	NO	53.81	108	0.0483	53.81
149	1... PCB-193	3.65e5	1.05	NO	1.68	1.000	49.92	49.92	1.005	1.005	NO	53.09	106	0.0407	53.09
150	1... PCB-191	3.73e5	1.07	NO	1.71	1.000	50.19	50.19	1.010	1.010	NO	53.21	106	0.0399	53.21
151	1... PCB-170	2.70e5	1.04	NO	1.40	1.000	51.38	51.38	1.000	1.000	NO	54.69	109	0.0577	54.69
152	1... PCB-190	3.58e5	1.07	NO	1.85	1.000	51.57	51.57	1.004	1.004	NO	54.92	110	0.0437	54.92
153	1... PCB-189	3.63e5	1.07	NO	1.45	1.000	53.11	53.08	1.000	1.000	NO	54.07	108	0.0380	54.07
154	1... PCB-202	2.43e5	0.90	NO	1.17	1.000	48.61	48.59	1.001	1.000	NO	53.48	107	0.0195	53.48
155	1... PCB-201	2.24e5	0.89	NO	1.05	1.000	49.10	49.11	1.011	1.011	NO	54.73	109	0.0216	54.73
156	1... PCB-204	2.36e5	0.92	NO	1.14	1.000	49.25	49.26	1.014	1.014	NO	53.28	107	0.0200	53.28
157	1... PCB-197	2.36e5	0.94	NO	1.13	1.000	49.57	49.58	1.020	1.021	NO	53.69	107	0.0201	53.69
158	1... PCB-200	2.30e5	0.91	NO	1.07	1.000	50.50	50.51	1.040	1.040	NO	55.37	111	0.0213	55.37
159	1... PCB-198	1.78e5	0.90	NO	0.794	1.000	52.08	52.06	1.072	1.072	NO	57.87	116	0.0287	57.87
160	1... PCB-199	1.69e5	0.92	NO	0.809	1.000	52.18	52.19	1.074	1.074	NO	53.71	107	0.0281	53.71
161	1... PCB-196/203	3.66e5	0.90	NO	0.838	1.000	52.50	52.50	1.081	1.081	NO	112.3	112	0.0272	112.3
162	1... PCB-195	3.52e5	0.89	NO	1.04	1.000	53.80	53.79	0.984	0.983	NO	51.00	102	0.0427	51.00
163	1... PCB-194	3.90e5	0.89	NO	1.12	1.000	54.72	54.72	1.000	1.000	NO	52.79	106	0.0399	52.79
164	1... PCB-205	4.81e5	0.89	NO	1.29	1.000	54.98	54.98	1.005	1.005	NO	56.38	113	0.0346	56.38
165	1... PCB-208	3.96e5	1.32	NO	0.933	1.000	53.94	53.94	1.000	1.000	NO	53.35	107	0.0588	53.35
166	1... PCB-207	3.93e5	1.37	NO	0.916	1.000	54.26	54.28	1.006	1.007	NO	53.85	108	0.0599	53.85
167	1... PCB-206	2.97e5	1.31	NO	1.01	1.000	56.24	56.24	1.000	1.000	NO	52.63	105	0.0733	52.63
168	1... PCB-209	2.65e5	1.22	NO	0.986	1.000	57.47	57.48	1.000	1.000	NO	53.71	107	0.0103	53.71
169	1... 13C-PCB-1	1.53e6	3.30	NO	0.893	1.000	15.52	15.52	0.608	0.608	NO	85.29	85.3	0.0423	
170	1... 13C-PCB-3	1.58e6	3.35	NO	0.911	1.000	18.17	18.17	0.712	0.712	NO	86.29	86.3	0.0414	
171	1... 13C-PCB-4	1.14e6	1.59	NO	0.600	1.000	19.52	19.52	0.765	0.765	NO	95.05	95.0	0.0373	
172	1... 13C-PCB-9	1.86e6	1.58	NO	0.970	1.000	21.35	21.35	0.836	0.836	NO	95.54	95.5	0.0231	
173	1... 13C-PCB-11	1.91e6	1.59	NO	0.962	1.000	24.79	24.80	0.971	0.972	NO	99.12	99.1	0.0232	
174	1... 13C-PCB-19	8.67e5	1.05	NO	0.499	1.000	23.76	23.76	0.931	0.931	NO	86.59	86.6	0.346	
175	1... 13C-PCB-32	1.26e6	1.05	NO	0.744	1.000	26.75	26.75	1.048	1.048	NO	84.22	84.2	0.232	
176	1... 13C-PCB-28	1.74e6	1.05	NO	1.06	1.000	28.77	28.77	1.004	1.004	NO	91.44	91.4	0.272	

Dataset: U:\VG11.PRO\Results\200617K2\200617K2-2.qld

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#	Name	Resp	RA	n/y	RRF	wt/Vol	Prod.RT	RT	Prod.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	1.68e6	1.02	NO	0.989	1.000	32.75	32.75	1.143	1.143	NO	95.21	95.2	0.293	
178	1... 13C-PCB-54	1.20e6	0.79	NO	0.999	1.000	27.62	27.60	0.753	0.752	NO	100.7	101	0.0621	
179	1... 13C-PCB-52	9.68e5	0.78	NO	0.804	1.000	31.26	31.25	0.852	0.852	NO	100.6	101	0.0772	
180	1... 13C-PCB-47	1.02e6	0.77	NO	0.857	1.000	31.77	31.77	0.866	0.866	NO	99.37	99.4	0.0724	
181	1... 13C-PCB-70	1.21e6	0.80	NO	0.996	1.000	35.41	35.40	0.965	0.965	NO	101.3	101	0.0624	
182	1... 13C-PCB-80	1.24e6	0.79	NO	1.03	1.000	35.84	35.84	0.977	0.977	NO	100.6	101	0.0604	
183	1... 13C-PCB-81	1.16e6	0.79	NO	0.988	1.000	39.04	39.04	1.064	1.064	NO	97.90	97.9	0.0629	
184	1... 13C-PCB-77	1.11e6	0.81	NO	0.969	1.000	39.66	39.66	1.081	1.081	NO	95.64	95.6	0.0641	
185	1... 13C-PCB-104	6.54e5	1.64	NO	1.02	1.000	32.46	32.44	0.827	0.826	NO	101.2	101	0.0427	
186	1... 13C-PCB-95	5.21e5	1.64	NO	0.805	1.000	35.71	35.71	0.910	0.910	NO	101.9	102	0.0540	
187	1... 13C-PCB-101	5.09e5	1.59	NO	0.793	1.000	37.46	37.46	0.954	0.955	NO	101.1	101	0.0548	
188	1... 13C-PCB-97	4.45e5	1.65	NO	0.696	1.000	38.80	38.80	0.989	0.989	NO	100.6	101	0.0624	
189	1... 13C-PCB-123	5.74e5	1.62	NO	0.933	1.000	41.44	41.44	1.056	1.056	NO	96.93	96.9	0.0466	
190	1... 13C-PCB-118	6.07e5	1.63	NO	0.986	1.000	41.63	41.63	1.061	1.061	NO	97.02	97.0	0.0441	
191	1... 13C-PCB-114	1.13e6	1.60	NO	1.55	1.000	42.30	42.31	0.908	0.908	NO	110.6	111	0.0446	
192	1... 13C-PCB-105	1.13e6	1.57	NO	1.57	1.000	43.19	43.19	0.927	0.927	NO	108.7	109	0.0439	
193	1... 13C-PCB-127	1.17e6	1.58	NO	1.62	1.000	43.55	43.56	0.934	0.935	NO	109.1	109	0.0425	
194	1... 13C-PCB-126	1.07e6	1.59	NO	1.57	1.000	45.51	45.51	0.976	0.976	NO	103.2	103	0.0440	
195	1... 13C-PCB-155	3.35e5	1.27	NO	0.615	1.000	36.98	36.98	0.942	0.942	NO	85.77	85.8	0.0260	
196	1... 13C-PCB-153	8.93e5	1.28	NO	1.36	1.000	43.36	43.37	0.930	0.930	NO	99.01	99.0	0.0646	
197	1... 13C-PCB-141	7.49e5	1.30	NO	1.13	1.000	44.13	44.12	0.947	0.947	NO	100.5	101	0.0782	
198	1... 13C-PCB-138	7.60e5	1.29	NO	1.18	1.000	44.99	44.99	0.965	0.965	NO	97.04	97.0	0.0745	
199	1... 13C-PCB-159	9.24e5	1.28	NO	1.44	1.000	46.32	46.32	0.994	0.994	NO	97.15	97.1	0.0613	
200	2... 13C-PCB-167	9.27e5	1.28	NO	1.44	1.000	47.02	47.02	1.009	1.009	NO	97.40	97.4	0.0613	
201	2... 13C-PCB-156	9.00e5	1.28	NO	1.40	1.000	48.34	48.37	1.037	1.038	NO	97.52	97.5	0.0632	
202	2... 13C-PCB-157	8.91e5	1.28	NO	1.40	1.000	48.63	48.63	1.043	1.043	NO	96.50	96.5	0.0632	
203	2... 13C-PCB-169	8.59e5	1.28	NO	1.33	1.000	50.91	50.91	1.092	1.092	NO	97.73	97.7	0.0663	
204	2... 13C-PCB-188	6.23e5	0.44	NO	1.41	1.000	42.98	42.99	0.926	0.926	NO	100.6	101	0.0499	
205	2... 13C-PCB-180	4.10e5	0.46	NO	0.929	1.000	49.67	49.69	1.070	1.071	NO	100.5	101	0.0757	
206	2... 13C-PCB-170	3.52e5	0.46	NO	0.794	1.000	51.35	51.36	1.106	1.107	NO	101.0	101	0.0885	
207	2... 13C-PCB-189	4.62e5	0.46	NO	1.04	1.000	53.09	53.08	1.144	1.144	NO	100.7	101	0.0673	
208	2... 13C-PCB-202	3.88e5	0.92	NO	1.04	1.000	48.57	48.58	1.046	1.046	NO	85.39	85.4	0.0434	
209	2... 13C-PCB-194	6.61e5	0.91	NO	0.768	1.000	54.71	54.70	0.995	0.995	NO	93.42	93.4	0.104	
210	2... 13C-PCB-208	7.96e5	0.78	NO	0.991	1.000	53.93	53.93	0.981	0.981	NO	87.11	87.1	0.0768	
211	2... 13C-PCB-206	5.59e5	0.79	NO	0.552	1.000	56.22	56.22	1.023	1.023	NO	109.9	110	0.138	
212	2... 13C-PCB-209	5.01e5	1.19	NO	0.396	1.000	57.48	57.47	1.046	1.046	NO	137.0	137	0.0183	

9-MSA

Dataset: U:\VG11.PRO\Results\200617K2\200617K2-2.qld

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Printed: Thursday, June 18, 2020 08:24:05 Pacific Daylight Time

Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	2.01e6	1.58	NO	1.00	1.000	25.51	25.53	1.000	0.000	NO	100.0	100	0.0224	
214	2... 13C-PCB-31	1.78e6	1.03	NO	1.00	1.000	28.64	28.66	1.000	0.000	NO	100.0	100	0.289	
215	2... 13C-PCB-60	1.20e6	0.79	NO	1.00	1.000	36.66	36.68	1.000	0.000	NO	100.0	100	0.0621	
216	2... 13C-PCB-111	6.35e5	1.62	NO	1.00	1.000	39.23	39.25	1.000	0.000	NO	100.0	100	0.0435	
217	2... 13C-PCB-128	6.61e5	1.25	NO	1.00	1.000	46.59	46.60	1.000	0.000	NO	100.0	100	0.0882	
218	2... 13C-PCB-182	4.39e5	0.46	NO	1.00	1.000	46.40	46.42	0.000	0.000	NO	100.0	100	0.0703	
219	2... 13C-PCB-205	9.22e5	0.93	NO	1.00	1.000	54.97	54.97	1.000	0.000	NO	100.0	100	0.0798	
220	2... 13C-PCB-79	1.26e6	0.80	NO	1.07	1.000	37.78	37.78	1.030	1.030	NO	98.7	98.7	0.0581	
221	2... 13C-PCB-178	4.20e5	0.46	NO	0.766	1.000	45.86	45.87	0.988	0.988	NO	83.01	83.0	0.0588	
222	2... 13C-PCB-79	1.26e6	0.80	NO	1.08	1.000	37.78	37.78	0.968	0.968	NO	100.6	101	0.0584	
223	2... 13C-PCB-178	4.20e5	0.46	NO	1.05	1.000	45.87	45.87	0.923	0.923	NO	97.57	97.6	0.0713	

75-125  
J

Dataset: Untitled

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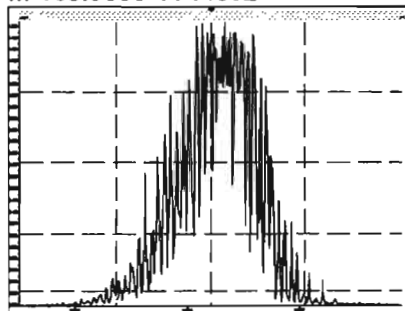
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200617K2_3	SOLVENT BLANK	18-Jun-20	02:35:27
200617K2_4	2000962-02RE1@20X PDI-149SC-A-00-01-20...	18-Jun-20	03:34:41
200617K2_5	2000977-01RE1@10X PDI-153SC-A-00-01-20...	18-Jun-20	04:35:09
200617K2_6	2000967-01RE1@10X PDI-148SC-A-00-01-20...	18-Jun-20	05:35:36
200617K2_7	2000968-02RE1@10X PDI-163SC-A-00-01-20...	18-Jun-20	06:37:43
200617K2_8	2001154-03 PDI-174SC-A-00-01-200521 10	18-Jun-20	07:38:06
200617K2_9	2001156-01 PDI-175SC-A-00-01-200522 10	18-Jun-20	08:37:21

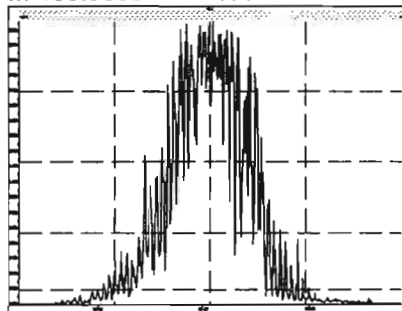


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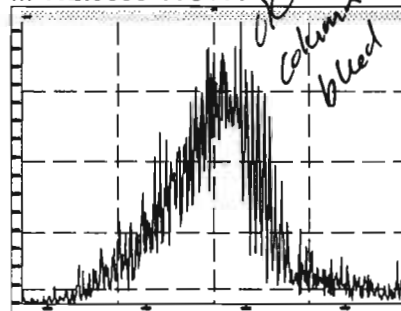
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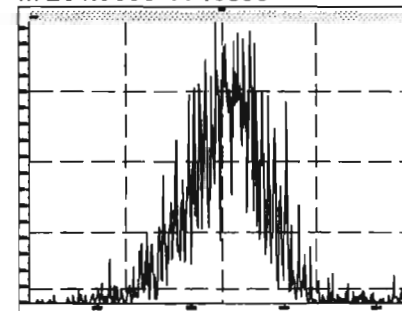
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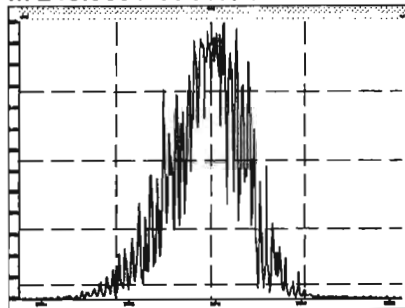
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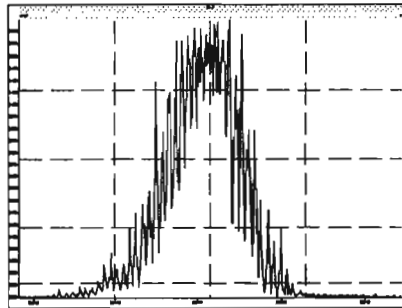
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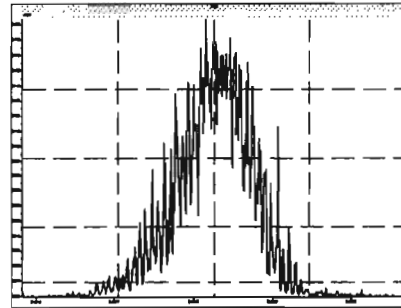
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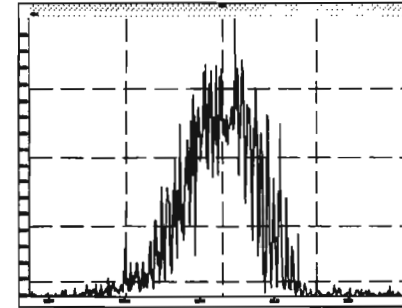
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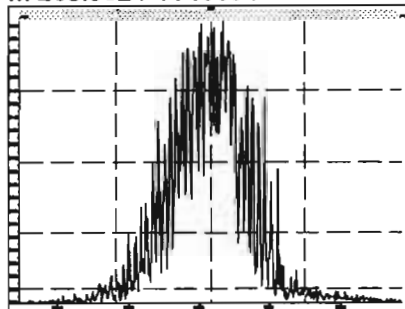
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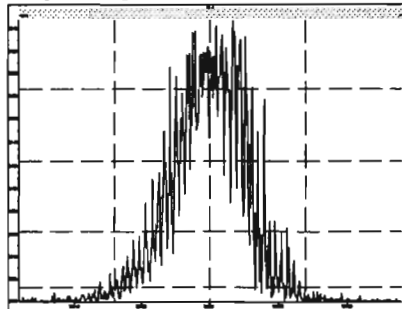
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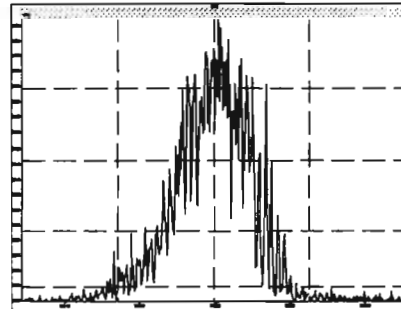
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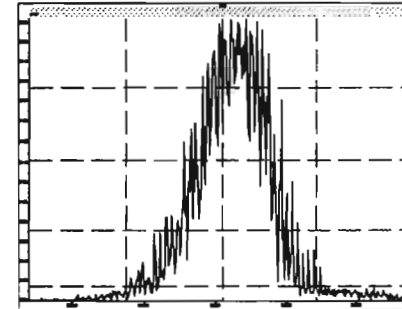
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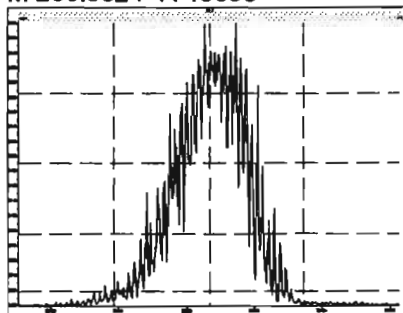


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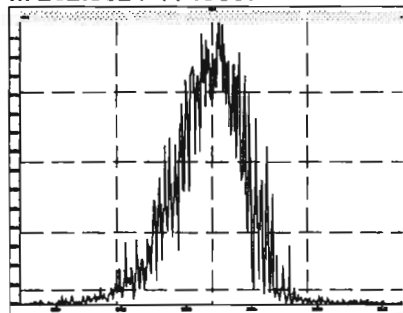


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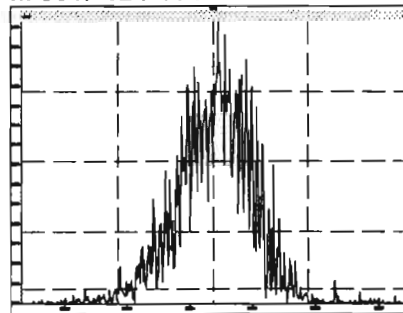
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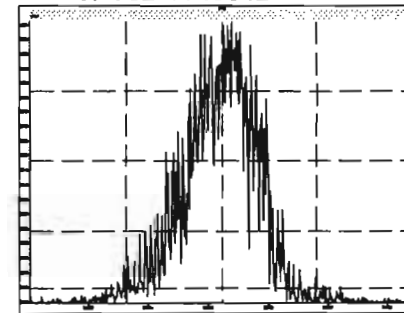
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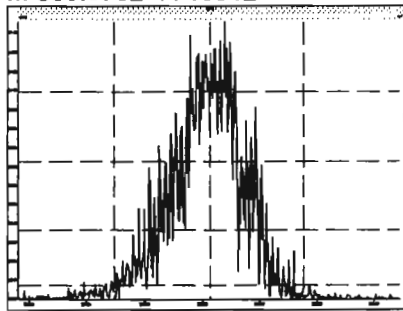
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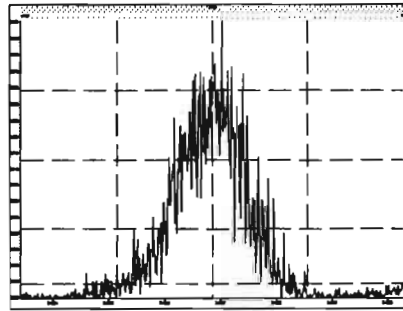
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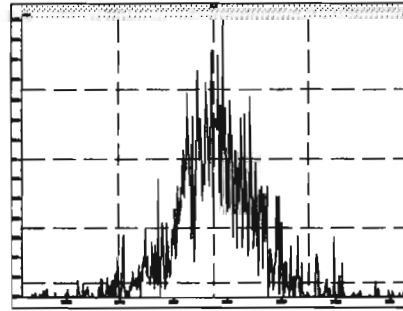
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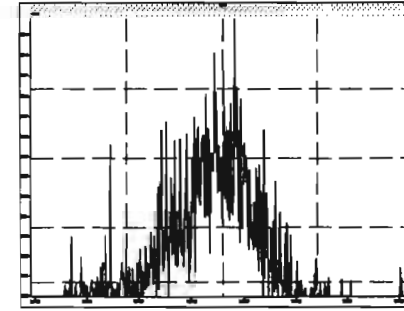
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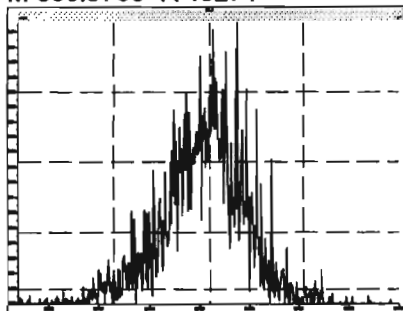
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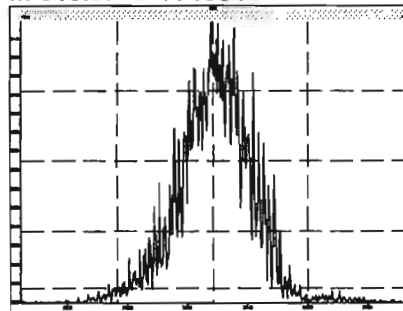
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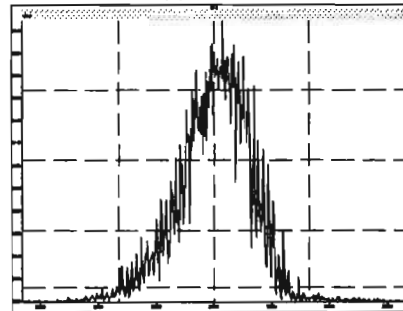
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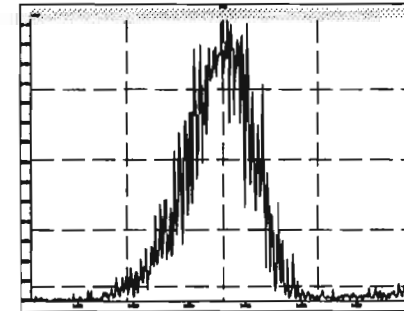
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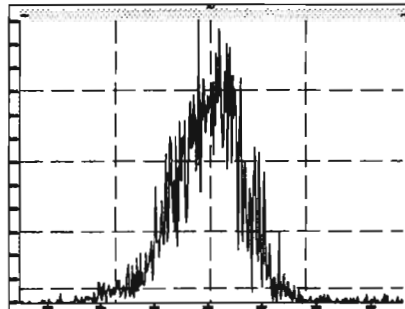


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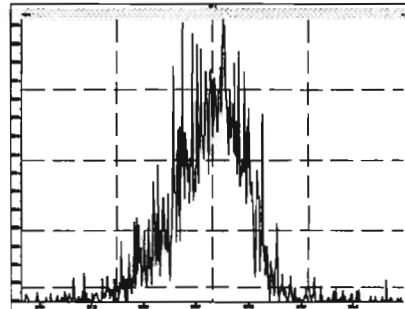


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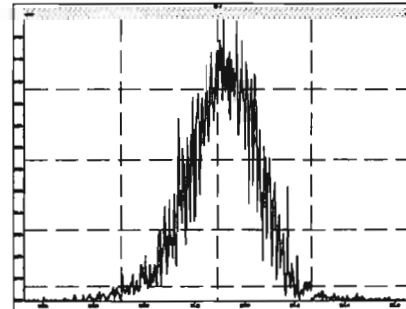
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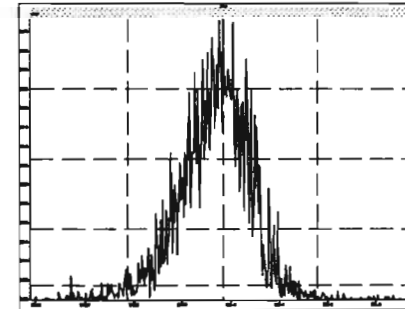
M 366.9792 R 14044



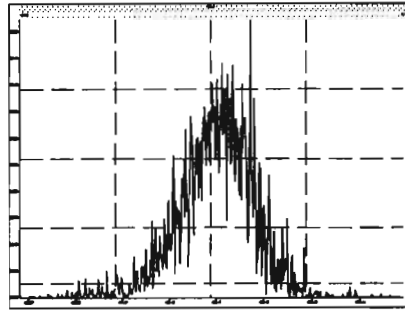
M 380.9760 R 13721



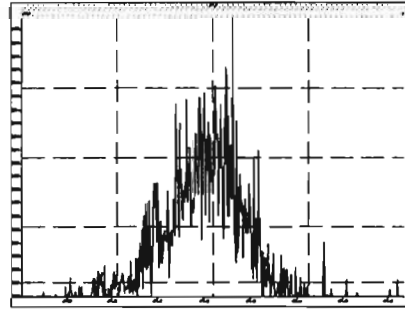
M 392.9760 R 16001



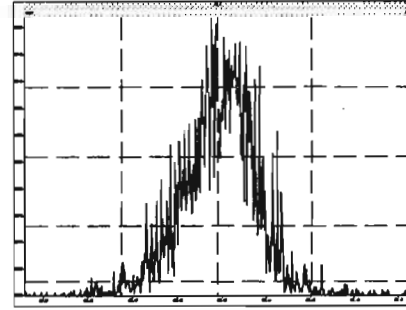
M 404.9760 R 16726



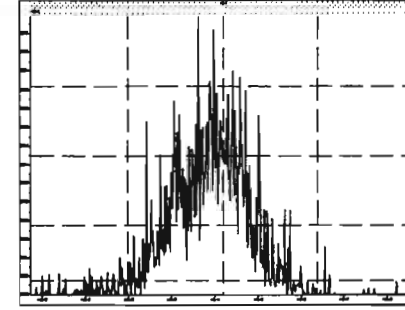
M 416.9760 R 17993



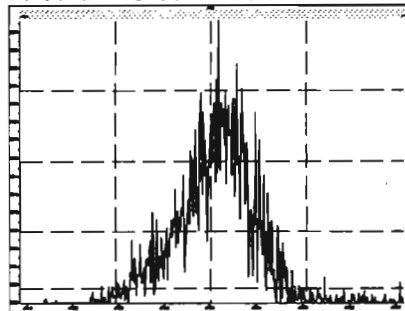
M 430.9728 R 14770



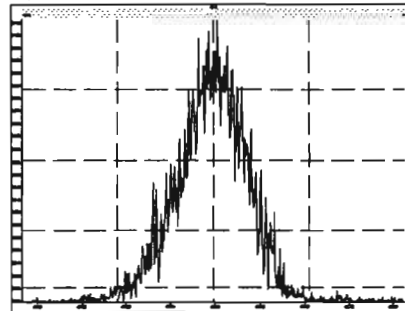
M 442.9728 R 17410



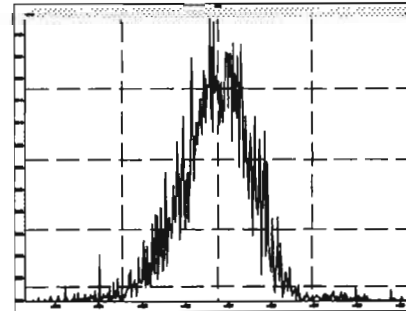
M 416.9760 R 14748



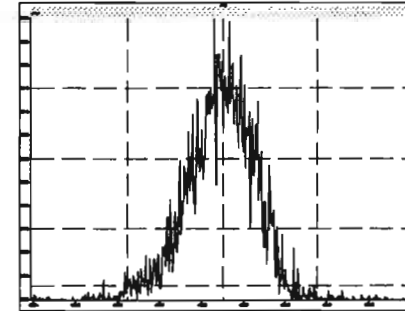
M 430.9728 R 13557



M 442.9728 R 13737

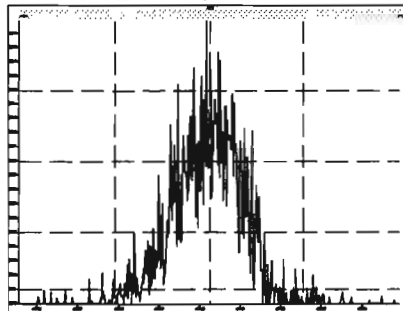


M 454.9728 R 14352

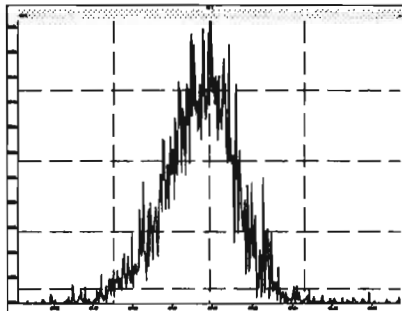


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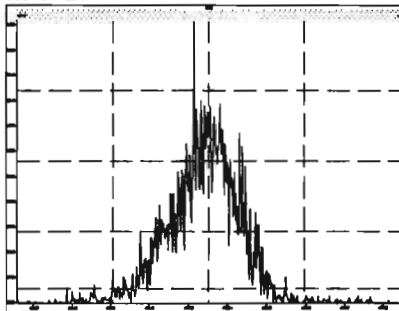
M 466.9728 R 17446



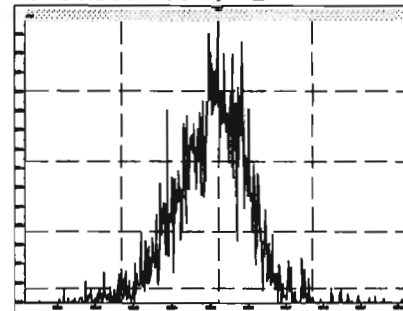
M 480.9696 R 13940



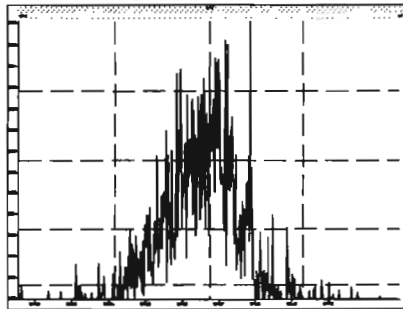
M 492.9696 R 15021



M 504.9696 R 14962



M 516.9697 R 16672



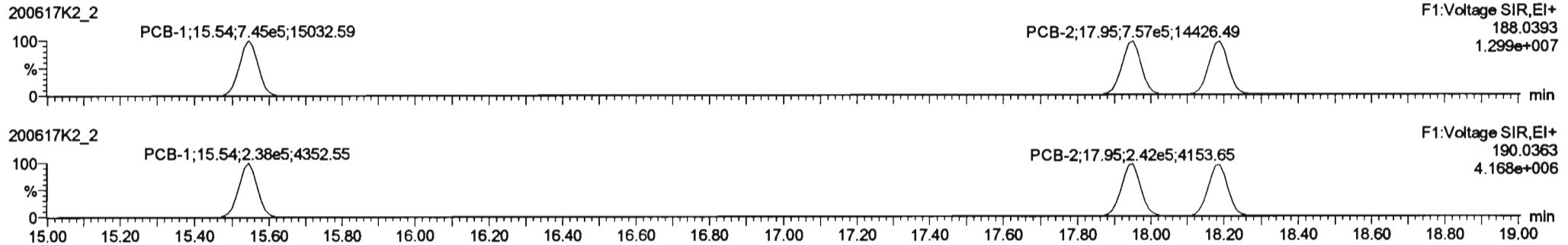
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Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

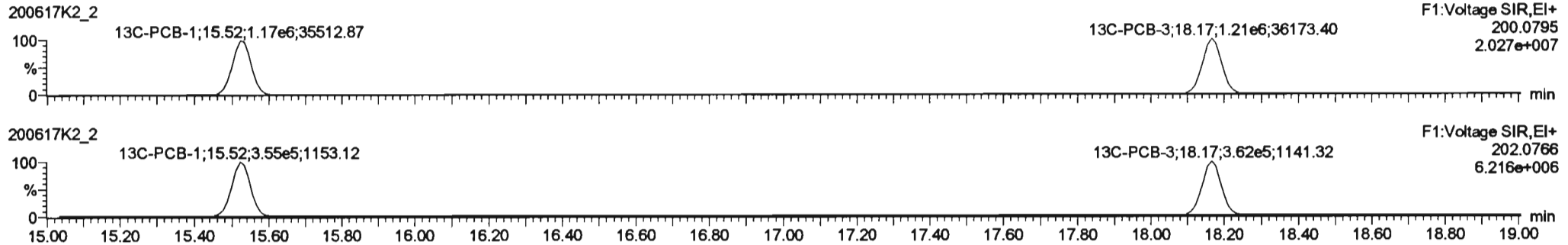
Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_6-13-20.mdb 14 Jun 2020 13:31:38  
Calibration: U:\VG11.PRO\CurveDB\vb1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

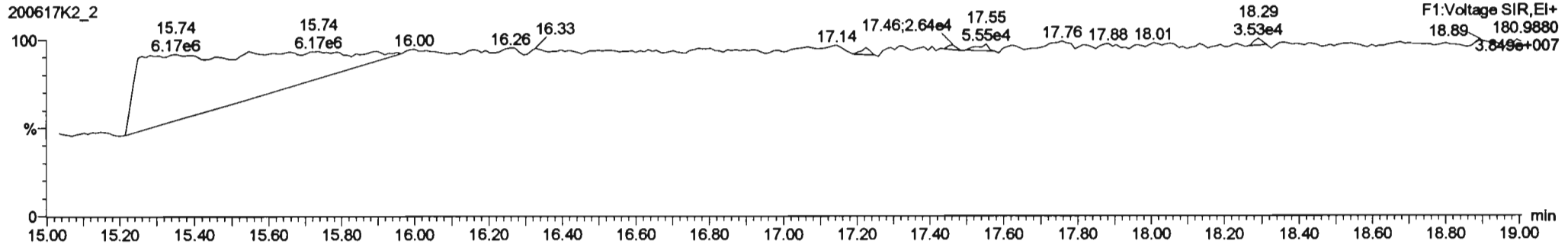
**PCB-1**



**13C-PCB-1**



**PFK1**



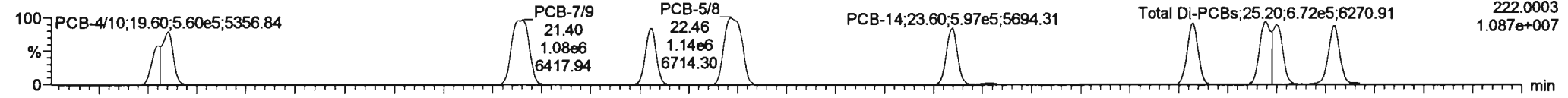
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Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

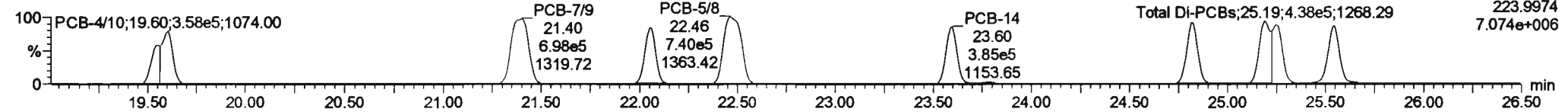
Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-4/10**

200617K2\_2

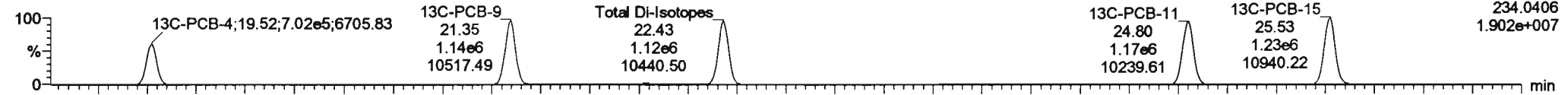


200617K2\_2

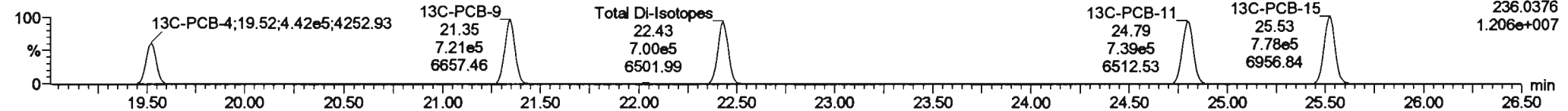


**13C-PCB-4**

200617K2\_2

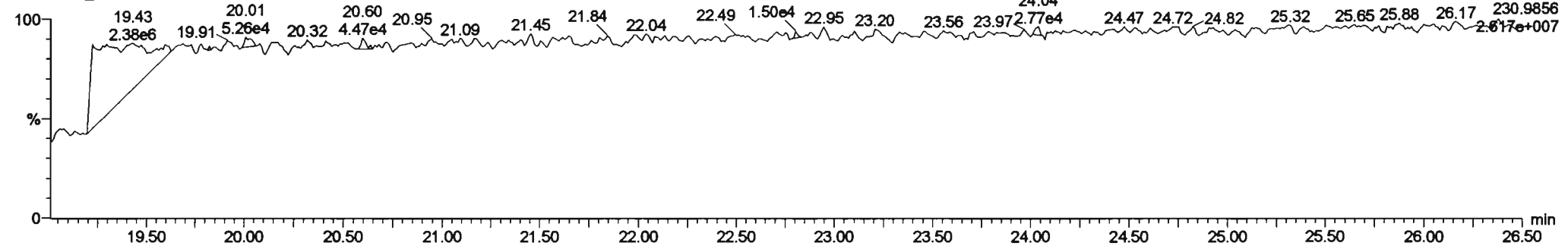


200617K2\_2



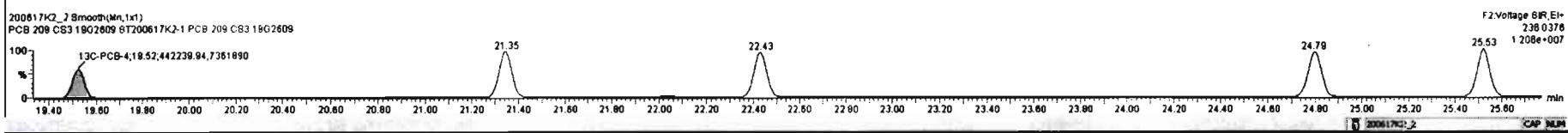
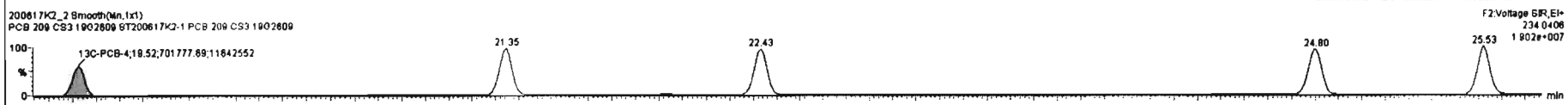
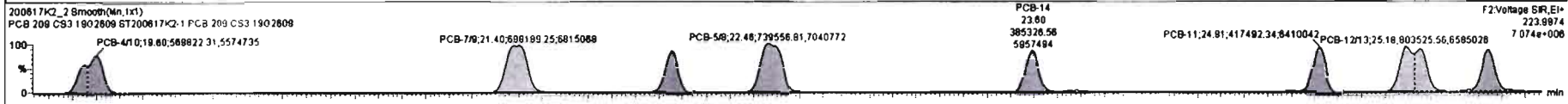
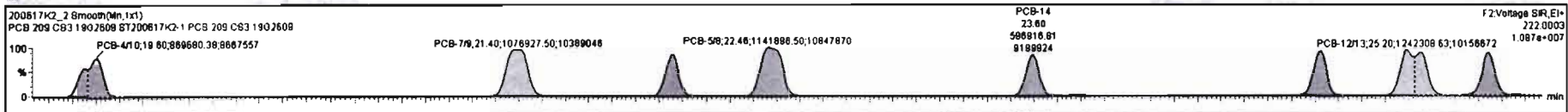
**PFK2a**

200617K2\_2



#	Name	Resp	RA	n/y	RF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	1.26e6	0.80	NO	1.0821	1.000	37.78	37.78	0.988	0.988	NO	100.6	101	0.0584	
223	13C-PCB-178	4.20e5	0.48	NO	1.0508	1.000	45.87	45.87	0.823	0.823	NO	97.57	97.8	0.0713	
224	Total Mono-PCBs				1.1665	1.000	0.00	0.00	0.000	0.000	NO	163.2		0.0358	163.2
225	Total Di-PCBs				1.0537	1.000	0.00	0.00	0.933	0.933	NO	806.9		0.373	806.9
226	2nd Function Tri-PCBs				1.0807	1.000	0.00	0.00	0.000	0.000	NO	449.1		0.117	449.1
227	3rd Function Tri-PCBs				0.9828	1.000	0.00	0.00	0.000	0.000	NO	864.5		0.302	864.5
228	Total Tetra-PCBs				1.0778	1.000	0.00	0.00	0.000	0.000	NO	2347		0.882	2347
228	3rd Function Penta-PCBs				1.3157	1.000	0.00	0.00	0.000	0.000	NO	2273		0.748	2273
230	4th Function Penta-PCBs				1.0735	1.000	0.00	0.00	0.000	0.000	NO	266.8		0.130	266.8
231	3rd Function Hexa-PCBs				0.9505	1.000	0.00	0.00	0.000	0.000	NO	739.8		0.195	739.8
232	232 4th Function Hexa-PCBs				1.0318	1.000	0.00	0.00	0.000	0.000	NO	1530		0.940	1530

#	Name	Pred.RT	RT	ret Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
4	PCB-4r0	19.80	19.80	8.867e5	5.888e5	1.580	1.53	NO	100.82	100.82
5	PCB-78	21.41	21.40	1.077e6	8.802e5	1.580	1.54	NO	98.486	98.486
8	PCB-8	22.08	22.05	5.783e5	3.708e5	1.580	1.55	NO	48.796	48.796
7	PCB-58	22.47	22.48	1.142e6	7.368e5	1.580	1.54	NO	102.01	102.01
6	PCB-14	23.80	23.80	5.888e5	3.853e5	1.580	1.55	NO	50.486	50.486
9	PCB-11	24.82	24.82	6.503e5	4.175e5	1.580	1.58	NO	48.582	48.582
10	PCB-12r13	25.25	25.20	1.242e6	8.035e5	1.580	1.55	NO	104.22	104.22
11	PCB-15	25.57	25.55	8.303e5	4.075e5	1.580	1.55	NO	52.450	52.450

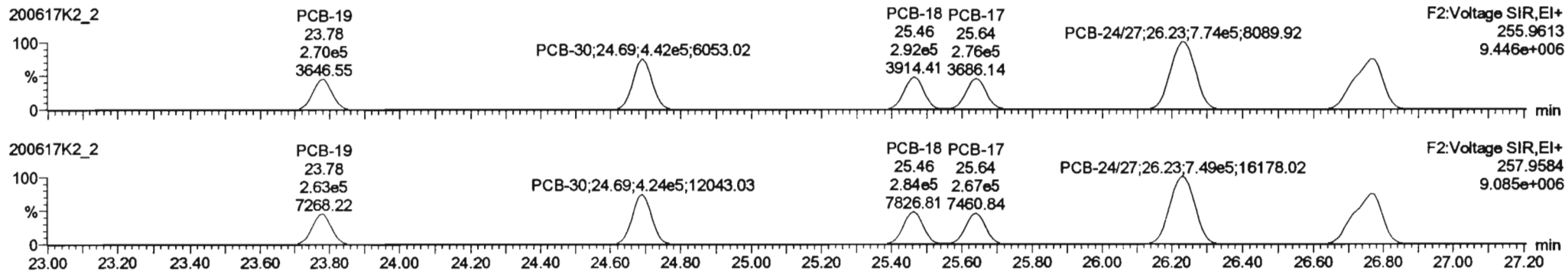


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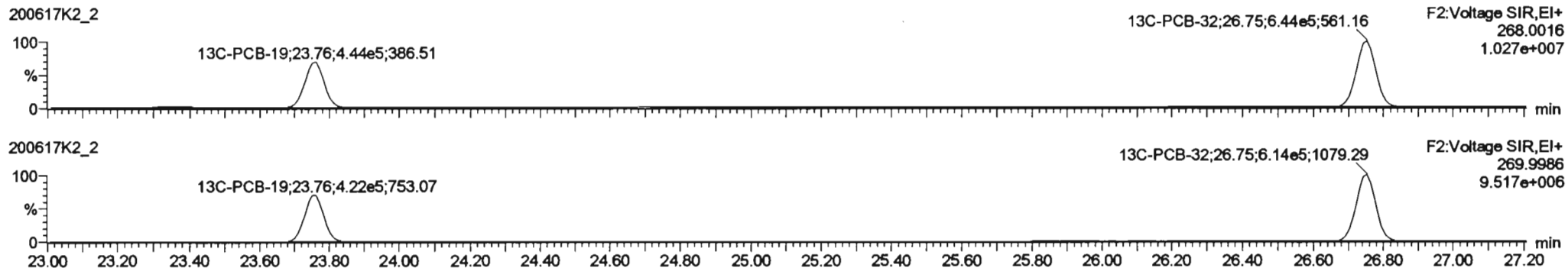
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

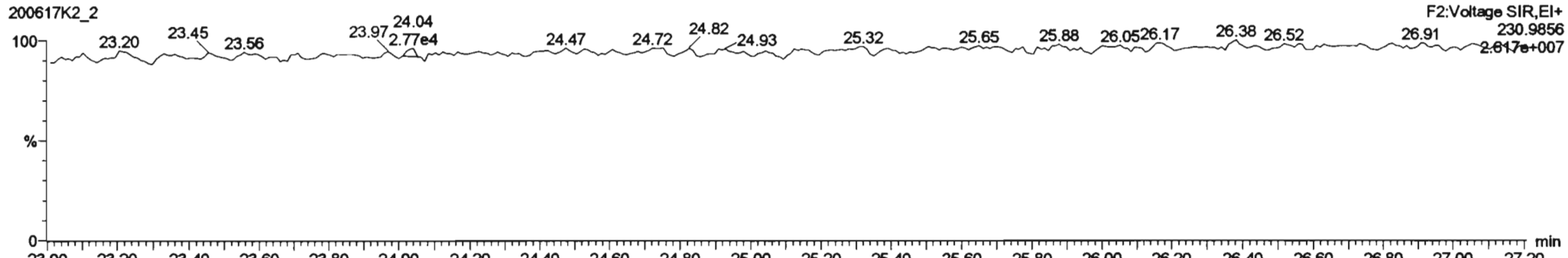
**PCB-19**



**13C-PCB-19**



**PFK2b**



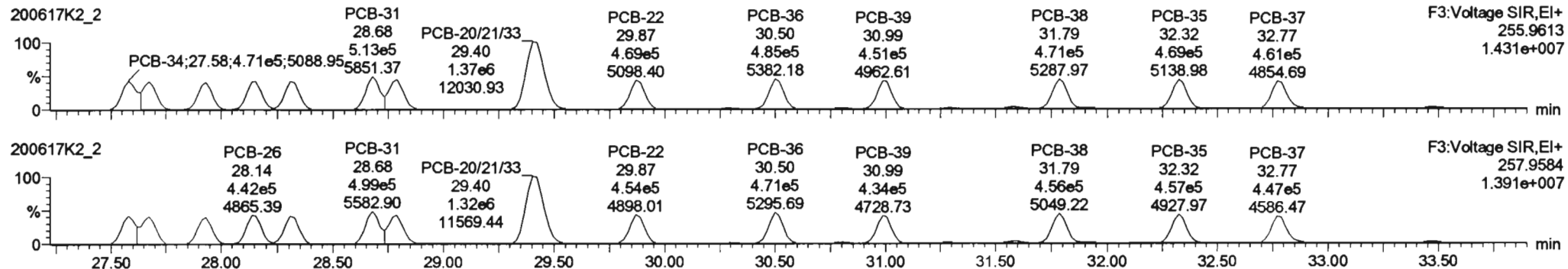


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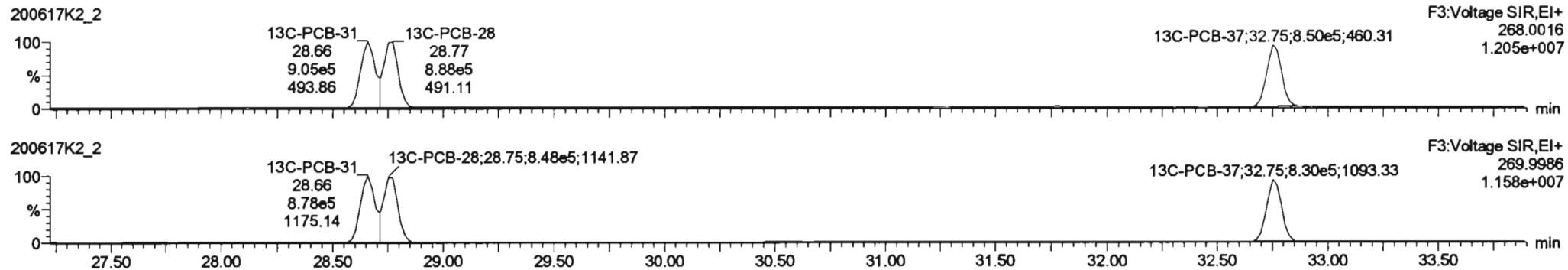
Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
 Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

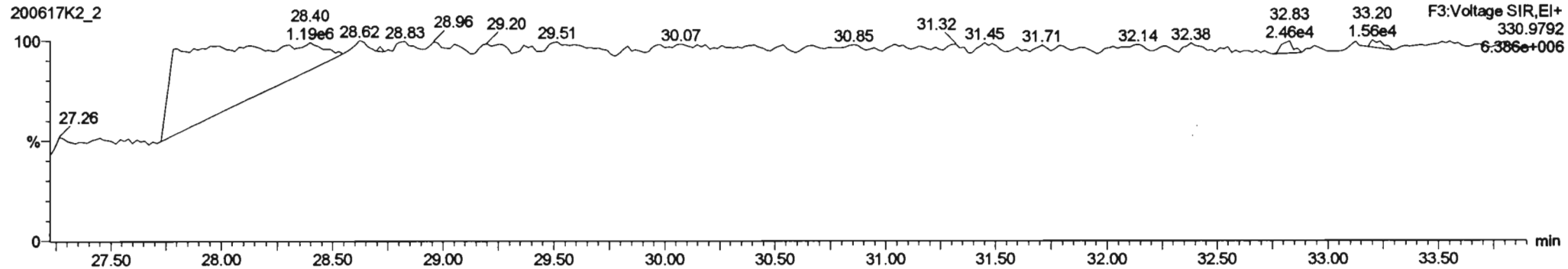
**PCB-34**

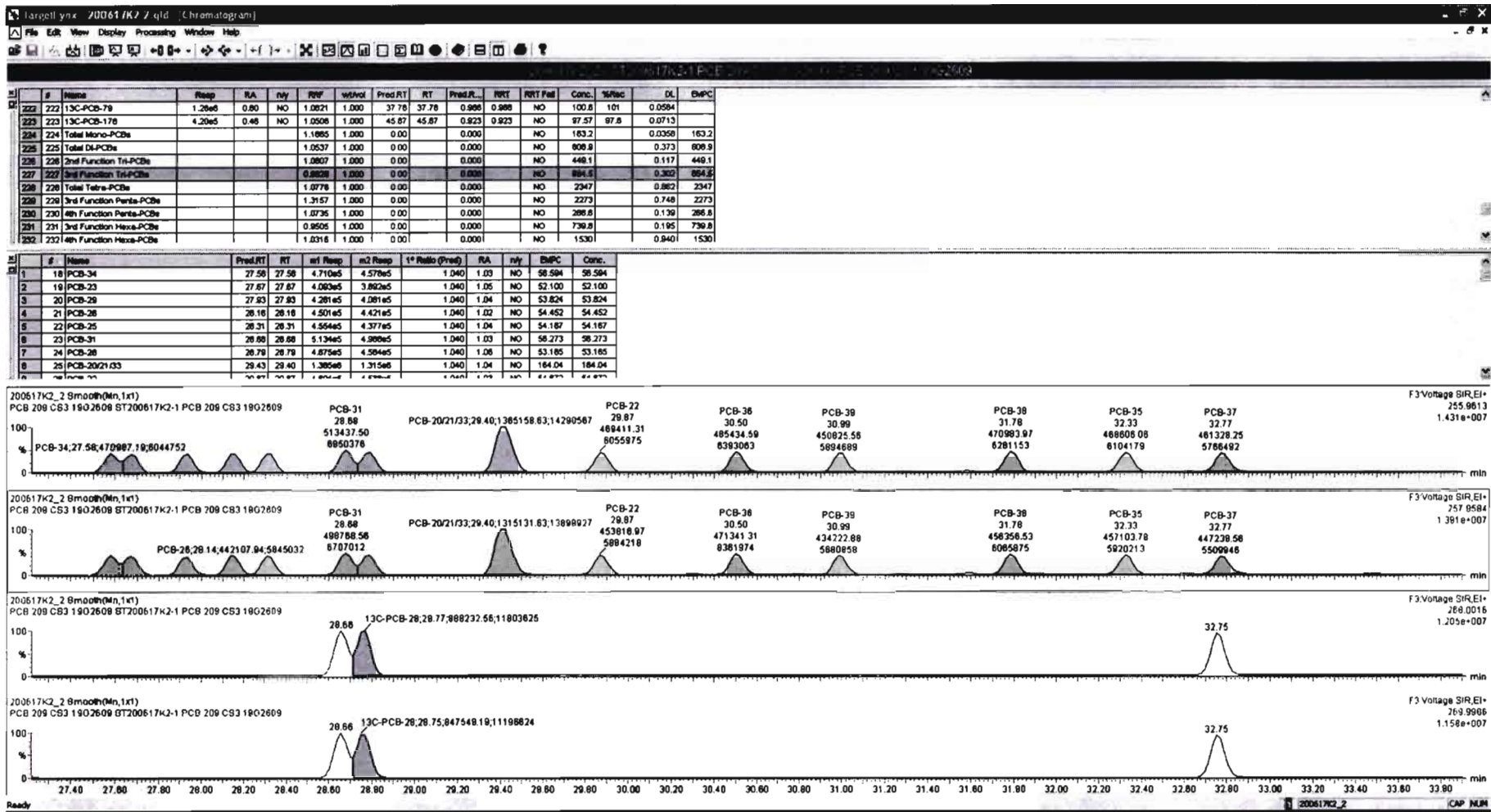


**13C-PCB-28**



**PFK3d**



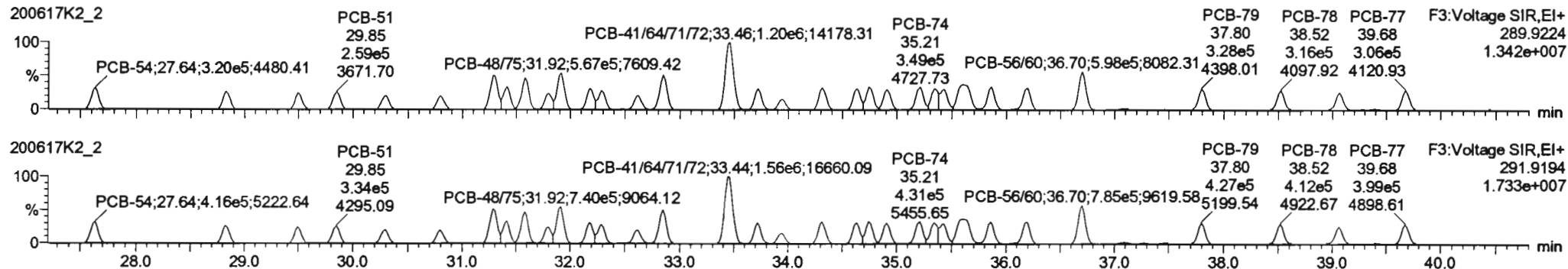


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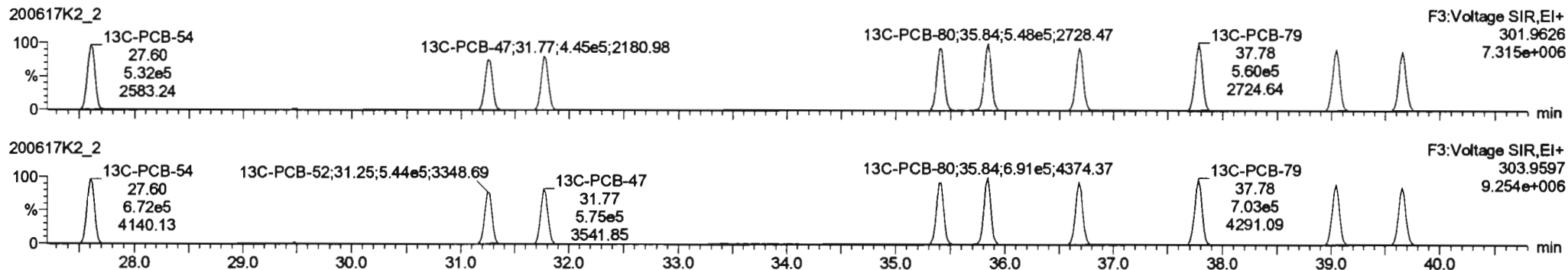
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Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

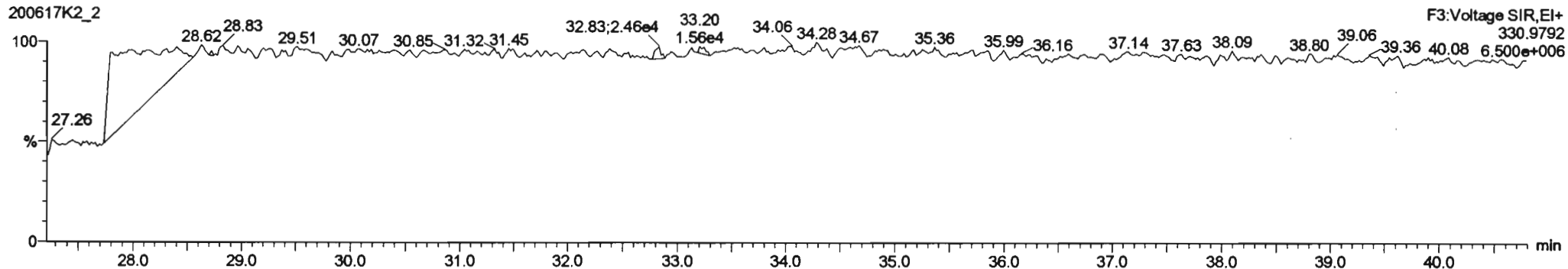
**PCB-54**



**13C-PCB-54**



**PFK3a**



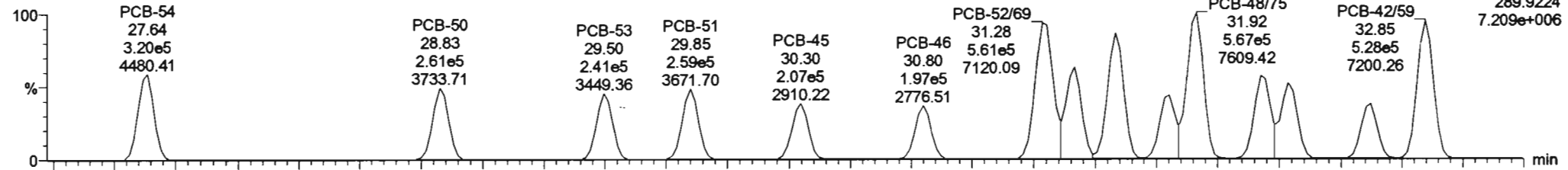
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Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
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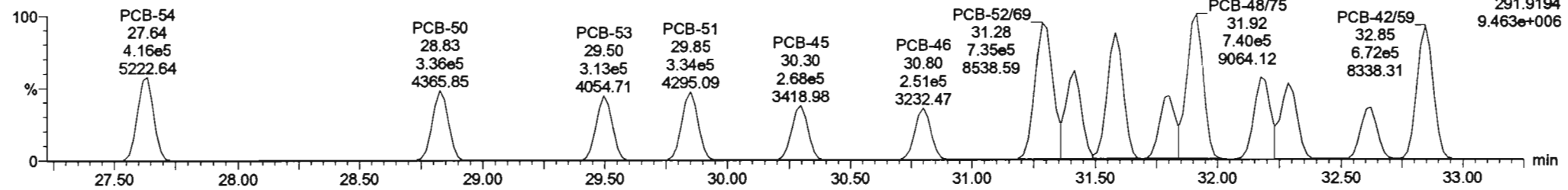
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PCB-50

200617K2\_2

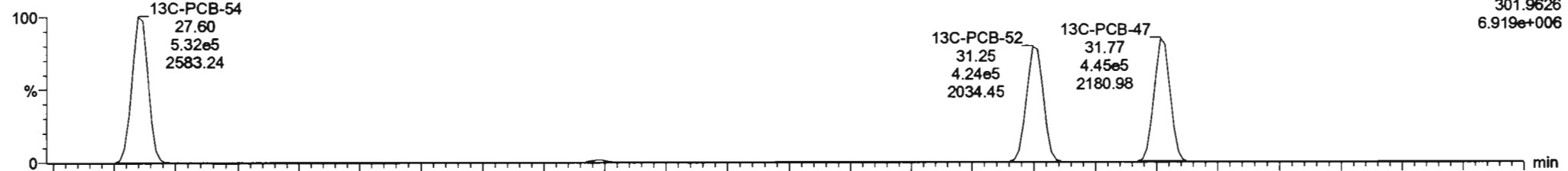


200617K2\_2

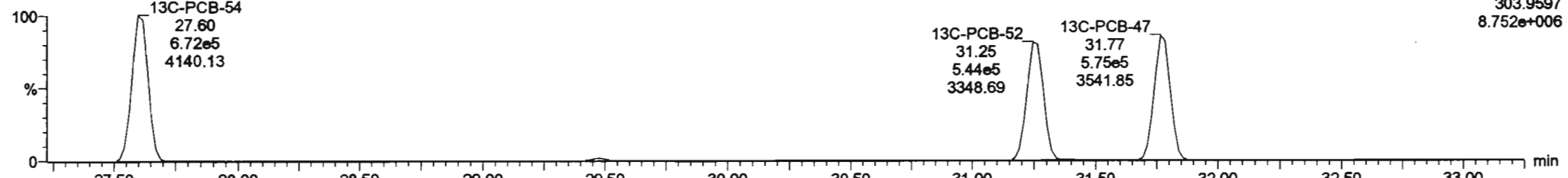


13C-PCB-52

200617K2\_2



200617K2\_2



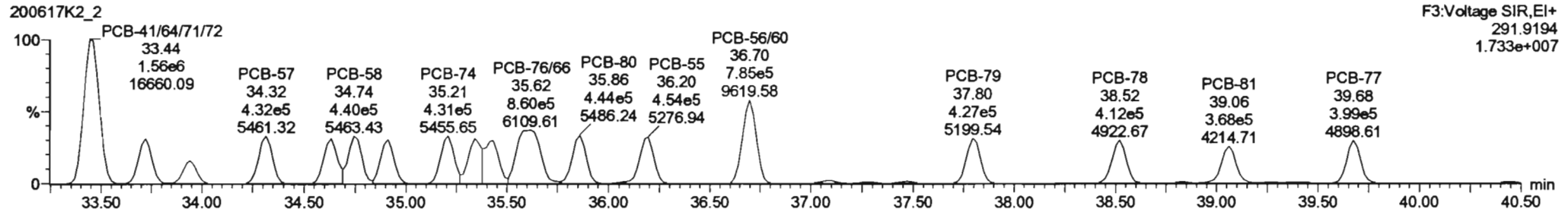
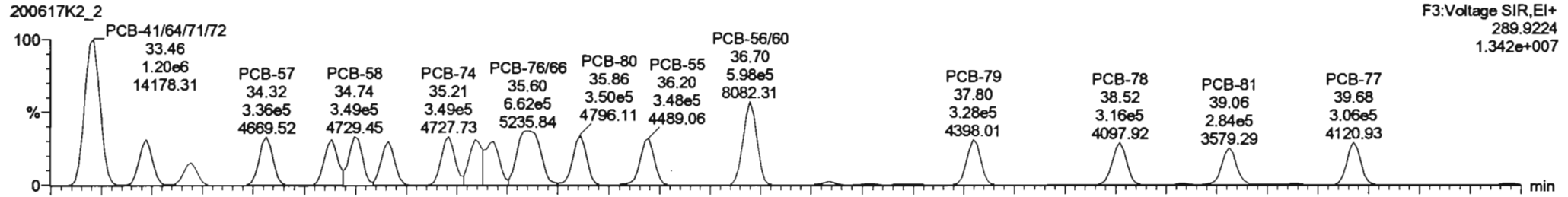
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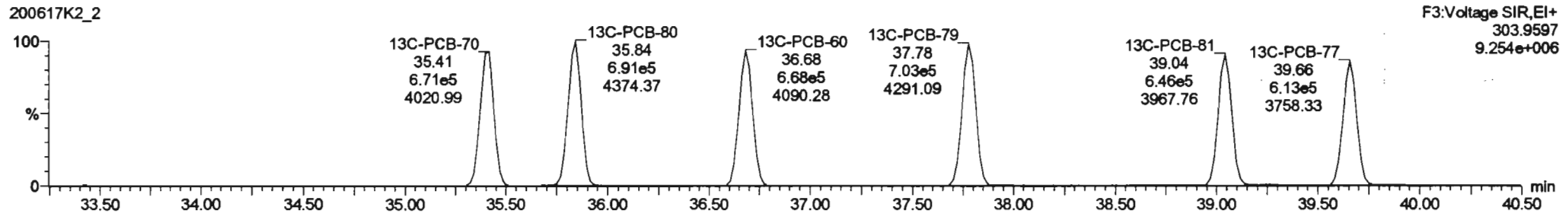
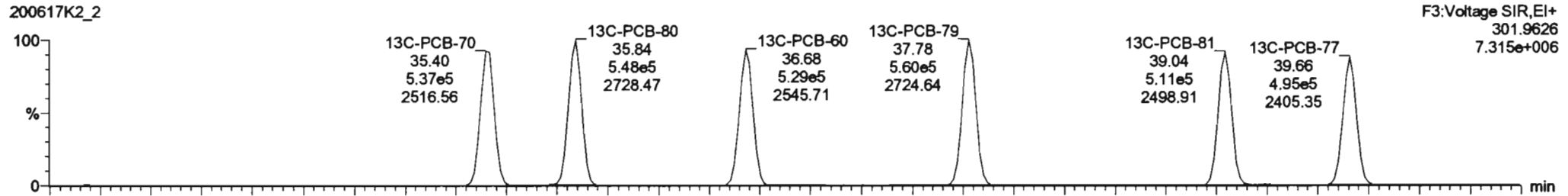
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Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-68**

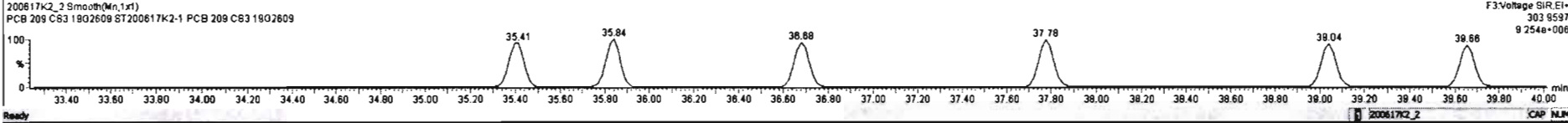
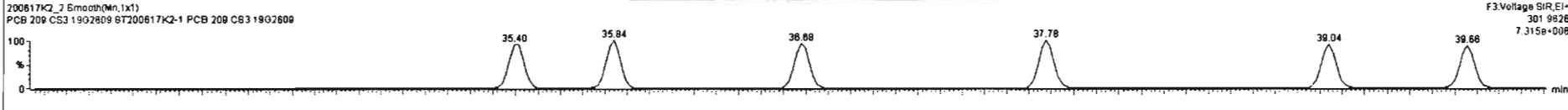
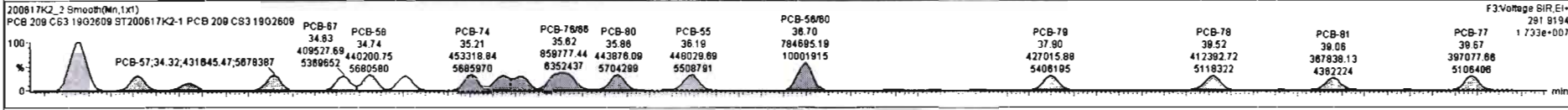
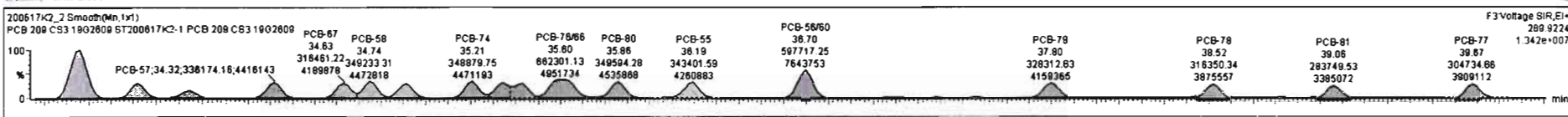


**13C-PCB-60**



#	Name	Resp	RA	rvf	RWF	wt/dtd	Pred_RT	RT	Pred_R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	1.26e5	0.80	NO	1.0521	1.000	37.78	37.78	0.968	0.968	NO	100.8	101	0.0584	
223	13C-PCB-178	4.20e5	0.46	NO	1.0508	1.000	45.87	45.87	0.923	0.923	NO	97.57	97.6	0.0713	
224	Total Mono-PCBs				1.1895	1.000	0.00	0.00	0.000	0.000	NO	163.2		0.0358	163.2
225	Total Di-PCBs				1.0537	1.000	0.00	0.00	0.000	0.000	NO	608.9		0.373	608.9
226	2nd Function Tri-PCBs				1.0807	1.000	0.00	0.00	0.000	0.000	NO	448.1		0.117	448.1
227	3rd Function Tri-PCBs				0.9828	1.000	0.00	0.00	0.000	0.000	NO	864.5		0.302	864.5
228	Total Tetra-PCBs				1.0776	1.000	0.00	0.00	0.000	0.000	NO	2047		0.880	2047
229	3rd Function Penta-PCBs				1.3157	1.000	0.00	0.00	0.000	0.000	NO	2279		0.748	2279
230	4th Function Penta-PCBs				1.0735	1.000	0.00	0.00	0.000	0.000	NO	266.6		0.138	266.6
231	3rd Function Hexa-PCBs				0.9505	1.000	0.00	0.00	0.000	0.000	NO	738.8		0.195	738.8
232	4th Function Hexa-PCBs				1.0316	1.000	0.00	0.00	0.000	0.000	NO	1530		0.940	1530

#	Name	Pred_RT	RT	int Resp	int2 Resp	1* Ratio (Prst)	RA	rvf	EMPC	Conc.
32	PCB-54	27.82	27.84	3.197e5	4.159e5	0.770	0.77	NO	58.582	58.582
33	PCB-50	28.81	28.83	2.811e5	3.364e5	0.770	0.78	NO	58.428	58.428
34	PCB-53	28.50	28.50	2.409e5	3.128e5	0.770	0.77	NO	57.340	57.340
35	PCB-51	29.84	29.85	2.590e5	3.343e5	0.770	0.77	NO	57.509	57.509
36	PCB-45	30.29	30.30	2.070e5	2.880e5	0.770	0.77	NO	57.134	57.134
37	PCB-46	30.78	30.80	1.887e5	2.513e5	0.770	0.78	NO	55.883	55.883
38	PCB-52/69	31.28	31.28	5.809e5	7.348e5	0.770	0.78	NO	114.88	114.88
39	PCB-73	31.40	31.41	3.384e5	4.275e5	0.770	0.79	NO	54.804	54.804

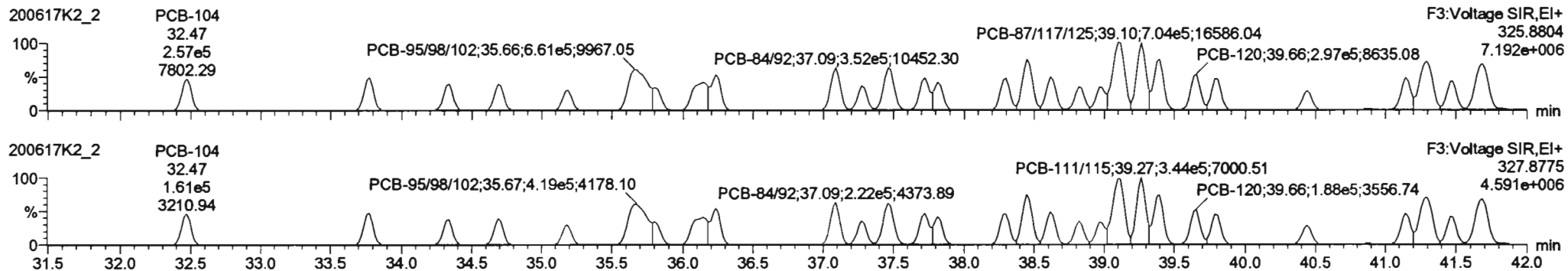


Dataset: Untitled

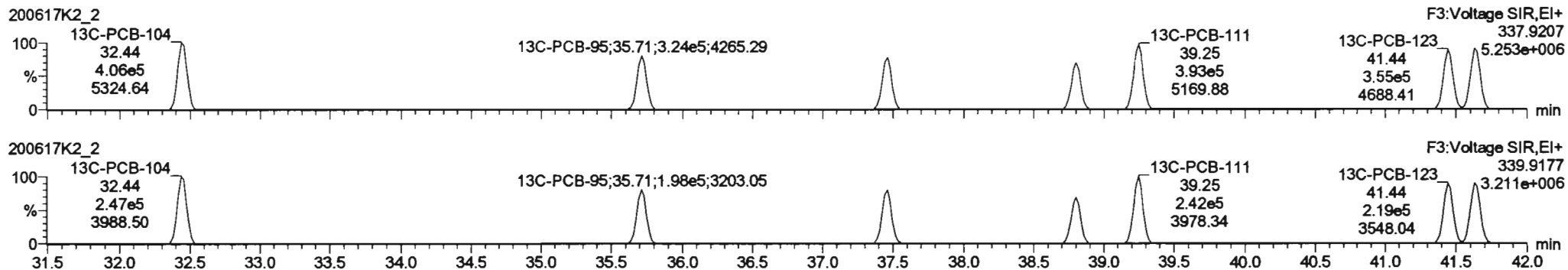
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

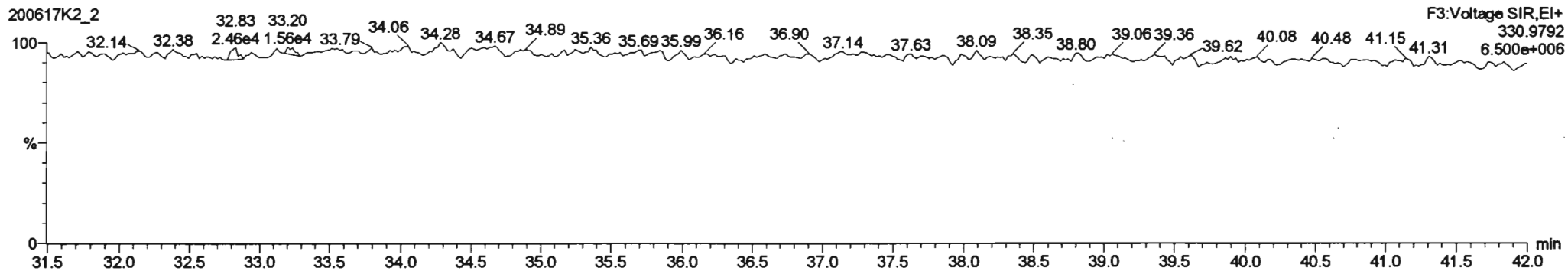
**PCB-104**



**13C-PCB-104**



**PFK3b**



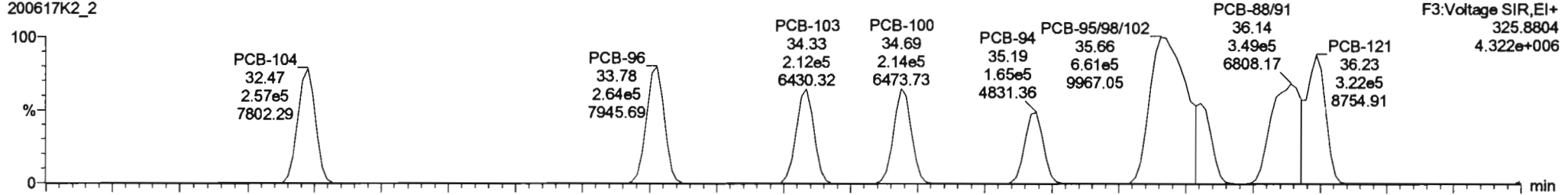
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

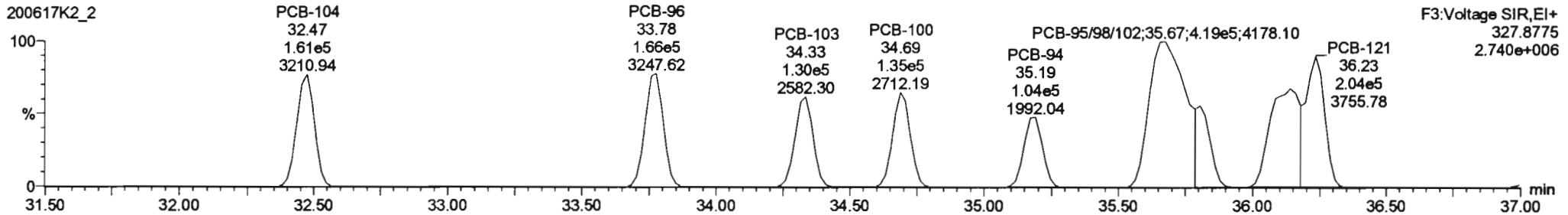
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**PCB-96**

200617K2\_2

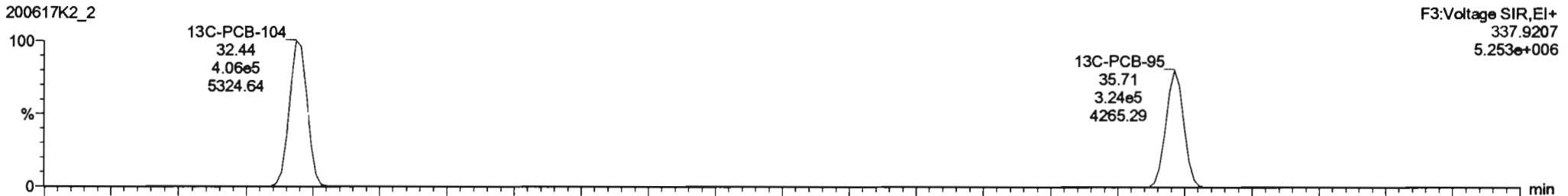


200617K2\_2

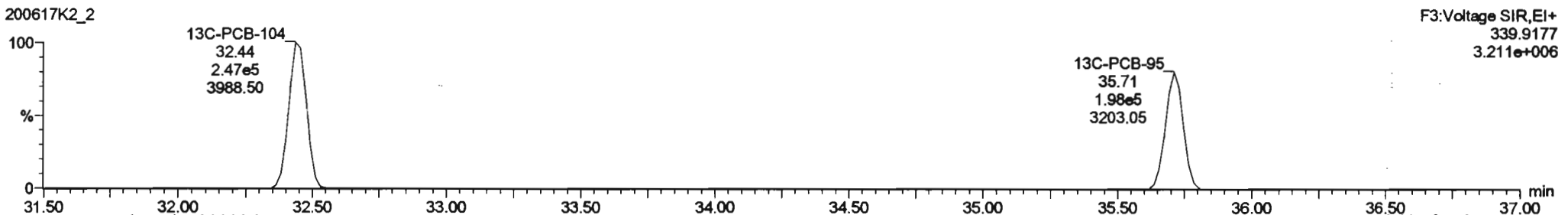


**13C-PCB-95**

200617K2\_2



200617K2\_2





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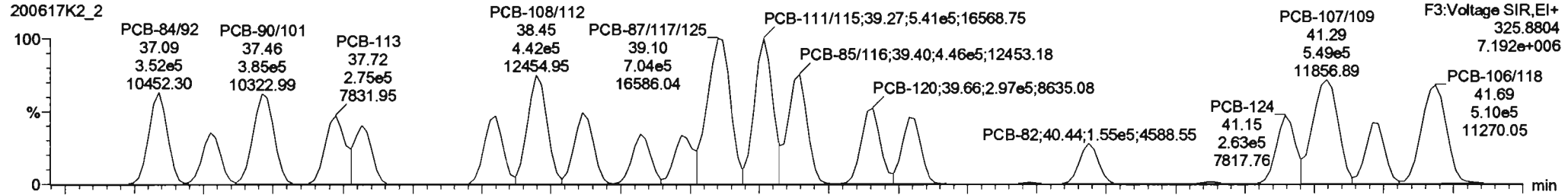
Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time

Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

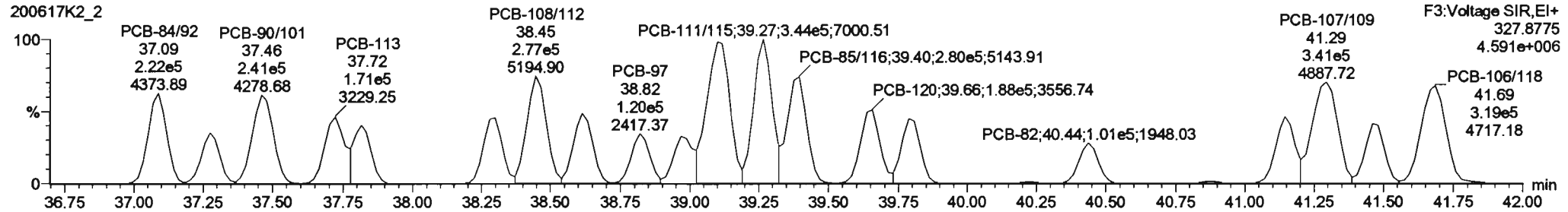
Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-119**

200617K2\_2

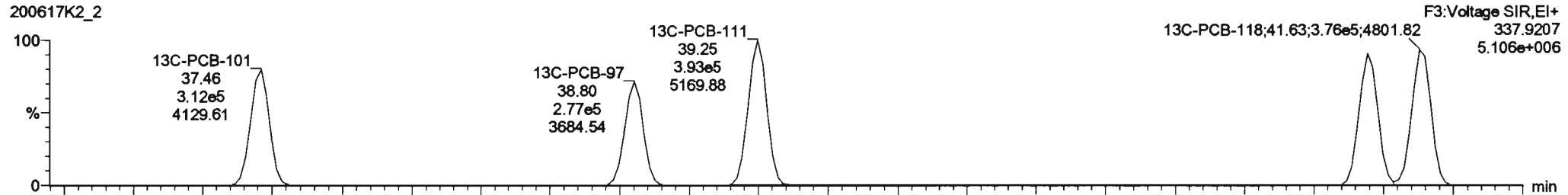


200617K2\_2

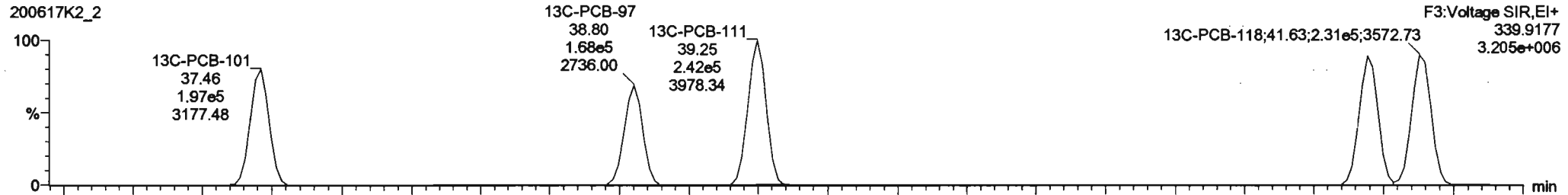


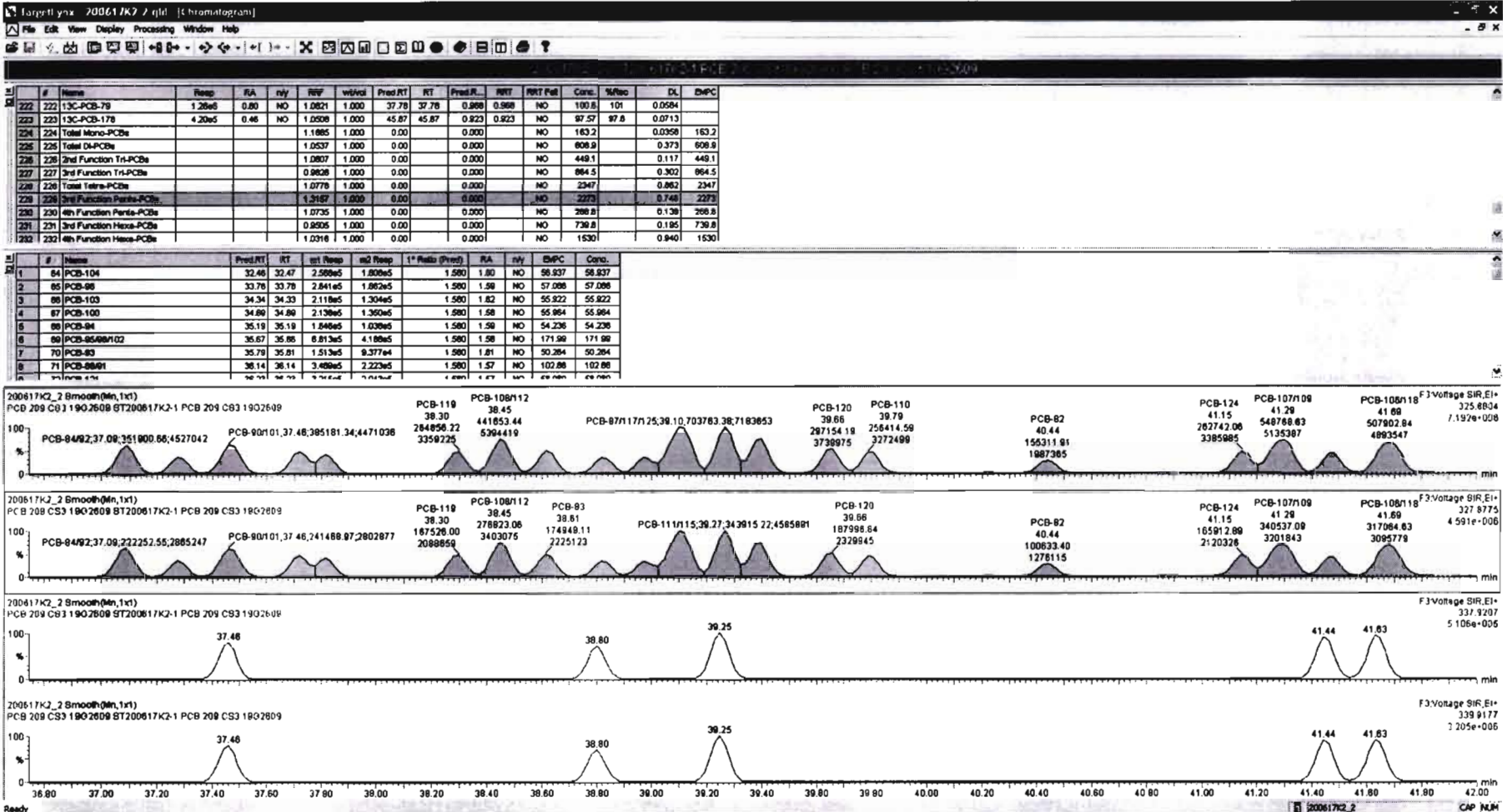
**13C-PCB-111**

200617K2\_2



200617K2\_2



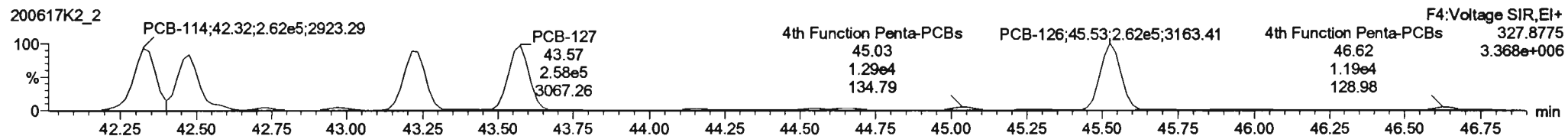
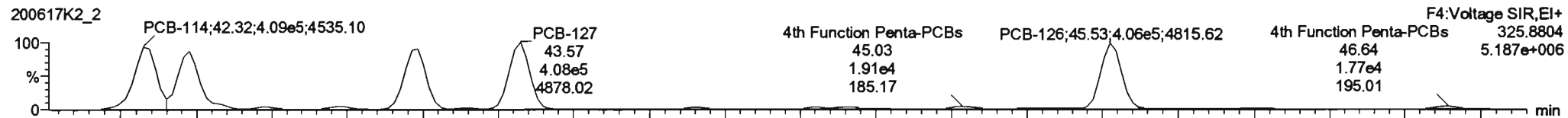


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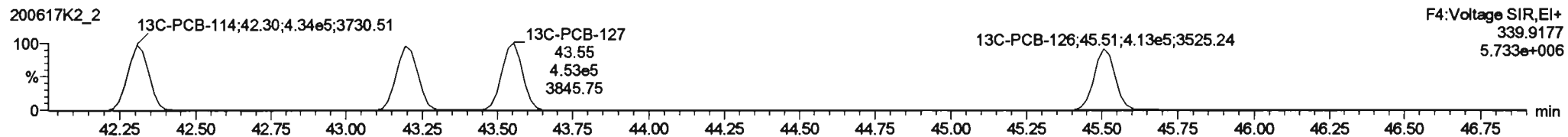
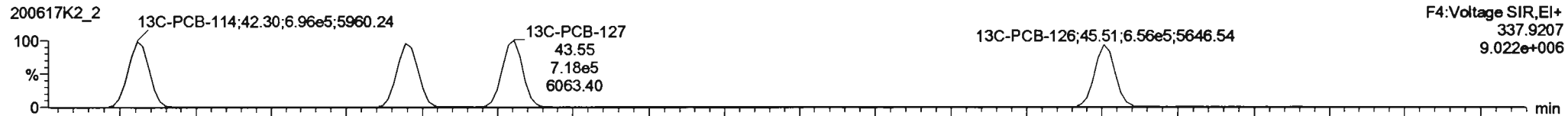
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Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

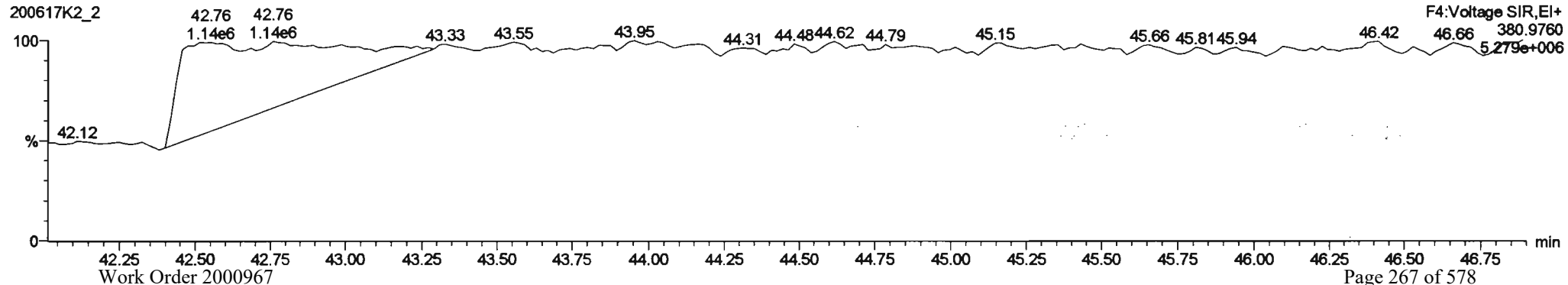
**PCB-114**



**13C-PCB-114**

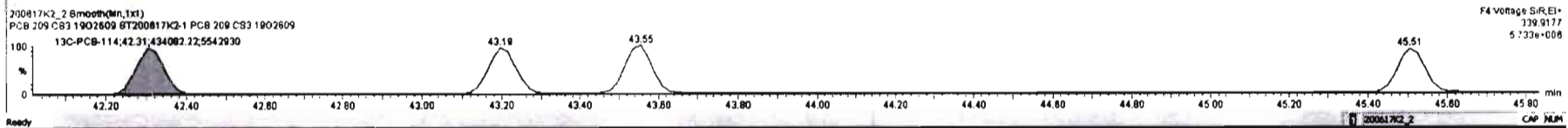
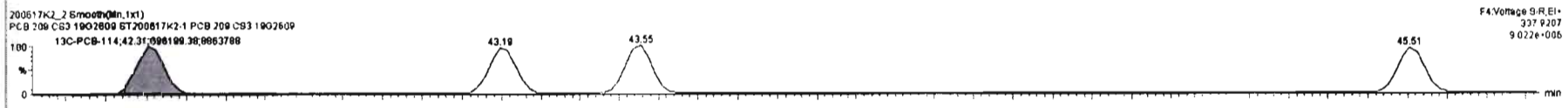
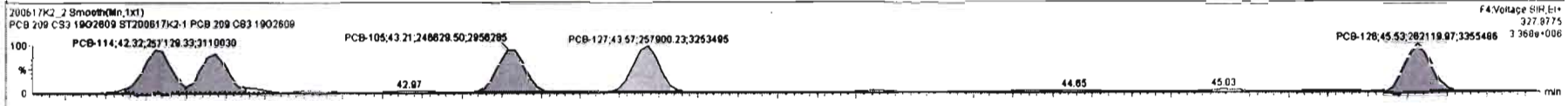
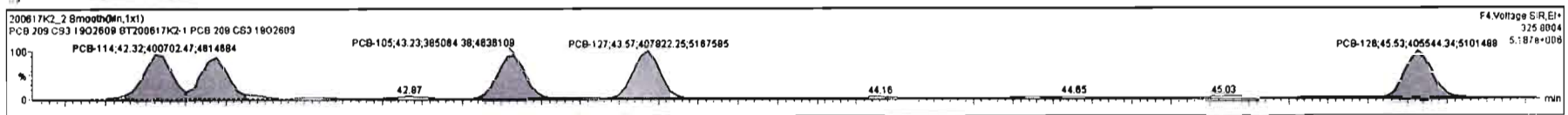


**PFK4a**



#	Name	Resp	RA	nly	RPF	wtVal	Pred RT	RT	Pred R...	RRT	RRT Fall	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	1.20e5	0.80	NO	1.0021	1.000	37.78	37.78	0.998	0.998	NO	100.0	101	0.0594	
223	13C-PCB-178	4.20e5	0.48	NO	1.0500	1.000	45.87	45.87	0.823	0.823	NO	97.57	87.8	0.0713	
224	Total Mono-PCBs				1.1885	1.000	0.00		0.000		NO	183.2		0.0399	183.2
225	Total Di-PCBs				1.0537	1.000	0.00		0.000		NO	808.9		0.373	808.9
226	2nd Function Tri-PCBs				1.0807	1.000	0.00		0.000		NO	449.1		0.117	449.1
227	3rd Function Tri-PCBs				0.9828	1.000	0.00		0.000		NO	884.5		0.302	884.5
228	Total Tetra-PCBs				1.0778	1.000	0.00		0.000		NO	2347		0.882	2347
229	3rd Function Penta-PCBs				1.3157	1.000	0.00		0.000		NO	2273		0.748	2273
230	All Hexa-PCBs				1.0735	1.000	0.00		0.000		NO	288.8		0.138	288.8
231	3rd Function Hexa-PCBs				0.8505	1.000	0.00		0.000		NO	739.8		0.185	739.8
232	All Function Hexa-PCBs				1.0318	1.000	0.00		0.000		NO	1530		0.940	1530

#	Name	Pred RT	RT	ret Ratio	int Ratio	1** Ratio (Pred)	RA	nly	EMPC	Conc.
1	93 PCB-114	42.33	42.32	4.207e5	2.571e5	1.280	1.58	NO	51.001	51.001
2	94 PCB-122	42.47	42.47	3.838e5	2.282e5	1.580	1.58	NO	55.448	55.448
3	95 PCB-105	43.21	43.23	3.851e5	2.488e5	1.550	1.58	NO	53.241	53.241
4	96 PCB-127	43.57	43.57	4.078e5	2.579e5	1.580	1.58	NO	53.890	53.890
5	97 PCB-128	45.52	45.53	4.055e5	2.821e5	1.580	1.55	NO	53.262	53.262



Dataset: Untitled

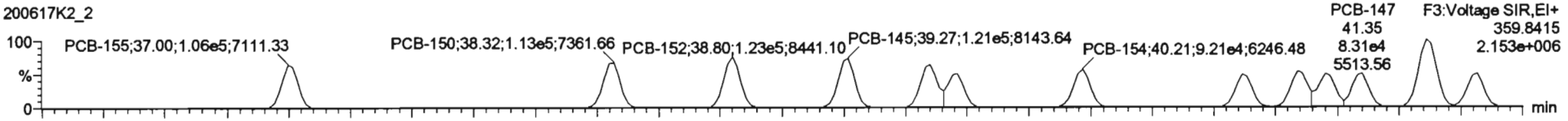
Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time

Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

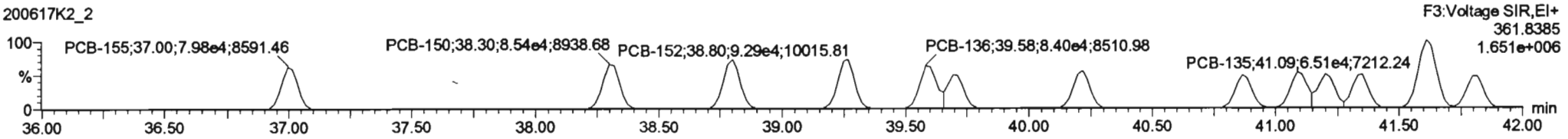
Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-155**

200617K2\_2

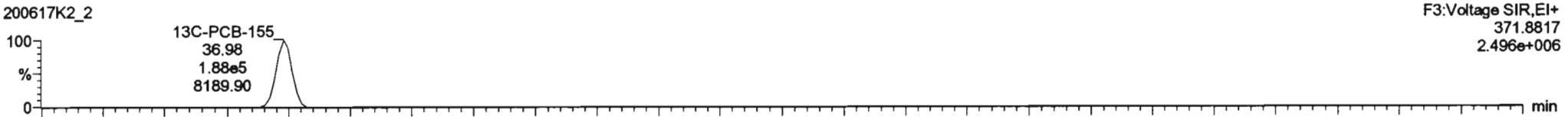


200617K2\_2

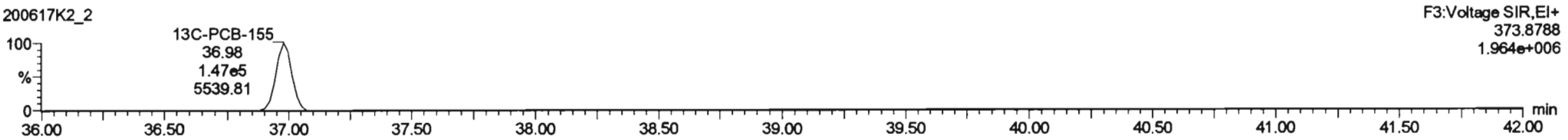


**13C-PCB-155**

200617K2\_2

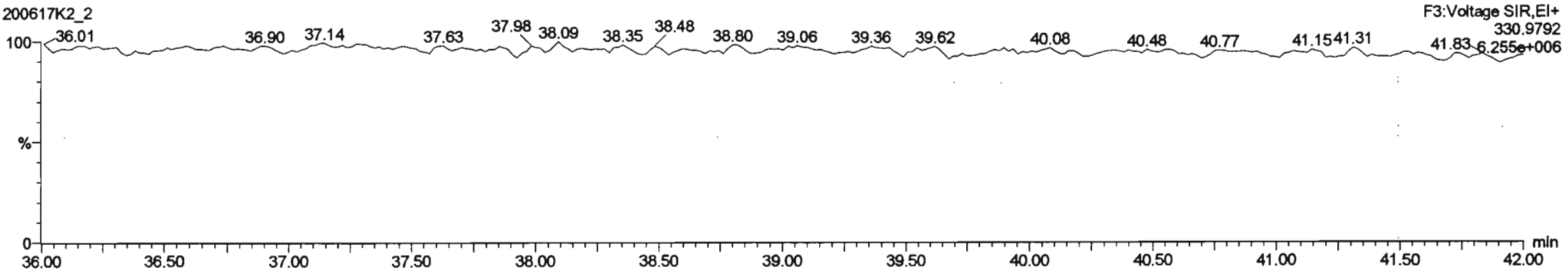


200617K2\_2



**PFK3c**

200617K2\_2

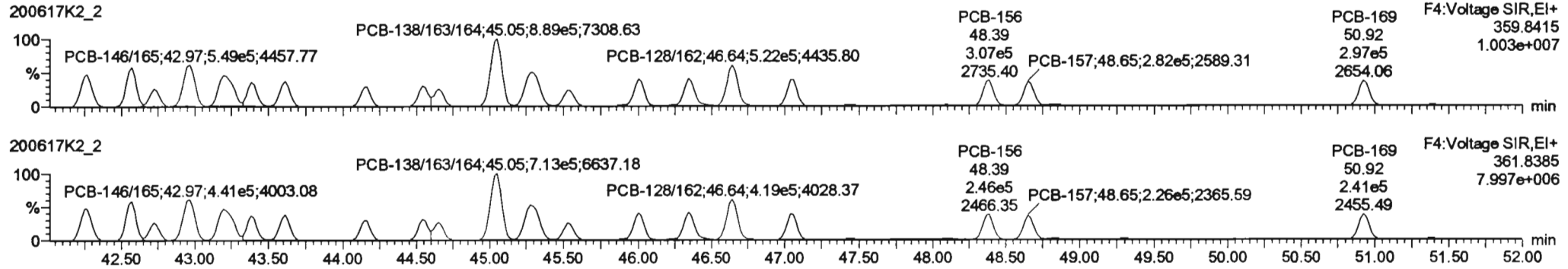


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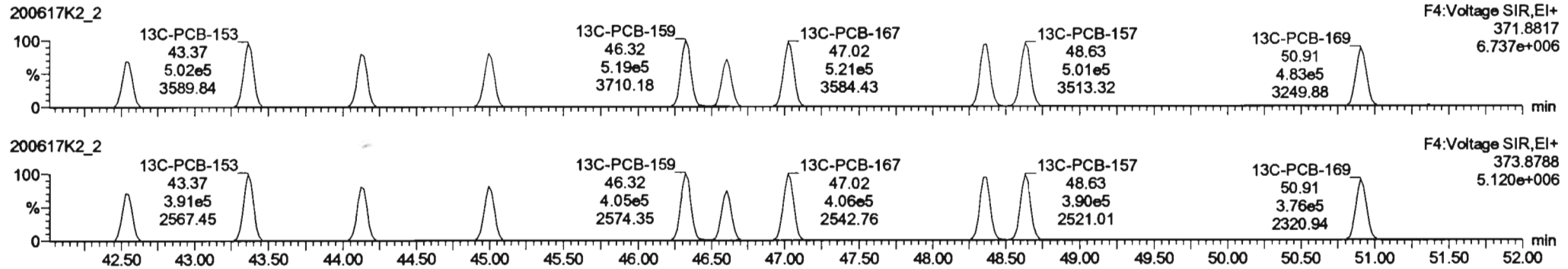
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

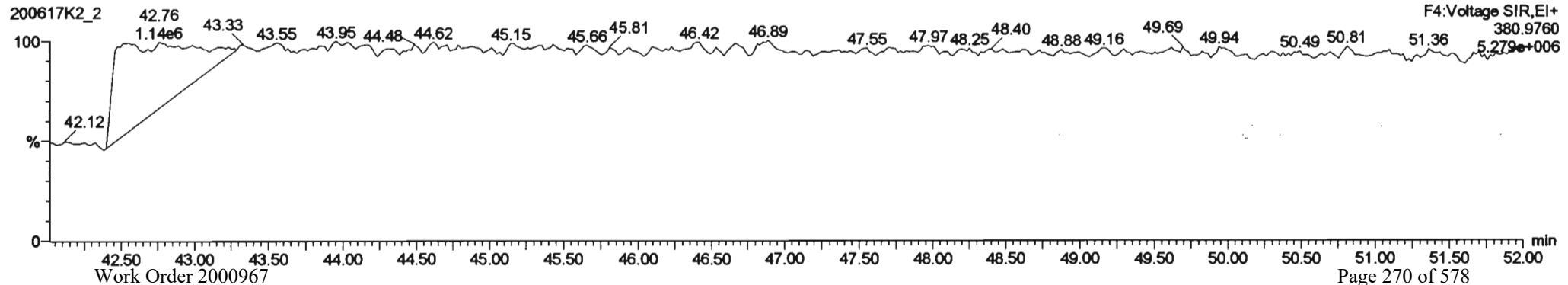
**PCB-134/143**



**13C-PCB-153**

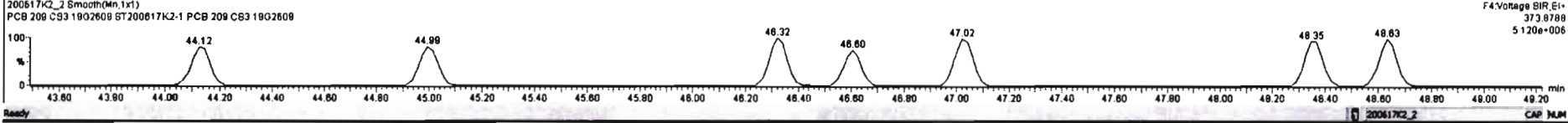
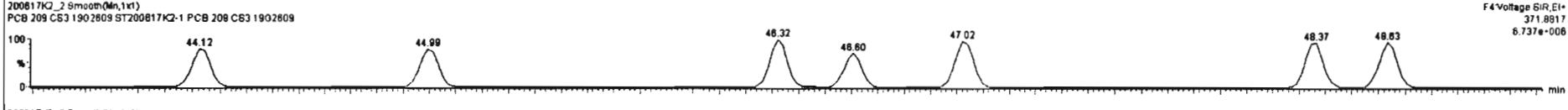
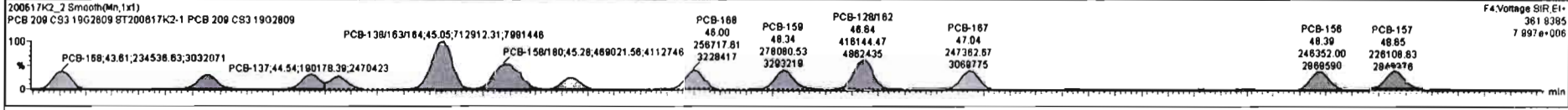
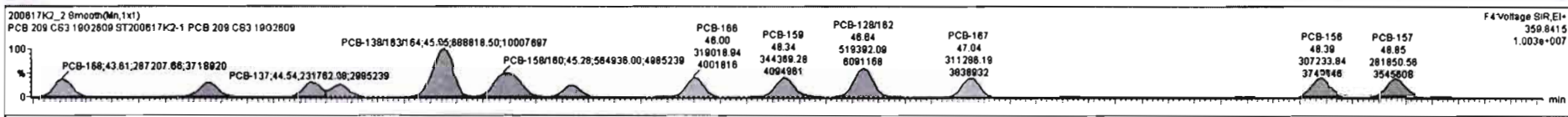


**PFK4b**



#	Name	Resp	RA	nly	RF	withd	Pred.RT	RT	Pred.RT	RF	RFI	Comp	%Area	DL	EMPC
222	13C-PCB-79	1.26e8	0.80	NO	1.0821	1.000	37.78	37.78	0.988	0.988	NO	100.8	101	0.0584	
223	13C-PCB-178	4.20e5	0.46	NO	1.0508	1.000	45.87	45.87	0.923	0.923	NO	97.57	97.8	0.0713	
224	Total Mono-PCBs				1.1685	1.000	0.00		0.000		NO	183.2		0.0358	183.2
225	Total Di-PCBs				1.0537	1.000	0.00		0.000		NO	808.9		0.373	808.9
226	2nd Function Tri-PCBs				1.0807	1.000	0.00		0.000		NO	448.1		0.117	448.1
227	3rd Function Tri-PCBs				0.9828	1.000	0.00		0.000		NO	884.5		0.302	884.5
228	Total Tetra-PCBs				1.0778	1.000	0.00		0.000		NO	2347		0.882	2347
229	3rd Function Penta-PCBs				1.3157	1.000	0.00		0.000		NO	2273		0.746	2273
230	4th Function Penta-PCBs				1.0735	1.000	0.00		0.000		NO	288.8		0.136	288.8
231	3rd Function Hexa-PCBs				0.9806	1.000	0.00		0.000		NO	738.8		0.195	738.8
232	4th Function Hexa-PCBs				1.0318	1.000	0.00		0.000		NO	1530		0.840	1530

#	Name	Pred.RT	RT	int Resp	int2 Resp	I* Ratio (Pred)	RA	nly	EMPC	Comp
1	111 PCB-134/143	42.28	42.27	4.230e5	3.402e5	1.240	1.24	NO	112.52	112.52
2	112 PCB-131/133	42.58	42.57	4.532e5	3.857e5	1.240	1.24	NO	111.74	111.74
3	113 PCB-142	42.72	42.72	2.027e5	1.851e5	1.240	1.23	NO	54.808	54.808
4	114 PCB-146/165	42.87	42.87	5.485e5	4.414e5	1.240	1.24	NO	108.07	108.07
5	115 PCB-132/181	43.20	43.18	5.427e5	4.488e5	1.240	1.22	NO	108.20	108.20
6	116 PCB-153	43.38	43.38	2.713e5	2.235e5	1.240	1.21	NO	51.788	51.788
7	117 PCB-188	43.81	43.81	2.872e5	2.345e5	1.240	1.23	NO	54.247	54.247
8	118 PCB-141	44.14	44.16	2.328e5	1.875e5	1.240	1.24	NO	54.850	54.850



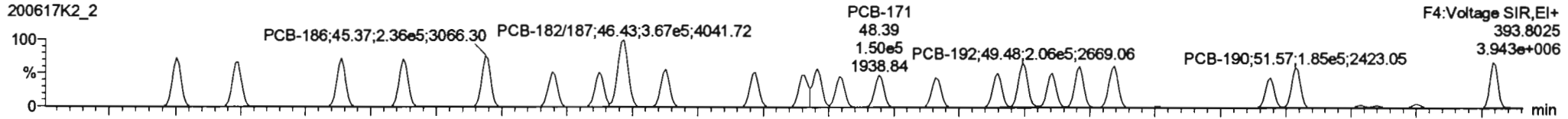
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

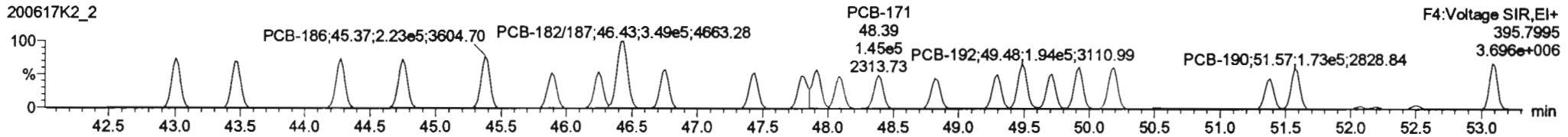
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**PCB-188**

200617K2\_2

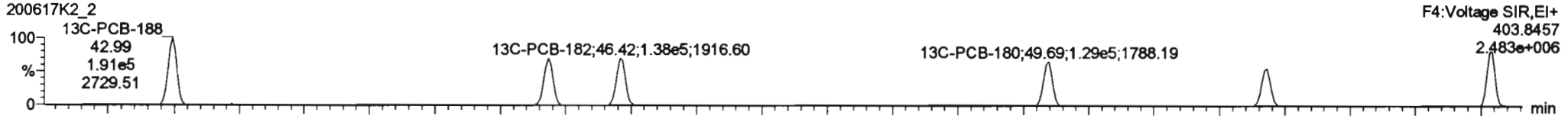


200617K2\_2

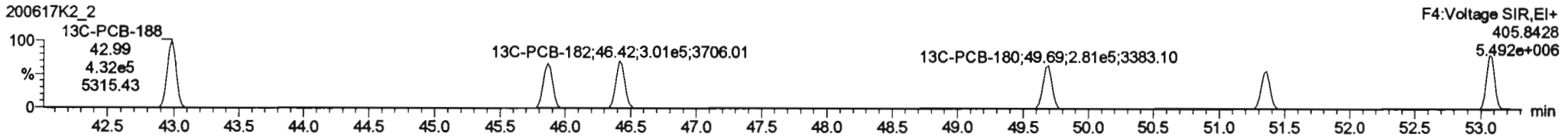


**13C-PCB-188**

200617K2\_2

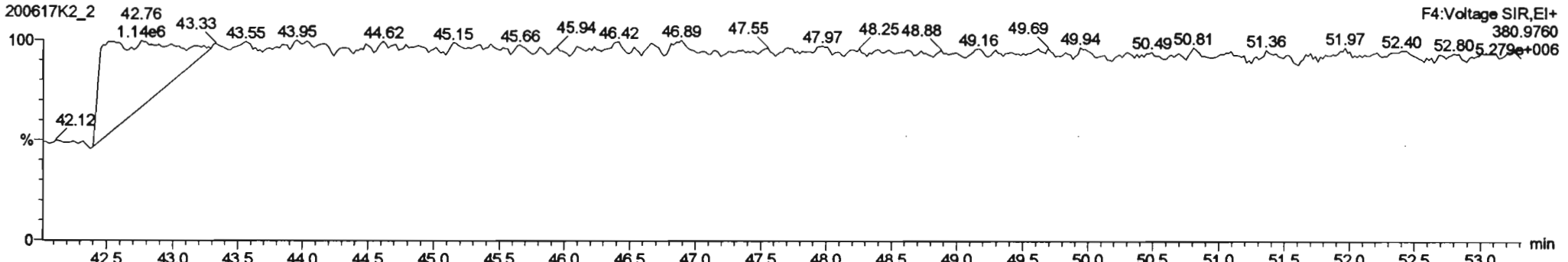


200617K2\_2



**PFK4c**

200617K2\_2





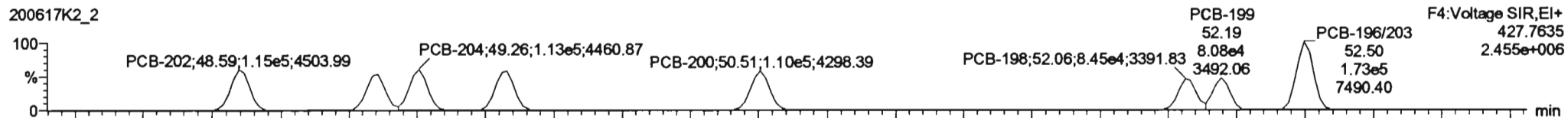
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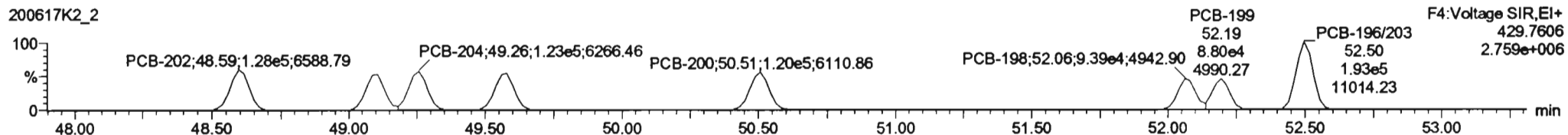
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**PCB-202**

200617K2\_2

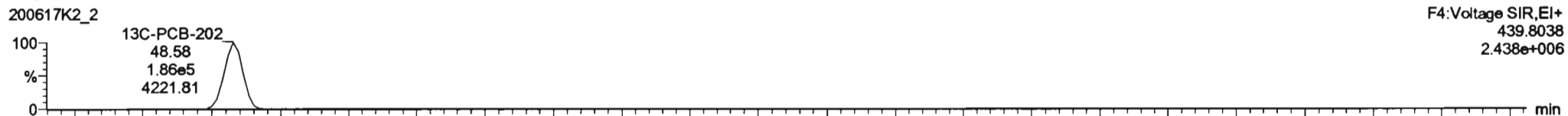


200617K2\_2

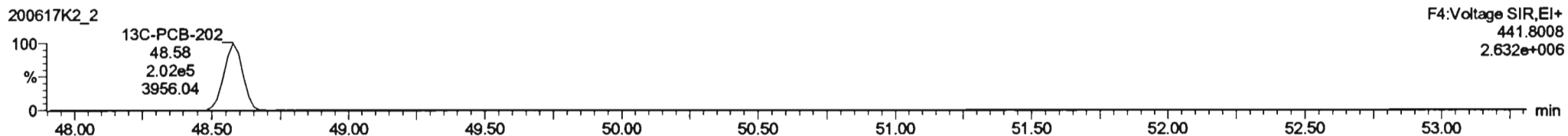


**13C-PCB-202**

200617K2\_2

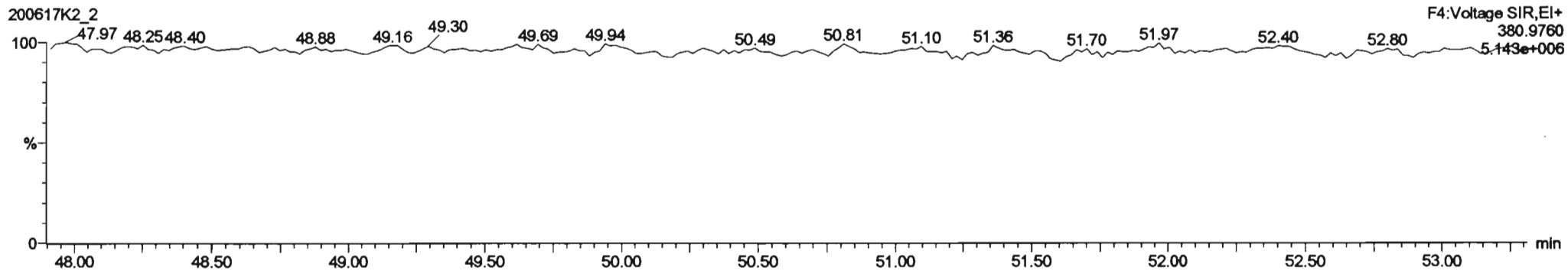


200617K2\_2



**PFK4d**

200617K2\_2



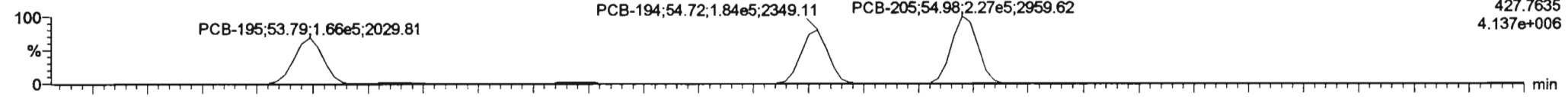
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

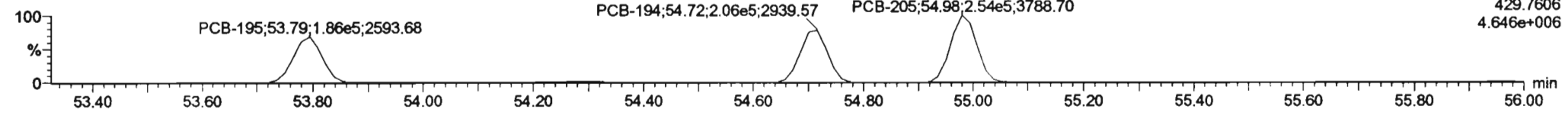
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**PCB-195**

200617K2\_2

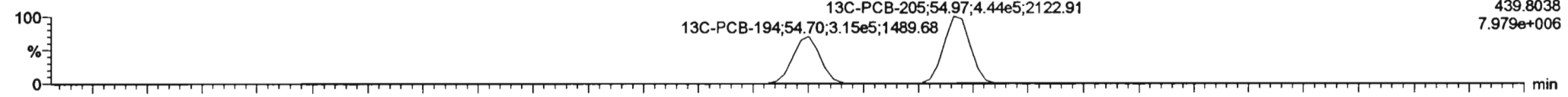


200617K2\_2

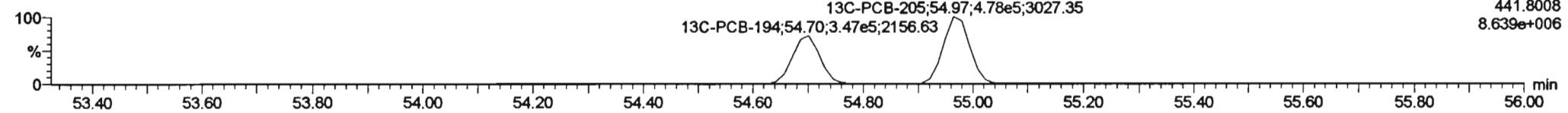


**13C-PCB-194**

200617K2\_2

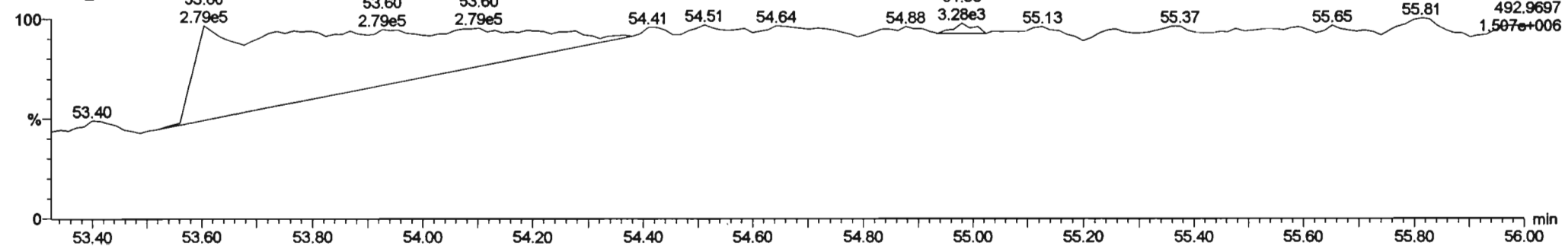


200617K2\_2



**PFK5a**

200617K2\_2



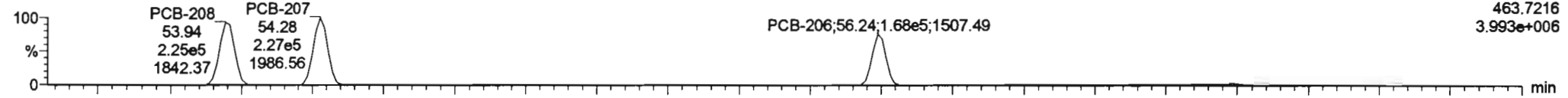
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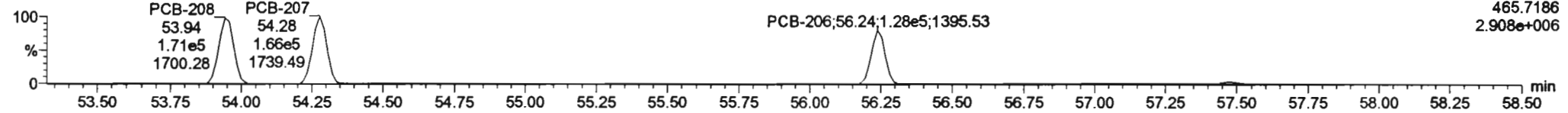
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**PCB-208**

200617K2\_2

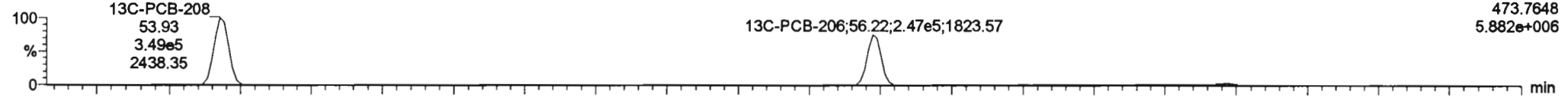


200617K2\_2

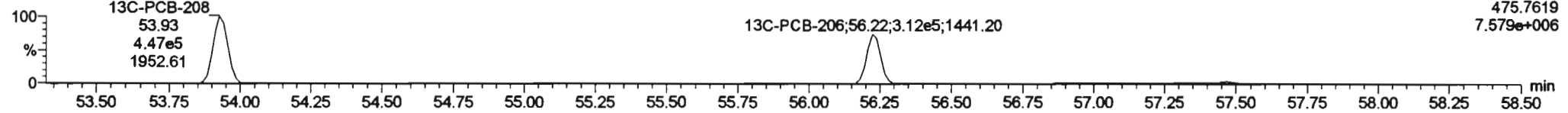


**13C-PCB-208**

200617K2\_2

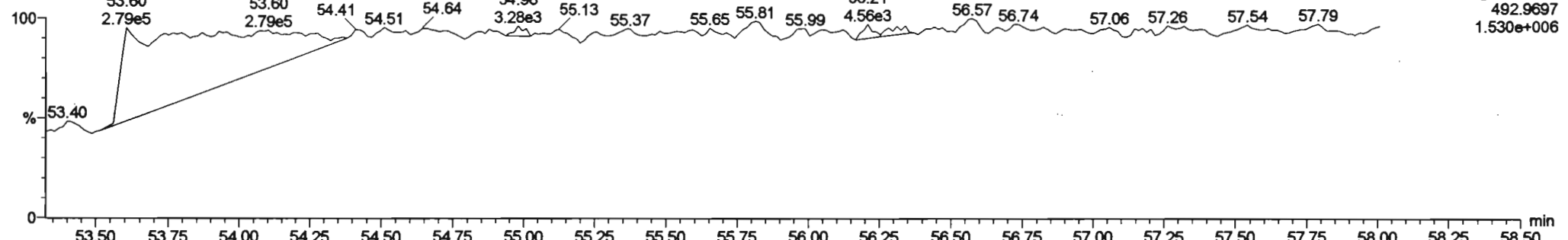


200617K2\_2



**PFK5**

200617K2\_2



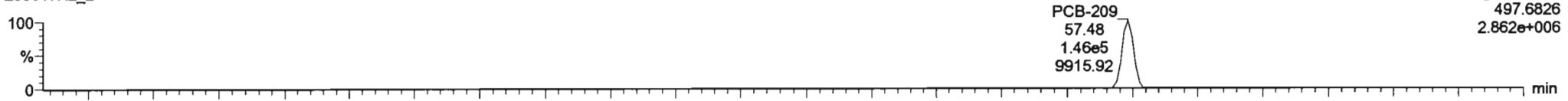
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

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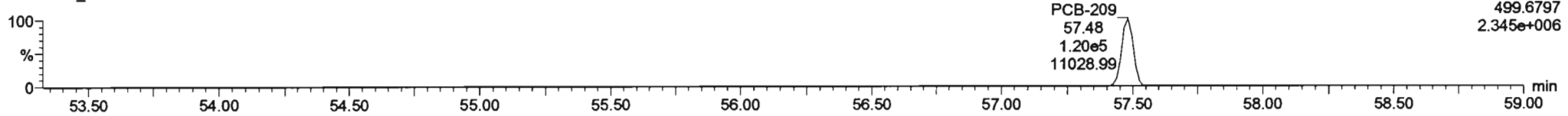
**PCB-209**

200617K2\_2



F5:Voltage SIR,EI+  
497.6826  
2.862e+006

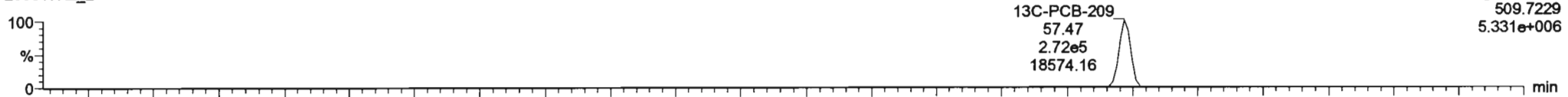
200617K2\_2



F5:Voltage SIR,EI+  
499.6797  
2.345e+006

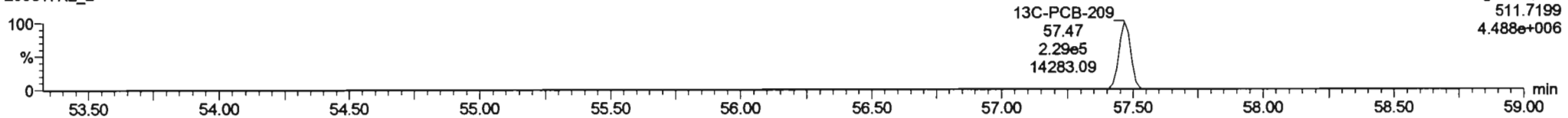
**13C-PCB-209**

200617K2\_2



F5:Voltage SIR,EI+  
509.7229  
5.331e+006

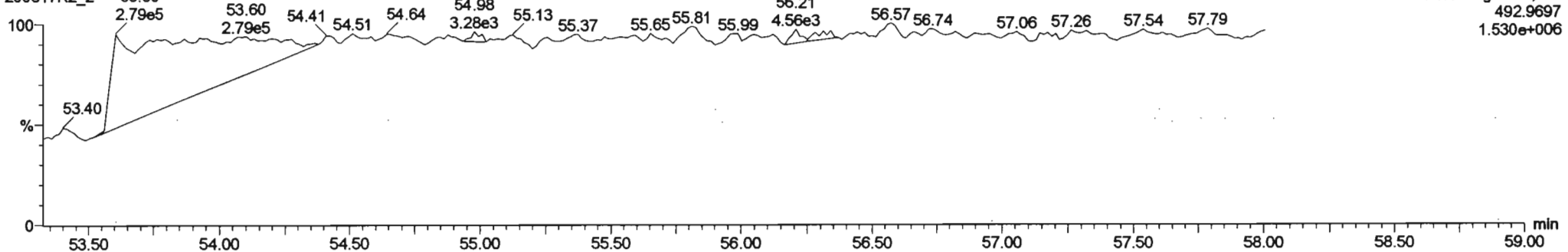
200617K2\_2



F5:Voltage SIR,EI+  
511.7199  
4.488e+006

**PFK5b**

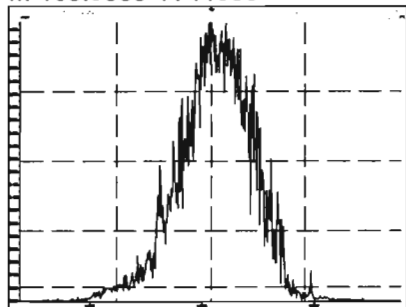
200617K2\_2



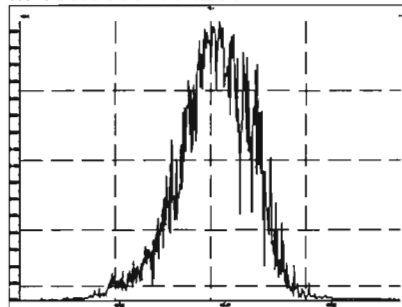
F5:Voltage SIR,EI+  
492.9697  
1.530e+006

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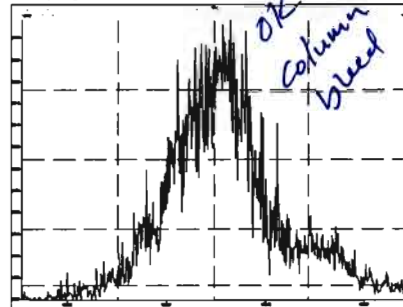
M 168.9888 R 11908



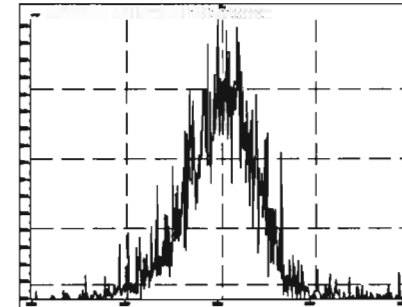
M 180.9888 R 12661



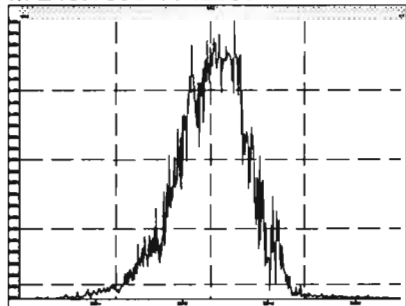
M 192.9888 R 7453



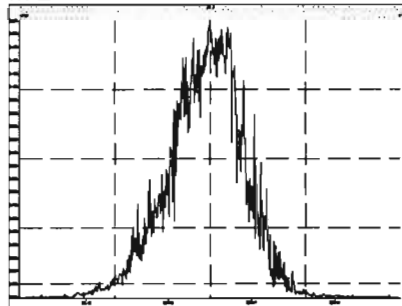
M 204.9888 R 15461



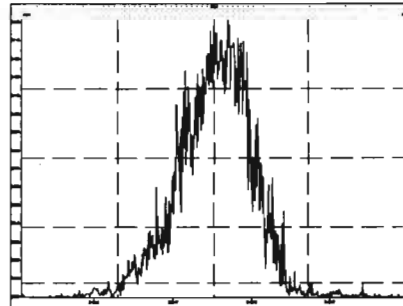
M 218.9856 R 12953



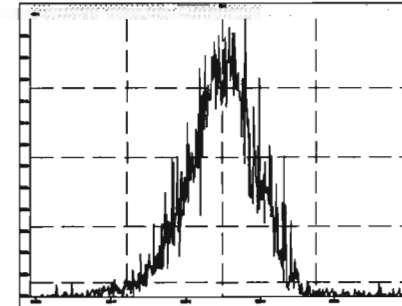
M 230.9856 R 11821



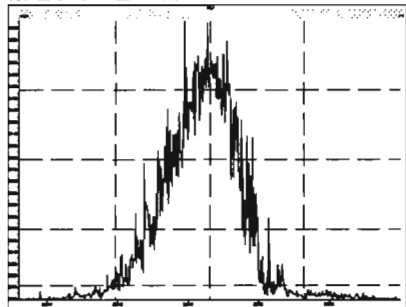
M 242.9856 R 12345



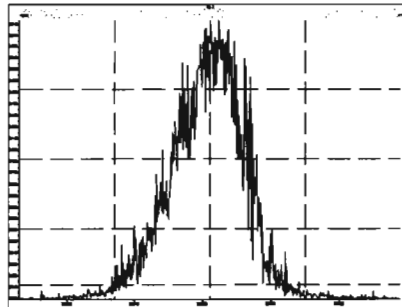
M 254.9856 R 13624



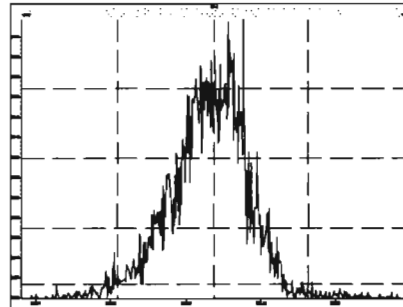
M 268.9824 R 13090



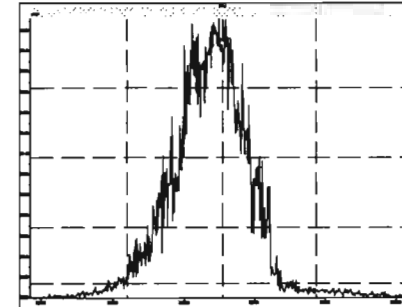
M 280.9824 R 13023



M 254.9856 R 12729

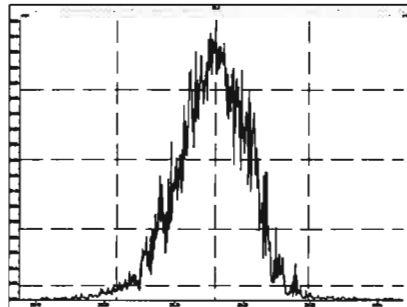


M 268.9824 R 12502

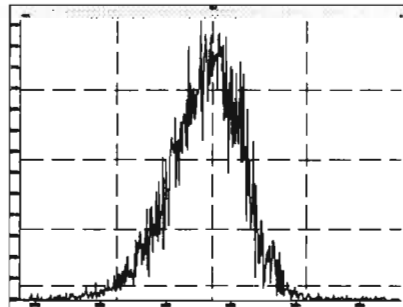


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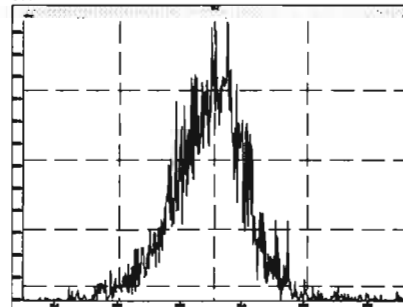
M 280.9824 R 13194



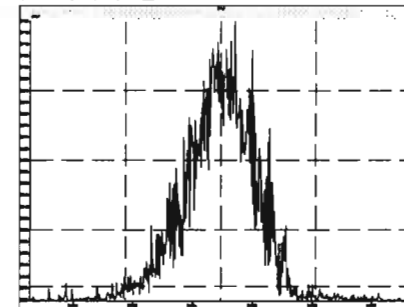
M 292.9824 R 13071



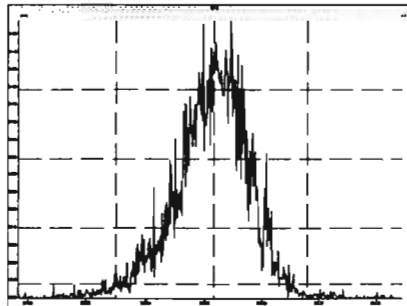
M 304.9824 R 13446



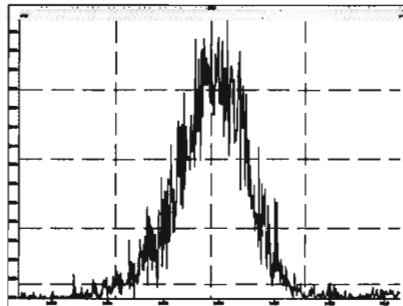
M 318.9792 R 13931



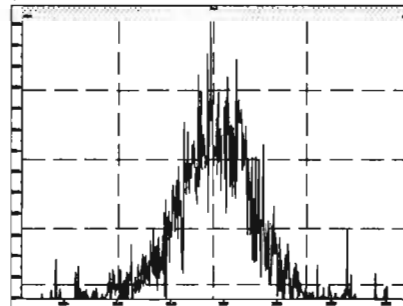
M 330.9792 R 13786



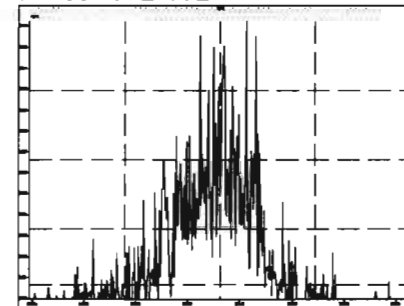
M 342.9792 R 12997



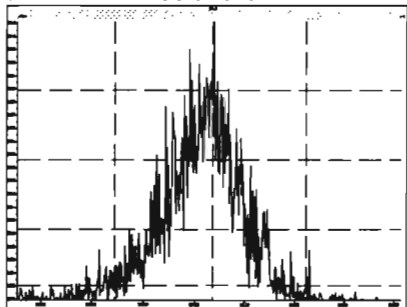
M 354.9792 R 16672



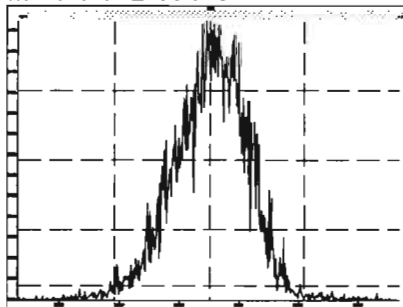
M 366.9792 R 20318



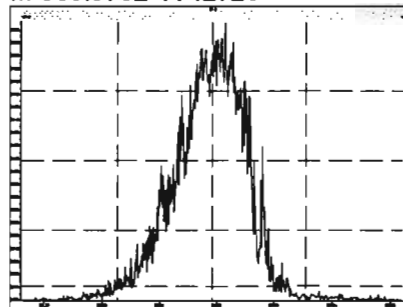
M 380.9760 R 13157



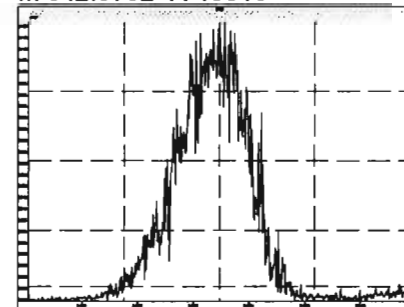
M 318.9792 R 13693



M 330.9792 R 12726

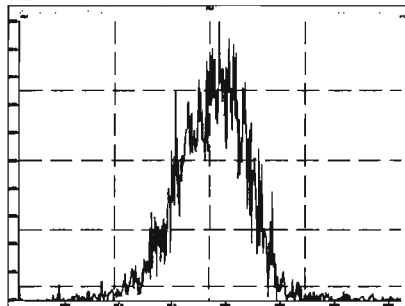


M 342.9792 R 13018

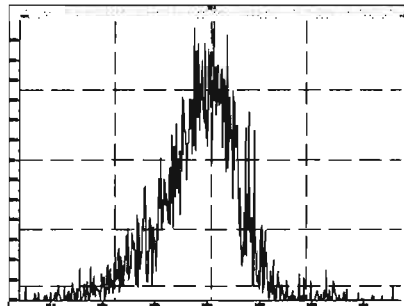


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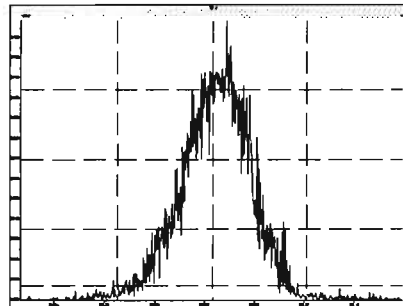
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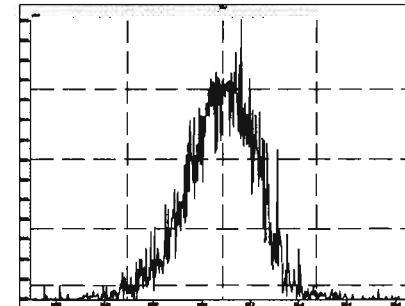
M 366.9792 R 14618



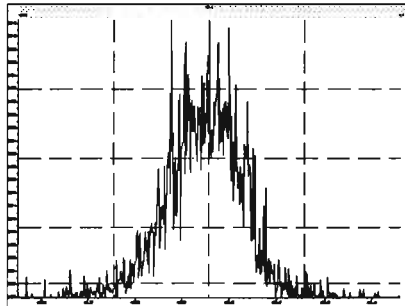
M 380.9760 R 13354



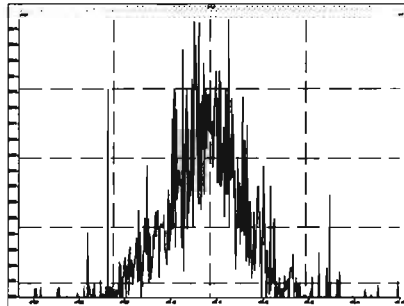
M 392.9760 R 15208



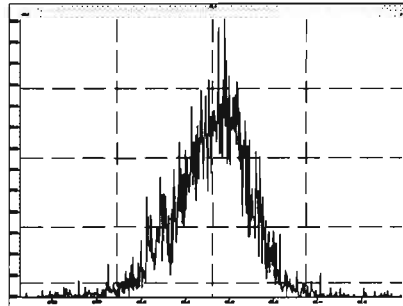
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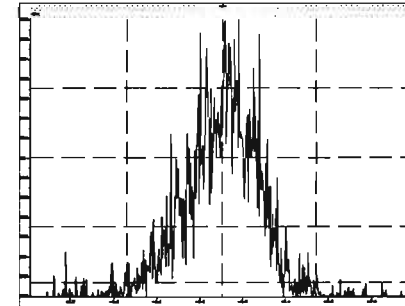
M 416.9760 R 15373



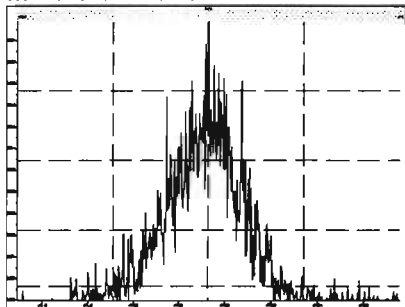
M 430.9728 R 13832



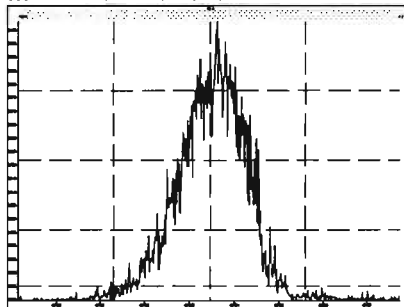
M 442.9728 R 13855



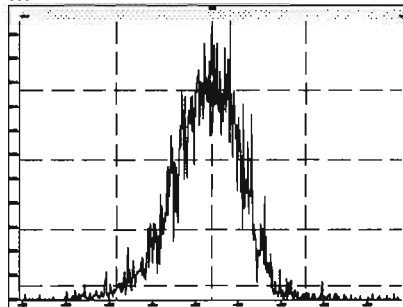
M 416.9760 R 16643



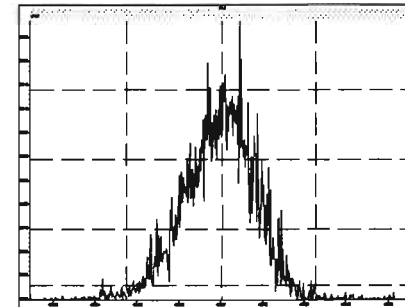
M 430.9728 R 13700



M 442.9728 R 14066

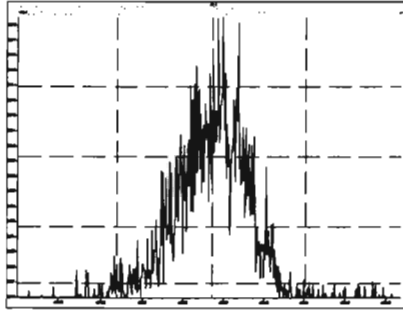


M 454.9728 R 12594

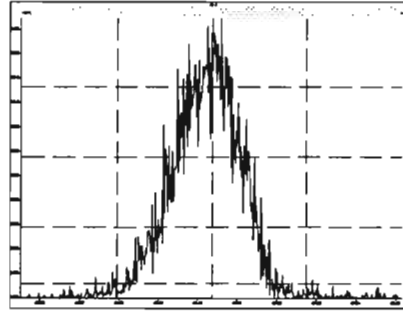


Printed: Thursday, June 18, 2020 09:51:50 Pacific Daylight Time

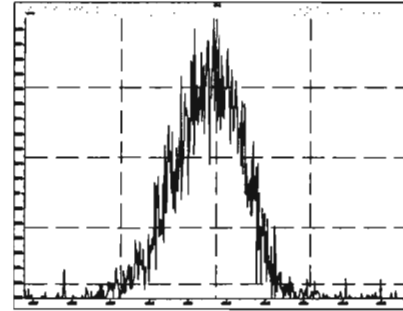
M 466.9728 R 15663



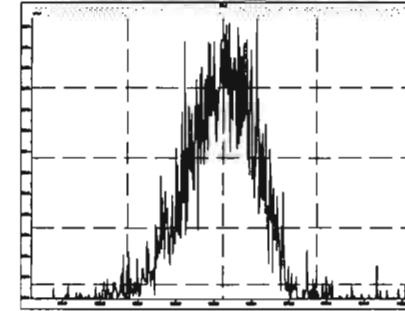
M 480.9696 R 13812



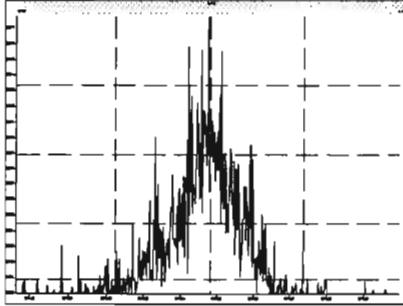
M 492.9696 R 15497



M 504.9696 R 14259



M 516.9697 R 20251





## **INITIAL CALIBRATION**

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

*hr 6/2/2020*

*GT 06/02/2020*

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

*Begin Rescheck: 1 mass under 10K*

*End Rescheck: some mass affected by column bleed.*

Method: Untitled 01 Jun 2020 09:39:00

Calibration: U:\VG11.PRO\CurveDB\cb1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

*-1 mass under 10K*

Compound name: PCB-1

Response Factor: 1.1683

RRF SD: 0.0700662, Relative SD: 5.99729

Response type: Internal Std ( Ref 169 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	ny	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	2.96	NO	15.52	1.001	6.24e3	2.37e6	0.225	-9.8	1.05	MM
200601K1_2	1.00	3.13	NO	15.53	1.001	2.90e4	2.53e6	0.981	-1.9	1.15	bb
200601K1_3	2.50	3.13	NO	15.56	1.002	7.00e4	2.46e6	2.44	-2.6	1.14	bb
200601K1_4	50.0	3.09	NO	15.54	1.001	1.47e6	2.44e6	51.7	3.3	1.21	bb
200601K1_5	400	3.02	NO	15.54	1.001	1.26e7	2.52e6	426	6.5	1.24	bb
200601K1_6	1000	3.09	NO	15.56	1.002	2.96e7	2.44e6	1040	4.4	1.22	bb

Compound name: PCB-2

Response Factor: 1.1828

RRF SD: 0.0716252, Relative SD: 6.05556

Response type: Internal Std ( Ref 170 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	ny	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	3.12	NO	17.93	0.988	8.58e3	2.41e6	0.231	-7.7	1.09	bb
200601K1_2	1.00	3.07	NO	17.94	0.988	2.89e4	2.58e6	0.945	-5.5	1.12	bb
200601K1_3	2.50	3.06	NO	17.95	0.988	7.31e4	2.54e6	2.43	-2.6	1.15	bb
200601K1_4	50.0	3.10	NO	17.95	0.988	1.51e6	2.46e6	51.9	3.8	1.23	bb
200601K1_5	400	3.09	NO	17.95	0.988	1.30e7	2.59e6	426	6.5	1.26	bb
200601K1_6	1000	3.10	NO	17.95	0.988	3.06e7	2.47e6	1060	5.6	1.25	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-3  
 Response Factor: 1.14833  
 RRF SD: 0.0822518, Relative SD: 7.16272  
 Response type: Internal Std ( Ref 170 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	3.08	NO	18.17	1.001	6.28e3	2.41e6	0.227	-9.2	1.04	MM
2	200601K1_2	1.00	2.84	NO	18.18	1.001	2.75e4	2.58e6	0.928	-7.2	1.07	bb
3	200601K1_3	2.50	3.01	NO	18.19	1.001	7.13e4	2.54e6	2.45	-2.1	1.12	bb
4	200601K1_4	50.0	3.06	NO	18.19	1.001	1.48e6	2.46e6	52.8	5.1	1.21	bb
5	200601K1_5	400	3.08	NO	18.19	1.001	1.27e7	2.59e6	428	7.1	1.23	bb
6	200601K1_6	1000	3.07	NO	18.19	1.001	3.01e7	2.47e6	1060	6.3	1.22	bb

Compound name: PCB-4/10  
 Response Factor: 1.24809  
 RRF SD: 0.0718691, Relative SD: 5.75833  
 Response type: Internal Std ( Ref 171 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.500	1.39	NO	19.58	1.004	9.34e3	1.57e6	0.477	-4.5	1.19	MM
2	200601K1_2	2.00	1.82	NO	19.59	1.004	4.01e4	1.72e6	1.87	-6.5	1.17	MM
3	200601K1_3	5.00	1.58	NO	19.60	1.004	9.94e4	1.67e6	4.78	-4.5	1.19	MM
4	200601K1_4	100	1.53	NO	19.60	1.004	2.09e6	1.62e6	104	3.5	1.29	MM
5	200601K1_5	800	1.55	NO	19.60	1.004	1.82e7	1.72e6	850	6.2	1.33	MM
6	200601K1_6	2000	1.55	NO	19.60	1.004	4.30e7	1.63e6	2110	5.7	1.32	MM

Compound name: PCB-7/9  
 Response Factor: 0.960107  
 RRF SD: 0.0555849, Relative SD: 5.76736  
 Response type: Internal Std ( Ref 172 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.500	1.37	NO	21.37	1.002	1.15e4	2.57e6	0.467	-6.8	0.896	MM
2	200601K1_2	2.00	1.86	NO	21.40	1.003	5.04e4	2.77e6	1.90	-5.2	0.910	MM

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 11:15:31 Pacific Daylight Time

Compound name: PCB-7/9

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	5.00	1.59	NO	21.38	1.002	1.26e5	2.71e6	4.84	-3.2	0.930	bb
200801K1_4	100	1.55	NO	21.41	1.003	2.56e6	2.81e6	103	2.5	0.985	bb
200801K1_5	800	1.55	NO	21.40	1.002	2.25e7	2.73e6	859	7.3	1.03	bb
200801K1_6	2000	1.55	NO	21.41	1.003	5.31e7	2.83e6	2100	5.1	1.01	bb

Compound name: PCB-8

Response Factor: 1.02356

RRF SD: 0.0533669, Relative SD: 5.21385

Response type: Internal Std ( Ref 172 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.35	NO	22.04	1.033	6.56e3	2.57e6	0.249	-0.3	1.02	MM
200801K1_2	1.00	1.61	NO	22.05	1.033	2.62e4	2.77e6	0.925	-7.5	0.947	bb
200801K1_3	2.50	1.52	NO	22.06	1.033	6.65e4	2.71e6	2.40	-4.1	0.981	bb
200801K1_4	50.0	1.56	NO	22.06	1.033	1.35e6	2.81e6	50.5	0.9	1.03	bb
200801K1_5	400	1.57	NO	22.06	1.033	1.19e7	2.73e6	425	6.4	1.09	bb
200801K1_6	1000	1.56	NO	22.06	1.033	2.82e7	2.83e6	1050	4.8	1.07	bb

Compound name: PCB-5/8

Response Factor: 0.992495

RRF SD: 0.0686245, Relative SD: 6.71283

Response type: Internal Std ( Ref 172 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.500	1.47	NO	22.45	1.053	1.15e4	2.57e6	0.452	-9.5	0.898	MM
200801K1_2	2.00	1.46	NO	22.45	1.052	5.24e4	2.77e6	1.91	-4.7	0.946	MM
200801K1_3	5.00	1.56	NO	22.46	1.052	1.31e5	2.71e6	4.86	-2.9	0.964	bb
200801K1_4	100	1.55	NO	22.46	1.052	2.88e6	2.81e6	103	3.5	1.03	bb
200801K1_5	800	1.55	NO	22.46	1.052	2.33e7	2.73e6	859	7.4	1.07	bb
200801K1_6	2000	1.55	NO	22.46	1.052	5.55e7	2.83e6	2120	6.2	1.05	bb

Dataset: U:\VG11.PROVResults\200601K1\200601K1-CRVB.qld

Last Altered: Tuesday, June 02, 2020 10:21:37 Pacific Daylight Time  
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Compound name: PCB-14  
 Response Factor: 1.01729  
 RRF SD: 0.0674193, Relative SD: 6.62732  
 Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	ny	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.49	NO	23.59	0.952	5.81e3	2.53e6	0.225	-9.8	0.917	MM
200601K1_2	1.00	1.55	NO	23.59	0.951	2.68e4	2.70e6	0.977	-2.3	0.994	bb
200601K1_3	2.50	1.59	NO	23.60	0.951	6.61e4	2.71e6	2.40	-4.1	0.975	bd
200601K1_4	50.0	1.57	NO	23.60	0.951	1.35e6	2.56e6	51.9	3.9	1.06	bb
200601K1_5	400	1.55	NO	23.60	0.951	1.19e7	2.70e6	433	8.3	1.10	bb
200601K1_6	1000	1.57	NO	23.60	0.951	2.85e7	2.69e6	1040	4.1	1.06	bb

Compound name: PCB-11  
 Response Factor: 1.12639  
 RRF SD: 0.0395035, Relative SD: 3.50708  
 Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	ny	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.34	NO	24.81	1.001	7.25e3	2.53e6	0.254	1.7	1.15	MM
200601K1_2	1.00	1.51	NO	24.81	1.001	2.94e4	2.70e6	0.967	-3.3	1.09	MM
200601K1_3	2.50	1.51	NO	24.82	1.001	7.22e4	2.71e6	2.37	-5.3	1.07	db
200601K1_4	50.0	1.57	NO	24.82	1.001	1.46e6	2.56e6	50.8	1.5	1.14	MM
200601K1_5	400	1.56	NO	24.82	1.001	1.26e7	2.70e6	415	3.8	1.17	db
200601K1_6	1000	1.57	NO	24.82	1.001	3.07e7	2.69e6	1020	1.8	1.14	db

Compound name: PCB-12/13  
 Response Factor: 1.02668  
 RRF SD: 0.0663406, Relative SD: 6.46163  
 Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	ny	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.36	NO	25.18	1.016	1.35e4	2.53e6	0.518	3.7	1.06	MM
200601K1_2	2.00	1.58	NO	25.25	1.016	5.17e4	2.70e6	1.87	-6.7	0.958	MM

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Compound name: PCB-12/13

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_3	5.00	1.60	NO	25.20	1.016	1.34e5	2.71e6	4.80	-4.0	0.985	MM
200801K1_4	100	1.54	NO	25.20	1.016	2.71e6	2.56e6	103	3.3	1.06	MM
200801K1_5	800	1.54	NO	25.20	1.016	2.37e7	2.70e6	855	6.9	1.10	MM
200801K1_6	2000	1.56	NO	25.20	1.016	5.78e7	2.69e6	2100	4.8	1.08	MM

Compound name: PCB-15

Response Factor: 1.03482

RRF SD: 0.0605674, Relative SD: 5.85293

Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.40	NO	25.53	1.030	6.04e3	2.53e6	0.231	-7.8	0.954	MM
200801K1_2	1.00	1.58	NO	25.54	1.030	2.67e4	2.70e6	0.954	-4.6	0.987	MM
200801K1_3	2.50	1.51	NO	25.55	1.030	6.80e4	2.71e6	2.42	-3.1	1.00	MM
200801K1_4	50.0	1.55	NO	25.55	1.030	1.39e6	2.56e6	52.4	4.7	1.06	MM
200801K1_5	400	1.55	NO	25.55	1.030	1.18e7	2.70e6	423	5.8	1.10	MM
200801K1_6	1000	1.55	NO	25.55	1.030	2.92e7	2.69e6	1050	4.9	1.09	MM

Compound name: PCB-19

Response Factor: 1.10626

RRF SD: 0.0710209, Relative SD: 6.41991

Response type: Internal Std ( Ref 174 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.12	NO	23.77	1.001	3.44e3	1.32e6	0.236	-5.6	1.04	MM
200801K1_2	1.00	1.08	NO	23.78	1.001	1.48e4	1.42e6	0.945	-5.5	1.05	bb
200801K1_3	2.50	1.05	NO	23.78	1.001	3.64e4	1.39e6	2.36	-5.7	1.04	MM
200801K1_4	50.0	1.01	NO	23.78	1.001	7.58e5	1.33e6	51.5	3.1	1.14	bb
200801K1_5	400	1.02	NO	23.78	1.001	6.75e6	1.40e6	435	6.8	1.20	bb
200801K1_6	1000	1.02	NO	23.78	1.001	1.61e7	1.39e6	1050	4.9	1.16	bb

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Compound name: PCB-30  
 Response Factor: 1.79419  
 RRF SD: 0.128021, Relative SD: 7.1353  
 Response type: Internal Std ( Ref 174 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.15	NO	24.68	1.039	5.58e3	1.32e6	0.238	-5.5	1.70	MM
200601K1_2	1.00	1.03	NO	24.69	1.039	2.35e4	1.42e6	0.926	-7.4	1.66	MM
200601K1_3	2.50	1.05	NO	24.70	1.039	5.87e4	1.39e6	2.35	-6.2	1.68	MM
200601K1_4	50.0	1.03	NO	24.70	1.039	1.24e6	1.33e6	52.0	4.0	1.87	bb
200601K1_5	400	1.01	NO	24.70	1.039	1.09e7	1.40e6	435	8.8	1.95	bb
200601K1_6	1000	1.03	NO	24.70	1.039	2.65e7	1.39e6	1080	6.3	1.91	bb

Compound name: PCB-18  
 Response Factor: 0.81773  
 RRF SD: 0.0320259, Relative SD: 3.91644  
 Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.07	NO	25.45	0.952	4.02e3	1.93e6	0.254	1.6	0.831	MM
200601K1_2	1.00	1.04	NO	25.46	0.952	1.62e4	2.07e6	0.957	-4.3	0.782	bd
200601K1_3	2.50	1.04	NO	25.46	0.952	3.92e4	2.03e6	2.37	-5.2	0.775	bd
200601K1_4	50.0	1.01	NO	25.47	0.952	8.23e5	1.97e6	51.0	2.0	0.834	bd
200601K1_5	400	1.03	NO	25.47	0.952	7.32e6	2.13e6	419	4.8	0.857	bd
200601K1_6	1000	1.02	NO	25.46	0.952	1.78e7	2.16e6	1010	1.0	0.826	bd

Compound name: PCB-17  
 Response Factor: 0.758399  
 RRF SD: 0.0346137, Relative SD: 4.56405  
 Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.04	NO	25.64	0.959	3.52e3	1.93e6	0.240	-3.8	0.729	MM
200601K1_2	1.00	1.09	NO	25.64	0.958	1.49e4	2.07e6	0.951	-4.9	0.721	db

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Compound name: PCB-17

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X= dropped
200601K1_3	2.50	1.04	NO	25.64	0.958	3.72e4	2.03e6	2.42	-3.2	0.734	MM
200601K1_4	50.0	1.01	NO	25.65	0.959	7.73e5	1.97e6	51.6	3.3	0.783	db
200601K1_5	400	1.04	NO	25.65	0.959	6.87e6	2.13e6	424	6.0	0.804	db
200601K1_6	1000	1.02	NO	25.65	0.959	1.68e7	2.16e6	1030	2.7	0.779	db

Compound name: PCB-24/27

Response Factor: 1.08206

RRF SD: 0.0492171, Relative SD: 4.54845

Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X= dropped
200601K1_1	0.500	1.04	NO	26.22	0.980	9.84e3	1.93e6	0.471	-5.8	1.02	MM
200601K1_2	2.00	1.02	NO	26.23	0.980	4.42e4	2.07e6	1.97	-1.4	1.07	bb
200601K1_3	5.00	1.02	NO	26.24	0.981	1.05e5	2.03e6	4.79	-4.2	1.04	bb
200601K1_4	100	1.02	NO	26.24	0.981	2.21e6	1.97e6	104	3.6	1.12	bb
200601K1_5	800	1.02	NO	26.24	0.981	1.95e7	2.13e6	845	5.6	1.14	bb
200601K1_6	2000	1.03	NO	26.24	0.981	4.77e7	2.16e6	2050	2.3	1.11	bb

Compound name: PCB-16/32

Response Factor: 0.925439

RRF SD: 0.0403363, Relative SD: 4.35861

Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X= dropped
200601K1_1	0.500	1.07	NO	26.75	1.000	8.78e3	1.93e6	0.491	-1.8	0.909	bb
200601K1_2	2.00	1.07	NO	26.76	1.000	3.61e4	2.07e6	1.88	-5.9	0.871	bb
200601K1_3	5.00	1.03	NO	26.77	1.001	9.09e4	2.03e6	4.85	-3.0	0.898	MM
200601K1_4	100	1.02	NO	26.77	1.001	1.87e6	1.97e6	103	2.8	0.950	bb
200601K1_5	800	1.02	NO	26.77	1.001	1.68e7	2.13e6	849	6.1	0.982	bb
200601K1_6	2000	1.01	NO	26.77	1.001	4.07e7	2.16e6	2040	2.0	0.944	bb



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Compound name: PCB-34  
 Response Factor: 0.945495  
 RRF SD: 0.0781691, Relative SD: 8.26754  
 Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	nty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.14	NO	27.58	0.959	4.74e3	2.38e6	0.211	-15.8	0.797	MM
2	200601K1_2	1.00	1.01	NO	27.58	0.959	2.43e4	2.38e6	1.08	8.0	1.02	bd
3	200601K1_3	2.50	1.02	NO	27.58	0.959	5.47e4	2.33e6	2.48	-0.8	0.939	bd
4	200601K1_4	50.0	1.05	NO	27.58	0.959	1.08e6	2.26e6	50.5	0.9	0.954	bd
5	200601K1_5	400	1.08	NO	27.58	0.959	9.47e6	2.40e6	418	4.4	0.987	bd
6	200601K1_6	1000	1.03	NO	27.58	0.959	2.33e7	2.39e6	1030	3.1	0.975	bd

Compound name: PCB-23  
 Response Factor: 0.882931  
 RRF SD: 0.0420273, Relative SD: 4.75998  
 Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	nty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.03	NO	27.67	0.962	5.14e3	2.38e6	0.245	-2.0	0.865	MM
2	200601K1_2	1.00	1.07	NO	27.67	0.962	1.97e4	2.38e6	0.935	-6.5	0.826	db
3	200601K1_3	2.50	1.04	NO	27.67	0.962	4.95e4	2.33e6	2.40	-3.8	0.849	db
4	200601K1_4	50.0	1.05	NO	27.67	0.962	1.05e6	2.26e6	52.8	5.3	0.930	dd
5	200601K1_5	400	1.07	NO	27.67	0.962	8.81e6	2.40e6	416	3.9	0.918	db
6	200601K1_6	1000	1.07	NO	27.67	0.962	2.18e7	2.39e6	1030	3.1	0.910	db

Compound name: PCB-29  
 Response Factor: 0.892811  
 RRF SD: 0.0395517, Relative SD: 4.43002  
 Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	nty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.11	NO	27.91	0.971	4.92e3	2.38e6	0.232	-7.2	0.828	MM
2	200601K1_2	1.00	1.12	NO	27.93	0.971	2.20e4	2.38e6	1.03	3.1	0.921	bd

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**Compound name: PCB-29**

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	2.50	1.01	NO	27.93	0.971	5.03e4	2.33e6	2.42	-3.2	0.864	bd
200601K1_4	50.0	1.06	NO	27.93	0.971	1.02e6	2.26e6	50.2	0.5	0.897	dd
200601K1_5	400	1.06	NO	27.93	0.971	8.95e6	2.40e6	418	4.5	0.933	bb
200601K1_6	1000	1.02	NO	27.93	0.971	2.19e7	2.39e6	1020	2.4	0.914	bb

**Compound name: PCB-26**

Response Factor: 0.943921

RRF SD: 0.0501146, Relative SD: 5.3082

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.09	NO	28.14	0.979	5.11e3	2.38e6	0.227	-9.0	0.859	MM
200601K1_2	1.00	1.04	NO	28.16	0.979	2.24e4	2.38e6	0.996	-0.4	0.940	dd
200601K1_3	2.50	1.07	NO	28.16	0.979	5.36e4	2.33e6	2.44	-2.4	0.921	dd
200601K1_4	50.0	1.06	NO	28.16	0.979	1.10e6	2.26e6	51.3	2.5	0.968	dd
200601K1_5	400	1.07	NO	28.16	0.979	9.80e6	2.40e6	424	5.9	1.00	bd
200601K1_6	1000	1.04	NO	28.16	0.979	2.34e7	2.39e6	1030	3.4	0.976	bd

**Compound name: PCB-25**

Response Factor: 0.949875

RRF SD: 0.0334033, Relative SD: 3.5166

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.13	NO	28.31	0.984	5.29e3	2.38e6	0.234	-6.4	0.889	MM
200601K1_2	1.00	1.09	NO	28.32	0.984	2.23e4	2.38e6	0.985	-1.5	0.935	db
200601K1_3	2.50	1.03	NO	28.32	0.984	5.65e4	2.33e6	2.55	2.1	0.970	db
200601K1_4	50.0	1.08	NO	28.32	0.984	1.08e6	2.26e6	50.4	0.7	0.957	db
200601K1_5	400	1.04	NO	28.32	0.984	9.41e6	2.40e6	413	3.2	0.960	db
200601K1_6	1000	1.04	NO	28.32	0.984	2.32e7	2.39e6	1020	1.9	0.968	db

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Compound name: PCB-31  
 Response Factor: 1.03628  
 RRF SD: 0.032755, Relative SD: 3.16084  
 Response type: Internal Std ( Ref 178 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.250	1.10	NO	28.68	0.997	6.02e3	2.38e6	0.244	-2.3	1.01	MM
2	200801K1_2	1.00	1.05	NO	28.68	0.997	2.45e4	2.38e6	0.993	-0.7	1.03	bd
3	200801K1_3	2.50	1.03	NO	28.68	0.997	5.91e4	2.33e6	2.45	-2.1	1.01	MM
4	200801K1_4	50.0	1.14	NO	28.68	0.997	1.15e6	2.26e6	48.9	-2.1	1.01	bd
5	200801K1_5	400	1.07	NO	28.68	0.997	1.05e7	2.40e6	423	5.8	1.10	bd
6	200801K1_6	1000	1.02	NO	28.68	0.997	2.52e7	2.39e6	1010	1.4	1.05	bd

Compound name: PCB-28  
 Response Factor: 1.025  
 RRF SD: 0.0755239, Relative SD: 7.36817  
 Response type: Internal Std ( Ref 178 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.250	1.17	NO	28.77	1.001	5.28e3	2.38e6	0.217	-13.3	0.889	MM
2	200801K1_2	1.00	1.04	NO	28.79	1.001	2.41e4	2.38e6	0.984	-1.6	1.01	db
3	200801K1_3	2.50	1.08	NO	28.79	1.001	5.88e4	2.33e6	2.46	-1.5	1.01	db
4	200801K1_4	50.0	1.08	NO	28.79	1.001	1.22e6	2.26e6	52.7	5.5	1.08	db
5	200801K1_5	400	1.08	NO	28.79	1.001	1.04e7	2.40e6	424	6.0	1.09	db
6	200801K1_6	1000	1.02	NO	28.79	1.001	2.57e7	2.39e6	1050	4.9	1.08	db

Compound name: PCB-20/21/33  
 Response Factor: 0.941292  
 RRF SD: 0.0455201, Relative SD: 4.83592  
 Response type: Internal Std ( Ref 178 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.750	1.00	NO	29.40	1.023	1.56e4	2.38e6	0.697	-7.1	0.875	MM
2	200801K1_2	3.00	1.08	NO	29.42	1.023	6.54e4	2.38e6	2.91	-2.9	0.914	bb

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Compound name: PCB-20/21/33

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	7.50	1.06	NO	29.42	1.023	1.62e5	2.33e6	7.38	-1.6	0.928	bb
200601K1_4	150	1.07	NO	29.42	1.023	3.24e6	2.28e6	152	1.5	0.955	bb
200601K1_5	1200	1.05	NO	29.42	1.023	2.88e7	2.40e6	1270	6.2	1.00	bb
200601K1_6	3000	1.03	NO	29.42	1.023	7.01e7	2.39e6	3110	3.8	0.977	bb

Compound name: PCB-22

Response Factor: 0.972852

RRF SD: 0.0679212, Relative SD: 6.98165

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	0.91	NO	29.87	1.039	5.07e3	2.38e6	0.219	-12.4	0.853	MM
200601K1_2	1.00	1.14	NO	29.87	1.038	2.26e4	2.38e6	0.972	-2.8	0.948	db
200601K1_3	2.50	1.08	NO	29.89	1.039	5.67e4	2.33e6	2.50	0.1	0.974	bb
200601K1_4	50.0	1.06	NO	29.89	1.039	1.14e6	2.28e6	51.5	3.1	1.00	bb
200601K1_5	400	1.09	NO	29.89	1.039	9.79e6	2.40e6	419	4.8	1.02	bb
200601K1_6	1000	1.06	NO	29.89	1.039	2.49e7	2.39e6	1070	7.1	1.04	bb

Compound name: PCB-36

Response Factor: 1.07599

RRF SD: 0.05125, Relative SD: 4.76304

Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	0.99	NO	30.50	0.931	5.49e3	2.11e6	0.242	-3.2	1.04	bb
200601K1_2	1.00	0.98	NO	30.50	0.931	2.35e4	2.28e6	0.969	-3.1	1.04	bb
200601K1_3	2.50	1.05	NO	30.50	0.931	5.71e4	2.28e6	2.34	-6.3	1.01	MM
200601K1_4	50.0	1.06	NO	30.52	0.932	1.16e6	2.09e6	51.5	3.1	1.11	bb
200601K1_5	400	1.10	NO	30.52	0.932	9.81e6	2.17e6	421	5.2	1.13	db
200601K1_6	1000	1.05	NO	30.52	0.931	2.55e7	2.27e6	1040	4.3	1.12	db

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Compound name: PCB-39  
 Response Factor: 0.968291  
 RRF SD: 0.0625968, Relative SD: 6.33405  
 Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.06	NO	30.99	0.946	4.77e3	2.11e6	0.229	-8.5	0.904	bb
2	200601K1_2	1.00	1.01	NO	30.99	0.946	2.15e4	2.26e6	0.964	-3.6	0.953	MM
3	200601K1_3	2.50	1.06	NO	30.99	0.946	5.36e4	2.26e6	2.40	-4.2	0.947	db
4	200601K1_4	50.0	1.09	NO	31.00	0.947	1.07e6	2.09e6	51.7	3.3	1.02	db
5	200601K1_5	400	1.09	NO	31.00	0.947	9.22e6	2.17e6	431	7.6	1.06	db
6	200601K1_6	1000	1.04	NO	31.00	0.946	2.36e7	2.27e6	1050	5.3	1.04	db

Compound name: PCB-38  
 Response Factor: 1.05188  
 RRF SD: 0.0526736, Relative SD: 5.00759  
 Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.13	NO	31.78	0.970	5.42e3	2.11e6	0.244	-2.2	1.03	MM
2	200601K1_2	1.00	1.07	NO	31.78	0.970	2.26e4	2.26e6	0.953	-4.7	1.00	dd
3	200601K1_3	2.50	1.04	NO	31.78	0.970	5.62e4	2.26e6	2.36	-5.5	0.994	dd
4	200601K1_4	50.0	1.09	NO	31.78	0.970	1.12e6	2.09e6	51.0	2.1	1.07	dd
5	200601K1_5	400	1.05	NO	31.78	0.970	9.81e6	2.17e6	430	7.5	1.13	dd
6	200601K1_6	1000	1.03	NO	31.78	0.970	2.45e7	2.27e6	1030	2.8	1.08	dd

Compound name: PCB-35  
 Response Factor: 1.04369  
 RRF SD: 0.0671055, Relative SD: 6.42963  
 Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	n/y	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200601K1_1	0.250	0.95	NO	32.33	0.987	5.10e3	2.11e6	0.232	-7.2	0.968	bb
2	200601K1_2	1.00	1.07	NO	32.33	0.987	2.27e4	2.26e6	0.964	-3.6	1.01	MM

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Compound name: PCB-35

Name	Std. Conc.	RA	Hy	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	2.50	1.01	NO	32.33	0.967	5.53e4	2.26e6	2.34	-6.4	0.977	db
200801K1_4	50.0	1.07	NO	32.33	0.967	1.15e6	2.09e6	52.5	5.0	1.10	dd
200801K1_5	400	1.08	NO	32.33	0.967	9.64e6	2.17e6	426	6.8	1.11	dd
200801K1_6	1000	1.08	NO	32.33	0.966	2.50e7	2.27e6	1060	5.6	1.10	dd

Compound name: PCB-37

Response Factor: 1.00907

RRF SD: 0.0813948, Relative SD: 8.0663

Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Hy	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.04	NO	32.77	1.000	4.58e3	2.11e6	0.215	-13.9	0.869	MM
200801K1_2	1.00	1.09	NO	32.77	1.000	2.21e4	2.26e6	0.972	-2.8	0.981	MM
200801K1_3	2.50	1.04	NO	32.77	1.000	5.65e4	2.26e6	2.47	-1.0	0.999	MM
200801K1_4	50.0	1.05	NO	32.79	1.001	1.10e6	2.09e6	51.9	3.8	1.05	MM
200801K1_5	400	1.04	NO	32.79	1.001	9.57e6	2.17e6	437	9.4	1.10	MM
200801K1_6	1000	1.04	NO	32.79	1.001	2.39e7	2.27e6	1050	4.6	1.06	MM

Compound name: PCB-54

Response Factor: 1.07963

RRF SD: 0.0563853, Relative SD: 5.22166

Response type: Internal Std ( Ref 178 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Hy	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	0.74	NO	27.62	1.001	4.22e3	1.88e6	0.232	-7.1	1.00	MM
200801K1_2	1.00	0.80	NO	27.64	1.001	1.98e4	1.85e6	0.990	-1.0	1.07	bb
200801K1_3	2.50	0.78	NO	27.64	1.001	4.63e4	1.80e6	2.38	-4.9	1.03	bb
200801K1_4	50.0	0.78	NO	27.64	1.001	9.76e5	1.75e6	51.6	3.2	1.11	bb
200801K1_5	400	0.79	NO	27.64	1.001	8.59e6	1.88e6	422	5.8	1.14	bb
200801K1_6	1000	0.77	NO	27.64	1.001	2.11e7	1.88e6	1040	4.2	1.13	bb

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Compound name: PCB-50  
 Response Factor: 0.879558  
 RRF SD: 0.0380434, Relative SD: 4.3253  
 Response type: Internal Std ( Ref 178 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.79	NO	28.83	1.044	3.74e3	1.68e6	0.252	1.0	0.888	MM
200601K1_2	1.00	0.80	NO	28.83	1.044	1.52e4	1.85e6	0.932	-6.8	0.820	bb
200601K1_3	2.50	0.75	NO	28.83	1.044	3.83e4	1.80e6	2.41	-3.4	0.849	bb
200601K1_4	50.0	0.75	NO	28.84	1.044	7.79e5	1.75e6	50.8	1.2	0.890	bb
200601K1_5	400	0.75	NO	28.84	1.044	6.88e6	1.88e6	415	3.8	0.913	bb
200601K1_6	1000	0.76	NO	28.84	1.044	1.72e7	1.88e6	1040	4.3	0.917	bb

Compound name: PCB-53  
 Response Factor: 0.998734  
 RRF SD: 0.0611951, Relative SD: 6.13956  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.84	NO	29.50	0.944	3.27e3	1.37e6	0.240	-4.0	0.956	MM
200601K1_2	1.00	0.75	NO	29.50	0.943	1.40e4	1.50e6	0.934	-6.8	0.931	MM
200601K1_3	2.50	0.78	NO	29.50	0.943	3.39e4	1.44e6	2.35	-5.8	0.939	bb
200601K1_4	50.0	0.77	NO	29.51	0.944	7.19e5	1.38e6	52.4	4.8	1.04	bb
200601K1_5	400	0.78	NO	29.51	0.944	6.47e6	1.51e6	429	7.3	1.07	bb
200601K1_6	1000	0.78	NO	29.51	0.944	1.80e7	1.54e6	1040	4.3	1.04	bb

Compound name: PCB-51  
 Response Factor: 1.08521  
 RRF SD: 0.0690475, Relative SD: 6.48207  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.77	NO	29.85	0.955	3.29e3	1.37e6	0.226	-9.4	0.965	MM
200601K1_2	1.00	0.81	NO	29.85	0.955	1.58e4	1.50e6	0.978	-2.2	1.04	MM

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**Compound name: PCB-51**

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	2.50	0.79	NO	29.85	0.955	3.69e4	1.44e6	2.40	-4.1	1.02	bb
200601K1_4	50.0	0.77	NO	29.85	0.955	7.80e5	1.38e6	53.2	6.4	1.13	bb
200601K1_5	400	0.76	NO	29.85	0.955	6.92e6	1.51e6	430	7.4	1.14	bb
200601K1_6	1000	0.78	NO	29.85	0.955	1.87e7	1.54e6	1020	2.0	1.09	bb

**Compound name: PCB-45**

Response Factor: 0.858411

RRF SD: 0.0476675, Relative SD: 5.55299

Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	0.86	NO	30.30	0.970	2.69e3	1.37e6	0.229	-8.4	0.766	MM
200601K1_2	1.00	0.77	NO	30.30	0.969	1.23e4	1.50e6	0.954	-4.6	0.819	bb
200601K1_3	2.50	0.80	NO	30.30	0.969	3.11e4	1.44e6	2.51	0.3	0.861	bb
200601K1_4	50.0	0.77	NO	30.30	0.969	6.21e5	1.38e6	52.5	5.1	0.902	bb
200601K1_5	400	0.79	NO	30.30	0.969	5.49e6	1.51e6	423	5.8	0.908	bb
200601K1_6	1000	0.79	NO	30.30	0.969	1.34e7	1.54e6	1020	1.9	0.874	bb

**Compound name: PCB-46**

Response Factor: 0.830725

RRF SD: 0.0416585, Relative SD: 5.01471

Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	0.70	NO	30.80	0.986	2.61e3	1.37e6	0.230	-8.0	0.765	MM
200601K1_2	1.00	0.77	NO	30.80	0.985	1.25e4	1.50e6	1.00	0.4	0.834	bb
200601K1_3	2.50	0.75	NO	30.80	0.985	2.68e4	1.44e6	2.40	-3.9	0.798	bb
200601K1_4	50.0	0.77	NO	30.80	0.985	5.95e5	1.38e6	52.0	4.1	0.865	bb
200601K1_5	400	0.75	NO	30.80	0.985	5.26e6	1.51e6	419	4.8	0.870	bb
200601K1_6	1000	0.78	NO	30.80	0.985	1.31e7	1.54e6	1030	2.7	0.853	bb



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Compound name: PCB-52/69  
 Response Factor: 1.18655  
 RRF SD: 0.0541044, Relative SD: 4.63798  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.500	0.86	NO	31.28	1.001	7.66e3	1.37e6	0.481	-3.8	1.12	MM
200801K1_2	2.00	0.79	NO	31.30	1.001	3.38e4	1.50e6	1.93	-3.4	1.13	bd
200801K1_3	5.00	0.79	NO	31.30	1.001	7.99e4	1.44e6	4.74	-5.2	1.11	bd
200801K1_4	100	0.76	NO	31.30	1.001	1.67e6	1.38e6	104	3.9	1.21	bd
200801K1_5	800	0.77	NO	31.30	1.001	1.49e7	1.51e6	845	5.6	1.23	bd
200801K1_6	2000	0.78	NO	31.30	1.001	3.69e7	1.54e6	2060	2.9	1.20	bd

Compound name: PCB-73  
 Response Factor: 1.44314  
 RRF SD: 0.12369, Relative SD: 6.57088  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	0.70	NO	31.41	1.005	4.29e3	1.37e6	0.218	-12.9	1.26	dd
200801K1_2	1.00	0.73	NO	31.41	1.005	2.10e4	1.50e6	0.971	-2.9	1.40	dd
200801K1_3	2.50	0.77	NO	31.41	1.005	4.90e4	1.44e6	2.35	-5.9	1.36	dd
200801K1_4	50.0	0.79	NO	31.41	1.005	1.06e6	1.38e6	53.5	7.0	1.54	dd
200801K1_5	400	0.77	NO	31.41	1.005	9.42e6	1.51e6	432	8.0	1.56	dd
200801K1_6	1000	0.77	NO	31.41	1.005	2.36e7	1.54e6	1070	6.7	1.54	dd

Compound name: PCB-43/49  
 Response Factor: 1.01613  
 RRF SD: 0.0523973, Relative SD: 5.15654  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.500	0.86	NO	31.56	1.011	6.71e3	1.37e6	0.483	-3.3	0.982	db
200801K1_2	2.00	0.78	NO	31.58	1.010	2.91e4	1.50e6	1.91	-4.4	0.972	dd

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Compound name: PCB-43/49

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	5.00	0.78	NO	31.58	1.010	6.88e4	1.44e6	4.69	-6.2	0.953	dd
200601K1_4	100	0.77	NO	31.80	1.011	1.47e6	1.38e6	105	5.1	1.07	dd
200601K1_5	800	0.77	NO	31.58	1.010	1.28e7	1.51e6	835	4.4	1.06	dd
200601K1_6	2000	0.77	NO	31.58	1.010	3.26e7	1.54e6	2090	4.4	1.06	dd

Compound name: PCB-47

Response Factor: 0.92191

RRF SD: 0.0589335, Relative SD: 6.39255

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	0.70	NO	31.78	1.001	3.20e3	1.44e6	0.241	-3.4	0.891	bd
200601K1_2	1.00	0.76	NO	31.80	1.001	1.48e4	1.59e6	1.00	0.4	0.928	dd
200601K1_3	2.50	0.79	NO	31.80	1.001	3.29e4	1.53e6	2.33	-6.7	0.880	dd
200601K1_4	50.0	0.77	NO	31.80	1.001	7.69e5	1.49e6	56.0	11.9	1.03	dd
200601K1_5	400	0.76	NO	31.80	1.001	5.90e6	1.80e6	400	-0.1	0.921	dd
200601K1_6	1000	0.76	NO	31.80	1.001	1.50e7	1.66e6	979	-2.1	0.902	dd

Compound name: PCB-48/75

Response Factor: 1.12021

RRF SD: 0.0667822, Relative SD: 5.96157

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.500	0.75	NO	31.90	1.004	7.31e3	1.44e6	0.454	-9.3	1.02	db
200601K1_2	2.00	0.76	NO	31.92	1.005	3.52e4	1.59e6	1.97	-1.5	1.10	db
200601K1_3	5.00	0.79	NO	31.92	1.004	8.41e4	1.53e6	4.91	-1.9	1.10	db
200601K1_4	100	0.77	NO	31.92	1.004	1.66e6	1.49e6	99.7	-0.3	1.12	db
200601K1_5	800	0.78	NO	31.92	1.004	1.54e7	1.60e6	859	7.4	1.20	db
200601K1_6	2000	0.76	NO	31.92	1.004	3.92e7	1.68e6	2110	5.8	1.18	db

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Compound name: PCB-85  
 Response Factor: 1.28219  
 RRF SD: 0.0574331, Relative SD: 4.47931  
 Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.250	0.88	NO	32.18	1.013	4.34e3	1.44e6	0.236	-5.8	1.21	bd
2	200801K1_2	1.00	0.85	NO	32.19	1.013	1.96e4	1.59e6	0.959	-4.1	1.23	bd
3	200801K1_3	2.50	0.71	NO	32.19	1.013	4.83e4	1.53e6	2.47	-1.4	1.28	bd
4	200801K1_4	50.0	0.76	NO	32.19	1.013	9.93e5	1.49e6	52.0	4.0	1.33	bd
5	200801K1_5	400	0.77	NO	32.19	1.013	8.65e6	1.60e6	421	5.4	1.35	bd
6	200801K1_6	1000	0.77	NO	32.19	1.013	2.17e7	1.68e6	1020	2.0	1.31	bd

Compound name: PCB-82  
 Response Factor: 1.12765  
 RRF SD: 0.0353947, Relative SD: 3.13879  
 Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.250	0.72	NO	32.29	1.016	4.14e3	1.44e6	0.255	2.1	1.15	db
2	200801K1_2	1.00	0.70	NO	32.29	1.016	1.80e4	1.59e6	0.999	-0.1	1.13	dd
3	200801K1_3	2.50	0.79	NO	32.29	1.016	4.05e4	1.53e6	2.35	-6.1	1.08	dd
4	200801K1_4	50.0	0.76	NO	32.31	1.016	8.53e5	1.49e6	50.8	1.8	1.15	db
5	200801K1_5	400	0.79	NO	32.31	1.016	7.38e6	1.60e6	409	2.2	1.15	db
6	200801K1_6	1000	0.76	NO	32.31	1.016	1.88e7	1.68e6	1000	0.3	1.13	db

Compound name: PCB-44  
 Response Factor: 0.824154  
 RRF SD: 0.0474856, Relative SD: 5.75932  
 Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.250	0.88	NO	32.62	1.027	3.12e3	1.44e6	0.263	5.2	0.867	MM
2	200801K1_2	1.00	0.78	NO	32.62	1.027	1.16e4	1.59e6	0.895	-10.5	0.738	dd

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**Compound name: PCB-44**

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X= dropped
200601K1_3	2.50	0.75	NO	32.62	1.026	3.09e4	1.53e6	2.45	-1.9	0.806	dd
200601K1_4	50.0	0.79	NO	32.62	1.026	6.30e5	1.49e6	51.3	2.6	0.845	MM
200601K1_5	400	0.77	NO	32.62	1.026	5.51e6	1.60e6	418	4.4	0.860	db
200601K1_6	1000	0.77	NO	32.62	1.026	1.37e7	1.66e6	1000	0.2	0.826	db

**Compound name: PCB-42/59**

Response Factor: 1.04973

RRF SD: 0.0493426, Relative SD: 4.70053

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X= dropped
200601K1_1	0.500	0.76	NO	32.85	1.034	7.25e3	1.44e6	0.481	-3.9	1.01	bb
200601K1_2	2.00	0.81	NO	32.85	1.034	3.17e4	1.59e6	1.89	-5.4	0.994	db
200601K1_3	5.00	0.78	NO	32.85	1.033	7.78e4	1.53e6	4.85	-3.0	1.02	db
200601K1_4	100	0.78	NO	32.85	1.033	1.60e6	1.49e6	103	2.8	1.08	MM
200601K1_5	800	0.78	NO	32.85	1.033	1.43e7	1.60e6	850	6.2	1.12	bb
200601K1_6	2000	0.78	NO	32.85	1.033	3.60e7	1.66e6	2070	3.5	1.09	bb

**Compound name: PCB-41/64/71/72**

Response Factor: 1.18742

RRF SD: 0.0661253, Relative SD: 5.56883

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X= dropped
200601K1_1	1.00	0.74	NO	33.46	1.053	1.80e4	1.44e6	0.939	-6.1	1.12	MM
200601K1_2	4.00	0.74	NO	33.46	1.053	7.29e4	1.59e6	3.85	-3.7	1.14	bb
200601K1_3	10.0	0.78	NO	33.46	1.053	1.74e5	1.53e6	9.57	-4.3	1.14	MM
200601K1_4	200	0.79	NO	33.46	1.053	3.62e6	1.49e6	205	2.3	1.22	bb
200601K1_5	1800	0.77	NO	33.46	1.053	3.29e7	1.60e6	1730	8.2	1.29	bb
200601K1_6	4000	0.77	NO	33.46	1.053	8.18e7	1.66e6	4140	3.5	1.23	bb

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Compound name: PCB-68  
 Response Factor: 1.27785  
 RRF SD: 0.0478803, Relative SD: 3.74694  
 Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200601K1_1	0.250	0.75	NO	33.72	1.061	4.51e3	1.44e6	0.245	-1.9	1.25	bb
2	200601K1_2	1.00	0.75	NO	33.72	1.061	1.97e4	1.59e6	0.969	-3.1	1.24	bb
3	200601K1_3	2.50	0.77	NO	33.72	1.061	4.67e4	1.53e6	2.39	-4.4	1.22	MM
4	200601K1_4	50.0	0.76	NO	33.72	1.061	9.69e5	1.49e6	50.9	1.8	1.30	bd
5	200601K1_5	400	0.77	NO	33.72	1.061	8.63e6	1.60e6	422	5.5	1.35	bd
6	200601K1_6	1000	0.78	NO	33.72	1.061	2.16e7	1.66e6	1020	2.1	1.30	bd

Compound name: PCB-40  
 Response Factor: 0.802057  
 RRF SD: 0.0348124, Relative SD: 5.74902  
 Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200601K1_1	0.250	0.71	NO	33.94	1.069	2.03e3	1.44e6	0.235	-6.2	0.565	bb
2	200601K1_2	1.00	0.74	NO	33.94	1.069	9.28e3	1.59e6	0.967	-3.3	0.562	MM
3	200601K1_3	2.50	0.77	NO	33.94	1.068	2.17e4	1.53e6	2.36	-5.7	0.566	db
4	200601K1_4	50.0	0.77	NO	33.94	1.068	4.64e5	1.49e6	51.7	3.3	0.622	db
5	200601K1_5	400	0.77	NO	33.94	1.068	4.12e6	1.60e6	426	7.0	0.644	db
6	200601K1_6	1000	0.78	NO	33.94	1.068	1.05e7	1.66e6	1050	4.8	0.631	db

Compound name: PCB-57  
 Response Factor: 1.16294  
 RRF SD: 0.0605093, Relative SD: 5.20312  
 Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200601K1_1	0.250	0.79	NO	34.30	0.969	4.64e3	1.70e6	0.234	-6.4	1.09	bb
2	200601K1_2	1.00	0.74	NO	34.32	0.969	2.02e4	1.84e6	0.946	-5.4	1.10	bb

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**Compound name: PCB-57**

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	0.74	NO	34.32	0.969	5.14e4	1.79e6	2.46	-1.4	1.15	MM
200601K1_4	50.0	0.77	NO	34.32	0.969	1.04e6	1.73e6	51.4	2.8	1.20	bb
200601K1_5	400	0.79	NO	34.32	0.969	9.05e6	1.84e6	423	5.8	1.23	bb
200601K1_6	1000	0.76	NO	34.32	0.969	2.31e7	1.90e6	1050	4.6	1.22	bb

**Compound name: PCB-67**

Response Factor: 1.0841

RRF SD: 0.0420751, Relative SD: 3.8811

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.86	NO	34.63	0.978	4.35e3	1.70e6	0.235	-5.8	1.02	bd
200601K1_2	1.00	0.75	NO	34.63	0.978	1.95e4	1.84e6	0.979	-2.1	1.06	bd
200601K1_3	2.50	0.78	NO	34.63	0.978	4.82e4	1.79e6	2.48	-0.9	1.07	bd
200601K1_4	50.0	0.75	NO	34.63	0.978	9.48e5	1.73e6	50.4	0.9	1.09	bd
200601K1_5	400	0.76	NO	34.63	0.978	8.40e6	1.84e6	422	5.4	1.14	bd
200601K1_6	1000	0.78	NO	34.63	0.978	2.11e7	1.90e6	1020	2.5	1.11	bd

**Compound name: PCB-58**

Response Factor: 1.20403

RRF SD: 0.0834546, Relative SD: 6.93126

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.80	NO	34.74	0.982	4.98e3	1.70e6	0.243	-2.8	1.17	dd
200601K1_2	1.00	0.80	NO	34.74	0.981	2.02e4	1.84e6	0.910	-9.0	1.10	dd
200601K1_3	2.50	0.78	NO	34.76	0.982	5.08e4	1.79e6	2.35	-5.9	1.13	dd
200601K1_4	50.0	0.75	NO	34.76	0.982	1.09e6	1.73e6	52.1	4.1	1.25	dd
200601K1_5	400	0.78	NO	34.76	0.982	9.62e6	1.84e6	435	8.7	1.31	dd
200601K1_6	1000	0.78	NO	34.76	0.982	2.40e7	1.90e6	1050	5.0	1.26	dd

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Compound name: PCB-63  
 Response Factor: 1.07187  
 RRF SD: 0.049724, Relative SD: 4.639  
 Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
1	200601K1_1	0.250	0.82	NO	34.91	0.988	4.33e3	1.70e6	0.237	-5.1	1.02	db
2	200601K1_2	1.00	0.75	NO	34.91	0.988	1.92e4	1.84e6	0.972	-2.8	1.04	dd
3	200601K1_3	2.50	0.79	NO	34.91	0.988	4.66e4	1.79e6	2.42	-3.2	1.04	db
4	200601K1_4	50.0	0.77	NO	34.91	0.988	9.31e5	1.73e6	50.1	0.2	1.07	db
5	200601K1_5	400	0.78	NO	34.91	0.988	8.42e6	1.84e6	427	6.8	1.14	db
6	200601K1_6	1000	0.77	NO	34.91	0.988	2.12e7	1.90e6	1040	4.1	1.12	db

Compound name: PCB-74  
 Response Factor: 1.18508  
 RRF SD: 0.0699946, Relative SD: 5.90632  
 Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
1	200601K1_1	0.250	0.82	NO	35.21	0.995	4.68e3	1.70e6	0.232	-7.3	1.10	bd
2	200601K1_2	1.00	0.74	NO	35.21	0.994	2.06e4	1.84e6	0.943	-5.7	1.12	MM
3	200601K1_3	2.50	0.74	NO	35.21	0.994	5.22e4	1.79e6	2.46	-1.8	1.16	MM
4	200601K1_4	50.0	0.77	NO	35.21	0.994	1.05e6	1.73e6	51.3	2.6	1.22	bd
5	200601K1_5	400	0.76	NO	35.21	0.994	9.38e6	1.84e6	430	7.6	1.28	bd
6	200601K1_6	1000	0.77	NO	35.21	0.994	2.36e7	1.90e6	1050	4.5	1.24	bd

Compound name: PCB-81/70  
 Response Factor: 1.05421  
 RRF SD: 0.062537, Relative SD: 5.9321  
 Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
1	200601K1_1	0.500	0.86	NO	35.41	1.000	8.47e3	1.70e6	0.472	-5.7	0.994	MM
2	200601K1_2	2.00	0.78	NO	35.34	0.998	3.65e4	1.84e6	1.88	-5.8	0.993	MM

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**Compound name: PCB-61/70**

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	5.00	0.78	NO	35.34	0.998	9.20e4	1.79e6	4.86	-2.7	1.03	MM
200601K1_4	100	0.78	NO	35.43	1.000	1.90e6	1.73e6	104	3.9	1.10	MM
200601K1_5	800	0.78	NO	35.43	1.000	1.67e7	1.84e6	859	7.4	1.13	MM
200601K1_6	2000	0.78	NO	35.43	1.000	4.18e7	1.90e6	2080	4.2	1.10	MM

**Compound name: PCB-76/86**

Response Factor: 1.16443

RRF SD: 0.0785507, Relative SD: 6.5741

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	0.78	NO	35.62	1.006	9.04e3	1.70e6	0.456	-8.9	1.06	MM
200601K1_2	2.00	0.75	NO	35.58	1.005	4.11e4	1.84e6	1.92	-4.0	1.12	dd
200601K1_3	5.00	0.78	NO	35.60	1.005	9.65e4	1.79e6	4.72	-5.7	1.10	MM
200601K1_4	100	0.78	NO	35.60	1.005	2.09e6	1.73e6	104	3.8	1.21	dd
200601K1_5	800	0.77	NO	35.64	1.006	1.65e7	1.84e6	862	7.7	1.25	dd
200601K1_6	2000	0.78	NO	35.64	1.006	4.89e7	1.90e6	2120	5.9	1.23	dd

**Compound name: PCB-80**

Response Factor: 1.18682

RRF SD: 0.0586291, Relative SD: 4.94003

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.83	NO	35.86	1.000	4.91e3	1.75e6	0.236	-5.5	1.12	MM
200601K1_2	1.00	0.77	NO	35.86	1.000	2.09e4	1.87e6	0.941	-5.9	1.12	db
200601K1_3	2.50	0.78	NO	35.86	1.000	5.45e4	1.86e6	2.47	-1.2	1.17	MM
200601K1_4	50.0	0.78	NO	35.86	1.000	1.10e6	1.79e6	51.5	3.1	1.22	db
200601K1_5	400	0.78	NO	35.86	1.000	9.53e6	1.90e6	422	5.5	1.25	db
200601K1_6	1000	0.78	NO	35.86	1.000	2.45e7	1.99e6	1040	4.0	1.23	dd



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**Compound name: PCB-55**

Response Factor: 1.16899

RRF SD: 0.0699531, Relative SD: 5.98407

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std Conc	RA	ny	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
1	200601K1_1	0.250	0.86	NO	36.18	1.009	4.80e3	1.75e6	0.235	-6.1	1.10	MM
2	200601K1_2	1.00	0.81	NO	36.18	1.010	2.10e4	1.87e6	0.959	-4.1	1.12	MM
3	200601K1_3	2.50	0.76	NO	36.18	1.010	5.16e4	1.86e6	2.37	-5.1	1.11	MM
4	200601K1_4	50.0	0.77	NO	36.18	1.010	1.07e6	1.79e6	51.0	2.1	1.19	MM
5	200601K1_5	400	0.77	NO	36.18	1.010	9.66e6	1.90e6	434	8.6	1.27	MM
6	200601K1_6	1000	0.77	NO	36.18	1.010	2.43e7	1.99e6	1050	4.8	1.22	MM

**Compound name: PCB-56/60**

Response Factor: 1.01793

RRF SD: 0.0552104, Relative SD: 5.42377

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std Conc	RA	ny	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
1	200601K1_1	0.500	0.85	NO	36.70	1.024	8.20e3	1.75e6	0.460	-8.0	0.937	MM
2	200601K1_2	2.00	0.78	NO	36.70	1.024	3.71e4	1.87e6	1.95	-2.7	0.991	MM
3	200601K1_3	5.00	0.78	NO	36.70	1.024	9.24e4	1.86e6	4.88	-2.4	0.993	bb
4	200601K1_4	100	0.77	NO	36.70	1.024	1.86e6	1.79e6	102	2.1	1.04	bb
5	200601K1_5	800	0.77	NO	36.70	1.024	1.86e7	1.90e6	859	7.3	1.09	bb
6	200601K1_6	2000	0.77	NO	36.70	1.024	4.19e7	1.99e6	2070	3.8	1.05	bb

**Compound name: PCB-79**

Response Factor: 1.13843

RRF SD: 0.0710526, Relative SD: 6.24129

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std Conc	RA	ny	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
1	200601K1_1	0.250	0.80	NO	37.80	1.054	4.62e3	1.75e6	0.232	-7.2	1.06	MM
2	200601K1_2	1.00	0.87	NO	37.80	1.054	2.03e4	1.87e6	0.950	-5.0	1.08	MM

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Name	Std Conc	RA	nty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	0.80	NO	37.80	1.054	5.06e4	1.86e6	2.39	-4.3	1.09	MM
200601K1_4	50.0	0.77	NO	37.80	1.054	1.06e6	1.79e6	51.8	3.6	1.18	bb
200601K1_5	400	0.77	NO	37.81	1.055	9.30e6	1.90e6	430	7.4	1.22	bb
200601K1_6	1000	0.77	NO	37.81	1.055	2.39e7	1.99e6	1060	5.8	1.20	bb

Compound name: PCB-78

Response Factor: 1.13645

RRF SD: 0.0648397, Relative SD: 5.70544

Response type: Internal Std ( Ref 183 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	nty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.84	NO	39.50	0.988	4.37e3	1.65e6	0.234	-6.8	1.08	MM
200601K1_2	1.00	0.72	NO	39.52	0.987	1.92e4	1.76e6	0.959	-4.1	1.09	MM
200601K1_3	2.50	0.77	NO	39.52	0.987	4.87e4	1.80e6	2.38	-4.7	1.08	MM
200601K1_4	50.0	0.77	NO	39.52	0.987	1.02e6	1.70e6	52.5	4.9	1.19	MM
200601K1_5	400	0.79	NO	39.52	0.987	8.97e6	1.88e6	420	5.1	1.19	MM
200601K1_6	1000	0.78	NO	39.52	0.987	2.33e7	1.94e6	1050	5.5	1.20	MM

Compound name: PCB-81

Response Factor: 1.04638

RRF SD: 0.0531934, Relative SD: 5.08358

Response type: Internal Std ( Ref 183 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	nty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.71	NO	39.08	1.000	3.97e3	1.85e6	0.230	-7.9	0.964	MM
200601K1_2	1.00	0.78	NO	39.08	1.000	1.82e4	1.76e6	0.987	-1.3	1.03	MM
200601K1_3	2.50	0.75	NO	39.08	1.000	4.55e4	1.80e6	2.41	-3.4	1.01	MM
200601K1_4	50.0	0.77	NO	39.08	1.000	9.27e5	1.70e6	52.0	4.1	1.09	MM
200601K1_5	400	0.78	NO	39.08	1.000	8.26e6	1.88e6	420	5.0	1.10	MM
200601K1_6	1000	0.75	NO	39.08	1.000	2.10e7	1.94e6	1040	3.5	1.08	dd

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**Compound name: PCB-77**

Response Factor: 1.13899

RRF SD: 0.0451791, Relative SD: 3.97357

Response type: Internal Std ( Ref 184 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	0.83	NO	39.67	1.000	4.37e3	1.59e6	0.241	-3.5	1.10	MM
200801K1_2	1.00	0.80	NO	39.67	1.000	1.89e4	1.71e6	0.972	-2.8	1.11	MM
200801K1_3	2.50	0.80	NO	39.67	1.000	4.78e4	1.75e6	2.40	-4.0	1.09	MM
200801K1_4	50.0	0.77	NO	39.67	1.000	1.00e6	1.69e6	52.1	4.2	1.18	MM
200801K1_5	400	0.77	NO	39.67	1.000	8.76e6	1.84e6	420	5.0	1.19	MM
200801K1_6	1000	0.78	NO	39.67	1.000	2.23e7	1.94e6	1010	1.1	1.15	MM

**Compound name: PCB-104**

Response Factor: 1.12208

RRF SD: 0.11916, Relative SD: 10.6196

Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	1.37	NO	32.47	1.001	2.59e3	1.12e6	0.206	-17.7	0.924	MM
200801K1_2	1.00	1.55	NO	32.47	1.001	1.33e4	1.28e6	0.942	-5.8	1.06	bb
200801K1_3	2.50	1.52	NO	32.47	1.001	3.30e4	1.20e6	2.48	-1.8	1.10	bb
200801K1_4	50.0	1.57	NO	32.47	1.001	7.02e5	1.17e6	53.2	6.5	1.19	bb
200801K1_5	400	1.55	NO	32.47	1.001	6.29e6	1.28e6	437	9.3	1.23	bb
200801K1_6	1000	1.56	NO	32.47	1.001	1.57e7	1.28e6	1090	9.3	1.23	bb

**Compound name: PCB-96**

Response Factor: 1.15383

RRF SD: 0.0979018, Relative SD: 8.48491

Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	1.77	NO	33.78	1.041	2.64e3	1.12e6	0.220	-12.2	1.01	MM
200801K1_2	1.00	1.54	NO	33.78	1.041	1.35e4	1.28e6	0.932	-6.8	1.08	bb

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**Compound name: PCB-96**

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.49	NO	33.78	1.041	3.37e4	1.20e6	2.45	-2.2	1.13	bb
200601K1_4	50.0	1.58	NO	33.78	1.041	7.07e5	1.17e6	52.2	4.3	1.20	bb
200601K1_5	400	1.57	NO	33.78	1.041	6.41e6	1.28e6	434	8.4	1.25	bb
200601K1_6	1000	1.57	NO	33.78	1.041	1.80e7	1.28e6	1080	8.4	1.25	bb

**Compound name: PCB-103**

Response Factor: 0.936494

RRF SD: 0.0702306, Relative SD: 7.49931

Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.88	NO	34.33	1.059	2.72e3	1.12e6	0.259	3.5	0.969	MM
200601K1_2	1.00	1.75	NO	34.33	1.058	1.06e4	1.26e6	0.898	-10.2	0.841	MM
200601K1_3	2.50	1.71	NO	34.33	1.058	2.57e4	1.20e6	2.30	-8.0	0.862	bb
200601K1_4	50.0	1.56	NO	34.33	1.058	5.53e5	1.17e6	50.3	0.8	0.942	bb
200601K1_5	400	1.58	NO	34.33	1.058	5.08e6	1.28e6	423	5.7	0.990	bb
200601K1_6	1000	1.55	NO	34.33	1.058	1.30e7	1.28e6	1080	8.3	1.01	bb

**Compound name: PCB-100**

Response Factor: 0.953574

RRF SD: 0.0599585, Relative SD: 6.28777

Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.33	NO	34.69	1.069	2.84e3	1.12e6	0.247	-1.3	0.941	bb
200601K1_2	1.00	1.48	NO	34.69	1.069	1.09e4	1.28e6	0.913	-8.7	0.870	MM
200601K1_3	2.50	1.72	NO	34.71	1.069	2.72e4	1.20e6	2.38	-4.7	0.908	bb
200601K1_4	50.0	1.58	NO	34.71	1.069	5.88e5	1.17e6	50.5	1.0	0.983	bb
200601K1_5	400	1.57	NO	34.71	1.069	5.18e6	1.28e6	422	5.5	1.01	bb
200601K1_6	1000	1.55	NO	34.71	1.069	1.32e7	1.28e6	1080	8.2	1.03	bb

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**Compound name: PCB-94**

Response Factor: 0.948862

RRF SD: 0.0587427, Relative SD: 6.19086

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.87	NO	35.17	0.985	2.16e3	8.86e5	0.257	2.8	0.975	MM
2	200601K1_2	1.00	1.51	NO	35.19	0.985	8.32e3	9.63e5	0.910	-9.0	0.863	bb
3	200601K1_3	2.50	1.49	NO	35.19	0.985	2.12e4	9.53e5	2.35	-6.1	0.891	bb
4	200601K1_4	50.0	1.57	NO	35.19	0.985	4.48e5	9.36e5	50.5	0.9	0.958	bb
5	200601K1_5	400	1.57	NO	35.19	0.985	4.07e6	1.01e6	424	6.0	1.01	bb
6	200601K1_6	1000	1.57	NO	35.19	0.985	1.05e7	1.05e6	1050	5.4	1.00	bb

**Compound name: PCB-95/98/102**

Response Factor: 1.20445

RRF SD: 0.061353, Relative SD: 5.09384

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.750	1.52	NO	35.66	0.998	7.52e3	8.86e5	0.704	-6.1	1.13	MM
2	200601K1_2	3.00	1.52	NO	35.67	0.999	3.47e4	9.63e5	2.99	-0.3	1.20	bd
3	200601K1_3	7.50	1.61	NO	35.67	0.999	8.12e4	9.53e5	7.08	-5.6	1.14	dd
4	200601K1_4	150	1.57	NO	35.67	0.998	1.72e6	9.36e5	152	1.5	1.22	bd
5	200601K1_5	1200	1.56	NO	35.67	0.998	1.56e7	1.01e6	1260	6.5	1.28	bd
6	200601K1_6	3000	1.57	NO	35.67	0.998	3.94e7	1.05e6	3120	4.0	1.25	bd

**Compound name: PCB-83**

Response Factor: 0.935009

RRF SD: 0.088569, Relative SD: 9.47253

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.42	NO	35.82	1.003	1.78e3	8.86e5	0.215	-14.0	0.805	MM
2	200601K1_2	1.00	1.59	NO	35.81	1.003	8.62e3	9.63e5	0.957	-4.3	0.895	dd

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**Compound name: PCB-83**

Name	Std. Conc.	RA	rt/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	2.50	1.70	NO	35.81	1.003	2.10e4	9.53e5	2.36	-5.5	0.884	dd
200801K1_4	50.0	1.83	NO	35.81	1.002	4.57e5	9.36e5	52.3	4.5	0.977	db
200801K1_5	400	1.80	NO	35.82	1.003	4.17e6	1.01e6	441	10.3	1.03	db
200801K1_6	1000	1.59	NO	35.82	1.003	1.07e7	1.05e6	1090	8.9	1.02	db

**Compound name: PCB-88/91**

Response Factor: 1.06482

RRF SD: 0.0420968, Relative SD: 3.95341

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rt/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.500	1.77	NO	36.14	1.012	4.58e3	8.86e5	0.485	-3.0	1.03	dd
200801K1_2	2.00	1.52	NO	36.14	1.012	2.02e4	9.63e5	1.97	-1.5	1.05	MM
200801K1_3	5.00	1.53	NO	36.14	1.012	4.83e4	9.53e5	4.76	-4.8	1.01	dd
200801K1_4	100	1.56	NO	36.16	1.012	9.97e5	9.36e5	100	0.0	1.07	MM
200801K1_5	800	1.55	NO	36.16	1.012	9.06e6	1.01e6	842	5.2	1.12	bd
200801K1_6	2000	1.56	NO	36.16	1.012	2.32e7	1.05e6	2080	4.0	1.11	bd

**Compound name: PCB-121**

Response Factor: 1.70958

RRF SD: 0.131372, Relative SD: 7.68456

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rt/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.84	NO	36.23	1.015	4.15e3	8.86e5	0.274	9.5	1.87	db
200801K1_2	1.00	1.86	NO	36.23	1.015	1.50e4	9.63e5	0.910	-9.0	1.56	db
200801K1_3	2.50	1.85	NO	36.25	1.015	3.70e4	9.53e5	2.27	-9.2	1.55	dd
200801K1_4	50.0	1.56	NO	36.25	1.015	7.99e5	9.36e5	50.0	-0.1	1.71	db
200801K1_5	400	1.59	NO	36.25	1.015	7.25e6	1.01e6	420	4.9	1.79	db
200801K1_6	1000	1.59	NO	36.25	1.015	1.86e7	1.05e6	1040	3.8	1.77	db

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**Compound name: PCB-84/92**

Response Factor: 1.01774

RRF SD: 0.0662787, Relative SD: 6.51234

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.500	1.74	NO	37.09	0.990	3.96e3	8.58e5	0.454	-9.1	0.925	MM
200601K1_2	2.00	1.51	NO	37.09	0.990	1.83e4	9.58e5	1.88	-8.1	0.958	bd
200601K1_3	5.00	1.58	NO	37.09	0.990	4.76e4	9.39e5	4.98	-0.3	1.01	bd
200601K1_4	100	1.57	NO	37.09	0.990	9.53e5	9.13e5	102	2.5	1.04	bd
200601K1_5	800	1.57	NO	37.09	0.990	8.79e6	1.01e6	858	7.2	1.09	bd
200601K1_6	2000	1.58	NO	37.09	0.990	2.23e7	1.04e6	2120	5.8	1.08	bd

**Compound name: PCB-89**

Response Factor: 1.1051

RRF SD: 0.0694328, Relative SD: 6.28293

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.77	NO	37.28	0.995	2.45e3	8.58e5	0.259	3.5	1.14	MM
200601K1_2	1.00	1.58	NO	37.28	0.995	9.36e3	9.58e5	0.885	-11.5	0.978	dd
200601K1_3	2.50	1.58	NO	37.29	0.998	2.53e4	9.39e5	2.44	-2.5	1.08	dd
200601K1_4	50.0	1.54	NO	37.29	0.998	5.14e5	9.13e5	50.9	1.9	1.13	dd
200601K1_5	400	1.57	NO	37.29	0.998	4.71e6	1.01e6	424	5.9	1.17	dd
200601K1_6	1000	1.58	NO	37.29	0.998	1.18e7	1.04e6	1030	2.7	1.13	dd

**Compound name: PCB-90/101**

Response Factor: 1.12263

RRF SD: 0.0479543, Relative SD: 4.27159

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.500	1.57	NO	37.46	1.000	4.62e3	8.58e5	0.481	-3.8	1.08	db
200601K1_2	2.00	1.58	NO	37.46	1.000	2.07e4	9.58e5	1.93	-3.7	1.08	dd

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Compound name: PCB-90/101

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	5.00	1.66	NO	37.48	1.000	5.09e4	9.39e5	4.83	-3.4	1.08	dd
200601K1_4	100	1.58	NO	37.48	1.000	1.04e6	9.13e5	101	1.5	1.14	dd
200601K1_5	800	1.58	NO	37.48	1.000	9.62e6	1.01e6	851	6.4	1.19	dd
200601K1_6	2000	1.58	NO	37.48	1.000	2.40e7	1.04e6	2060	3.0	1.16	dd

Compound name: PCB-113

Response Factor: 1.51404

RRF SD: 0.104163, Relative SD: 6.87979

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.39	NO	37.72	1.007	2.80e3	8.56e5	0.216	-13.7	1.31	MM
200601K1_2	1.00	1.48	NO	37.72	1.007	1.47e4	9.58e5	1.02	1.5	1.54	dd
200601K1_3	2.50	1.59	NO	37.72	1.007	3.61e4	9.39e5	2.54	1.5	1.54	dd
200601K1_4	50.0	1.57	NO	37.72	1.007	7.07e5	9.13e5	51.1	2.2	1.55	dd
200601K1_5	400	1.57	NO	37.72	1.007	6.45e6	1.01e6	423	5.8	1.60	dd
200601K1_6	1000	1.57	NO	37.72	1.007	1.61e7	1.04e6	1030	2.6	1.55	dd

Compound name: PCB-99

Response Factor: 1.32101

RRF SD: 0.111661, Relative SD: 8.45271

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.51	NO	37.81	1.009	3.12e3	8.56e5	0.276	10.3	1.46	MM
200601K1_2	1.00	1.53	NO	37.81	1.009	1.15e4	9.58e5	0.907	-9.3	1.20	db
200601K1_3	2.50	1.66	NO	37.81	1.009	2.78e4	9.39e5	2.24	-10.5	1.18	db
200601K1_4	50.0	1.62	NO	37.81	1.009	6.00e5	9.13e5	49.7	-0.5	1.31	db
200601K1_5	400	1.60	NO	37.83	1.010	5.65e6	1.01e6	425	6.2	1.40	db
200601K1_6	1000	1.57	NO	37.83	1.010	1.42e7	1.04e6	1040	3.8	1.37	db



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Compound name: PCB-119

Response Factor: 1.80526

RRF SD: 0.0967589, Relative SD: 5.35982

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.64	NO	38.30	0.987	3.62e3	7.55e5	0.265	6.1	1.92	bd
200601K1_2	1.00	1.55	NO	38.30	0.987	1.42e4	8.31e5	0.948	-5.2	1.71	dd
200601K1_3	2.50	1.50	NO	38.30	0.987	3.42e4	8.21e5	2.31	-7.7	1.67	bd
200601K1_4	50.0	1.57	NO	38.30	0.987	7.20e5	7.95e5	50.2	0.4	1.81	bd
200601K1_5	400	1.55	NO	38.30	0.987	6.73e6	9.02e5	413	3.3	1.87	bd
200601K1_6	1000	1.56	NO	38.30	0.987	1.70e7	9.13e5	1030	3.1	1.86	bd

Compound name: PCB-108/112

Response Factor: 1.44497

RRF SD: 0.091955, Relative SD: 6.36379

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.61	NO	38.45	0.991	5.26e3	7.55e5	0.482	-3.6	1.39	dd
200601K1_2	2.00	1.50	NO	38.45	0.991	2.21e4	8.31e5	1.84	-7.9	1.33	dd
200601K1_3	5.00	1.57	NO	38.45	0.991	5.62e4	8.21e5	4.74	-5.3	1.37	dd
200601K1_4	100	1.57	NO	38.47	0.991	1.19e6	7.95e5	104	3.8	1.50	dd
200601K1_5	800	1.56	NO	38.47	0.991	1.11e7	9.02e5	851	6.4	1.54	dd
200601K1_6	2000	1.57	NO	38.47	0.991	2.81e7	9.13e5	2130	6.6	1.54	dd

Compound name: PCB-83

Response Factor: 1.83179

RRF SD: 0.0986786, Relative SD: 5.387

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.60	NO	38.61	0.995	3.44e3	7.55e5	0.249	-0.4	1.82	dd
200601K1_2	1.00	1.63	NO	38.61	0.995	1.41e4	8.31e5	0.929	-7.1	1.70	dd

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

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Compound name: PCB-83

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev.	RRF	X = dropped
200601K1_3	2.50	1.52	NO	38.61	0.995	3.54e4	8.21e5	2.38	-5.8	1.73	dd
200601K1_4	50.0	1.59	NO	38.63	0.998	7.53e5	7.95e5	51.7	3.4	1.89	dd
200601K1_5	400	1.57	NO	38.63	0.998	8.96e6	9.02e5	421	5.3	1.93	dd
200601K1_6	1000	1.57	NO	38.63	0.998	1.75e7	9.13e5	1050	4.6	1.92	dd

Compound name: PCB-87

Response Factor: 1.28197

RRF SD: 0.0538988, Relative SD: 4.20437

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.36	NO	38.82	1.000	2.35e3	7.55e5	0.243	-2.9	1.25	MM
200601K1_2	1.00	1.42	NO	38.82	1.000	1.01e4	8.31e5	0.949	-5.1	1.22	dd
200601K1_3	2.50	1.48	NO	38.84	1.001	2.56e4	8.21e5	2.43	-2.8	1.25	dd
200601K1_4	50.0	1.58	NO	38.84	1.001	5.17e5	7.95e5	50.7	1.4	1.30	dd
200601K1_5	400	1.58	NO	38.84	1.001	4.86e6	9.02e5	420	5.0	1.35	dd
200601K1_6	1000	1.58	NO	38.84	1.001	1.22e7	9.13e5	1040	4.4	1.34	dd

Compound name: PCB-88

Response Factor: 1.11715

RRF SD: 0.0744773, Relative SD: 6.6667

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.47	NO	38.97	1.004	1.84e3	7.55e5	0.219	-12.8	0.977	dd
200601K1_2	1.00	1.82	NO	38.99	1.005	9.15e3	8.31e5	0.985	-1.5	1.10	dd
200601K1_3	2.50	1.83	NO	38.99	1.005	2.31e4	8.21e5	2.52	0.6	1.12	dd
200601K1_4	50.0	1.58	NO	38.99	1.005	4.60e5	7.95e5	51.8	3.6	1.16	dd
200601K1_5	400	1.57	NO	38.99	1.005	4.23e6	9.02e5	420	4.9	1.17	dd
200601K1_6	1000	1.55	NO	38.99	1.005	1.07e7	9.13e5	1050	4.9	1.17	dd

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Compound name: PCB-87/117/125

Response Factor: 1.55887

RRF SD: 0.10978, Relative SD: 7.04225

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.750	1.69	NO	39.10	1.008	8.41e3	7.55e5	0.714	-4.8	1.48	dd
200601K1_2	3.00	1.54	NO	39.12	1.008	3.56e4	8.31e5	2.74	-8.5	1.43	dd
200601K1_3	7.50	1.62	NO	39.12	1.008	9.10e4	8.21e5	7.11	-5.2	1.48	dd
200601K1_4	150	1.57	NO	39.12	1.008	1.92e6	7.95e5	155	3.4	1.61	dd
200601K1_5	1200	1.57	NO	39.12	1.008	1.82e7	9.02e5	1290	7.6	1.68	dd
200601K1_6	3000	1.57	NO	39.12	1.008	4.59e7	9.13e5	3220	7.5	1.68	dd

Compound name: PCB-111/115

Response Factor: 1.91042

RRF SD: 0.105925, Relative SD: 5.54456

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.500	1.58	NO	39.27	1.012	6.99e3	7.55e5	0.485	-3.1	1.85	dd
200601K1_2	2.00	1.41	NO	39.27	1.012	2.93e4	8.31e5	1.85	-7.6	1.77	dd
200601K1_3	5.00	1.62	NO	39.27	1.012	7.57e4	8.21e5	4.82	-3.5	1.84	dd
200601K1_4	100	1.57	NO	39.27	1.012	1.56e6	7.95e5	103	2.8	1.96	dd
200601K1_5	800	1.57	NO	39.27	1.012	1.46e7	9.02e5	847	5.6	2.02	dd
200601K1_6	2000	1.55	NO	39.28	1.013	3.69e7	9.13e5	2120	5.8	2.02	dd

Compound name: PCB-85/116

Response Factor: 1.41084

RRF SD: 0.0937905, Relative SD: 6.64783

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.500	1.72	NO	39.40	1.015	5.54e3	7.55e5	0.520	4.0	1.47	db
200601K1_2	2.00	1.42	NO	39.40	1.015	2.11e4	8.31e5	1.79	-10.3	1.27	dd

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Compound name: PCB-85/116

Name	Std. Conc.	RA	nlv	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	5.00	1.54	NO	39.40	1.015	5.42e4	8.21e5	4.68	-6.4	1.32	dd
200601K1_4	100	1.58	NO	39.40	1.015	1.15e6	7.95e5	102	2.3	1.44	db
200601K1_5	800	1.58	NO	39.40	1.015	1.07e7	9.02e5	842	5.2	1.48	db
200601K1_6	2000	1.60	NO	39.40	1.015	2.71e7	9.13e5	2100	5.2	1.48	db

Compound name: PCB-120

Response Factor: 2.00504

RRF SD: 0.113682, Relative SD: 5.66984

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	nlv	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.42	NO	39.84	1.022	3.56e3	7.55e5	0.235	-6.0	1.88	bd
200601K1_2	1.00	1.56	NO	39.66	1.022	1.80e4	8.31e5	0.959	-4.1	1.92	dd
200601K1_3	2.50	1.56	NO	39.66	1.022	3.91e4	8.21e5	2.37	-5.1	1.90	dd
200601K1_4	50.0	1.56	NO	39.66	1.022	8.25e5	7.95e5	51.8	3.5	2.08	bd
200601K1_5	400	1.59	NO	39.66	1.022	7.83e6	9.02e5	422	5.4	2.11	bd
200601K1_6	1000	1.56	NO	39.66	1.022	1.95e7	9.13e5	1060	6.3	2.13	bd

Compound name: PCB-110

Response Factor: 1.74266

RRF SD: 0.0926364, Relative SD: 5.3158

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	nlv	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.62	NO	39.79	1.025	3.10e3	7.55e5	0.235	-5.9	1.84	db
200601K1_2	1.00	1.56	NO	39.81	1.026	1.38e4	8.31e5	0.954	-4.8	1.86	MM
200601K1_3	2.50	1.56	NO	39.81	1.026	3.44e4	8.21e5	2.40	-3.9	1.87	db
200601K1_4	50.0	1.58	NO	39.81	1.026	7.19e5	7.95e5	51.9	3.8	1.81	db
200601K1_5	400	1.58	NO	39.81	1.026	6.65e6	9.02e5	423	5.7	1.84	db
200601K1_6	1000	1.58	NO	39.81	1.026	1.67e7	9.13e5	1050	4.8	1.83	db

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Compound name: PCB-82  
 Response Factor: 0.781273  
 RRF SD: 0.0477185, Relative SD: 6.10778  
 Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.38	NO	40.44	0.976	1.88e3	1.02e6	0.237	-5.4	0.739	MM
200601K1_2	1.00	1.79	NO	40.44	0.976	8.26e3	1.11e6	0.956	-4.4	0.747	MM
200601K1_3	2.50	1.57	NO	40.44	0.976	2.04e4	1.12e6	2.34	-6.5	0.731	dd
200601K1_4	50.0	1.57	NO	40.46	0.976	4.35e5	1.07e6	52.1	4.3	0.815	bb
200601K1_5	400	1.56	NO	40.46	0.976	3.98e6	1.18e6	431	7.8	0.842	bb
200601K1_6	1000	1.55	NO	40.46	0.976	1.00e7	1.23e6	1040	4.1	0.814	bb

Compound name: PCB-124  
 Response Factor: 1.39686  
 RRF SD: 0.11391, Relative SD: 8.15474  
 Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.51	NO	41.15	0.993	3.66e3	1.02e6	0.257	2.9	1.44	MM
200601K1_2	1.00	1.81	NO	41.15	0.993	1.33e4	1.11e6	0.864	-13.6	1.21	bd
200601K1_3	2.50	1.49	NO	41.15	0.993	3.66e4	1.12e6	2.35	-6.1	1.31	bd
200601K1_4	50.0	1.57	NO	41.16	0.993	7.76e5	1.07e6	52.0	4.0	1.45	bd
200601K1_5	400	1.57	NO	41.16	0.993	7.10e6	1.18e6	431	7.7	1.50	bd
200601K1_6	1000	1.56	NO	41.16	0.993	1.81e7	1.23e6	1050	5.2	1.47	bd

Compound name: PCB-107/109  
 Response Factor: 1.3418  
 RRF SD: 0.112451, Relative SD: 8.38064  
 Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.500	1.52	NO	41.31	0.997	6.09e3	1.02e6	0.446	-10.9	1.20	dd
200601K1_2	2.00	1.81	NO	41.29	0.996	2.87e4	1.11e6	1.93	-3.4	1.30	dd

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Compound name: PCB-107/109

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	5.00	1.48	NO	41.29	0.998	6.93e4	1.12e6	4.83	-7.5	1.24	dd
200801K1_4	100	1.58	NO	41.29	0.998	1.50e6	1.07e6	105	4.9	1.41	dd
200801K1_5	800	1.58	NO	41.29	0.998	1.38e7	1.18e6	871	8.8	1.48	dd
200801K1_6	2000	1.58	NO	41.29	0.998	3.57e7	1.23e6	2160	8.0	1.45	dd

Compound name: PCB-123

Response Factor: 1.19789

RRF SD: 0.0778787, Relative SD: 6.48483

Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.66	NO	41.48	1.001	2.87e3	1.02e6	0.236	-5.7	1.13	db
200801K1_2	1.00	1.57	NO	41.48	1.001	1.21e4	1.11e6	0.917	-8.3	1.10	dd
200801K1_3	2.50	1.54	NO	41.48	1.001	3.25e4	1.12e6	2.43	-2.7	1.17	dd
200801K1_4	50.0	1.59	NO	41.48	1.000	6.69e5	1.07e6	52.3	4.8	1.25	dd
200801K1_5	400	1.58	NO	41.48	1.000	6.11e6	1.18e6	432	7.9	1.29	dd
200801K1_6	1000	1.58	NO	41.48	1.000	1.54e7	1.23e6	1040	4.2	1.25	dd

Compound name: PCB-106/118

Response Factor: 1.21941

RRF SD: 0.102837, Relative SD: 8.43331

Response type: Internal Std ( Ref 190 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.500	1.34	NO	41.67	1.001	5.58e3	1.07e6	0.426	-14.8	1.04	MM
200801K1_2	2.00	1.73	NO	41.69	1.001	2.72e4	1.17e6	1.92	-4.2	1.17	MM
200801K1_3	5.00	1.55	NO	41.69	1.001	7.07e4	1.16e6	5.01	0.2	1.22	MM
200801K1_4	100	1.57	NO	41.69	1.001	1.44e6	1.12e6	105	5.5	1.29	MM
200801K1_5	800	1.58	NO	41.69	1.001	1.33e7	1.27e6	881	7.8	1.31	MM
200801K1_6	2000	1.58	NO	41.69	1.001	3.40e7	1.32e6	2110	5.7	1.29	MM

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Compound name: PCB-114  
 Response Factor: 1.14116  
 RRF SD: 0.0850793, Relative SD: 7.45549  
 Response type: Internal Std ( Ref 191 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.33	NO	42.32	1.000	3.86e3	1.38e6	0.248	-0.7	1.13	MM
200601K1_2	1.00	1.64	NO	42.34	1.001	1.48e4	1.45e6	0.891	-10.9	1.02	MM
200601K1_3	2.50	1.54	NO	42.34	1.000	3.91e4	1.47e6	2.33	-6.7	1.06	MM
200601K1_4	50.0	1.57	NO	42.34	1.000	8.45e5	1.41e6	52.8	5.3	1.20	MM
200601K1_5	400	1.54	NO	42.34	1.000	7.43e6	1.52e6	428	7.0	1.22	MM
200601K1_6	1000	1.55	NO	42.34	1.000	1.91e7	1.58e6	1060	6.0	1.21	MM

Compound name: PCB-122  
 Response Factor: 0.944286  
 RRF SD: 0.0437623, Relative SD: 4.63443  
 Response type: Internal Std ( Ref 191 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.81	NO	42.47	1.004	2.97e3	1.38e6	0.231	-7.8	0.871	MM
200601K1_2	1.00	1.80	NO	42.47	1.004	1.33e4	1.45e6	0.970	-3.0	0.915	MM
200601K1_3	2.50	1.54	NO	42.47	1.004	3.50e4	1.47e6	2.52	0.9	0.953	MM
200601K1_4	50.0	1.56	NO	42.47	1.004	6.92e5	1.41e6	52.1	4.2	0.984	MM
200601K1_5	400	1.55	NO	42.47	1.004	5.98e6	1.52e6	418	4.1	0.983	MM
200601K1_6	1000	1.56	NO	42.47	1.004	1.51e7	1.58e6	1020	1.8	0.959	MM

Compound name: PCB-105  
 Response Factor: 1.05075  
 RRF SD: 0.0648066, Relative SD: 6.16764  
 Response type: Internal Std ( Ref 192 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.32	NO	43.21	1.000	3.35e3	1.40e6	0.228	-8.9	0.957	bb
200601K1_2	1.00	1.56	NO	43.23	1.001	1.48e4	1.47e6	0.957	-4.3	1.01	MM

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Compound name: PCB-105

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200601K1_3	2.50	1.58	NO	43.23	1.000	3.84e4	1.49e6	2.45	-2.1	1.03	MM
200601K1_4	50.0	1.58	NO	43.23	1.000	7.78e5	1.42e6	52.1	4.1	1.09	dd
200601K1_5	400	1.59	NO	43.23	1.000	6.92e6	1.53e6	431	7.7	1.13	dd
200601K1_6	1000	1.58	NO	43.23	1.000	1.78e7	1.82e6	1030	3.4	1.09	dd

Compound name: PCB-127

Response Factor: 1.05904

RRF SD: 0.0891593, Relative SD: 6.53037

Response type: Internal Std ( Ref 193 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200601K1_1	0.250	1.35	NO	43.57	1.000	3.42e3	1.45e6	0.223	-10.8	0.944	MM
200601K1_2	1.00	1.53	NO	43.57	1.000	1.54e4	1.51e6	0.965	-3.5	1.02	db
200601K1_3	2.50	1.57	NO	43.57	1.000	4.15e4	1.59e6	2.47	-1.3	1.05	MM
200601K1_4	50.0	1.57	NO	43.57	1.000	6.11e5	1.47e6	52.2	4.4	1.11	db
200601K1_5	400	1.59	NO	43.57	1.000	7.02e6	1.58e6	420	5.0	1.11	db
200601K1_6	1000	1.57	NO	43.57	1.000	1.85e7	1.84e6	1060	6.1	1.12	db

Compound name: PCB-128

Response Factor: 1.17214

RRF SD: 0.0891348, Relative SD: 7.60443

Response type: Internal Std ( Ref 194 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200601K1_1	0.250	1.67	NO	45.52	1.000	3.40e3	1.33e6	0.218	-12.8	1.02	bb
200601K1_2	1.00	1.48	NO	45.52	1.000	1.71e4	1.49e6	0.982	-1.8	1.15	MM
200601K1_3	2.50	1.61	NO	45.52	1.000	4.35e4	1.54e6	2.42	-3.3	1.13	MM
200601K1_4	50.0	1.54	NO	45.54	1.000	8.88e5	1.45e6	52.1	4.3	1.22	db
200601K1_5	400	1.56	NO	45.54	1.001	7.83e6	1.51e6	431	7.7	1.26	db
200601K1_6	1000	1.56	NO	45.54	1.000	1.98e7	1.80e6	1060	5.9	1.24	db



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Compound name: PCB-155  
 Response Factor: 1.04363  
 RRF SD: 0.0461718, Relative SD: 4.42414  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	rt	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.30	NO	37.01	1.001	1.70e3	6.57e5	0.247	-1.1	1.03	bb
200801K1_2	1.00	1.23	NO	37.01	1.001	7.53e3	7.35e5	0.981	-1.9	1.02	bb
200801K1_3	2.50	1.18	NO	37.01	1.000	1.80e4	7.36e5	2.34	-6.5	0.976	bb
200801K1_4	50.0	1.30	NO	37.01	1.000	3.73e5	7.19e5	49.7	-0.8	1.04	bb
200801K1_5	400	1.30	NO	37.01	1.000	3.46e6	7.88e5	421	5.4	1.10	bb
200801K1_6	1000	1.29	NO	37.01	1.000	6.65e6	7.92e5	1050	4.7	1.09	bb

Compound name: PCB-150  
 Response Factor: 1.08341  
 RRF SD: 0.0925801, Relative SD: 8.54521  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	rt	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.14	NO	38.30	1.036	1.59e3	6.57e5	0.223	-10.8	0.967	MM
200801K1_2	1.00	1.15	NO	38.32	1.036	7.27e3	7.35e5	0.912	-6.8	0.968	bb
200801K1_3	2.50	1.32	NO	38.32	1.036	1.98e4	7.36e5	2.49	-0.6	1.08	bb
200801K1_4	50.0	1.26	NO	38.32	1.036	3.96e5	7.19e5	50.9	1.7	1.10	bb
200801K1_5	400	1.29	NO	38.32	1.036	3.72e6	7.88e5	436	8.9	1.18	bb
200801K1_6	1000	1.29	NO	38.32	1.036	9.39e6	7.92e5	1090	9.5	1.19	bb

Compound name: PCB-152  
 Response Factor: 1.18641  
 RRF SD: 0.106735, Relative SD: 8.99646  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	rt	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.37	NO	38.80	1.049	1.72e3	6.57e5	0.221	-11.7	1.05	MM
200801K1_2	1.00	1.34	NO	38.80	1.049	6.42e3	7.35e5	0.966	-3.4	1.15	bb

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Compound name: PCB-152

Name	Std Conc	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200801K1_3	2.50	1.28	NO	38.80	1.049	2.02e4	7.36e5	2.32	-7.3	1.10	bb
200801K1_4	50.0	1.30	NO	38.80	1.049	4.38e5	7.19e5	51.3	2.6	1.22	bb
200801K1_5	400	1.31	NO	38.80	1.049	4.12e6	7.88e5	441	10.4	1.31	bb
200801K1_6	1000	1.30	NO	38.82	1.049	1.03e7	7.92e5	1090	9.4	1.30	bb

Compound name: PCB-145

Response Factor: 1.18848  
 RRF SD: 0.0869925, Relative SD: 7.31963  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200801K1_1	0.250	1.30	NO	39.27	1.062	1.80e3	6.57e5	0.231	-7.7	1.10	MM
200801K1_2	1.00	1.31	NO	39.27	1.062	8.51e3	7.35e5	0.974	-2.6	1.16	bb
200801K1_3	2.50	1.25	NO	39.27	1.061	2.04e4	7.36e5	2.34	-6.6	1.11	bb
200801K1_4	50.0	1.31	NO	39.27	1.061	4.24e5	7.19e5	49.6	-0.9	1.18	bb
200801K1_5	400	1.28	NO	39.27	1.061	4.10e6	7.88e5	438	9.5	1.30	bb
200801K1_6	1000	1.29	NO	39.27	1.061	1.02e7	7.92e5	1090	6.2	1.29	bb

Compound name: PCB-136

Response Factor: 1.02088  
 RRF SD: 0.0891715, Relative SD: 6.77586  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200801K1_1	0.250	1.19	NO	39.60	1.071	1.50e3	6.57e5	0.224	-10.4	0.915	MM
200801K1_2	1.00	1.37	NO	39.60	1.071	7.18e3	7.35e5	0.957	-4.3	0.977	MM
200801K1_3	2.50	1.20	NO	39.60	1.070	1.87e4	7.36e5	2.49	-0.3	1.02	bd
200801K1_4	50.0	1.32	NO	39.60	1.070	3.70e5	7.19e5	50.4	0.7	1.03	bd
200801K1_5	400	1.30	NO	39.60	1.070	3.47e6	7.88e5	431	7.8	1.10	bd
200801K1_6	1000	1.29	NO	39.60	1.070	8.61e6	7.92e5	1090	6.5	1.09	bd

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Compound name: PCB-148  
 Response Factor: 0.841589  
 RRF SD: 0.0633021, Relative SD: 7.52173  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Int. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.05	NO	39.71	1.074	1.36e3	6.57e5	0.246	-1.4	0.830	MM
200601K1_2	1.00	1.26	NO	39.71	1.074	5.73e3	7.35e5	0.926	-7.4	0.779	db
200601K1_3	2.50	1.29	NO	39.71	1.073	1.42e4	7.36e5	2.30	-8.0	0.775	db
200601K1_4	50.0	1.32	NO	39.71	1.073	2.99e5	7.19e5	49.4	-1.1	0.832	db
200601K1_5	400	1.31	NO	39.71	1.073	2.87e6	7.88e5	434	8.4	0.913	db
200601K1_6	1000	1.31	NO	39.71	1.073	7.30e6	7.92e5	1090	9.5	0.921	db

Compound name: PCB-154  
 Response Factor: 0.91897  
 RRF SD: 0.0435601, Relative SD: 4.7401  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Int. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.39	NO	40.22	1.088	1.56e3	6.57e5	0.258	3.3	0.949	MM
200601K1_2	1.00	1.41	NO	40.22	1.088	6.57e3	7.35e5	0.973	-2.7	0.894	MM
200601K1_3	2.50	1.35	NO	40.22	1.087	1.57e4	7.36e5	2.32	-7.1	0.853	bb
200601K1_4	50.0	1.33	NO	40.22	1.087	3.23e5	7.19e5	48.9	-2.2	0.899	bb
200601K1_5	400	1.30	NO	40.22	1.087	3.01e6	7.88e5	416	4.0	0.958	bb
200601K1_6	1000	1.30	NO	40.22	1.087	7.62e6	7.92e5	1050	4.7	0.963	bb

Compound name: PCB-151  
 Response Factor: 0.786525  
 RRF SD: 0.034223, Relative SD: 4.35117  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Int. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.07	NO	40.88	1.106	1.19e3	6.57e5	0.231	-7.8	0.725	MM
200601K1_2	1.00	1.15	NO	40.88	1.106	5.79e3	7.35e5	1.00	0.1	0.787	bb

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Compound name: PCB-151

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.14	NO	40.88	1.105	1.45e4	7.36e5	2.50	0.0	0.787	bb
200601K1_4	50.0	1.33	NO	40.88	1.105	2.82e5	7.19e5	49.9	-0.2	0.785	bd
200601K1_5	400	1.31	NO	40.88	1.105	2.54e6	7.88e5	410	2.8	0.807	bb
200601K1_6	1000	1.28	NO	40.88	1.105	6.56e6	7.92e5	1050	5.2	0.828	bd

Compound name: PCB-135

Response Factor: 0.922274

RRF SD: 0.05017, Relative SD: 5.43982

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.35	NO	41.11	1.112	1.63e3	6.57e5	0.268	7.3	0.990	MM
200601K1_2	1.00	1.27	NO	41.11	1.112	6.81e3	7.35e5	1.00	0.4	0.926	MM
200601K1_3	2.50	1.33	NO	41.11	1.111	1.56e4	7.36e5	2.29	-8.2	0.847	MM
200601K1_4	50.0	1.28	NO	41.11	1.111	3.19e5	7.19e5	48.1	-3.7	0.888	dd
200601K1_5	400	1.27	NO	41.11	1.111	2.93e6	7.88e5	403	0.7	0.929	bd
200601K1_6	1000	1.28	NO	41.11	1.111	7.56e6	7.92e5	1040	3.5	0.955	dd

Compound name: PCB-144

Response Factor: 0.788937

RRF SD: 0.0931784, Relative SD: 11.8106

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.07	NO	41.22	1.115	1.14e3	6.57e5	0.219	-12.4	0.691	dd
200601K1_2	1.00	1.05	NO	41.20	1.114	5.31e3	7.35e5	0.915	-8.5	0.722	MM
200601K1_3	2.50	1.25	NO	41.22	1.114	1.33e4	7.36e5	2.29	-8.5	0.722	MM
200601K1_4	50.0	1.30	NO	41.22	1.114	2.87e5	7.19e5	50.6	1.3	0.799	dd
200601K1_5	400	1.28	NO	41.22	1.114	2.82e6	7.88e5	454	13.4	0.895	dd
200601K1_6	1000	1.28	NO	41.22	1.114	7.17e6	7.92e5	1150	14.7	0.905	dd

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Compound name: PCB-147  
 Response Factor: 0.834498  
 RRF SD: 0.0629802, Relative SD: 7.54708  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	nly	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.35	NO	41.35	1.118	1.49e3	6.57e5	0.271	8.8	0.908	db
200801K1_2	1.00	1.27	NO	41.35	1.118	5.42e3	7.35e5	0.883	-11.7	0.737	MM
200801K1_3	2.50	1.33	NO	41.35	1.118	1.44e4	7.38e5	2.34	-8.4	0.781	MM
200801K1_4	50.0	1.32	NO	41.35	1.118	3.05e5	7.19e5	50.9	1.8	0.849	db
200801K1_5	400	1.29	NO	41.35	1.118	2.72e6	7.88e5	413	3.3	0.862	db
200801K1_6	1000	1.31	NO	41.35	1.118	6.90e6	7.92e5	1040	4.4	0.871	db

Compound name: PCB-139/149  
 Response Factor: 0.947782  
 RRF SD: 0.0555305, Relative SD: 5.859  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	nly	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.500	1.23	NO	41.63	1.126	3.21e3	6.57e5	0.515	3.0	0.977	MM
200801K1_2	2.00	1.18	NO	41.63	1.126	1.32e4	7.35e5	1.90	-5.2	0.898	MM
200801K1_3	5.00	1.32	NO	41.63	1.125	3.24e4	7.38e5	4.85	-7.0	0.881	bd
200801K1_4	100	1.30	NO	41.63	1.125	6.80e5	7.19e5	98.9	-3.1	0.918	bd
200801K1_5	800	1.28	NO	41.63	1.125	6.31e6	7.88e5	848	5.7	1.00	bd
200801K1_6	2000	1.30	NO	41.63	1.125	1.80e7	7.92e5	2130	6.8	1.01	bd

Compound name: PCB-140  
 Response Factor: 0.793808  
 RRF SD: 0.0527788, Relative SD: 6.65048  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	nly	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.38	NO	41.80	1.130	1.28e3	6.57e5	0.245	-1.8	0.779	MM
200801K1_2	1.00	1.30	NO	41.81	1.131	5.44e3	7.35e5	0.932	-6.8	0.740	MM

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**Compound name: PCB-140**

Name	Std Conc	RA	Int	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.30	NO	41.81	1.130	1.35e4	7.36e5	2.31	-7.4	0.735	db
200601K1_4	50.0	1.35	NO	41.81	1.130	2.88e5	7.19e5	50.5	0.9	0.801	db
200601K1_5	400	1.29	NO	41.81	1.130	2.70e6	7.88e5	431	7.9	0.856	db
200601K1_6	1000	1.32	NO	41.81	1.130	8.74e6	7.92e5	1070	7.3	0.851	db

**Compound name: PCB-134/143**

Response Factor: 0.758932

RRF SD: 0.0865715, Relative SD: 11.407

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Int	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.38	NO	42.26	0.975	3.74e3	1.21e6	0.408	-18.4	0.619	bb
200601K1_2	2.00	1.24	NO	42.26	0.975	1.80e4	1.26e6	1.88	-5.9	0.714	bb
200601K1_3	5.00	1.23	NO	42.26	0.975	4.77e4	1.30e6	4.84	-3.3	0.734	bb
200601K1_4	100	1.24	NO	42.26	0.974	1.01e6	1.25e6	107	8.8	0.809	bb
200601K1_5	800	1.22	NO	42.26	0.974	9.11e6	1.35e6	890	11.2	0.844	bb
200601K1_6	2000	1.24	NO	42.26	0.974	2.30e7	1.38e6	2200	9.8	0.833	bb

**Compound name: PCB-131/133**

Response Factor: 0.820779

RRF SD: 0.0843262, Relative SD: 10.2739

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Int	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.42	NO	42.57	0.982	4.18e3	1.21e6	0.420	-18.1	0.689	MM
200601K1_2	2.00	1.22	NO	42.57	0.982	1.97e4	1.26e6	1.90	-4.9	0.780	bd
200601K1_3	5.00	1.28	NO	42.57	0.982	5.11e4	1.30e6	4.79	-4.3	0.788	bd
200601K1_4	100	1.22	NO	42.57	0.981	1.08e6	1.25e6	105	5.3	0.885	bd
200601K1_5	800	1.22	NO	42.57	0.981	9.78e6	1.35e6	882	10.2	0.904	bd
200601K1_6	2000	1.23	NO	42.57	0.981	2.49e7	1.38e6	2190	9.7	0.901	bd

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**Compound name: PCB-142**

Response Factor: 0.754261

RRF SD: 0.0382275, Relative SD: 5.06821

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Int. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.18	NO	42.72	0.985	2.21e3	1.21e6	0.243	-2.8	0.733	MM
200601K1_2	1.00	1.24	NO	42.74	0.986	8.89e3	1.26e6	0.933	-6.7	0.703	db
200601K1_3	2.50	1.25	NO	42.74	0.986	2.38e4	1.30e6	2.42	-3.1	0.731	dd
200601K1_4	50.0	1.24	NO	42.74	0.985	4.79e5	1.25e6	50.8	1.5	0.766	dd
200601K1_5	400	1.23	NO	42.74	0.985	4.33e6	1.35e6	426	6.4	0.803	dd
200601K1_6	1000	1.21	NO	42.74	0.985	1.09e7	1.38e6	1050	4.7	0.790	dd

**Compound name: PCB-146/165**

Response Factor: 1.01661

RRF SD: 0.0808121, Relative SD: 7.94921

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Int. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.500	1.23	NO	42.97	0.991	5.49e3	1.21e6	0.447	-10.5	0.910	dd
200601K1_2	2.00	1.22	NO	42.97	0.991	2.47e4	1.26e6	1.92	-3.9	0.977	bb
200601K1_3	5.00	1.22	NO	42.97	0.991	6.23e4	1.30e6	4.71	-5.7	0.959	dd
200601K1_4	100	1.22	NO	42.97	0.990	1.31e6	1.25e6	103	2.9	1.05	dd
200601K1_5	800	1.23	NO	42.97	0.990	1.20e7	1.35e6	873	9.2	1.11	dd
200601K1_6	2000	1.22	NO	42.97	0.990	3.04e7	1.38e6	2160	8.1	1.10	dd

**Compound name: PCB-132/161**

Response Factor: 1.02411

RRF SD: 0.0851295, Relative SD: 6.3596

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Int. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.500	1.21	NO	43.19	0.996	5.86e3	1.21e6	0.474	-5.3	0.970	dd
200601K1_2	2.00	1.19	NO	43.21	0.997	2.45e4	1.26e6	1.89	-5.3	0.970	bd

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Compound name: PCB-132/161

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	5.00	1.28	NO	43.19	0.996	6.25e4	1.30e6	4.69	-6.2	0.961	dd
200601K1_4	100	1.24	NO	43.21	0.996	1.31e6	1.25e6	103	2.6	1.05	dd
200601K1_5	800	1.24	NO	43.21	0.996	1.19e7	1.35e6	861	7.7	1.10	dd
200601K1_6	2000	1.24	NO	43.21	0.996	3.02e7	1.38e6	2130	6.5	1.09	dd

Compound name: PCB-153

Response Factor: 1.07057

RRF SD: 0.0679682, Relative SD: 6.34876

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.42	NO	43.38	1.000	2.99e3	1.21e6	0.232	-7.4	0.992	MM
200601K1_2	1.00	1.26	NO	43.40	1.001	1.30e4	1.28e6	0.960	-4.0	1.03	dd
200601K1_3	2.50	1.18	NO	43.40	1.001	3.29e4	1.30e6	2.36	-5.5	1.01	dd
200601K1_4	50.0	1.25	NO	43.40	1.000	6.97e5	1.25e6	52.0	4.0	1.11	dd
200601K1_5	400	1.24	NO	43.40	1.000	6.17e6	1.35e6	426	6.9	1.14	dd
200601K1_6	1000	1.24	NO	43.40	1.000	1.57e7	1.38e6	1060	6.0	1.14	dd

Compound name: PCB-168

Response Factor: 1.07725

RRF SD: 0.0814218, Relative SD: 7.55832

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.09	NO	43.61	1.006	2.93e3	1.21e6	0.225	-10.1	0.969	db
200601K1_2	1.00	1.30	NO	43.61	1.006	1.29e4	1.26e6	0.946	-5.4	1.02	db
200601K1_3	2.50	1.23	NO	43.61	1.006	3.39e4	1.30e6	2.42	-3.3	1.04	db
200601K1_4	50.0	1.24	NO	43.61	1.005	6.89e5	1.25e6	51.1	2.1	1.10	db
200601K1_5	400	1.24	NO	43.63	1.006	6.32e6	1.35e6	435	8.7	1.17	db
200601K1_6	1000	1.23	NO	43.63	1.006	1.81e7	1.38e6	1060	8.0	1.16	db



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Compound name: PCB-141  
 Response Factor: 1.02661  
 RRF SD: 0.0643735, Relative SD: 6.27049  
 Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.34	NO	44.16	1.001	2.32e3	9.74e5	0.232	-7.2	0.953	MM
200601K1_2	1.00	1.28	NO	44.16	1.000	1.02e4	1.06e6	0.941	-5.9	0.966	MM
200601K1_3	2.50	1.23	NO	44.16	1.000	2.72e4	1.10e6	2.41	-3.6	0.989	bd
200601K1_4	50.0	1.24	NO	44.18	1.000	5.51e5	1.03e6	51.9	3.8	1.07	bd
200601K1_5	400	1.24	NO	44.18	1.000	4.91e6	1.12e6	426	6.6	1.09	bd
200601K1_6	1000	1.24	NO	44.16	1.000	1.23e7	1.12e6	1060	6.3	1.09	bd

Compound name: PCB-137  
 Response Factor: 1.11036  
 RRF SD: 0.0861984, Relative SD: 7.76308  
 Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.39	NO	44.54	1.010	2.39e3	9.74e5	0.221	-11.5	0.983	MM
200601K1_2	1.00	1.34	NO	44.56	1.009	1.09e4	1.06e6	0.931	-6.9	1.03	MM
200601K1_3	2.50	1.19	NO	44.56	1.009	3.06e4	1.10e6	2.51	0.3	1.11	MM
200601K1_4	50.0	1.24	NO	44.56	1.009	5.93e5	1.03e6	51.6	3.2	1.15	bd
200601K1_5	400	1.22	NO	44.56	1.009	5.38e6	1.12e6	432	8.0	1.20	bd
200601K1_6	1000	1.22	NO	44.56	1.009	1.34e7	1.12e6	1070	6.9	1.19	bd

Compound name: PCB-130  
 Response Factor: 0.885312  
 RRF SD: 0.0756292, Relative SD: 8.54266  
 Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.41	NO	44.65	1.012	1.86e3	9.74e5	0.216	-13.6	0.765	MM
200601K1_2	1.00	1.09	NO	44.65	1.012	9.08e3	1.06e6	0.969	-3.1	0.858	MM

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Compound name: PCB-130

Name	Std Conc	RA	inj	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.29	NO	44.65	1.012	2.34e4	1.10e6	2.41	-3.7	0.852	MM
200601K1_4	50.0	1.24	NO	44.67	1.012	4.75e5	1.03e6	51.9	3.8	0.919	MM
200601K1_5	400	1.23	NO	44.67	1.012	4.37e6	1.12e6	440	10.0	0.974	MM
200601K1_6	1000	1.23	NO	44.67	1.012	1.06e7	1.12e6	1070	6.6	0.944	MM

Compound name: PCB-138/163/164

Response Factor: 1.28353

RRF SD: 0.106549, Relative SD: 8.30127

Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	inj	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.750	1.29	NO	45.05	1.001	8.62e3	1.00e6	0.671	-10.6	1.15	MM
200601K1_2	3.00	1.18	NO	45.05	1.001	4.01e4	1.11e6	2.82	-5.9	1.21	bd
200601K1_3	7.50	1.26	NO	45.05	1.001	1.06e5	1.16e6	7.12	-5.1	1.22	bd
200601K1_4	150	1.23	NO	45.05	1.001	2.17e6	1.07e6	157	4.8	1.35	bd
200601K1_5	1200	1.23	NO	45.05	1.001	2.01e7	1.18e6	1330	10.5	1.42	bd
200601K1_6	3000	1.23	NO	45.05	1.001	5.01e7	1.22e6	3190	6.3	1.36	bd

Compound name: PCB-158/160

Response Factor: 1.23999

RRF SD: 0.0786271, Relative SD: 6.34093

Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	inj	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.06	NO	45.28	1.006	5.95e3	1.00e6	0.479	-4.2	1.19	MM
200601K1_2	2.00	1.20	NO	45.30	1.007	2.56e4	1.11e6	1.87	-6.7	1.16	dd
200601K1_3	5.00	1.23	NO	45.30	1.006	6.75e4	1.16e6	4.70	-5.9	1.17	dd
200601K1_4	100	1.22	NO	45.30	1.006	1.38e6	1.07e6	104	3.6	1.26	dd
200601K1_5	800	1.22	NO	45.30	1.006	1.26e7	1.18e6	864	8.0	1.34	dd
200601K1_6	2000	1.24	NO	45.30	1.006	3.19e7	1.22e6	2100	5.2	1.30	dd

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Compound name: PCB-129  
 Response Factor: 0.866678  
 RRF SD: 0.0575829, Relative SD: 6.64409  
 Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.30	NO	45.54	1.012	2.07e3	1.00e6	0.239	-4.5	0.827	MM
200601K1_2	1.00	1.30	NO	45.54	1.012	9.27e3	1.11e6	0.968	-3.4	0.837	db
200601K1_3	2.50	1.28	NO	45.54	1.012	2.27e4	1.16e6	2.27	-9.2	0.787	db
200601K1_4	50.0	1.23	NO	45.54	1.012	4.97e5	1.07e6	53.4	6.8	0.926	db
200601K1_5	400	1.22	NO	45.54	1.012	4.35e6	1.18e6	426	6.6	0.923	db
200601K1_6	1000	1.22	NO	45.54	1.012	1.10e7	1.22e6	1040	3.8	0.900	db

Compound name: PCB-166  
 Response Factor: 1.14308  
 RRF SD: 0.0513388, Relative SD: 4.49125  
 Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.21	NO	46.02	0.993	3.46e3	1.22e6	0.249	-0.5	1.14	db
200601K1_2	1.00	1.17	NO	46.00	0.993	1.44e4	1.34e6	0.943	-5.7	1.08	MM
200601K1_3	2.50	1.25	NO	46.02	0.993	3.77e4	1.39e6	2.38	-4.7	1.09	MM
200601K1_4	50.0	1.24	NO	46.02	0.993	7.77e5	1.33e6	51.2	2.3	1.17	MM
200601K1_5	400	1.24	NO	46.02	0.993	6.88e6	1.42e6	423	5.8	1.21	MM
200601K1_6	1000	1.22	NO	46.02	0.993	1.77e7	1.51e6	1030	2.7	1.17	MM

Compound name: PCB-159  
 Response Factor: 1.21657  
 RRF SD: 0.0622303, Relative SD: 5.11521  
 Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.24	NO	46.34	1.000	3.62e3	1.22e6	0.245	-2.2	1.19	MM
200601K1_2	1.00	1.24	NO	46.34	1.000	1.58e4	1.34e6	0.961	-3.9	1.17	MM

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Compound name: PCB-150

Name	Std Conc	RA	rf	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.29	NO	46.36	1.001	3.92e4	1.38e6	2.33	-6.7	1.13	MM
200601K1_4	50.0	1.22	NO	46.36	1.000	8.24e5	1.33e6	51.0	2.0	1.24	MM
200601K1_5	400	1.24	NO	46.36	1.000	7.37e6	1.42e6	428	6.6	1.30	MM
200601K1_6	1000	1.23	NO	46.36	1.000	1.91e7	1.51e6	1040	4.3	1.27	MM

Compound name: PCB-128/162

Response Factor: 0.907497

RRF SD: 0.0511425, Relative SD: 5.63556

Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	rf	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.13	NO	46.64	1.007	5.34e3	1.22e6	0.484	-3.3	0.676	MM
200601K1_2	2.00	1.20	NO	46.64	1.007	2.26e4	1.34e6	1.86	-6.9	0.845	MM
200601K1_3	5.00	1.25	NO	46.64	1.007	5.99e4	1.38e6	4.77	-4.8	0.866	MM
200601K1_4	100	1.24	NO	46.64	1.007	1.25e6	1.33e6	103	3.3	0.938	MM
200601K1_5	800	1.24	NO	46.64	1.007	1.10e7	1.42e6	856	7.0	0.971	MM
200601K1_6	2000	1.21	NO	46.66	1.007	2.85e7	1.51e6	2090	4.4	0.947	MM

Compound name: PCB-167

Response Factor: 1.10858

RRF SD: 0.0571768, Relative SD: 5.15766

Response type: Internal Std ( Ref 200 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	rf	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.29	NO	47.06	1.001	3.31e3	1.22e6	0.248	-1.8	1.09	MM
200601K1_2	1.00	1.39	NO	47.06	1.001	1.36e4	1.33e6	0.938	-6.2	1.04	MM
200601K1_3	2.50	1.19	NO	47.06	1.000	3.66e4	1.39e6	2.38	-4.7	1.06	bb
200601K1_4	50.0	1.24	NO	47.06	1.000	7.62e5	1.38e6	50.6	1.2	1.12	bb
200601K1_5	400	1.25	NO	47.06	1.000	6.68e6	1.41e6	428	7.1	1.19	bb
200601K1_6	1000	1.23	NO	47.06	1.000	1.72e7	1.49e6	1040	4.3	1.16	bb

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Compound name: PCB-156  
 Response Factor: 1.12589  
 RRF SD: 0.0789703, Relative SD: 7.01404  
 Response type: Internal Std ( Ref 201 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.42	NO	48.38	1.000	3.07e3	1.18e6	0.231	-7.7	1.04	MM
200601K1_2	1.00	1.18	NO	48.38	1.000	1.32e4	1.26e6	0.931	-6.9	1.05	MM
200601K1_3	2.50	1.20	NO	48.38	1.000	3.67e4	1.35e6	2.42	-3.4	1.09	bb
200601K1_4	50.0	1.25	NO	48.38	1.000	7.58e5	1.31e6	51.2	2.5	1.15	bd
200601K1_5	400	1.22	NO	48.38	1.000	6.73e6	1.37e6	435	8.9	1.23	bd
200601K1_6	1000	1.23	NO	48.38	1.000	1.76e7	1.47e6	1070	6.6	1.20	bd

Compound name: PCB-157  
 Response Factor: 1.03828  
 RRF SD: 0.0627401, Relative SD: 6.04267  
 Response type: Internal Std ( Ref 202 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.31	NO	48.65	1.000	2.89e3	1.19e6	0.234	-6.2	0.974	MM
200601K1_2	1.00	1.16	NO	48.67	1.001	1.21e4	1.24e6	0.943	-5.7	0.980	dd
200601K1_3	2.50	1.20	NO	48.67	1.000	3.40e4	1.36e6	2.41	-3.7	1.00	bd
200601K1_4	50.0	1.23	NO	48.67	1.000	6.97e5	1.31e6	51.1	2.2	1.06	dd
200601K1_5	400	1.23	NO	48.67	1.000	6.16e6	1.37e6	432	8.0	1.12	dd
200601K1_6	1000	1.23	NO	48.67	1.000	1.82e7	1.48e6	1050	5.4	1.09	dd

Compound name: PCB-169  
 Response Factor: 1.15806  
 RRF SD: 0.0659172, Relative SD: 5.69202  
 Response type: Internal Std ( Ref 203 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.16	NO	50.92	1.000	3.08e3	1.12e6	0.238	-5.0	1.10	bb
200601K1_2	1.00	1.28	NO	50.92	1.000	1.29e4	1.19e6	0.940	-6.0	1.09	MM

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Compound name: PCB-169

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.27	NO	50.92	1.000	3.70e4	1.33e6	2.40	-4.1	1.11	bb
200601K1_4	50.0	1.23	NO	50.92	1.000	7.28e5	1.22e6	51.5	2.9	1.19	bb
200601K1_5	400	1.23	NO	50.92	1.000	6.46e6	1.30e6	429	7.2	1.24	bb
200601K1_6	1000	1.24	NO	50.94	1.000	1.73e7	1.42e6	1050	5.0	1.22	bb

Compound name: PCB-188

Response Factor: 1.28967

RRF SD: 0.0641497, Relative SD: 4.97412

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.91	NO	43.01	1.000	2.94e3	9.28e5	0.248	-1.7	1.27	MM
200601K1_2	1.00	1.01	NO	43.01	1.000	1.20e4	1.02e6	0.918	-8.4	1.16	MM
200601K1_3	2.50	0.97	NO	43.02	1.001	3.28e4	1.03e6	2.48	-1.6	1.27	bb
200601K1_4	50.0	1.05	NO	43.02	1.000	6.73e5	1.01e6	51.5	3.0	1.33	bb
200601K1_5	400	1.05	NO	43.02	1.000	6.15e6	1.13e6	420	5.1	1.35	bb
200601K1_6	1000	1.03	NO	43.02	1.000	1.58e7	1.18e6	1040	3.7	1.34	bb

Compound name: PCB-184

Response Factor: 1.23185

RRF SD: 0.0863042, Relative SD: 7.00722

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.16	NO	43.48	1.011	2.47e3	9.28e5	0.216	-13.6	1.06	MM
200601K1_2	1.00	0.98	NO	43.48	1.011	1.28e4	1.02e6	1.01	0.8	1.24	bb
200601K1_3	2.50	1.09	NO	43.48	1.012	3.18e4	1.03e6	2.50	-0.1	1.23	bb
200601K1_4	50.0	1.04	NO	43.48	1.011	6.50e5	1.01e6	52.1	4.1	1.28	bb
200601K1_5	400	1.05	NO	43.48	1.011	5.91e6	1.13e6	423	5.7	1.30	bb
200601K1_6	1000	1.03	NO	43.48	1.011	1.50e7	1.18e6	1030	3.1	1.27	bb

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Compound name: PCB-179  
 Response Factor: 1.29806  
 RRF SD: 0.052795, Relative SD: 4.06721  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	1.00	NO	44.27	1.030	2.80e3	9.28e5	0.232	-7.0	1.21	MM
200801K1_2	1.00	1.00	NO	44.29	1.030	1.29e4	1.02e6	0.979	-2.1	1.27	MM
200801K1_3	2.50	1.10	NO	44.29	1.030	3.39e4	1.03e6	2.52	1.0	1.31	bb
200801K1_4	50.0	1.04	NO	44.29	1.030	6.78e5	1.01e6	51.4	2.8	1.33	bb
200801K1_5	400	1.04	NO	44.29	1.030	6.16e6	1.13e6	418	4.5	1.36	bb
200801K1_6	1000	1.04	NO	44.29	1.030	1.55e7	1.18e6	1010	0.9	1.31	bb

Compound name: PCB-176  
 Response Factor: 1.30863  
 RRF SD: 0.0665306, Relative SD: 5.08397  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	1.13	NO	44.75	1.041	2.78e3	9.28e5	0.229	-8.5	1.20	MM
200801K1_2	1.00	1.07	NO	44.77	1.041	1.34e4	1.02e6	1.01	0.7	1.32	bb
200801K1_3	2.50	1.07	NO	44.77	1.041	3.31e4	1.03e6	2.44	-2.3	1.28	MM
200801K1_4	50.0	1.05	NO	44.77	1.041	6.80e5	1.01e6	51.3	2.8	1.34	bb
200801K1_5	400	1.04	NO	44.77	1.041	6.33e6	1.13e6	428	6.5	1.39	bb
200801K1_6	1000	1.03	NO	44.77	1.041	1.57e7	1.18e6	1010	1.1	1.32	bb

Compound name: PCB-186  
 Response Factor: 1.32902  
 RRF SD: 0.119081, Relative SD: 8.96013  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	1.08	NO	45.37	1.056	2.56e3	9.28e5	0.207	-17.1	1.10	MM
200801K1_2	1.00	0.95	NO	45.39	1.056	1.36e4	1.02e6	1.01	0.8	1.34	MM

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Compound name: PCB-186

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_3	2.50	1.07	NO	45.39	1.056	3.39e4	1.03e6	2.47	-1.3	1.31	bb
200801K1_4	50.0	1.02	NO	45.39	1.056	7.15e5	1.01e6	53.1	6.1	1.41	bb
200801K1_5	400	1.03	NO	45.39	1.056	6.42e6	1.13e6	426	6.5	1.42	bb
200801K1_6	1000	1.04	NO	45.39	1.056	1.85e7	1.18e6	1050	5.0	1.40	bb

Compound name: PCB-178

Response Factor: 0.943241

RRF SD: 0.0555819, Relative SD: 5.89285

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.09	NO	45.88	1.067	1.99e3	9.28e5	0.227	-9.2	0.857	MM
200801K1_2	1.00	1.03	NO	45.90	1.068	9.96e3	1.02e6	1.04	3.9	0.980	bb
200801K1_3	2.50	1.02	NO	45.90	1.068	2.31e4	1.03e6	2.37	-5.2	0.894	bb
200801K1_4	50.0	1.03	NO	45.90	1.067	5.05e5	1.01e6	52.9	5.8	0.996	bb
200801K1_5	400	1.04	NO	45.90	1.067	4.43e6	1.13e6	414	3.4	0.975	bb
200801K1_6	1000	1.04	NO	45.90	1.067	1.13e7	1.18e6	1010	1.4	0.956	bb

Compound name: PCB-175

Response Factor: 0.956238

RRF SD: 0.0418022, Relative SD: 4.37152

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.01	NO	46.24	1.076	2.15e3	9.26e5	0.242	-3.0	0.927	bd
200801K1_2	1.00	1.01	NO	46.24	1.076	9.07e3	1.02e6	0.934	-6.6	0.893	MM
200801K1_3	2.50	1.00	NO	46.26	1.076	2.45e4	1.03e6	2.47	-1.1	0.946	bd
200801K1_4	50.0	1.04	NO	46.26	1.076	5.06e5	1.01e6	52.2	4.5	0.999	bd
200801K1_5	400	1.04	NO	46.26	1.076	4.52e6	1.13e6	417	4.1	0.996	bd
200801K1_6	1000	1.04	NO	46.26	1.076	1.18e7	1.18e6	1020	2.1	0.977	bd



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Compound name: PCB-182/187

Response Factor: 1.06615

RRF SD: 0.0507133, Relative SD: 4.75669

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.500	1.16	NO	46.43	1.080	4.78e3	9.28e5	0.483	-3.3	1.03	MM
200801K1_2	2.00	1.06	NO	46.43	1.080	2.07e4	1.02e6	1.91	-4.4	1.02	db
200801K1_3	5.00	1.00	NO	46.43	1.080	5.24e4	1.03e6	4.74	-5.1	1.01	MM
200801K1_4	100	1.04	NO	46.43	1.080	1.13e6	1.01e6	104	4.2	1.11	db
200801K1_5	800	1.05	NO	46.43	1.080	1.02e7	1.13e6	840	5.0	1.12	db
200801K1_6	2000	1.04	NO	46.43	1.080	2.62e7	1.18e6	2070	3.7	1.11	db

Compound name: PCB-183

Response Factor: 1.02281

RRF SD: 0.0863349, Relative SD: 8.44093

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.07	NO	46.76	1.066	2.03e3	9.28e5	0.214	-14.4	0.875	MM
200801K1_2	1.00	1.12	NO	46.76	1.066	9.96e3	1.02e6	0.958	-4.2	0.980	bb
200801K1_3	2.50	1.02	NO	46.76	1.066	2.62e4	1.03e6	2.47	-1.0	1.01	bb
200801K1_4	50.0	1.03	NO	46.76	1.067	5.52e5	1.01e6	53.3	6.5	1.09	bb
200801K1_5	400	1.04	NO	46.76	1.067	4.98e6	1.13e6	429	7.3	1.10	bb
200801K1_6	1000	1.04	NO	46.76	1.067	1.28e7	1.18e6	1060	5.8	1.08	bb

Compound name: PCB-185

Response Factor: 1.40567

RRF SD: 0.0901625, Relative SD: 6.41419

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.06	NO	47.44	0.955	1.96e3	6.16e5	0.227	-9.4	1.27	bb
200801K1_2	1.00	1.04	NO	47.44	0.955	9.08e3	6.54e5	0.986	-1.4	1.39	bb

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Compound name: PCB-185

Name	Std. Conc.	RA	rv	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	2.50	1.05	NO	47.44	0.955	2.33e4	7.01e5	2.37	-5.3	1.33	bb
200801K1_4	50.0	1.02	NO	47.44	0.955	4.98e5	6.87e5	53.2	6.4	1.50	bb
200801K1_5	400	1.04	NO	47.44	0.955	4.39e6	7.40e5	422	5.5	1.48	bb
200801K1_6	1000	1.04	NO	47.44	0.955	1.14e7	7.81e5	1040	4.1	1.48	bb

Compound name: PCB-174

Response Factor: 1.35369

RRF SD: 0.0944983, Relative SD: 6.9808

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rv	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.10	NO	47.80	0.962	1.90e3	6.16e5	0.228	-6.7	1.24	MM
200801K1_2	1.00	1.15	NO	47.82	0.962	8.12e3	6.54e5	0.918	-6.2	1.24	bd
200801K1_3	2.50	1.06	NO	47.82	0.962	2.37e4	7.01e5	2.50	0.2	1.36	bd
200801K1_4	50.0	1.04	NO	47.82	0.962	4.78e5	6.87e5	53.0	5.9	1.43	bd
200801K1_5	400	1.03	NO	47.82	0.962	4.29e6	7.40e5	428	7.1	1.45	bd
200801K1_6	1000	1.02	NO	47.82	0.962	1.10e7	7.81e5	1040	3.8	1.40	bd

Compound name: PCB-181

Response Factor: 1.47446

RRF SD: 0.117329, Relative SD: 7.9574

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rv	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.20	NO	47.91	0.964	2.03e3	6.16e5	0.224	-10.4	1.32	MM
200801K1_2	1.00	1.15	NO	47.91	0.964	1.02e4	6.54e5	1.06	6.2	1.57	dd
200801K1_3	2.50	1.07	NO	47.91	0.964	2.32e4	7.01e5	2.25	-10.0	1.33	dd
200801K1_4	50.0	1.03	NO	47.93	0.965	5.11e5	6.87e5	52.0	4.1	1.53	dd
200801K1_5	400	1.04	NO	47.93	0.965	4.60e6	7.40e5	422	5.5	1.56	dd
200801K1_6	1000	1.04	NO	47.93	0.965	1.21e7	7.81e5	1050	4.8	1.54	dd

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Compound name: PCB-177  
 Response Factor: 1.27779  
 RRF SD: 0.0954777, Relative SD: 7.4721  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.00	NO	48.10	0.968	1.77e3	6.16e5	0.225	-10.2	1.15	MM
200601K1_2	1.00	1.02	NO	48.10	0.968	7.89e3	6.54e5	0.945	-5.5	1.21	dd
200601K1_3	2.50	1.13	NO	48.10	0.968	2.15e4	7.01e5	2.40	-3.9	1.23	MM
200601K1_4	50.0	1.04	NO	48.10	0.968	4.52e5	6.67e5	53.0	6.1	1.36	db
200601K1_5	400	1.04	NO	48.10	0.968	4.08e6	7.40e5	432	7.9	1.36	db
200601K1_6	1000	1.03	NO	48.10	0.968	1.05e7	7.81e5	1060	5.8	1.35	db

Compound name: PCB-171  
 Response Factor: 1.31619  
 RRF SD: 0.111307, Relative SD: 8.45674  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.15	NO	48.38	0.974	1.77e3	6.16e5	0.218	-12.6	1.15	MM
200601K1_2	1.00	0.99	NO	48.38	0.974	8.25e3	6.54e5	0.959	-4.1	1.26	MM
200601K1_3	2.50	0.98	NO	48.38	0.974	2.19e4	7.01e5	2.38	-4.9	1.25	MM
200601K1_4	50.0	1.03	NO	48.40	0.974	4.88e5	6.67e5	53.3	6.8	1.40	bd
200601K1_5	400	1.02	NO	48.40	0.974	4.19e6	7.40e5	431	7.8	1.42	bd
200601K1_6	1000	1.04	NO	48.40	0.974	1.10e7	7.81e5	1070	7.4	1.41	bd

Compound name: PCB-173  
 Response Factor: 1.18982  
 RRF SD: 0.0600259, Relative SD: 5.04452  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.93	NO	48.84	0.983	1.75e3	6.16e5	0.238	-4.7	1.13	MM
200601K1_2	1.00	1.12	NO	48.84	0.983	7.51e3	6.54e5	0.968	-3.4	1.15	MM

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Compound name: PCB-173

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.03	NO	48.84	0.983	1.97e4	7.01e5	2.36	-5.5	1.12	MM
200601K1_4	50.0	1.06	NO	48.84	0.983	4.15e5	6.67e5	52.4	4.7	1.25	dd
200601K1_5	400	1.03	NO	48.84	0.983	3.70e6	7.40e5	420	5.0	1.25	dd
200601K1_6	1000	1.03	NO	48.84	0.983	9.66e6	7.81e5	1040	3.9	1.24	bb

Compound name: PCB-172

Response Factor: 1.37524

RRF SD: 0.11268, Relative SD: 8.20798

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.00	NO	49.29	0.992	1.87e3	6.16e5	0.221	-11.5	1.22	dd
200601K1_2	1.00	0.96	NO	49.29	0.992	8.89e3	6.54e5	0.967	-3.3	1.33	dd
200601K1_3	2.50	1.04	NO	49.29	0.992	2.25e4	7.01e5	2.34	-6.4	1.29	dd
200601K1_4	50.0	1.05	NO	49.29	0.992	4.86e5	6.67e5	53.0	5.9	1.46	dd
200601K1_5	400	1.03	NO	49.29	0.992	4.39e6	7.40e5	432	7.9	1.46	dd
200601K1_6	1000	1.04	NO	49.29	0.992	1.15e7	7.81e5	1070	7.4	1.46	dd

Compound name: PCB-192

Response Factor: 1.82672

RRF SD: 0.139002, Relative SD: 7.60937

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.89	NO	49.48	0.996	3.10e3	8.16e5	0.278	10.3	2.02	MM
200601K1_2	1.00	1.10	NO	49.48	0.996	1.06e4	6.54e5	0.885	-11.5	1.62	dd
200601K1_3	2.50	1.05	NO	49.50	0.996	3.02e4	7.01e5	2.36	-5.7	1.72	dd
200601K1_4	50.0	1.03	NO	49.50	0.996	6.16e5	6.67e5	50.8	1.2	1.65	dd
200601K1_5	400	1.03	NO	49.50	0.996	5.80e6	7.40e5	414	3.6	1.89	dd
200601K1_6	1000	1.03	NO	49.50	0.996	1.46e7	7.81e5	1020	2.1	1.87	dd

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Compound name: PCB-180  
 Response Factor: 1.41175  
 RRF SD: 0.126648, Relative SD: 8.97102  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp.	IS Resp.	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.08	NO	49.71	1.000	1.80e3	6.16e5	0.207	-17.2	1.17	dd
200601K1_2	1.00	1.20	NO	49.71	1.000	9.48e3	6.54e5	1.03	2.7	1.45	dd
200601K1_3	2.50	1.02	NO	49.71	1.000	2.42e4	7.01e5	2.45	-2.0	1.38	dd
200601K1_4	50.0	1.03	NO	49.71	1.000	4.91e5	6.67e5	52.2	4.4	1.47	dd
200601K1_5	400	1.04	NO	49.71	1.000	4.47e6	7.40e5	428	7.0	1.51	dd
200601K1_6	1000	1.03	NO	49.71	1.000	1.16e7	7.81e5	1050	5.0	1.48	dd

Compound name: PCB-183  
 Response Factor: 1.67682  
 RRF SD: 0.0708905, Relative SD: 4.22768  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp.	IS Resp.	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.18	NO	49.92	1.005	2.64e3	6.16e5	0.256	2.4	1.72	MM
200601K1_2	1.00	1.01	NO	49.92	1.005	1.06e4	6.54e5	0.963	-3.7	1.81	db
200601K1_3	2.50	0.99	NO	49.92	1.005	2.74e4	7.01e5	2.33	-6.8	1.56	MM
200601K1_4	50.0	1.03	NO	49.92	1.005	5.70e5	6.67e5	51.0	2.0	1.71	db
200601K1_5	400	1.04	NO	49.92	1.005	5.14e6	7.40e5	415	3.7	1.74	dd
200601K1_6	1000	1.03	NO	49.92	1.005	1.34e7	7.81e5	1030	2.5	1.72	db

Compound name: PCB-181  
 Response Factor: 1.71019  
 RRF SD: 0.0665243, Relative SD: 3.88988  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp.	IS Resp.	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.04	NO	50.19	1.010	2.61e3	6.16e5	0.248	-1.0	1.69	MM
200601K1_2	1.00	1.08	NO	50.19	1.010	1.08e4	6.54e5	0.963	-3.7	1.85	MM

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**Compound name: PCB-191**

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	2.50	0.92	NO	50.19	1.010	2.85e4	7.01e5	2.38	-5.0	1.62	MM
200601K1_4	50.0	1.00	NO	50.19	1.010	5.78e5	6.67e5	50.8	1.5	1.74	bb
200601K1_5	400	1.04	NO	50.19	1.010	5.29e6	7.40e5	418	4.6	1.79	dd
200601K1_6	1000	1.05	NO	50.19	1.010	1.36e7	7.81e5	1040	3.6	1.77	bd

**Compound name: PCB-170**

Response Factor: 1.40071

RRF SD: 0.105718, Relative SD: 7.54749

Response type: Internal Std ( Ref 206 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.10	NO	51.36	1.000	1.64e3	5.21e5	0.224	-10.3	1.26	MM
200601K1_2	1.00	0.97	NO	51.36	1.000	7.54e3	5.75e5	0.935	-6.5	1.31	MM
200601K1_3	2.50	1.08	NO	51.36	1.000	2.11e4	6.11e5	2.46	-1.4	1.38	MM
200601K1_4	50.0	1.04	NO	51.36	1.000	4.14e5	5.78e5	51.0	2.1	1.43	bd
200601K1_5	400	1.03	NO	51.36	1.000	3.73e6	6.11e5	438	9.0	1.53	bd
200601K1_6	1000	1.02	NO	51.36	1.000	9.85e6	6.57e5	1070	7.1	1.50	bd

**Compound name: PCB-190**

Response Factor: 1.85102

RRF SD: 0.142118, Relative SD: 7.67782

Response type: Internal Std ( Ref 206 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.07	NO	51.59	1.004	2.26e3	5.21e5	0.234	-6.3	1.73	MM
200601K1_2	1.00	1.09	NO	51.59	1.004	9.81e3	5.75e5	0.921	-7.9	1.71	MM
200601K1_3	2.50	1.11	NO	51.59	1.004	2.68e4	6.11e5	2.37	-5.3	1.75	MM
200601K1_4	50.0	1.00	NO	51.59	1.004	5.43e5	5.78e5	50.7	1.4	1.88	db
200601K1_5	400	1.04	NO	51.59	1.004	4.96e6	6.11e5	439	9.7	2.03	db
200601K1_6	1000	1.05	NO	51.59	1.004	1.32e7	6.57e5	1060	8.4	2.01	db

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Compound name: PCB-189  
 Response Factor: 1.4524  
 RRF SD: 0.0988417, Relative SD: 6.80541  
 Response type: Internal Std ( Ref 207 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.18	NO	53.08	1.000	2.37e3	6.87e5	0.238	-5.0	1.38	MM
200601K1_2	1.00	1.00	NO	53.10	1.000	1.00e4	7.42e5	0.932	-6.8	1.35	MM
200601K1_3	2.50	1.09	NO	53.10	1.000	2.75e4	8.11e5	2.34	-6.5	1.36	MM
200601K1_4	50.0	1.03	NO	53.10	1.000	5.78e5	7.81e5	52.1	4.2	1.51	bb
200601K1_5	400	1.02	NO	53.10	1.000	5.04e6	8.07e5	430	7.5	1.56	bb
200601K1_6	1000	1.02	NO	53.10	1.000	1.34e7	8.85e5	1070	8.8	1.55	bb

Compound name: PCB-202  
 Response Factor: 1.16825  
 RRF SD: 0.08292, Relative SD: 7.09778  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.93	NO	48.59	1.000	1.92e3	6.72e5	0.245	-2.2	1.14	MM
200601K1_2	1.00	1.02	NO	48.61	1.000	7.83e3	7.55e5	0.888	-11.2	1.04	MM
200601K1_3	2.50	0.94	NO	48.61	1.000	2.18e4	7.88e5	2.43	-2.8	1.14	bb
200601K1_4	50.0	0.89	NO	48.61	1.000	4.58e5	7.74e5	50.8	1.3	1.18	bb
200601K1_5	400	0.91	NO	48.61	1.000	4.13e6	8.21e5	431	7.7	1.26	bb
200601K1_6	1000	0.91	NO	48.61	1.000	1.08e7	8.48e5	1070	7.2	1.25	bb

Compound name: PCB-201  
 Response Factor: 1.05277  
 RRF SD: 0.0608949, Relative SD: 5.78427  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.79	NO	49.10	1.011	1.71e3	6.72e5	0.241	-3.6	1.01	bd
200601K1_2	1.00	0.90	NO	49.10	1.010	7.27e3	7.55e5	0.915	-8.5	0.983	bd

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Compound name: PCB-201

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X#	dropped
200601K1_3	2.50	0.94	NO	49.10	1.010	1.99e4	7.86e5	2.47	-1.2	1.04		bd
200601K1_4	50.0	0.91	NO	49.10	1.010	4.10e5	7.74e5	50.3	0.7	1.06		bd
200601K1_5	400	0.92	NO	49.10	1.010	3.66e6	8.21e5	424	6.0	1.12		bd
200601K1_6	1000	0.91	NO	49.10	1.010	9.50e6	8.46e5	1070	6.6	1.12		bd

Compound name: PCB-204

Response Factor: 1.1409

RRF SD: 0.0887975, Relative SD: 7.78308

Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X#	dropped
200601K1_1	0.250	0.77	NO	49.24	1.014	1.83e3	6.72e5	0.238	-4.6	1.09		MM
200601K1_2	1.00	0.89	NO	49.28	1.014	8.01e3	7.55e5	0.930	-7.0	1.06		db
200601K1_3	2.50	0.82	NO	49.26	1.014	2.04e4	7.86e5	2.34	-6.5	1.07		db
200601K1_4	50.0	0.90	NO	49.26	1.014	4.36e5	7.74e5	49.4	-1.2	1.13		db
200601K1_5	400	0.91	NO	49.28	1.014	4.07e6	8.21e5	435	8.7	1.24		db
200601K1_6	1000	0.91	NO	49.26	1.014	1.07e7	8.46e5	1110	10.6	1.26		db

Compound name: PCB-197

Response Factor: 1.13263

RRF SD: 0.0852075, Relative SD: 7.52295

Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X#	dropped
200601K1_1	0.250	0.99	NO	49.58	1.021	1.89e3	6.72e5	0.248	-0.9	1.12		MM
200601K1_2	1.00	1.01	NO	49.58	1.020	7.47e3	7.55e5	0.874	-12.6	0.989		bb
200601K1_3	2.50	0.99	NO	49.58	1.020	2.16e4	7.86e5	2.49	-0.4	1.13		MM
200601K1_4	50.0	0.90	NO	49.58	1.020	4.31e5	7.74e5	49.2	-1.6	1.11		bb
200601K1_5	400	0.91	NO	49.58	1.020	4.00e6	8.21e5	431	7.7	1.22		bb
200601K1_6	1000	0.89	NO	49.58	1.020	1.03e7	8.46e5	1080	7.8	1.22		bb



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Compound name: PCB-200  
 Response Factor: 1.07032  
 RRF SD: 0.0809843, Relative SD: 7.56448  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.00	NO	50.51	1.040	1.84e3	6.72e5	0.256	2.3	1.09	bb
2	200601K1_2	1.00	0.95	NO	50.51	1.039	7.00e3	7.55e5	0.866	-13.4	0.927	bb
3	200601K1_3	2.50	0.87	NO	50.51	1.039	2.02e4	7.66e5	2.46	-1.7	1.05	bb
4	200601K1_4	50.0	0.90	NO	50.53	1.040	4.10e5	7.74e5	49.5	-1.1	1.06	bb
5	200601K1_5	400	0.90	NO	50.53	1.040	3.78e6	8.21e5	430	7.5	1.15	bb
6	200601K1_6	1000	0.89	NO	50.53	1.040	9.83e6	8.48e5	1060	6.4	1.14	bb

Compound name: PCB-198  
 Response Factor: 0.793834  
 RRF SD: 0.0466547, Relative SD: 5.87713  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	0.81	NO	52.08	1.072	1.22e3	6.72e5	0.229	-8.4	0.727	MM
2	200601K1_2	1.00	0.84	NO	52.08	1.072	5.92e3	7.55e5	0.988	-1.2	0.784	bd
3	200601K1_3	2.50	0.85	NO	52.08	1.072	1.51e4	7.66e5	2.48	-0.9	0.787	bd
4	200601K1_4	50.0	0.91	NO	52.08	1.072	2.98e5	7.74e5	48.8	-2.9	0.771	bd
5	200601K1_5	400	0.89	NO	52.08	1.072	2.76e6	8.21e5	424	6.0	0.841	bd
6	200601K1_6	1000	0.89	NO	52.08	1.072	7.22e6	8.48e5	1070	7.5	0.853	bd

Compound name: PCB-199  
 Response Factor: 0.809242  
 RRF SD: 0.0640263, Relative SD: 7.91189  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	0.83	NO	52.21	1.075	1.18e3	6.72e5	0.216	-13.6	0.699	MM
2	200601K1_2	1.00	0.93	NO	52.19	1.074	6.27e3	7.55e5	1.03	2.7	0.831	db

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Compound name: PCB-199

Name	Std. Conc.	RA	RF	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	2.50	1.00	NO	52.21	1.074	1.51e4	7.86e5	2.43	-2.8	0.786	MM
200801K1_4	50.0	0.92	NO	52.21	1.074	3.10e5	7.74e5	49.5	-1.0	0.801	db
200801K1_5	400	0.89	NO	52.21	1.074	2.81e6	8.21e5	424	5.9	0.857	db
200801K1_6	1000	0.90	NO	52.21	1.074	7.45e6	8.46e5	1090	8.8	0.881	db

Compound name: PCB-198/203

Response Factor: 0.838202

RRF SD: 0.0715006, Relative SD: 8.53023

Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	RF	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.500	1.00	NO	52.50	1.081	2.91e3	6.72e5	0.518	3.1	0.884	bb
200801K1_2	2.00	0.93	NO	52.50	1.080	1.09e4	7.55e5	1.73	-13.8	0.724	bd
200801K1_3	5.00	0.94	NO	52.50	1.080	3.07e4	7.86e5	4.79	-4.3	0.802	MM
200801K1_4	100	0.90	NO	52.51	1.081	6.36e5	7.74e5	98.1	-1.9	0.822	bb
200801K1_5	800	0.91	NO	52.51	1.081	5.85e6	8.21e5	850	6.2	0.891	bb
200801K1_6	2000	0.91	NO	52.51	1.081	1.57e7	8.46e5	2210	10.4	0.926	bb

Compound name: PCB-195

Response Factor: 1.04444

RRF SD: 0.0883119, Relative SD: 8.45545

Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	RF	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	0.81	NO	53.79	0.983	1.54e3	6.54e5	0.225	-9.8	0.942	MM
200801K1_2	1.00	0.81	NO	53.79	0.983	6.86e3	6.72e5	0.948	-5.2	0.990	bb
200801K1_3	2.50	0.88	NO	53.79	0.983	1.83e4	7.55e5	2.32	-7.2	0.970	bb
200801K1_4	50.0	0.88	NO	53.81	0.984	3.74e5	6.85e5	52.4	4.7	1.09	bd
200801K1_5	400	0.89	NO	53.79	0.983	3.33e6	7.19e5	443	10.8	1.16	bd
200801K1_6	1000	0.90	NO	53.81	0.984	8.99e6	8.07e5	1070	6.6	1.11	bd

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Compound name: PCB-194  
 Response Factor: 1.11592  
 RRF SD: 0.0652125, Relative SD: 5.84384  
 Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	in/	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	0.76	NO	54.72	1.000	1.92e3	6.54e5	0.262	4.9	1.17	MM
200801K1_2	1.00	0.91	NO	54.72	1.000	7.03e3	6.72e5	0.937	-6.3	1.05	bb
200801K1_3	2.50	0.91	NO	54.72	1.000	1.84e4	7.55e5	2.30	-6.1	1.03	bb
200801K1_4	50.0	0.88	NO	54.72	1.000	3.84e5	6.85e5	50.2	0.5	1.12	bb
200801K1_5	400	0.88	NO	54.72	1.000	3.39e6	7.19e5	422	5.5	1.18	bb
200801K1_6	1000	0.89	NO	54.72	1.000	9.32e6	8.07e5	1040	3.5	1.16	bb

Compound name: PCB-205  
 Response Factor: 1.28935  
 RRF SD: 0.0752087, Relative SD: 5.83305  
 Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	in/	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.01	NO	54.99	1.005	1.97e3	6.54e5	0.233	-6.7	1.20	MM
200801K1_2	1.00	0.88	NO	54.99	1.005	8.47e3	8.72e5	0.977	-2.3	1.26	bb
200801K1_3	2.50	0.92	NO	54.99	1.005	2.29e4	7.55e5	2.35	-5.8	1.21	bb
200801K1_4	50.0	0.89	NO	54.99	1.005	4.55e5	6.85e5	51.5	3.1	1.33	bb
200801K1_5	400	0.87	NO	54.99	1.005	4.00e6	7.19e5	431	7.9	1.39	bb
200801K1_6	1000	0.88	NO	54.99	1.005	1.08e7	8.07e5	1040	3.9	1.34	bb

Compound name: PCB-208  
 Response Factor: 0.933088  
 RRF SD: 0.0782208, Relative SD: 8.383  
 Response type: Internal Std ( Ref 210 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	in/	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.28	NO	53.95	1.000	1.83e3	8.27e5	0.237	-5.3	0.884	bb
200801K1_2	1.00	1.34	NO	53.95	1.000	7.27e3	8.89e5	0.876	-12.4	0.818	bb

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Compound name: PCB-208

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.29	NO	53.95	1.000	2.17e4	9.56e5	2.43	-2.9	0.908	bb
200601K1_4	50.0	1.35	NO	53.95	1.000	4.38e5	9.09e5	51.6	3.3	0.964	bb
200601K1_5	400	1.35	NO	53.95	1.000	3.85e6	9.40e5	439	9.7	1.02	bb
200601K1_6	1000	1.34	NO	53.95	1.000	1.02e7	1.01e6	1060	7.6	1.00	bb

Compound name: PCB-207

Response Factor: 0.916302

RRF SD: 0.0559032, Relative SD: 6.10095

Response type: Internal Std ( Ref 210 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.18	NO	54.29	1.007	1.63e3	6.27e5	0.242	-3.3	0.666	bb
200601K1_2	1.00	1.36	NO	54.29	1.007	7.46e3	8.89e5	0.915	-6.5	0.639	bb
200601K1_3	2.50	1.29	NO	54.29	1.007	2.13e4	9.56e5	2.44	-2.5	0.893	bb
200601K1_4	50.0	1.35	NO	54.29	1.007	4.18e5	9.09e5	50.2	0.4	0.920	bb
200601K1_5	400	1.32	NO	54.29	1.007	3.69e6	9.40e5	428	7.0	0.981	bb
200601K1_6	1000	1.32	NO	54.29	1.007	9.93e6	1.01e6	1070	6.9	0.979	bb

Compound name: PCB-206

Response Factor: 1.00741

RRF SD: 0.0633496, Relative SD: 6.28838

Response type: Internal Std ( Ref 211 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.24	NO	56.24	1.000	1.17e3	4.63e5	0.240	-4.2	0.965	bb
200601K1_2	1.00	1.28	NO	56.25	1.000	4.56e3	4.90e5	0.928	-7.2	0.935	bd
200601K1_3	2.50	1.39	NO	56.25	1.000	1.33e4	5.49e5	2.40	-4.0	0.967	bb
200601K1_4	50.0	1.35	NO	56.25	1.000	2.55e5	5.03e5	50.4	0.7	1.01	dd
200601K1_5	400	1.33	NO	56.25	1.000	2.21e6	5.04e5	435	8.8	1.10	dd
200601K1_6	1000	1.34	NO	56.25	1.000	5.91e6	5.54e5	1060	5.9	1.07	bd

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Compound name: PCB-209  
 Response Factor: 0.986438  
 RRF SD: 0.0459049, Relative SD: 4.6536  
 Response type: Internal Std ( Ref 212 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200601K1_1	0.250	1.31	NO	57.48	1.000	8.49e2	3.85e5	0.236	-5.8	0.930	bb
200601K1_2	1.00	1.14	NO	57.49	1.000	3.51e3	3.67e5	0.970	-3.0	0.957	bb
200601K1_3	2.50	1.20	NO	57.49	1.000	9.28e3	3.88e5	2.42	-3.1	0.956	bb
200601K1_4	50.0	1.19	NO	57.49	1.000	1.78e5	3.55e5	50.8	1.8	1.00	bb
200601K1_5	400	1.18	NO	57.49	1.000	1.45e6	3.47e5	424	6.0	1.05	bb
200601K1_6	1000	1.18	NO	57.49	1.000	3.98e6	3.87e5	1040	4.2	1.03	bb

Compound name: 13C-PCB-1  
 Response Factor: 0.893492  
 RRF SD: 0.0183374, Relative SD: 2.05233  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200601K1_1	100	3.27	NO	15.51	0.608	2.37e6	2.62e6	101	1.1	0.903	bb
200601K1_2	100	3.24	NO	15.52	0.608	2.53e6	2.80e6	101	1.1	0.903	bb
200601K1_3	100	3.25	NO	15.53	0.609	2.46e6	2.85e6	98.8	-3.4	0.863	bb
200601K1_4	100	3.38	NO	15.53	0.609	2.44e6	2.67e6	102	2.2	0.914	bb
200601K1_5	100	3.20	NO	15.53	0.609	2.52e6	2.81e6	100	0.3	0.896	bb
200601K1_6	100	3.24	NO	15.53	0.609	2.44e6	2.77e6	98.7	-1.3	0.882	bb

Compound name: 13C-PCB-3  
 Response Factor: 0.910947  
 RRF SD: 0.0156258, Relative SD: 1.71533  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200601K1_1	100	3.25	NO	18.16	0.711	2.41e6	2.62e6	101	1.0	0.920	bb
200601K1_2	100	3.30	NO	18.16	0.711	2.58e6	2.80e6	101	1.3	0.923	bb

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Compound name: 13C-PCB-3

Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	100	3.32	NO	18.17	0.712	2.54e6	2.85e6	97.7	-2.3	0.890	bb
200801K1_4	100	3.19	NO	18.17	0.712	2.46e6	2.87e6	101	1.1	0.921	bb
200801K1_5	100	3.37	NO	18.17	0.712	2.58e6	2.81e6	101	1.1	0.921	bb
200801K1_6	100	3.32	NO	18.17	0.712	2.47e6	2.77e6	97.9	-2.1	0.892	bb

Compound name: 13C-PCB-4

Response Factor: 0.599965

RRF SD: 0.0112844, Relative SD: 1.87751

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.59	NO	19.51	0.765	1.57e6	2.62e6	99.7	-0.3	0.598	bb
200801K1_2	100	1.81	NO	19.52	0.765	1.72e6	2.80e6	102	2.1	0.613	bb
200801K1_3	100	1.80	NO	19.52	0.765	1.87e6	2.85e6	97.5	-2.5	0.585	bb
200801K1_4	100	1.80	NO	19.53	0.765	1.82e6	2.87e6	101	0.8	0.605	bb
200801K1_5	100	1.58	NO	19.52	0.765	1.72e6	2.81e6	102	1.7	0.610	bb
200801K1_6	100	1.58	NO	19.53	0.765	1.83e6	2.77e6	98.2	-1.8	0.589	bb

Compound name: 13C-PCB-9

Response Factor: 0.989602

RRF SD: 0.0158818, Relative SD: 1.63589

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.57	NO	21.33	0.836	2.57e6	2.62e6	101	1.2	0.981	bb
200801K1_2	100	1.57	NO	21.34	0.836	2.77e6	2.80e6	102	2.0	0.989	bb
200801K1_3	100	1.58	NO	21.35	0.836	2.71e6	2.85e6	98.0	-2.0	0.950	bb
200801K1_4	100	1.57	NO	21.35	0.836	2.81e6	2.87e6	101	0.6	0.975	bb
200801K1_5	100	1.58	NO	21.35	0.836	2.73e6	2.81e6	100	0.2	0.972	bb
200801K1_6	100	1.55	NO	21.35	0.836	2.83e6	2.77e6	98.1	-1.9	0.951	bb

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Compound name: 13C-PCB-11  
 Response Factor: 0.961529  
 RRF SD: 0.00722668, Relative SD: 0.751582  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	1.57	NO	24.76	0.971	2.53e6	2.62e6	100	0.5	0.966	bb
200601K1_2	100	1.57	NO	24.79	0.972	2.70e6	2.80e6	100	0.3	0.964	bb
200601K1_3	100	1.57	NO	24.80	0.972	2.71e6	2.85e6	98.9	-1.1	0.951	bb
200601K1_4	100	1.56	NO	24.80	0.972	2.56e6	2.87e6	99.5	-0.5	0.957	bb
200601K1_5	100	1.57	NO	24.80	0.972	2.70e6	2.81e6	99.8	-0.2	0.960	bb
200601K1_6	100	1.57	NO	24.60	0.972	2.69e6	2.77e6	101	1.0	0.971	bb

Compound name: 13C-PCB-19  
 Response Factor: 0.498883  
 RRF SD: 0.00572334, Relative SD: 1.14723  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	1.02	NO	23.75	0.931	1.32e6	2.62e6	101	0.8	0.503	bb
200601K1_2	100	1.03	NO	23.75	0.931	1.42e6	2.80e6	101	1.3	0.505	bb
200601K1_3	100	1.04	NO	23.76	0.931	1.39e6	2.85e6	98.1	-1.9	0.489	bb
200601K1_4	100	1.02	NO	23.76	0.931	1.33e6	2.67e6	99.5	-0.5	0.496	bb
200601K1_5	100	1.00	NO	23.76	0.931	1.40e6	2.81e6	99.8	-0.2	0.496	bb
200601K1_6	100	1.01	NO	23.76	0.931	1.39e6	2.77e6	101	0.5	0.501	bb

Compound name: 13C-PCB-32  
 Response Factor: 0.74412  
 RRF SD: 0.0231643, Relative SD: 3.11298  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	1.04	NO	26.74	1.048	1.93e6	2.62e6	99.1	-0.9	0.737	bb
200601K1_2	100	1.05	NO	26.75	1.048	2.07e6	2.80e6	99.5	-0.5	0.741	bb

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Compound name: 13C-PCB-32

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	100	1.02	NO	28.75	1.048	2.03e6	2.85e6	95.5	-4.5	0.710	bb
200601K1_4	100	1.03	NO	28.75	1.048	1.97e6	2.87e6	99.2	-0.8	0.739	bb
200601K1_5	100	1.04	NO	28.75	1.048	2.13e6	2.81e6	102	2.0	0.759	bb
200601K1_6	100	1.05	NO	28.75	1.048	2.18e6	2.77e6	105	4.7	0.779	bb

Compound name: 13C-PCB-28

Response Factor: 1.06428

RRF SD: 0.0550204, Relative SD: 5.16973

Response type: Internal Std ( Ref 214 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.03	NO	28.75	1.003	2.38e6	2.08e6	107	7.4	1.14	db
200601K1_2	100	1.04	NO	28.77	1.004	2.38e6	2.43e6	92.3	-7.7	0.983	db
200601K1_3	100	1.04	NO	28.77	1.004	2.33e6	2.26e6	97.0	-3.0	1.03	db
200601K1_4	100	1.04	NO	28.77	1.004	2.26e6	2.13e6	98.7	-0.3	1.06	db
200601K1_5	100	1.04	NO	28.77	1.004	2.40e6	2.24e6	100	0.4	1.07	db
200601K1_6	100	1.04	NO	28.77	1.004	2.39e6	2.18e6	103	3.2	1.10	db

Compound name: 13C-PCB-37

Response Factor: 0.989118

RRF SD: 0.0390859, Relative SD: 3.95159

Response type: Internal Std ( Ref 214 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.03	NO	32.75	1.143	2.11e6	2.08e6	102	2.5	1.01	bb
200601K1_2	100	1.02	NO	32.75	1.143	2.28e6	2.43e6	94.0	-8.0	0.930	bb
200601K1_3	100	1.05	NO	32.75	1.143	2.28e6	2.28e6	101	1.4	1.00	bb
200601K1_4	100	1.03	NO	32.75	1.143	2.09e6	2.13e6	99.2	-0.8	0.981	bb
200601K1_5	100	1.06	NO	32.75	1.143	2.17e6	2.24e6	97.8	-2.4	0.968	bb
200601K1_6	100	1.05	NO	32.77	1.143	2.27e6	2.18e6	105	5.3	1.04	bb



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**Compound name: 13C-PCB-54**

Response Factor: 0.99939

RRF SD: 0.0146278, Relative SD: 1.46368

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rtj	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.77	NO	27.60	0.752	1.88e6	1.87e6	101	0.8	1.01	bb
200801K1_2	100	0.78	NO	27.62	0.753	1.85e6	1.82e6	102	1.7	1.02	bb
200801K1_3	100	0.79	NO	27.62	0.753	1.80e6	1.81e6	99.5	-0.5	0.995	bb
200801K1_4	100	0.79	NO	27.62	0.753	1.75e6	1.74e6	101	0.8	1.01	bb
200801K1_5	100	0.77	NO	27.62	0.752	1.88e6	1.89e6	99.7	-0.3	0.998	bb
200801K1_6	100	0.79	NO	27.62	0.752	1.88e6	1.92e6	97.5	-2.5	0.974	bb

**Compound name: 13C-PCB-52**

Response Factor: 0.804222

RRF SD: 0.0127119, Relative SD: 1.58085

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rtj	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.78	NO	31.25	0.852	1.37e6	1.87e6	102	1.8	0.817	bd
200801K1_2	100	0.79	NO	31.26	0.852	1.50e6	1.82e6	102	2.3	0.823	bb
200801K1_3	100	0.81	NO	31.26	0.852	1.44e6	1.81e6	99.0	-1.0	0.796	bb
200801K1_4	100	0.79	NO	31.26	0.852	1.38e6	1.74e6	98.5	-1.5	0.792	bd
200801K1_5	100	0.77	NO	31.26	0.852	1.51e6	1.89e6	99.4	-0.6	0.799	bd
200801K1_6	100	0.77	NO	31.26	0.852	1.54e6	1.92e6	99.2	-0.8	0.796	bd

**Compound name: 13C-PCB-47**

Response Factor: 0.857338

RRF SD: 0.011554, Relative SD: 1.34766

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rtj	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.79	NO	31.77	0.866	1.44e6	1.87e6	100	0.3	0.860	bb
200801K1_2	100	0.78	NO	31.77	0.866	1.59e6	1.82e6	102	2.1	0.875	bb

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**Compound name: 13C-PCB-47**

Name	Std Conc	RA	Int	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	100	0.79	NO	31.78	0.867	1.53e6	1.81e6	98.3	-1.7	0.843	bb
200601K1_4	100	0.78	NO	31.78	0.867	1.49e6	1.74e6	100	-0.0	0.857	bb
200601K1_5	100	0.78	NO	31.78	0.866	1.60e6	1.89e6	98.7	-1.3	0.846	bb
200601K1_6	100	0.78	NO	31.78	0.866	1.66e6	1.92e6	101	0.5	0.862	bb

**Compound name: 13C-PCB-70**

Response Factor: 0.995775

RRF SD: 0.0166908, Relative SD: 1.67616

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Int	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	0.79	NO	35.40	0.965	1.70e6	1.67e6	102	2.3	1.02	bb
200601K1_2	100	0.79	NO	35.41	0.965	1.84e6	1.82e6	101	1.4	1.01	bb
200601K1_3	100	0.79	NO	35.41	0.965	1.79e6	1.81e6	99.4	-0.6	0.989	bb
200601K1_4	100	0.80	NO	35.41	0.965	1.73e6	1.74e6	100	0.1	0.997	bb
200601K1_5	100	0.79	NO	35.41	0.965	1.84e6	1.89e6	97.6	-2.4	0.972	bb
200601K1_6	100	0.79	NO	35.41	0.965	1.90e6	1.92e6	99.2	-0.8	0.988	bb

**Compound name: 13C-PCB-80**

Response Factor: 1.02819

RRF SD: 0.0132281, Relative SD: 1.28654

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Int	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	0.80	NO	35.84	0.977	1.75e6	1.67e6	102	1.8	1.05	bb
200601K1_2	100	0.79	NO	35.84	0.977	1.87e6	1.82e6	100	-0.0	1.03	bb
200601K1_3	100	0.79	NO	35.84	0.977	1.86e6	1.81e6	99.7	-0.3	1.03	bb
200601K1_4	100	0.79	NO	35.84	0.977	1.79e6	1.74e6	100	0.2	1.03	bb
200601K1_5	100	0.80	NO	35.84	0.977	1.90e6	1.89e6	97.8	-2.2	1.01	db
200601K1_6	100	0.77	NO	35.84	0.977	1.99e6	1.92e6	100	0.5	1.03	bb

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**Compound name: 13C-PCB-81**

Response Factor: 0.987991

RRF SD: 0.0137248, Relative SD: 1.38916

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
1	200801K1_1	100	0.79	NO	39.04	1.084	1.85e6	1.87e6	99.8	-0.2	0.986	bd
2	200801K1_2	100	0.79	NO	39.04	1.084	1.76e6	1.82e6	98.0	-2.0	0.988	bd
3	200801K1_3	100	0.79	NO	39.04	1.084	1.80e6	1.81e6	100	0.5	0.993	bd
4	200801K1_4	100	0.80	NO	39.04	1.084	1.70e6	1.74e6	99.2	-0.8	0.980	bb
5	200801K1_5	100	0.78	NO	39.04	1.084	1.86e6	1.89e6	101	0.6	0.994	bd
6	200801K1_6	100	0.78	NO	39.04	1.084	1.94e6	1.92e6	102	2.0	1.01	bd

**Compound name: 13C-PCB-77**

Response Factor: 0.988731

RRF SD: 0.0228063, Relative SD: 2.35425

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
1	200801K1_1	100	0.79	NO	39.66	1.081	1.59e6	1.67e6	98.5	-1.5	0.954	bb
2	200801K1_2	100	0.78	NO	39.66	1.081	1.71e6	1.82e6	97.0	-3.0	0.940	bb
3	200801K1_3	100	0.79	NO	39.66	1.081	1.75e6	1.81e6	99.7	-0.3	0.966	bb
4	200801K1_4	100	0.80	NO	39.66	1.081	1.69e6	1.74e6	101	0.6	0.975	bb
5	200801K1_5	100	0.81	NO	39.66	1.081	1.84e6	1.89e6	100	0.2	0.970	bb
6	200801K1_6	100	0.80	NO	39.66	1.081	1.94e6	1.92e6	104	4.0	1.01	bb

**Compound name: 13C-PCB-104**

Response Factor: 1.01645

RRF SD: 0.0338582, Relative SD: 3.33102

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
1	200801K1_1	100	1.58	NO	32.44	0.828	1.12e6	1.08e6	102	1.8	1.03	bb
2	200801K1_2	100	1.85	NO	32.46	0.827	1.26e6	1.18e6	105	4.9	1.07	bb

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Compound name: 13C-PCB-104

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	100	1.62	NO	32.46	0.827	1.20e6	1.17e6	100	0.4	1.02	bb
200601K1_4	100	1.59	NO	32.46	0.827	1.17e6	1.15e6	100	0.3	1.02	bb
200601K1_5	100	1.62	NO	32.46	0.827	1.28e6	1.31e6	96.3	-3.7	0.979	bb
200601K1_6	100	1.63	NO	32.46	0.827	1.28e6	1.31e6	96.3	-3.7	0.979	bb

Compound name: 13C-PCB-95

Response Factor: 0.805195

RRF SD: 0.0178744, Relative SD: 2.19504

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.86	NO	35.71	0.910	8.86e5	1.08e6	102	1.5	0.817	bb
200601K1_2	100	1.82	NO	35.71	0.910	9.83e5	1.18e6	101	1.5	0.817	bb
200601K1_3	100	1.81	NO	35.71	0.910	9.53e5	1.17e6	101	1.1	0.814	bb
200601K1_4	100	1.84	NO	35.73	0.910	9.36e5	1.15e6	101	0.8	0.812	bb
200601K1_5	100	1.81	NO	35.73	0.910	1.01e6	1.31e6	95.8	-4.2	0.772	bb
200601K1_6	100	1.80	NO	35.73	0.910	1.05e6	1.31e6	99.3	-0.7	0.799	bb

Compound name: 13C-PCB-101

Response Factor: 0.792577

RRF SD: 0.0148513, Relative SD: 1.84857

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.86	NO	37.46	0.955	8.56e5	1.08e6	99.8	-0.4	0.789	bb
200601K1_2	100	1.87	NO	37.46	0.955	9.56e5	1.18e6	102	2.5	0.812	bb
200601K1_3	100	1.81	NO	37.46	0.955	9.39e5	1.17e6	101	1.2	0.802	bb
200601K1_4	100	1.80	NO	37.46	0.955	9.13e5	1.15e6	100	-0.0	0.793	bb
200601K1_5	100	1.80	NO	37.46	0.955	1.01e6	1.31e6	97.0	-3.0	0.769	bb
200601K1_6	100	1.87	NO	37.46	0.955	1.04e6	1.31e6	99.7	-0.3	0.790	bb

Dataset: U:\WG11.PRO\Results\200601K1\200601K1-CRVB.qld

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Compound name: 13C-PCB-97  
 Response Factor: 0.696385  
 RRF SD: 0.00628075, Relative SD: 0.901907  
 Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	1.63	NO	38.80	0.989	7.55e5	1.08e6	100	0.0	0.697	bb
200601K1_2	100	1.64	NO	38.80	0.989	8.31e5	1.18e6	101	1.2	0.705	bb
200601K1_3	100	1.63	NO	38.80	0.989	8.21e5	1.17e6	101	0.7	0.701	bb
200601K1_4	100	1.64	NO	38.80	0.989	7.95e5	1.15e6	99.0	-1.0	0.690	bb
200601K1_5	100	1.61	NO	38.80	0.989	9.02e5	1.31e6	99.0	-1.0	0.689	bb
200601K1_6	100	1.61	NO	38.80	0.989	9.13e5	1.31e6	100	0.0	0.698	bb

Compound name: 13C-PCB-123  
 Response Factor: 0.932868  
 RRF SD: 0.0173754, Relative SD: 1.86258  
 Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	1.82	NO	41.44	1.056	1.02e6	1.08e6	101	0.6	0.939	bd
200601K1_2	100	1.81	NO	41.44	1.056	1.11e6	1.18e6	101	0.5	0.938	bd
200601K1_3	100	1.84	NO	41.44	1.056	1.12e6	1.17e6	102	2.1	0.953	bd
200601K1_4	100	1.82	NO	41.48	1.056	1.07e6	1.15e6	99.3	-0.7	0.928	bd
200601K1_5	100	1.82	NO	41.48	1.056	1.18e6	1.31e6	96.7	-3.3	0.902	bd
200601K1_6	100	1.81	NO	41.48	1.056	1.23e6	1.31e6	101	0.7	0.939	bd

Compound name: 13C-PCB-118  
 Response Factor: 0.985592  
 RRF SD: 0.0134189, Relative SD: 1.3815  
 Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	1.64	NO	41.63	1.061	1.07e6	1.08e6	100	0.4	0.990	db
200601K1_2	100	1.62	NO	41.63	1.061	1.17e6	1.18e6	100	0.3	0.988	db

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Compound name: 13C-PCB-118

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X=dropped
200801K1_3	100	1.88	NO	41.85	1.081	1.16e6	1.17e6	100	0.3	0.989	db
200801K1_4	100	1.84	NO	41.85	1.081	1.12e6	1.15e6	98.8	-1.2	0.974	db
200801K1_5	100	1.83	NO	41.85	1.081	1.27e6	1.31e6	98.2	-1.8	0.987	db
200801K1_6	100	1.58	NO	41.85	1.081	1.32e6	1.31e6	102	2.0	1.01	db

Compound name: 13C-PCB-114

Response Factor: 1.54868

RRF SD: 0.0375936, Relative SD: 2.4308

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X=dropped
200801K1_1	100	1.58	NO	42.30	0.908	1.38e6	8.47e5	104	4.0	1.81	bb
200801K1_2	100	1.55	NO	42.30	0.908	1.45e6	9.25e5	102	1.8	1.57	bb
200801K1_3	100	1.56	NO	42.32	0.908	1.47e6	9.70e5	97.9	-2.1	1.51	bb
200801K1_4	100	1.58	NO	42.32	0.908	1.41e6	9.28e5	98.2	-1.8	1.52	bb
200801K1_5	100	1.59	NO	42.32	0.908	1.52e6	1.00e6	98.3	-1.7	1.52	bb
200801K1_6	100	1.58	NO	42.32	0.908	1.58e6	1.02e6	100	0.0	1.55	bb

Compound name: 13C-PCB-105

Response Factor: 1.57244

RRF SD: 0.0487805, Relative SD: 3.10222

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X=dropped
200801K1_1	100	1.58	NO	43.19	0.927	1.40e6	8.47e5	105	5.1	1.85	dd
200801K1_2	100	1.55	NO	43.19	0.927	1.47e6	9.25e5	101	1.1	1.59	bd
200801K1_3	100	1.59	NO	43.21	0.927	1.49e6	9.70e5	98.0	-2.0	1.54	bd
200801K1_4	100	1.59	NO	43.21	0.927	1.42e6	9.28e5	97.4	-2.8	1.53	bb
200801K1_5	100	1.57	NO	43.21	0.927	1.53e6	1.00e6	97.2	-2.8	1.53	bd
200801K1_6	100	1.57	NO	43.21	0.927	1.62e6	1.02e6	101	1.2	1.59	dd

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

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**Compound name: 13C-PCB-127**

Response Factor: 1.82478

RRF SD: 0.0481809, Relative SD: 2.96539

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	1.56	NO	43.55	0.935	1.45e6	8.47e5	105	5.2	1.71	db
200801K1_2	100	1.57	NO	43.55	0.935	1.51e6	9.25e5	100	0.3	1.83	db
200801K1_3	100	1.57	NO	43.55	0.935	1.59e6	9.70e5	101	0.8	1.84	db
200801K1_4	100	1.56	NO	43.55	0.934	1.47e6	9.28e5	97.5	-2.5	1.58	bb
200801K1_5	100	1.56	NO	43.55	0.934	1.58e6	1.00e6	97.0	-3.0	1.58	db
200801K1_6	100	1.56	NO	43.55	0.934	1.64e6	1.02e6	99.2	-0.8	1.81	db

**Compound name: 13C-PCB-126**

Response Factor: 1.56796

RRF SD: 0.0317856, Relative SD: 2.02719

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	1.55	NO	45.51	0.978	1.33e6	8.47e5	100	0.0	1.57	bb
200801K1_2	100	1.56	NO	45.51	0.978	1.49e6	9.25e5	103	2.8	1.81	bb
200801K1_3	100	1.59	NO	45.51	0.978	1.54e6	9.70e5	101	1.0	1.58	bb
200801K1_4	100	1.54	NO	45.52	0.978	1.45e6	9.28e5	100	0.1	1.57	bb
200801K1_5	100	1.57	NO	45.51	0.978	1.51e6	1.00e6	96.4	-3.8	1.51	bb
200801K1_6	100	1.56	NO	45.52	0.978	1.80e6	1.02e6	99.8	-0.2	1.56	bb

**Compound name: 13C-PCB-155**

Response Factor: 0.614596

RRF SD: 0.0119449, Relative SD: 1.94354

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	1.28	NO	36.98	0.942	6.57e5	1.08e6	98.8	-1.4	0.606	bb
200801K1_2	100	1.28	NO	36.98	0.942	7.35e5	1.18e6	101	1.4	0.623	bb

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Compound name: 13C-PCB-155

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	100	1.32	NO	36.99	0.943	7.36e5	1.17e6	102	2.3	0.629	bb
200601K1_4	100	1.28	NO	36.99	0.943	7.19e5	1.15e6	102	1.5	0.624	bb
200601K1_5	100	1.35	NO	36.99	0.943	7.68e5	1.31e6	97.8	-2.2	0.601	bb
200601K1_6	100	1.32	NO	36.99	0.943	7.92e5	1.31e6	98.3	-1.7	0.604	bb

Compound name: 13C-PCB-153

Response Factor: 1.36484

RRF SD: 0.0310875, Relative SD: 2.27774

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.26	NO	43.36	0.930	1.21e6	8.47e5	104	4.5	1.43	bb
200601K1_2	100	1.25	NO	43.36	0.930	1.26e6	9.25e5	100	0.1	1.37	bb
200601K1_3	100	1.24	NO	43.36	0.930	1.30e6	9.70e5	98.2	-1.8	1.34	bb
200601K1_4	100	1.28	NO	43.36	0.930	1.25e6	9.26e5	99.1	-0.9	1.35	bb
200601K1_5	100	1.25	NO	43.36	0.930	1.35e6	1.00e6	98.8	-1.2	1.35	bb
200601K1_6	100	1.28	NO	43.36	0.930	1.38e6	1.02e6	99.4	-0.6	1.36	bb

Compound name: 13C-PCB-141

Response Factor: 1.12787

RRF SD: 0.0175764, Relative SD: 1.55838

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.28	NO	44.12	0.947	9.74e5	8.47e5	102	1.9	1.15	bb
200601K1_2	100	1.28	NO	44.14	0.947	1.06e6	9.25e5	101	1.4	1.14	bb
200601K1_3	100	1.30	NO	44.14	0.947	1.10e6	9.70e5	100	0.4	1.13	bb
200601K1_4	100	1.28	NO	44.14	0.947	1.03e6	9.26e5	99.1	-0.9	1.12	bb
200601K1_5	100	1.26	NO	44.14	0.947	1.12e6	1.00e6	99.4	-0.6	1.12	bb
200601K1_6	100	1.26	NO	44.14	0.947	1.12e6	1.02e6	97.7	-2.3	1.10	bb



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Compound name: 13C-PCB-138  
 Response Factor: 1.18475  
 RRF SD: 0.015047, Relative SD: 1.27006  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.29	NO	44.99	0.965	1.00e6	8.47e5	99.7	-0.3	1.18	bb
200801K1_2	100	1.29	NO	44.99	0.965	1.11e6	9.25e5	101	1.0	1.20	bb
200801K1_3	100	1.29	NO	45.01	0.966	1.16e6	9.70e5	101	0.6	1.19	bb
200801K1_4	100	1.29	NO	45.01	0.965	1.07e6	9.28e5	97.9	-2.1	1.16	bb
200801K1_5	100	1.28	NO	45.01	0.965	1.18e6	1.00e6	99.5	-0.5	1.18	bb
200801K1_6	100	1.27	NO	45.01	0.985	1.22e6	1.02e6	101	1.3	1.20	bb

Compound name: 13C-PCB-159  
 Response Factor: 1.43942  
 RRF SD: 0.0195746, Relative SD: 1.3599  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.28	NO	46.32	0.994	1.22e6	8.47e5	99.7	-0.3	1.44	bb
200801K1_2	100	1.28	NO	46.32	0.994	1.34e6	9.25e5	100	0.4	1.44	bd
200801K1_3	100	1.27	NO	46.32	0.994	1.38e6	9.70e5	99.0	-1.0	1.43	bd
200801K1_4	100	1.28	NO	46.34	0.994	1.33e6	9.28e5	99.7	-0.3	1.43	bd
200801K1_5	100	1.28	NO	46.34	0.994	1.42e6	1.00e6	98.7	-1.3	1.42	bd
200801K1_6	100	1.28	NO	46.34	0.994	1.51e6	1.02e6	103	2.5	1.48	bd

Compound name: 13C-PCB-167  
 Response Factor: 1.44018  
 RRF SD: 0.0216462, Relative SD: 1.50303  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.28	NO	47.02	1.009	1.22e6	8.47e5	99.8	-0.4	1.43	bb
200801K1_2	100	1.28	NO	47.02	1.009	1.33e6	9.25e5	99.8	-0.4	1.43	bb

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Compound name: 13C-PCB-167

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	100	1.27	NO	47.04	1.009	1.39e6	9.70e5	99.8	-0.2	1.44	bb
200601K1_4	100	1.27	NO	47.04	1.009	1.36e6	9.26e5	102	1.9	1.47	bb
200601K1_5	100	1.25	NO	47.04	1.009	1.41e6	1.00e6	97.7	-2.3	1.41	bb
200601K1_6	100	1.26	NO	47.04	1.009	1.49e6	1.02e6	101	1.5	1.46	bb

Compound name: 13C-PCB-156

Response Factor: 1.39893

RRF SD: 0.0275437, Relative SD: 1.97173

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.28	NO	48.37	1.038	1.16e6	8.47e5	99.8	-0.2	1.39	bb
200601K1_2	100	1.27	NO	48.37	1.038	1.26e6	9.25e5	97.8	-2.2	1.37	bb
200601K1_3	100	1.28	NO	48.37	1.038	1.35e6	9.70e5	99.5	-0.5	1.39	bb
200601K1_4	100	1.26	NO	48.37	1.037	1.31e6	9.26e5	102	1.7	1.42	bb
200601K1_5	100	1.26	NO	48.37	1.037	1.37e6	1.00e6	98.3	-1.7	1.37	bb
200601K1_6	100	1.27	NO	48.37	1.037	1.47e6	1.02e6	103	2.9	1.44	bb

Compound name: 13C-PCB-157

Response Factor: 1.39899

RRF SD: 0.0376485, Relative SD: 2.69497

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.27	NO	48.63	1.043	1.19e6	8.47e5	100	0.2	1.40	bb
200601K1_2	100	1.28	NO	48.63	1.043	1.24e6	9.25e5	95.9	-4.1	1.34	bb
200601K1_3	100	1.28	NO	48.65	1.044	1.36e6	9.70e5	100	0.3	1.40	bb
200601K1_4	100	1.26	NO	48.65	1.043	1.31e6	9.26e5	102	1.6	1.42	bb
200601K1_5	100	1.27	NO	48.65	1.043	1.37e6	1.00e6	98.3	-1.7	1.37	bb
200601K1_6	100	1.26	NO	48.65	1.043	1.46e6	1.02e6	104	3.7	1.45	bb

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Compound name: 13C-PCB-189  
 Response Factor: 1.33116  
 RRF SD: 0.042515, Relative SD: 3.19384  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Ext. Conc.	RA	Qty	RT	RRF	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	1.26	NO	50.90	1.092	1.12e6	8.47e5	99.2	-0.8	1.32	bb
200801K1_2	100	1.26	NO	50.90	1.092	1.19e6	9.25e5	96.3	-3.7	1.28	bb
200801K1_3	100	1.26	NO	50.90	1.092	1.33e6	9.70e5	103	3.1	1.37	bb
200801K1_4	100	1.26	NO	50.90	1.092	1.22e6	9.29e5	99.1	-0.9	1.32	bb
200801K1_5	100	1.25	NO	50.90	1.092	1.30e6	1.00e6	97.7	-2.3	1.30	bb
200801K1_6	100	1.27	NO	50.92	1.092	1.42e6	1.02e6	105	4.8	1.39	bb

Compound name: 13C-PCB-188  
 Response Factor: 1.40951  
 RRF SD: 0.0117086, Relative SD: 0.83069  
 Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Ext. Conc.	RA	Qty	RT	RRF	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	0.45	NO	42.99	0.928	9.28e5	6.80e5	99.8	-0.2	1.41	bb
200801K1_2	100	0.45	NO	42.99	0.928	1.02e6	7.21e5	100	-0.0	1.41	bb
200801K1_3	100	0.46	NO	42.99	0.928	1.03e6	7.29e5	101	0.7	1.42	bb
200801K1_4	100	0.46	NO	43.00	0.928	1.01e6	7.30e5	98.5	-1.5	1.39	bb
200801K1_5	100	0.46	NO	43.00	0.928	1.13e6	8.04e5	100	0.1	1.41	bb
200801K1_6	100	0.45	NO	43.00	0.928	1.18e6	8.32e5	101	0.9	1.42	bb

Compound name: 13C-PCB-180  
 Response Factor: 0.928881  
 RRF SD: 0.0198492, Relative SD: 2.11536  
 Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Ext. Conc.	RA	Qty	RT	RRF	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	0.46	NO	49.69	1.070	6.18e5	6.80e5	101	0.5	0.934	bd
200801K1_2	100	0.44	NO	49.69	1.070	6.54e5	7.21e5	97.6	-2.4	0.907	bd

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Compound name: 13C-PCB-180

Name	Std. Conc.	RA	Hy	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X-dropped
200801K1_3	100	0.46	NO	49.69	1.070	7.01e5	7.29e5	103	3.4	0.961	bd
200801K1_4	100	0.46	NO	49.69	1.070	6.87e5	7.30e5	98.4	-1.6	0.914	bb
200801K1_5	100	0.45	NO	49.69	1.070	7.40e5	8.04e5	99.1	-0.9	0.920	bb
200801K1_6	100	0.45	NO	49.69	1.070	7.81e5	8.32e5	101	1.1	0.939	bb

Compound name: 13C-PCB-170

Response Factor: 0.794323

RRF SD: 0.024833, Relative SD: 3.12632

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Hy	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X-dropped
200801K1_1	100	0.45	NO	51.36	1.106	5.21e5	6.60e5	99.4	-0.6	0.789	bb
200801K1_2	100	0.44	NO	51.36	1.106	5.75e5	7.21e5	100	0.4	0.798	bb
200801K1_3	100	0.45	NO	51.36	1.106	6.11e5	7.29e5	105	5.4	0.837	bb
200801K1_4	100	0.46	NO	51.36	1.106	5.78e5	7.30e5	99.8	-0.2	0.793	bb
200801K1_5	100	0.46	NO	51.36	1.106	6.11e5	8.04e5	95.7	-4.3	0.760	bb
200801K1_6	100	0.46	NO	51.36	1.106	6.57e5	8.32e5	99.3	-0.7	0.789	bb

Compound name: 13C-PCB-189

Response Factor: 1.04459

RRF SD: 0.0359944, Relative SD: 3.44577

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Hy	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X-dropped
200801K1_1	100	0.46	NO	53.08	1.143	6.87e5	6.60e5	99.6	-0.4	1.04	bb
200801K1_2	100	0.46	NO	53.08	1.143	7.42e5	7.21e5	98.5	-1.5	1.03	bb
200801K1_3	100	0.46	NO	53.08	1.143	8.11e5	7.29e5	108	6.4	1.11	bb
200801K1_4	100	0.46	NO	53.08	1.143	7.81e5	7.30e5	99.8	-0.2	1.04	bb
200801K1_5	100	0.46	NO	53.08	1.143	8.07e5	8.04e5	98.1	-3.9	1.00	bb
200801K1_6	100	0.47	NO	53.08	1.143	8.85e5	8.32e5	99.6	-0.4	1.04	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

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Compound name: 13C-PCB-202

Response Factor: 1.03576

RRF SD: 0.0193089, Relative SD: 1.86423

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Hy	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	0.94	NO	48.57	1.048	6.72e5	6.60e5	98.4	-1.6	1.02	bb
200601K1_2	100	0.93	NO	48.59	1.048	7.55e5	7.21e5	101	1.1	1.05	bb
200601K1_3	100	0.93	NO	48.59	1.048	7.66e5	7.29e5	101	1.4	1.05	bb
200601K1_4	100	0.91	NO	48.59	1.048	7.74e5	7.30e5	102	2.4	1.06	bb
200601K1_5	100	0.93	NO	48.59	1.048	8.21e5	8.04e5	98.5	-1.5	1.02	bb
200601K1_6	100	0.91	NO	48.59	1.048	8.48e5	8.32e5	98.2	-1.6	1.02	bb

Compound name: 13C-PCB-184

Response Factor: 0.768019

RRF SD: 0.0144259, Relative SD: 1.87833

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Hy	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	0.88	NO	54.70	0.995	6.54e5	6.59e5	99.2	-0.8	0.762	bb
200601K1_2	100	0.90	NO	54.70	0.995	6.72e5	6.91e5	98.2	-1.8	0.754	bb
200601K1_3	100	0.89	NO	54.70	0.995	7.55e5	9.85e5	99.9	-0.1	0.767	bb
200601K1_4	100	0.89	NO	54.70	0.995	6.85e5	6.96e5	99.3	-0.7	0.763	bb
200601K1_5	100	0.90	NO	54.70	0.995	7.19e5	9.37e5	99.9	-0.1	0.787	bb
200601K1_6	100	0.90	NO	54.70	0.995	8.07e5	1.01e6	104	3.6	0.796	bb

Compound name: 13C-PCB-208

Response Factor: 0.990772

RRF SD: 0.01981, Relative SD: 1.97926

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Hy	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	0.79	NO	53.94	0.981	8.27e5	8.59e5	97.1	-2.9	0.962	bb
200601K1_2	100	0.77	NO	53.94	0.981	8.89e5	8.91e5	101	0.7	0.998	bb

Dataset: U:\VG11.PROVResults\200601K1\200601K1-CRVB.qld

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Compound name: 13C-PCB-208

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	100	0.79	NO	53.94	0.981	9.56e5	9.85e5	96.0	-2.0	0.971	bb
200601K1_4	100	0.79	NO	53.94	0.981	9.09e5	8.98e5	102	2.1	1.01	bb
200601K1_5	100	0.78	NO	53.94	0.981	9.40e5	9.37e5	101	1.2	1.00	bb
200601K1_6	100	0.78	NO	53.94	0.981	1.01e6	1.01e6	101	0.9	0.999	bb

Compound name: 13C-PCB-206

Response Factor: 0.552205

RRF SD: 0.00935022, Relative SD: 1.69325

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	0.78	NO	56.24	1.023	4.83e5	8.59e5	102	1.8	0.562	dd
200601K1_2	100	0.81	NO	56.24	1.023	4.90e5	8.91e5	99.5	-0.5	0.550	dd
200601K1_3	100	0.78	NO	56.24	1.023	5.49e5	9.85e5	101	1.0	0.558	bb
200601K1_4	100	0.80	NO	56.24	1.023	5.03e5	8.98e5	101	1.4	0.560	dd
200601K1_5	100	0.78	NO	56.24	1.023	5.04e5	9.37e5	97.4	-2.8	0.538	bd
200601K1_6	100	0.78	NO	56.24	1.023	5.54e5	1.01e6	99.0	-1.0	0.547	db

Compound name: 13C-PCB-209

Response Factor: 0.396384

RRF SD: 0.0196712, Relative SD: 4.96267

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	1.23	NO	57.48	1.046	3.65e5	8.59e5	107	7.2	0.425	bb
200601K1_2	100	1.16	NO	57.48	1.046	3.67e5	8.91e5	104	3.8	0.411	bb
200601K1_3	100	1.18	NO	57.48	1.046	3.88e5	9.85e5	99.5	-0.5	0.394	bb
200601K1_4	100	1.18	NO	57.48	1.046	3.55e5	8.98e5	99.8	-0.2	0.396	bb
200601K1_5	100	1.19	NO	57.48	1.046	3.47e5	9.37e5	93.4	-6.6	0.370	bb
200601K1_6	100	1.19	NO	57.48	1.046	3.87e5	1.01e6	98.3	-3.7	0.382	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

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**Compound name: 13C-PCB-15**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	1.56	NO	25.52	0.000	2.62e6	2.62e6	100	0.0	1.00	bb
200601K1_2	100	1.57	NO	25.51	0.000	2.80e6	2.80e6	100	0.0	1.00	bb
200601K1_3	100	1.58	NO	25.53	0.000	2.85e6	2.85e6	100	0.0	1.00	bb
200601K1_4	100	1.56	NO	25.53	0.000	2.67e6	2.67e6	100	0.0	1.00	bb
200601K1_5	100	1.57	NO	25.53	0.000	2.81e6	2.81e6	100	0.0	1.00	bb
200601K1_6	100	1.56	NO	25.53	0.000	2.77e6	2.77e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-31**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 214 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	1.03	NO	28.66	0.000	2.08e6	2.08e6	100	0.0	1.00	bd
200601K1_2	100	1.04	NO	28.66	0.000	2.43e6	2.43e6	100	0.0	1.00	bd
200601K1_3	100	1.04	NO	28.66	0.000	2.26e6	2.26e6	100	0.0	1.00	bd
200601K1_4	100	1.05	NO	28.66	0.000	2.13e6	2.13e6	100	0.0	1.00	bd
200601K1_5	100	1.03	NO	28.66	0.000	2.24e6	2.24e6	100	0.0	1.00	bd
200601K1_6	100	1.04	NO	28.66	0.000	2.18e6	2.18e6	100	0.0	1.00	bd

**Compound name: 13C-PCB-60**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	0.78	NO	36.66	0.000	1.67e6	1.67e6	100	0.0	1.00	bb
200601K1_2	100	0.80	NO	36.66	0.000	1.82e6	1.82e6	100	0.0	1.00	bb

Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

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Compound name: 13C-PCB-80

Name	Std Conc	RA	ry	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_3	100	0.78	NO	36.68	0.000	1.81e6	1.81e6	100	0.0	1.00	bb
200801K1_4	100	0.79	NO	36.68	0.000	1.74e6	1.74e6	100	0.0	1.00	bb
200801K1_5	100	0.78	NO	36.70	0.000	1.89e6	1.89e6	100	0.0	1.00	bb
200801K1_6	100	0.78	NO	36.70	0.000	1.92e6	1.92e6	100	0.0	1.00	bb

Compound name: 13C-PCB-111

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	ry	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	100	1.62	NO	39.25	0.000	1.08e6	1.08e6	100	0.0	1.00	bb
200801K1_2	100	1.62	NO	39.25	0.000	1.18e6	1.18e6	100	0.0	1.00	bb
200801K1_3	100	1.62	NO	39.25	0.000	1.17e6	1.17e6	100	0.0	1.00	db
200801K1_4	100	1.60	NO	39.25	0.000	1.15e6	1.15e6	100	0.0	1.00	bb
200801K1_5	100	1.62	NO	39.25	0.000	1.31e6	1.31e6	100	0.0	1.00	bb
200801K1_6	100	1.63	NO	39.25	0.000	1.31e6	1.31e6	100	0.0	1.00	bb

Compound name: 13C-PCB-128

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	ry	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	100	1.28	NO	46.60	0.000	8.47e5	8.47e5	100	0.0	1.00	bb
200801K1_2	100	1.27	NO	46.60	0.000	9.25e5	9.25e5	100	0.0	1.00	db
200801K1_3	100	1.25	NO	46.60	0.000	9.70e5	9.70e5	100	0.0	1.00	db
200801K1_4	100	1.26	NO	46.62	0.000	9.26e5	9.26e5	100	0.0	1.00	db
200801K1_5	100	1.26	NO	46.62	0.000	1.00e6	1.00e6	100	0.0	1.00	db
200801K1_6	100	1.27	NO	46.62	0.000	1.02e6	1.02e6	100	0.0	1.00	db



Dataset: U:\VG11.PRO\Results\200801K1\200801K1-CRVB.qld

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**Compound name: 13C-PCB-182**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.46	NO	46.43	0.000	6.60e5	6.60e5	100	0.0	1.00	bb
200801K1_2	100	0.44	NO	46.43	0.000	7.21e5	7.21e5	100	0.0	1.00	bb
200801K1_3	100	0.46	NO	46.43	0.000	7.29e5	7.29e5	100	0.0	1.00	bb
200801K1_4	100	0.45	NO	46.43	0.000	7.30e5	7.30e5	100	0.0	1.00	bb
200801K1_5	100	0.45	NO	46.43	0.000	8.04e5	8.04e5	100	0.0	1.00	bb
200801K1_6	100	0.45	NO	46.43	0.000	8.32e5	8.32e5	100	0.0	1.00	bb

**Compound name: 13C-PCB-205**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.90	NO	54.98	0.000	8.59e5	8.59e5	100	0.0	1.00	bb
200801K1_2	100	0.89	NO	54.98	0.000	8.91e5	8.91e5	100	0.0	1.00	bb
200801K1_3	100	0.90	NO	54.98	0.000	9.85e5	9.85e5	100	0.0	1.00	bb
200801K1_4	100	0.90	NO	54.98	0.000	8.98e5	8.98e5	100	0.0	1.00	bb
200801K1_5	100	0.90	NO	54.98	0.000	9.37e5	9.37e5	100	0.0	1.00	bb
200801K1_6	100	0.92	NO	54.98	0.000	1.01e6	1.01e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-79**

Response Factor: 1.06893

RRF SD: 0.0167842, Relative SD: 1.57019

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.79	NO	37.78	1.030	1.83e6	1.67e6	102	2.2	1.09	bb
200801K1_2	100	0.80	NO	37.78	1.030	1.92e6	1.82e6	96.7	-1.3	1.06	bb

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-CRVB.qld

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Compound name: 13C-PCB-79

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200601K1_3	100	0.79	NO	37.78	1.030	1.93e6	1.81e6	99.5	-0.5	1.06	bb
200601K1_4	100	0.77	NO	37.78	1.030	1.87e6	1.74e6	101	0.5	1.07	bb
200601K1_5	100	0.79	NO	37.78	1.029	1.98e6	1.89e6	98.0	-2.0	1.05	bb
200601K1_6	100	0.79	NO	37.78	1.029	2.08e6	1.92e6	101	1.0	1.08	bb

Compound name: 13C-PCB-178

Response Factor: 0.768471

RRF SD: 0.0163291, Relative SD: 2.13043

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200601K1_1	100	0.46	NO	45.87	0.988	8.59e5	8.47e5	101	1.5	0.778	bb
200601K1_2	100	0.45	NO	45.87	0.988	7.18e5	9.25e5	101	1.0	0.774	bb
200601K1_3	100	0.44	NO	45.88	0.988	7.23e5	9.70e5	97.2	-2.8	0.745	bb
200601K1_4	100	0.46	NO	45.88	0.988	7.30e5	9.26e5	103	2.9	0.788	bb
200601K1_5	100	0.44	NO	45.88	0.988	7.54e5	1.00e6	98.3	-1.7	0.754	bb
200601K1_6	100	0.45	NO	45.88	0.988	7.75e5	1.02e6	99.1	-0.9	0.759	bb

Compound name: 13C-PCB-79

Response Factor: 1.06893

RRF SD: 0.0167842, Relative SD: 1.57019

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200601K1_1	100	0.79	NO	37.78	0.988	1.83e6	1.65e6	102	2.5	1.11	bb
200601K1_2	100	0.80	NO	37.78	0.988	1.92e6	1.76e6	101	0.8	1.09	bb
200601K1_3	100	0.79	NO	37.78	0.988	1.93e6	1.80e6	99.0	-1.0	1.07	bb
200601K1_4	100	0.77	NO	37.78	0.988	1.87e6	1.70e6	101	1.4	1.10	bb
200601K1_5	100	0.79	NO	37.78	0.988	1.98e6	1.88e6	97.4	-2.6	1.05	bb
200601K1_6	100	0.79	NO	37.78	0.988	2.08e6	1.94e6	99.0	-1.0	1.07	bb

Dataset: U:\VG11.PROVResults\200801K1\200801K1-CRVB.qld

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Compound name: 13C-PCB-178

Response Factor: 0.786471

RRF SD: 0.0163291, Relative SD: 2.13043

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Int. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	0.48	NO	45.87	0.923	6.59e5	6.16e5	102	1.8	1.07	bb
200801K1_2	100	0.45	NO	45.87	0.923	7.16e5	6.54e5	104	4.2	1.10	bb
200801K1_3	100	0.44	NO	45.88	0.923	7.23e5	7.01e5	98.2	-1.8	1.03	bb
200801K1_4	100	0.48	NO	45.88	0.923	7.30e5	6.67e5	104	4.2	1.10	bb
200801K1_5	100	0.44	NO	45.88	0.923	7.55e5	7.40e5	97.2	-2.8	1.02	bb
200801K1_6	100	0.45	NO	45.88	0.923	7.75e5	7.81e5	94.4	-5.8	0.992	bb

Dataset: Untitled

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Printed: Tuesday, June 02, 2020 10:33:52 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_6-1-20.mdb 02 Jun 2020 10:36:07

Calibration: U:\VG11.PRO\CurveDB\cb1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

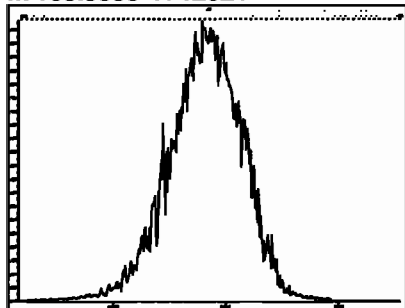
Compound name: PCB-1

Name	ID	Acq Date	Acq Time
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200601K1_3	ST200601K1-3 PCB 209 CS2 19G2808	01-Jun-20	14:19:00
200601K1_4	ST200601K1-4 PCB 209 CS3 19G2809	01-Jun-20	15:19:46
200601K1_5	ST200601K1-5 PCB 209 CS4 19G2810	01-Jun-20	16:20:32
200601K1_8	ST200601K1-6 PCB 209 CS5 19G2811	01-Jun-20	17:21:13
200601K1_7	SS200601K1-1 PCB 209 SS 19G2812	01-Jun-20	18:21:53
200601K1_8	B0E0091-BS2 OPR 1	01-Jun-20	19:22:39
200601K1_9	B0D0045-BS4 OPR 1	01-Jun-20	20:23:05
200601K1_10	B0D0029-BS2 OPR 10	01-Jun-20	21:22:15
200601K1_11	B0D0029-BS3 OPR 10	01-Jun-20	22:24:28
200601K1_12	B0D0028-BS2 OPR 10	01-Jun-20	23:24:52
200601K1_13	B0D0028-BS3 OPR 10	02-Jun-20	00:24:00
200601K1_14	B0E0089-BS1 OPR 1	02-Jun-20	01:28:11

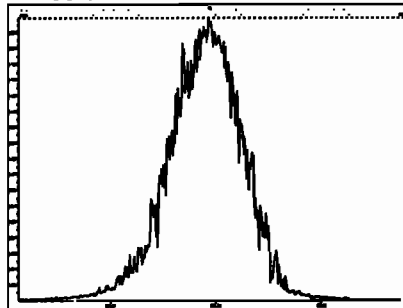
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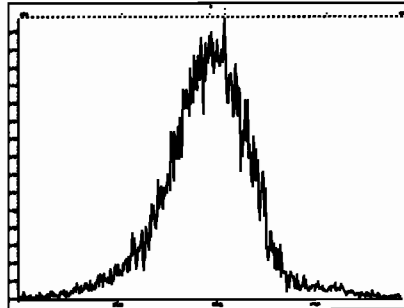
M 168.9888 R 12021



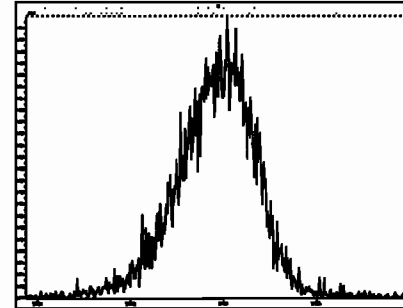
M 180.9888 R 11414



M 192.9888 R 10041

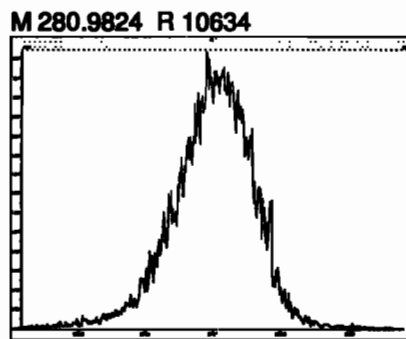
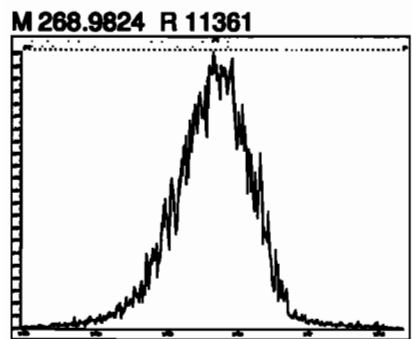
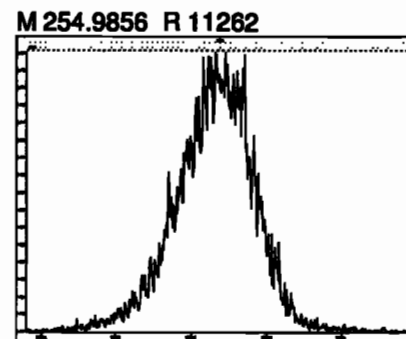
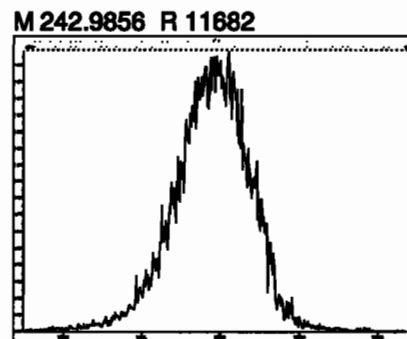
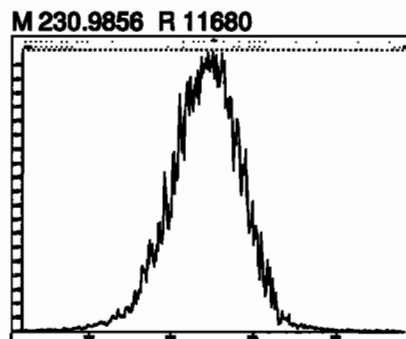
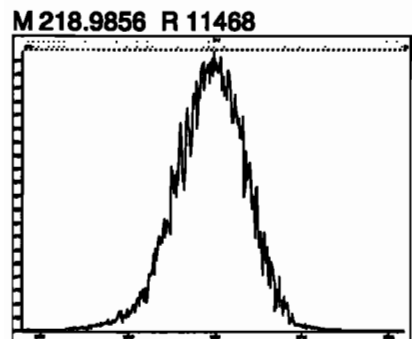


M 204.9888 R 12498



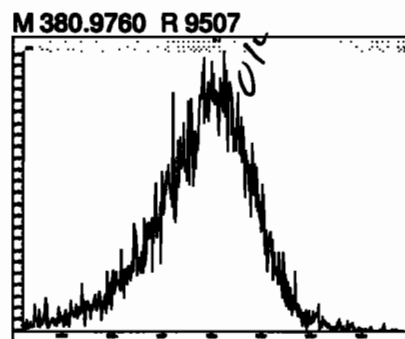
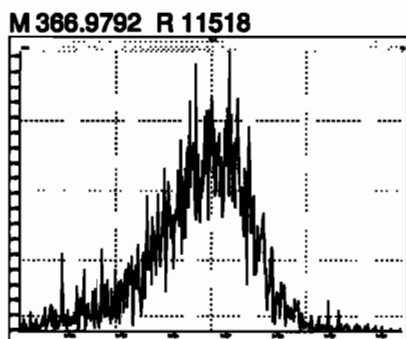
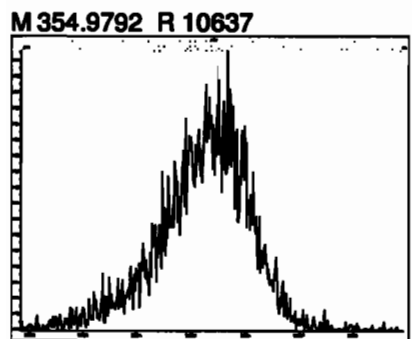
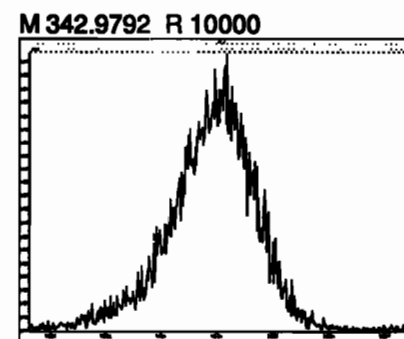
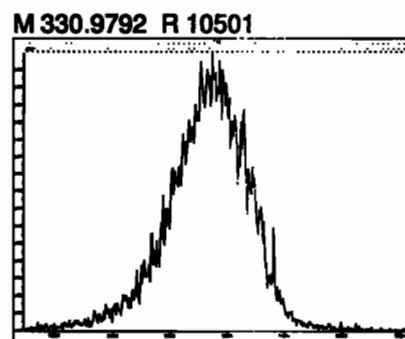
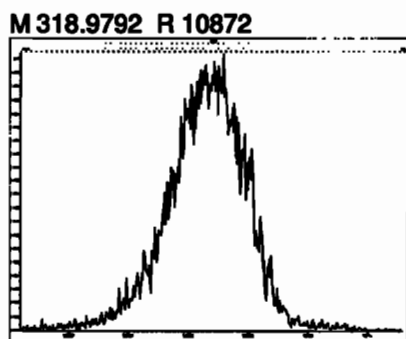
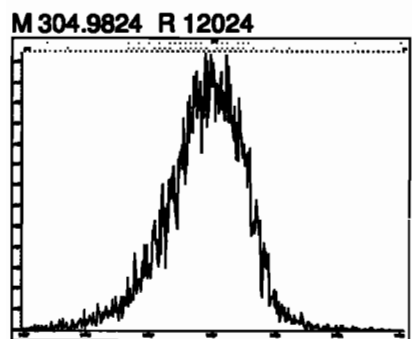
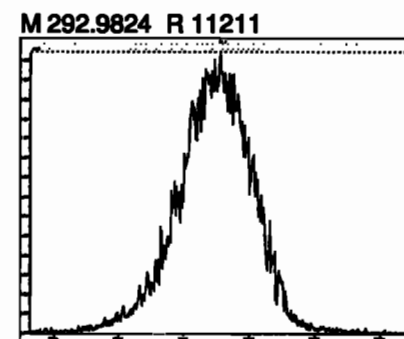
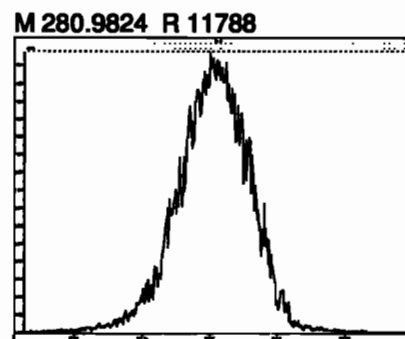
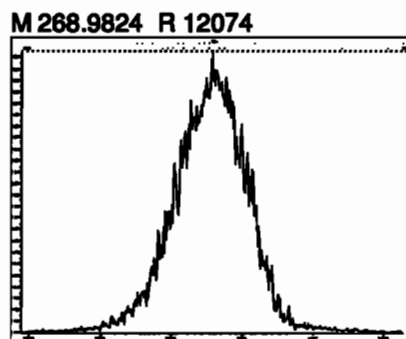
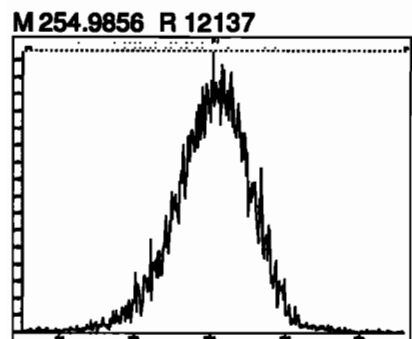
File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, June 01, 2020 12:03:55 Pacific Daylight Time



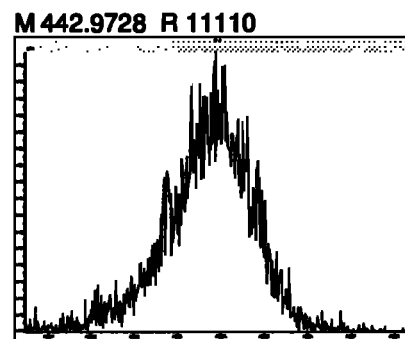
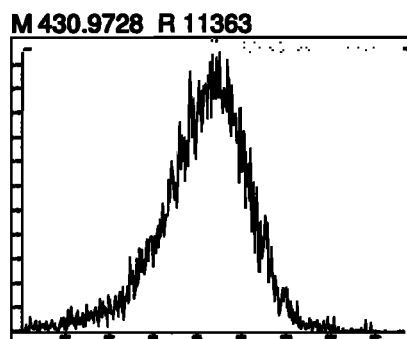
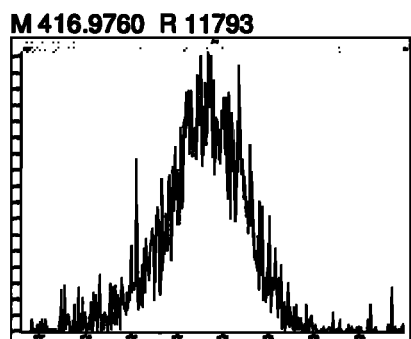
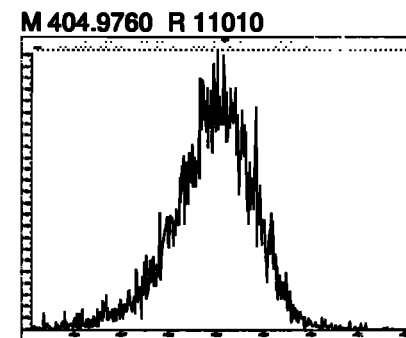
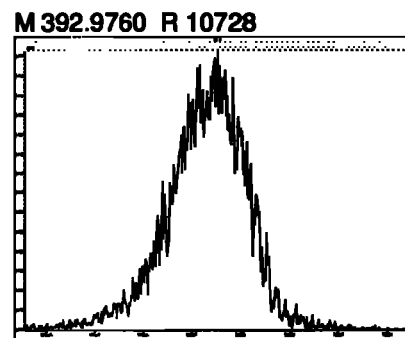
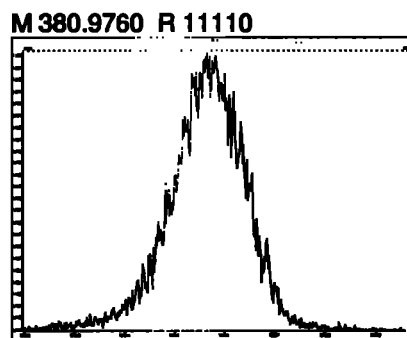
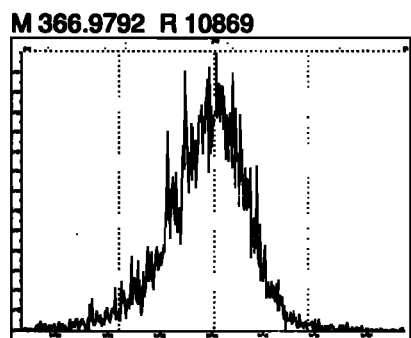
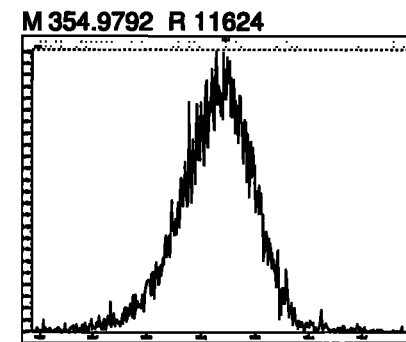
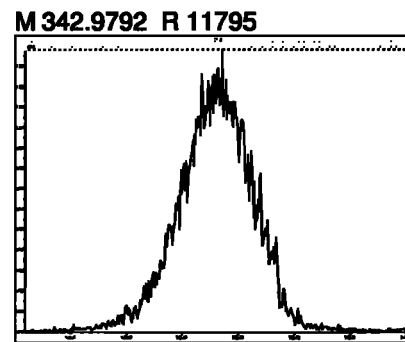
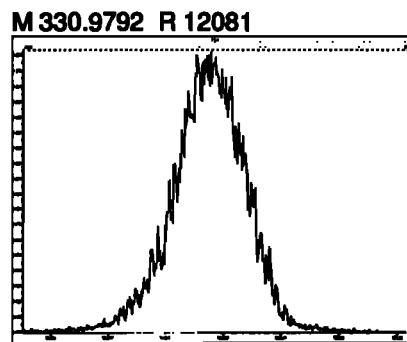
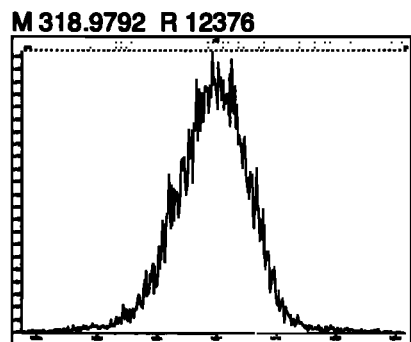
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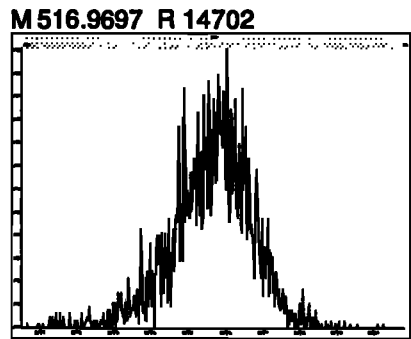
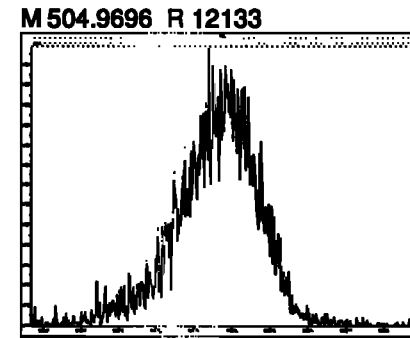
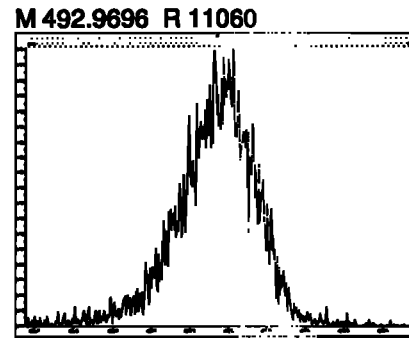
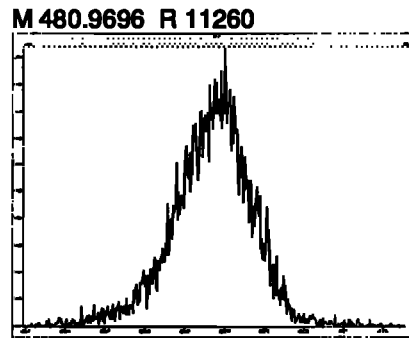
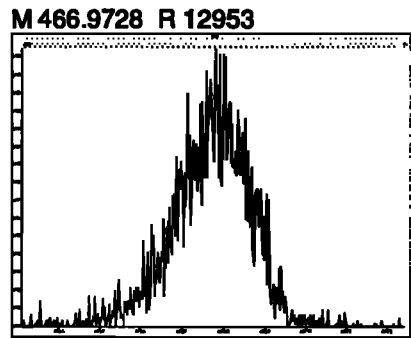
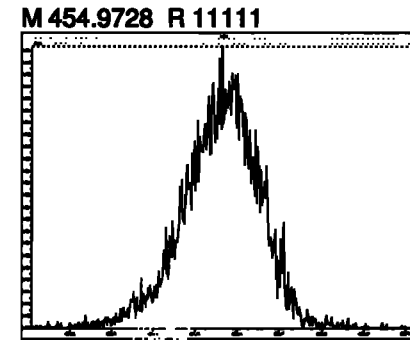
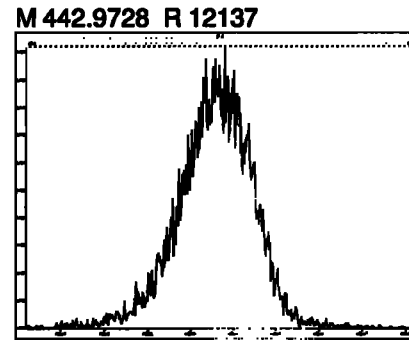
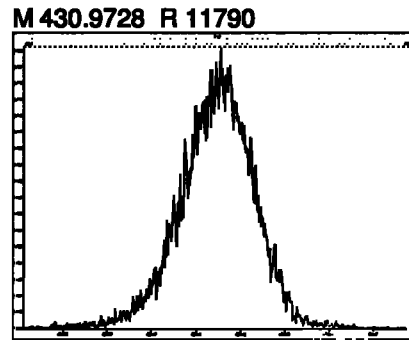
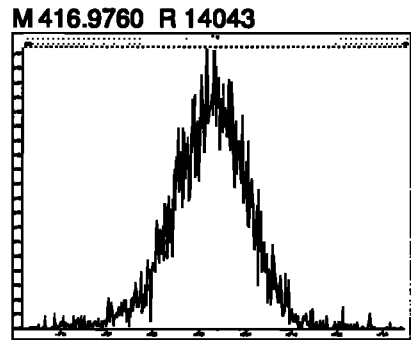
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Printed: Monday, June 01, 2020 12:12:00 Pacific Daylight Time



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Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

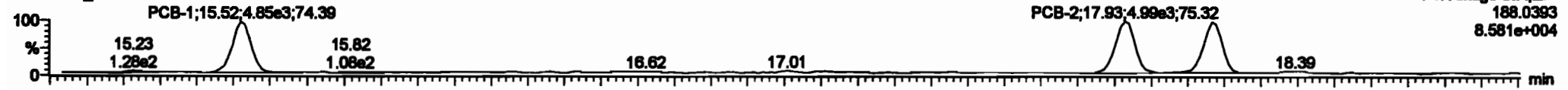
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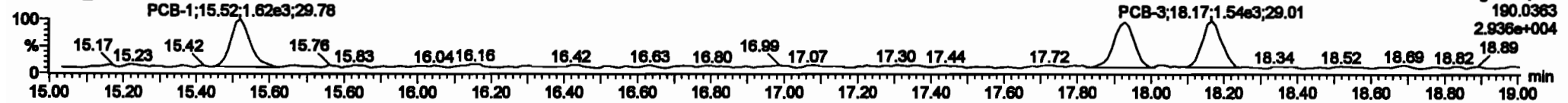
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PCB-1

200601K1\_1

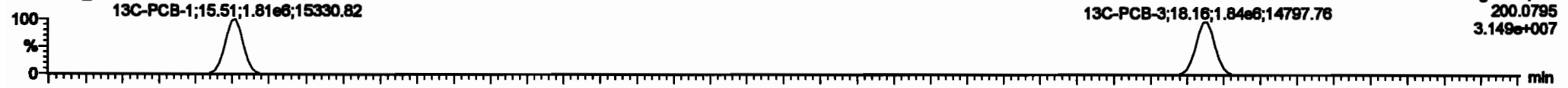


200601K1\_1

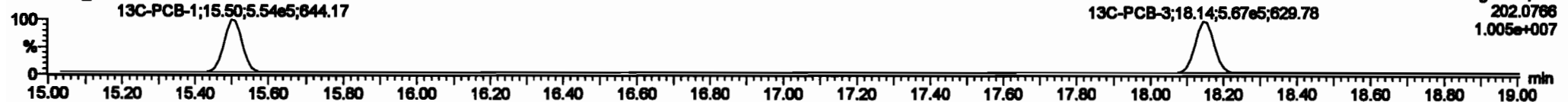


13C-PCB-1

200601K1\_1

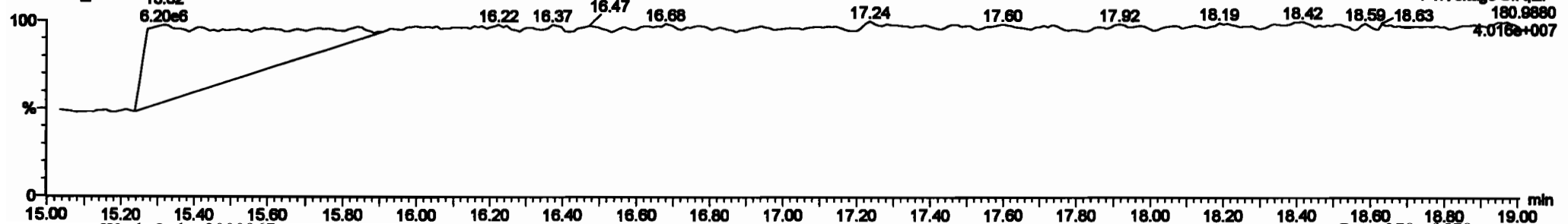


200601K1\_1



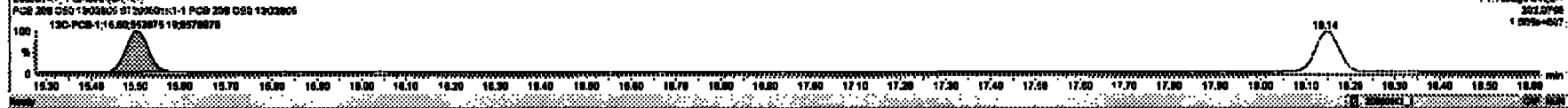
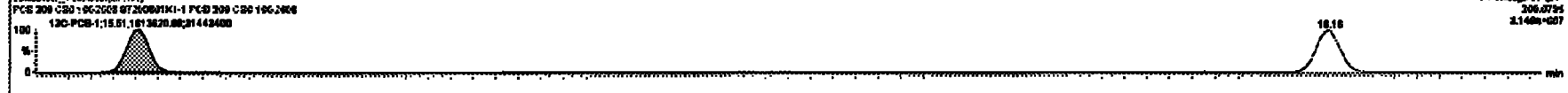
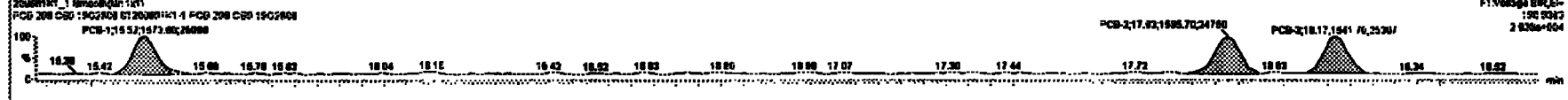
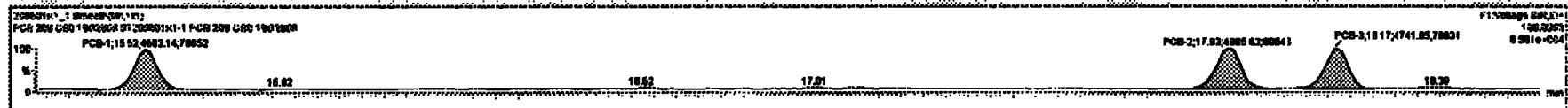
PFK1

200601K1\_1



PCB#	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	
216	13C-PCB-45	1.89e6	0.78	NO	1.0000	1.000	30.00	30.00	1.000	0.000	NO	100.0	100	0.0000					
216	13C-PCB-111	1.89e6	1.02	NO	1.0000	1.000	30.25	30.25	1.000	0.000	NO	100.0	100	0.0016					
217	13C-PCB-139	0.47e6	1.28	NO	1.0000	1.000	48.00	48.00	1.000	0.000	NO	100.0	100	0.0004					
218	13C-PCB-102	0.80e6	0.48	NO	1.0000	1.000	49.43	49.43	0.000	0.000	NO	100.0	100	0.0010					
218	13C-PCB-205	0.80e6	0.80	NO	1.0000	1.000	64.00	64.00	1.000	0.000	NO	100.0	100	0.140					
220	13C-PCB-78	1.89e6	0.78	NO	1.0000	1.000	37.78	37.78	1.000	1.000	NO	100.2	100	0.0007					
221	13C-PCB-176	0.89e6	0.48	NO	0.7988	1.000	48.00	48.00	0.000	0.000	NO	101.5	101	0.0000					
222	13C-PCB-78	1.89e6	0.78	NO	1.0021	1.000	37.78	37.78	0.000	0.000	NO	102.5	100	0.0000					
223	13C-PCB-176	0.89e6	0.48	NO	1.0000	1.000	48.00	48.00	0.000	0.000	NO	101.0	100	0.0002					
224	13C-PCB-176	0.89e6	0.48	NO	1.0000	1.000	48.00	48.00	0.000	0.000	NO	101.0	100	0.0002					
225	Total PCBs				1.0007	1.000	0.00	0.00	0.000	0.000	NO	2.00%		0.270		2.00%			
226	Total PCBs				1.0007	1.000	0.00	0.00	0.000	0.000	NO	1.00%		0.104		1.00%			

PCB#	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB
1	PCB-1	15.52	16.52	4.80e6	1.57e6	5.100	2.00	NO	0.2000	0.2000								
2	PCB-2	17.26	17.68	4.80e6	1.60e6	5.100	5.13	NO	0.20100	0.20077								
3	PCB-3	18.17	18.17	4.74e6	1.64e6	5.100	3.08	NO	0.20700	0.20808								

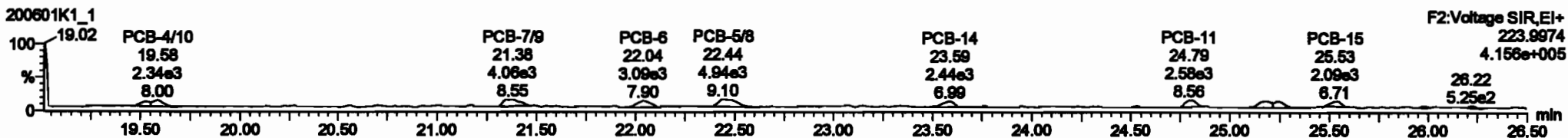
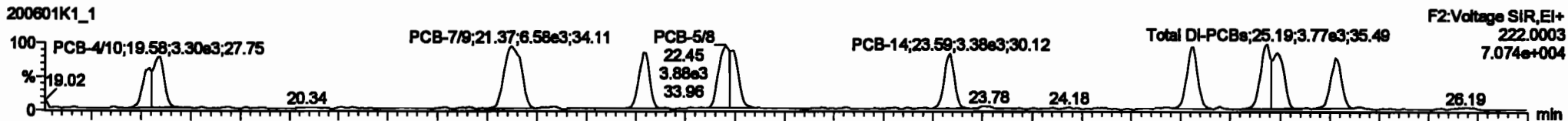


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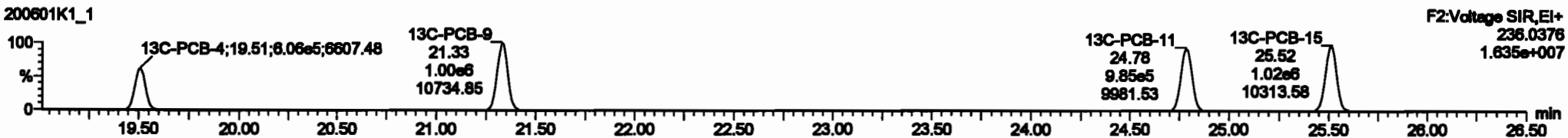
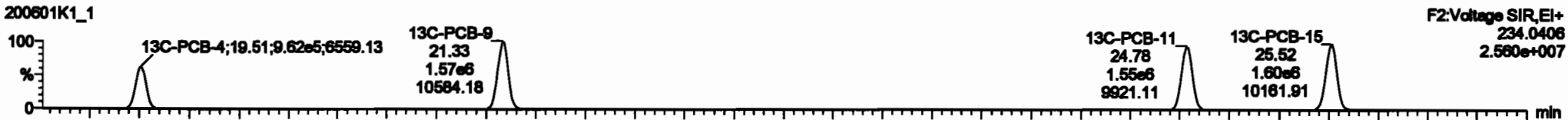
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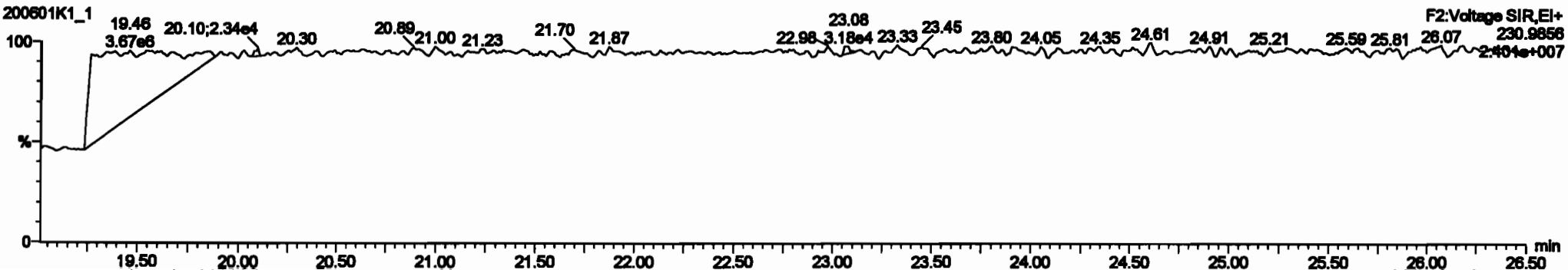
**PCB-4/10**



**13C-PCB-4**

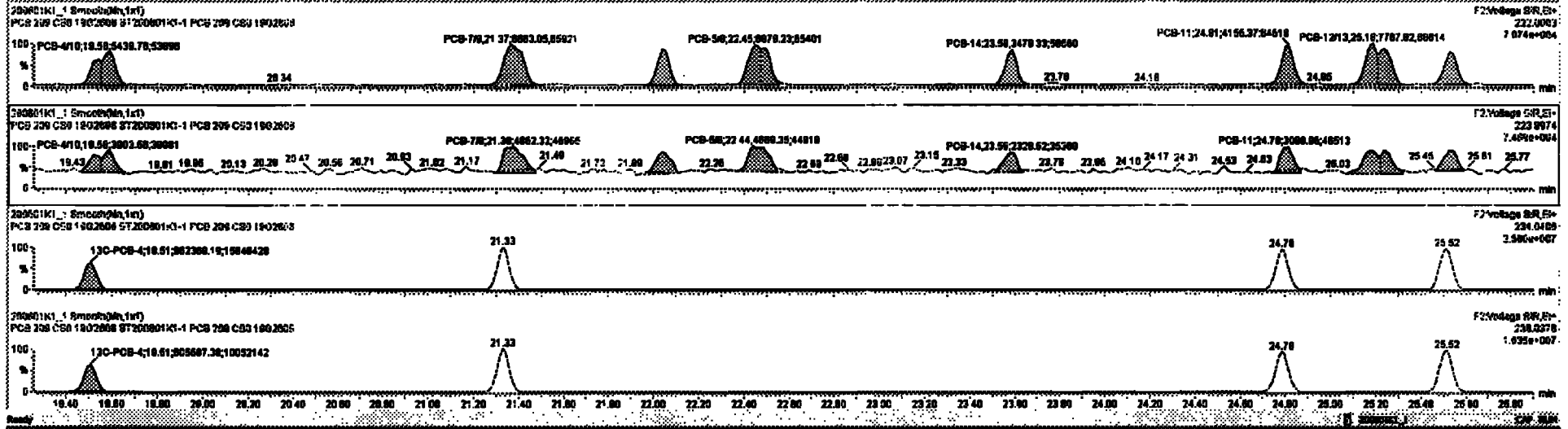


**PFK2a**



PCB No.	PCB Name	PCB Type	PCB Size	PCB Weight	PCB Volume	PCB Area	PCB Perimeter	PCB Thickness	PCB Material	PCB Color	PCB Finish	PCB Date	PCB Time	PCB Status	PCB Location
216	13C-PCB-88	1.82x6	0.78	NO	1.8200	1.000	38.88	38.88	1.800	0.000	NO	180.0	100	0.0808	
216	13C-PCB-111	1.82x6	1.82	NO	1.8200	1.000	38.25	38.25	1.800	0.000	NO	180.0	100	0.0915	
217	13C-PCB-128	8.47x6	1.28	NO	1.8200	1.000	48.80	48.80	1.800	0.000	NO	180.0	100	0.0884	
218	13C-PCB-162	8.88x6	0.48	NO	1.8200	1.000	48.43	48.43	0.800	0.000	NO	180.0	100	0.0818	
219	13C-PCB-208	8.88x6	0.80	NO	1.8200	1.000	64.88	64.88	1.000	0.000	NO	180.0	100	0.148	
220	13C-PCB-78	1.82x6	0.78	NO	1.8200	1.000	37.78	37.78	1.000	1.000	NO	182.2	102	0.0887	
221	13C-PCB-178	8.88x6	0.48	NO	0.7800	1.000	48.88	48.88	0.800	0.800	NO	181.8	101	0.0828	
222	13C-PCB-78	1.82x6	0.78	NO	1.8201	1.000	37.78	37.78	0.800	0.800	NO	182.8	102	0.0888	
223	13C-PCB-178	8.88x6	0.48	NO	1.8200	1.000	48.87	48.87	0.823	0.823	NO	181.8	102	0.0882	
224	Total Micro-PCBs				1.8887	1.000	0.00	0.00			NO	0.000		0.0048	0.8830
225	Total Function TMs PCBs				1.8887	1.000	0.00	0.00			NO	1.888		0.404	1.828

PCB No.	PCB Name	PCB Type	PCB Size	PCB Weight	PCB Volume	PCB Area	PCB Perimeter	PCB Thickness	PCB Material	PCB Color	PCB Finish	PCB Date	PCB Time	PCB Status	PCB Location
4	PCB-478	18.88	18.88	5.44x3	3.88x3	1.800	1.28	NO	0.47700	0.47744					
5	PCB-78	21.28	21.28	8.88x3	4.88x3	1.800	1.37	NO	0.48700	0.48883					
6	PCB-9	22.08	22.04	3.78x3	2.78x3	1.800	1.28	NO	0.24880	0.24882					
7	PCB-58	22.44	22.45	8.87x3	4.88x3	1.800	1.47	NO	0.48200	0.48247					
8	PCB-14	23.88	23.88	3.47x3	2.32x3	1.800	1.48	NO	0.22880	0.22843					
9	PCB-11	24.80	24.81	4.18x3	3.08x3	1.800	1.34	NO	0.28400	0.28438					
10	PCB-1283	28.28	28.18	7.78x3	6.78x3	1.800	1.38	NO	0.81880	0.81880					
11	PCB-15	28.84	28.83	3.82x3	2.81x3	1.800	1.48	NO	0.23100	0.23088					

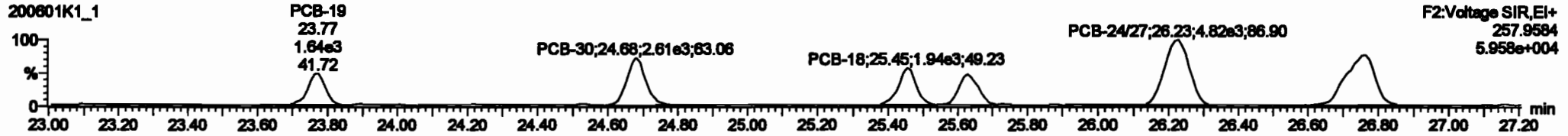
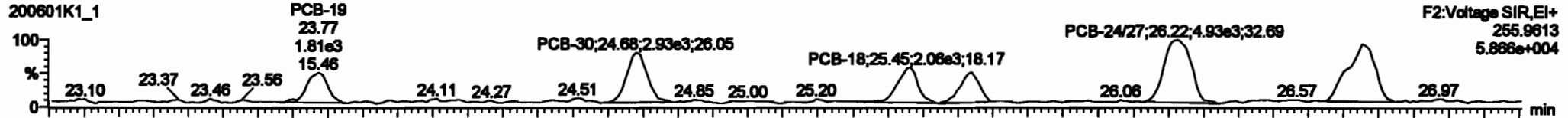


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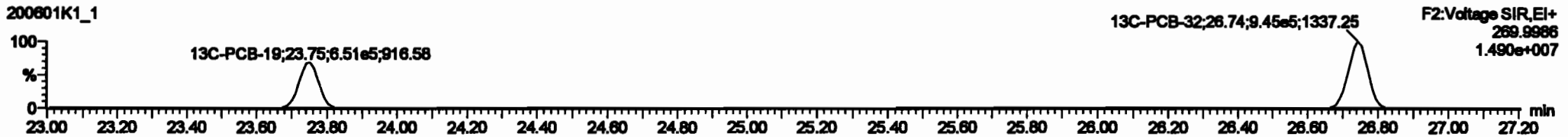
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

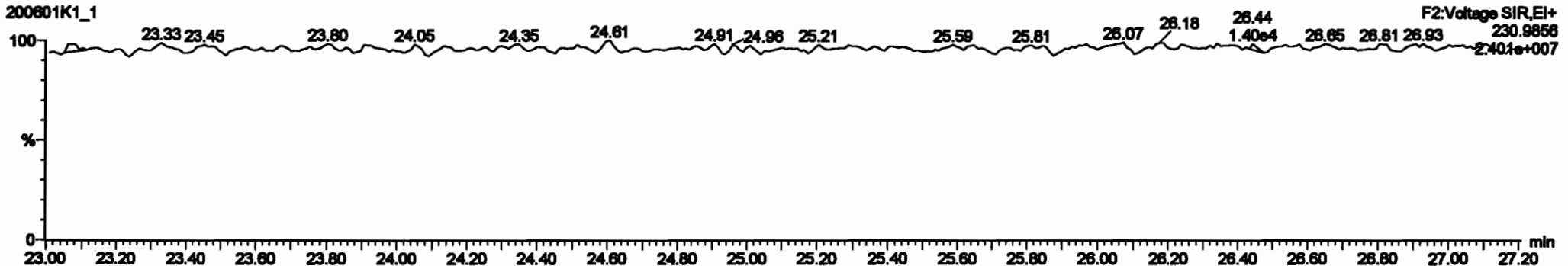
PCB-19



13C-PCB-19

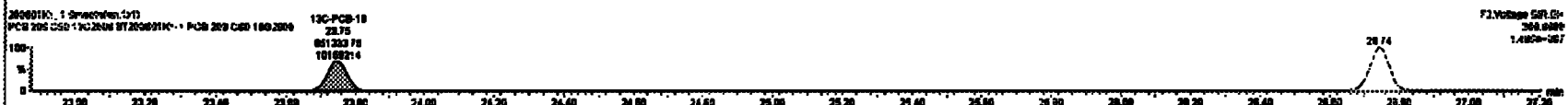
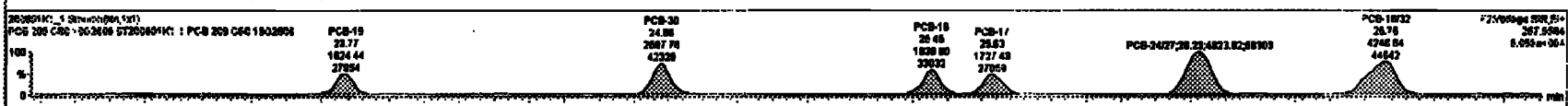
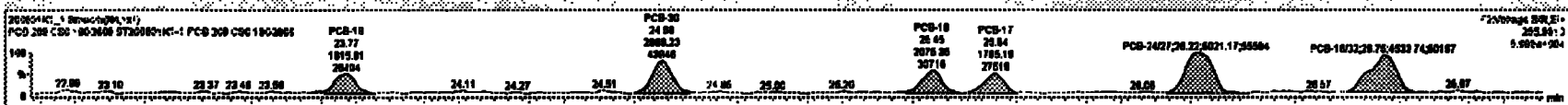


PFK2b



PCB No.	PCB Name	Area	Height	Width	Volume	Weight	Length	Width	Height	Volume	Weight	Length	Width	Height	Volume	Weight
216	13C-PCB-09	1.07e6	0.70	NO	1.0000	1.000	20.00	20.00	1.000	0.000	NO	100.0	100	0.0000		
216	13C-PCB-111	1.07e6	1.02	NO	1.0000	1.000	20.25	20.25	1.000	0.000	NO	100.0	100	0.0016		
217	13C-PCB-128	0.07e6	1.20	NO	1.0000	1.000	40.00	40.00	1.000	0.000	NO	100.0	100	0.0004		
216	13C-PCB-167	0.00e6	0.00	NO	1.0000	1.000	40.00	40.00	0.000	0.000	NO	100.0	100	0.0010		
216	13C-PCB-205	0.00e6	0.00	NO	1.0000	1.000	04.00	04.00	1.000	0.000	NO	100.0	100	0.140		
200	13C-PCB-70	1.00e6	0.70	NO	1.0000	1.000	27.70	27.70	1.000	1.000	NO	100.0	100	0.0007		
201	13C-PCB-170	0.00e6	0.00	NO	0.7000	1.000	40.00	40.00	0.000	0.000	NO	100.0	100	0.0000		
200	13C-PCB-70	1.00e6	0.70	NO	1.0000	1.000	27.70	27.70	0.000	0.000	NO	100.0	100	0.0000		
100	13C-PCB-170	0.00e6	0.00	NO	1.0000	1.000	40.00	40.00	0.000	0.000	NO	100.0	100	0.0000		
200	Total Mass-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	0.0000	0.0000	0.0000		
200	Total BL-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	2.0000	0.0000	0.0000		

PCB No.	PCB Name	Area	Height	Width	Volume	Weight	Length	Width	Height	Volume	Weight
13	PCB-10	20.70	23.77	1.00e6	1.00e6	1.000	1.12	NO	0.20000	0.20000	
13	PCB-30	24.00	24.00	2.00e6	2.00e6	1.000	1.15	NO	0.20000	0.20010	
14	PCB-10	20.40	20.40	2.00e6	1.00e6	1.000	1.07	NO	0.20000	0.20011	
15	PCB-17	20.00	20.00	1.70e6	1.70e6	1.000	1.06	NO	0.20000	0.20000	
16	PCB-2407	20.20	20.22	5.00e6	4.00e6	1.000	1.01	NO	0.07000	0.07000	
17	PCB-1802	20.70	20.70	4.00e6	4.00e6	1.000	1.07	NO	0.00000	0.00000	

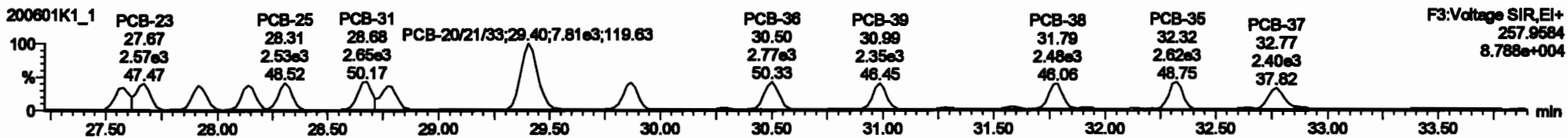
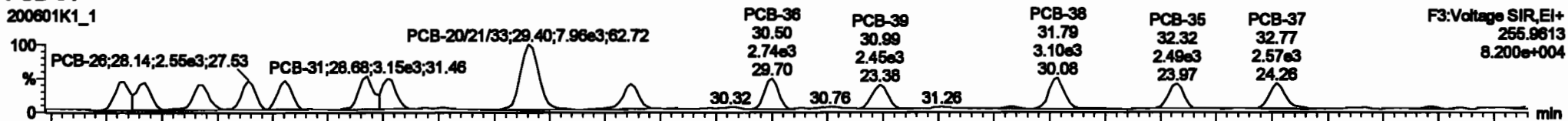


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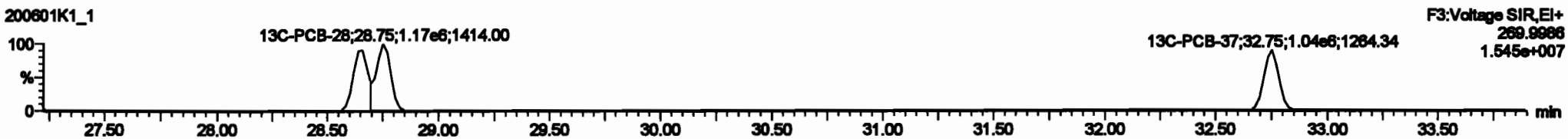
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Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

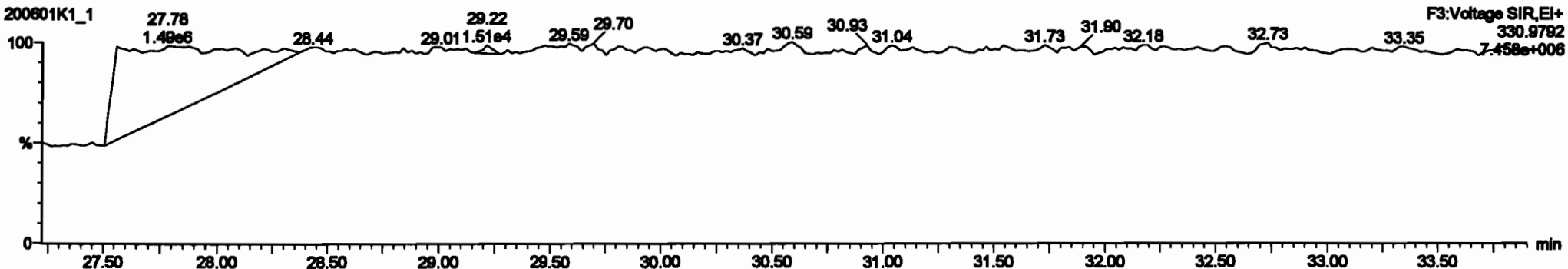
PCB-34



13C-PCB-28



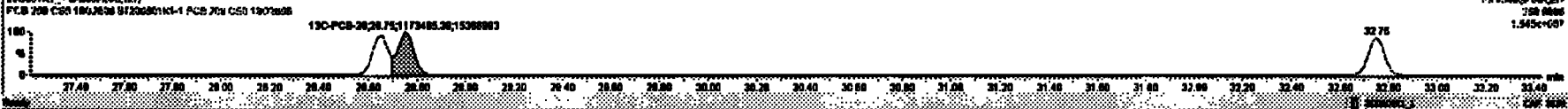
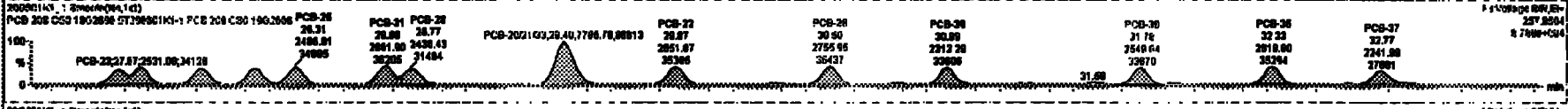
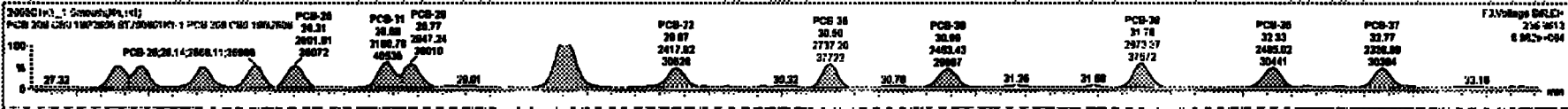
PFK3d





PCB No.	PCB Name	PCB Type	PCB Weight	PCB Volume	PCB Density	PCB Area	PCB Perim	PCB Hgt	PCB Wgt	PCB Vol	PCB Dens	PCB Area	PCB Perim	PCB Hgt	PCB Wgt	PCB Vol	PCB Dens
228	Total Total-PCBs		1.8770	1.000	0.00	0.000	0.00	0.00	0.017	0.267	0.017	0.000	0.000	0.000	0.000	0.000	0.000
229	2nd Function Parts-PCBs		1.2157	1.000	0.00	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
230	4th Function Parts-PCBs		1.8725	1.000	0.00	0.000	0.00	0.00	1.148	0.000	1.148	0.000	0.000	0.000	0.000	0.000	0.000
231	2nd Function Hous-PCBs		0.8885	1.000	0.00	0.000	0.00	0.000	3.488	0.000	3.488	0.000	0.000	0.000	0.000	0.000	0.000
232	4th Function Hous-PCBs		1.0216	1.000	0.00	0.000	0.00	0.00	6.821	0.000	6.821	0.000	0.000	0.000	0.000	0.000	0.000
233	Total Hous-PCBs		1.3891	1.000	0.00	0.000	0.00	0.000	0.000	0.228	0.000	0.228	0.000	0.000	0.000	0.000	0.000
234	4th Function Out-PCBs		1.0000	1.000	0.00	0.000	0.00	0.000	2.188	0.0714	2.188	0.000	0.000	0.000	0.000	0.000	0.000
235	2nd Function Out-PCBs		1.1488	1.000	0.00	0.000	0.00	0.000	0.7210	0.0287	0.7210	0.000	0.000	0.000	0.000	0.000	0.000
236	Total Hous-PCBs		0.8823	1.000	0.00	0.000	0.00	0.000	0.7181	0.000	0.7180	0.000	0.000	0.000	0.000	0.000	0.000
237	Total PCBs		0.8884	1.000	0.00	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
238	Total PCBs																

PCB No.	PCB Name	PCB Type	PCB Weight	PCB Volume	PCB Density	PCB Area	PCB Perim	PCB Hgt	PCB Wgt	PCB Vol	PCB Dens	PCB Area	PCB Perim	PCB Hgt	PCB Wgt	PCB Vol	PCB Dens
18	PCB-24		27.88	27.88	2.6288	2.2088	1.940	1.14	NO	0.2180	0.2180						
19	PCB-29		27.88	27.87	2.6143	2.5143	1.940	1.03	NO	0.2480	0.2480						
20	PCB-28		27.81	27.81	2.6063	2.3963	1.940	1.11	NO	0.2380	0.2380						
21	PCB-26		28.14	28.14	2.6063	2.4363	1.940	1.08	NO	0.2270	0.2270						
22	PCB-25		28.20	28.20	2.6063	2.4870	1.940	1.13	NO	0.2480	0.2480						
23	PCB-31		28.88	28.88	2.6063	2.5563	1.940	1.16	NO	0.2440	0.2440						
24	PCB-30		28.77	28.77	2.6063	2.4963	1.940	1.17	NO	0.2470	0.2470						
25	PCB-29Hous		28.41	28.41	2.6143	2.5843	1.940	1.03	NO	0.2670	0.2670						
26	PCB-29		28.88	28.88	2.6063	2.6063	1.940	0.81	NO	0.2180	0.2180						

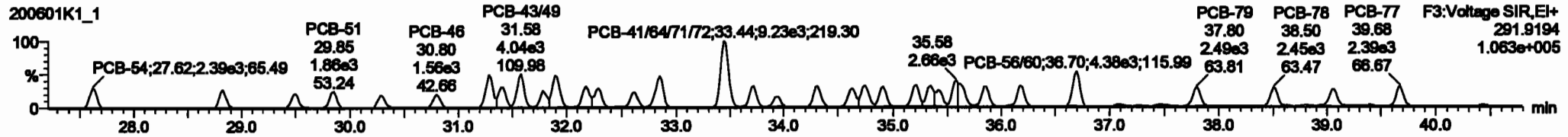
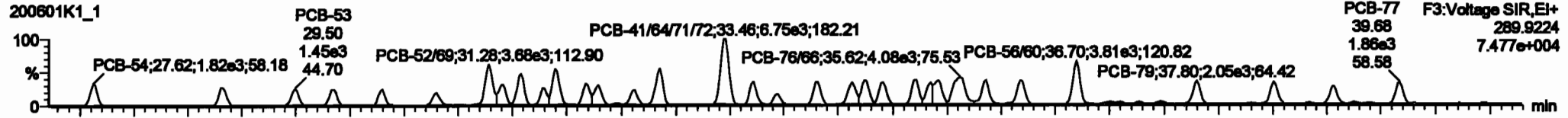


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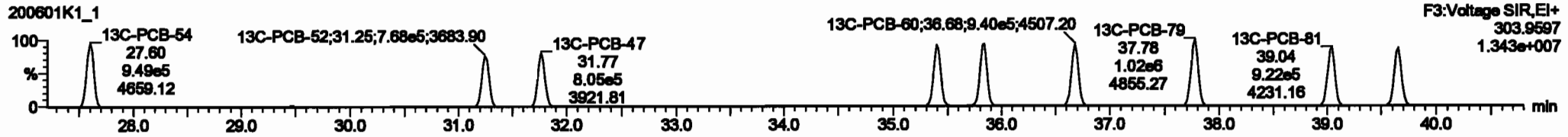
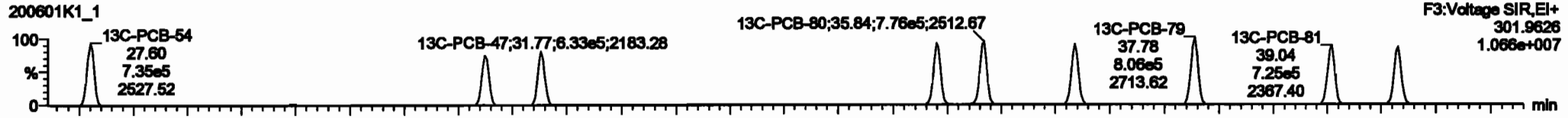
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

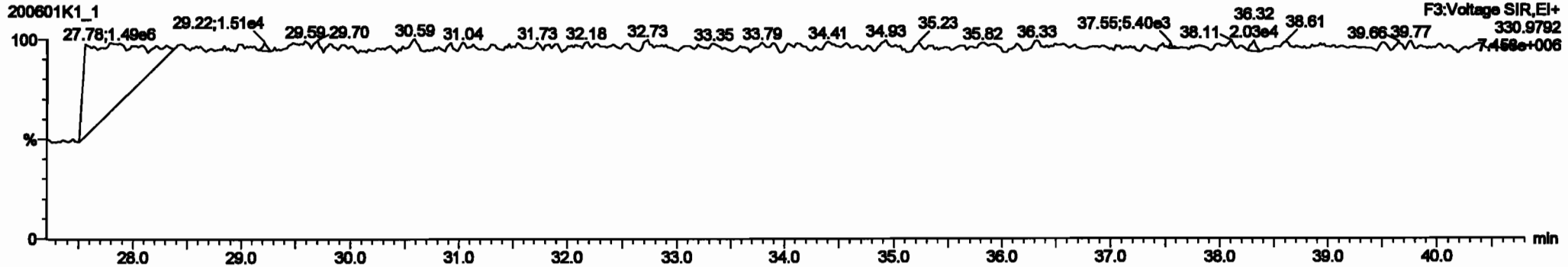
PCB-54



13C-PCB-54



PFK3a



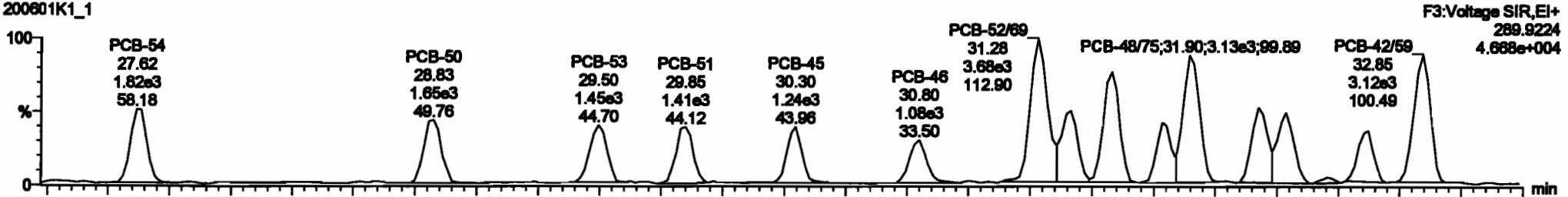
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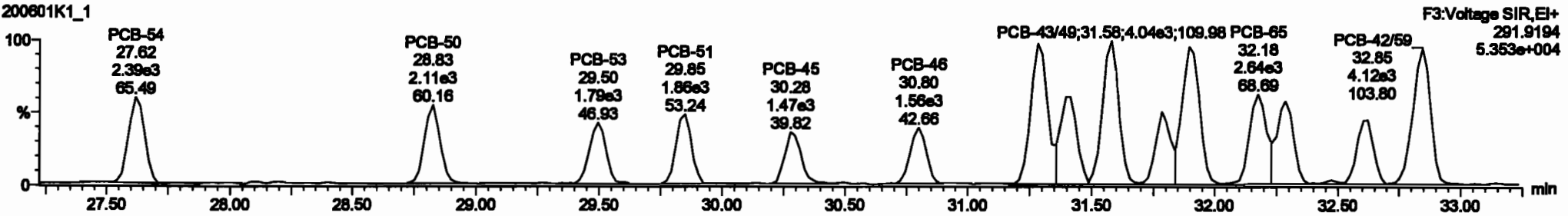
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PCB-50

200601K1\_1

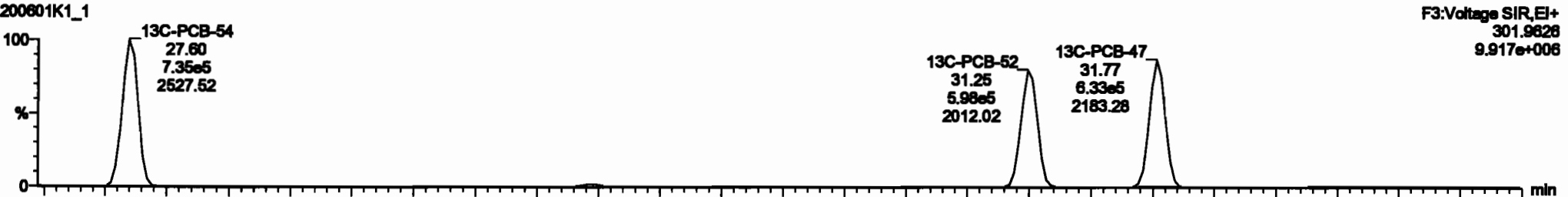


200601K1\_1

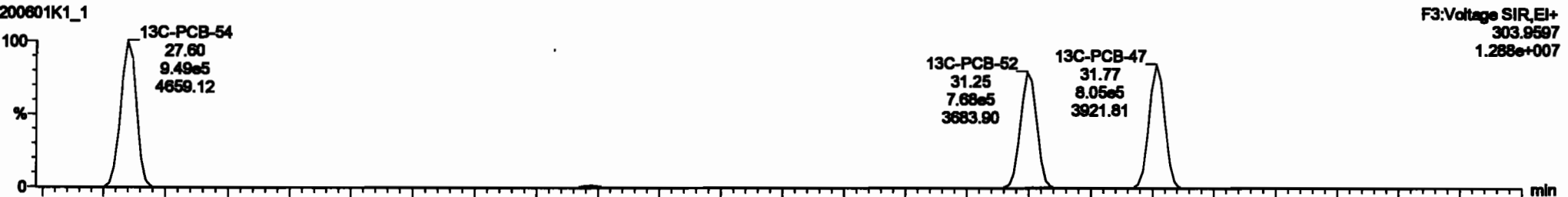


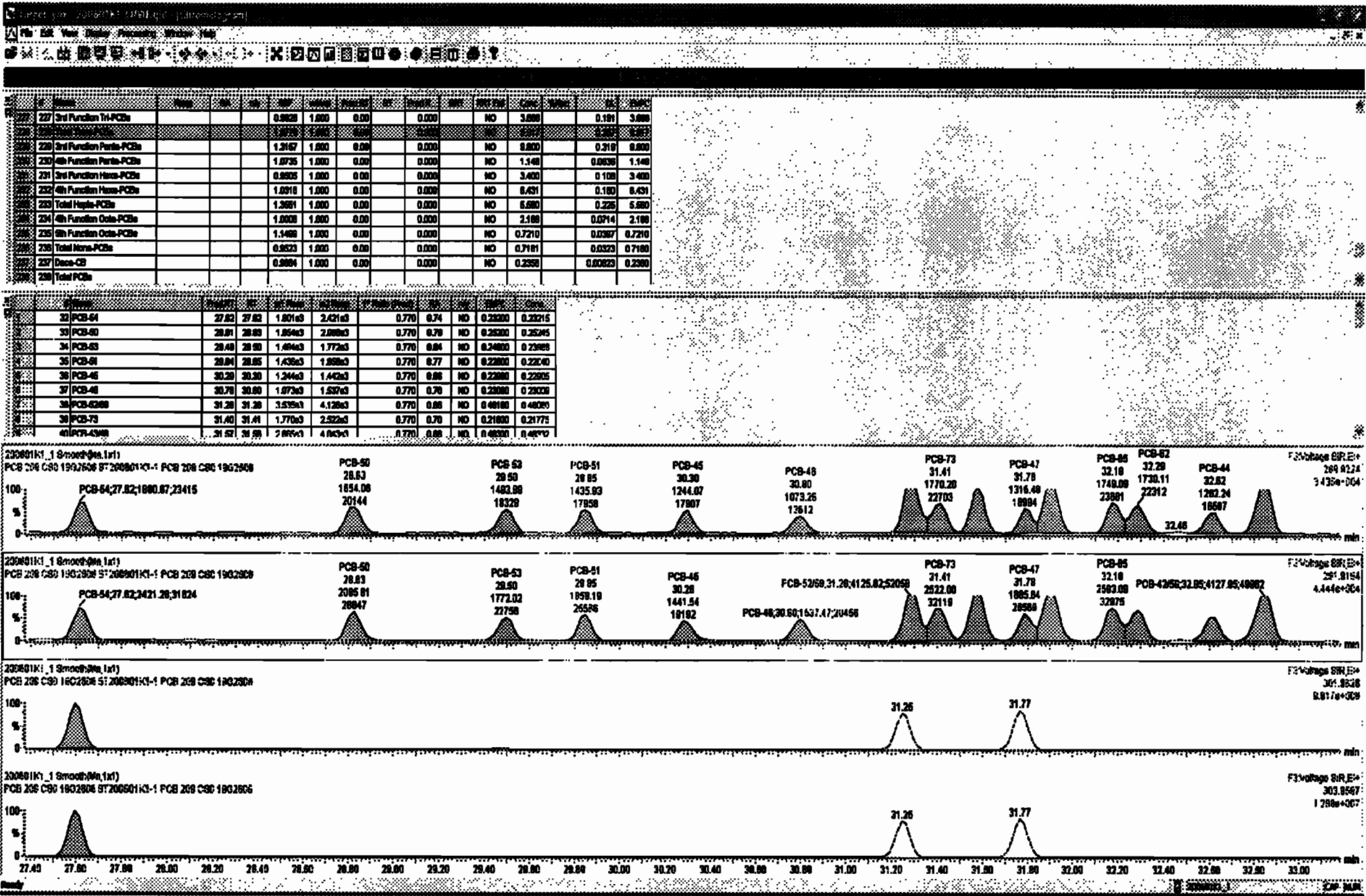
13C-PCB-52

200601K1\_1



200601K1\_1



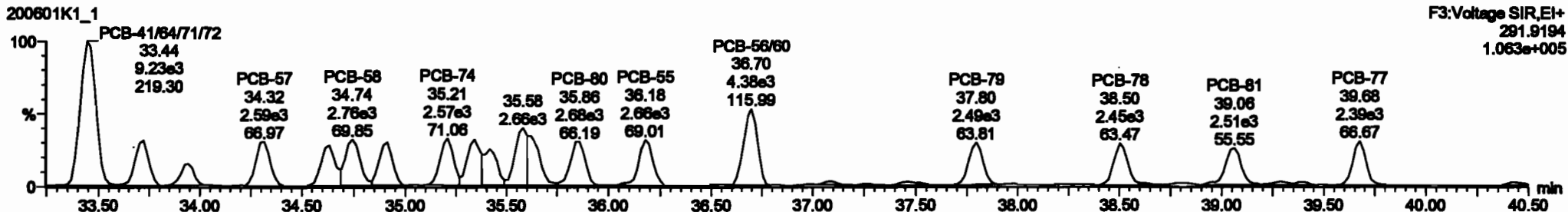
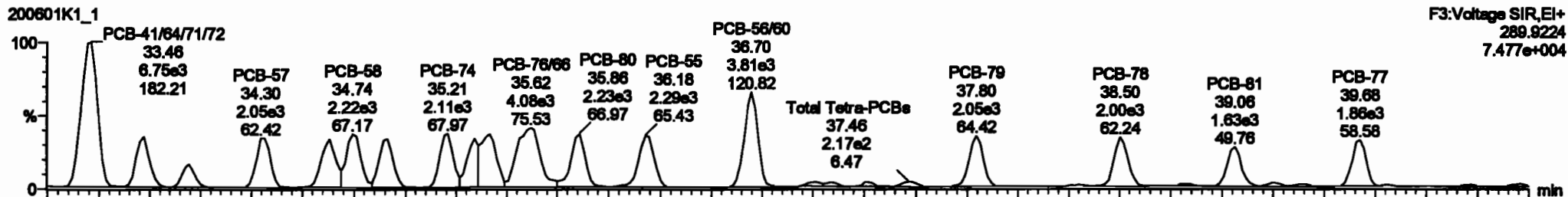


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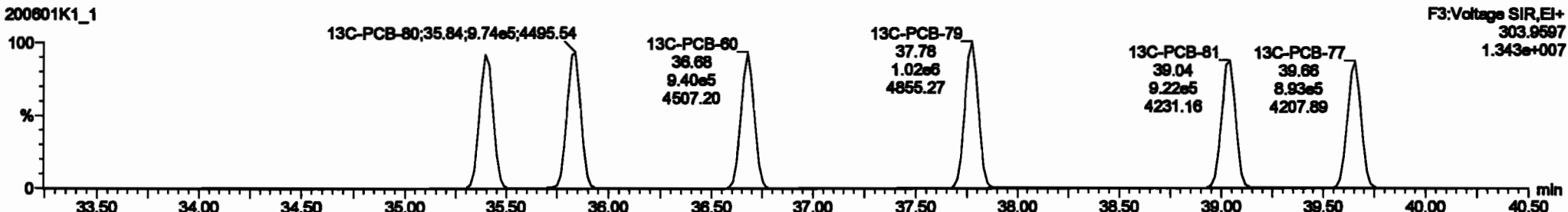
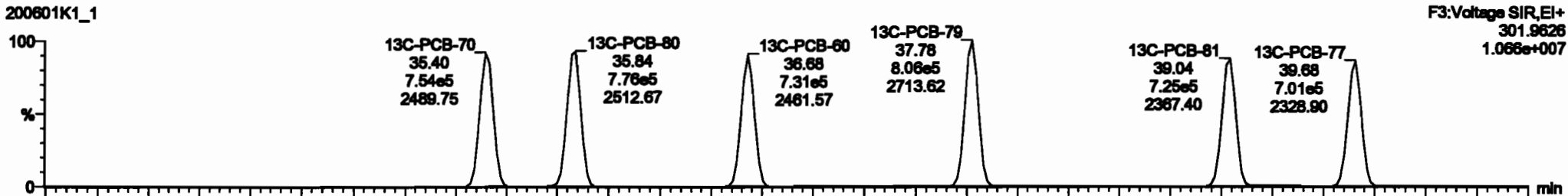
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**PCB-68**

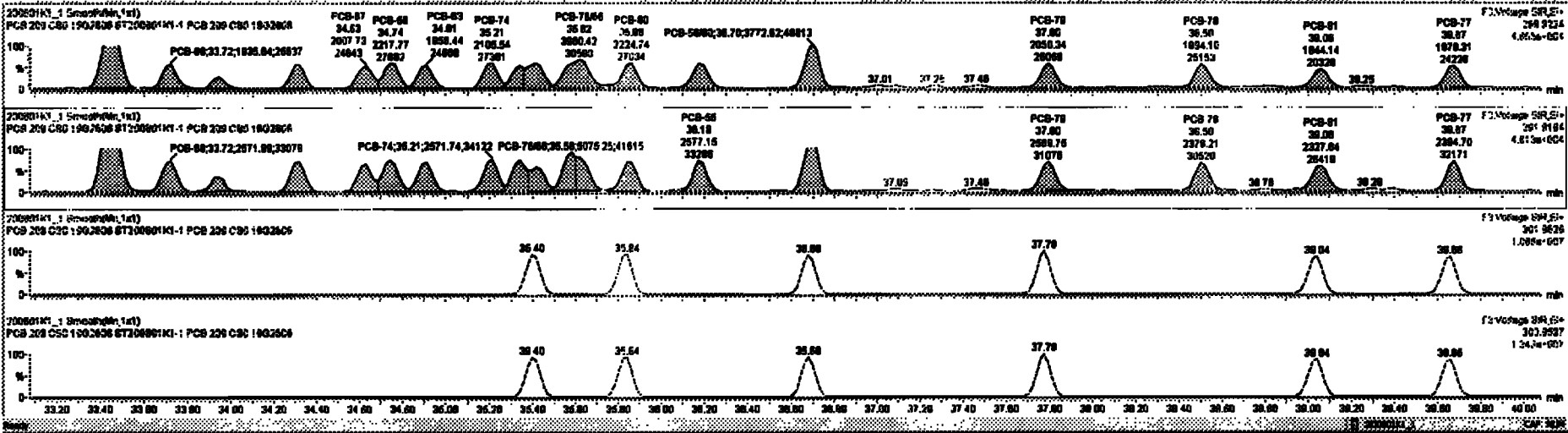


**13C-PCB-60**



QTY	DESCRIPTION	UNIT	PRICE	TOTAL	AMOUNT	PERCENT	NO.	NO.	NO.	NO.	NO.	NO.	NO.
227	2nd Function 1M-PCBs		0.0000	1.000	0.00	0.000	NO	3.000		0.101	1.000		
228	2nd Function Parts-PCBs		1.2167	1.000	0.00	0.000	NO	0.000		0.313	0.000		
229	4th Function Parts-PCBs		1.0700	1.000	0.00	0.000	NO	1.540		0.000	1.140		
230	2nd Function Mass-PCBs		0.0000	1.000	0.00	0.000	NO	3.400		0.100	3.400		
231	4th Function Mass-PCBs		1.0310	1.000	0.00	0.000	NO	0.431		0.100	0.431		
232	Total Highs-PCBs		1.3881	1.000	0.00	0.000	NO	0.000		0.226	0.000		
233	4th Function Oats-PCBs		1.0000	1.000	0.00	0.000	NO	2.900		0.074	2.100		
234	8th Function Oats-PCBs		1.1400	1.000	0.00	0.000	NO	0.7210		0.000	0.7210		
235	Total Mass-PCBs		0.0000	1.000	0.00	0.000	NO	0.7101		0.000	0.7101		
237	Dense-CD		0.0004	1.000	0.00	0.000	NO	0.2000		0.000	0.2000		
238	Total PCBs												

PCB No.	PCB No.	PCB No.	PCB No.	PCB No.	PCB No.	PCB No.	PCB No.	PCB No.	PCB No.	PCB No.	PCB No.	PCB No.	PCB No.
32 PCB-84	29 02	29 02	1.801e0	2.421e0	0.770	0.24	NO	0.23200	0.23218				
33 PCB-85	28 01	28 03	1.801e0	2.000e0	0.770	0.29	NO	0.20200	0.20240				
34 PCB-86	28 00	28 00	1.400e0	1.772e0	0.770	0.04	NO	0.24000	0.23000				
35 PCB-87	28 04	28 05	1.430e0	1.000e0	0.770	0.27	NO	0.22000	0.22040				
36 PCB-88	30 20	30 20	1.240e0	1.442e0	0.770	0.00	NO	0.22000	0.22000				
37 PCB-89	30 70	30 00	1.070e0	1.000e0	0.770	0.70	NO	0.23000	0.23000				
38 PCB-90	31 20	31 20	3.000e0	4.120e0	0.770	0.00	NO	0.40100	0.40000				
39 PCB-91	31 00	31 01	1.770e0	2.000e0	0.770	0.70	NO	0.21000	0.21770				
40 PCB-430R	31 01	31 00	2.000e0	4.000e0	0.770	0.00	NO	0.40000	0.40000				

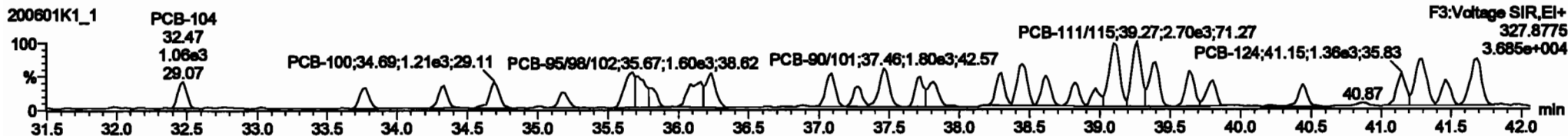
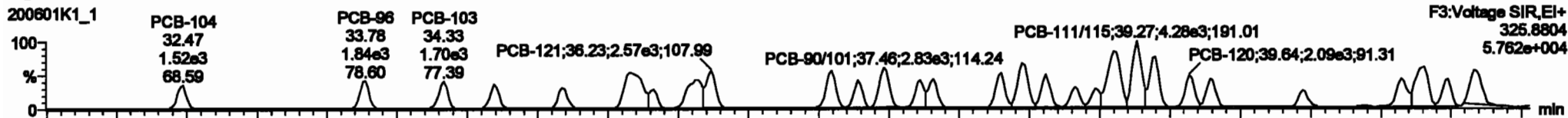


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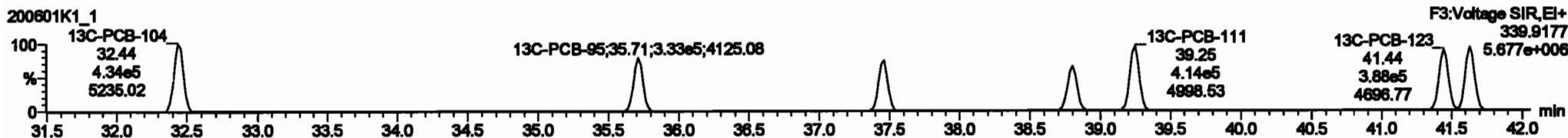
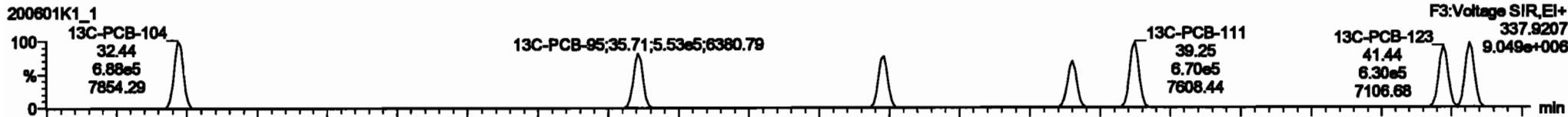
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Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

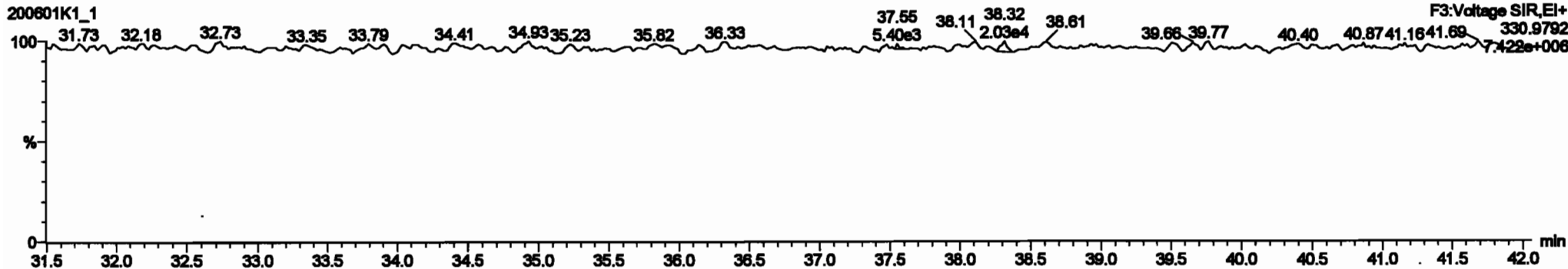
**PCB-104**



**13C-PCB-104**



**PFK3b**



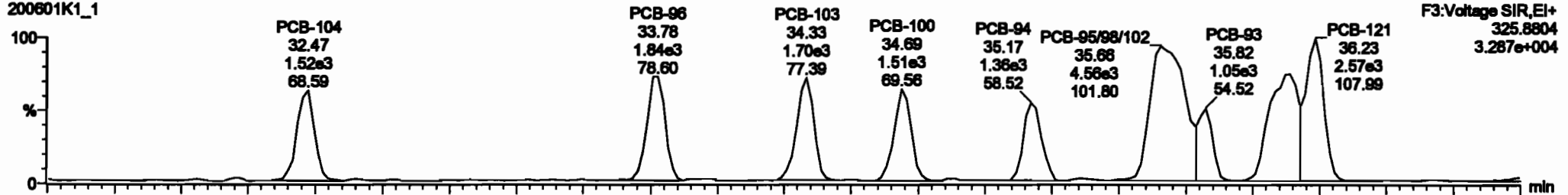
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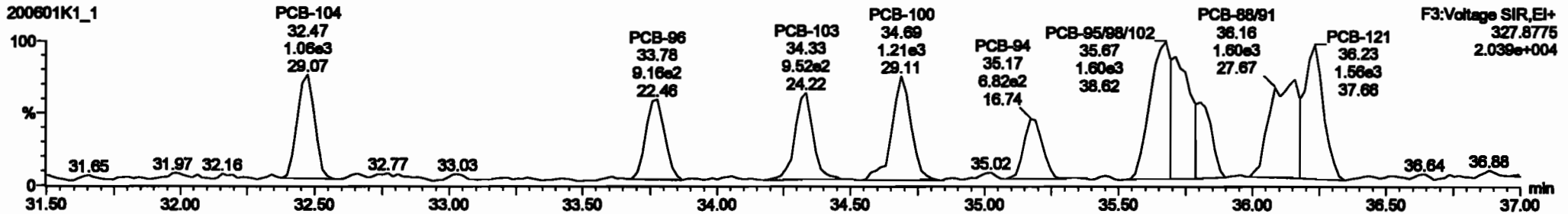
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PCB-96

200601K1\_1

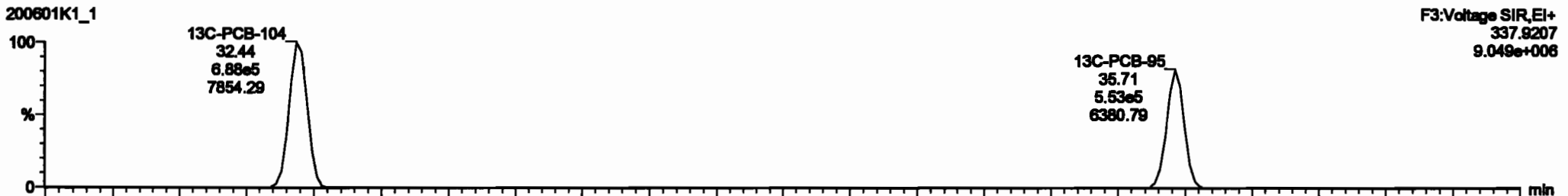


200601K1\_1

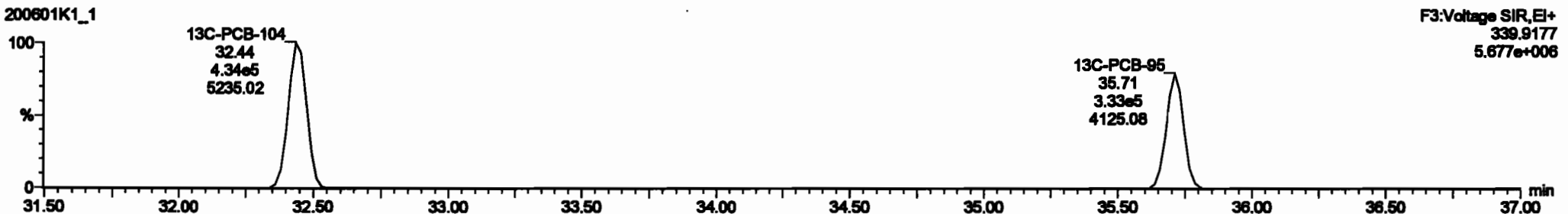


13C-PCB-95

200601K1\_1



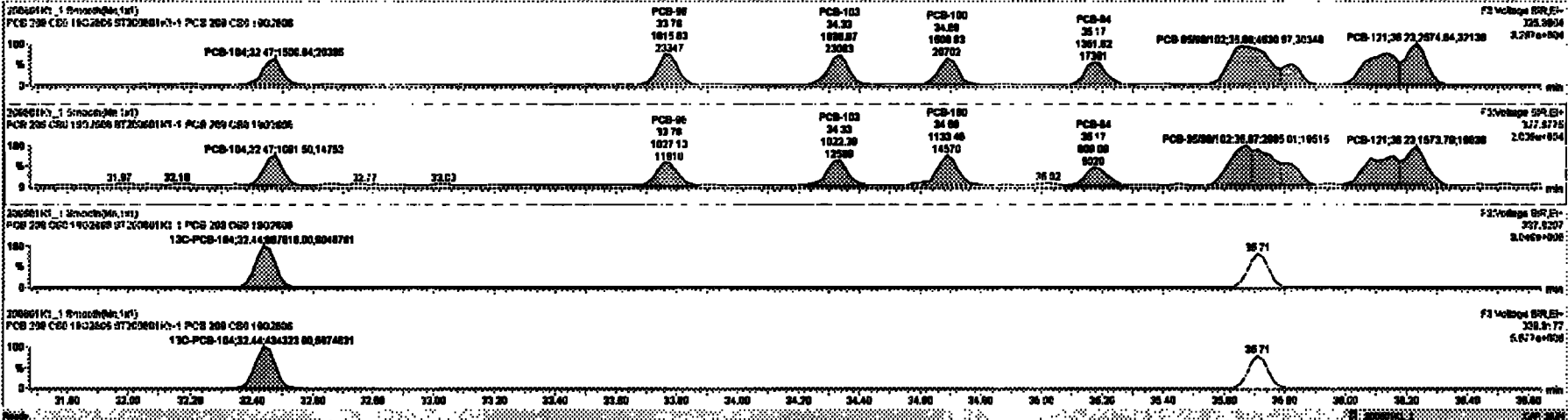
200601K1\_1





Item	Mass	Area	Conc	Unit	Mass	Area	Conc	Unit	Mass	Area	Conc	Unit	
227 2nd Purified TAPCds					0.000	1.000	0.00		0.000	NO	3.680	0.591	3.680
228 Total TAPCds					1.0776	1.000	0.00		0.000	NO	0.917	0.287	0.917
229 3rd Purified Para-PCds					1.0726	1.000	0.00		0.000	NO	1.148	0.258	1.148
230 2nd Purified Meta-PCds					0.0000	1.000	0.00		0.000	NO	3.600	0.108	3.600
231 4th Purified Meta-PCds					1.0318	1.000	0.00		0.000	NO	0.401	0.180	0.401
232 Total Meta-PCds					1.0301	1.000	0.00		0.000	NO	0.680	0.225	0.680
233 4th Purified Ortho-PCds					1.0000	1.000	0.00		0.000	NO	2.188	0.0714	2.188
234 5th Purified Ortho-PCds					1.1480	1.000	0.00		0.000	NO	0.7210	0.0887	0.7210
235 Total Ortho-PCds					0.0000	1.000	0.00		0.000	NO	0.2181	0.0023	0.2181
236 Dioxin-Cd					0.0000	1.000	0.00		0.000	NO	0.2088	0.0002	0.2088
237 Total PCBs													

Item	Peak #	RT	Area	Conc	Unit	Peak #	RT	Area	Conc	Unit
04 PCB-104	32.48	32.47	1.001e3	1.001e3	1.000	1.37	NO	0.20800	0.20800	
05 PCB-99	32.76	32.76	1.071e3	1.071e3	1.000	1.77	NO	0.22000	0.21957	
06 PCB-103	34.30	34.30	1.099e3	1.099e3	1.000	1.88	NO	0.20800	0.20877	
07 PCB-100	34.87	34.88	1.089e3	1.130e3	1.000	1.33	NO	0.24900	0.24876	
08 PCB-94	35.16	35.17	1.382e3	0.001e3	1.000	1.87	NO	0.20800	0.20800	
09 PCB-95/98/102	35.87	35.88	4.891e3	2.000e3	1.000	1.83	NO	0.70400	0.70414	
10 PCB-88	35.76	35.82	1.046e3	7.380e3	1.000	1.42	NO	0.21800	0.21812	
11 PCB-99/91	35.14	35.14	2.822e3	1.854e3	1.000	1.77	NO	0.48800	0.48882	
12 PCB-121	35.30	35.30	2.874e3	1.674e3	1.000	1.84	NO	0.27800	0.27882	



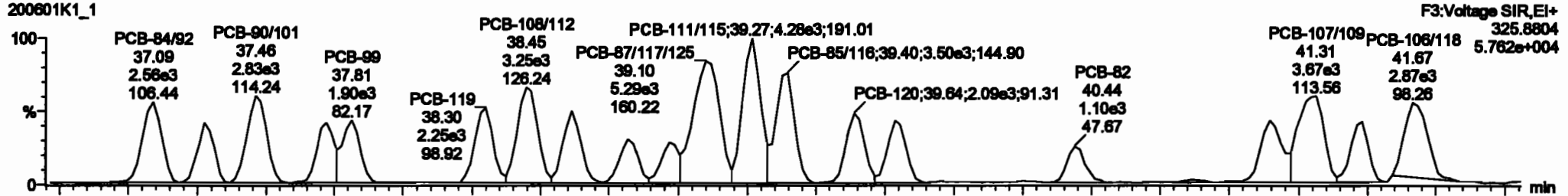
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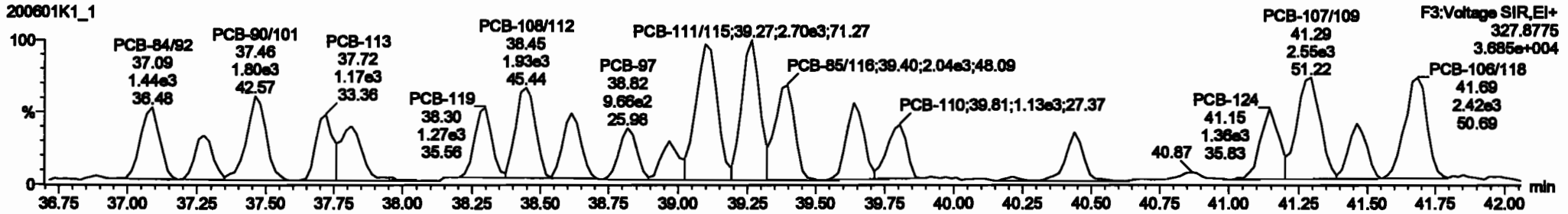
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PCB-119

200801K1\_1

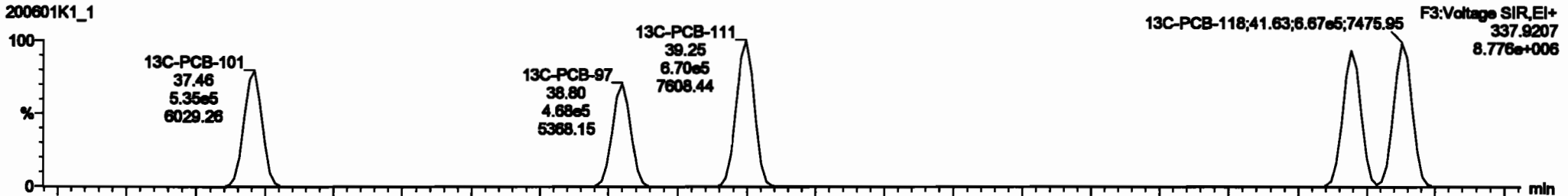


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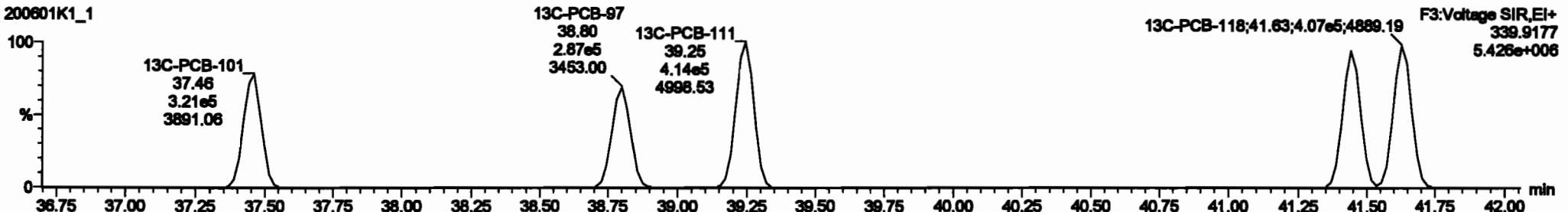


13C-PCB-111

200801K1\_1

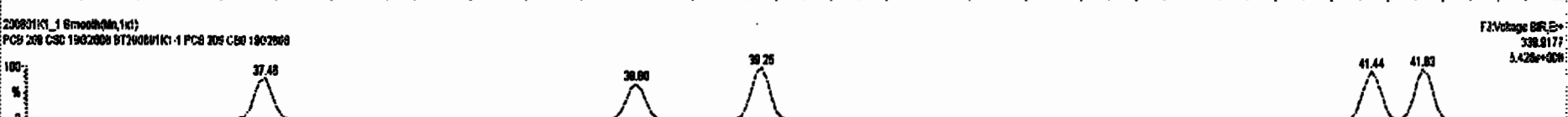
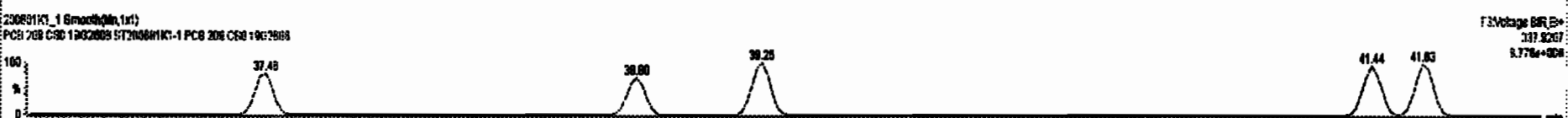
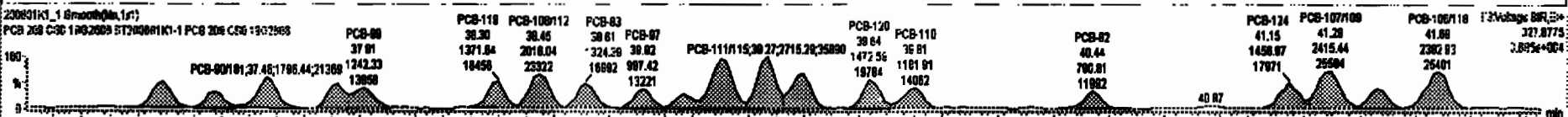
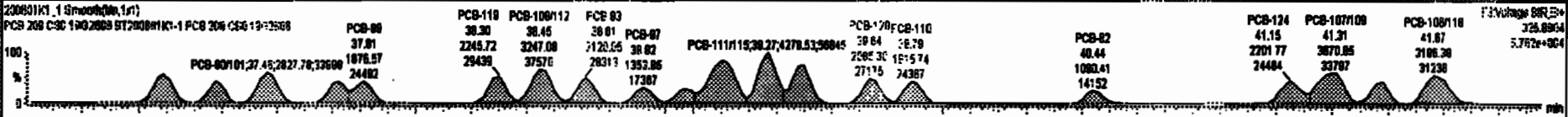


200801K1\_1



#	Name	Mass	RA	RG	RM	Volume	Height	Area	Height	Area	Height	Area	Height	Area	Height	Area
227	2nd Function T4-PCBs					0.0028	1.000	0.00	0.000	ND	3.000		0.191	3.000		
228	Total T4ns-PCBs					1.0778	1.000	0.00	0.000	ND	0.917		0.267	0.917		
229	3rd Function Para-PCBs					1.0735	1.000	0.00	0.000	ND	3.000		0.263	3.000		
230	4th Function Para-PCBs					1.0735	1.000	0.00	0.000	ND	1.140		0.0636	1.140		
231	2nd Function Haza-PCBs					0.0005	1.000	0.00	0.000	ND	3.000		0.100	3.000		
232	4th Function Haza-PCBs					1.0010	1.000	0.00	0.000	ND	0.431		0.100	0.431		
233	Total Haza-PCBs					1.0001	1.000	0.00	0.000	ND	0.500		0.225	0.500		
234	4th Function Octa-PCBs					1.0000	1.000	0.00	0.000	ND	2.100		0.0714	2.100		
235	5th Function Octa-PCBs					1.1400	1.000	0.00	0.000	ND	0.7210		0.0307	0.7210		
236	Total Haza-PCBs					0.0023	1.000	0.00	0.000	ND	0.7101		0.0023	0.7100		
237	Deca-CB					0.0004	1.000	0.00	0.000	ND	0.2000		0.0000	0.2000		
238	Total PCBs															

#	Name	Peak #	RT	Area	Height	Area	Height	Area	Height	Area	Height	Area	Height
84	PCB-104	32.48	32.47	1.500e3	1.001e3	1.500	1.37	ND	0.2000	0.2000			
85	PCB-88	33.78	33.78	1.000e3	1.022e3	1.500	1.37	ND	0.2000	0.2100			
86	PCB-103	34.30	34.33	1.000e3	1.022e3	1.500	1.05	ND	0.2000	0.2007			
87	PCB-100	34.67	34.69	1.500e3	1.133e3	1.500	1.33	ND	0.2470	0.24075			
89	PCB-84	35.10	35.17	1.352e3	0.801e3	1.500	1.07	ND	0.2570	0.25000			
89	PCB-8900102	35.67	35.66	4.531e3	2.905e3	1.500	1.52	ND	0.7040	0.70414			
70	PCB-80	36.70	36.82	1.040e3	7.300e2	1.500	1.42	ND	0.2100	0.21012			
71	PCB-8001	38.14	38.14	2.022e3	1.054e3	1.500	1.77	ND	0.4050	0.40402			
72	PCB-121	38.23	38.23	7.575e3	1.574e3	1.500	1.04	ND	0.2740	0.27302			

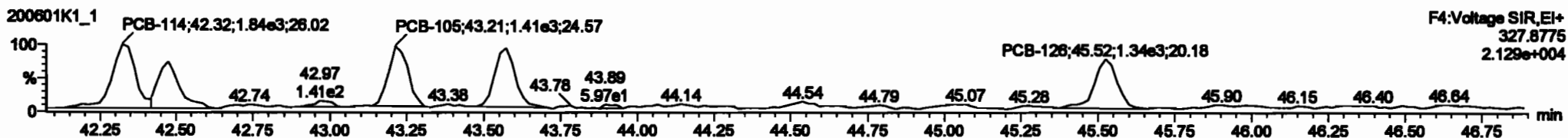
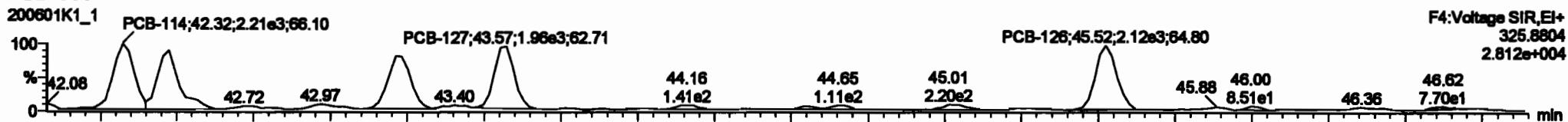


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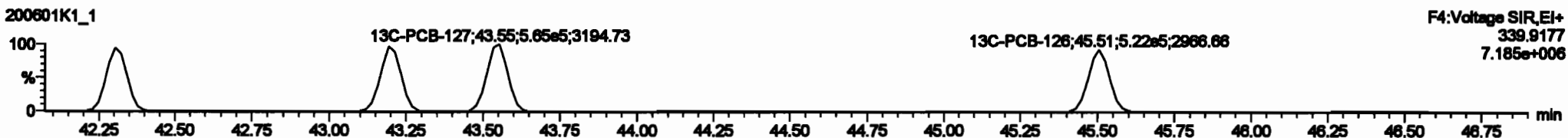
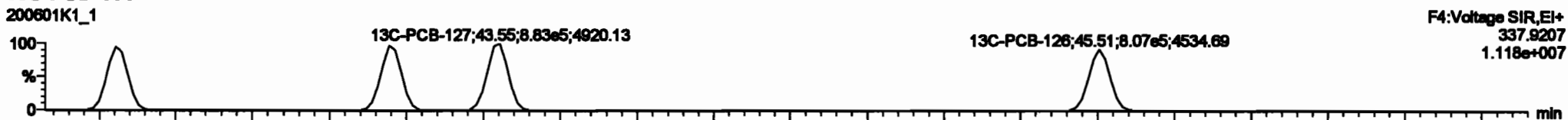
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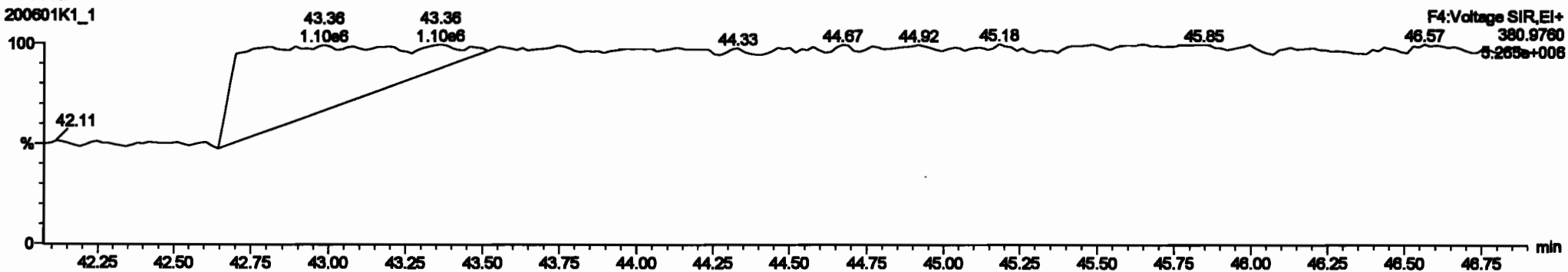
PCB-114



13C-PCB-114

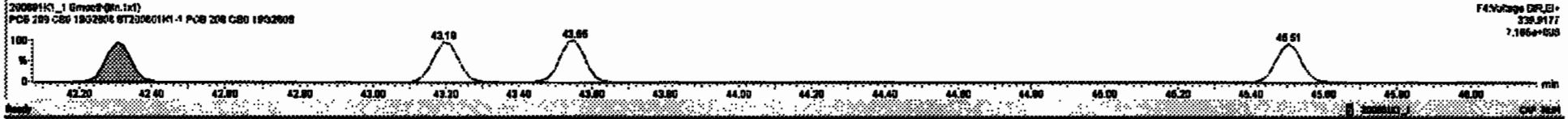
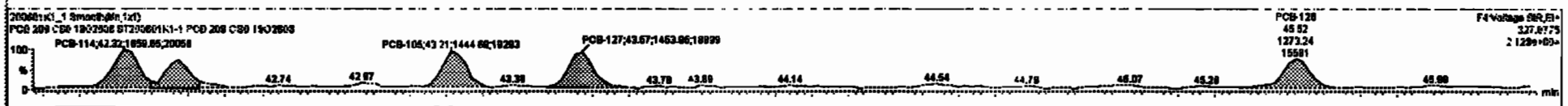
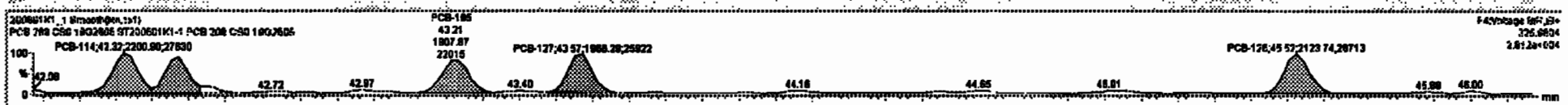


PFK4a



#	Mass	Area	HR	Wd	HT	HTSD	HT	HTSD	HT	HTSD	HT	HTSD	HT	HTSD	HT	HTSD
227	2nd Function Tri-PCBs				0.8928	1.000	0.00		0.800	NO	3.888		0.101	3.888		
228	Total Tri-PCBs				1.8778	1.000	0.00		0.800	NO	8.917		0.287	8.917		
229	2nd Function Para-PCBs				1.2157	1.000	0.00		0.800	NO	8.800		0.318	8.800		
230	Total Para-PCBs				1.2157	1.000	0.00		0.800	NO	8.800		0.318	8.800		
231	2nd Function Hexa-PCBs				0.8808	1.000	0.00		0.800	NO	3.400		0.108	3.400		
232	Total Hexa-PCBs				1.0318	1.000	0.00		0.800	NO	6.431		0.180	6.431		
233	Total Hepta-PCBs				1.2891	1.000	0.00		0.800	NO	5.880		0.228	5.880		
234	6th Function Octa-PCBs				1.0008	1.000	0.00		0.800	NO	2.108		0.6714	2.108		
235	6th Function Deca-PCBs				1.1488	1.000	0.00		0.800	NO	0.7210		0.0387	0.7210		
236	Total Mono-PCBs				0.8828	1.000	0.00		0.800	NO	0.7101		0.0228	0.7101		
237	Diene-C8				0.8804	1.000	0.00		0.800	NO	0.2088		0.0023	0.2088		
238	Total PCBs															

#	Mass	Area	HR	Wd	HT	HTSD	HT	HTSD	HT	HTSD
88	PCB-114	42.28	42.22	2.201e5	1.890e5	1.880	1.35	NO	0.21800	0.20817
89	PCB-122	42.67	42.67	1.822e5	1.138e5	1.880	1.81	NO	0.23100	0.23089
86	PCB-105	43.21	43.21	1.888e5	1.446e5	1.880	1.32	NO	0.22800	0.22776
88	PCB-127	43.57	43.57	1.888e5	1.454e5	1.880	1.38	NO	0.22300	0.22285
87	PCB-128	45.82	45.82	2.124e5	1.372e5	1.880	1.87	NO	0.21800	0.21808



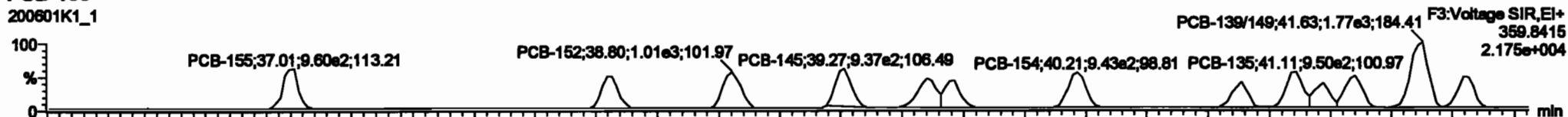
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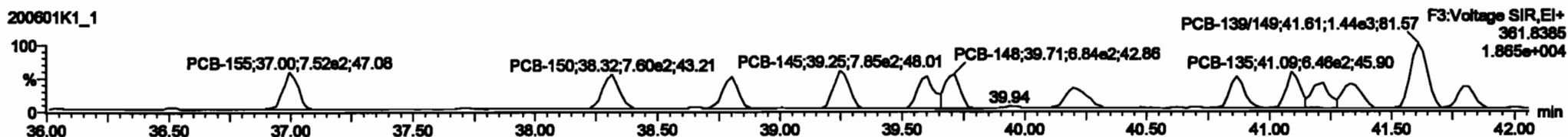
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**PCB-155**

200601K1\_1



200601K1\_1

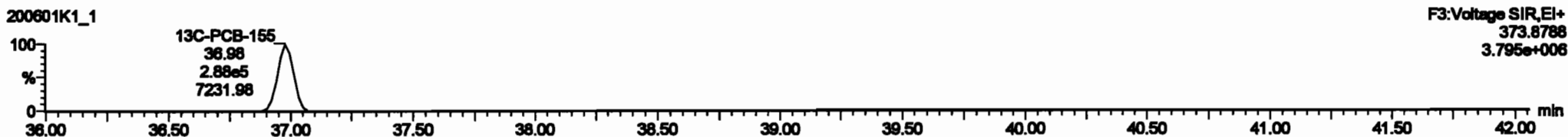


**13C-PCB-155**

200601K1\_1

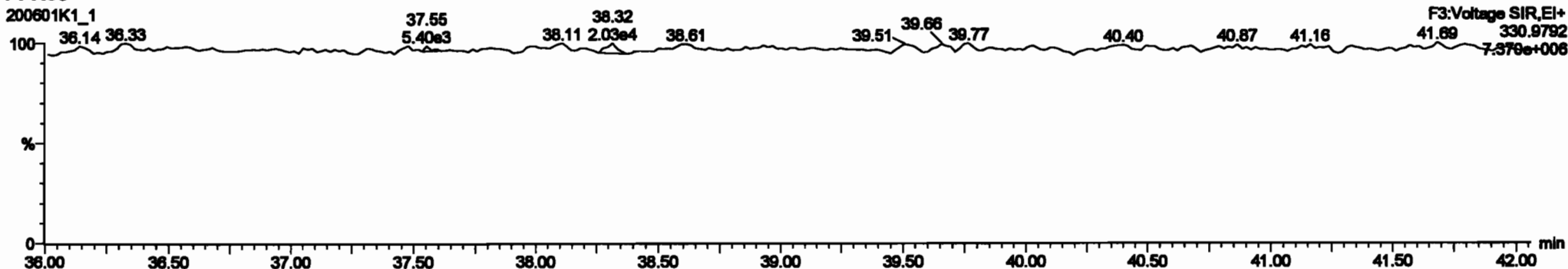


200601K1\_1



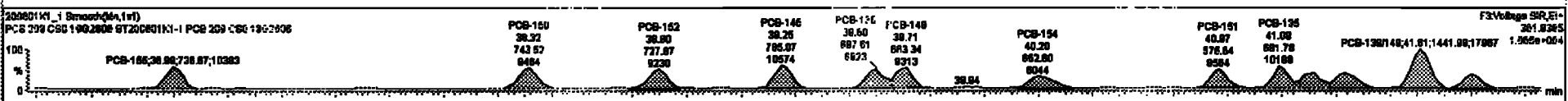
**PFK3c**

200601K1\_1



#	Phase	Mass	CA	CP	PP	CP/PP	CP/CA	CP/CP	CP/PP	CP/CA	CP/CP	CP/PP	CP/CA	CP/CP
227	2nd Function Tri-PCBs				0.8828	1.000	0.00	0.000	NO	3.888		0.181	3.888	
228	Total Tri-PCBs				1.2778	1.000	0.00	0.000	NO	8.917		0.287	8.917	
229	2nd Function Penta-PCBs				1.3187	1.000	0.00	0.000	NO	8.800		0.318	8.800	
230	4th Function Penta-PCBs				1.0735	1.000	0.00	0.000	NO	1.148		0.0538	1.148	
231	Total Penta-PCBs				2.3922	1.000	0.00	0.000	NO	9.948		0.372	9.948	
232	4th Function Hexa-PCBs				1.3318	1.000	0.00	0.000	NO	6.431		0.180	6.431	
233	Total Hexa-PCBs				1.3881	1.000	0.00	0.000	NO	6.880		0.225	6.880	
234	4th Function Octa-PCBs				1.0008	1.000	0.00	0.000	NO	2.188		0.0714	2.188	
235	6th Function Octa-PCBs				1.1488	1.000	0.00	0.000	NO	0.7210		0.0267	0.7210	
236	Total Octa-PCBs				0.8828	1.000	0.00	0.000	NO	0.7181		0.0323	0.7181	
237	Deca-Cl				0.9884	1.000	0.00	0.000	NO	0.2388		0.00828	0.2388	
238	Total PCBs													

#	Phase	Mass	CA	CP	PP	CP/PP	CP/CA	CP/CP	CP/PP	CP/CA	CP/CP	CP/PP	CP/CA	CP/CP
89	PCB-148	38.30	37.01	8.801e2	7.287e2	1.240	1.30	NO	0.24700	0.24732				
90	PCB-150	38.30	38.30	8.464e2	7.435e2	1.240	1.14	NO	0.22300	0.22310				
100	PCB-152	38.80	38.80	8.838e2	7.278e2	1.240	1.37	NO	0.22100	0.22078				
101	PCB-145	38.27	38.27	1.018e2	7.881e2	1.240	1.30	NO	0.28100	0.28080				
102	PCB-136	38.80	38.80	8.158e2	8.878e2	1.240	1.18	NO	0.22400	0.22404				
103	PCB-148	38.71	38.71	7.081e2	8.838e2	1.240	1.05	NO	0.24800	0.24844				
104	PCB-154	40.21	40.22	8.078e2	8.528e2	1.240	1.38	NO	0.25800	0.25830				
105	PCB-151	40.88	40.88	8.188e2	8.738e2	1.240	1.07	NO	0.28100	0.28088				
106	PCB-136	41.11	41.11	8.348e2	8.918e2	1.240	1.38	NO	0.28800	0.28828				



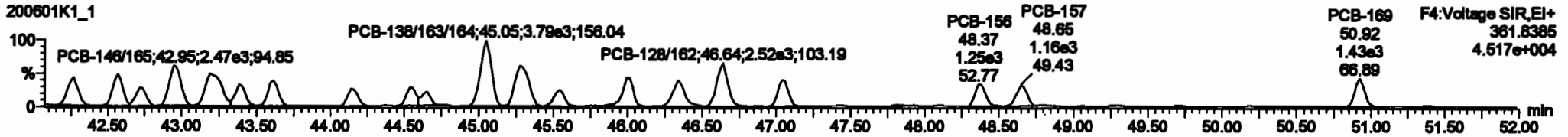
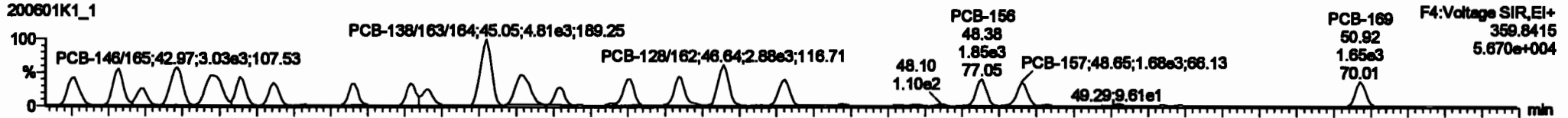
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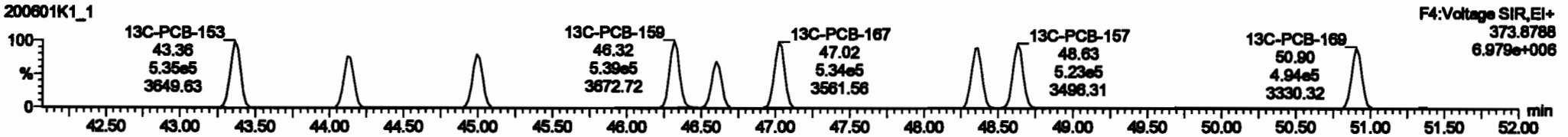
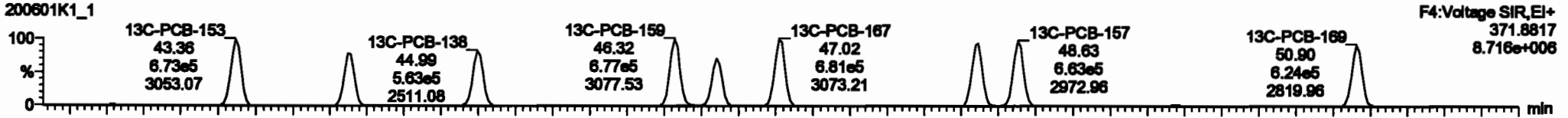
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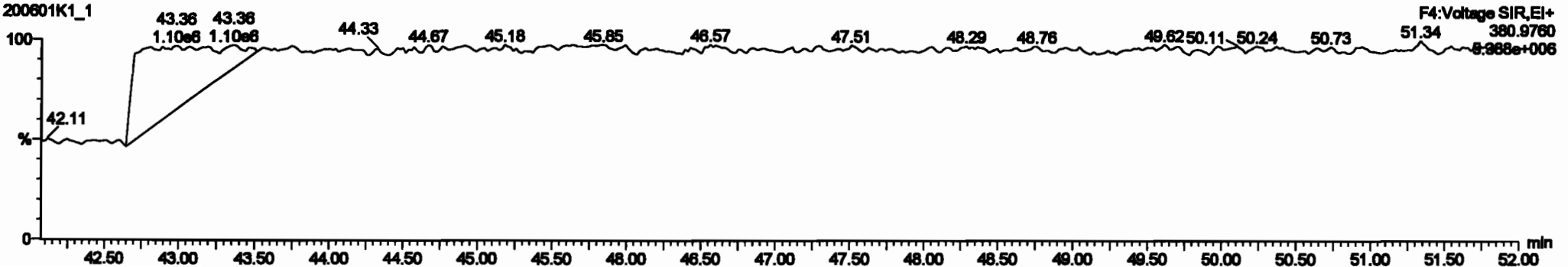
PCB-134/143



13C-PCB-153



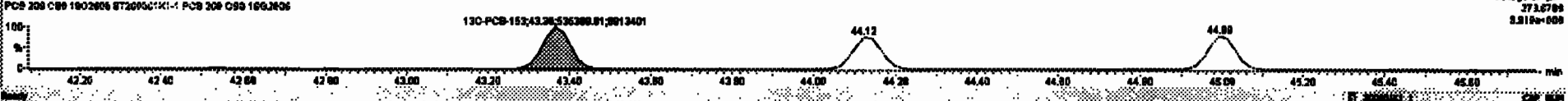
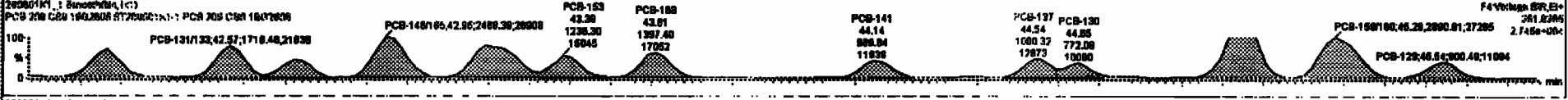
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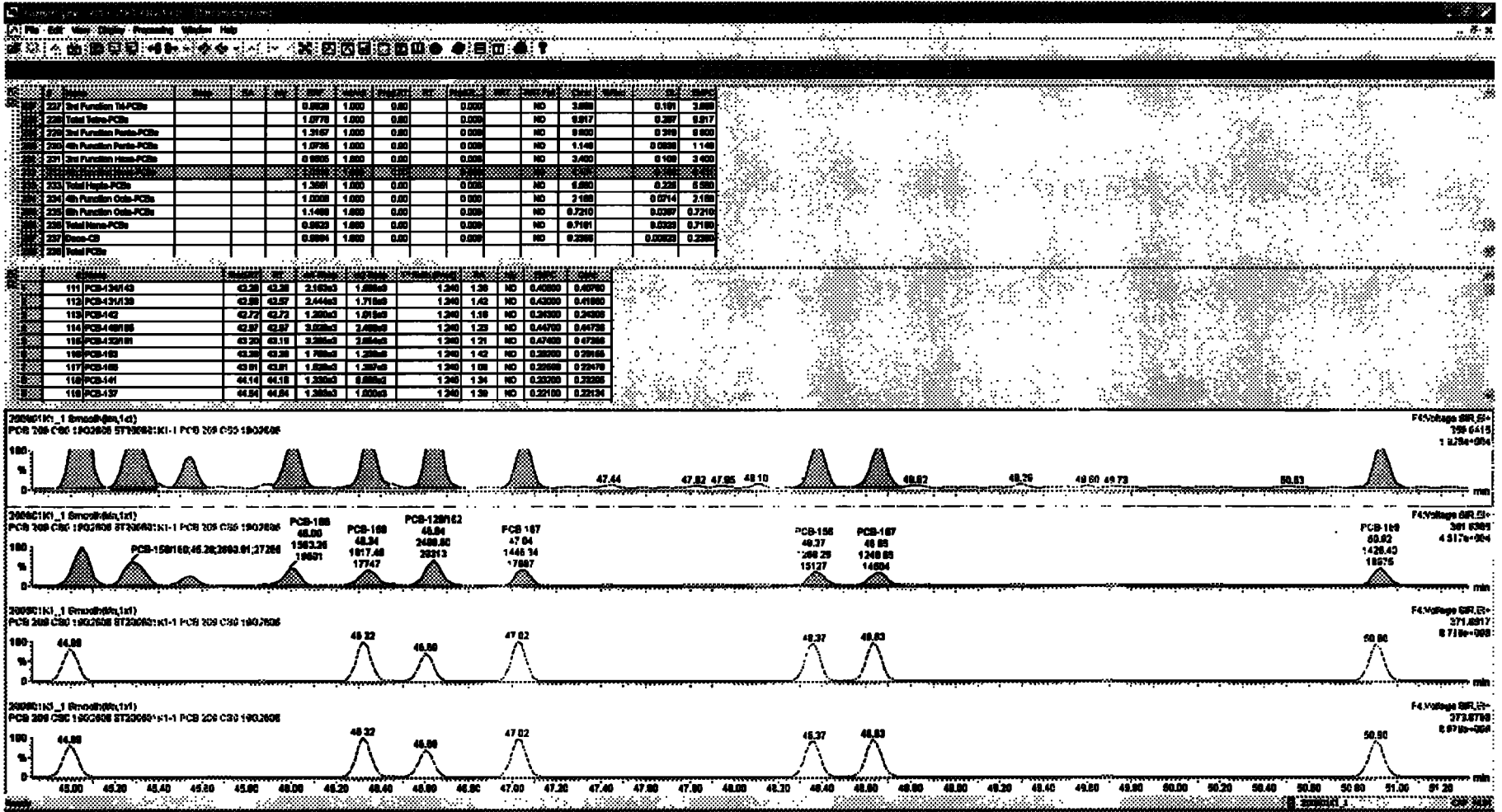




PCB	Function	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt
227	3rd Function In-PCBs			0.8928	1.000	0.00	0.000	NO	3.888	0.191	3.888							
228	Total In-PCBs			1.0778	1.000	0.00	0.000	NO	8.917	0.287	8.917							
229	3rd Function Para-PCBs			1.2187	1.000	0.00	0.000	NO	8.800	0.218	8.800							
230	6th Function Para-PCBs			1.0728	1.000	0.00	0.000	NO	1.148	0.088	1.148							
231	3rd Function Meta-PCBs			0.8928	1.000	0.00	0.000	NO	3.480	0.108	3.480							
232	6th Function Meta-PCBs			1.0728	1.000	0.00	0.000	NO	3.480	0.108	3.480							
233	Total Para-PCBs			1.2915	1.000	0.00	0.000	NO	5.980	0.225	5.980							
234	6th Function Odo-PCBs			1.0000	1.000	0.00	0.000	NO	2.188	0.9714	2.188							
235	3rd Function Odo-PCBs			1.1488	1.000	0.00	0.000	NO	0.7210	0.0887	0.7210							
236	Total Meta-PCBs			0.9823	1.000	0.00	0.000	NO	0.7181	0.0323	0.7181							
237	Dose-CD			0.8894	1.000	0.00	0.000	NO	0.2888	0.0823	0.2888							
238	Total PCBs																	

PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt
111	PCB-134/43	43.28	43.28	2.1520	1.0000	1.240	1.28	NO	0.4080	0.4078							
112	PCB-138/33	43.88	43.87	2.4440	1.7180	1.240	1.43	NO	0.4300	0.4188							
113	PCB-142	43.72	43.72	1.2080	1.0180	1.240	1.18	NO	0.2400	0.2488							
114	PCB-148/85	43.87	43.87	3.0280	2.4880	1.240	1.28	NO	0.4478	0.4478							
115	PCB-152/81	43.38	43.18	3.2080	2.8840	1.240	1.21	NO	0.4788	0.4788							
116	PCB-158	43.38	43.38	1.7880	1.2380	1.240	1.43	NO	0.2288	0.2288							
117	PCB-168	43.81	43.81	1.2880	1.3880	1.240	1.88	NO	0.2288	0.2288							
118	PCB-141	44.14	44.14	1.2380	0.8880	1.240	1.24	NO	0.2288	0.2288							
119	PCB-137	44.84	44.84	1.2880	1.0080	1.240	1.28	NO	0.2288	0.2288							





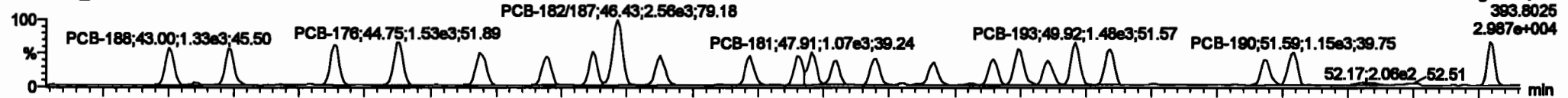
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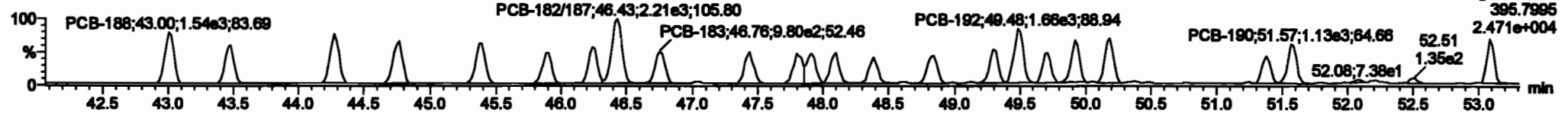
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PCB-188

200601K1\_1

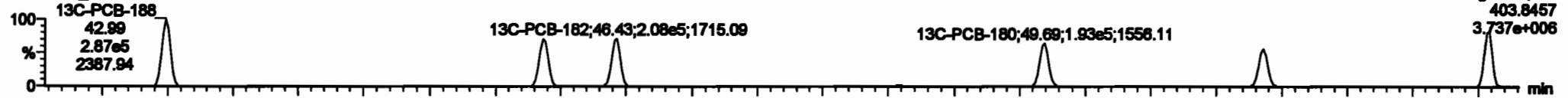


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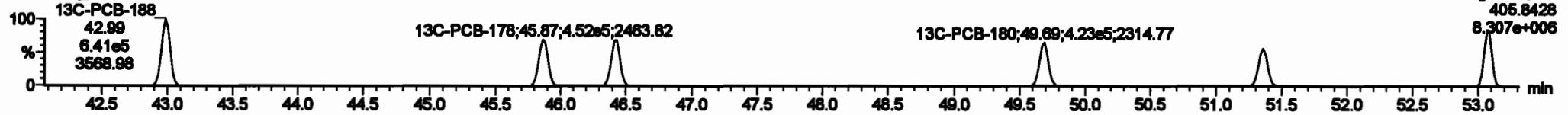


13C-PCB-188

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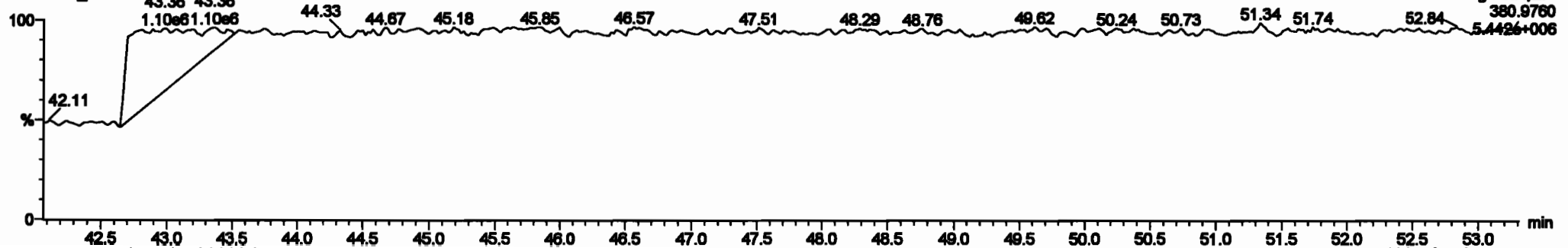


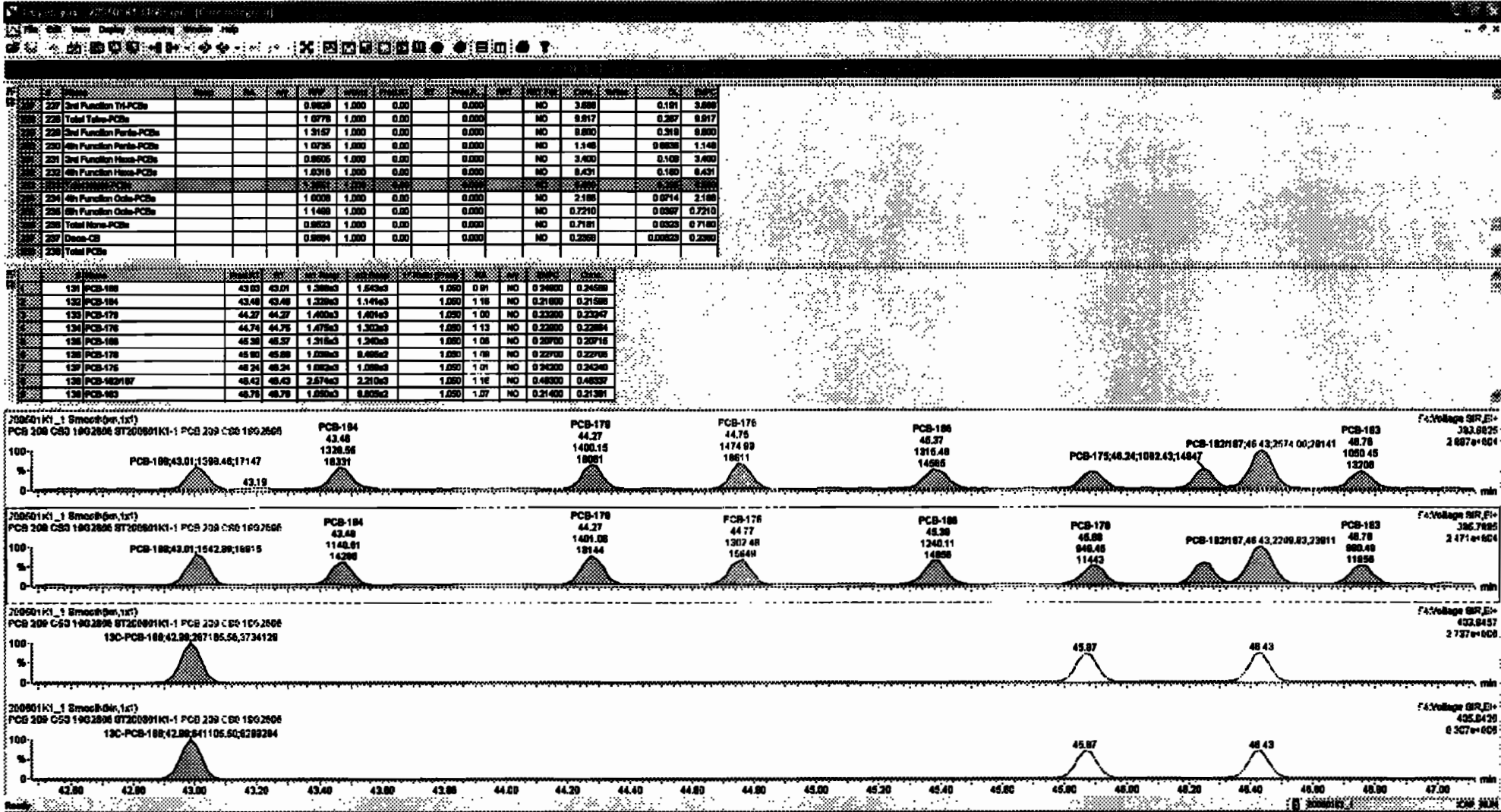
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PFK4c

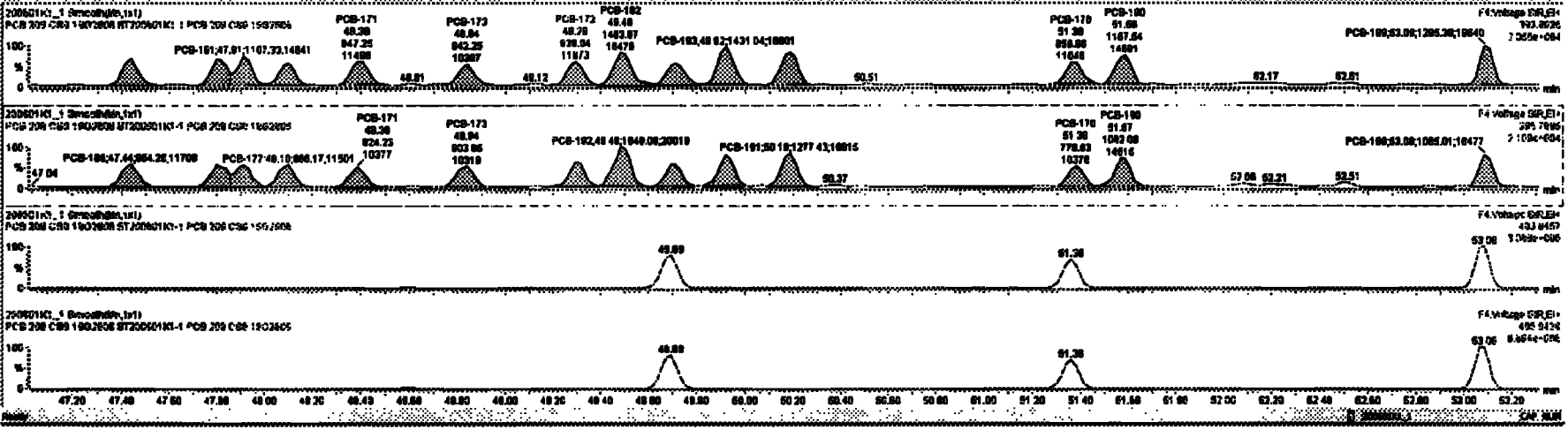
200601K1\_1





Name	Mass	Vol	Area	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield
237 Shell Function Tru-PCBs			0.9828	1.000	0.00	0.000	NO	3.880		0.191	3.680			
238 Total Tetr-PCBs			1.0770	1.000	0.00	0.000	NO	8.017		0.287	8.017			
239 Shell Function Penta-PCBs			1.3167	1.000	0.00	0.000	NO	8.800		0.310	8.800			
240 4th Function Penta-PCBs			1.0728	1.000	0.00	0.000	NO	1.148		0.0236	1.148			
241 Shell Function Hexa-PCBs			0.8805	1.000	0.00	0.000	NO	3.400		0.180	3.400			
242 4th Function Hexa-PCBs			1.0918	1.000	0.00	0.000	NO	6.491		0.180	6.491			
243 Total Hexa-PCBs			1.9733	1.000	0.00	0.000	NO	9.891		0.360	9.891			
244 4th Function Octa-PCBs			1.0000	1.000	0.00	0.000	NO	2.180		0.0714	2.180			
245 6th Function Octa-PCBs			1.1480	1.000	0.00	0.000	NO	0.7210		0.0287	0.7210			
246 Total Octa-PCBs			0.8823	1.000	0.00	0.000	NO	0.7181		0.0233	0.7181			
247 Total PCBs			0.8884	1.000	0.00	0.000	NO	0.2380		0.0020	0.2380			

Name	Mass	Vol	Area	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield
131 PCB-169	43.83	43.81	1.380e3	1.543e3	1.000	0.81	NO	0.24800	0.24800				
132 PCB-164	43.48	43.48	1.328e3	1.514e3	1.000	1.18	NO	0.21800	0.21800				
133 PCB-178	44.27	44.27	1.400e3	1.409e3	1.000	1.88	NO	0.28200	0.27847				
134 PCB-175	44.74	44.75	1.478e3	1.203e3	1.000	1.13	NO	0.22800	0.22884				
135 PCB-168	45.28	45.37	1.318e3	1.248e3	1.000	1.88	NO	0.20700	0.20718				
136 PCB-176	45.80	45.80	1.088e3	0.808e3	1.000	1.88	NO	0.20700	0.22708				
137 PCB-175	46.24	46.24	1.382e3	1.288e3	1.000	1.81	NO	0.24200	0.24240				
138 PCB-162/87	48.43	48.43	2.874e3	2.218e3	1.000	1.18	NO	0.48200	0.48287				
139 PCB-163	48.78	48.78	1.582e3	0.825e3	1.000	1.87	NO	0.21400	0.21381				



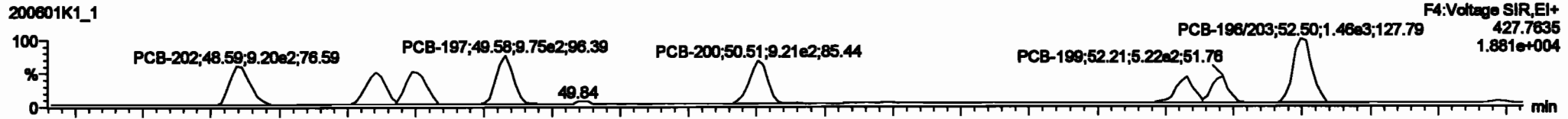
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

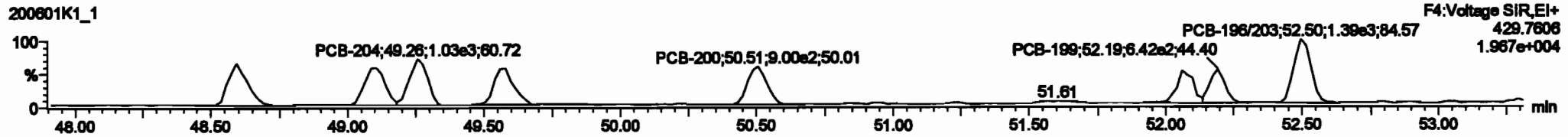
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PCB-202

200601K1\_1

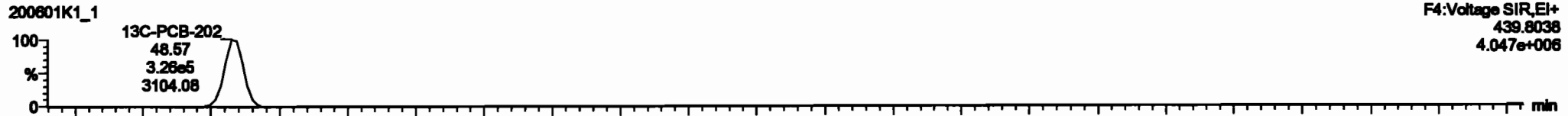


200601K1\_1

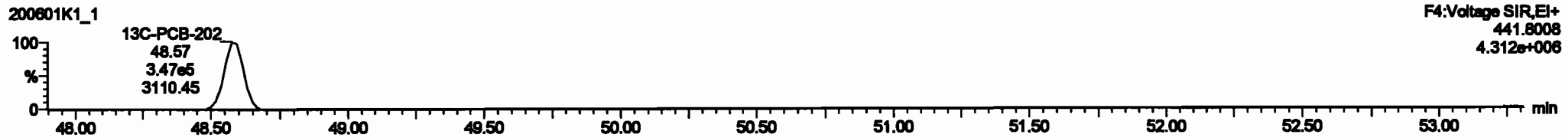


13C-PCB-202

200601K1\_1

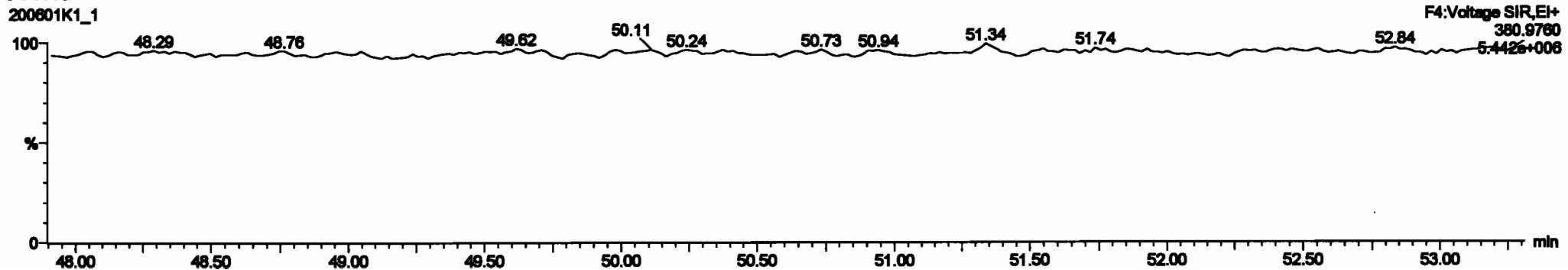


200601K1\_1



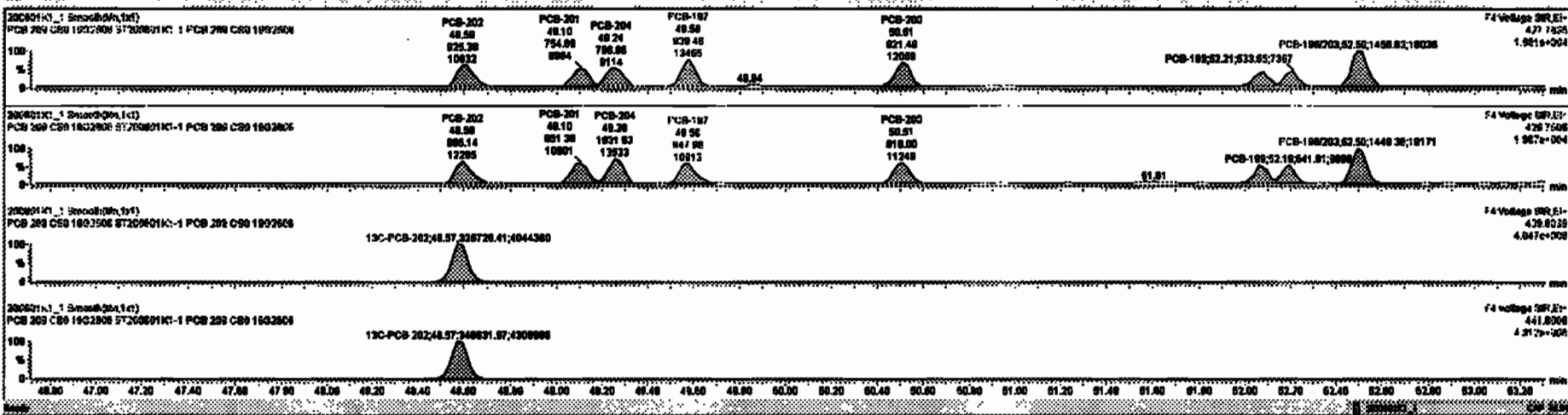
PFK4d

200601K1\_1



Item	QTY	UNIT	PRICE	TOTAL	AMOUNT	TAX	NET	TOTAL	TAX	TOTAL
227 3rd Function Tr-PCBs			0.0000	1.000	0.00	0.000	NO	3.000	0.181	3.000
228 Total Trns-PCBs			1.0770	1.000	0.00	0.000	NO	0.917	0.267	0.917
229 3rd Function Parts-PCBs			1.2107	1.000	0.00	0.000	NO	0.800	0.218	0.800
230 4th Function Parts-PCBs			1.2735	1.000	0.00	0.000	NO	1.148	0.026	1.148
231 3rd Function Hous-PCBs			0.8885	1.000	0.00	0.000	NO	3.400	0.108	3.400
232 4th Function Hous-PCBs			1.8910	1.000	0.00	0.000	NO	0.431	0.180	0.431
233 Total Hous-PCBs			1.3891	1.000	0.00	0.000	NO	0.880	0.225	0.880
234 5th Function Ods-PCBs			1.1488	1.000	0.00	0.000	NO	0.7210	0.0287	0.7210
235 Total Memp-PCBs			0.8823	1.000	0.00	0.000	NO	0.7181	0.0223	0.7181
237 Dues-CD			0.8884	1.000	0.00	0.000	NO	0.2888	0.0000	0.2888
238 Total PCBs										

Item	QTY	UNIT	PRICE	TOTAL	AMOUNT	TAX	NET	TOTAL	TAX	TOTAL
184 PCB-202	48.81	48.80	0.264e2	0.891e2	0.890	0.89	NO	0.24500	0.24480	
185 PCB-201	48.80	48.10	7.847e2	0.314e2	0.890	0.78	NO	0.24100	0.24103	
186 PCB-204	48.24	48.24	7.888e2	1.232e2	0.890	0.77	NO	0.23800	0.23841	
187 PCB-197	48.80	48.80	0.388e2	0.480e2	0.890	0.89	NO	0.24800	0.24784	
188 PCB-200	80.48	80.81	0.218e2	0.180e2	0.890	1.80	NO	0.28800	0.28875	
189 PCB-188	82.08	82.08	1.483e2	0.728e2	0.890	0.81	NO	0.22800	0.22888	
190 PCB-189	82.17	82.21	0.208e2	0.418e2	0.890	0.89	NO	0.21800	0.21804	
481 PCB-188-000	82.08	82.88	1.483e2	1.488e2	0.890	1.80	NO	0.81800	0.81884	



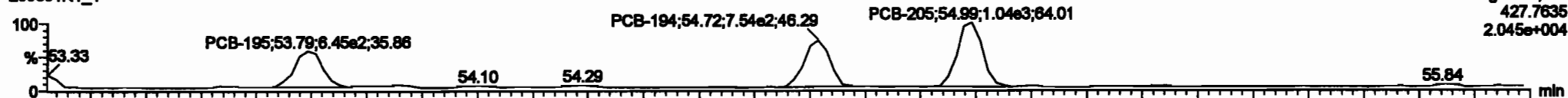
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

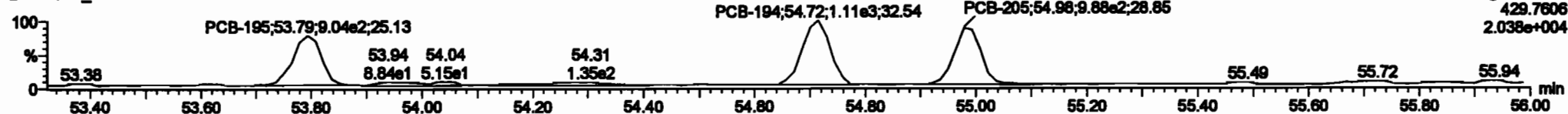
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**PCB-195**

200601K1\_1

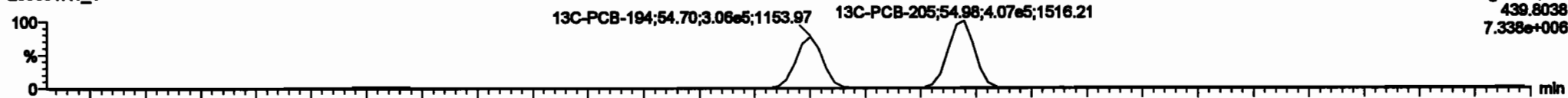


200601K1\_1

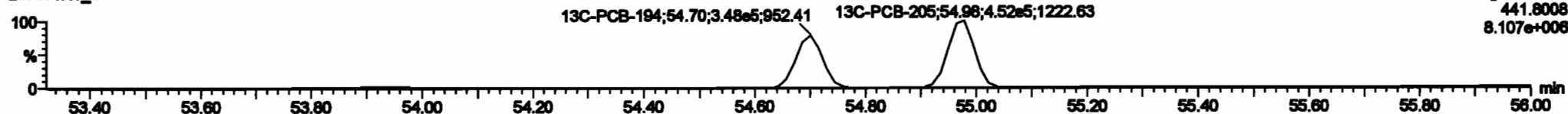


**13C-PCB-194**

200601K1\_1

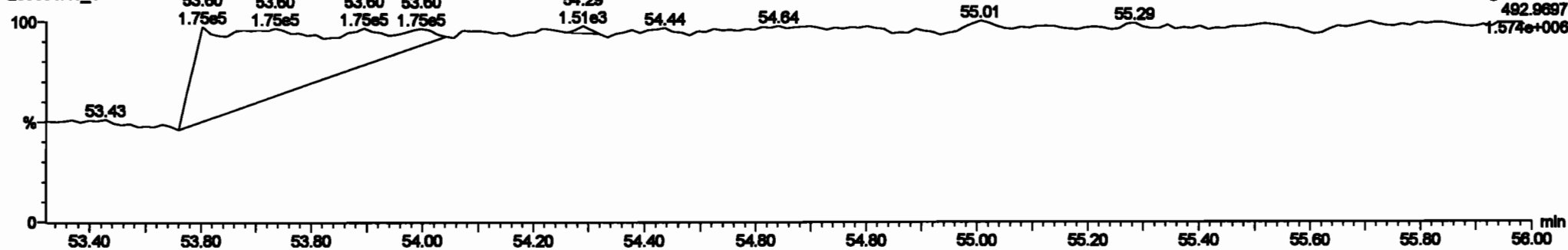


200601K1\_1



**PFK5a**

200601K1\_1







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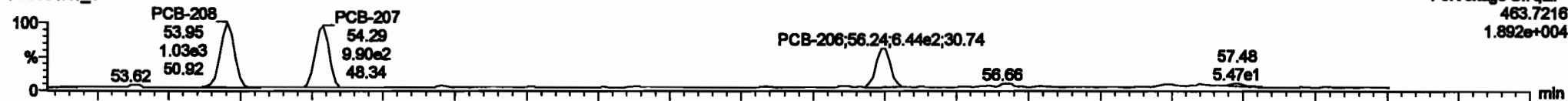
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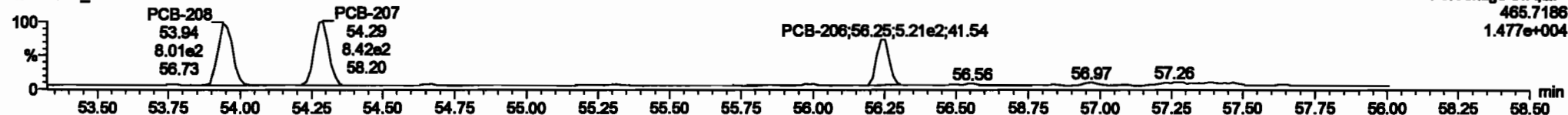
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**PCB-208**

200601K1\_1

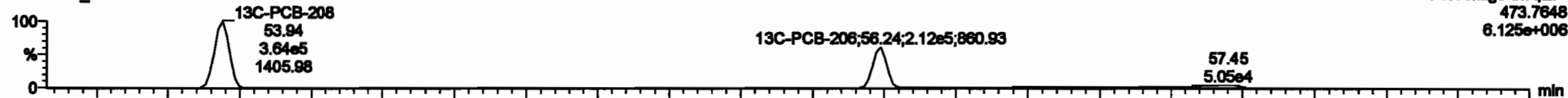


200601K1\_1

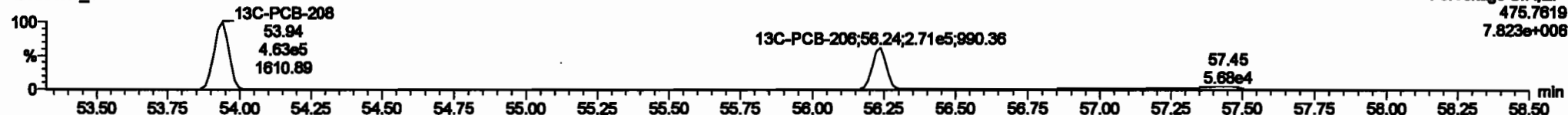


**13C-PCB-208**

200601K1\_1

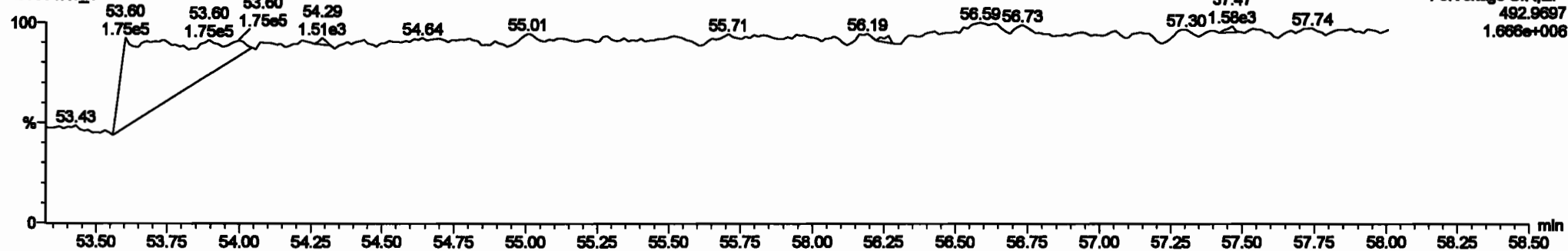


200601K1\_1



**PFK5**

200601K1\_1



Dataset: Untitled

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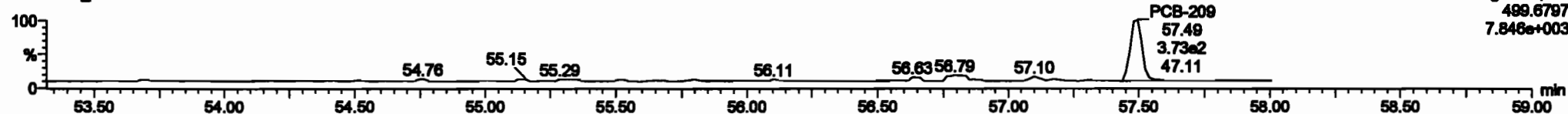
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**PCB-209**

200601K1\_1

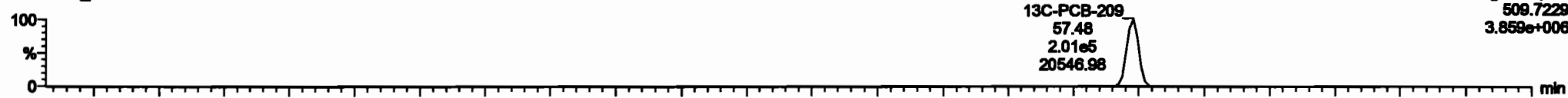


200601K1\_1

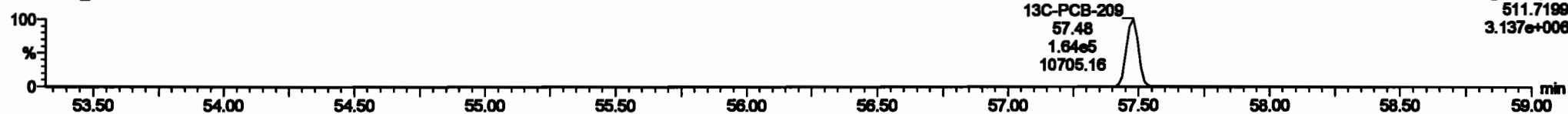


**13C-PCB-209**

200601K1\_1

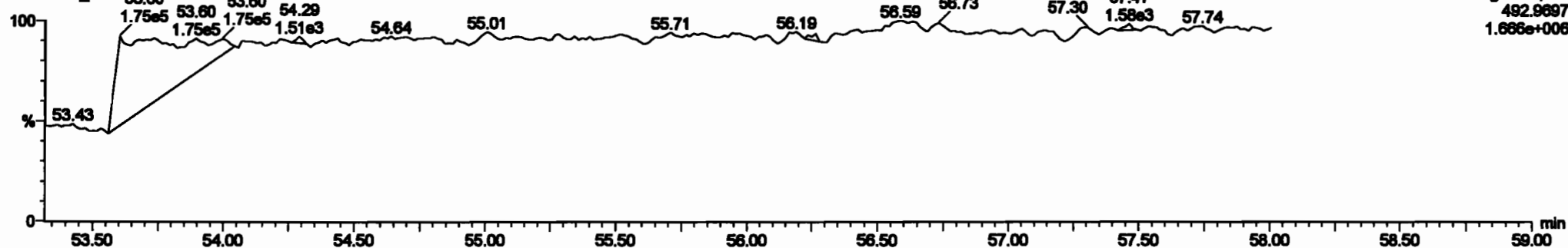


200601K1\_1



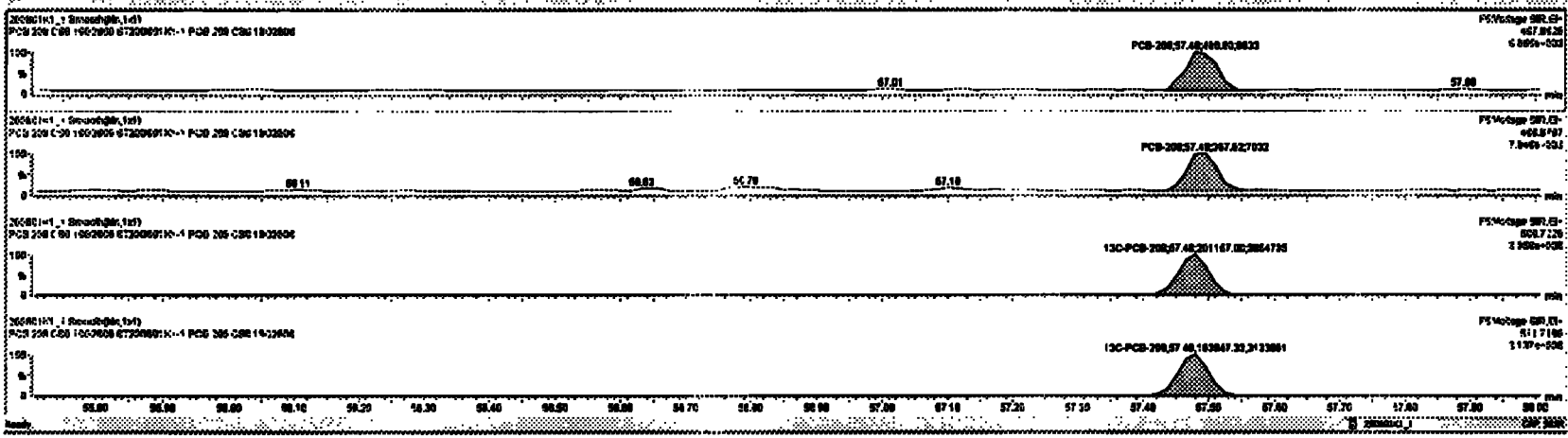
**PFK5b**

200601K1\_1



Item	Material	Quantity	Unit Price	Total Price	Material	Quantity	Unit Price	Total Price	Material	Quantity	Unit Price	Total Price
227	2nd Purition 1st-PCBs											
228	Total 1st-PCBs											
229	2nd Purition 2nd-PCBs											
230	4th Purition 1st-PCBs											
231	2nd Purition 1st-PCBs											
232	4th Purition 1st-PCBs											
233	Total 1st-PCBs											
234	4th Purition 1st-PCBs											
235	2nd Purition 1st-PCBs											
236	4th Purition 1st-PCBs											
237	Total 1st-PCBs											
238	Total 1st-PCBs											

PCB-208	67.48	67.48	4.88e-02	3.27e-02	1.770	1.21	ND	0.20000	0.20000
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Dataset: Untitled

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

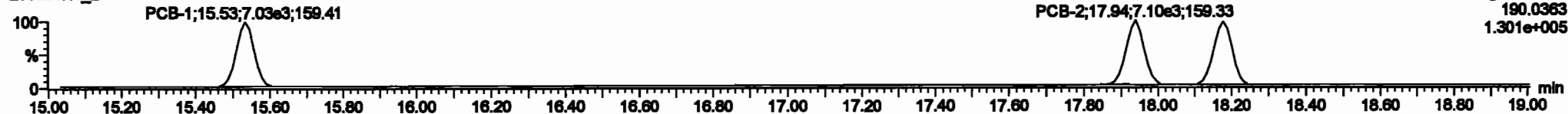
**PCB-1**

200601K1\_2



F1:Voltage SIR,EI+  
188.0393  
3.917e+005

200601K1\_2



F1:Voltage SIR,EI+  
190.0363  
1.301e+005

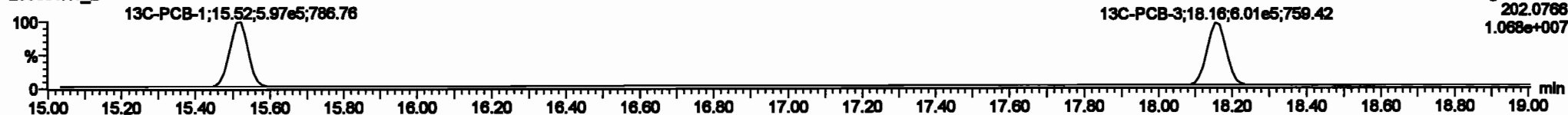
**13C-PCB-1**

200601K1\_2



F1:Voltage SIR,EI+  
200.0795  
3.329e+007

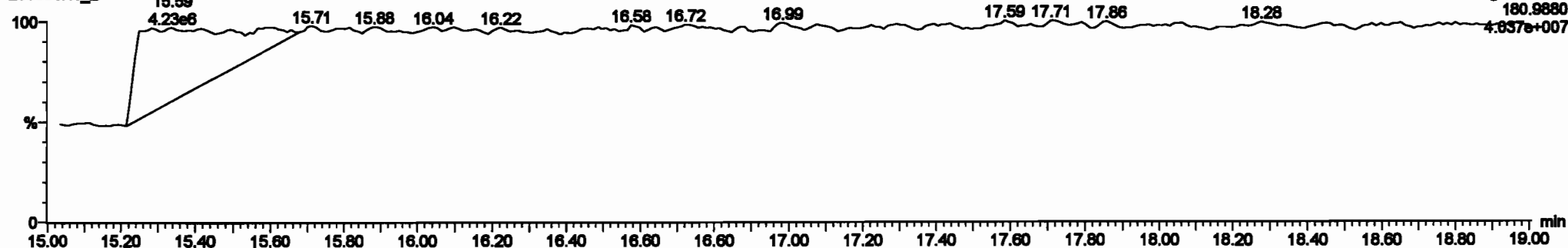
200601K1\_2



F1:Voltage SIR,EI+  
202.0766  
1.068e+007

**PFK1**

200601K1\_2



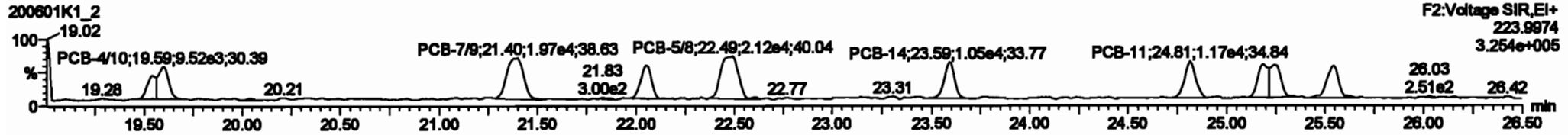
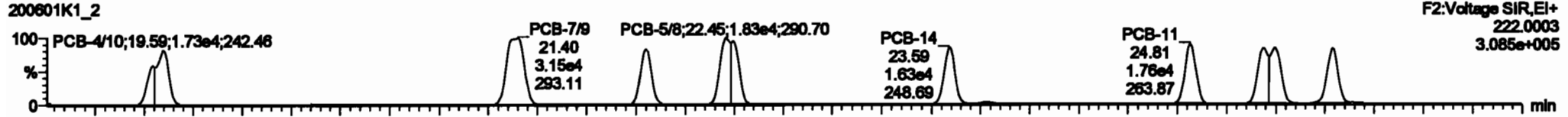
F1:Voltage SIR,EI+  
180.9880  
4.637e+007

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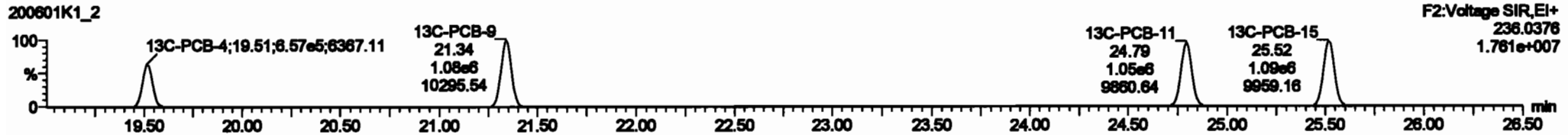
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Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

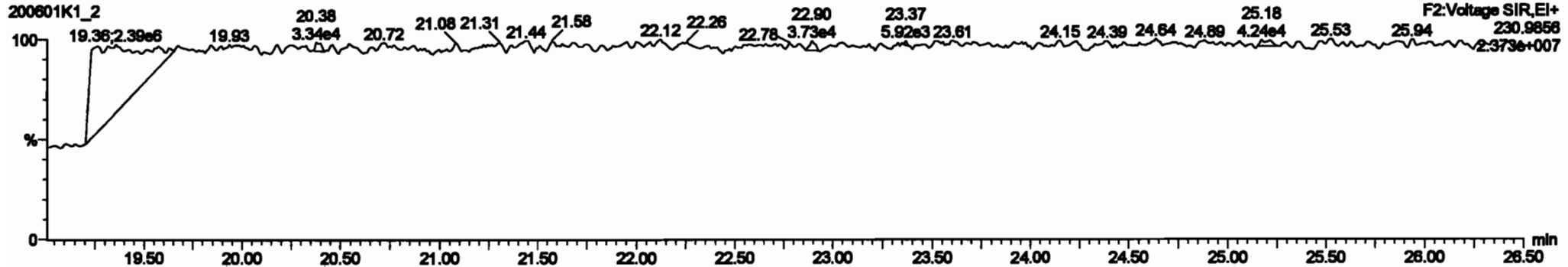
PCB-4/10



13C-PCB-4

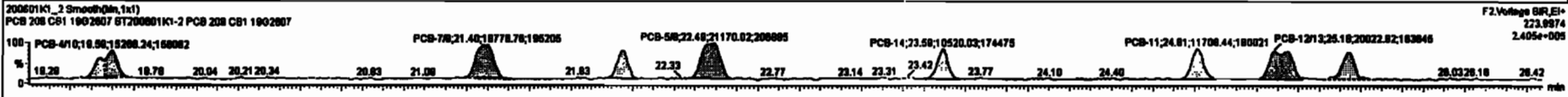
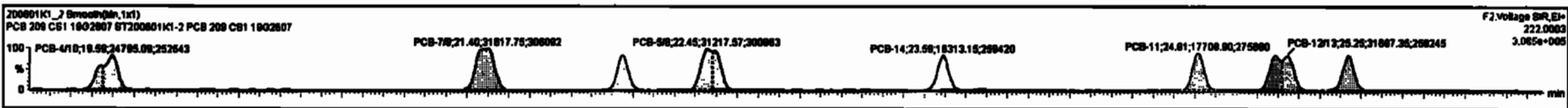


PFK2a



#	Name	Range	RA	Qty	Unit	ProdRate	WT	ProdRate	WT	ProdRate	WT	ProdRate	WT	ProdRate	WT	ProdRate	WT	ProdRate	WT
223	13C-PCB-178	7.18e6	0.45	NO	1.0000	1.000	46.87	46.87	0.823	0.823	NO	104.2	104	0.8272					
224	Total Mono-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	2.884		0.0206	2.884				
225	Total PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	107.084		0.8478	110.284				
226	2nd Function TH-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	7.832		0.0852	7.832				
227	2nd Function TH-PCBs				0.8828	1.000	0.00	0.000	0.000	0.000	NO	15.71		0.201	15.71				
228	Total Yolo-PCBs				1.0776	1.000	0.00	0.000	0.000	0.000	NO	40.38		0.382	40.38				
229	2nd Function Para-PCBs				1.3187	1.000	0.00	0.000	0.000	0.000	NO	38.87		0.870	38.87				
230	4th Function Para-PCBs				1.0736	1.000	0.00	0.000	0.000	0.000	NO	4.785		0.0713	4.785				
231	2nd Function Hesa-PCBs				0.8828	1.000	0.00	0.000	0.000	0.000	NO	13.32		0.120	13.32				
232	4th Function Hesa-PCBs				1.0316	1.000	0.00	0.000	0.000	0.000	NO	28.45		0.382	28.45				
233	Total Hesa-PCBs				1.3891	1.000	0.00	0.000	0.000	0.000	NO	23.19		0.230	23.19				
234	4th Function Octa-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	0.215		0.0785	0.215				

#	Name	ProdRate	WT	est Range	est Range	* Ratio (Prod)	RA	Qty	Unit	ProdRate	WT	ProdRate	WT
1	4 PCB-478	18.80	18.80	2.480e4	1.527e4	1.580	1.82	NO	1.8710	1.8710			
2	6 PCB-78	21.40	21.40	3.162e4	1.878e4	1.580	1.80	NO	1.8880	1.8880			
3	8 PCB-8	22.08	22.08	1.817e4	1.806e4	1.580	1.81	NO	0.82800	0.82812			
4	7 PCB-64	22.48	22.48	3.122e4	2.117e4	1.580	1.40	NO	1.8070	1.8088			
5	8 PCB-14	23.80	23.80	1.821e4	1.852e4	1.580	1.58	NO	0.87700	0.87678			
6	9 PCB-11	24.81	24.81	1.771e4	1.171e4	1.580	1.81	NO	0.88700	0.88713			
7	10 PCB-13/13	25.25	25.25	3.170e4	2.002e4	1.580	1.58	NO	1.8880	1.8885			
8	11 PCB-15	26.80	26.80	1.820e4	1.021e4	1.580	1.88	NO	0.88400	0.88281			



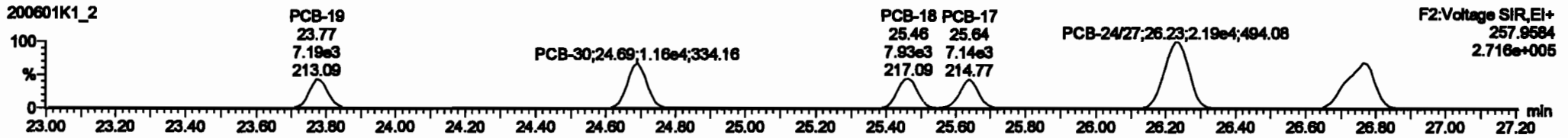
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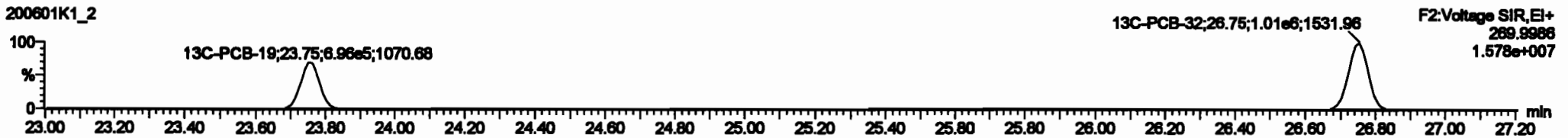
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Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

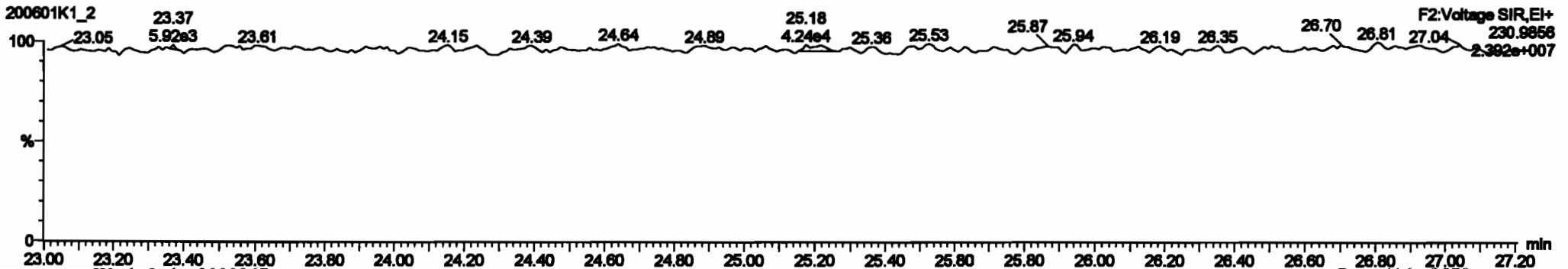
**PCB-19**



**13C-PCB-19**



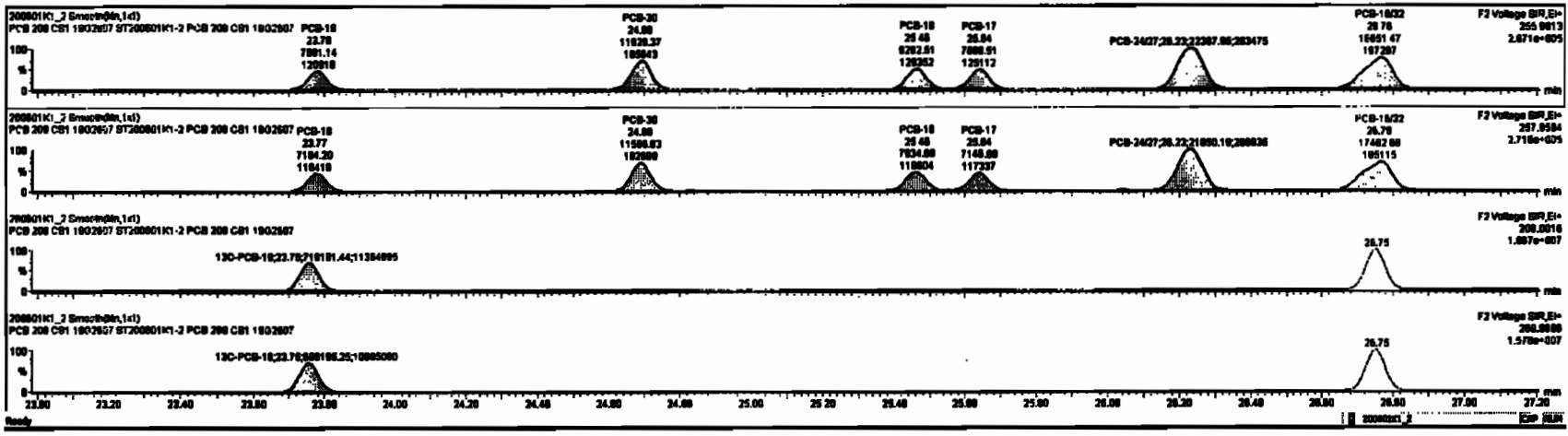
**PFK2b**





#	Name	Step	RA	RY	RFY	Wt/Step	Wt/Part	WT	Prod.R.	BYT	BYT Pct	Comp.	Wt/In	..	..	..
223	13C-PCB-178	7.50wt	0.48	ND	1.0000	1.000	46.87	0.023	0.023	ND	104.2	104	0.0072			
224	Total Mono-PCBs				1.0000	1.000	0.000	0.000	0.000	ND	2.854		0.0000	2.854		
225	Total Di-PCBs				1.0000	1.000	0.000	0.000	0.000	ND	11.30		0.0277	11.30		
226	Total Tri-PCBs				1.0000	1.000	0.000	0.000	0.000	ND	0.000		0.0000	0.000		
227	2nd Purifion Tri-PCBs				0.0000	1.000	0.000	0.000	0.000	ND	10.71		0.201	10.71		
228	Total Mono-PCBs				1.0000	1.000	0.000	0.000	0.000	ND	40.20		0.302	40.20		
229	2nd Purifion Mono-PCBs				1.0000	1.000	0.000	0.000	0.000	ND	30.67		0.070	30.67		
230	4th Purifion Mono-PCBs				1.0000	1.000	0.000	0.000	0.000	ND	4.78		0.0713	4.78		
231	2nd Purifion Hemo-PCBs				0.0000	1.000	0.000	0.000	0.000	ND	13.33		0.120	13.33		
232	4th Purifion Hemo-PCBs				1.0000	1.000	0.000	0.000	0.000	ND	20.48		0.263	20.48		
233	Total Hemo-PCBs				1.0000	1.000	0.000	0.000	0.000	ND	25.16		0.258	25.16		
234	4th Purifion Octa-PCBs				1.0000	1.000	0.000	0.000	0.000	ND	0.215		0.0000	0.215		

#	Name	Prod.R.	BY	Wt/Step	Wt/Part	WT	Prod.Pct	WT	BYT	BYT Pct	Comp.
1	13 PCB-18	23.79	23.79	7.00wt	7.10wt	1.000	1.00	ND	0.0000	0.0000	0.0000
2	13 PCB-30	24.80	24.80	1.10wt	1.10wt	1.000	1.00	ND	0.0000	0.0000	0.0000
3	14 PCB-18	26.48	26.48	0.20wt	7.00wt	1.000	1.00	ND	0.0000	0.0000	0.0000
4	15 PCB-17	26.84	26.84	7.00wt	7.50wt	1.000	1.00	ND	0.0000	0.0000	0.0000
5	16 PCB-3407	28.20	28.20	2.50wt	2.50wt	1.000	1.00	ND	1.0000	1.0000	1.0000
6	17 PCB-1802	28.77	28.77	1.00wt	1.70wt	1.000	1.00	ND	1.0000	1.0000	1.0000

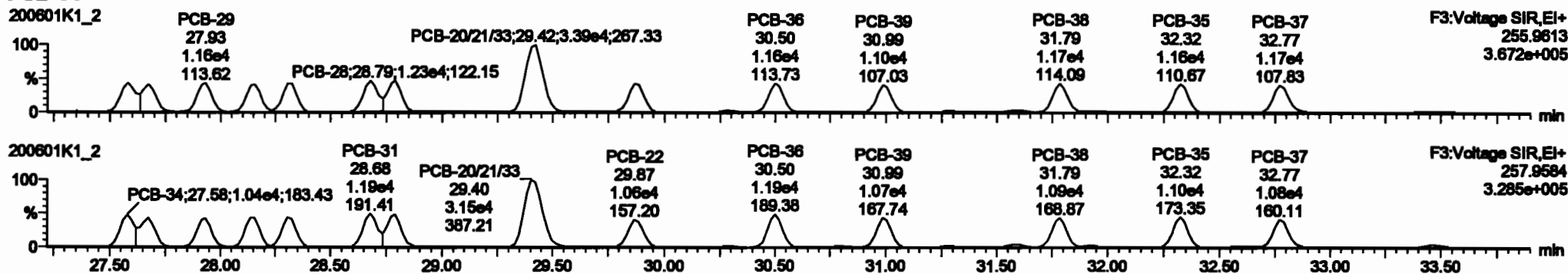


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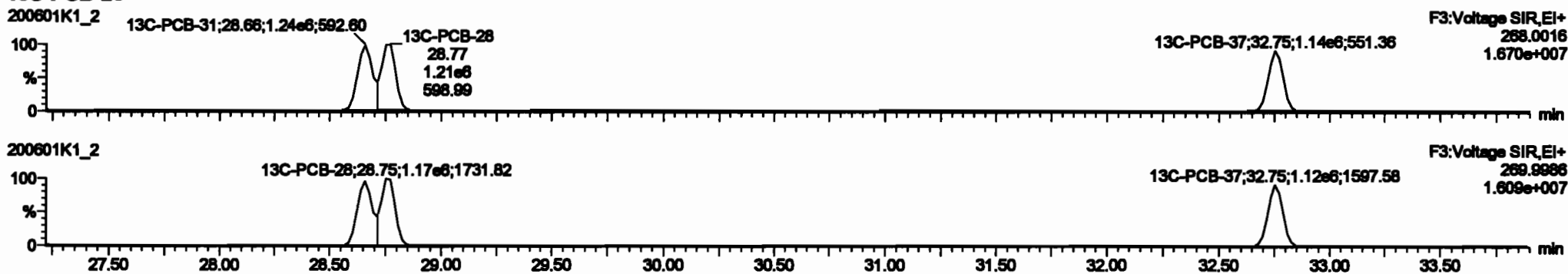
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Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

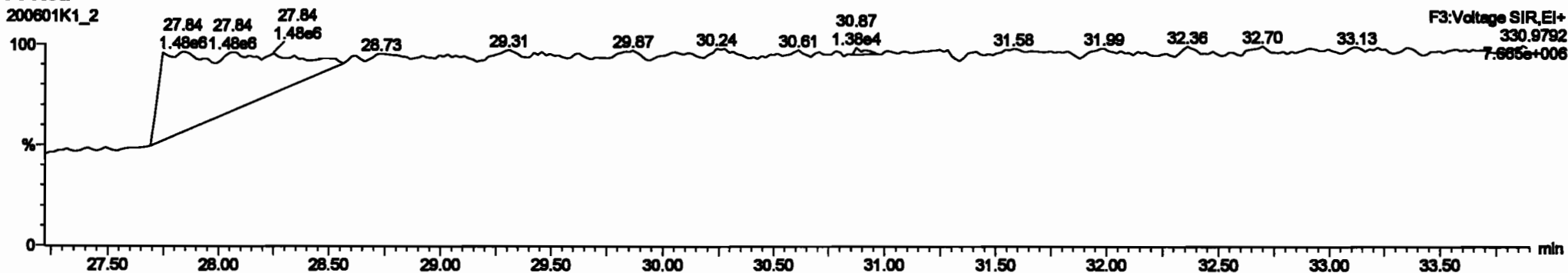
PCB-34



13C-PCB-28

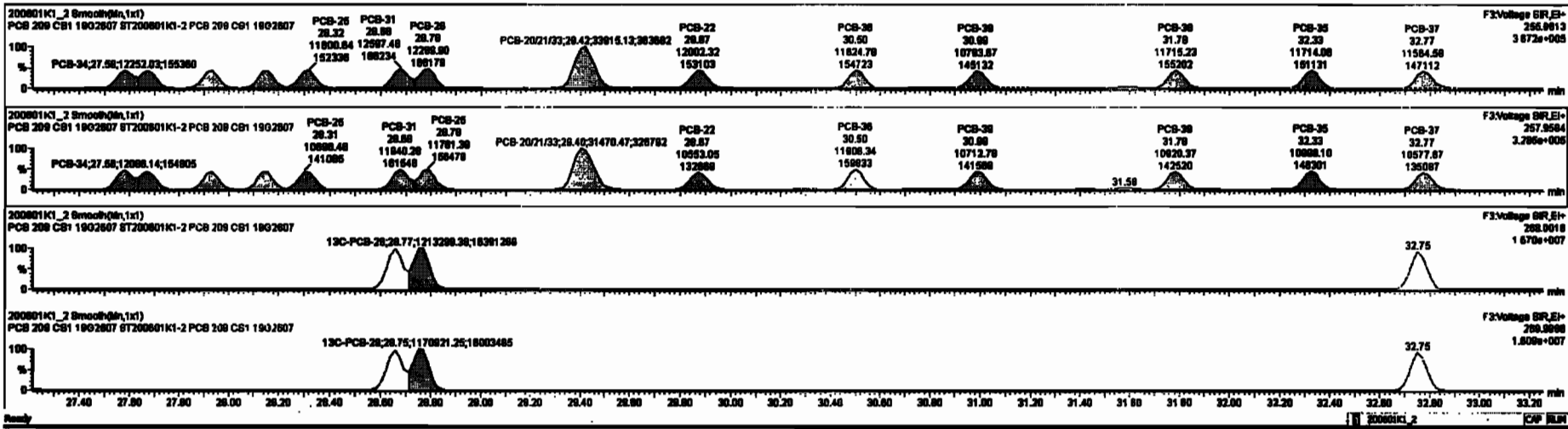


PFK3d



PCB	PCB-34	PCB-25	PCB-31	PCB-28	PCB-22	PCB-36	PCB-38	PCB-35	PCB-37
220	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
224	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
226	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
228	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
230	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
232	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
234	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

PCB	PCB-34	PCB-25	PCB-31	PCB-28	PCB-22	PCB-36	PCB-38	PCB-35	PCB-37
18	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
19	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
20	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
21	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
22	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
23	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
24	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
26	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

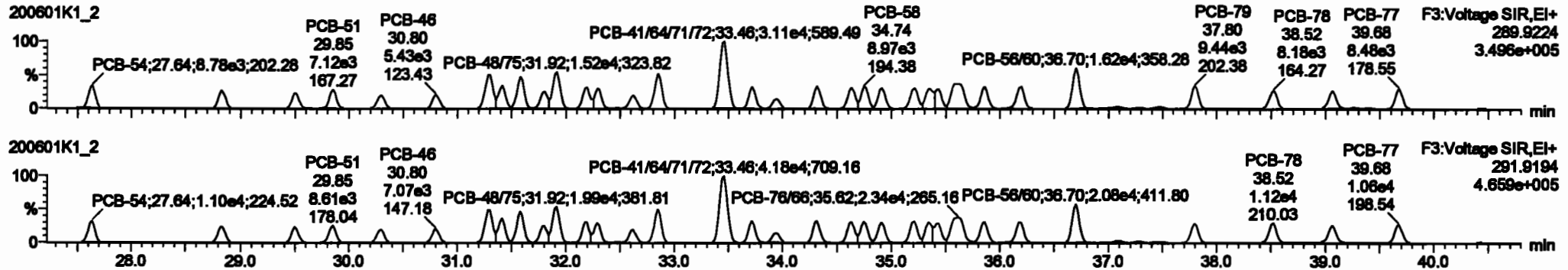


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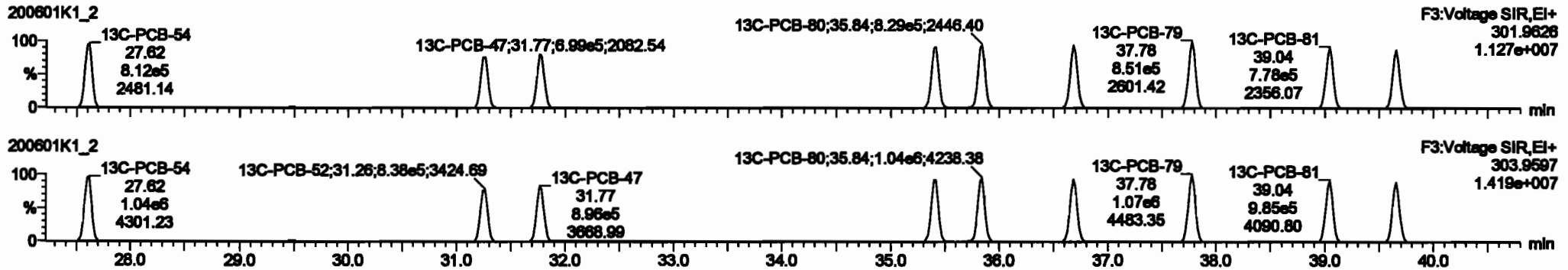
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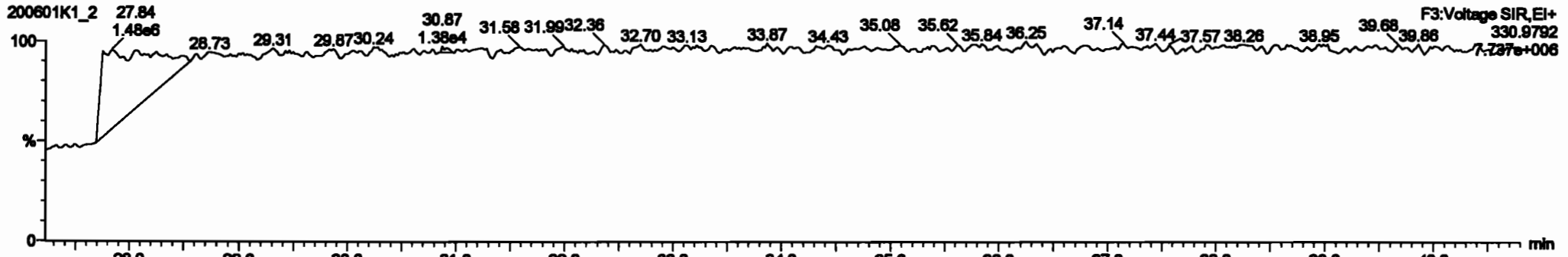
**PCB-54**



**13C-PCB-54**



**PFK3a**



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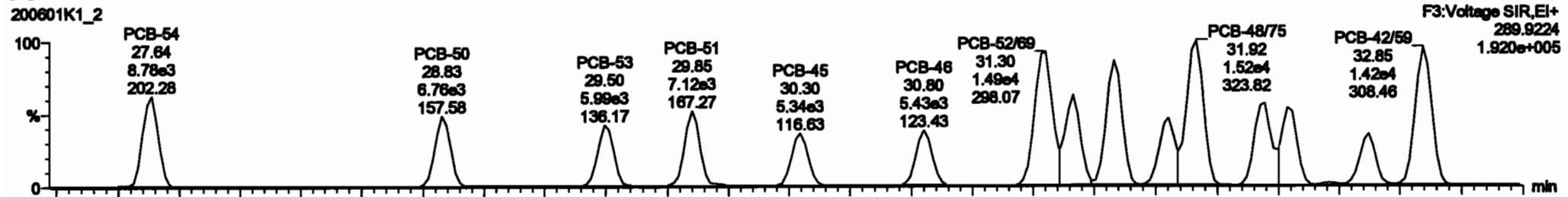
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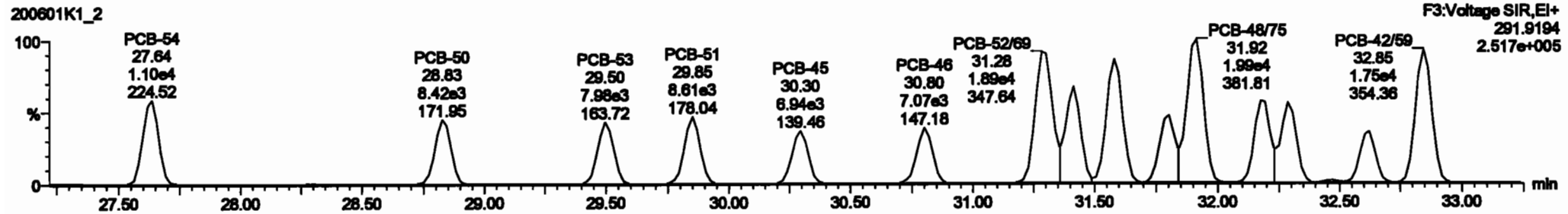
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PCB-50

200601K1\_2



200601K1\_2

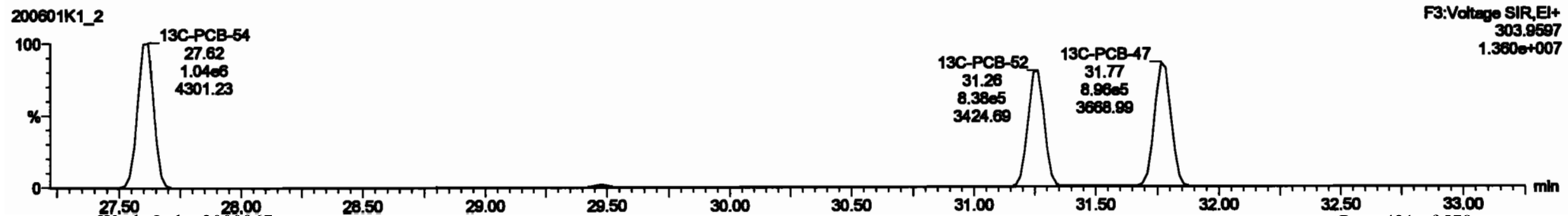


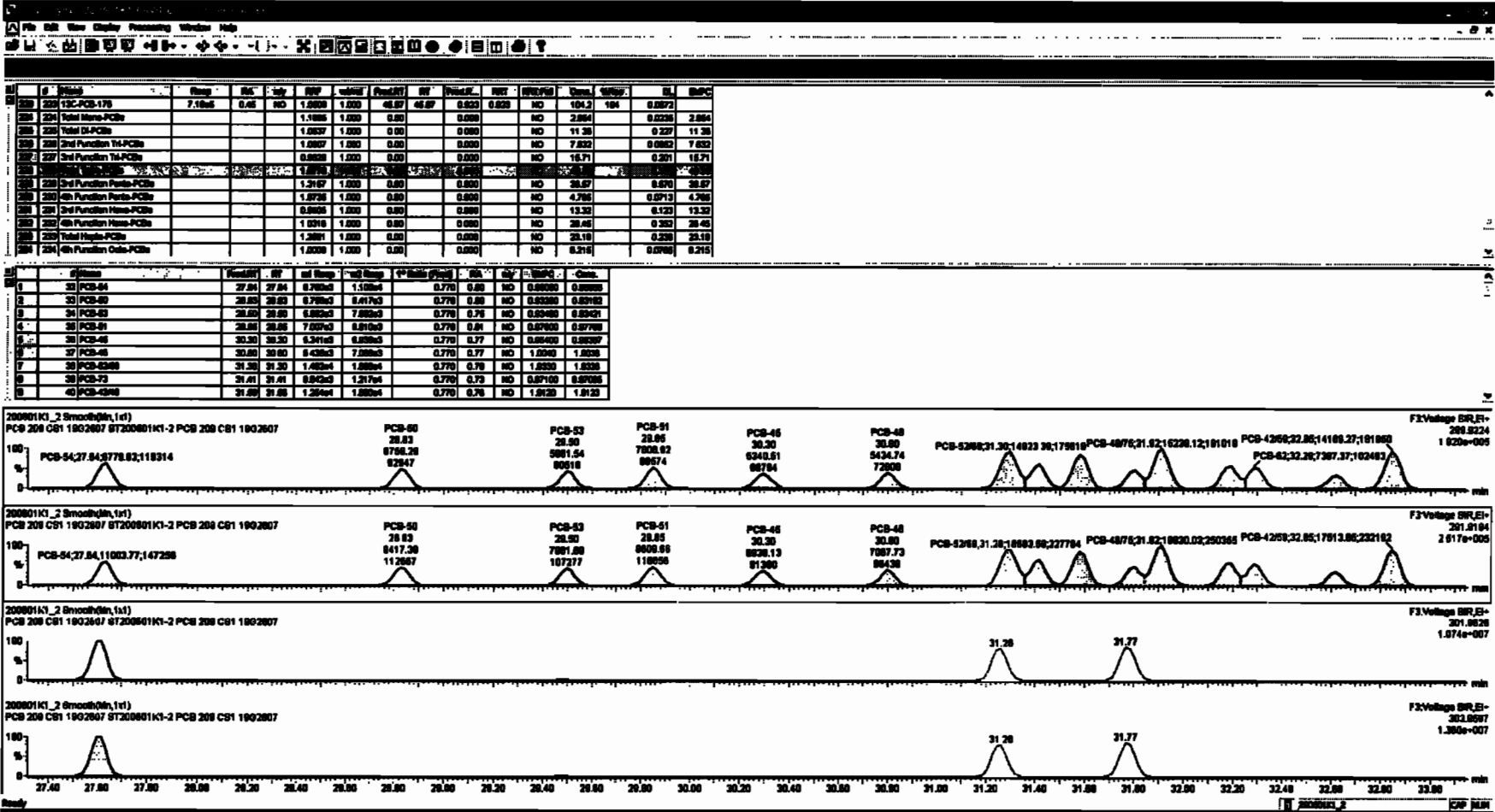
13C-PCB-52

200601K1\_2



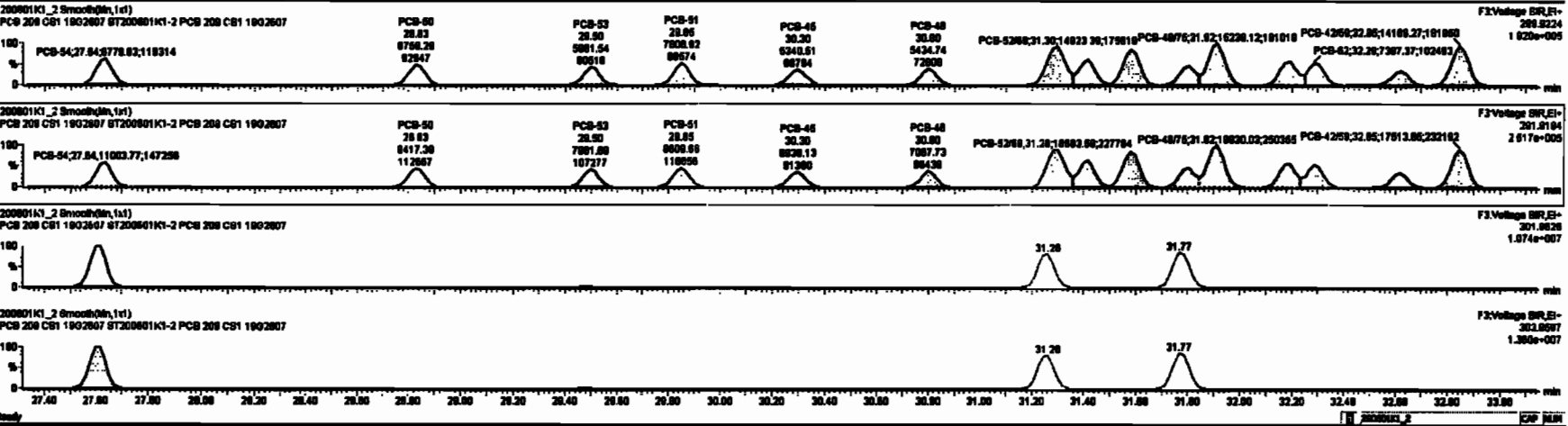
200601K1\_2





#	Material	Comp	MS	Int	RF	Area	Area%	RF	Peak#	RET	MS/MS	Comp	MS	Int	RF
220	13C-PCB-178	7.18e4	0.45	NO	1.5000	1.000	46.67	46.67	0.023	0.028	NO	104.2	104	0.0072	
220	Total Mono-PCBs				1.5185	1.000	0.00	0.000	0.000	NO	2.864			0.0236	2.864
220	Total Di-PCBs				1.0037	1.000	0.00	0.000	0.000	NO	11.38			0.227	11.38
220	2nd Function Tri-PCBs				1.0007	1.000	0.00	0.000	0.000	NO	7.632			0.0862	7.632
220	2nd Function Tetra-PCBs				0.0028	1.000	0.00	0.000	0.000	NO	16.71			0.201	16.71
220	2nd Function Penta-PCBs				1.2167	1.000	0.00	0.000	0.000	NO	38.67			0.670	38.67
220	4th Function Penta-PCBs				1.0726	1.000	0.00	0.000	0.000	NO	4.786			0.0713	4.786
220	2nd Function Hexa-PCBs				0.0005	1.000	0.00	0.000	0.000	NO	13.30			0.123	13.30
220	4th Function Hexa-PCBs				1.0318	1.000	0.00	0.000	0.000	NO	26.46			0.263	26.46
220	Total Hepta-PCBs				1.2081	1.000	0.00	0.000	0.000	NO	23.18			0.238	23.18
220	4th Function Octa-PCBs				1.0008	1.000	0.00	0.000	0.000	NO	8.216			0.0768	8.216

#	Material	Area	RF	Area	Area%	RF	Area	Area%	RF	Area	Area%	RF	Area	Area%	RF
33	PCB-54	27.84	27.84	0.700e3	1.500e-1	0.770	0.80	NO	0.00000	0.00000					
33	PCB-50	28.83	28.83	0.700e3	8.41e3	0.770	0.80	NO	0.00000	0.00000					
33	PCB-51	28.83	28.83	0.800e3	7.000e3	0.770	0.78	NO	0.00000	0.00000					
33	PCB-46	30.30	30.30	7.000e3	0.870e3	0.770	0.81	NO	0.00000	0.00000					
33	PCB-48	30.80	30.80	0.341e3	0.000e3	0.770	0.77	NO	0.00000	0.00000					
33	PCB-53	31.28	31.28	1.400e4	1.000e-1	0.770	0.78	NO	1.0000	1.0000					
33	PCB-42	31.41	31.41	0.042e3	1.2e-1e-1	0.770	0.73	NO	0.00100	0.00100					
33	PCB-42	31.69	31.69	1.200e4	1.000e-1	0.770	0.76	NO	1.0020	1.0120					



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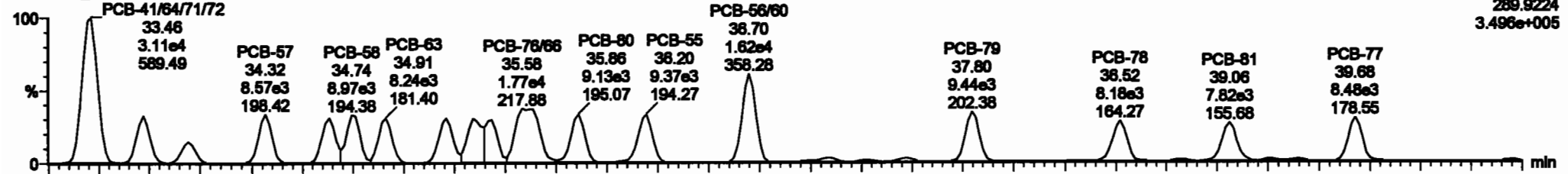
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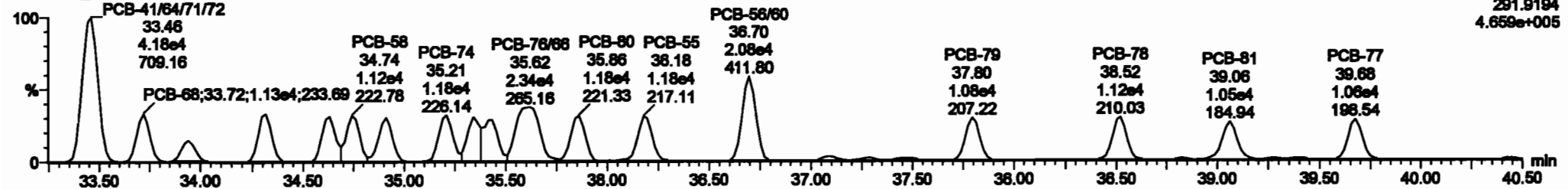
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**PCB-68**

200601K1\_2

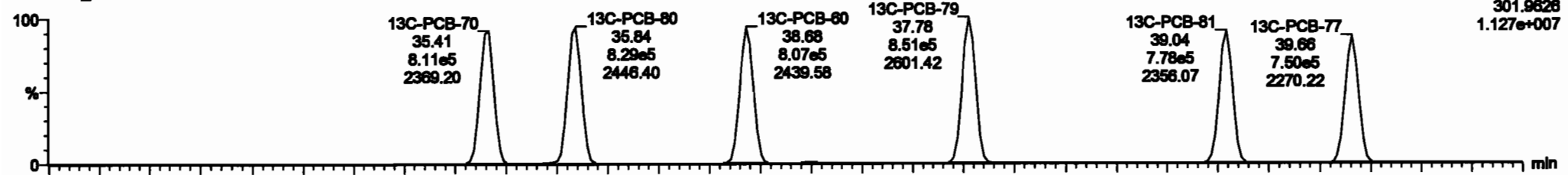


200601K1\_2

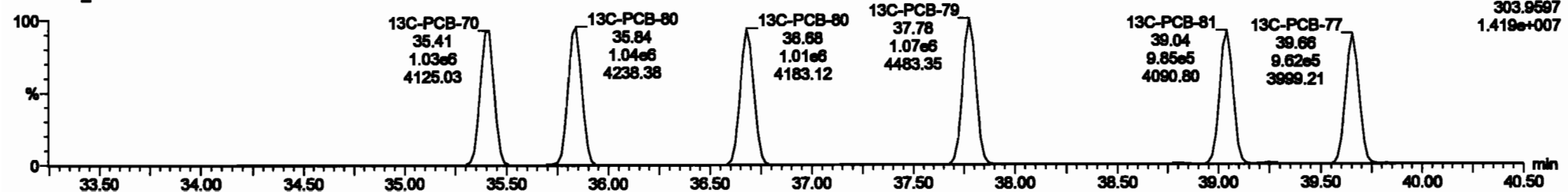


**13C-PCB-60**

200601K1\_2

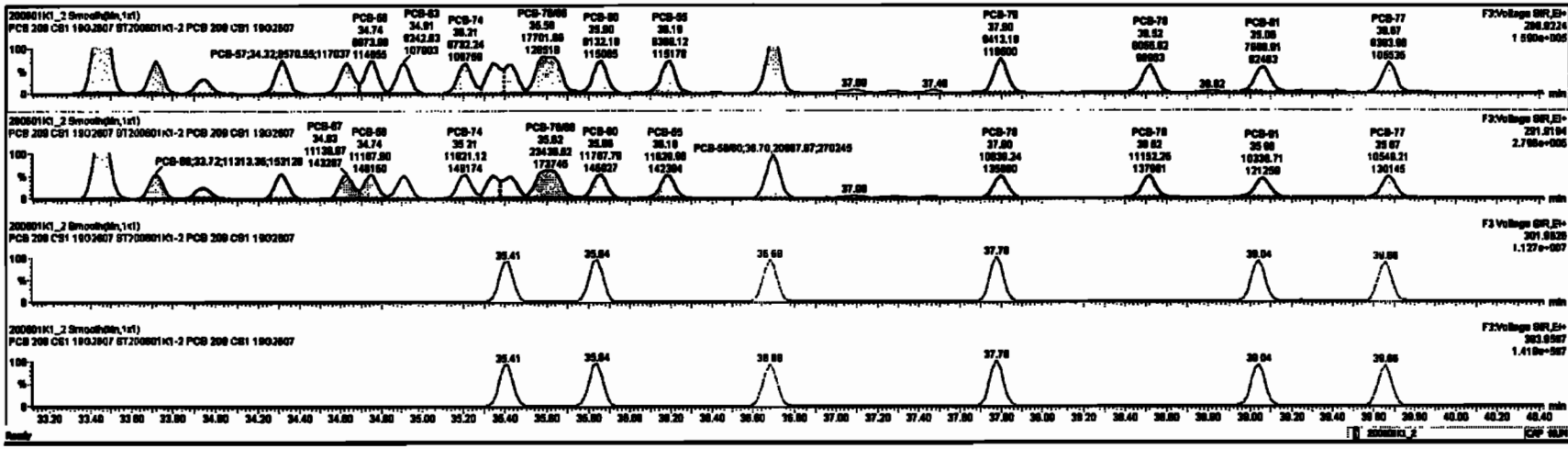


200601K1\_2



#	Material	Step	RA	Qty	RFV	Value	ProdID	RT	ProdID	RFV	RFV Full	Comp	Qty	SL	RFPC
220	13C-PCB-170	7.10nd	0.05	NO	1.0000	1.000	46.67	46.67	0.000	0.000	NO	104.3	104	0.0072	
221	Total Mono-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	2.884		0.0238	2.884
222	Total Di-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	11.38		0.227	11.38
223	2nd Function Tri-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	7.800		0.0000	7.800
224	2nd Function Tetra-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	NO	15.71		0.201	15.71
225	3rd Function Penta-PCBs				1.2167	1.000	0.00	0.00	0.000	0.000	NO	38.67		0.870	38.67
226	4th Function Hexa-PCBs				1.0726	1.000	0.00	0.00	0.000	0.000	NO	4.788		0.0713	4.788
227	2nd Function Hexa-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	NO	13.30		0.120	13.30
228	Total Hepta-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	38.40		0.300	38.40
229	Total Octa-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	23.18		0.200	23.18
230	4th Function Octa-PCBs				1.0000	1.000	0.00	0.000	0.000	NO	8.918		0.0700	8.918	

#	Material	ProdID	RT	ed Step	ed Step	** (RFV Prod)	RA	Qty	RFPC	Comp
1	PCB-04	27.04	27.04	0.780nd	1.000nd	0.770	0.80	NO	0.00000	0.00000
2	PCB-05	28.00	28.00	0.780nd	0.497nd	0.770	0.80	NO	0.00000	0.00163
3	PCB-03	28.00	28.00	0.800nd	7.800nd	0.770	0.76	NO	0.00000	0.00021
4	PCB-01	28.00	28.00	7.000nd	0.010nd	0.770	0.81	NO	0.00000	0.00700
5	PCB-06	30.30	30.30	0.341nd	0.000nd	0.770	0.77	NO	0.00000	0.00007
6	PCB-08	30.00	30.00	0.430nd	7.000nd	0.770	0.77	NO	1.00000	1.00000
7	PCB-02000	31.20	31.20	1.400nd	1.000nd	0.770	0.78	NO	1.00000	1.00000
8	PCB-22	31.01	31.01	0.000nd	1.217nd	0.770	0.73	NO	0.00100	0.00000



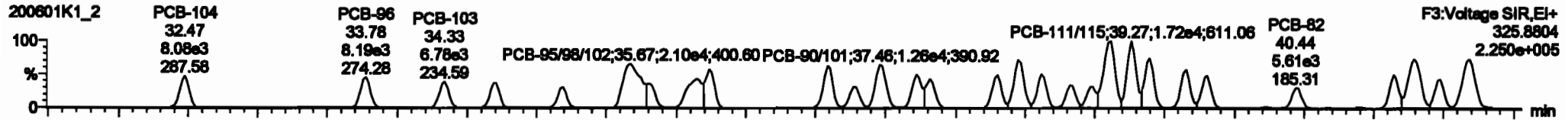


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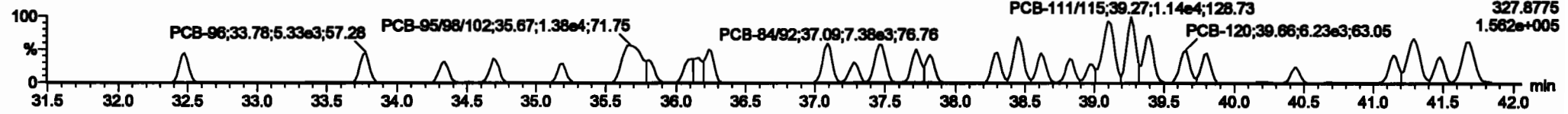
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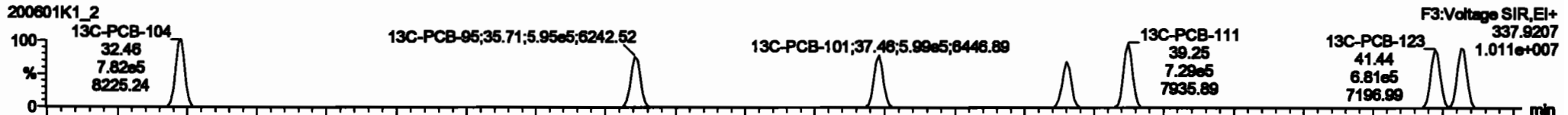
**PCB-104**



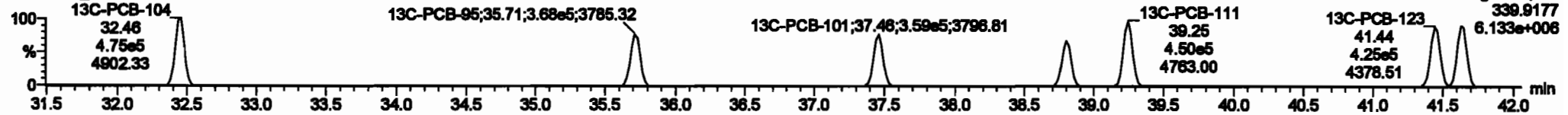
**200601K1\_2**



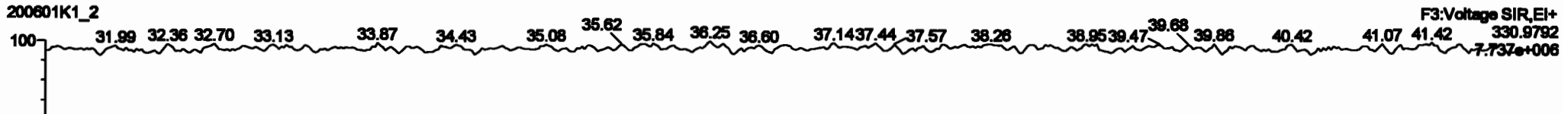
**13C-PCB-104**



**200601K1\_2**



**PFK3b**

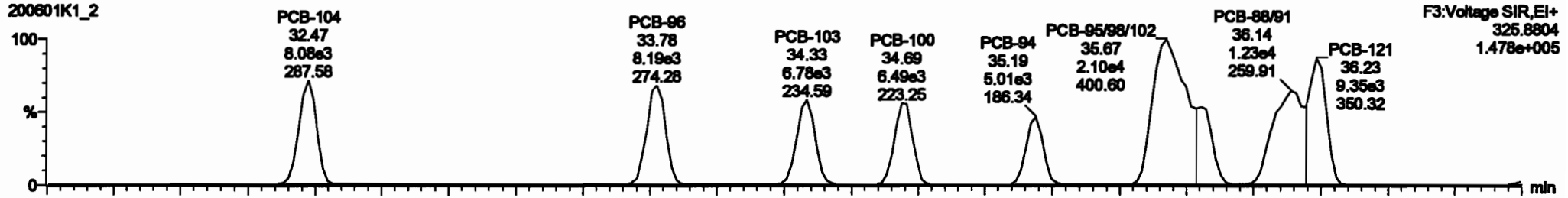


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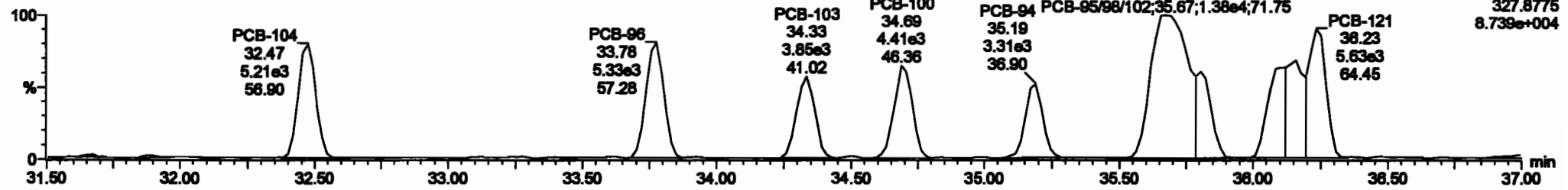
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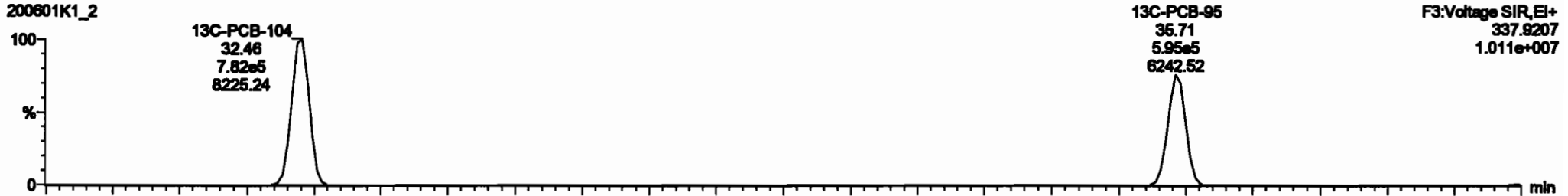
PCB-96



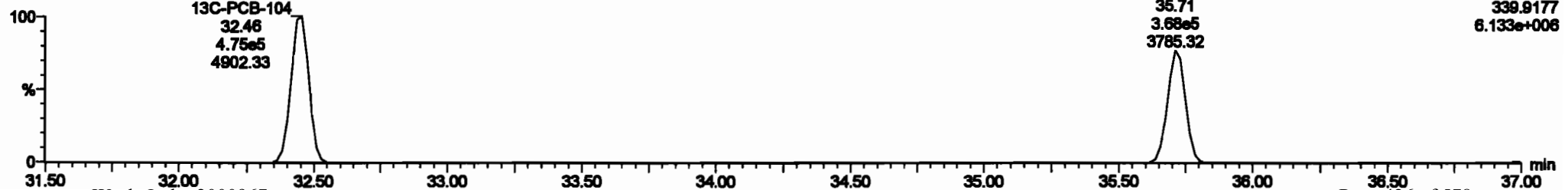
200601K1\_2



13C-PCB-95

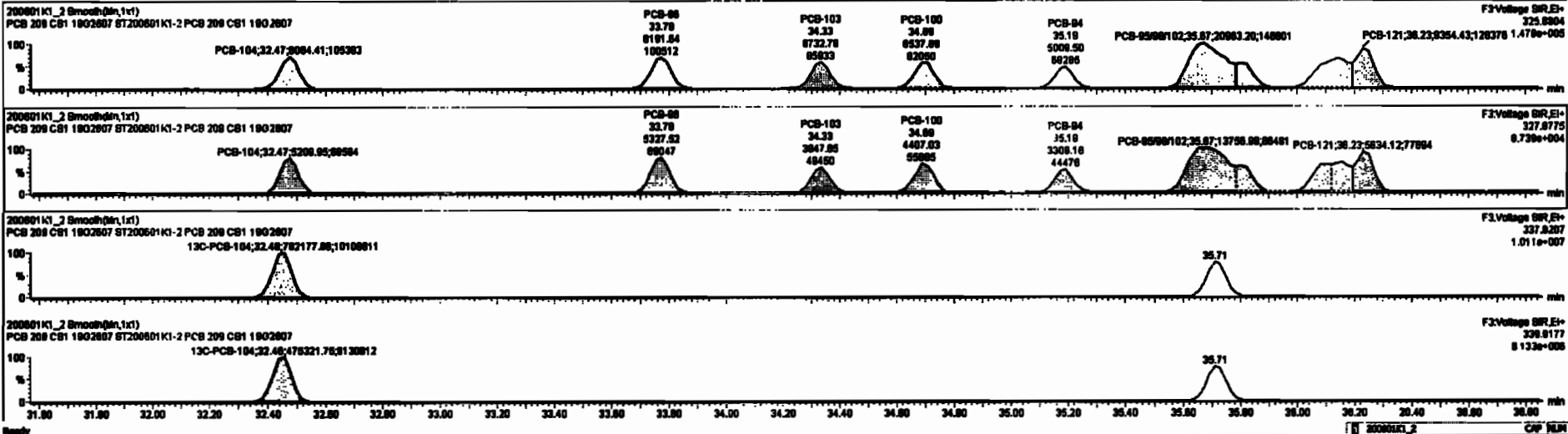


200601K1\_2



#	Name	Step	PA	Qty	QSP	Unit	Prod RT	RT	PSpec	QRT	QRT Fail	Comp.	Units	DL	EMPC
223	13C-PCB-178	7.1Inch	0.45	NO	1.2000	1.000	46.87	46.87	0.000	0.000	NO	104.2	104	0.0072	
224	Total Micro-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	2.864		0.0000	2.864
225	Total Di-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	11.38		0.0000	11.38
226	2nd Function Tri-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	7.802		0.0000	7.802
227	3rd Function Tri-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	NO	16.71		0.0000	16.71
228	Total Tri-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	40.39		0.0000	40.39
229	4th Function Quad-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	30.07		0.0000	30.07
230	5th Function Quad-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	4.705		0.0000	4.705
231	2nd Function Hexa-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	NO	13.32		0.0000	13.32
232	4th Function Hexa-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	26.46		0.0000	26.46
233	Total Hexa-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	39.78		0.0000	39.78
234	2nd 4th Function Octa-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	8.979		0.0000	8.979

#	Name	Step	PA	Qty	QSP	Unit	Prod RT	RT	PSpec	QRT	QRT Fail	Comp.	Units	DL	EMPC
64	PCB-104				32.47	32.47	0.000e0	0.210e3	1.000	1.00	NO	0.04300	0.04218		
65	PCB-88				33.78	33.78	0.100e3	0.320e3	1.000	1.04	NO	0.00200	0.00176		
66	PCB-103				34.33	34.33	0.720e3	3.000e3	1.000	1.75	NO	0.00000	0.00004		
67	PCB-100				34.88	34.88	0.000e3	4.400e3	1.000	1.48	NO	0.01300	0.01274		
68	PCB-84				35.18	35.18	0.010e3	3.300e3	1.000	1.01	NO	0.01000	0.00880		
69	PCB-8500102				35.87	35.87	2.000e4	1.370e4	1.000	1.82	NO	2.00000	2.00000		
70	PCB-80				36.78	36.78	0.000e3	3.300e3	1.000	1.00	NO	0.00000	0.00000		
71	PCB-8801				38.14	38.14	1.200e4	0.000e3	1.000	1.82	NO	1.0700	1.0701		



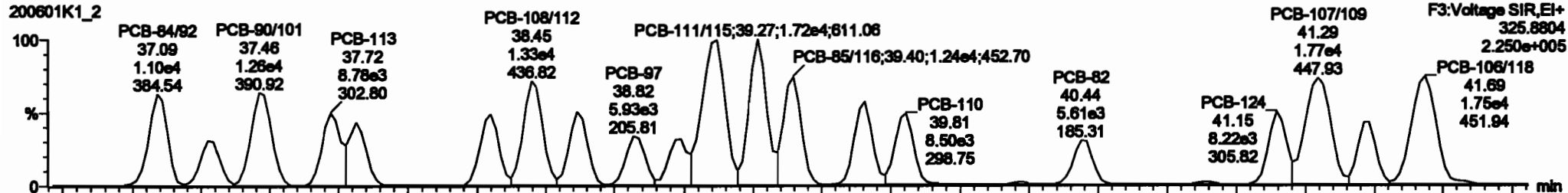
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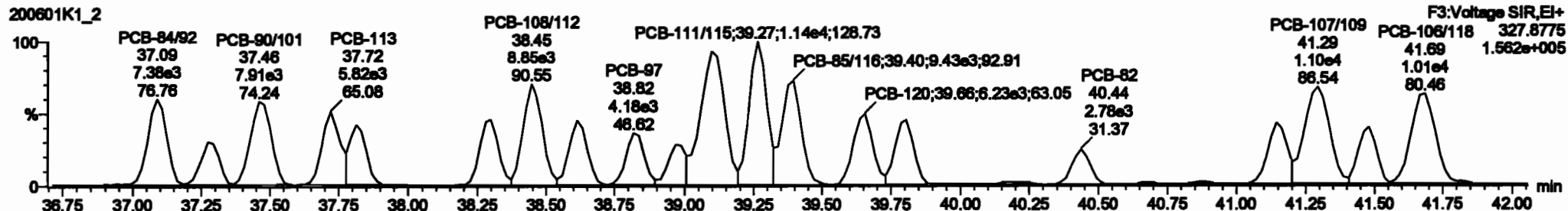
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**PCB-119**

200601K1\_2

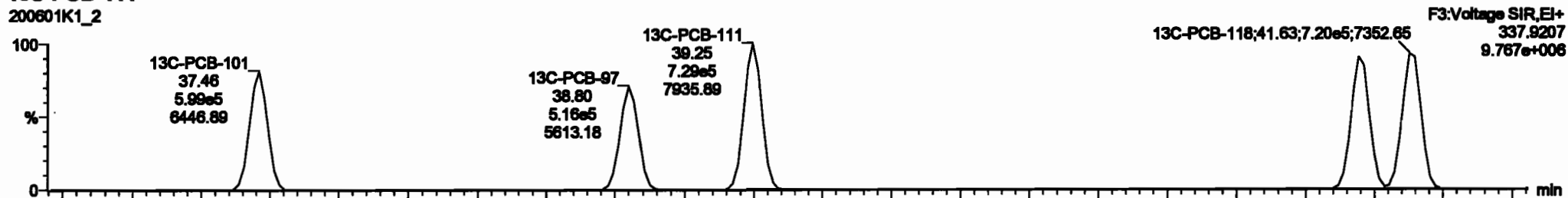


200601K1\_2

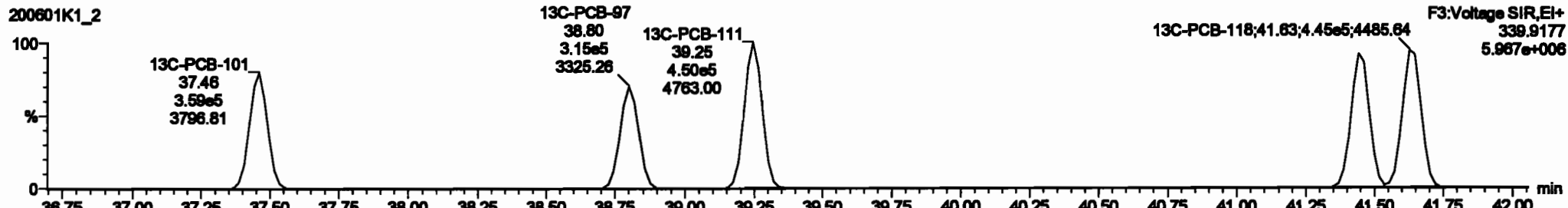


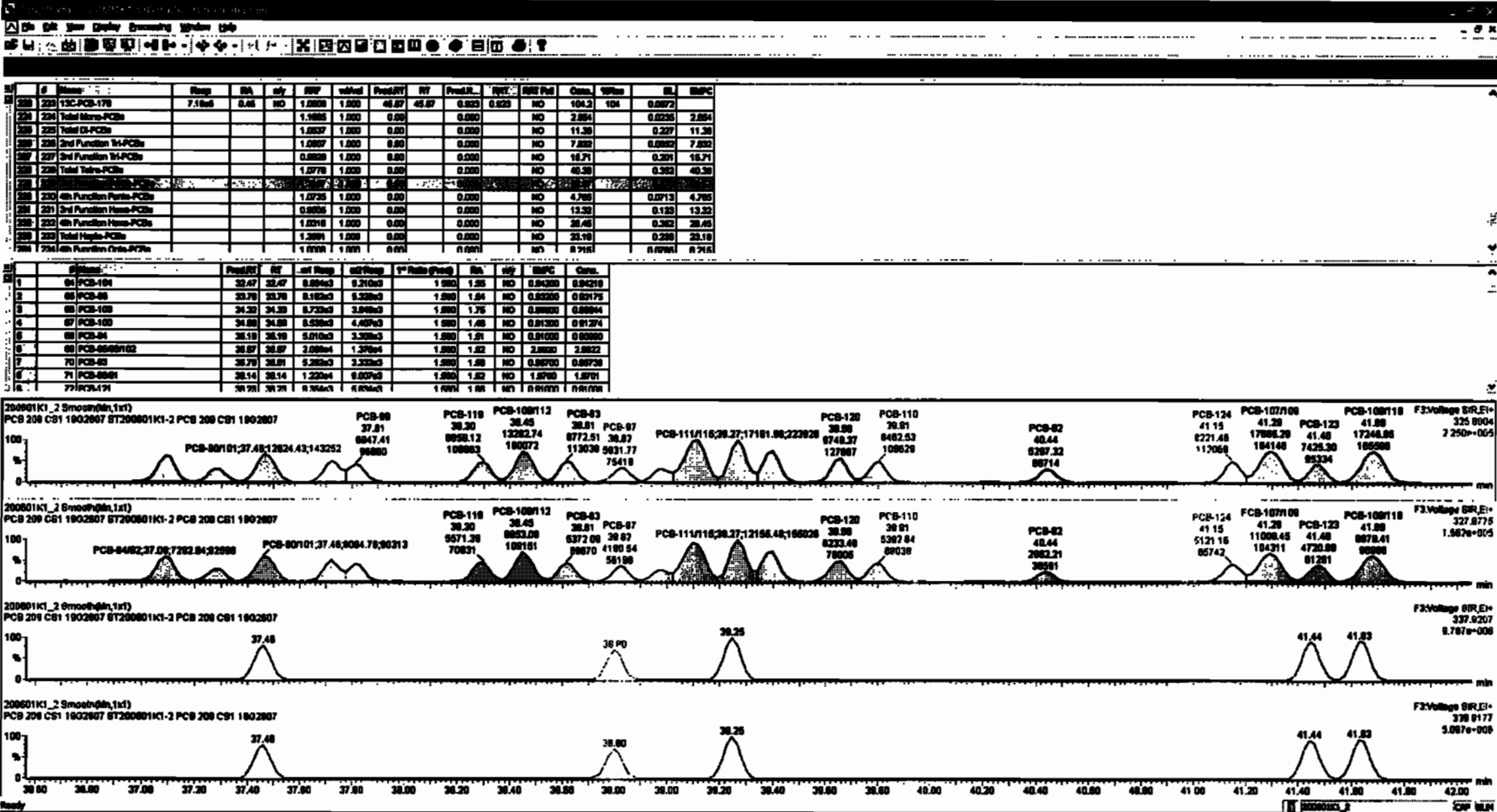
**13C-PCB-111**

200601K1\_2



200601K1\_2



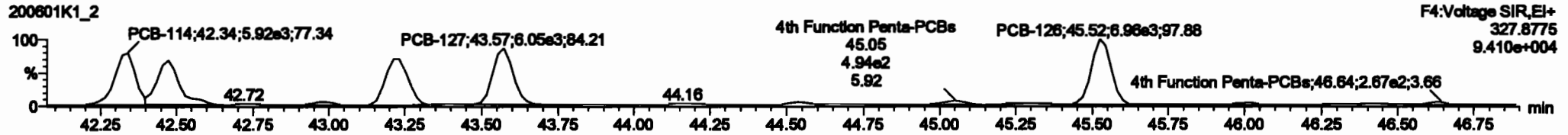
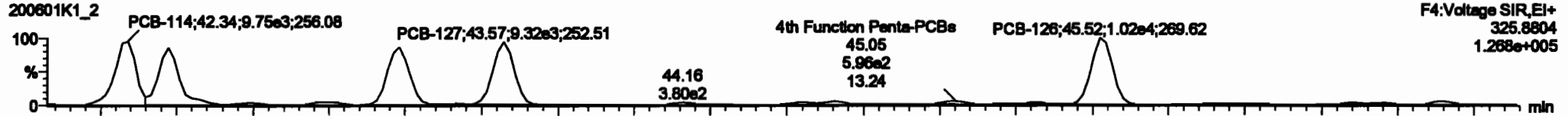


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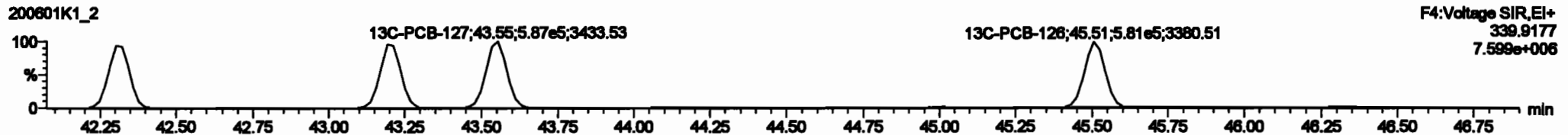
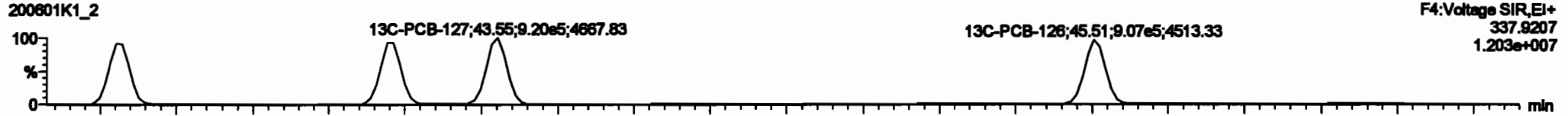
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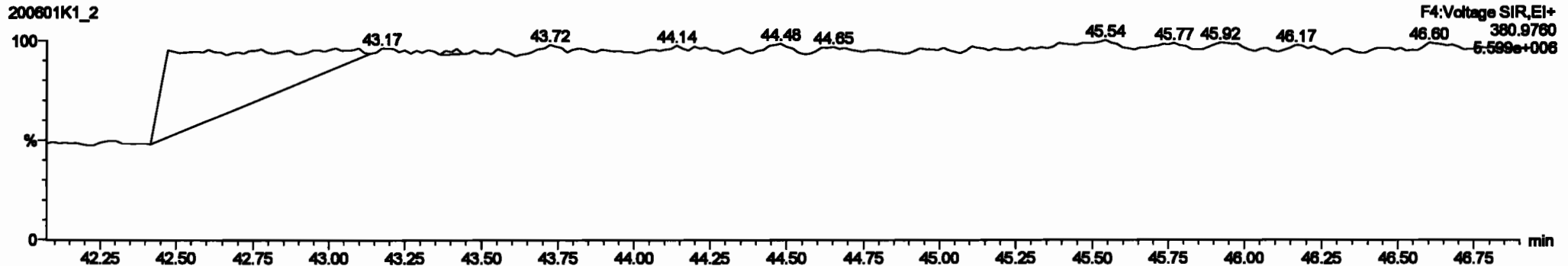
**PCB-114**



**13C-PCB-114**

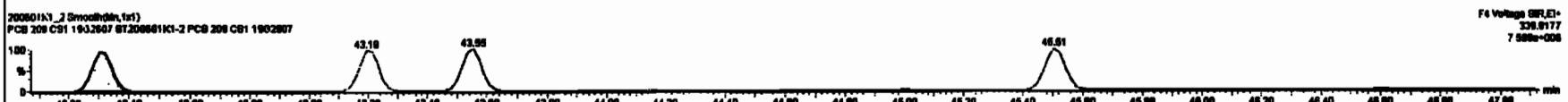
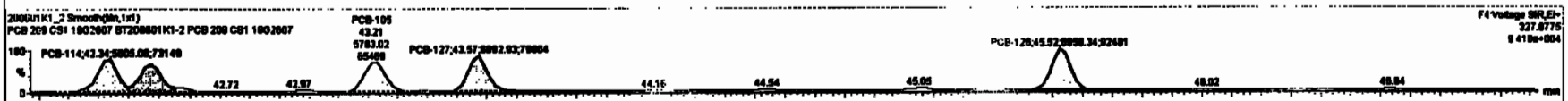
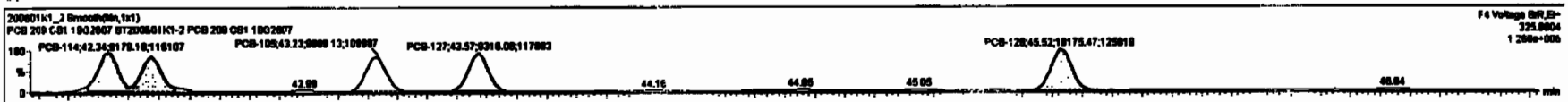


**PFK4a**



#	Name	Area	RA	Wt	FWT	Wdth	PeakRT	RT	PeakID	FWT	Wdth	Area	Wt%	GC	WPC
220	12C-PCB-170	7.18e5	0.45	NO	1.0000	1.000	45.97	45.97	0.023	0.023	NO	104.2	104	0.0072	
224	Total Mono-PCBs				1.0000	1.000					NO	2.804		0.0226	2.804
226	Total Di-PCBs				1.0000	1.000					NO	11.38		0.327	11.38
228	Total Tri-PCBs				1.0000	1.000					NO	7.832		0.0002	7.832
229	Total Tetra-PCBs				0.0020	1.000					NO	18.71		0.301	18.71
230	Total Penta-PCBs				1.0770	1.000					NO	40.38		0.302	40.38
231	Total Hexa-PCBs				1.2167	1.000					NO	38.67		0.670	38.67
232	Total Hepta-PCBs				1.0000	1.000					NO	13.32		0.123	13.32
233	Total Octa-PCBs				0.0000	1.000					NO	28.48		0.302	28.48
234	Total Nona-PCBs				1.0016	1.000					NO	23.10		0.020	23.10
235	Total Deca-PCBs				1.0000	1.000					NO	8.918		0.0001	8.918

#	Name	Area	Wt	FWT	Wdth	PeakRT	RT	PeakID	FWT	Wdth	Area	Wt%	GC	WPC
1	PCB-114	42.35	42.34	0.170e3	0.020e3	1.000	1.00	NO	0.00100	0.00002				
2	PCB-122	42.47	42.47	0.200e3	0.111e3	1.000	1.00	NO	0.00700	0.00001				
3	PCB-108	43.31	43.23	0.030e3	0.703e3	1.000	1.00	NO	0.00700	0.00011				
4	PCB-127	43.97	43.97	0.310e3	0.003e3	1.000	1.00	NO	0.00000	0.00002				
5	PCB-128	45.82	45.82	1.010e4	0.000e3	1.000	1.00	NO	0.00200	0.00210				



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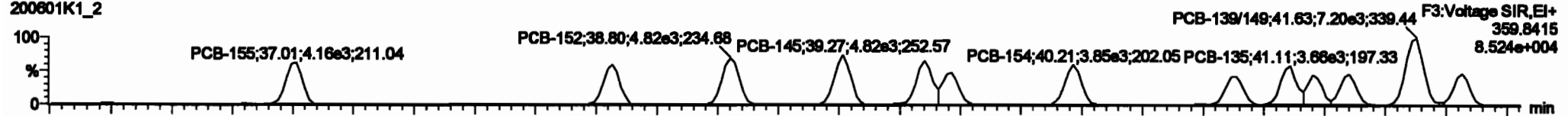
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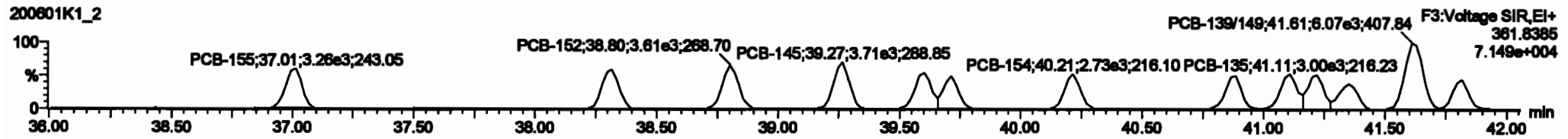
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**PCB-155**

200601K1\_2



200601K1\_2

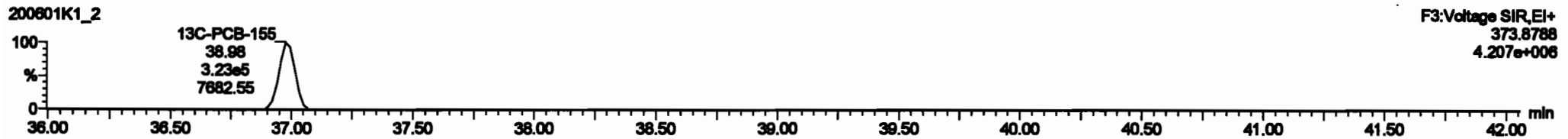


**13C-PCB-155**

200601K1\_2

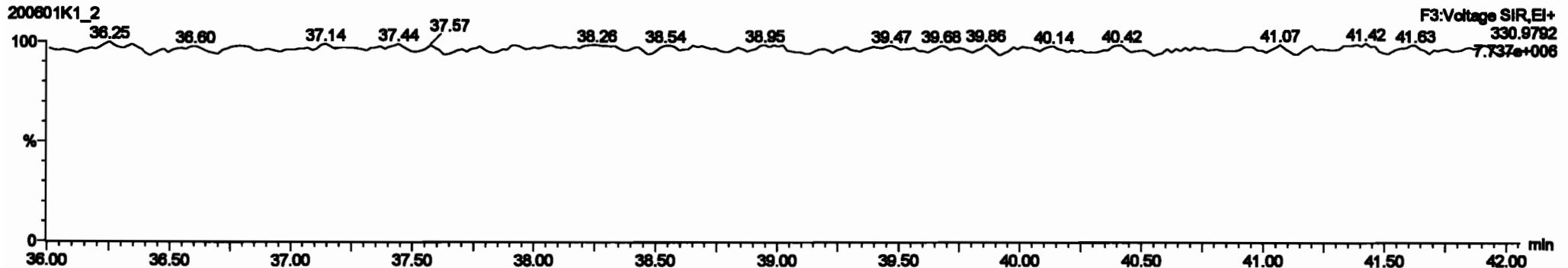


200601K1\_2



**PFK3c**

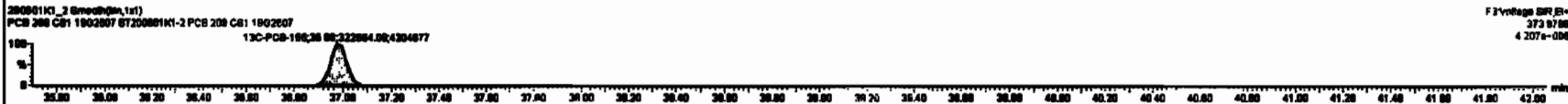
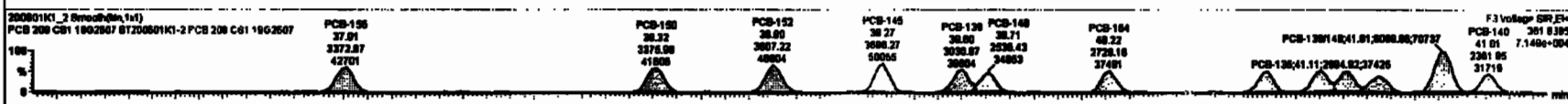
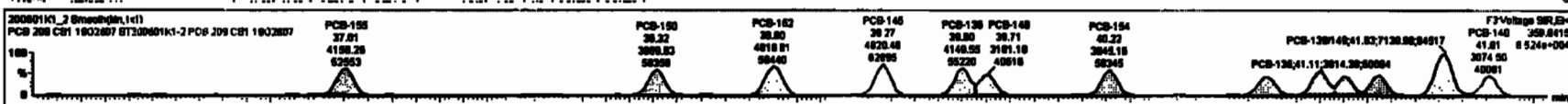
200601K1\_2





#	Name	Range	Min	Max	PPM	Volts	Preval	Postval	Preval	Postval	Volts	Preval	Postval	Volts	Preval	Postval	Volts	Preval	Postval
220	13C-PCB-178	7.18ud	0.45	ND	1.0000	1.000	46.67	46.67	0.000	0.000	ND	104.2	104	0.0072					
224	Total Mono-PCBs				1.1895	1.000	0.00	0.00	0.000	0.000	ND	2.894		0.0236	2.894				
226	Total Di-PCBs				1.0007	1.000	0.00	0.00	0.000	0.000	ND	11.30		0.207	11.30				
228	2nd Function Tri-PCBs				1.0007	1.000	0.00	0.00	0.000	0.000	ND	7.830		0.0000	7.830				
227	2nd Function Tetra-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	ND	16.71		0.201	16.71				
230	Total Tetra-PCBs				1.0770	1.000	0.00	0.00	0.000	0.000	ND	48.30		0.362	48.30				
232	2nd Function Penta-PCBs				1.3107	1.000	0.00	0.00	0.000	0.000	ND	38.07		0.076	38.07				
233	3rd Function Penta-PCBs				1.0726	1.000	0.00	0.00	0.000	0.000	ND	4.788		0.0712	4.788				
234	4th Function Hexa-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	ND	0.000		0.000	0.000				
235	Total Hexa-PCBs				1.0018	1.000	0.00	0.00	0.000	0.000	ND	28.40		0.202	28.40				
236	Total Hepta-PCBs				1.0001	1.000	0.00	0.00	0.000	0.000	ND	23.18		0.208	23.18				
237	2nd 4th Function Octa-PCBs				1.0768	1.000	0.00	0.00	0.000	0.000	ND	6.716		0.0760	6.716				

#	Name	Preval	Post	Volts	Volts	Preval	Post	Volts	Volts	Preval	Post	Volts	Volts
88	PCB-188	38.88	37.81	4.188e3	3.273e3	1.240	1.29	ND	0.89180	0.89137			
89	PCB-189	38.33	38.33	3.888e3	3.379e3	1.240	1.18	ND	0.91280	0.91238			
90	PCB-190	38.88	38.88	4.817e3	3.807e3	1.240	1.24	ND	0.88880	0.88881			
101	PCB-145	38.27	38.27	4.828e3	3.888e3	1.240	1.21	ND	0.87480	0.87388			
102	PCB-128	38.88	38.88	4.188e3	3.807e3	1.240	1.27	ND	0.89080	0.88978			
103	PCB-148	38.71	38.71	3.188e3	2.588e3	1.240	1.28	ND	0.89880	0.89888			
104	PCB-158	48.31	48.31	3.888e3	2.788e3	1.240	1.41	ND	0.87280	0.87218			
105	PCB-161	48.88	48.88	3.888e3	2.888e3	1.240	1.16	ND	1.00010	1.00008			
106	PCB-126	41.11	41.11	3.814e3	2.888e3	1.240	1.27	ND	1.00040	1.00044			

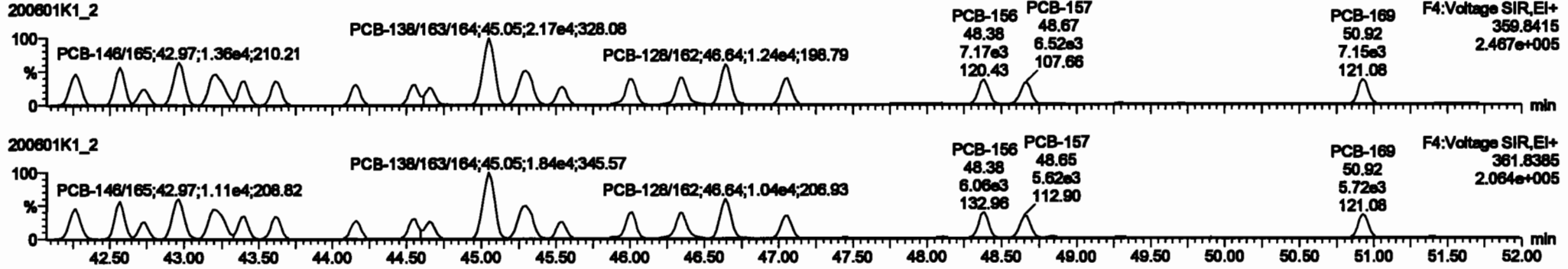


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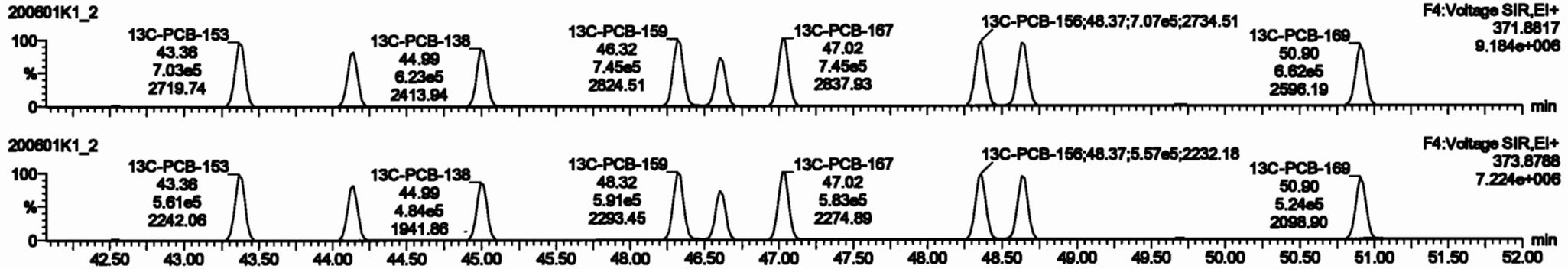
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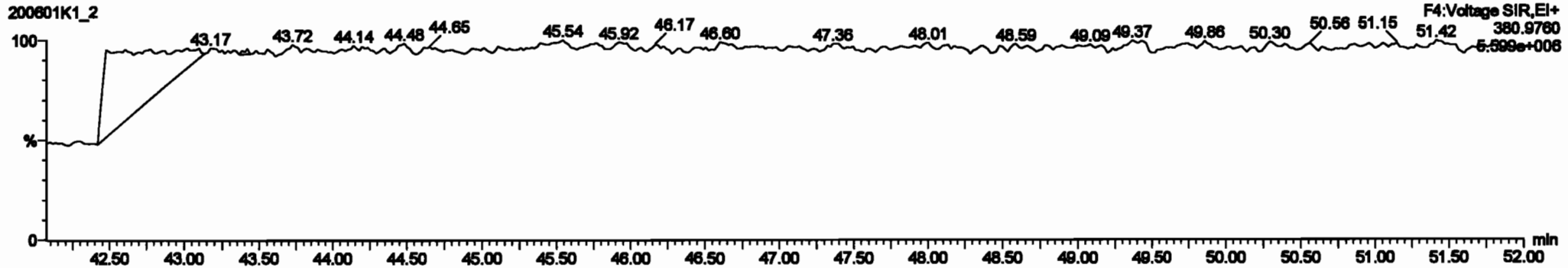
PCB-134/143



13C-PCB-153

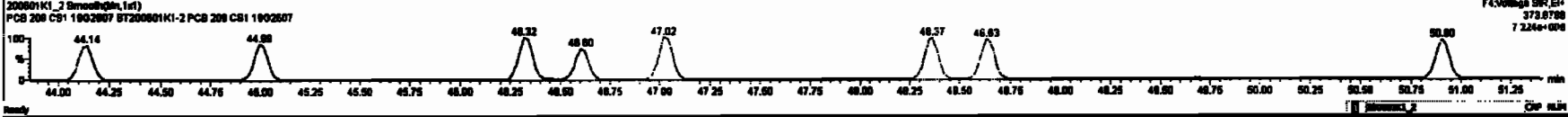
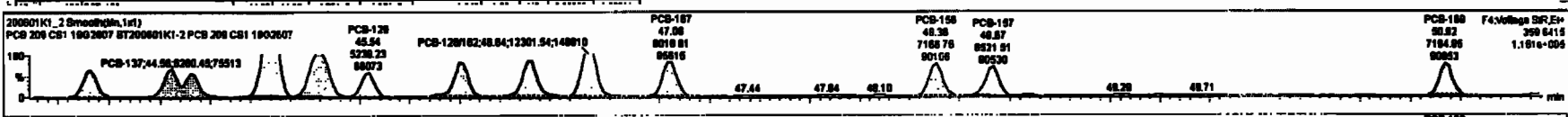


PFK4b



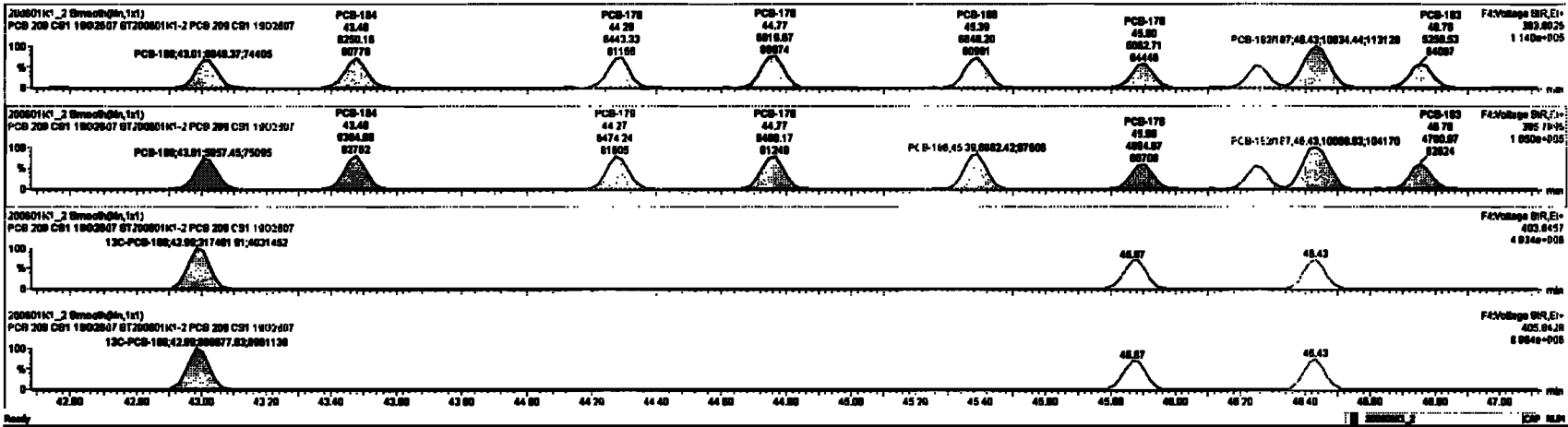
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220	13C-PCB-176	7.186d	0.45	NO	1.0000	1.000	46.87	46.87	0.0000	0.000	NO	104.2	104	0.0072			
221	Total Mono-PCBs					1.0000	1.000	0.00	0.0000	0.000	NO	2.884	2.884	0.0000	2.884		
222	Total Di-PCBs					1.0000	1.000	0.00	0.0000	0.000	NO	11.30	11.30	0.227	11.30		
223	2nd Furthest Tri-PCBs					1.0000	1.000	0.00	0.0000	0.000	NO	7.852	7.852	0.0000	7.852		
224	2nd Furthest Tetra-PCBs					0.8828	1.000	0.00	0.0000	0.000	NO	15.71	15.71	0.281	15.71		
225	Total Tetra-PCBs					1.0000	1.000	0.00	0.0000	0.000	NO	40.30	40.30	0.282	40.30		
226	2nd Furthest Penta-PCBs					1.2157	1.000	0.00	0.0000	0.000	NO	38.57	38.57	0.676	38.57		
227	3rd Furthest Penta-PCBs					1.0000	1.000	0.00	0.0000	0.000	NO	4.785	4.785	0.0713	4.785		
228	3rd Furthest Hexa-PCBs					0.8828	1.000	0.00	0.0000	0.000	NO	13.32	13.32	0.123	13.32		
229	Total Hexa-PCBs					1.0000	1.000	0.00	0.0000	0.000	NO	20.47	20.47	0.123	20.47		
230	Total Hepta-PCBs					1.0000	1.000	0.00	0.0000	0.000	NO	23.18	23.18	0.238	23.18		
231	Total Octa-PCBs					1.0000	1.000	0.00	0.0000	0.000	NO	0.9161	0.9161	0.0191	0.9161		

#	Name	Time	Area	Height	Width	Area%	Height%	Width%	Area%	Height%	Width%	Area%	Height%	Width%	Area%	Height%	Width%
111	PCB-126A43	42.28	42.28	0.807e3	0.003e3	1.240	1.24	NO	1.8820	1.8818							
112	PCB-131A33	42.59	42.57	1.025e3	0.070e3	1.240	1.22	NO	1.8820	1.8818							
113	PCB-142	42.73	42.74	4.811e3	3.894e3	1.240	1.24	NO	0.82280	0.82258							
114	PCB-148A08	42.87	42.87	1.285e3	1.114e3	1.240	1.22	NO	1.8820	1.8822							
115	PCB-129A01	43.20	43.21	1.201e3	1.120e3	1.240	1.18	NO	1.8840	1.8838							
116	PCB-163	43.58	43.41	7.220e3	5.748e3	1.240	1.26	NO	0.88000	0.88004							
117	PCB-188	43.81	43.81	7.201e3	5.888e3	1.240	1.30	NO	0.84800	0.84882							
118	PCB-141	44.18	44.18	5.747e3	4.482e3	1.240	1.28	NO	0.84100	0.84128							
119	PCB-137	44.88	44.88	0.280e3	4.882e3	1.240	1.24	NO	0.82100	0.82080							



#	Name	Rating	RA	sq	SWP	Wdth	PeakRT	RT	PeakR2	SWP	SWP Pct	Area	WPeak	IC	IMPC
220	13C-PCB-178	7.16e4	0.48	NO	1.0000	1.000	46.87	46.87	0.920	0.920	NO	104.2	104	0.0002	
224	Total Micro-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	2.864		0.0000	2.864
226	Total DL-PCBs				1.0007	1.000	0.00	0.00	0.000	0.000	NO	11.36		0.0000	11.36
228	2nd Function Tri-PCBs				1.0007	1.000	0.00	0.00	0.000	0.000	NO	7.800		0.0000	7.800
229	2nd Function Tri-PCBs				0.9999	1.000	0.00	0.00	0.000	0.000	NO	42.71		0.0000	42.71
230	Total Tetra-PCBs				1.0070	1.000	0.00	0.00	0.000	0.000	NO	48.30		0.0000	48.30
231	2nd Function Penta-PCBs				1.0157	1.000	0.00	0.00	0.000	0.000	NO	38.67		0.0000	38.67
232	4th Function Penta-PCBs				1.0726	1.000	0.00	0.00	0.000	0.000	NO	4.700		0.0013	4.700
234	2nd Function Hexa-PCBs				0.9998	1.000	0.00	0.00	0.000	0.000	NO	13.33		0.0000	13.33
235	4th Function Hexa-PCBs				1.0098	1.000	0.00	0.00	0.000	0.000	NO	20.40		0.0000	20.40
236	2nd Function Hepta-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	20.40		0.0000	20.40
238	Total Hepta-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	0.000		0.0000	0.000
244	Total Octa-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	0.000		0.0000	0.000

#	Name	PeakRT	RT	Wdth	Wdth	WPeak	Area	SWP	SWP Pct	Area
131	PCB-184	43.03	43.03	0.040e0	0.037e0	1.000	1.01	NO	0.91000	0.91001
132	PCB-184	43.40	43.40	0.200e0	0.200e0	1.000	0.00	NO	1.00000	1.00000
133	PCB-178	44.27	44.28	0.400e0	0.417e0	1.000	1.00	NO	0.97000	0.97004
134	PCB-178	44.24	44.77	0.020e0	0.400e0	1.000	1.00	NO	1.00000	1.00000
135	PCB-188	45.30	45.30	0.040e0	0.030e0	1.000	0.00	NO	1.00000	1.00000
136	PCB-178	45.60	45.60	0.000e0	0.000e0	1.000	1.00	NO	1.00000	1.00000
137	PCB-178	46.24	46.24	0.000e0	0.000e0	1.000	1.01	NO	0.93000	0.93000
138	PCB-183B7	46.42	46.43	1.000e0	1.000e0	1.000	1.00	NO	1.91010	1.91010
139	PCB-183	46.78	46.78	0.200e0	0.201e0	1.000	1.12	NO	0.80000	0.80007



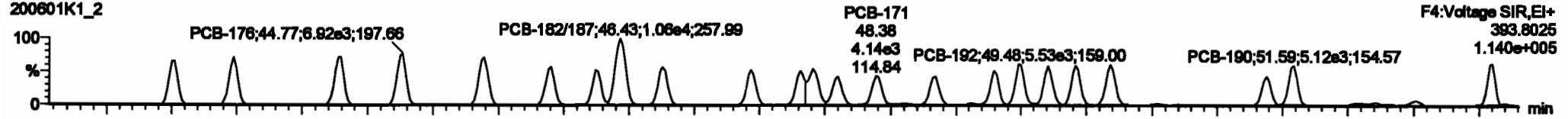
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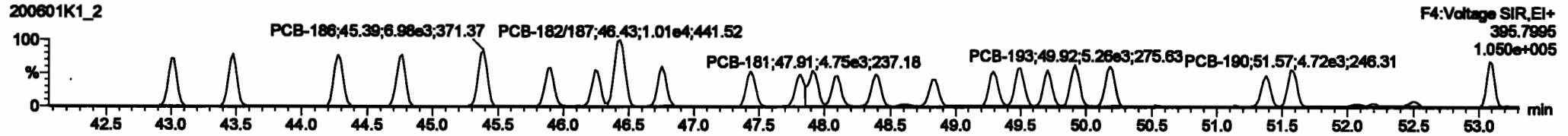
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**PCB-188**

200601K1\_2

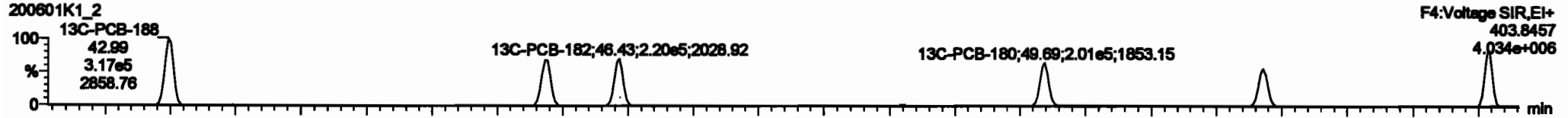


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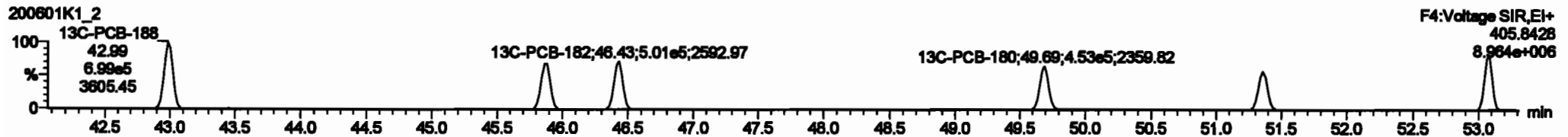


**13C-PCB-188**

200601K1\_2

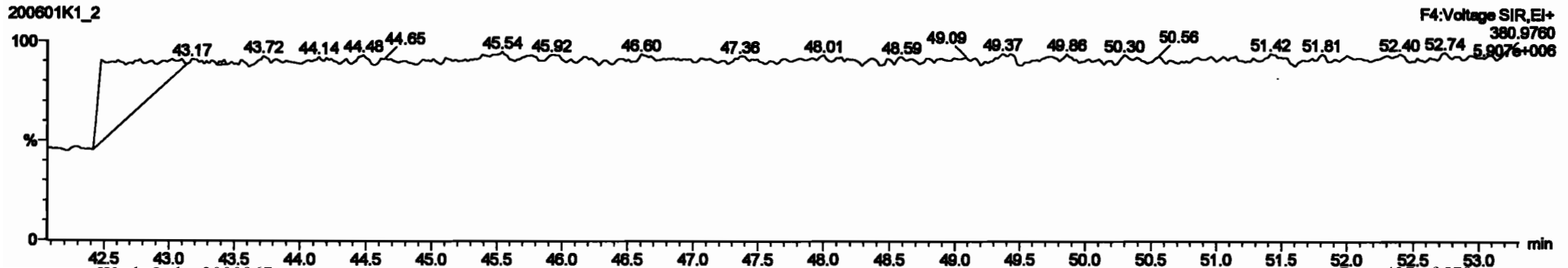


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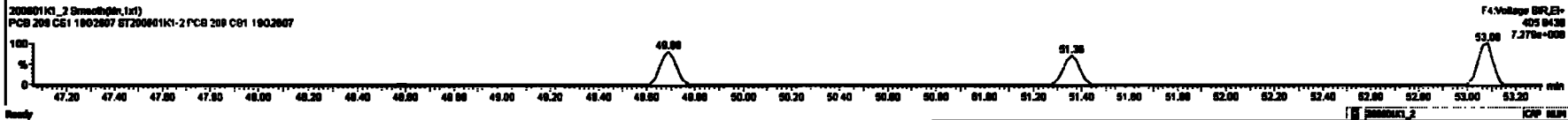
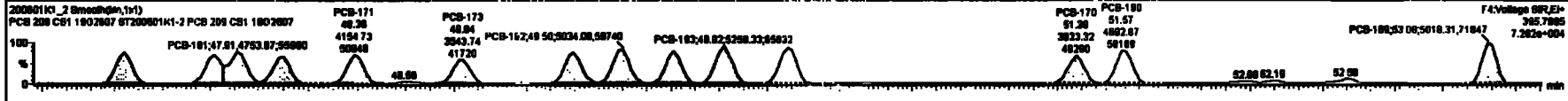
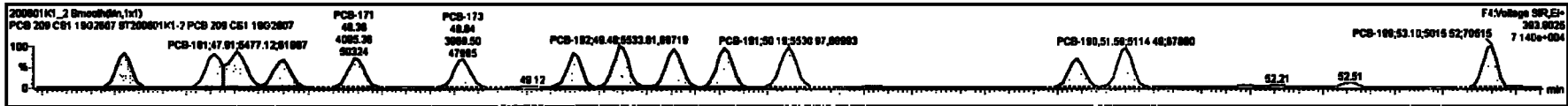
**PFK4c**

200601K1\_2



Peak	Area	Height	Width	Retention	Abundance	Concentration	Response	Integration	Quality	Label
220	13C-PCB-178	7.18e5	0.45	ND	1.0000	1.000	46.87	46.87	0.000	0.003
221	Total Mono-PCBs				1.1886	1.000	0.00	0.000	ND	2.884
222	Total Di-PCBs				1.0537	1.000	0.00	0.000	ND	11.38
223	2nd Function Tri-PCBs				1.0667	1.000	0.00	0.000	ND	7.632
224	3rd Function Tri-PCBs				0.8528	1.000	0.00	0.000	ND	16.71
225	Total Tetra-PCBs				1.0778	1.000	0.00	0.000	ND	40.38
226	2nd Function Penta-PCBs				1.2167	1.000	0.00	0.000	ND	38.97
227	4th Function Penta-PCBs				1.0735	1.000	0.00	0.000	ND	4.785
228	3rd Function Hexa-PCBs				0.8835	1.000	0.00	0.000	ND	13.32
229	4th Function Hexa-PCBs				1.0518	1.000	0.00	0.000	ND	28.46
230	2nd 4th Function Octa-PCBs				1.0000	1.000	0.000	0.000	ND	8.216

Peak	Area	Height	Width	Retention	Abundance	Concentration	Response	Integration	Quality	Label
131	PCB-188	43.03	43.01	0.00e+00	0.00e+00	1.000	1.01	ND	0.01800	0.01821
132	PCB-184	43.48	43.48	0.20e+00	0.20e+00	1.000	0.98	ND	1.0000	1.0000
133	PCB-178	44.27	44.28	0.44e+00	0.47e+00	1.000	1.00	ND	0.00000	0.00000
134	PCB-176	44.74	44.77	0.82e+00	0.48e+00	1.000	1.07	ND	1.0000	1.0000
135	PCB-188	46.38	46.38	0.00e+00	0.00e+00	1.000	0.98	ND	1.0000	1.0000
136	PCB-178	46.88	46.88	0.00e+00	4.88e+00	1.000	1.00	ND	1.0000	1.0000
137	PCB-176	48.24	48.24	4.88e+00	4.88e+00	1.000	1.01	ND	0.00000	0.00000
138	PCB-182/187	48.42	48.42	1.00e+00	1.00e+00	1.000	1.08	ND	1.0110	1.0110
139	PCB-188	48.78	48.78	0.20e+00	4.70e+00	1.000	1.12	ND	0.00000	0.00000



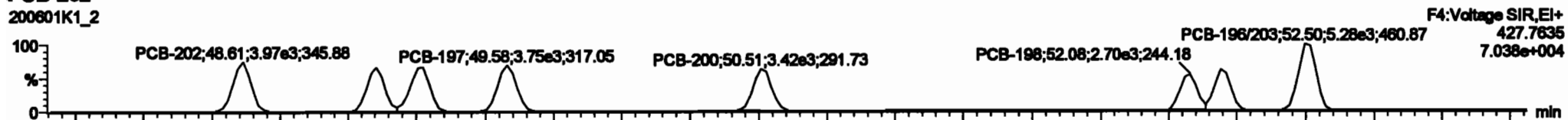
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

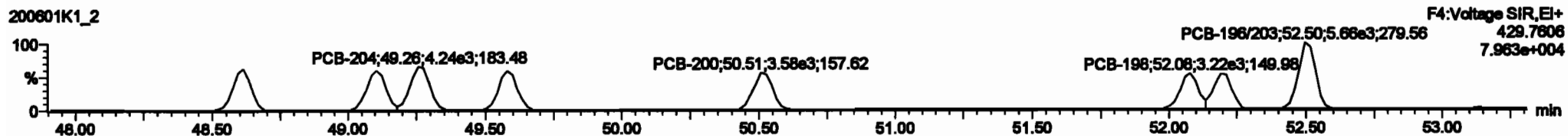
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**PCB-202**

200601K1\_2

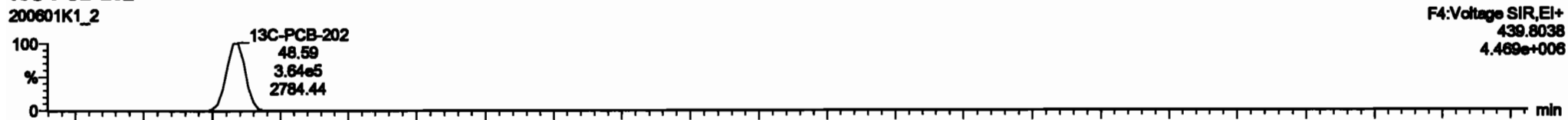


200601K1\_2

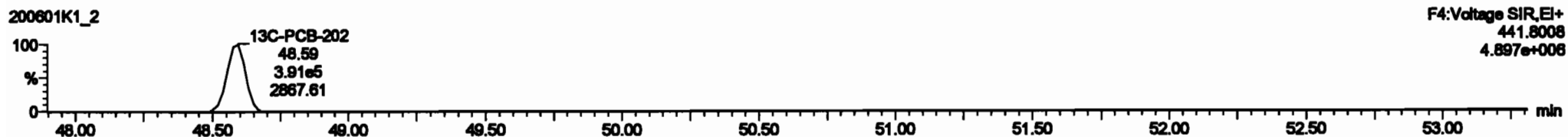


**13C-PCB-202**

200601K1\_2

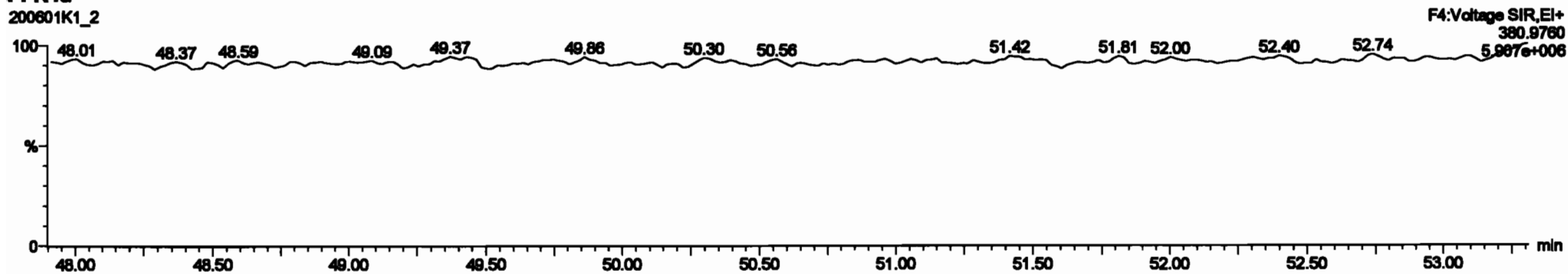


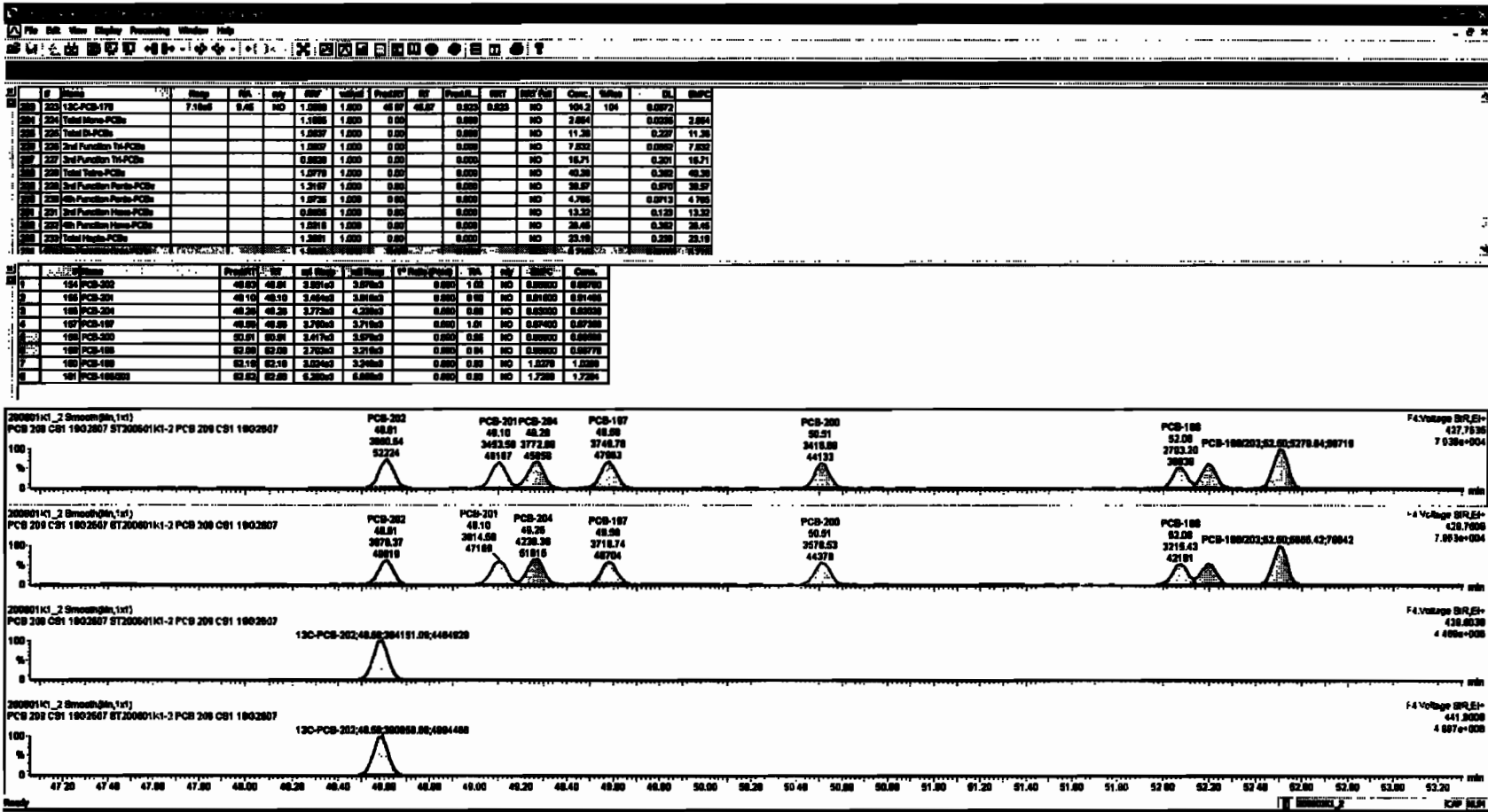
200601K1\_2



**PFK4d**

200601K1\_2







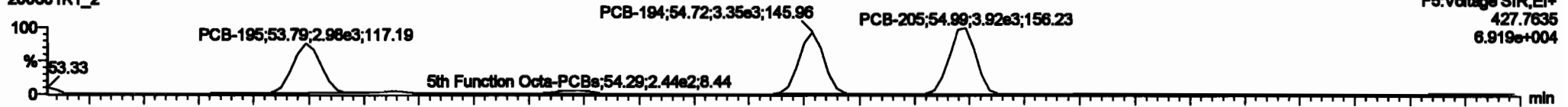
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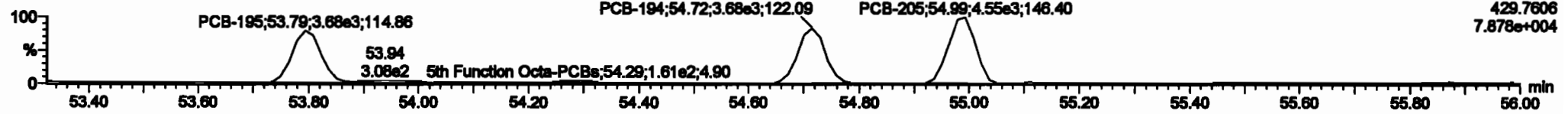
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**PCB-195**

200601K1\_2

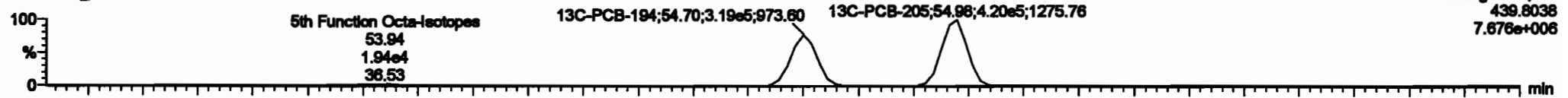


200601K1\_2

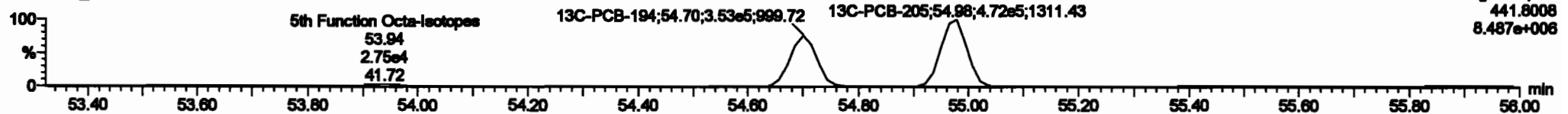


**13C-PCB-194**

200601K1\_2

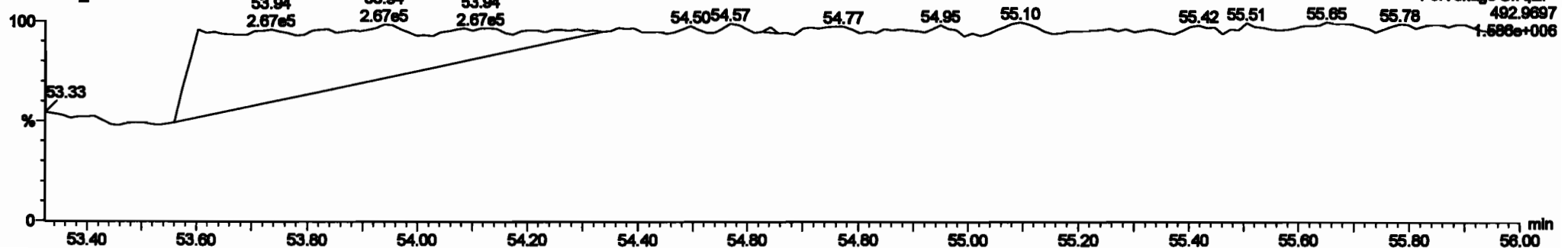


200601K1\_2



**PFK5a**

200601K1\_2



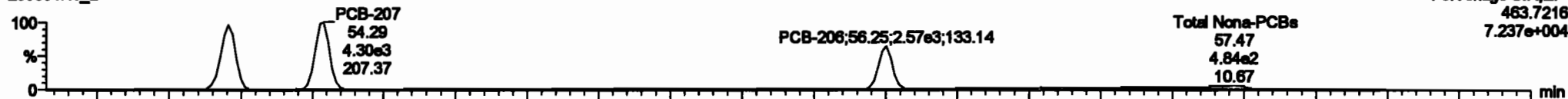
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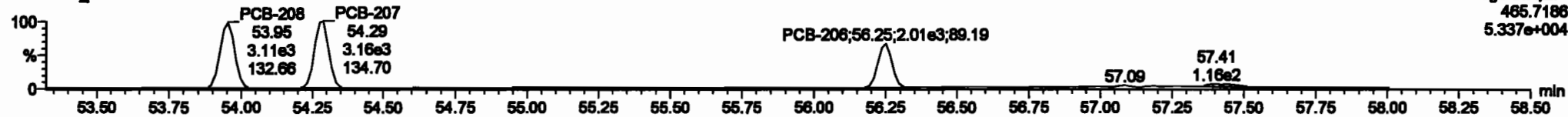
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PCB-208

200601K1\_2

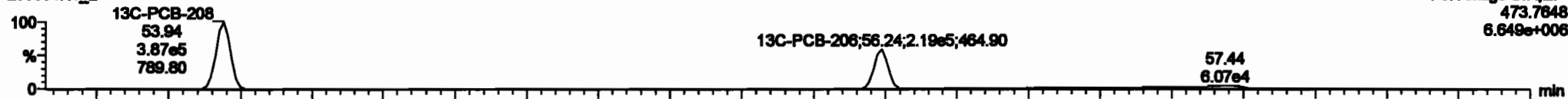


200601K1\_2

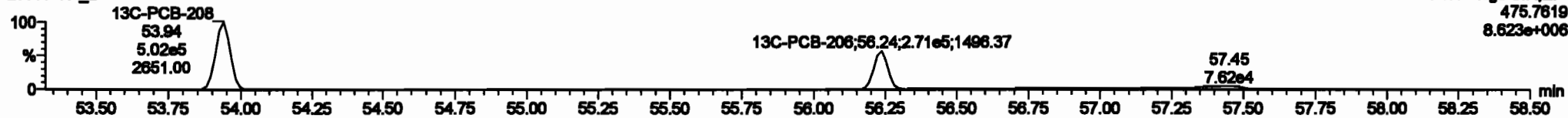


13C-PCB-208

200601K1\_2

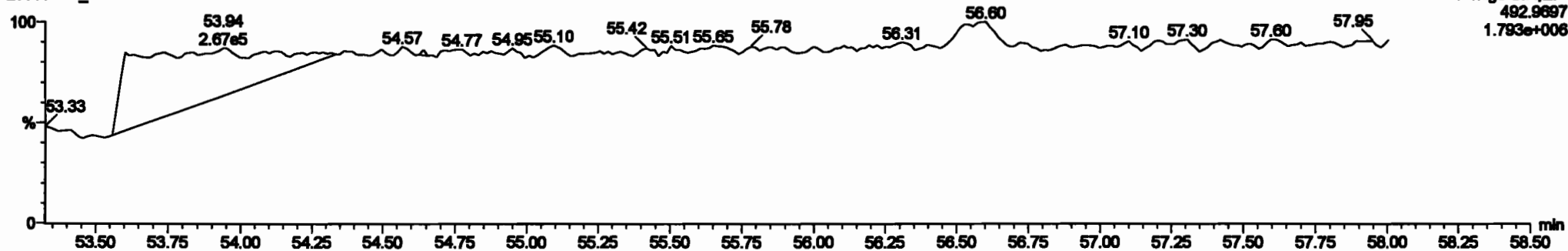


200601K1\_2



PFK5

200601K1\_2



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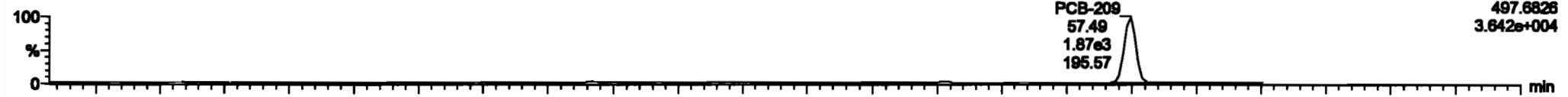
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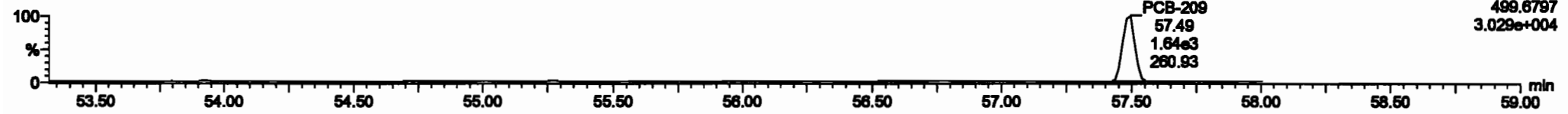
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**PCB-209**

200601K1\_2

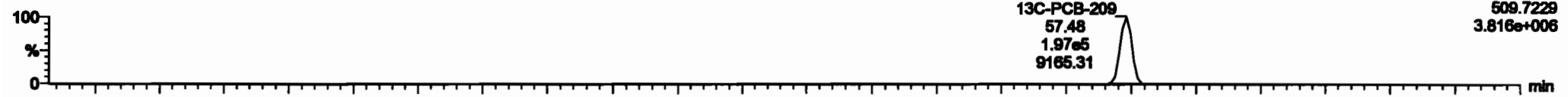


200601K1\_2

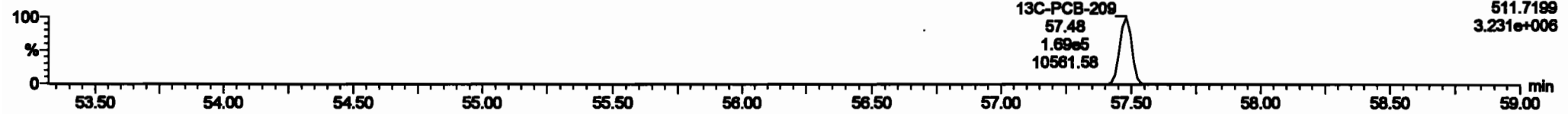


**13C-PCB-209**

200601K1\_2

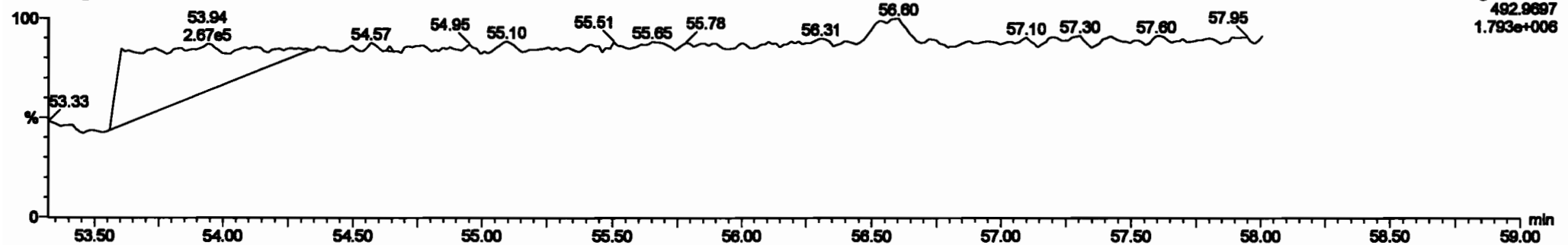


200601K1\_2



**PFK5b**

200601K1\_2



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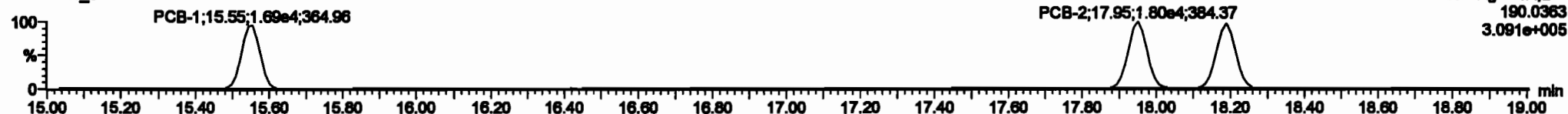
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PCB-1

200601K1\_3



200601K1\_3

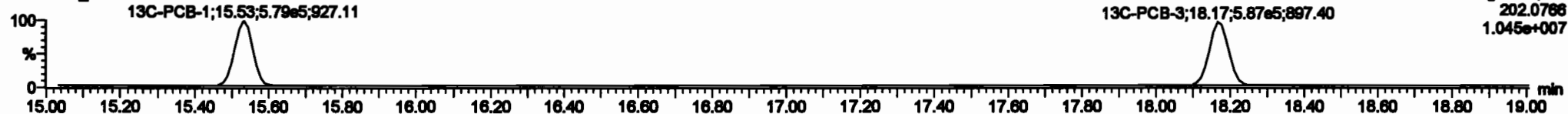


13C-PCB-1

200601K1\_3

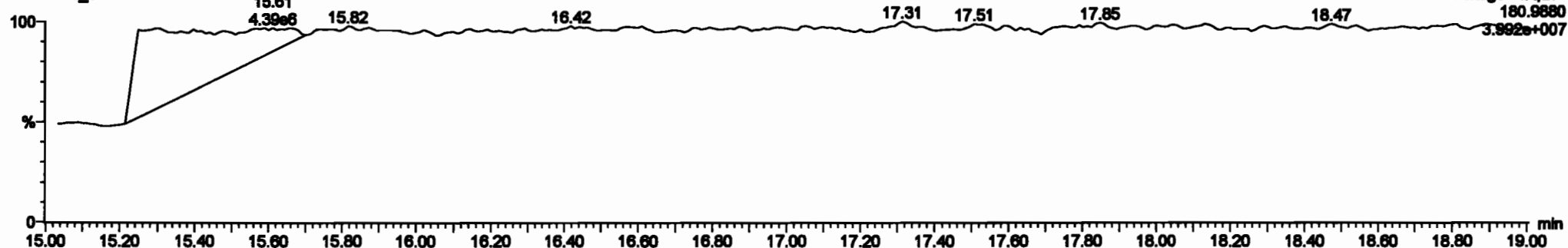


200601K1\_3



PFK1

200601K1\_3



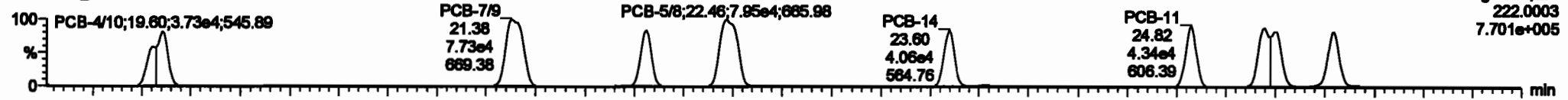
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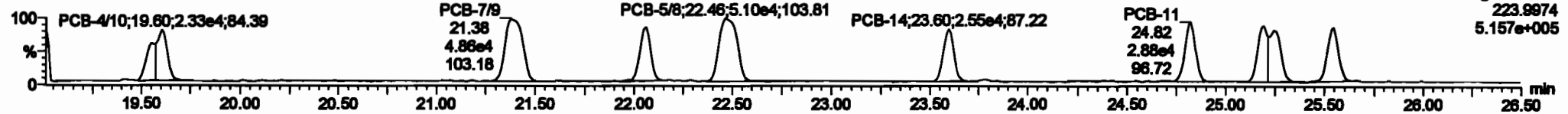
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PCB-4/10

200601K1\_3

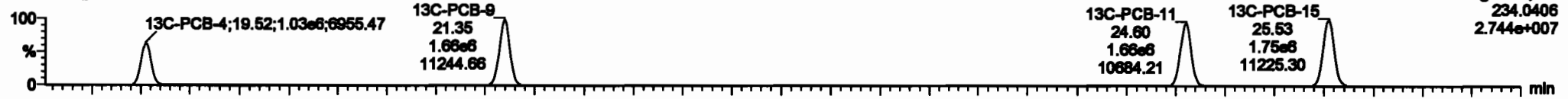


200601K1\_3

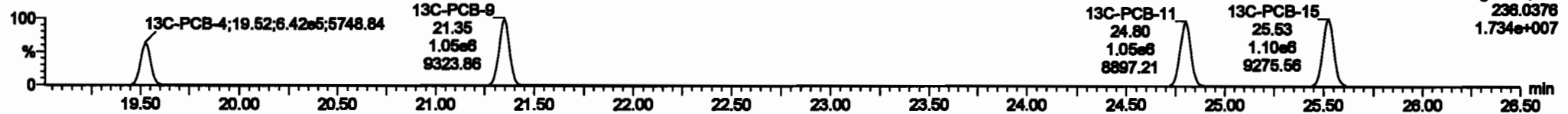


13C-PCB-4

200601K1\_3

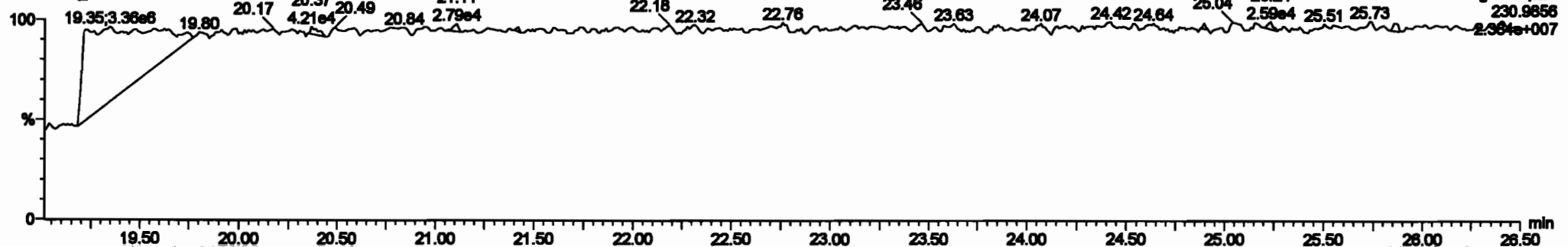


200601K1\_3



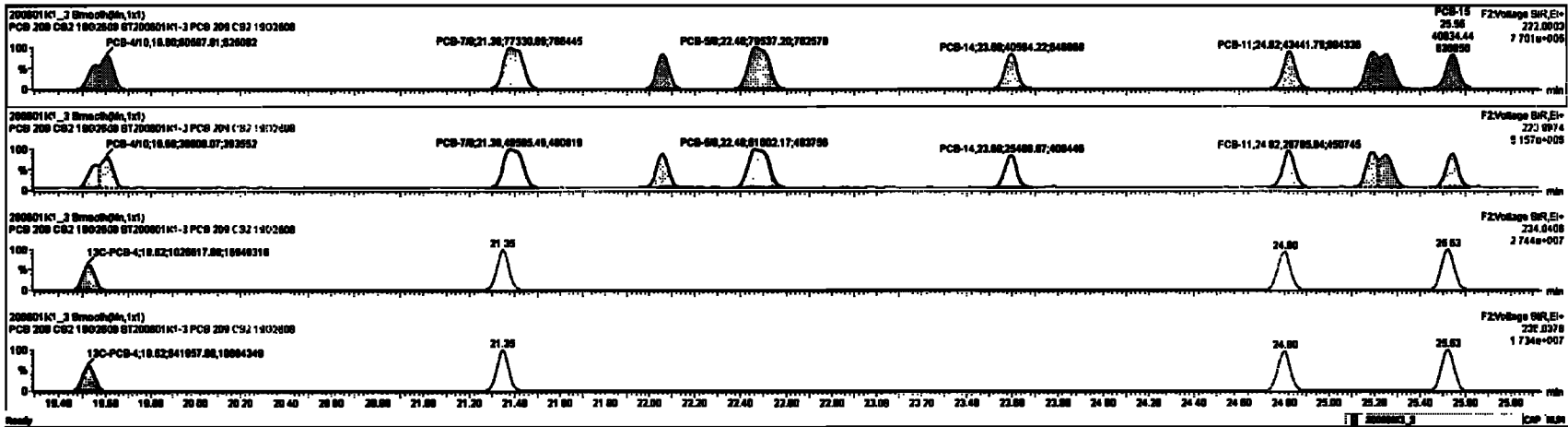
PFK2a

200601K1\_3



#	Name	Resp	RA	dy	RF	Offset	Peak	RT	Peak	RT	Peak	RT	Peak	RT	Area	Wt%	SL	BFPC
210	13C-PCB-00	1.21mV	0.70	NO	1.0000	1.000	30.00	30.00	1.000	0.000	NO	100.0	100	0.0000				
211	13C-PCB-111	1.17mV	1.02	NO	1.0000	1.000	30.25	30.25	1.000	0.000	NO	100.0	100	0.0000				
212	13C-PCB-128	0.70mV	1.25	NO	1.0000	1.000	40.00	40.00	1.000	0.000	NO	100.0	100	0.1700				
213	13C-PCB-105	7.20mV	0.46	NO	1.0000	1.000	48.43	48.43	0.000	0.000	NO	100.0	100	0.0000				
214	13C-PCB-208	0.80mV	0.80	NO	1.0000	1.000	04.00	04.00	1.000	0.000	NO	100.0	100	0.1400				
215	13C-PCB-70	1.20mV	0.70	NO	1.0000	1.000	37.70	37.70	1.000	1.000	NO	100.0	100	0.0000				
216	13C-PCB-170	7.20mV	0.44	NO	0.7000	1.000	45.00	45.00	0.000	0.000	NO	87.23	87.2	0.0000				
217	13C-PCB-70	1.20mV	0.70	NO	1.0000	1.000	37.70	37.70	0.000	0.000	NO	95.07	95.0	0.0000				
218	13C-PCB-170	7.20mV	0.44	NO	1.0000	1.000	45.00	45.00	0.000	0.000	NO	85.10	85.2	0.0000				
219	Total Non-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	7.210	0.000	0.0000			7.210	

#	Name	Peak	RT	Peak	RT	Area	Wt%	BFPC	Gain
0	4-PCB-490	10.00	10.00	0.000mV	0.000mV	1.000	1.00	4.7700	4.7700
1	6-PCB-70	21.41	21.30	2.700mV	0.000mV	1.000	1.00	4.0400	4.0400
2	6-PCB-70	20.00	20.00	4.010mV	2.000mV	1.000	1.00	2.3070	2.3070
3	7-PCB-60	23.40	23.40	7.000mV	0.100mV	1.000	1.00	4.0000	4.0000
4	8-PCB-14	23.01	23.00	4.000mV	2.500mV	1.000	1.00	2.3070	2.3000
5	8-PCB-14	24.00	24.00	4.000mV	2.000mV	1.000	1.00	2.3000	2.3000
6	10-PCB-1203	26.28	26.20	0.210mV	0.130mV	1.000	1.00	4.7000	4.7000
7	11-PCB-16	26.97	26.90	4.000mV	2.700mV	1.000	1.00	2.4040	2.4000

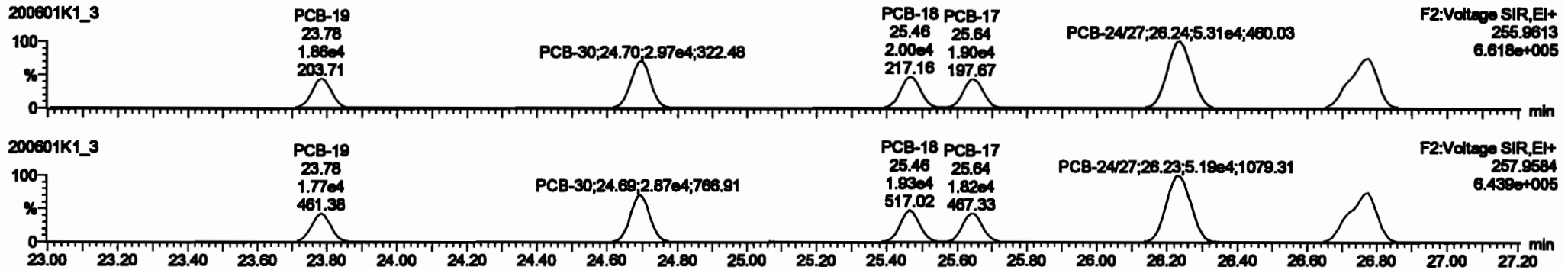


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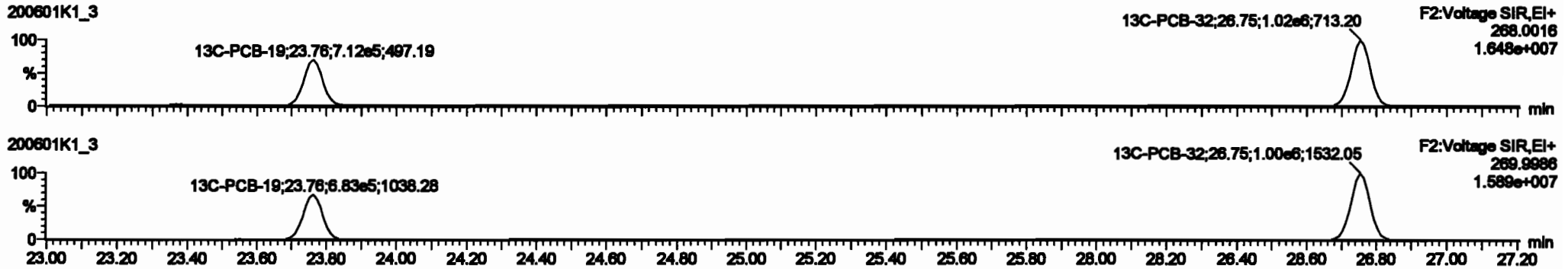
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

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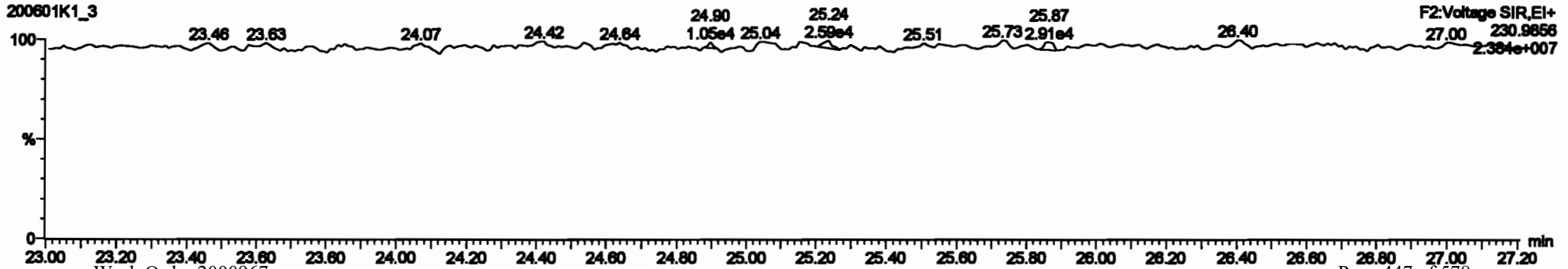
PCB-19



13C-PCB-19

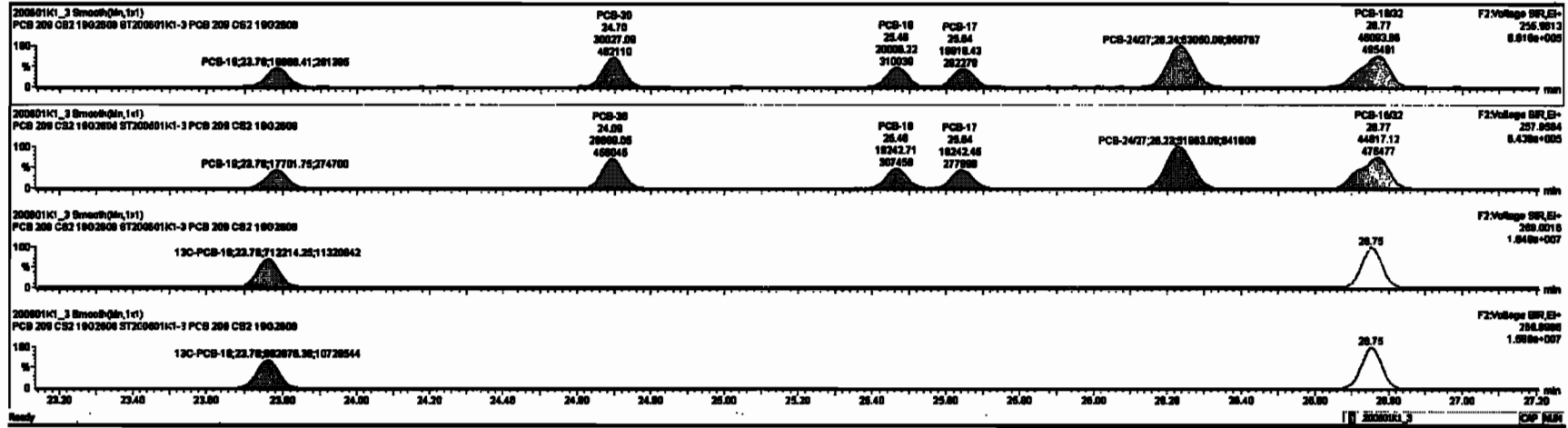


PFK2b



Peak	Retention Time (min)	Area	Height	Width	Resolution	Signal-to-Noise	Integration	Identification	Concentration					
216	13C-PCB-80	1.01e6	0.78	NO	1.0000	1.000	26.88	26.88	1.000	0.000	NO	100.0	100	0.0021
218	13C-PCB-111	1.17e6	1.82	NO	1.0000	1.000	26.26	26.26	1.000	0.000	NO	100.0	100	0.0072
217	13C-PCB-128	8.76e5	1.25	NO	1.0000	1.000	48.80	48.80	1.000	0.000	NO	100.0	100	0.120
218	13C-PCB-182	7.28e5	0.48	NO	1.0000	1.000	48.43	48.43	0.000	0.000	NO	100.0	100	0.0033
218	13C-PCB-205	8.85e5	0.80	NO	1.0000	1.000	64.88	64.88	1.000	0.000	NO	100.0	100	0.148
220	13C-PCB-76	1.83e6	0.78	NO	1.0000	1.000	37.76	37.76	1.000	1.000	NO	88.47	88.5	0.0091
221	13C-PCB-478	7.23e5	0.44	NO	0.7885	1.000	46.80	46.80	0.000	0.000	NO	87.25	87.2	0.0062
220	13C-PCB-76	1.83e6	0.78	NO	1.0021	1.000	37.76	37.76	0.000	0.000	NO	88.87	88.0	0.0094
220	13C-PCB-478	7.23e5	0.44	NO	1.0038	1.000	46.87	46.88	0.000	0.000	NO	88.16	88.2	0.0062
220	Total Mono-PCBs				1.1088	1.000	0.00	0.00	0.000	0.000	NO	7.216		0.0216
220	Total Di-PCBs				1.8887	1.000	0.00	0.00	0.000	0.000	NO	28.88		0.376

Peak	Retention Time (min)	Area	Height	Width	Resolution	Signal-to-Noise	Integration	Identification	Concentration	
12	PCB-16	23.78	23.78	1.889e4	1.770e4	1.040	1.08	NO	2.2870	2.2888
13	PCB-38	24.80	24.78	3.003e4	2.889e4	1.040	1.08	NO	2.2488	2.2481
14	PCB-16	26.48	26.48	2.001e4	1.824e4	1.040	1.04	NO	2.2700	2.2702
15	PCB-17	26.84	26.84	1.883e4	1.824e4	1.040	1.04	NO	2.4320	2.4187
16	PCB-24/27	28.28	28.24	8.208e4	8.788e4	1.040	1.08	NO	4.7880	4.7878
17	PCB-18/22	28.77	28.77	4.808e4	4.828e4	1.040	1.08	NO	4.8810	4.8810



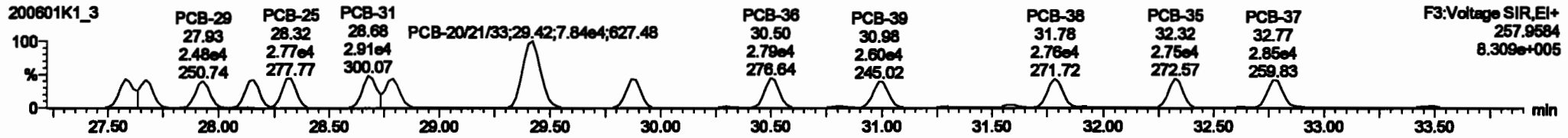
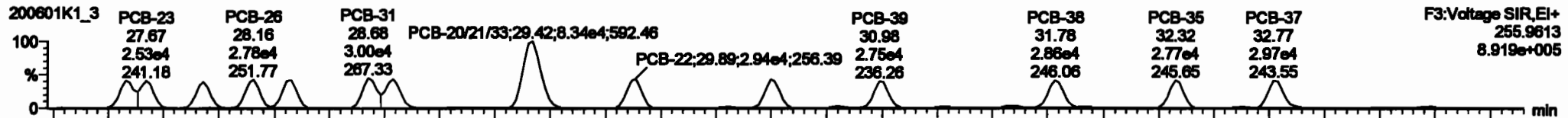


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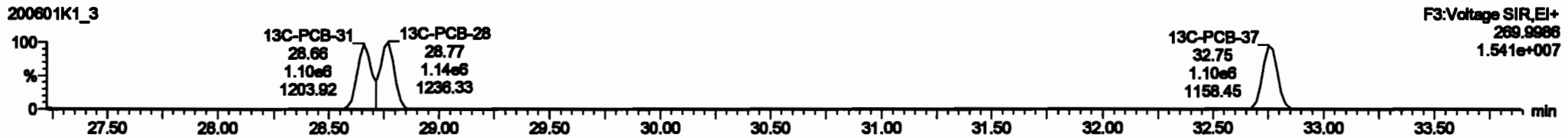
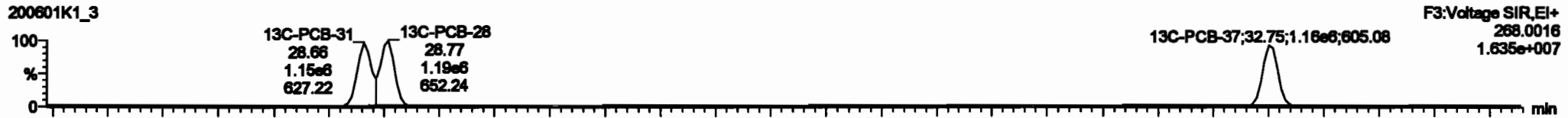
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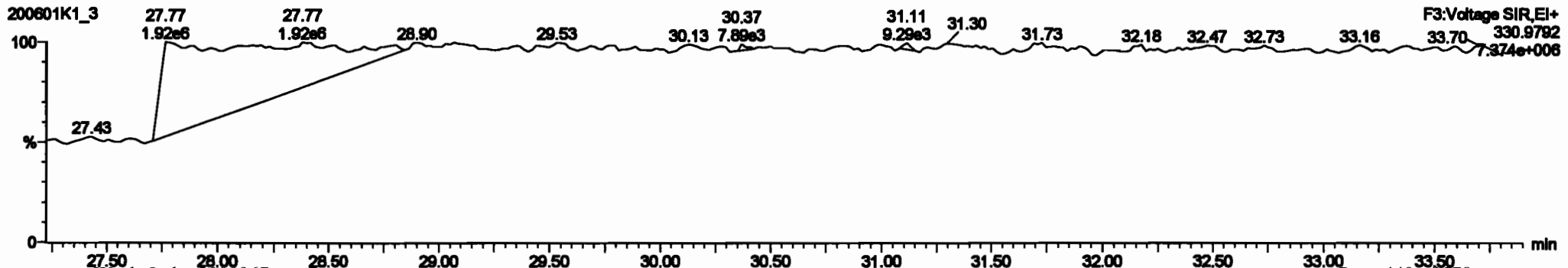
**PCB-34**



**13C-PCB-28**

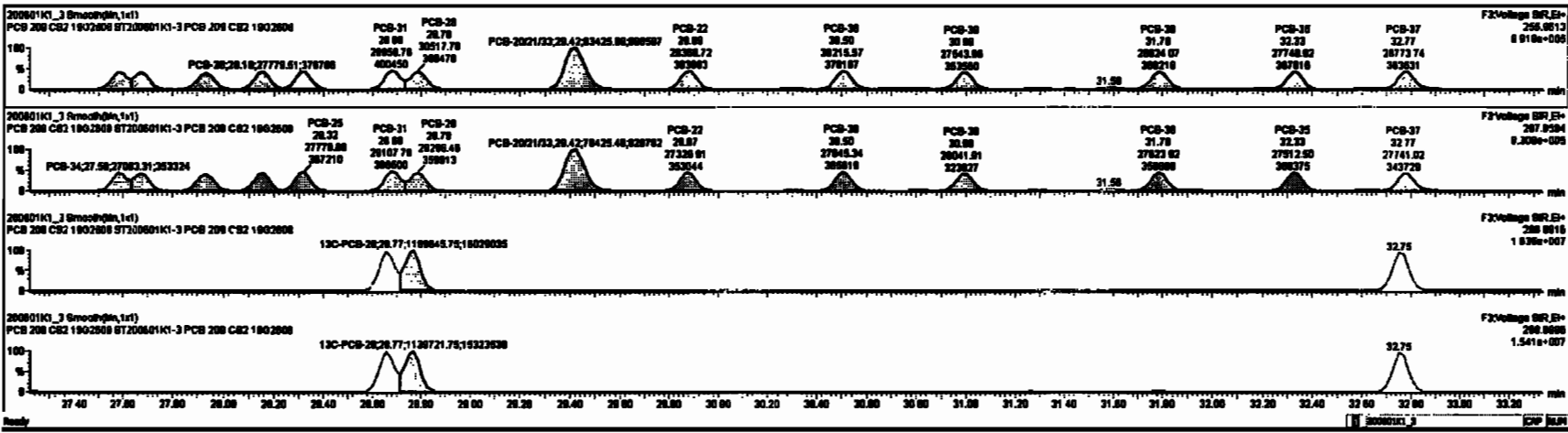


**PFK3d**



#	Name	Step	BA	Qty	MP	Cost	Prod	ST	Prod	ST	MP	Cost	Prod	ST	MP	Cost	Prod
230	Total Value-PCBs				1,0776	1,000	0.00	0.000	NO	191.0		0.332	191.0				
230	2nd Function Parts-PCBs				1,3197	1,000	0.00	0.000	NO	97.92		0.391	97.92				
230	4th Function Parts-PCBs				1,0736	1,000	0.00	0.000	NO	12.19		0.009	12.19				
230	2nd Function Hous-PCBs				0.0000	1,000	0.00	0.000	NO	32.80		0.009	32.80				
230	4th Function Hous-PCBs				1,0016	1,000	0.00	0.000	NO	66.73		0.272	66.73				
230	Total Hous-PCBs				1,0016	1,000	0.00	0.000	NO	97.74		0.488	97.74				
230	4th Function Oute-PCBs				1,0000	1,000	0.00	0.000	NO	21.80		0.000	21.80				
230	6th Function Oute-PCBs				1,1488	1,000	0.00	0.000	NO	6.674		0.000	6.674				
230	Total Hous-PCBs				0.0000	1,000	0.00	0.000	NO	7.284		0.000	7.284				
230	Total PCBs				0.0004	1,000	0.00	0.000	NO	2.430		0.000	2.430				

#	Name	Step	BA	Qty	MP	Cost	Prod	ST	Prod	ST	MP	Cost	Prod	ST	MP	Cost	Prod
18	PCB-24				27.00	27.00	2.700e+4	2.700e+4	1.040	1.02	NO	2.4040	2.4040				
19	PCB-25				27.00	27.00	2.620e+4	2.620e+4	1.040	1.04	NO	2.4000	2.4000				
20	PCB-26				27.00	27.00	2.680e+4	2.680e+4	1.040	1.01	NO	2.4200	2.4200				
21	PCB-28				28.10	28.10	2.770e+4	2.770e+4	1.040	1.07	NO	2.4400	2.4380				
22	PCB-29				28.31	28.31	2.870e+4	2.770e+4	1.040	1.09	NO	2.4600	2.8620				
23	PCB-31				28.00	28.00	2.800e+4	2.810e+4	1.040	1.09	NO	2.4470	2.4670				
24	PCB-32				28.70	28.70	3.000e+4	2.830e+4	1.040	1.09	NO	2.4600	2.4620				
25	PCB-2021483				28.40	28.40	0.940e+4	7.840e+4	1.040	1.09	NO	2.3600	7.2917				
26	PCB-32				28.00	28.00	2.800e+4	2.720e+4	1.040	1.09	NO	2.4600	2.4600				



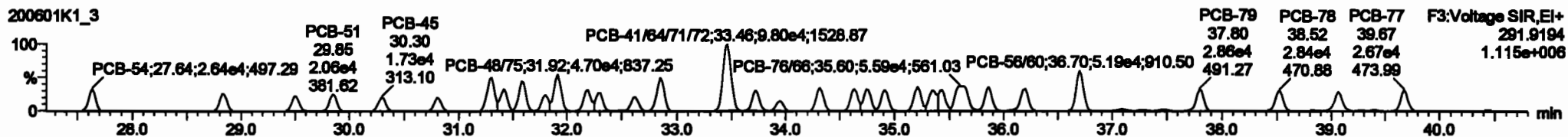
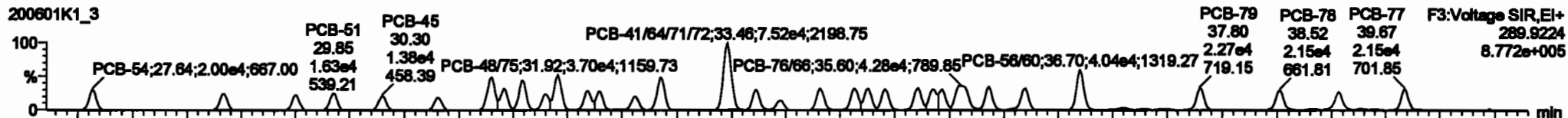
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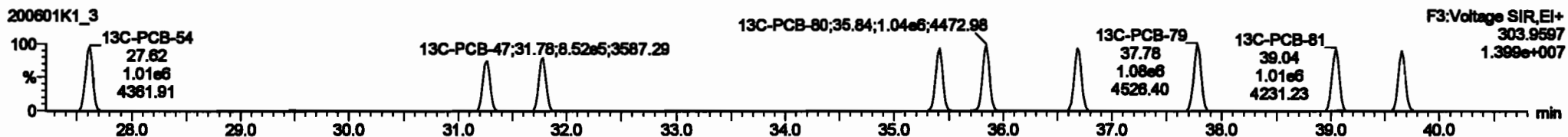
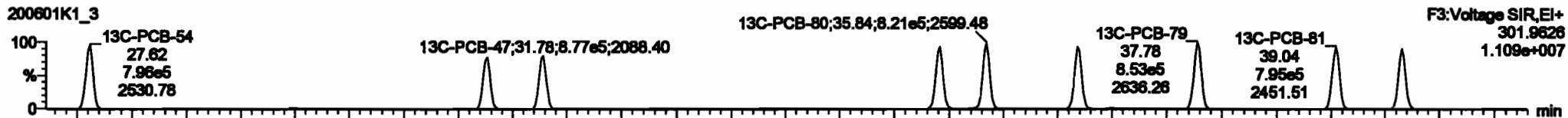
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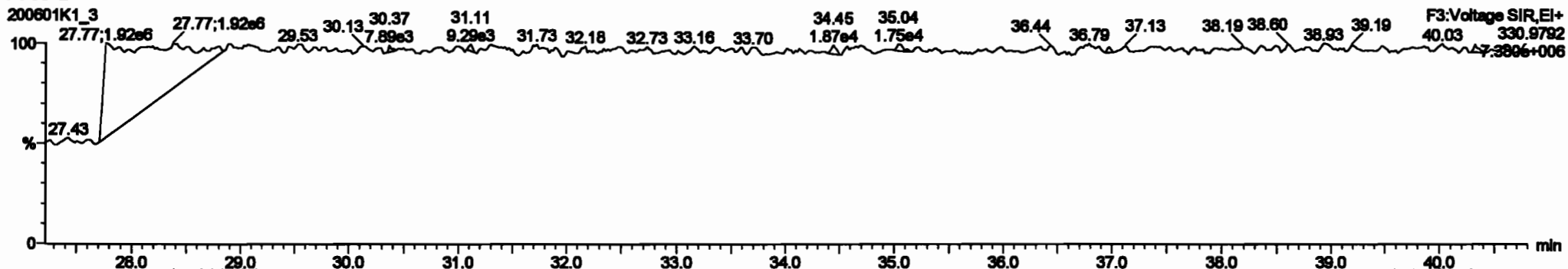
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

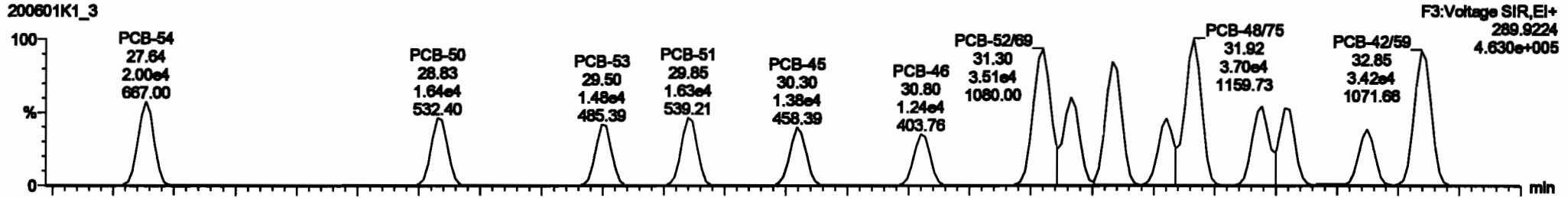
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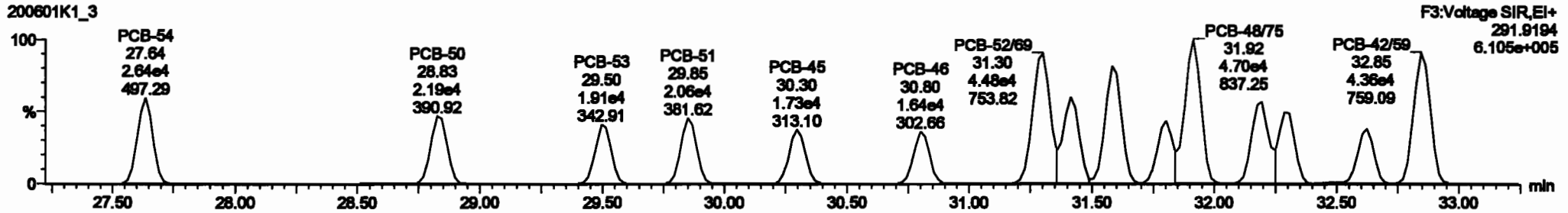
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PCB-50

200601K1\_3

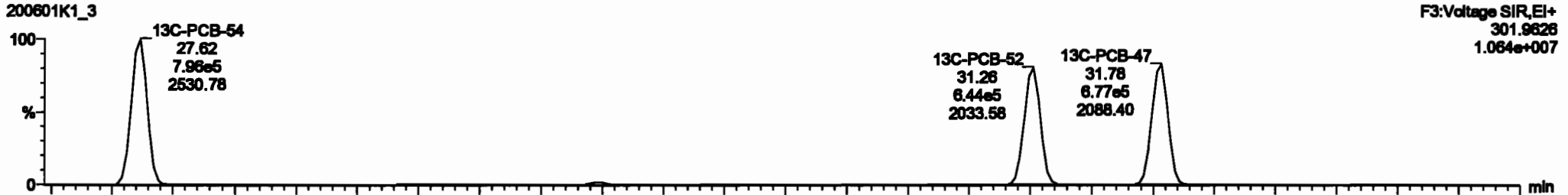


200601K1\_3

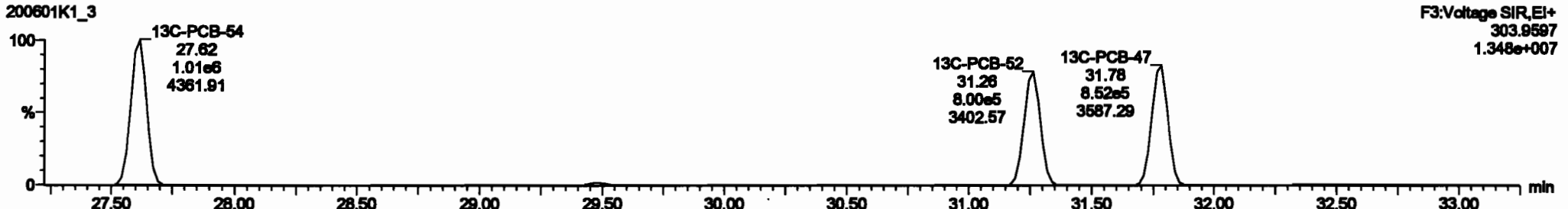


13C-PCB-52

200601K1\_3



200601K1\_3



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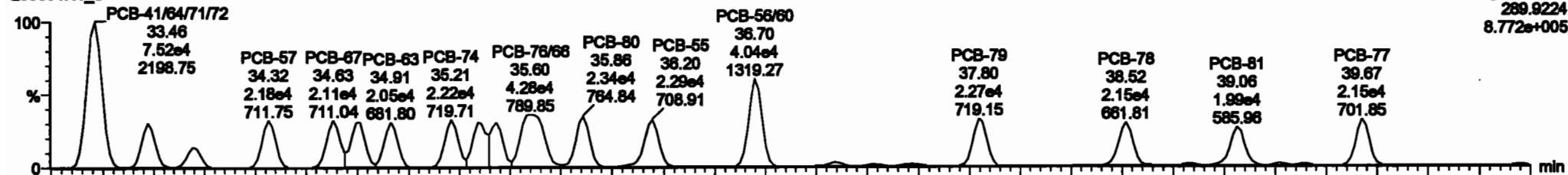
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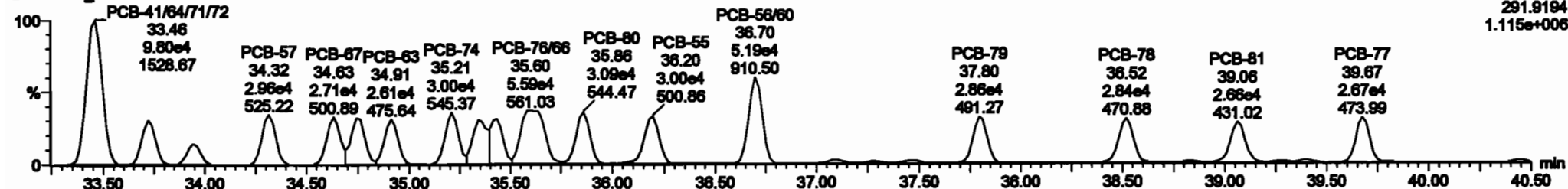
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PCB-68

200601K1\_3

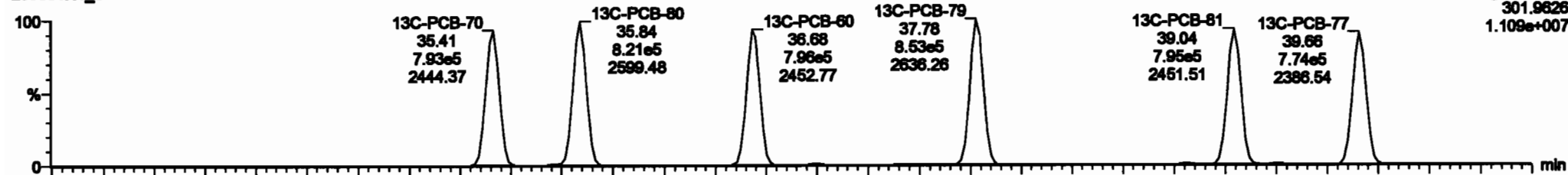


200601K1\_3

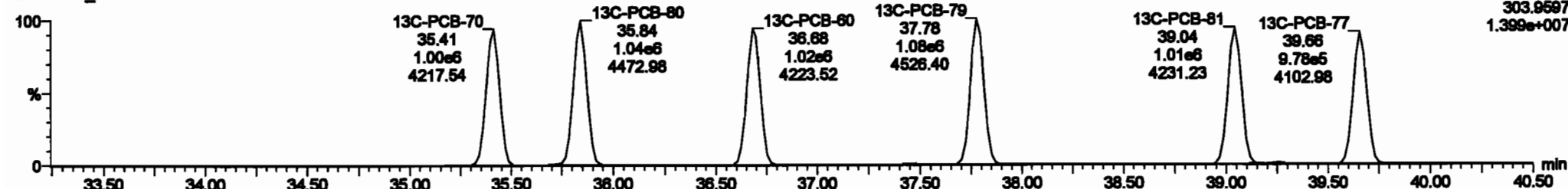


13C-PCB-60

200601K1\_3

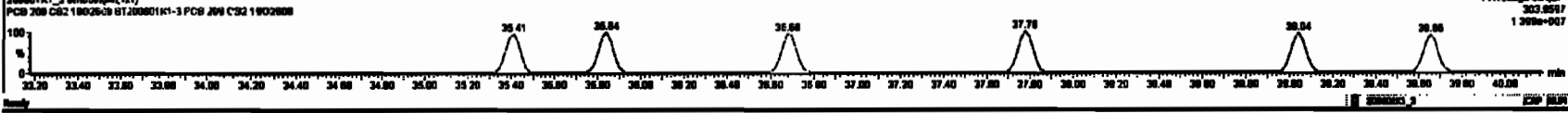
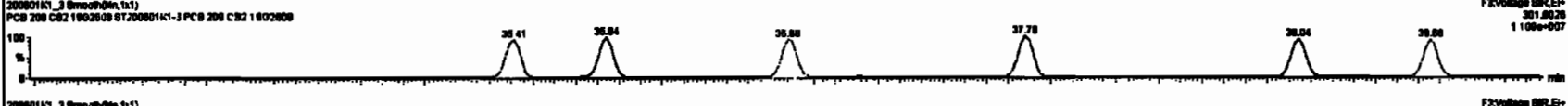
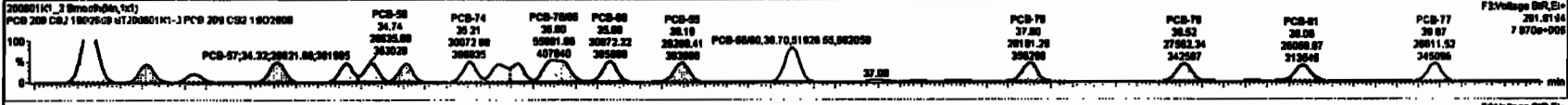
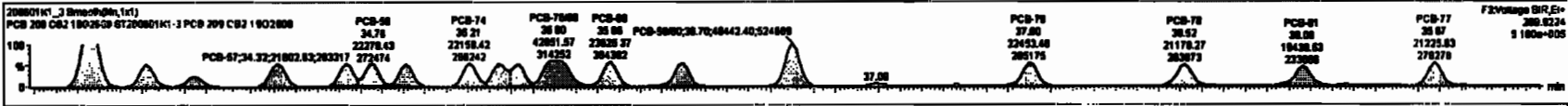


200601K1\_3



#	Mass	Resp	RA	Rel	RR	val	Rel	RT	Pre	RT	RT	Comp	Area	Area	Area
227	2nd Puriton Tri-PCBs				0.0020	1.000	0.00	0.000		MD	38.01		0.204	38.01	
228	2nd Puriton Penta-PCBs				1.2187	1.000	0.80	0.000		MD	37.83		8.371	37.83	
229	4th Puriton Penta-PCBs				1.0736	1.000	0.00	0.000		MD	12.18		0.0070	12.18	
230	2nd Puriton Hepta-PCBs				0.0000	1.000	0.00	0.000		MD	33.88		0.0070	33.88	
231	4th Puriton Hepta-PCBs				1.0016	1.000	0.00	0.000		MD	38.73		0.372	38.73	
232	Total Hepta-PCBs				1.3881	1.000	0.00	0.000		MD	37.74		0.488	37.74	
233	2nd Puriton Octa-PCBs				1.0000	1.000	0.00	0.000		MD	31.88		0.000	31.88	
234	4th Puriton Octa-PCBs				1.1488	1.000	0.00	0.000		MD	38.94		0.004	38.94	
235	Total Octa-PCBs				0.0020	1.000	0.00	0.000		MD	7.284		0.0007	7.284	
236	Total PCBs				0.0004	1.000	0.00	0.000		MD	2.423		0.0070	2.423	

#	Mass	Pre	RT	Rel	RR	1st	RA	Rel	RR	Comp
30	PCB-81	27.84	27.84	1.880e4	2.880e4	0.770	0.76	MD	2.3770	2.3771
31	PCB-82	28.80	28.80	1.880e4	2.880e4	0.770	0.76	MD	2.6140	2.6139
32	PCB-83	28.80	28.80	1.880e4	2.880e4	0.770	0.76	MD	2.3880	2.3848
33	PCB-84	28.80	28.80	1.880e4	2.880e4	0.770	0.76	MD	2.3880	2.3876
34	PCB-85	30.30	30.30	1.370e4	1.720e4	0.770	0.80	MD	2.8070	2.8076
35	PCB-86	30.30	30.30	1.370e4	1.720e4	0.770	0.79	MD	2.8080	2.8116
36	PCB-87	31.30	31.30	1.050e4	4.070e4	0.770	0.76	MD	4.7420	4.7426
37	PCB-72	31.41	31.41	2.150e4	2.780e4	0.770	0.77	MD	2.3830	2.3833
38	PCB-49/88	31.80	31.80	3.050e4	7.880e4	0.770	0.76	MD	4.8820	4.8818



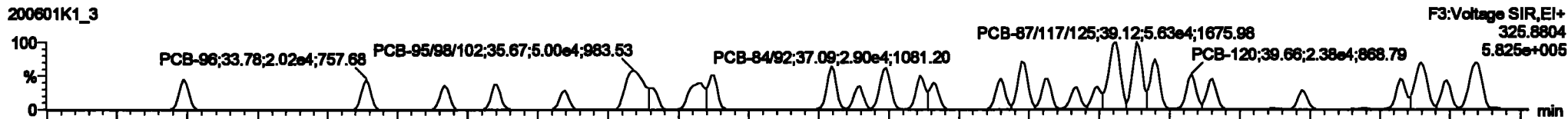
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

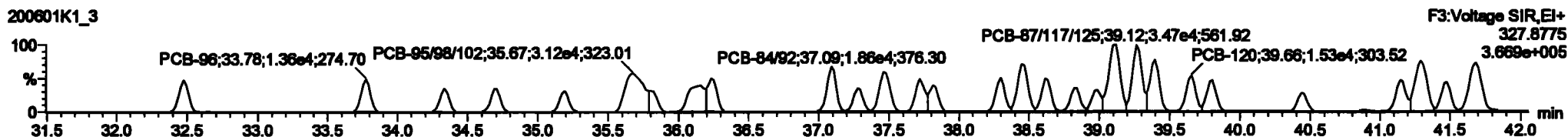
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**PCB-104**

200601K1\_3

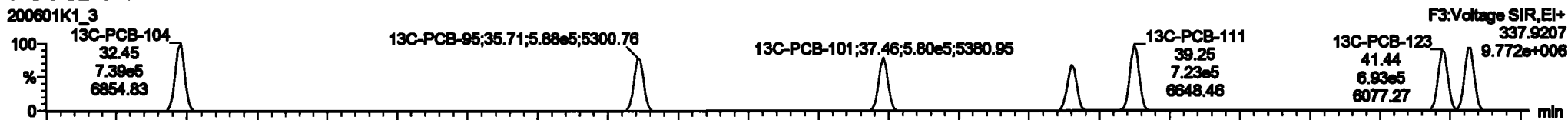


200601K1\_3

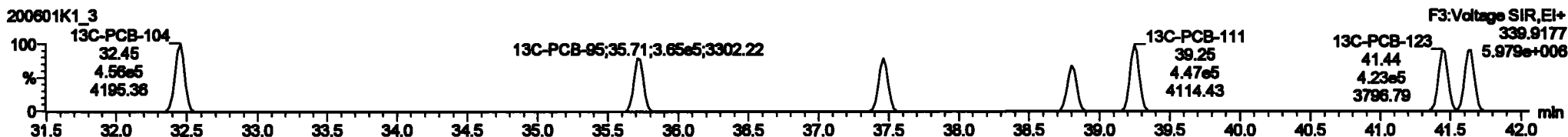


**13C-PCB-104**

200601K1\_3

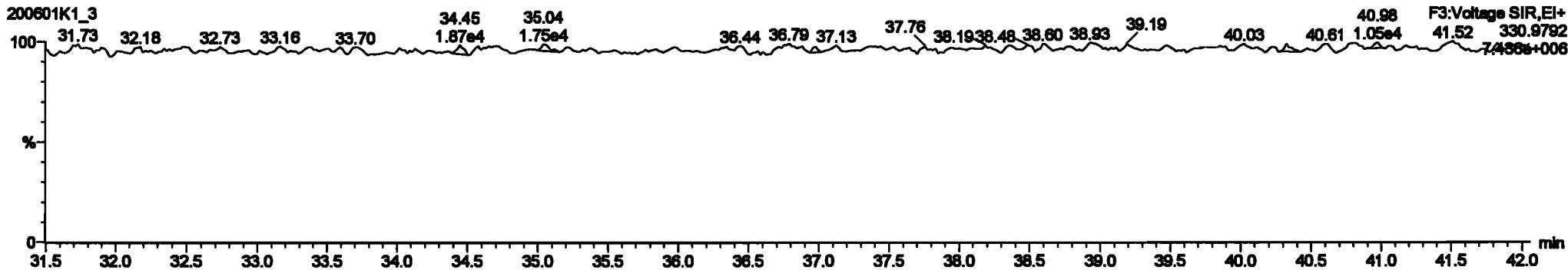


200601K1\_3



**PFK3b**

200601K1\_3

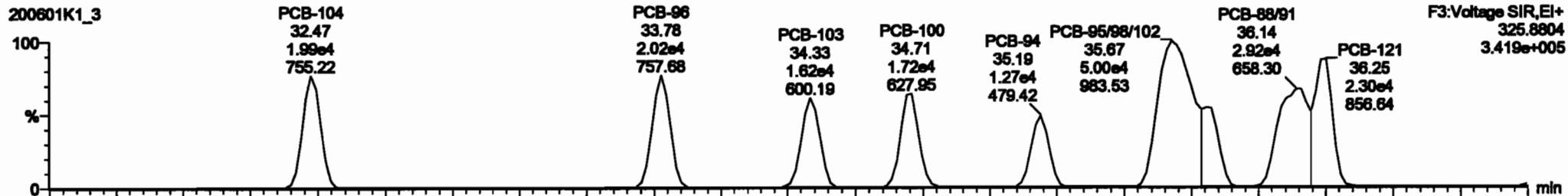


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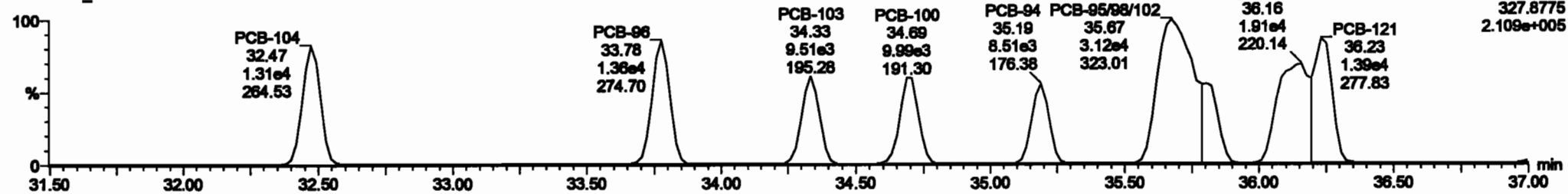
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

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**PCB-96**



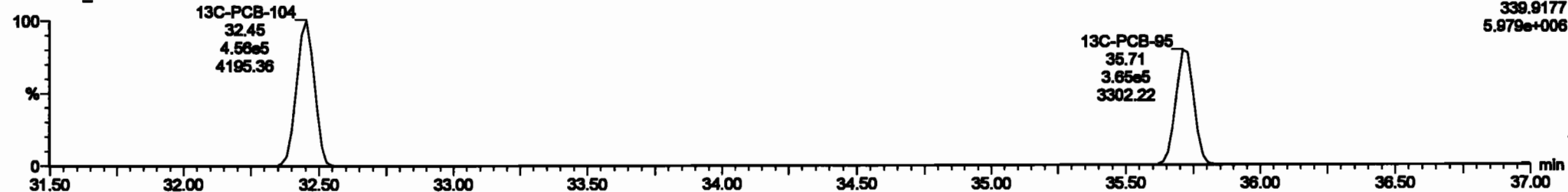
200601K1\_3



**13C-PCB-95**



200601K1\_3



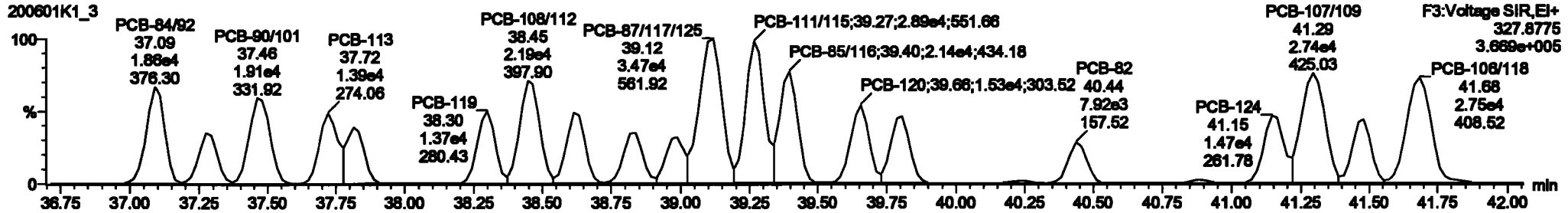
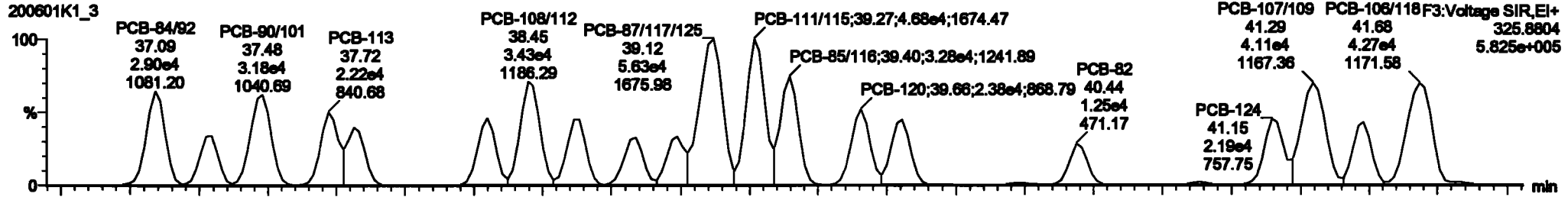


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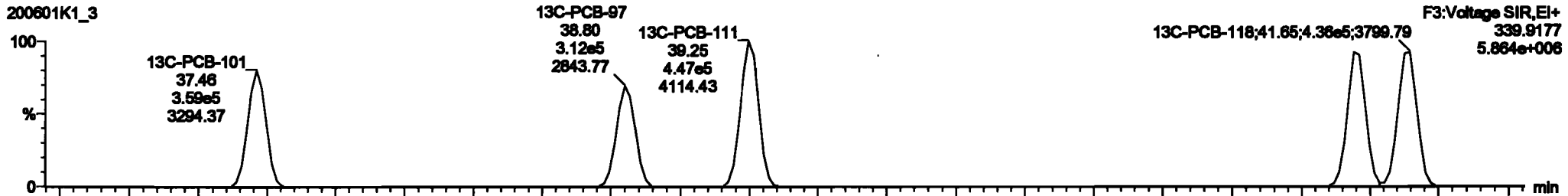
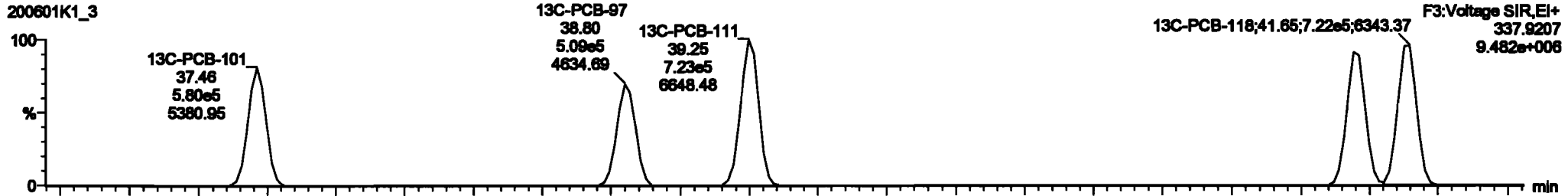
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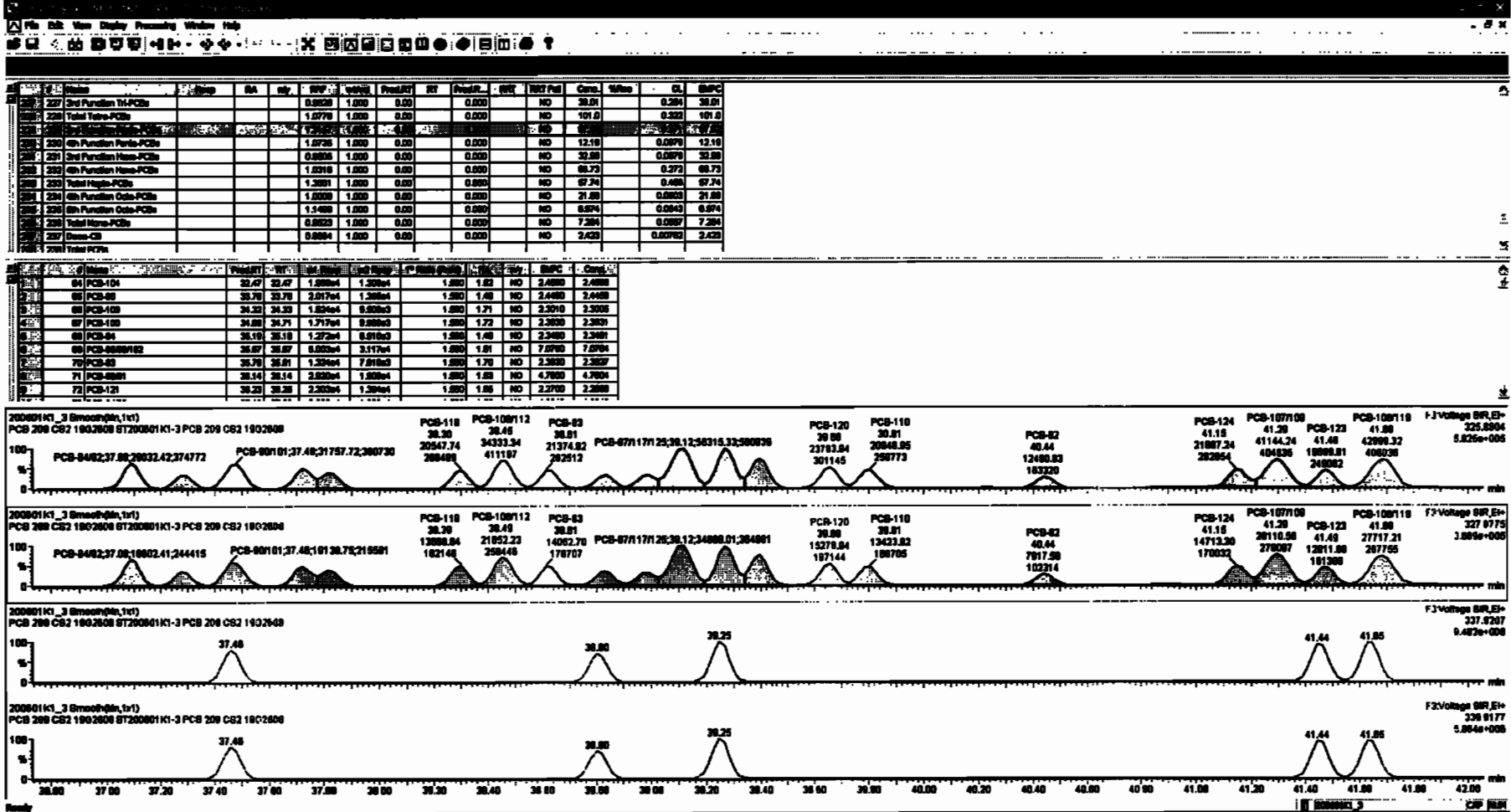
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PCB-119



13C-PCB-111



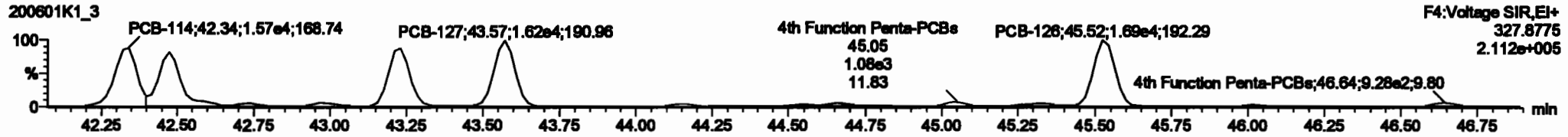
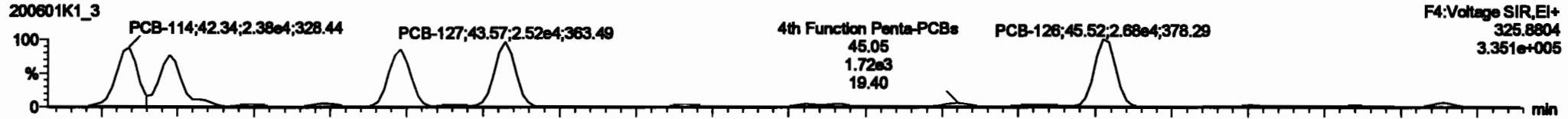


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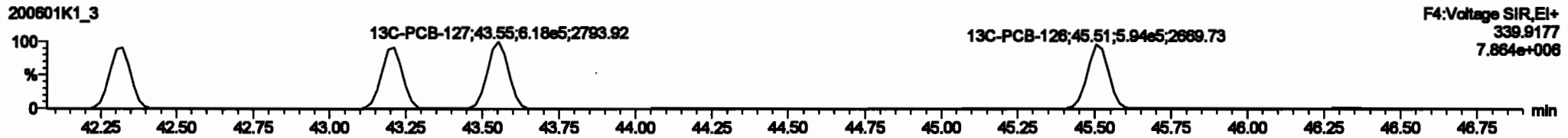
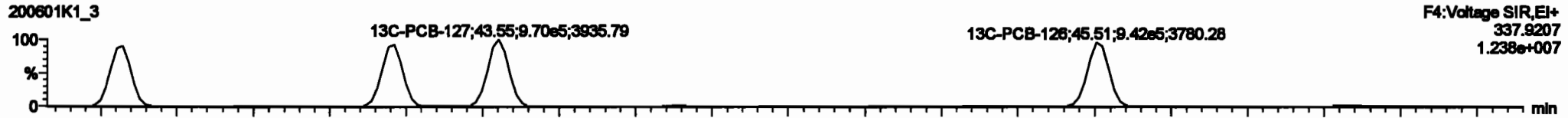
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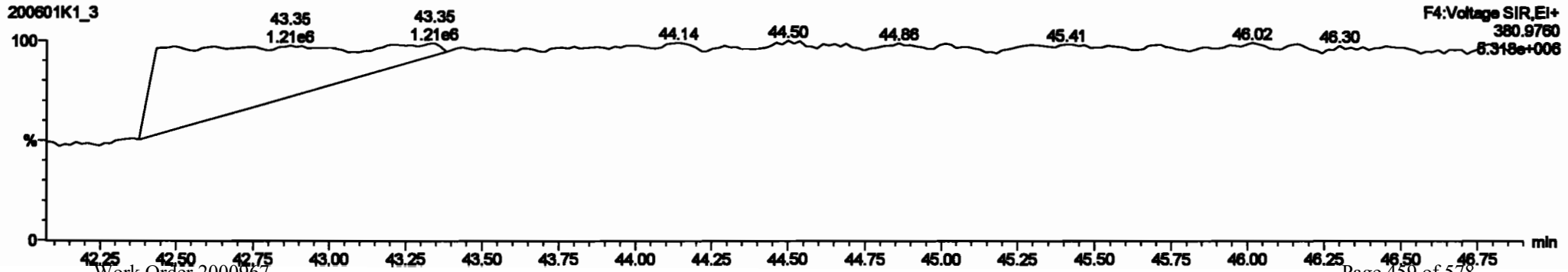
**PCB-114**



**13C-PCB-114**

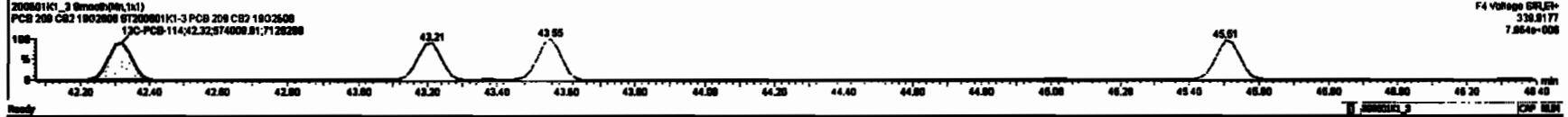
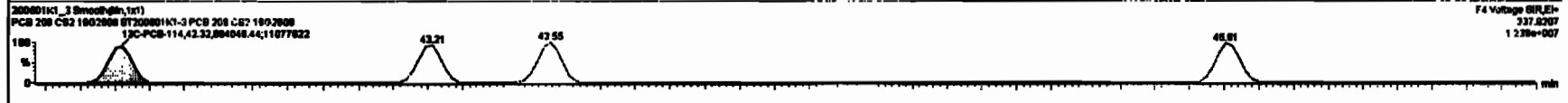
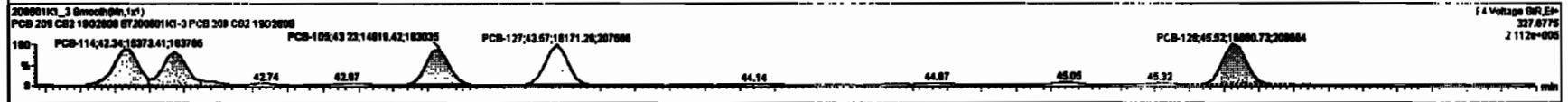
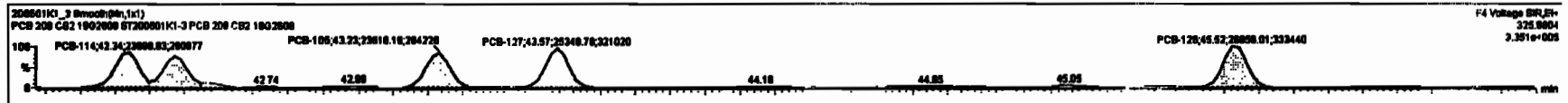


**PFK4a**



#	Name	Range	RA	dy	RF	Initial	ProdRT	RT	ProdR	RR	ProdF	Chn	SP	SL	BPFC
227	2nd Function Tri-PCBs				0.0000	1.000	0.00	0.000	NO	38.01				0.284	38.01
228	Total Yolo-PCBs				1.0776	1.000	0.00	0.000	NO	101.0				0.222	101.0
229	2nd Function Para-PCBs				1.2167	1.000	0.00	0.000	NO	67.02				0.271	67.02
230	2nd Function Ortho-PCBs				0.0000	1.000	0.00	0.000	NO	0.00				0.000	0.00
231	2nd Function Meta-PCBs				0.0000	1.000	0.00	0.000	NO	32.99				0.000	32.99
232	4th Function Para-PCBs				1.0218	1.000	0.00	0.000	NO	68.73				0.272	68.73
233	Total Hepta-PCBs				1.2091	1.000	0.00	0.000	NO	67.74				0.486	67.74
234	4th Function Ortho-PCBs				1.0000	1.000	0.00	0.000	NO	21.86				0.000	21.86
235	4th Function Para-PCBs				1.1480	1.000	0.00	0.000	NO	6.974				0.000	6.974
236	Total Hexa-PCBs				0.0000	1.000	0.00	0.000	NO	7.284				0.000	7.284
237	Total PCBs				0.0000	1.000	0.00	0.000	NO	2.420				0.000	2.420

#	Name	ProdRT	RT	RF	Initial	ProdR	RR	ProdF	Chn	SP	SL	BPFC
80	PCB-114	42.24	42.34	2.370e4	1.000e4	1.000	1.84	NO	2.3228	2.3228		
84	PCB-122	42.48	42.47	2.122e4	1.370e4	1.000	1.84	NO	2.8200	2.8200		
86	PCB-105	43.20	43.20	2.382e4	1.400e4	1.000	1.89	NO	2.4488	2.4478		
88	PCB-127	43.67	43.67	2.830e4	1.817e4	1.000	1.87	NO	2.4880	2.4876		
89	PCB-126	45.52	45.52	2.688e4	1.880e4	1.000	1.81	NO	2.4170	2.4173		



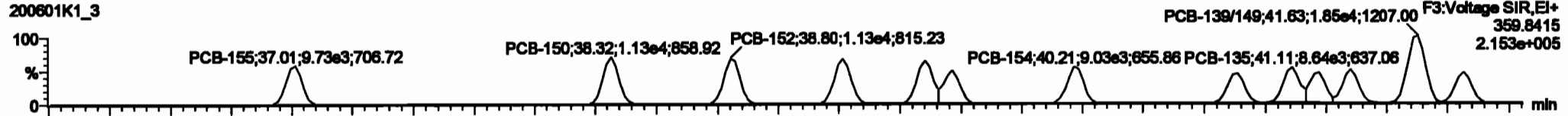
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

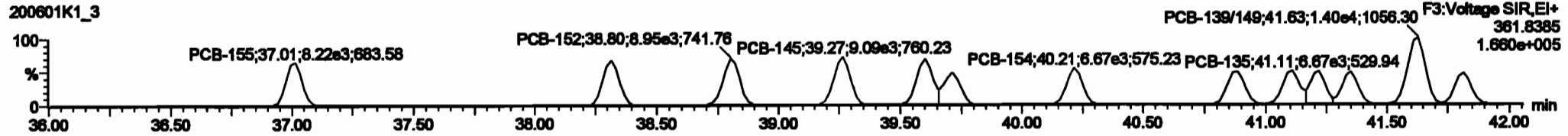
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**PCB-155**

200601K1\_3

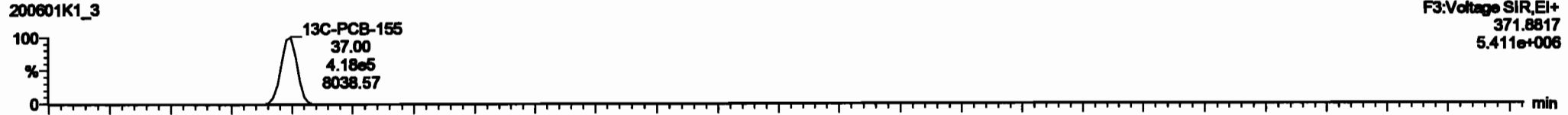


200601K1\_3

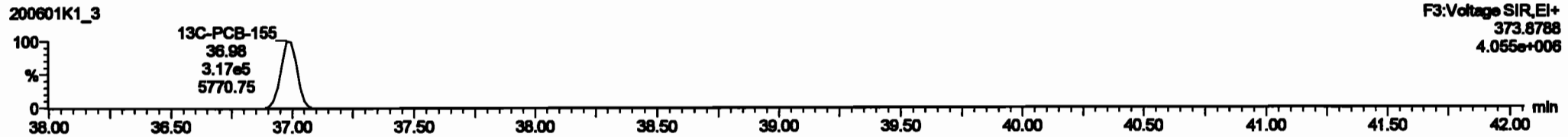


**13C-PCB-155**

200601K1\_3

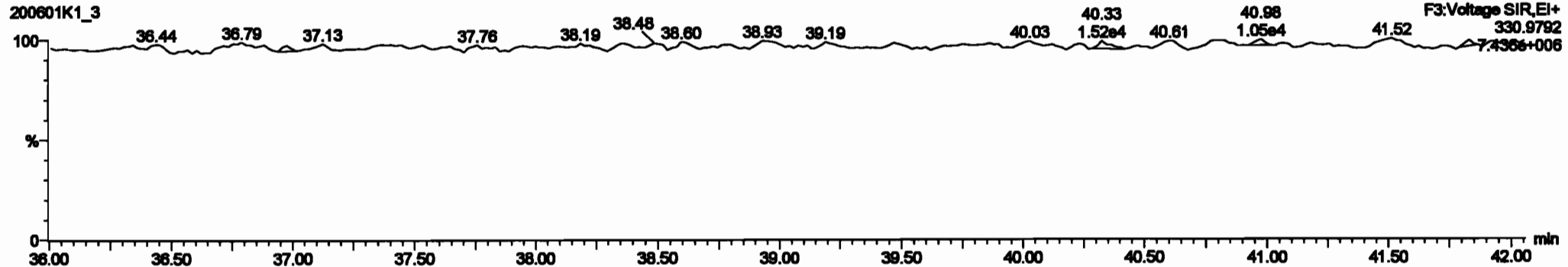


200601K1\_3



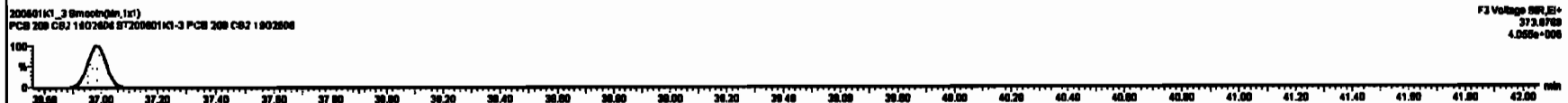
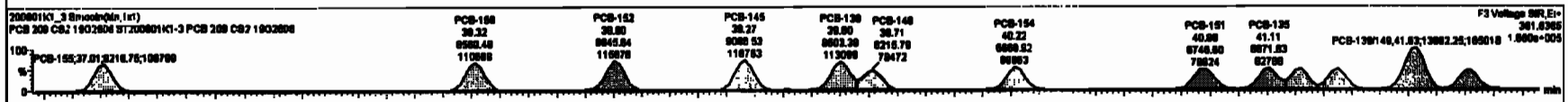
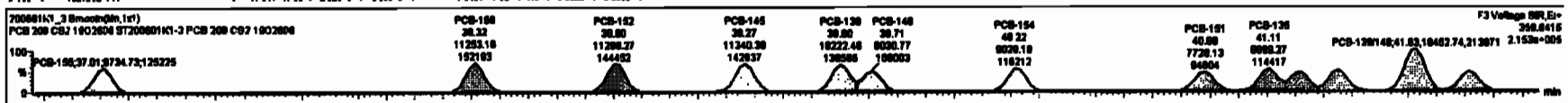
**PFK3c**

200601K1\_3



#	Name	Resp	RA	inj	RRP	colVol	FlowRate	RT	PresID	SWT	WWT (ml)	Comp.	STRes	Temp
227	2nd Puriton TH-PCBs				0.0000	1.000	0.00	0.000		NO	38.01	0.284	38.01	
228	Total Tetra-PCBs				1.0770	1.000	0.00	0.000		NO	101.0	0.322	101.0	
229	2nd Puriton Penta-PCBs				1.2497	1.000	0.00	0.000		NO	67.82	0.371	67.82	
230	4th Puriton Penta-PCBs				1.0736	1.000	0.00	0.000		NO	12.18	0.0870	12.18	
231	2nd Puriton Hexa-PCBs				0.0000	1.000	0.00	0.000		NO	0.0000	0.0000	0.0000	
232	4th Puriton Hexa-PCBs				1.0018	1.000	0.00	0.000		NO	68.73	0.272	68.73	
233	Total Hepta-PCBs				1.2681	1.000	0.00	0.000		NO	67.74	0.488	67.74	
234	4th Puriton Octa-PCBs				1.0000	1.000	0.00	0.000		NO	21.80	0.0800	21.80	
235	2nd Puriton Octa-PCBs				1.1488	1.000	0.00	0.000		NO	6.874	0.0843	6.874	
236	Total Nona-PCBs				0.0000	1.000	0.00	0.000		NO	7.264	0.0087	7.264	
237	237 Dece-CD				0.0004	1.000	0.00	0.000		NO	2.420	0.0070	2.420	
238	238 Total PCBs													

#	Name	PresID	RT	col Resp	inj Resp	T* Ratio (Peak)	RA	inj	RRP	Comp.
1	100 PCB-150	37.01	37.01	0.720e3	0.217e3	1.240	1.18	NO	2.3300	2.3300
2	100 PCB-152	38.30	38.32	1.120e4	0.880e3	1.240	1.32	NO	2.4800	2.4800
3	100 PCB-148	38.80	38.80	1.120e4	0.840e3	1.240	1.28	NO	2.3100	2.3170
4	100 PCB-146	38.20	38.27	1.120e4	0.887e3	1.240	1.26	NO	2.3200	2.3280
5	100 PCB-138	38.80	38.80	1.020e4	0.800e3	1.240	1.20	NO	2.4000	2.4000
6	100 PCB-140	38.72	38.71	0.801e3	0.210e3	1.240	1.20	NO	2.3010	2.3007
7	100 PCB-154	40.22	40.22	0.800e3	0.800e3	1.240	1.38	NO	2.3220	2.3217
8	100 PCB-151	40.80	40.80	7.720e3	0.247e3	1.240	1.14	NO	2.8010	2.8012
9	100 PCB-135	41.12	41.11	0.880e3	0.872e3	1.240	1.20	NO	2.2800	2.2806

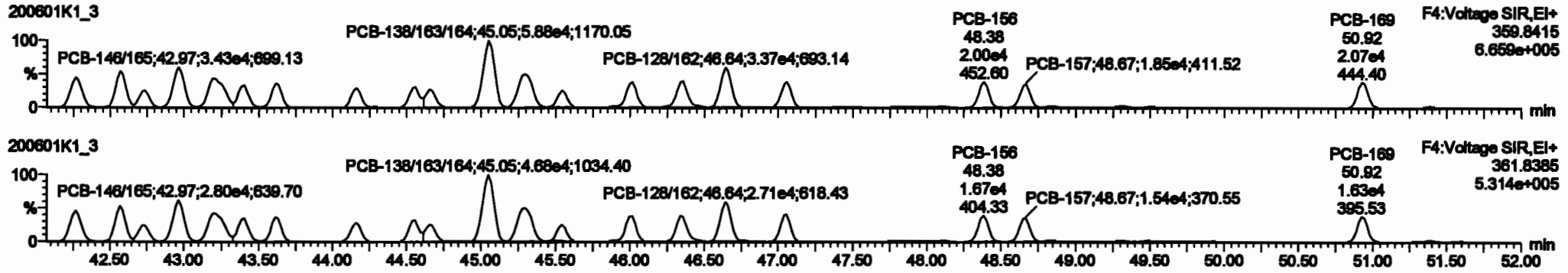


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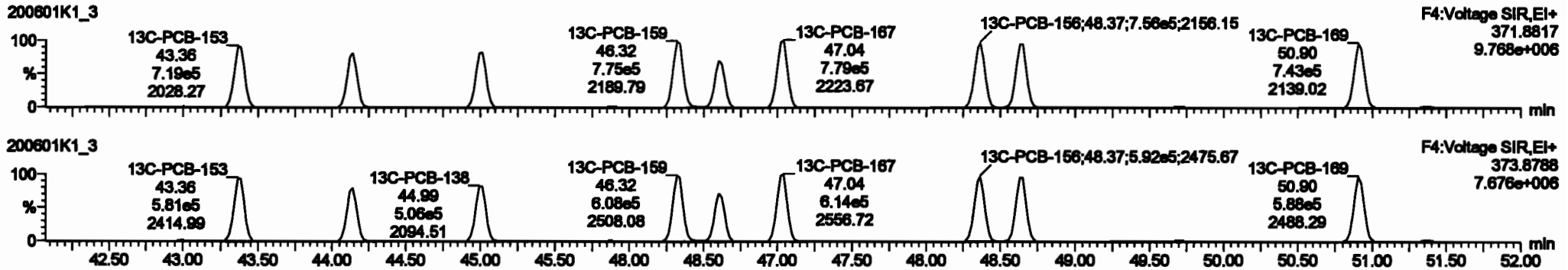
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

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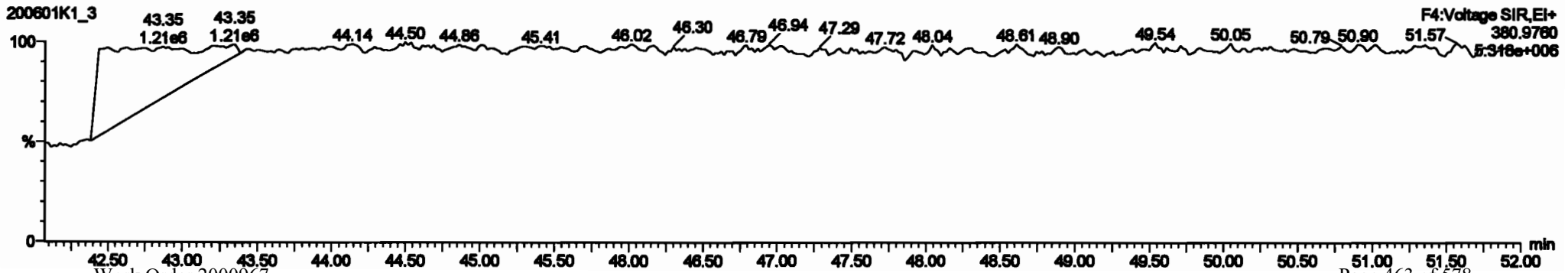
PCB-134/143



13C-PCB-153

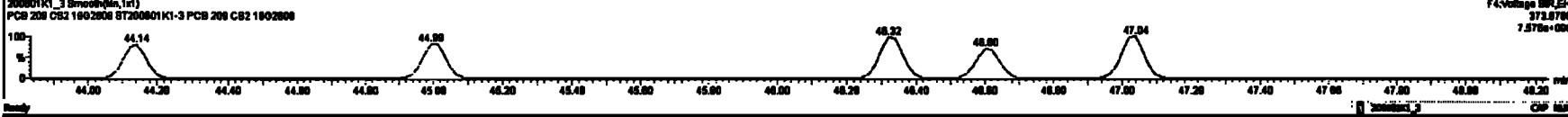
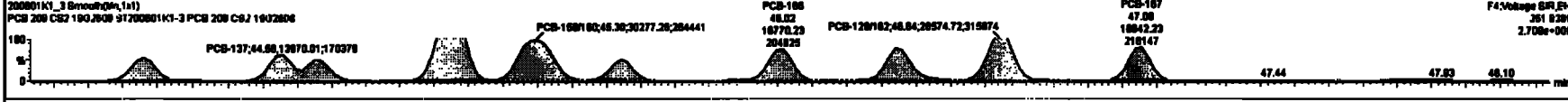
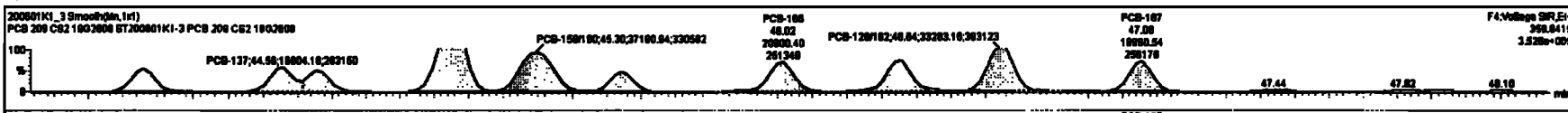


PFK4b



#	Comp	Comp	BA	dy	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
227	2nd Function Tri-PCBs				0.0028	1.000	0.00	0.000	NO	38.01	0.284	38.01					
228	Total Tetra-PCBs				1.0770	1.000	0.00	0.000	NO	101.0	0.322	101.0					
229	3rd Function Penta-PCBs				1.2167	1.000	0.00	0.000	NO	67.92	0.271	67.92					
230	4th Function Penta-PCBs				1.0720	1.000	0.00	0.000	NO	12.18	0.0870	12.18					
231	3rd Function Hexa-PCBs				0.0000	1.000	0.00	0.000	NO	32.00	0.0070	32.00					
232	Total Hexa-PCBs				1.0000	1.000	0.00	0.000	NO	63.38	0.2150	63.38					
233	Total Hepta-PCBs				1.2081	1.000	0.00	0.000	NO	67.74	0.468	67.74					
234	4th Function Octa-PCBs				1.0000	1.000	0.00	0.000	NO	21.80	0.0800	21.80					
235	5th Function Octa-PCBs				1.1488	1.000	0.00	0.000	NO	8.874	0.0543	8.874					
236	Total Nona-PCBs				0.0023	1.000	0.00	0.000	NO	7.284	0.0087	7.284					
237	Deca-CP				0.0084	1.000	0.00	0.000	NO	2.423	0.0070	2.423					
238	Total NPA																

#	Comp	Comp	BA	dy	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
111	PCB-134A43				42.20	42.20	2.632e4	2.491e4	1.240	1.20	NO	4.6390	4.6390				
112	PCB-131A130				42.00	42.07	2.947e4	2.282e4	1.240	1.20	NO	4.7070	4.7070				
113	PCB-142				42.72	42.74	1.217e4	1.050e4	1.240	1.20	NO	2.6220	2.6218				
114	PCB-148A05				42.87	42.87	3.420e4	2.894e4	1.240	1.22	NO	4.7180	4.7180				
115	PCB-132A01				43.20	43.18	3.813e4	2.738e4	1.240	1.20	NO	4.6890	4.6893				
116	PCB-163				43.30	43.40	1.777e4	1.610e4	1.240	1.18	NO	2.3880	2.3890				
117	PCB-168				43.81	43.81	1.880e4	1.822e4	1.240	1.20	NO	2.4180	2.4179				
118	PCB-141				44.10	44.18	1.489e4	1.220e4	1.240	1.20	NO	2.4080	2.4084				
119	PCB-137				44.80	44.88	1.000e4	1.207e4	1.240	1.18	NO	2.8070	2.8080				



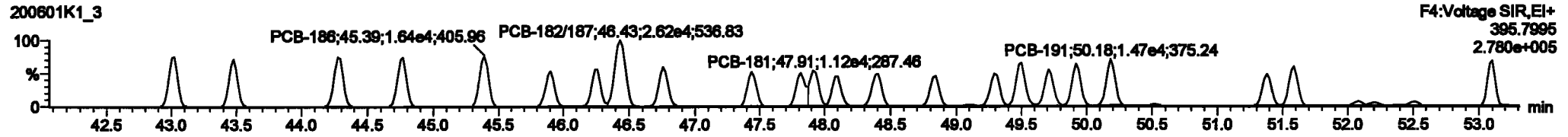
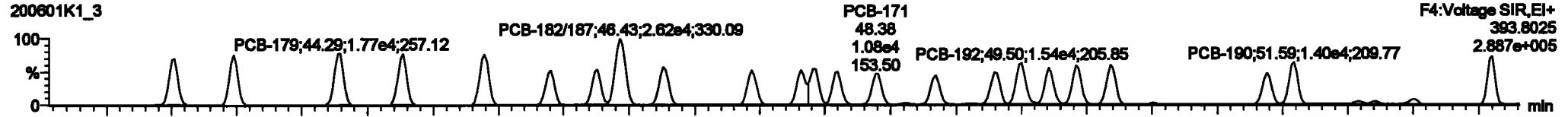


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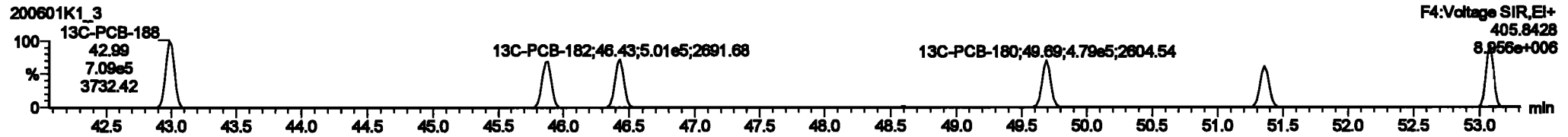
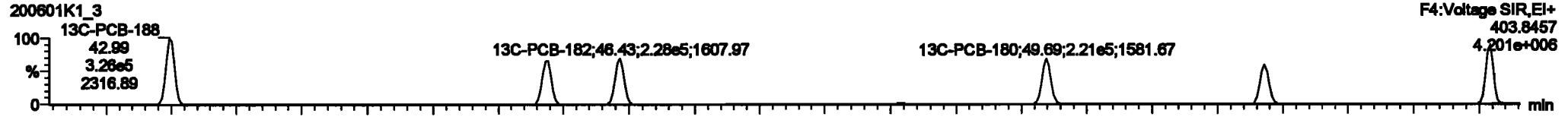
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

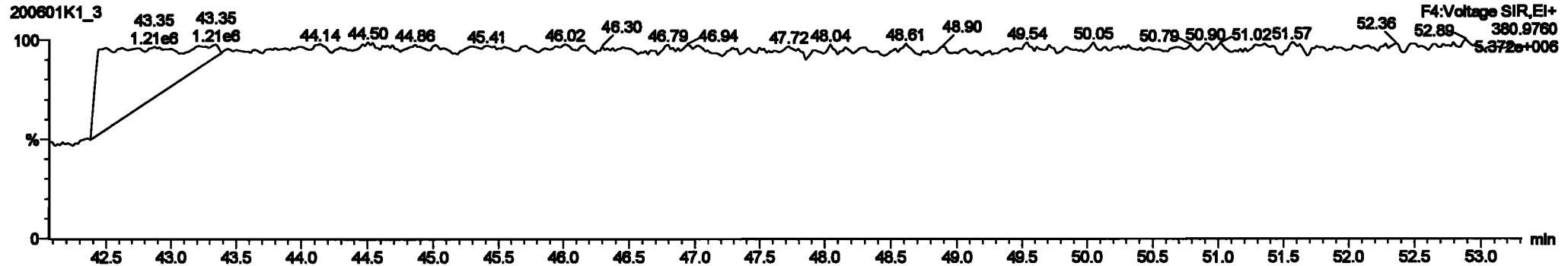
**PCB-188**



**13C-PCB-188**

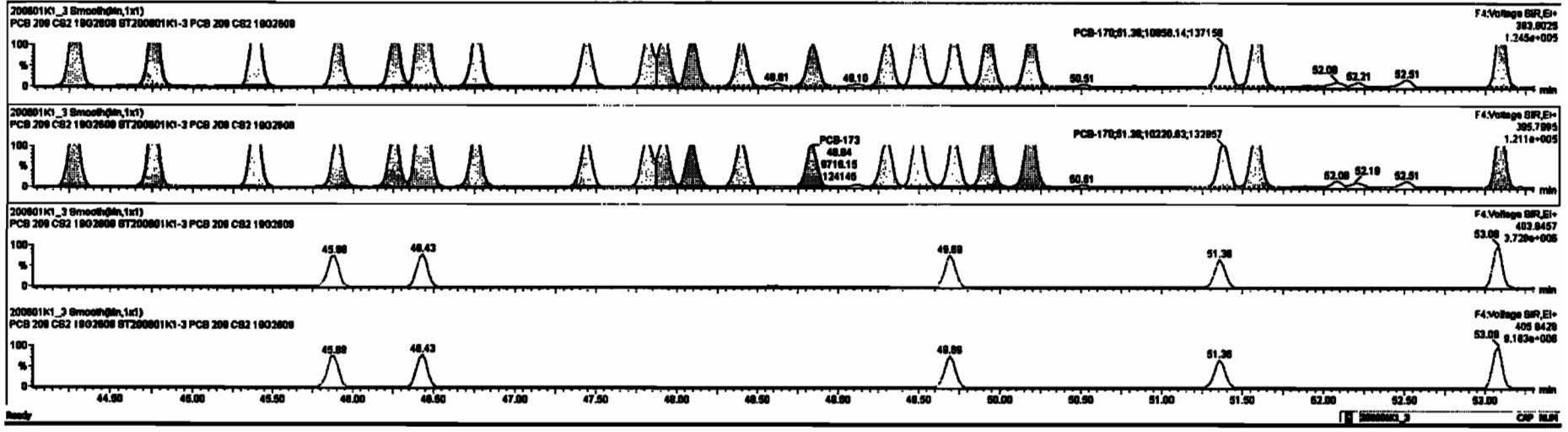


**PFK4c**



#	Name	Resp	RA	RF	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	RF10	RF11	RF12	RF13	RF14	RF15	RF16	RF17	RF18	RF19	RF20
227	2nd Function TM-PCBs				0.8026	1.000	0.00	0.000	NO	38.01	0.284	38.01											
228	Total Tetra-PCBs				1.0778	1.000	0.00	0.000	NO	101.0	0.322	101.0											
229	2nd Function Penta-PCBs				1.3167	1.000	0.00	0.000	NO	87.82	0.571	87.82											
230	6th Function Penta-PCBs				1.0735	1.000	0.00	0.000	NO	12.18	0.0878	12.18											
231	2nd Function Hexa-PCBs				0.8025	1.000	0.00	0.000	NO	32.88	0.0878	32.88											
232	6th Function Hexa-PCBs				1.0316	1.000	0.00	0.000	NO	88.72	0.272	88.72											
233	Total Hexa-PCBs				1.2894	1.000	0.00	0.000	NO	243.0	0.3974	243.0											
234	2nd Function Octa-PCBs				1.0008	1.000	0.00	0.000	NO	21.88	0.0803	21.88											
235	6th Function Octa-PCBs				1.1488	1.000	0.00	0.000	NO	6.874	0.0843	6.874											
236	Total Octa-PCBs				0.8823	1.000	0.00	0.000	NO	7.284	0.0887	7.284											
237	Total PCBs				0.8894	1.000	0.00	0.000	NO	2.423	0.0902	2.423											

#	Retention Time (min)	Area	Height	Width	Volume	Conc	RF	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	RF10	RF11	RF12	RF13	RF14	RF15	RF16	RF17	RF18	RF19	RF20	
1	43.02	43.02	1.817e4	1.888e4	1.000	0.97	NO	2.4800	2.4897																		
2	43.47	43.48	1.863e4	1.820e4	1.000	1.08	NO	2.4870	2.4888																		
3	44.27	44.28	1.773e4	1.818e4	1.000	1.10	NO	2.5240	2.6238																		
4	44.70	44.77	1.708e4	1.803e4	1.000	1.07	NO	2.4420	2.4434																		
5	48.38	48.38	1.788e4	1.844e4	1.000	1.07	NO	2.4870	2.4870																		
6	48.80	48.80	1.171e4	1.142e4	1.000	1.02	NO	2.3880	2.3880																		
7	48.24	48.28	1.223e4	1.228e4	1.000	1.00	NO	2.4748	2.4738																		
8	48.42	48.43	2.811e4	2.824e4	1.000	1.00	NO	4.7448	4.7445																		
9	48.78	48.78	1.325e4	1.284e4	1.000	1.02	NO	2.4788	2.4748																		

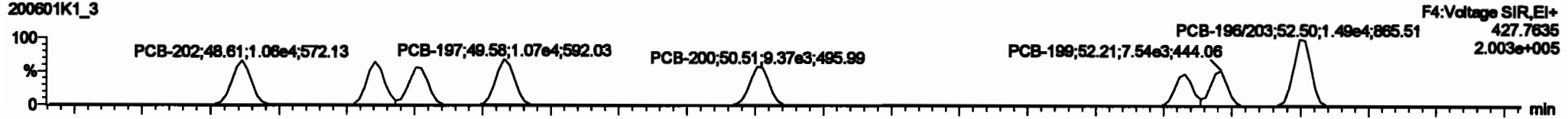


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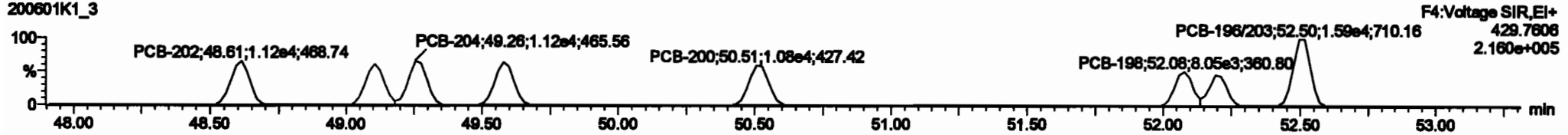
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

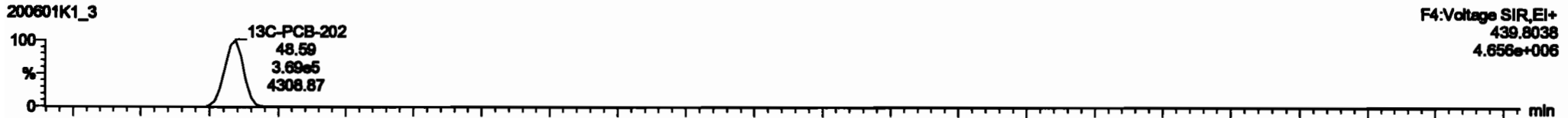
PCB-202  
200601K1\_3



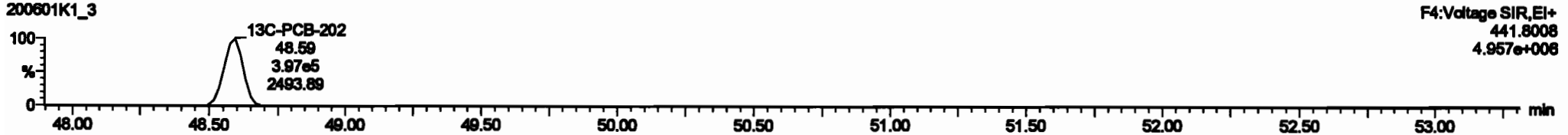
200601K1\_3



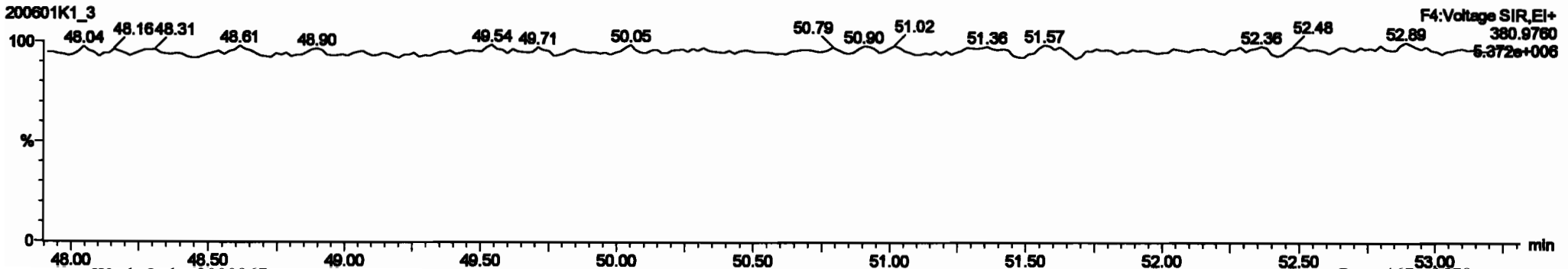
13C-PCB-202



200601K1\_3

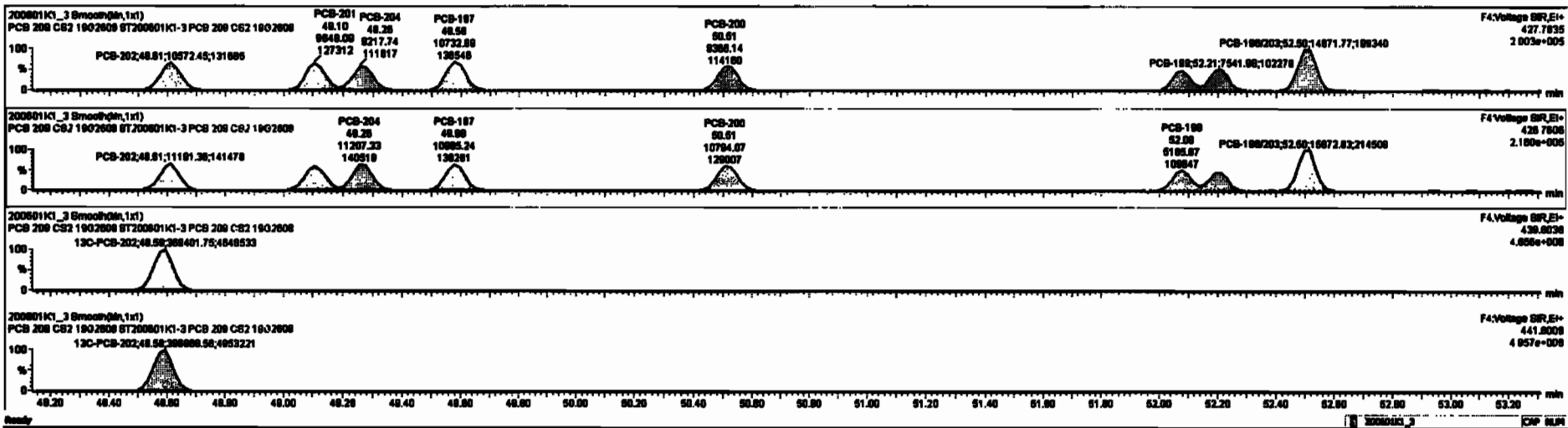


PFK4d



#	Name	Qty	RA	Qty	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY
227	2nd Function TM-PCBs				0.0000	1.000	0.00	0.000	NO	30.01	0.284	30.01						
228	Total Yabo-PCBs				1.0776	1.000	0.00	0.000	NO	101.0	0.322	101.0						
229	2nd Function Para-PCBs				1.3167	1.000	0.00	0.000	NO	97.82	0.371	97.82						
230	4th Function Para-PCBs				1.0735	1.000	0.00	0.000	NO	12.18	0.0070	12.18						
231	2nd Function Hase-PCBs				0.0000	1.000	0.00	0.000	NO	32.80	0.0070	32.80						
232	4th Function Hase-PCBs				1.0318	1.000	0.00	0.000	NO	88.73	0.272	88.73						
233	Total Hase-PCBs				1.3801	1.000	0.00	0.000	NO	57.74	0.480	57.74						
234	4th Function Ota-PCBs				1.0000	1.000	0.00	0.000	NO	31.80	0.0000	31.80						
235	8th Function Ota-PCBs				1.4488	1.000	0.00	0.000	NO	6.974	0.0043	6.974						
236	Total Ota-PCBs				0.9023	1.000	0.00	0.000	NO	7.384	0.0007	7.384						
237	Desc-CB				0.0004	1.000	0.00	0.000	NO	2.423	0.0070	2.423						
238	Total PCBs																	

#	Name	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY
164	PCB-202	48.83	48.81	1.000e4	1.118e4	0.000	0.84	NO	2.4310	2.4312	
165	PCB-201	48.10	48.10	8.848e3	1.020e4	0.000	0.84	NO	2.4710	2.4712	
166	PCB-204	48.28	48.28	0.218e3	1.121e4	0.000	0.82	NO	2.3380	2.3380	
167	PCB-187	48.88	48.88	1.072e4	1.088e4	0.000	0.88	NO	2.4916	2.4908	
168	PCB-200	50.51	50.51	0.288e3	1.070e4	0.000	0.87	NO	2.4880	2.4891	
188	PCB-188	52.08	52.08	0.800e3	8.188e3	0.000	0.85	NO	2.4770	2.4772	
189	PCB-189	52.18	52.21	7.840e3	7.826e3	0.000	1.00	NO	2.4300	2.4287	
181	PCB-188203	52.82	52.80	1.489e4	1.887e4	0.000	0.94	NO	4.7670	4.7887	



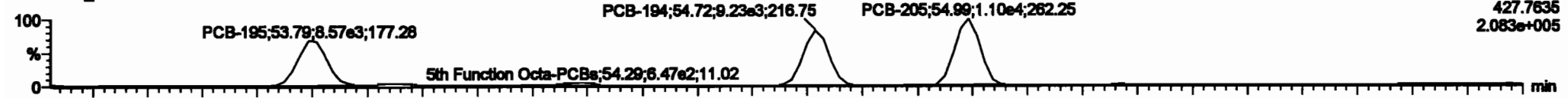
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

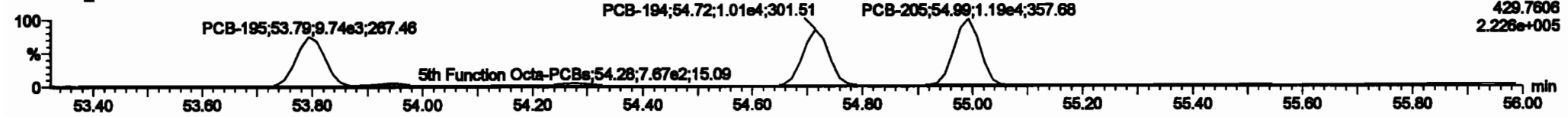
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**PCB-195**

200801K1\_3

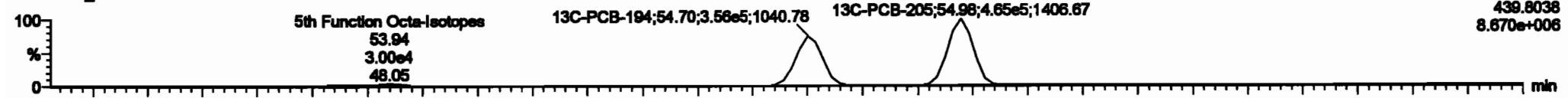


200801K1\_3

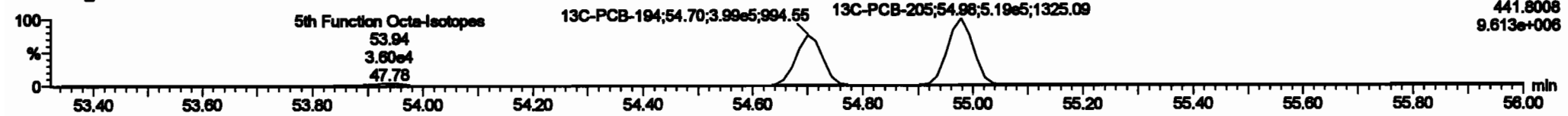


**13C-PCB-194**

200801K1\_3

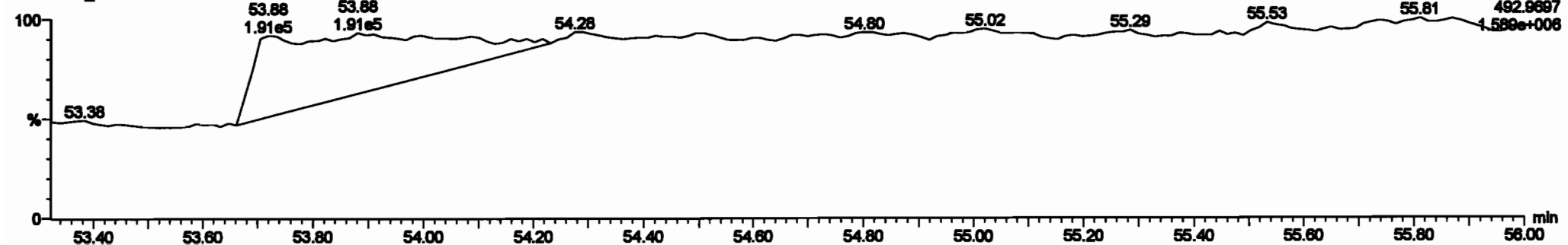


200801K1\_3



**PFK5a**

200801K1\_3



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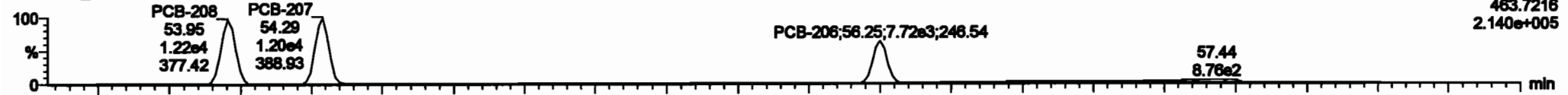
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

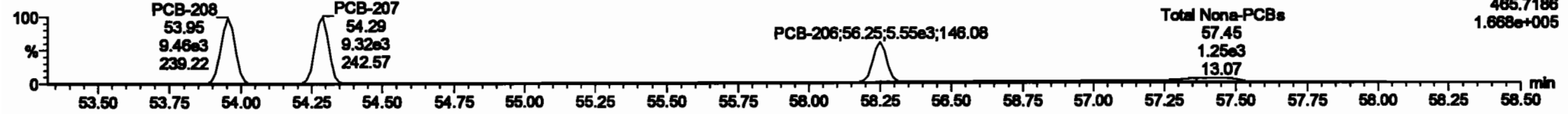
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**PCB-208**

200601K1\_3

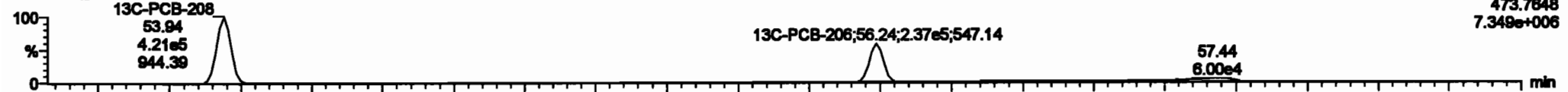


200601K1\_3

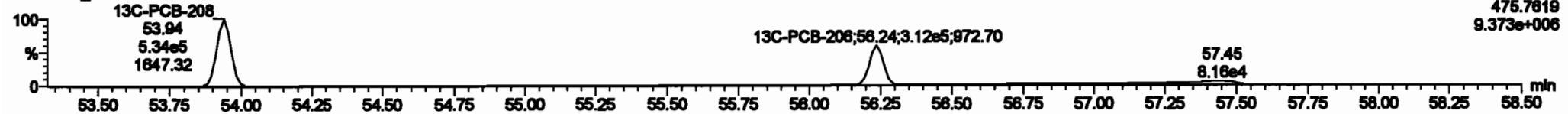


**13C-PCB-208**

200601K1\_3

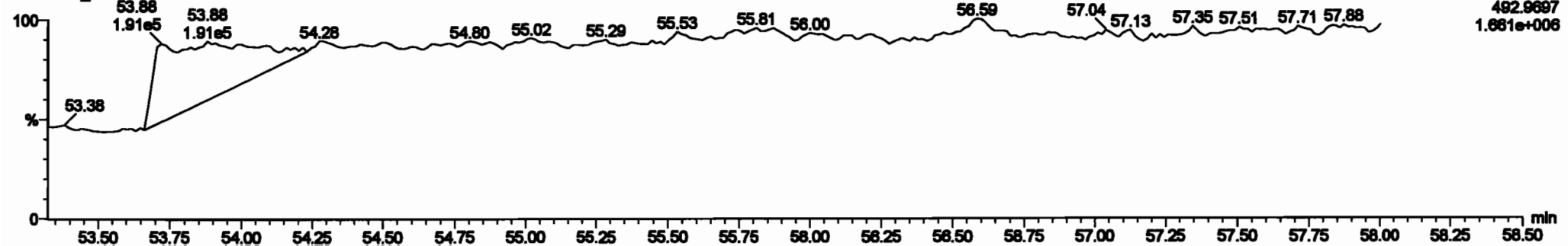


200601K1\_3



**PFK5**

200601K1\_3



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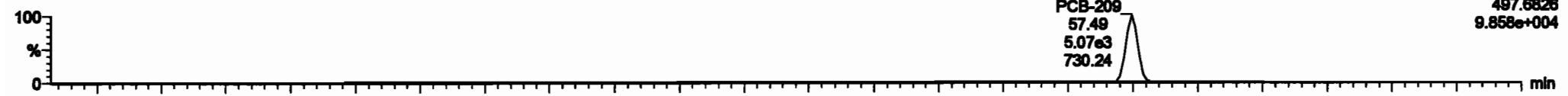
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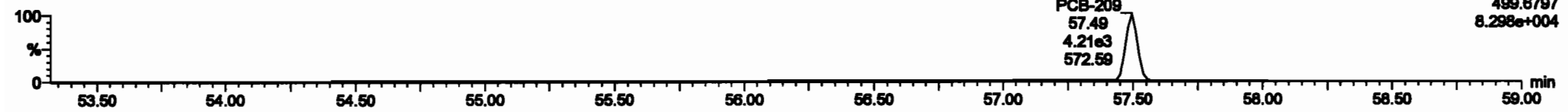
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**PCB-209**

200601K1\_3

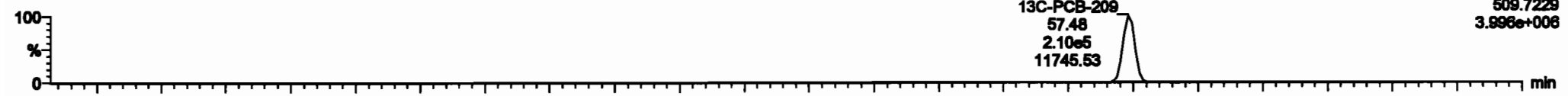


200601K1\_3

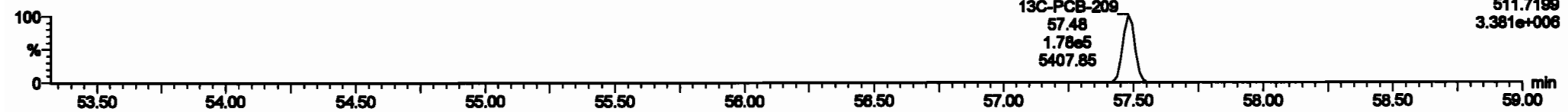


**13C-PCB-209**

200601K1\_3

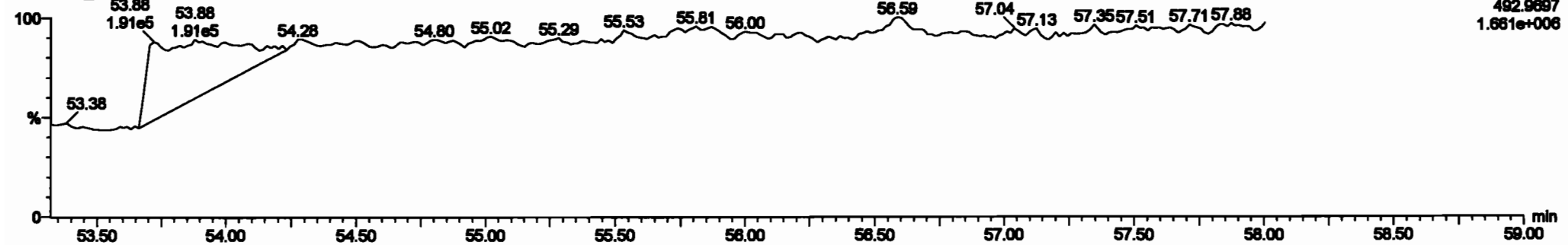


200601K1\_3



**PFK5b**

200601K1\_3



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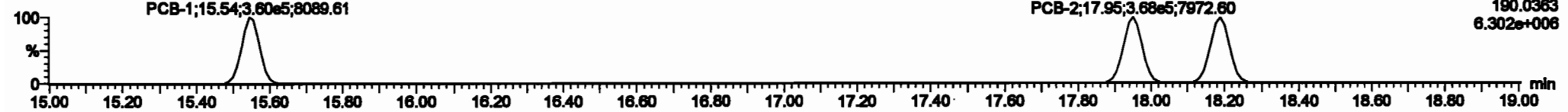
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**PCB-1**

200601K1\_4

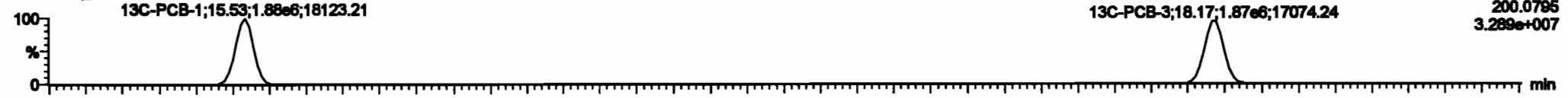


200601K1\_4

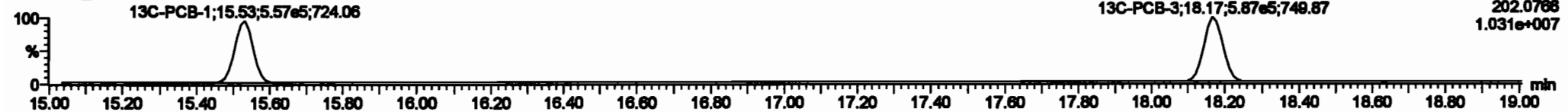


**13C-PCB-1**

200601K1\_4

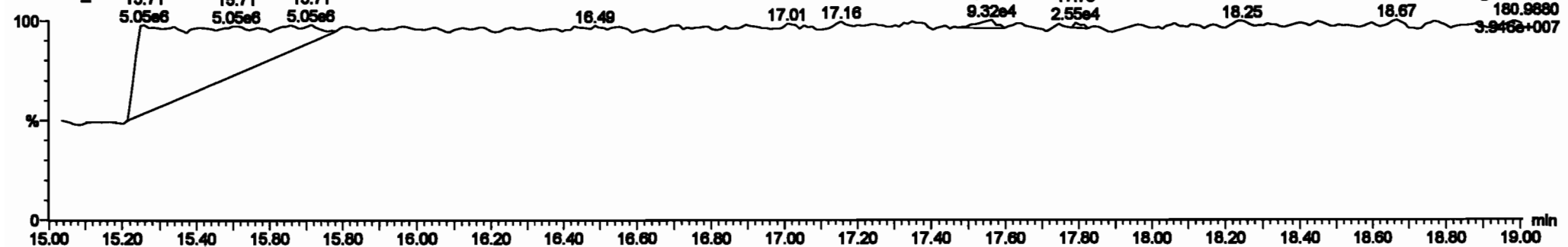


200601K1\_4



**PFK1**

200601K1\_4





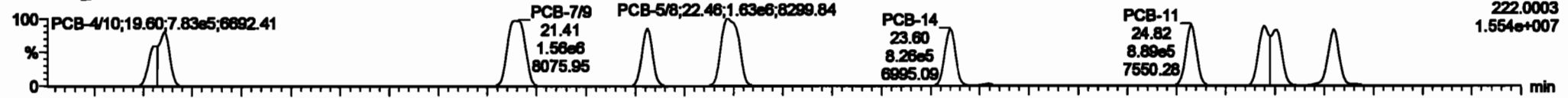
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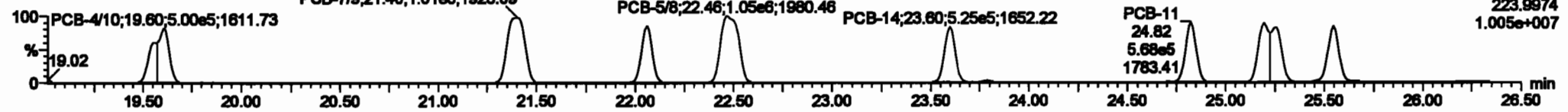
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**PCB-4/10**

200601K1\_4

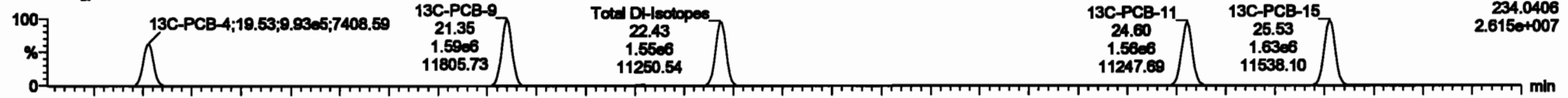


200601K1\_4

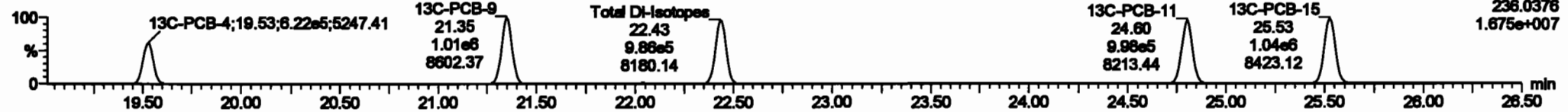


**13C-PCB-4**

200601K1\_4

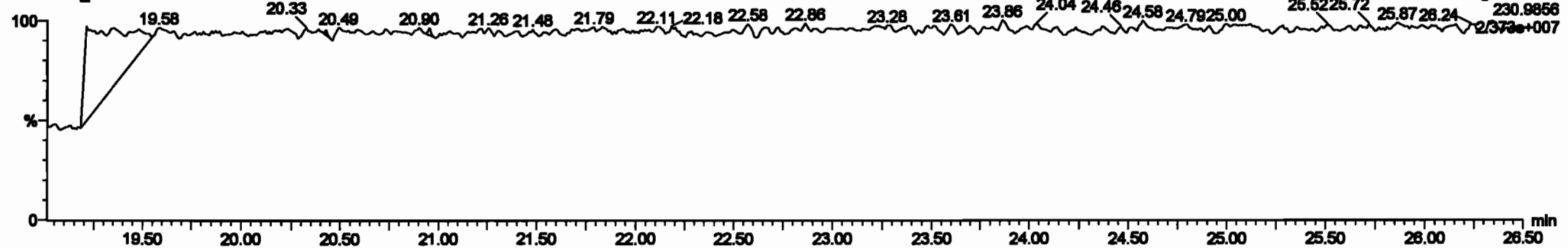


200601K1\_4



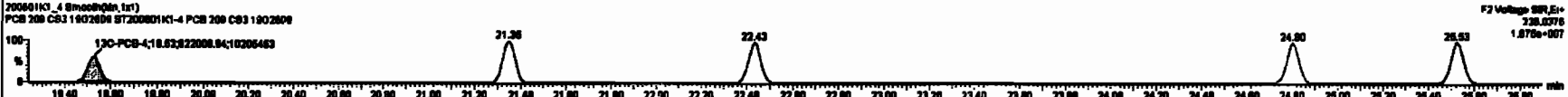
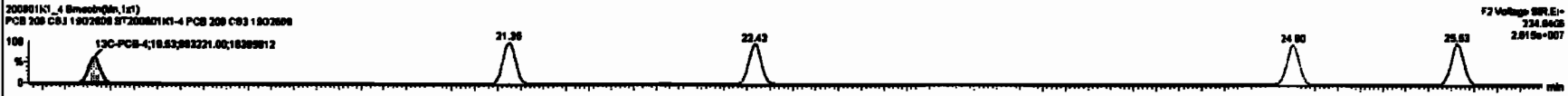
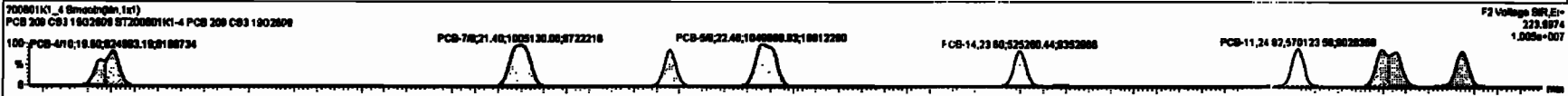
**PFK2a**

200601K1\_4



#	Name	Comp	RA	Qty	RFY	Unit Cost	ProdQty	QTY	ProdLT	RFY	RFY Pct	Comp	Value	RU	RFPC
224	Total Misc-PCBs		1.895	1,000	0.00	0.000	0.000	ND	189.1				0.000	189.1	
225	Total Misc-PCBs		1.895	1,000	0.00	0.000	0.000	ND	189.1				0.000	189.1	
226	2nd Function TR-PCBs		1.007	1,000	0.00	0.000	0.000	ND	412.0				0.000	412.0	
227	2nd Function TR-PCBs		0.000	1,000	0.00	0.000	0.000	ND	018.1				0.371	018.1	
228	Total Test-PCBs		1.0770	1,000	0.00	0.000	0.000	ND	2171				0.943	2171	
229	2nd Function Paria-PCBs		1.3167	1,000	0.00	0.000	0.000	ND	2108				0.826	2108	
230	4th Function Paria-PCBs		1.0728	1,000	0.00	0.000	0.000	ND	201.1				0.182	201.1	
231	2nd Function Hesa-PCBs		0.0000	1,000	0.00	0.000	0.000	ND	007.0				0.188	007.0	
232	4th Function Hesa-PCBs		1.0018	1,000	0.00	0.000	0.000	ND	1491				1.00	1491	
233	Total Hesa-PCBs		1.3091	1,000	0.00	0.000	0.000	ND	1280				1.28	1280	
234	4th Function Oda-PCBs		1.0000	1,000	0.00	0.000	0.000	ND	448.1				0.320	448.1	
235	2nd Function Oda-PCBs		1.1499	1,000	0.00	0.000	0.000	ND	174.1				0.391	174.1	

#	Name	Comp	RA	Qty	RFY	Unit Cost	ProdQty	QTY	ProdLT	RFY	RFY Pct	Comp	Value	RU	RFPC
1	PCB-410		18.91	18.90	1.200e6	0.350e6	1.000	1.93	ND	103.84	103.80				
2	PCB-70		21.41	21.41	1.000e6	1.000e6	1.000	1.00	ND	102.00	102.00				
3	PCB-8		22.00	22.00	8.100e5	6.200e5	1.000	1.00	ND	80.401	80.401				
4	PCB-80		22.48	22.48	1.000e6	1.000e6	1.000	1.00	ND	100.00	100.00				
5	PCB-14		23.01	23.00	0.200e6	0.200e6	1.000	1.57	ND	91.800	91.800				
6	PCB-11		24.02	24.02	0.001e6	0.701e6	1.000	1.57	ND	80.770	80.770				
7	PCB-1203		25.25	25.25	1.043e5	1.000e5	1.000	1.54	ND	100.30	100.30				
8	PCB-10		25.97	25.95	0.420e5	0.420e5	1.000	1.00	ND	62.302	62.302				

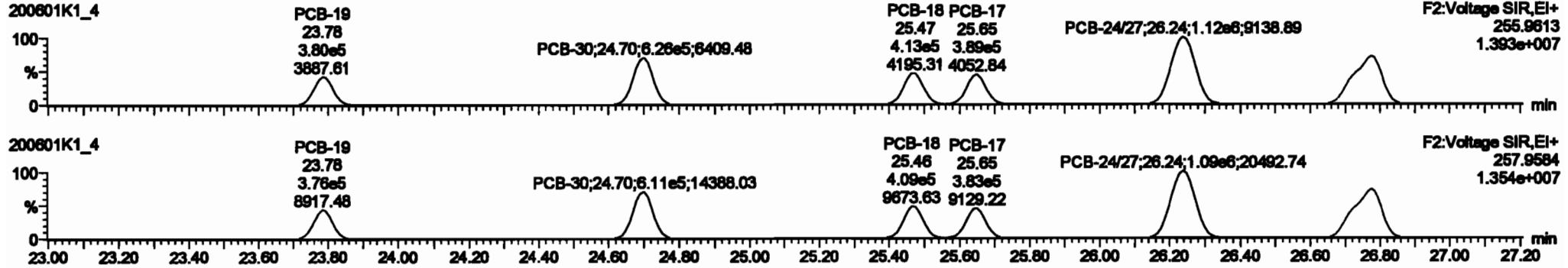


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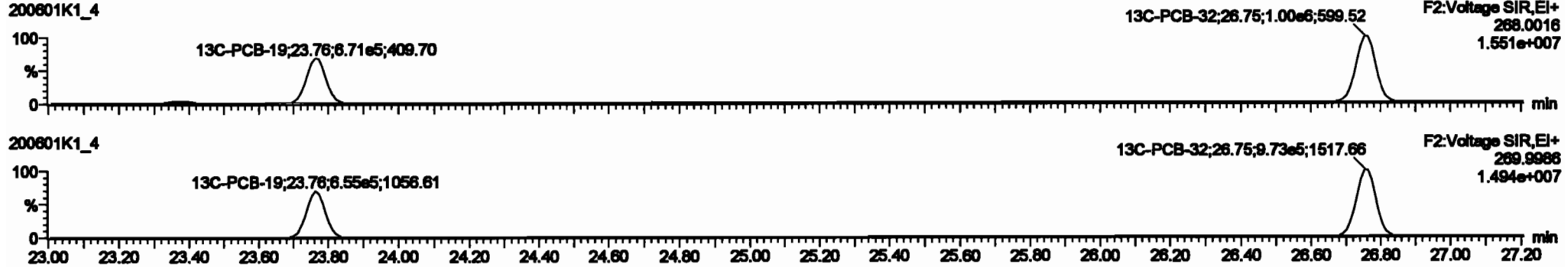
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

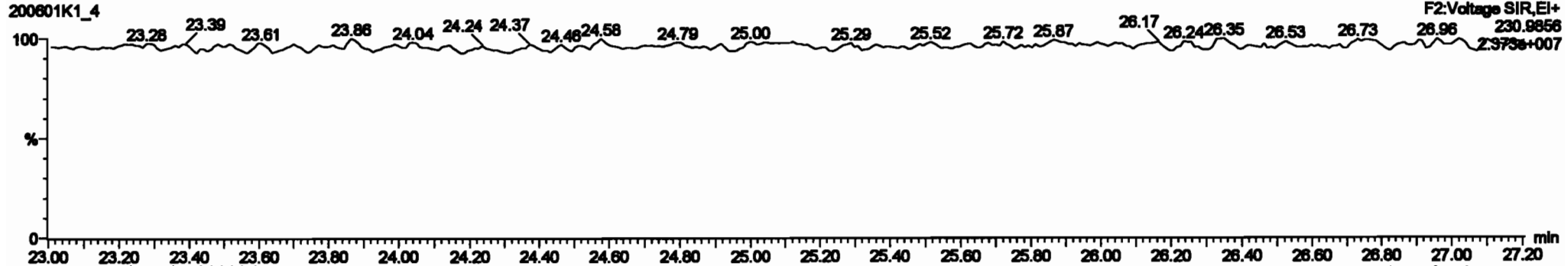
PCB-19



13C-PCB-19



PFK2b



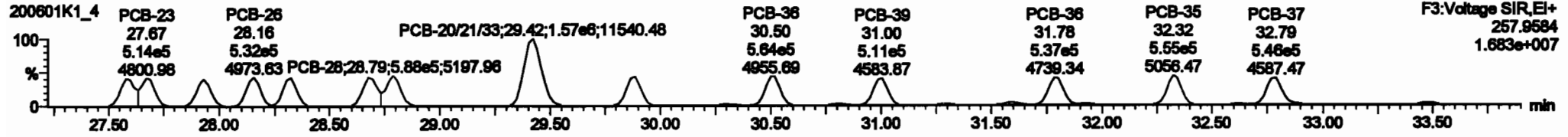
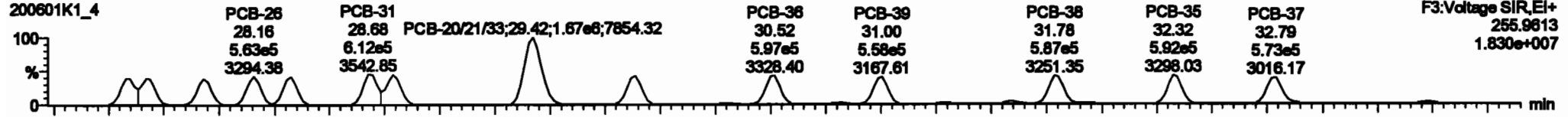
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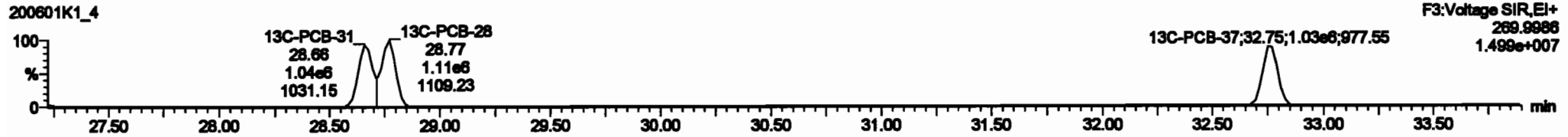
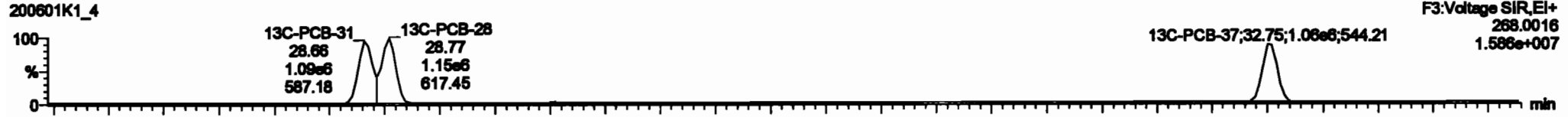
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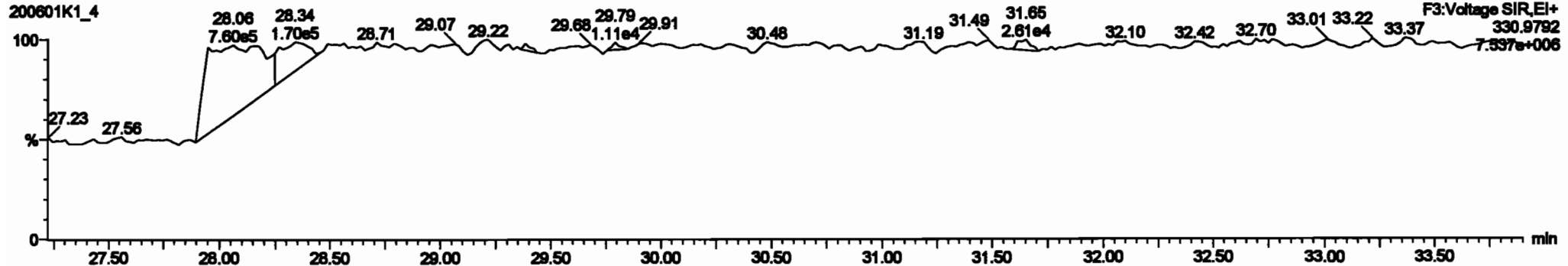
**PCB-34**



**13C-PCB-28**

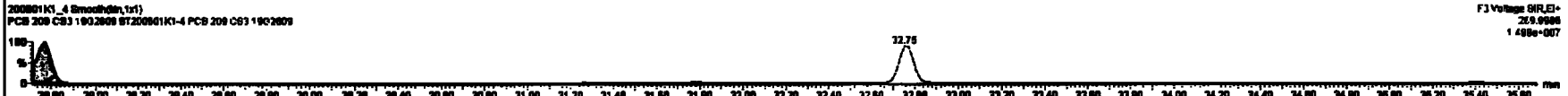
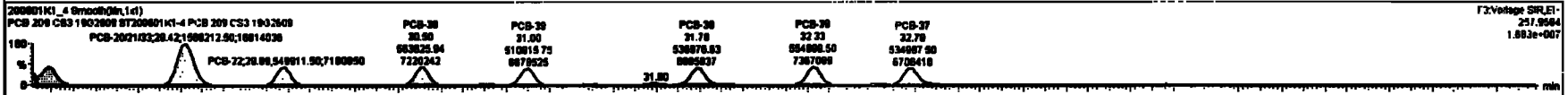


**PFK3d**



#	PCBs	Mass	RA	Vol	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
224	Total Mono-PCBs				1.188E	1.000	0.00	0.000	NO	188.1	0.0242	188.1					
225	Total Di-PCBs				1.8837	1.000	0.00	0.000	NO	818.4	0.280	818.4					
226	2nd Function Tri-PCBs				1.8837	1.000	0.00	0.000	NO	412.8	0.0870	412.8					
227	3rd Function Tetra-PCBs				0.0000	1.000	0.00	0.000	NO	0.000	0.000	0.000					
228	Total Tetra-PCBs				1.8778	1.000	0.00	0.000	NO	2171	0.943	2171					
229	2nd Function Penta-PCBs				1.2187	1.000	0.00	0.000	NO	2108	0.828	2108					
230	4th Function Penta-PCBs				1.8735	1.000	0.00	0.000	NO	281.1	0.182	281.1					
231	2nd Function Hexa-PCBs				0.8808	1.000	0.00	0.000	NO	887.3	0.188	887.3					
232	4th Function Hexa-PCBs				1.0218	1.000	0.00	0.000	NO	1481	1.28	1481					
233	Total Hepta-PCBs				1.2881	1.000	0.00	0.000	NO	1280	1.28	1280					
234	4th Function Octa-PCBs				1.8838	1.000	0.00	0.000	NO	448.1	0.222	448.1					
235	Total Non-Function Octa-PCBs				1.1488	1.000	0.00	0.000	NO	188.1	0.280	188.1					

#	PCBs	PeakID	RT	Area	Height	W	Area%	Height%	W%	Area%	Height%	W%	Area%	Height%	W%	Area%	Height%	W%
1	PCB-34	27.87	27.87	5.93e5	5.28e5	1.000	1.08	NO	80.487	80.487								
2	PCB-28	27.87	27.87	8.28e5	5.14e5	1.000	1.08	NO	82.838	82.838								
3	PCB-28	27.87	27.87	8.21e5	4.83e5	1.000	1.08	NO	80.240	80.240								
4	PCB-28	28.18	28.18	8.82e5	5.21e5	1.000	1.08	NO	81.287	81.287								
5	PCB-28	28.21	28.22	8.91e5	6.21e5	1.000	1.08	NO	80.288	80.288								
6	PCB-31	28.88	28.88	8.11e5	5.38e5	1.000	1.14	NO	88.828	88.828								
7	PCB-28	28.78	28.78	8.38e5	5.87e5	1.000	1.08	NO	82.734	82.734								
8	PCB-202103	28.43	28.42	1.87e6	1.88e6	1.000	1.87	NO	182.28	182.28								
9	PCB-28	28.87	28.88	8.88e5	6.48e5	1.000	1.08	NO	81.848	81.848								

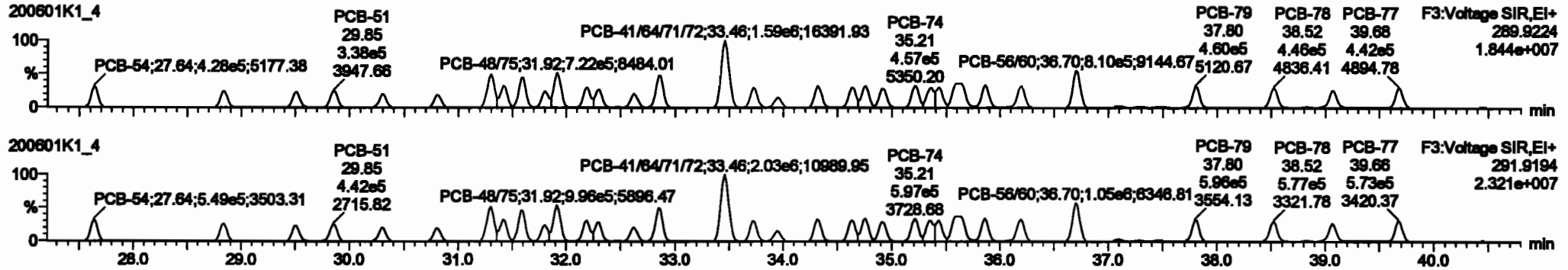


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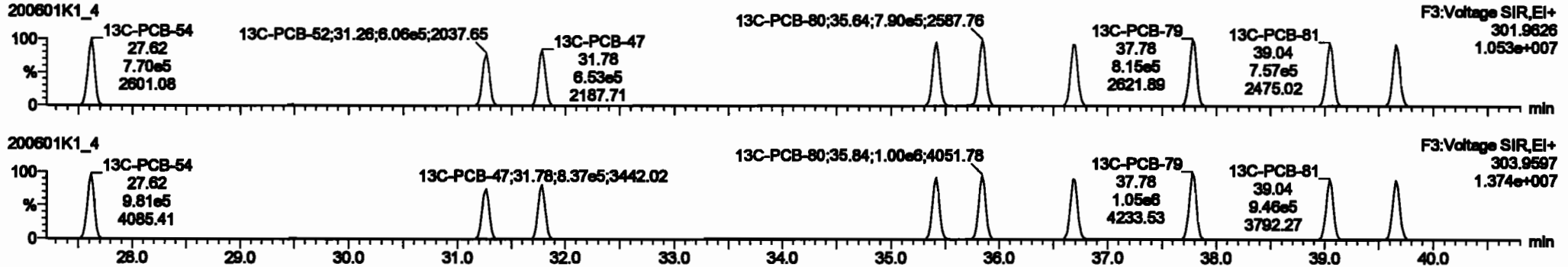
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Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

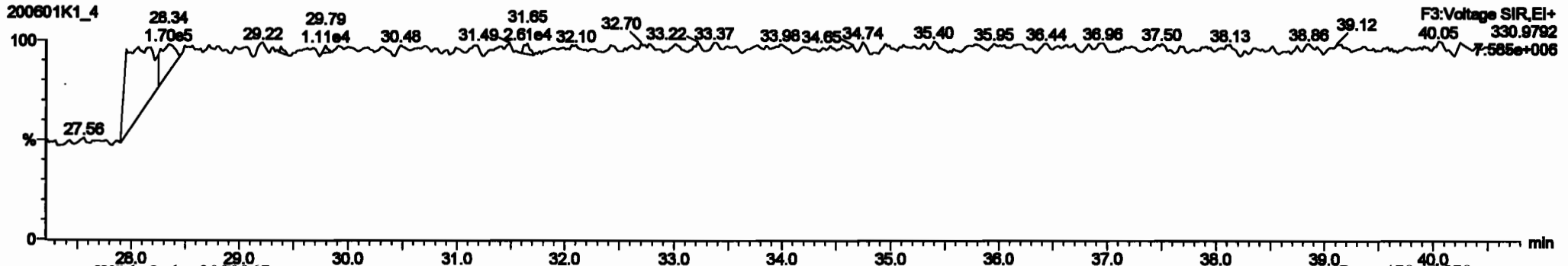
**PCB-54**



**13C-PCB-54**



**PFK3a**



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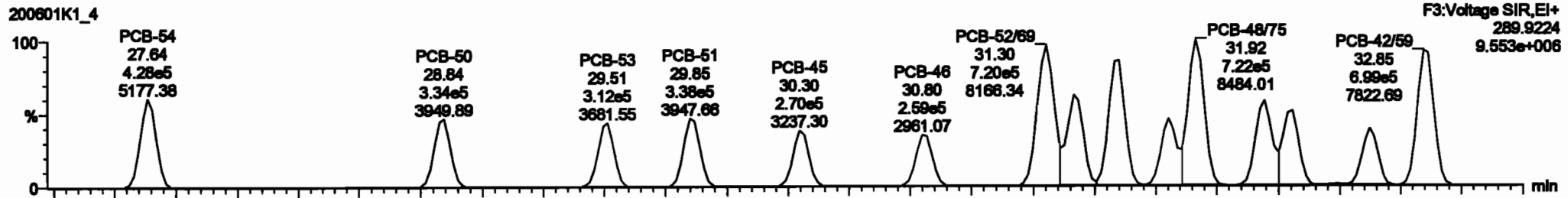
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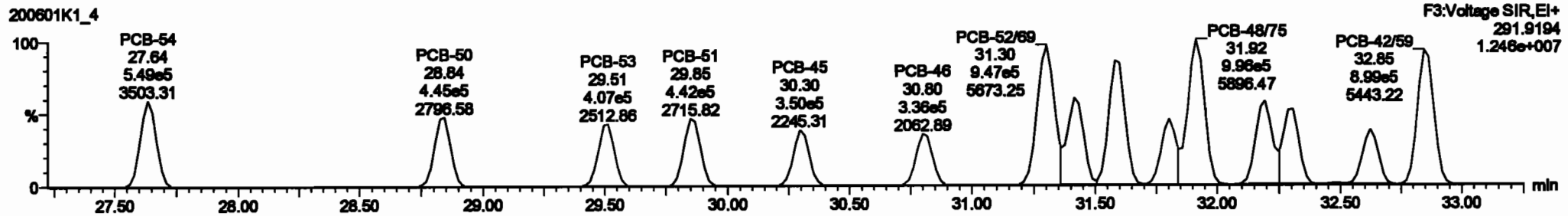
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PCB-50

200601K1\_4

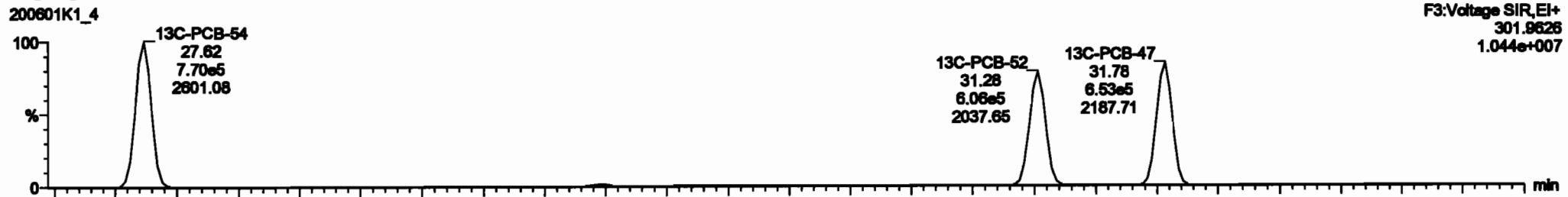


200601K1\_4

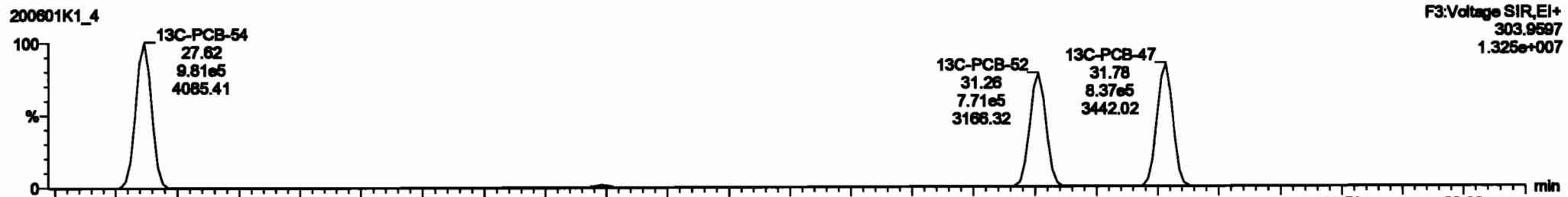


13C-PCB-52

200601K1\_4

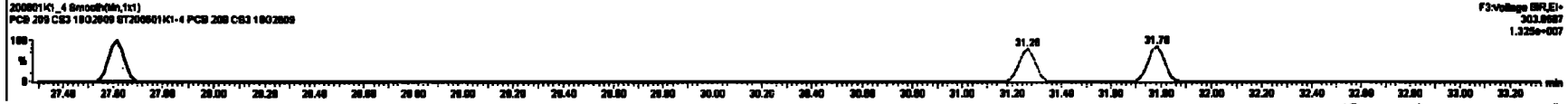
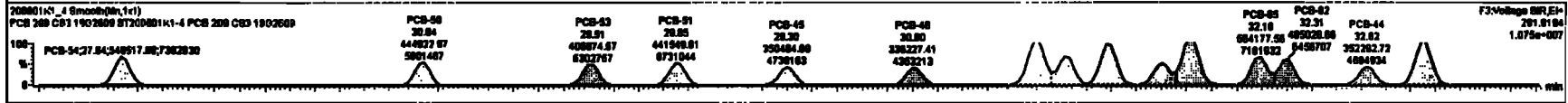
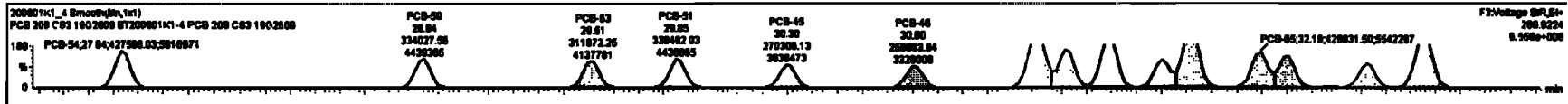


200601K1\_4



#	Name	Range	RA	dy	W/F	valdet	PeakRT	RT	PeakRT	Area	WRT	Comp	Ratio	DL	MSPC
226	Total Mono-PCBs				1.000	1.000	0.00	0.000	NO	188.1			0.000	188.1	
228	Total Di-PCBs				1.000	1.000	0.00	0.000	NO	618.4			0.000	618.4	
229	Total Tri-PCBs				1.000	1.000	0.00	0.000	NO	412.5			0.000	412.5	
227	1st Function Tri-PCBs				0.000	1.000	0.00	0.000	NO	618.1			0.000	618.1	
228	2nd Function Tri-PCBs				1.000	0.000	0.00	0.000	NO	248.0			0.000	248.0	
229	3rd Function Tri-PCBs				1.000	0.000	0.00	0.000	NO	289.2			0.000	289.2	
230	4th Function Tri-PCBs				1.000	0.000	0.00	0.000	NO	148.1			0.000	148.1	
231	Total Tetra-PCBs				1.000	1.000	0.00	0.000	NO	1289			1.000	1289	
232	1st Function Tetra-PCBs				1.000	0.000	0.00	0.000	NO	446.1			0.000	446.1	
233	2nd Function Tetra-PCBs				1.000	0.000	0.00	0.000	NO	184.1			0.000	184.1	

#	Name	Value	RT	W/F	valdet	PeakRT	Area	WRT	Comp	Ratio	DL	MSPC
32	PCB-84	27.84	27.84	4.270e5	6.489e5	0.770	0.78	NO	91.824	91.824		
33	PCB-89	28.89	28.84	3.240e5	4.448e5	0.770	0.78	NO	90.978	90.978		
34	PCB-89	28.89	28.81	3.120e5	4.089e5	0.770	0.77	NO	92.288	92.288		
35	PCB-91	28.89	28.85	3.280e5	4.418e5	0.770	0.77	NO	93.201	93.201		
36	PCB-45	30.30	30.30	2.700e5	3.600e5	0.770	0.77	NO	92.598	92.598		
37	PCB-45	30.30	30.35	2.850e5	3.800e5	0.770	0.77	NO	93.043	93.043		
38	PCB-49B	31.31	31.20	1.200e5	0.470e5	0.770	0.78	NO	103.00	103.00		
39	PCB-73	31.41	31.41	4.800e5	0.800e5	0.770	0.78	NO	93.621	93.621		
40	PCB-49B	31.38	31.35	6.280e5	0.314e5	0.770	0.77	NO	108.07	108.07		





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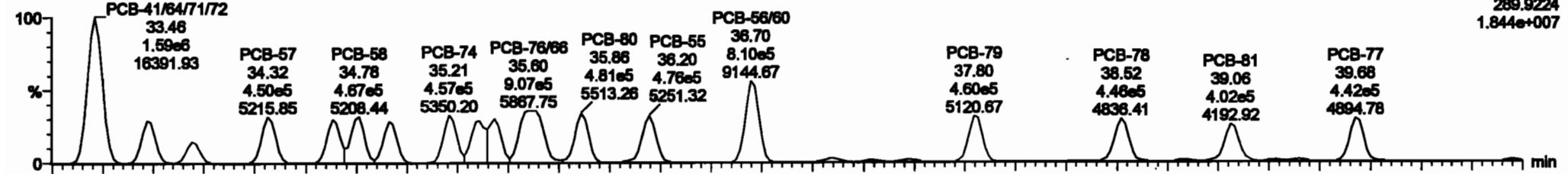
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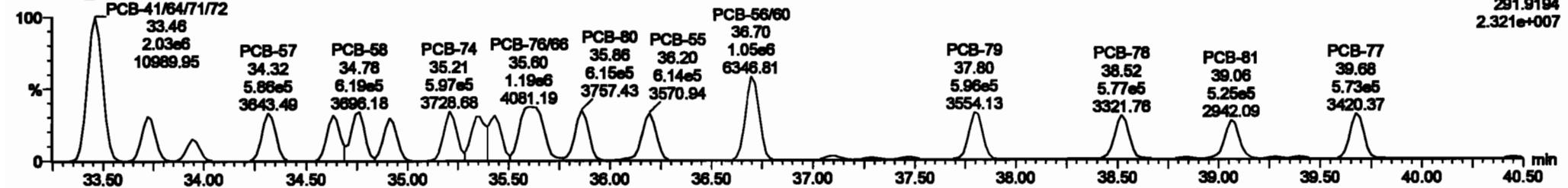
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PCB-68

200601K1\_4

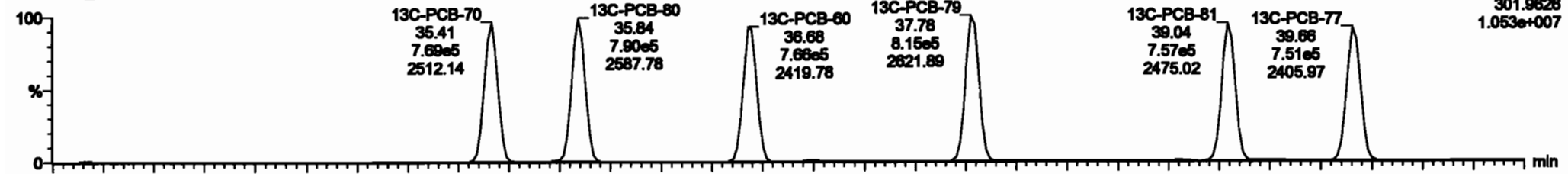


200601K1\_4

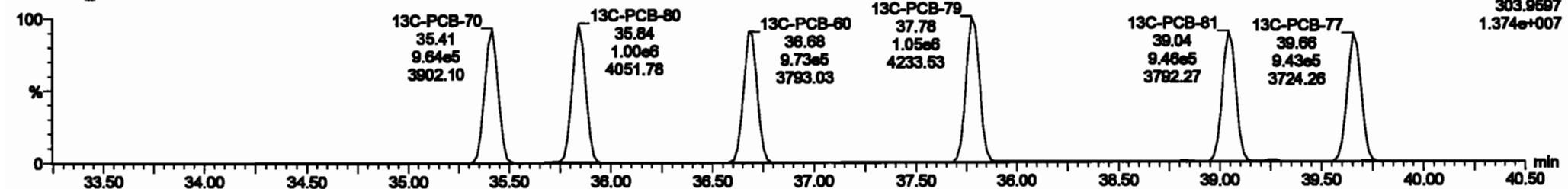


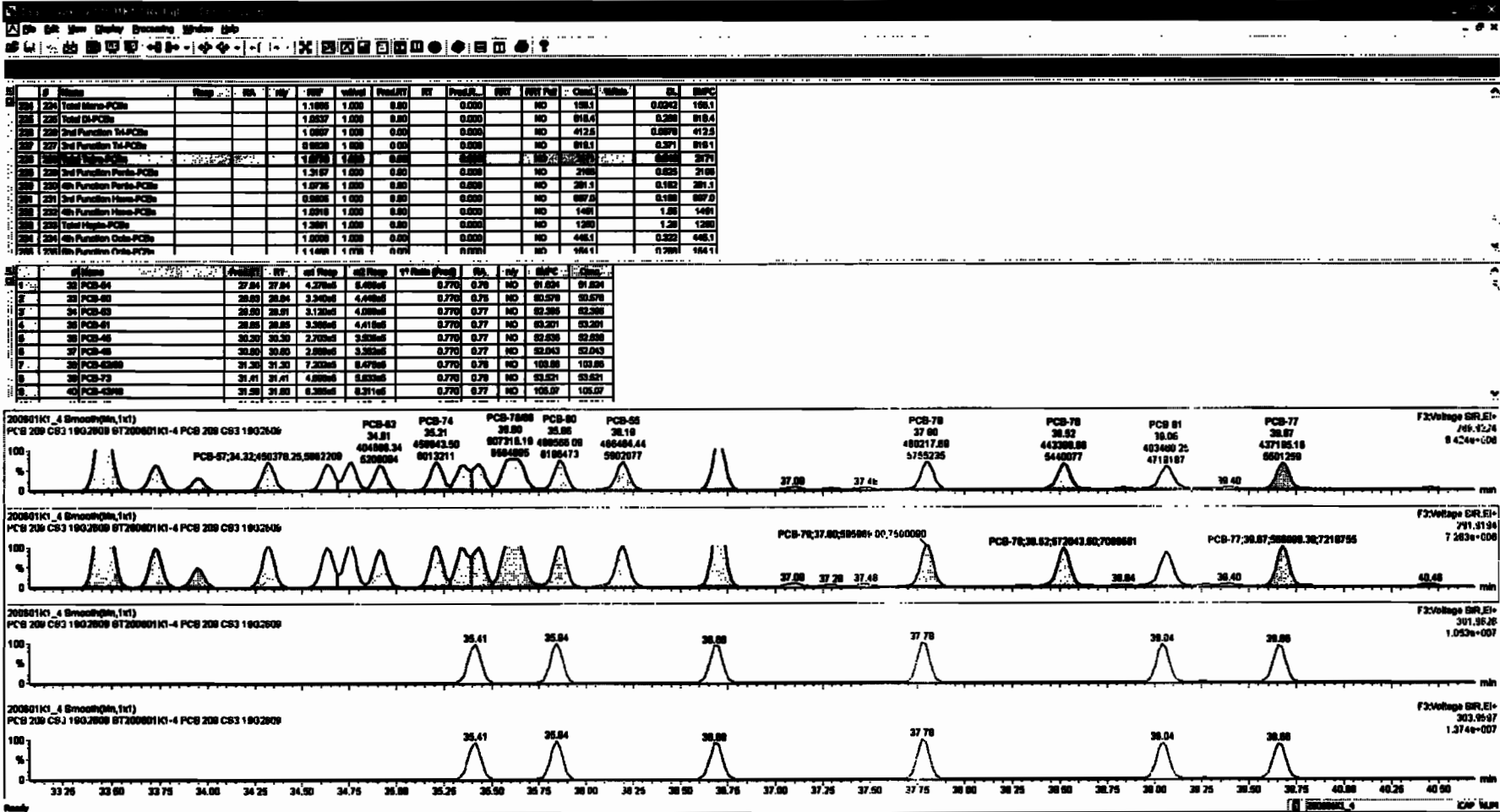
13C-PCB-60

200601K1\_4



200601K1\_4





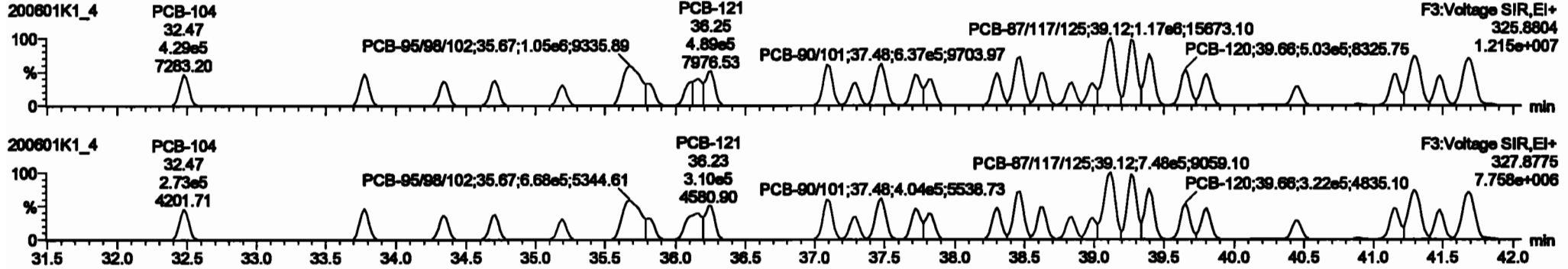
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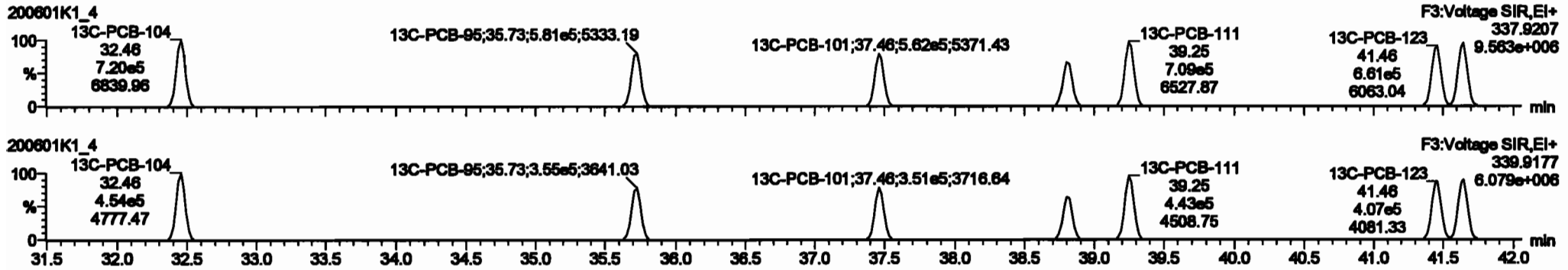
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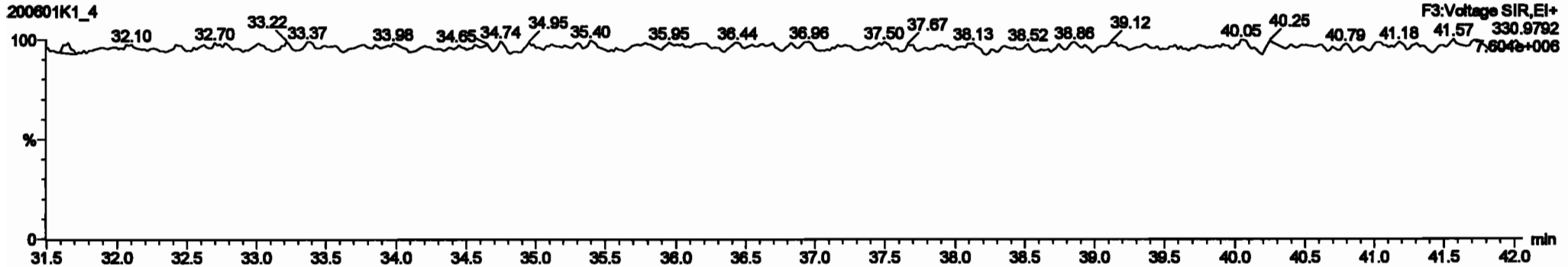
**PCB-104**



**13C-PCB-104**



**PFK3b**



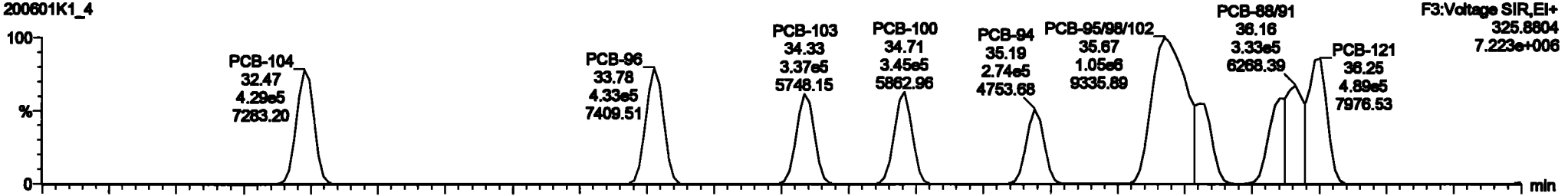
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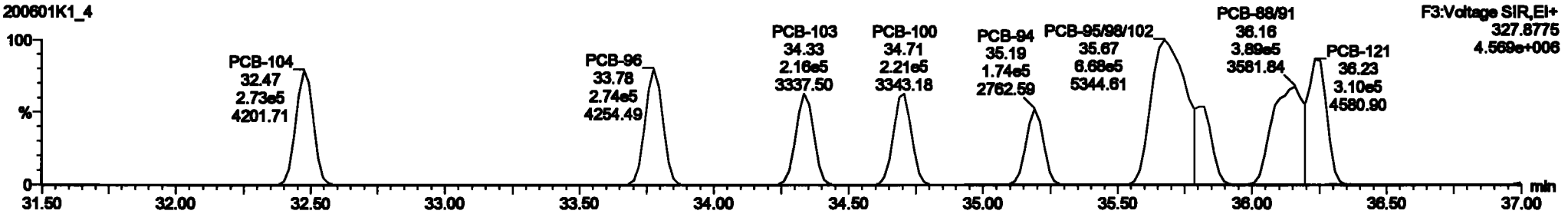
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**PCB-96**

200601K1\_4



200601K1\_4

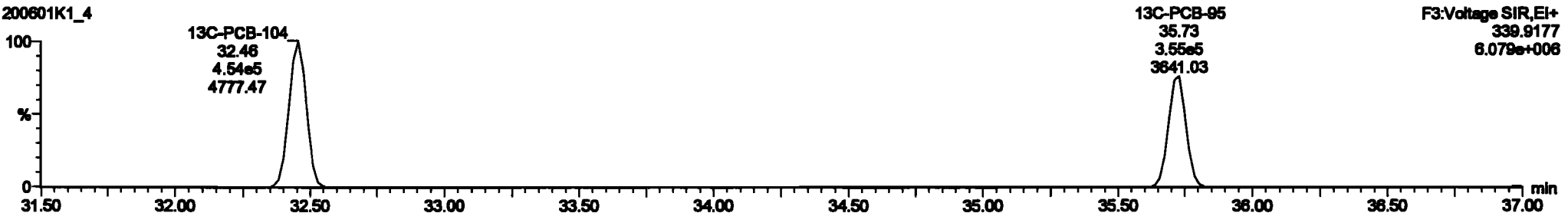


**13C-PCB-95**

200601K1\_4

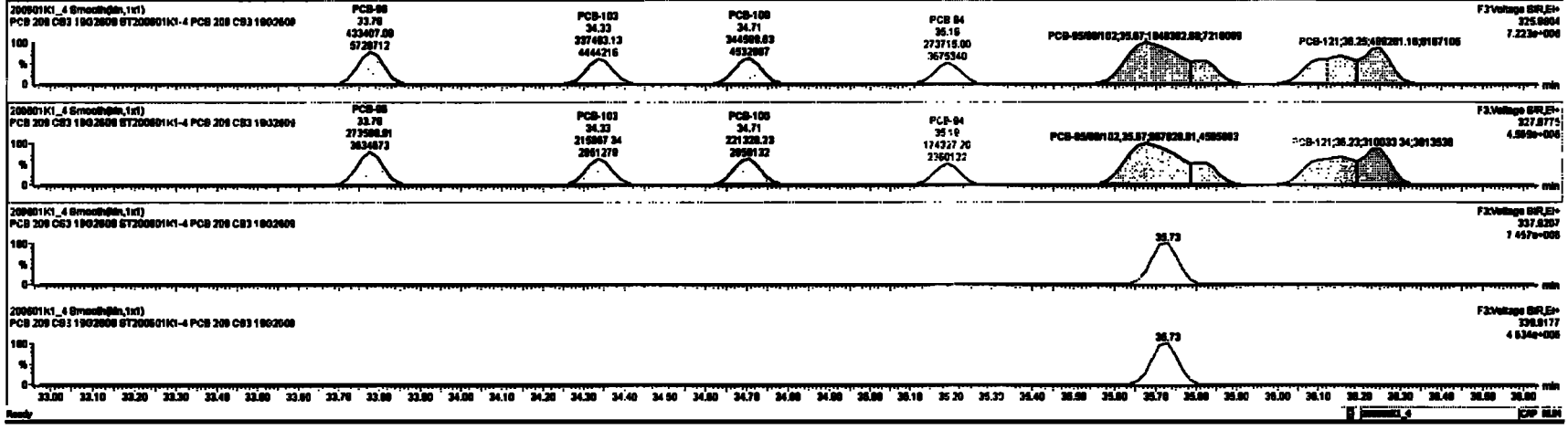


200601K1\_4



#	Category	Wgt	Vol	Qty	RF	Vol	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
224	Total Micro-PCBs				1.000	1.000	0.00	0.000	NO	189.1	0.0242	189.1						
225	Total BLPCBs				1.000	1.000	0.00	0.000	NO	818.4	0.280	818.4						
226	Total Para-PCBs				1.000	1.000	0.00	0.000	NO	412.0	0.0890	412.0						
227	Total Para-PCBs				0.920	1.000	0.00	0.000	NO	818.1	0.391	818.1						
228	Total Para-PCBs				1.070	1.000	0.00	0.000	NO	2171	0.563	2171						
229	Total Para-PCBs				1.200	1.000	0.00	0.000	NO	11,200	0.250	11,200						
230	4th Para-PCBs				1.000	1.000	0.00	0.000	NO	291.1	0.140	291.1						
231	3rd Para-PCBs				0.920	1.000	0.00	0.000	NO	897.0	0.160	897.0						
232	2nd Para-PCBs				1.000	1.000	0.00	0.000	NO	1481	1.66	1481						
233	1st Para-PCBs				1.200	1.000	0.00	0.000	NO	1280	1.28	1280						
234	4th Para-PCBs				1.000	1.000	0.00	0.000	NO	446.1	0.322	446.1						
235	3rd Para-PCBs				1.000	1.000	0.00	0.000	NO	194.1	0.261	194.1						

#	Category	Wgt	Vol	Qty	RF	Vol	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
84	PCB-104				32.47	32.47	4.20e+6	2.72e+6	1.800	1.87	NO	83.294	83.294					
85	PCB-88				33.76	33.76	4.20e+6	2.72e+6	1.800	1.88	NO	82.188	82.188					
86	PCB-103				34.23	34.23	3.29e+6	2.10e+6	1.800	1.89	NO	83.288	83.288					
87	PCB-109				34.80	34.71	3.44e+6	2.35e+6	1.800	1.88	NO	83.218	83.218					
88	PCB-84				35.23	35.13	2.79e+6	1.79e+6	1.800	1.87	NO	83.486	83.486					
89	PCB-85/88/92				35.89	35.87	1.40e+6	8.97e+5	1.800	1.87	NO	183.28	183.28					
70	PCB-83				36.81	36.81	2.83e+6	1.74e+6	1.800	1.83	NO	83.282	83.282					
71	PCB-88/89				38.10	38.16	6.07e+6	3.82e+6	1.800	1.88	NO	100.02	100.02					
72	PCB-121				38.28	38.28	4.88e+6	3.10e+6	1.800	1.88	NO	48.888	48.888					



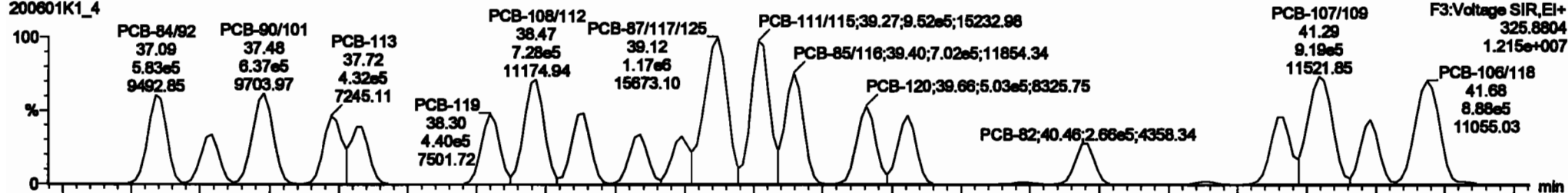
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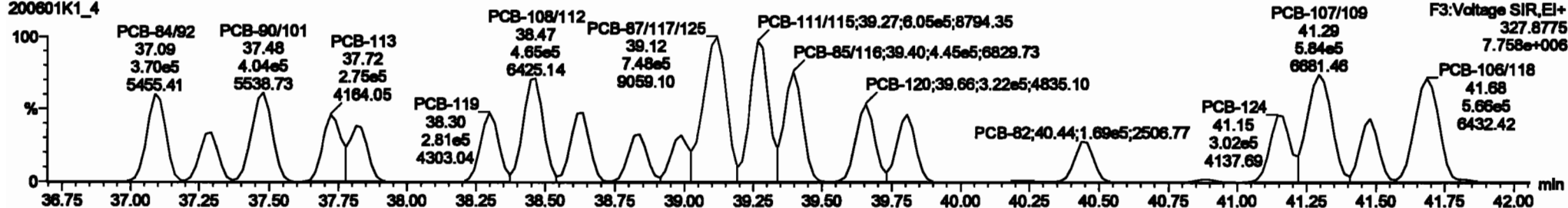
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PCB-119

200601K1\_4

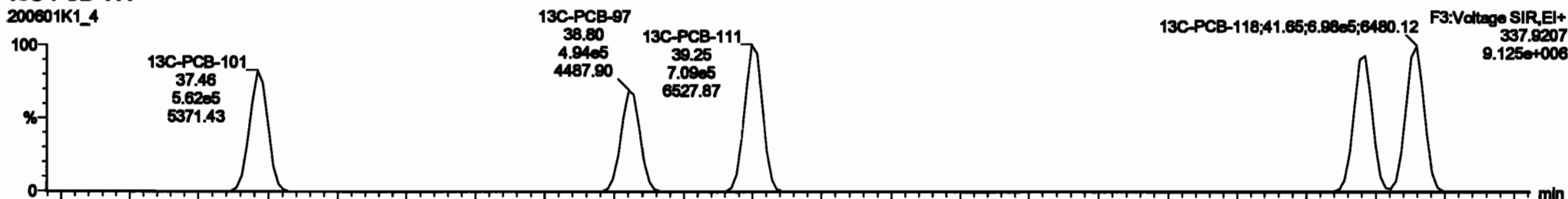


200601K1\_4

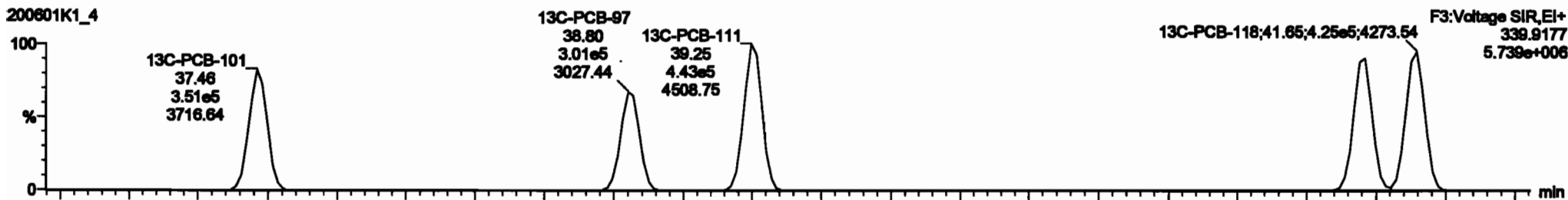


13C-PCB-111

200601K1\_4

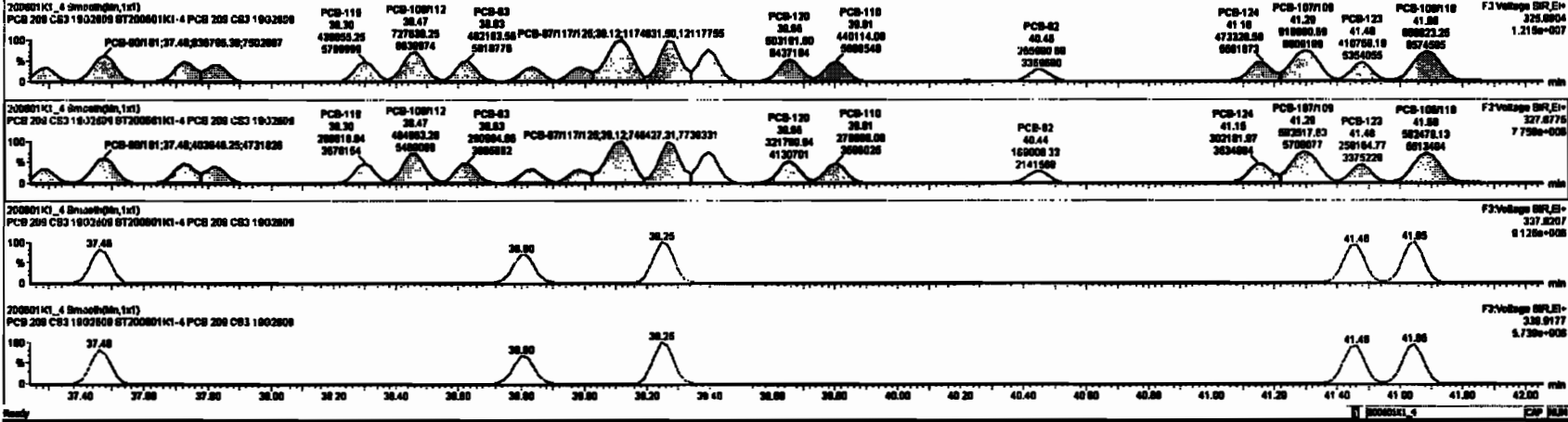


200601K1\_4



#	Name	Range	RA	Qty	Unit	Prod	Prod	DF	Prod	DF	Prod	DF	Prod	DF	Prod	DF	Prod	DF
234	Total Micro-PCBs					1,188	1,000	0.00	0.000	NO	188.1	0.000	188.1					
235	Total D-PCBs					1,000	1,000	0.00	0.000	NO	0.000	0.000	0.000					
236	2nd Function TM-PCBs					1,000	1,000	0.00	0.000	NO	0.000	0.000	0.000					
237	2nd Function TM-PCBs					0.000	1,000	0.00	0.000	NO	0.000	0.000	0.000					
238	Total TMS-PCBs					1,076	1,000	0.00	0.000	NO	76.1	0.000	76.1					
239	4th Function Hesa-PCBs					1,000	1,000	0.00	0.000	NO	0.000	0.000	0.000					
240	4th Function Hesa-PCBs					0.000	1,000	0.00	0.000	NO	0.000	0.000	0.000					
241	4th Function Hesa-PCBs					1,000	1,000	0.00	0.000	NO	0.000	0.000	0.000					
242	Total Hesa-PCBs					1,000	1,000	0.00	0.000	NO	0.000	0.000	0.000					
243	4th Function Cds-PCBs					1,000	1,000	0.00	0.000	NO	0.000	0.000	0.000					
244	4th Function Cds-PCBs					1,000	1,000	0.00	0.000	NO	0.000	0.000	0.000					
245	4th Function Cds-PCBs					1,000	1,000	0.00	0.000	NO	0.000	0.000	0.000					

#	Name	Prod	DF	off Range	off Range	1 <sup>st</sup> Peak (Prod)	RA	Qty	Unit	Prod	DF	Prod	DF
64	PCB-118	32.47	32.47	4.20e-6	2.72e-6	1.000	1.00	NO	63.234	63.234			
65	PCB-43	33.76	33.76	4.20e-6	2.72e-6	1.000	1.00	NO	62.119	62.119			
66	PCB-109	34.23	34.23	3.37e-6	2.18e-6	1.000	1.00	NO	60.288	60.288			
67	PCB-103	34.69	34.71	3.44e-6	2.21e-6	1.000	1.00	NO	60.016	60.016			
68	PCB-41	35.21	35.19	2.72e-6	1.74e-6	1.000	1.00	NO	60.480	60.480			
69	PCB-44	35.69	35.67	1.84e-6	0.67e-6	1.000	1.00	NO	162.28	162.28			
70	PCB-40	36.01	36.01	2.50e-6	1.74e-6	1.000	1.00	NO	60.280	60.280			
71	PCB-40	36.10	36.10	0.07e-6	3.00e-6	1.000	1.00	NO	100.00	100.00			
72	PCB-121	36.30	36.28	4.00e-6	3.10e-6	1.000	1.00	NO	49.000	49.000			



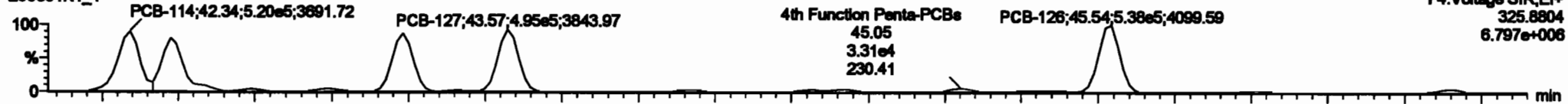
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Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

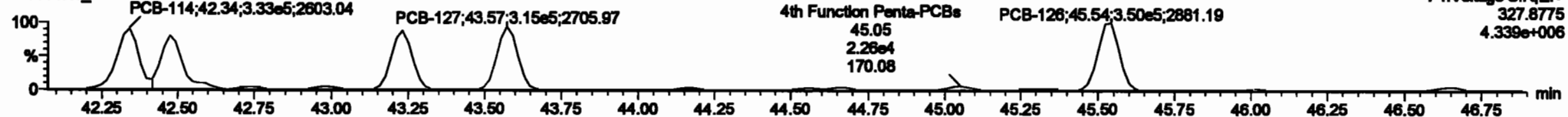
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**PCB-114**

200601K1\_4

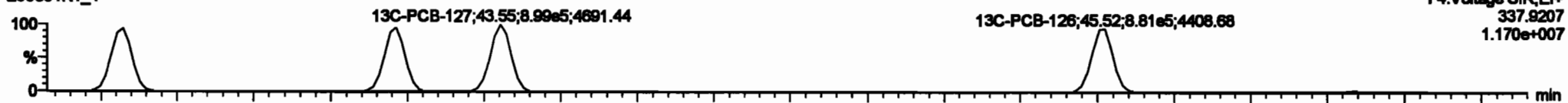


200601K1\_4

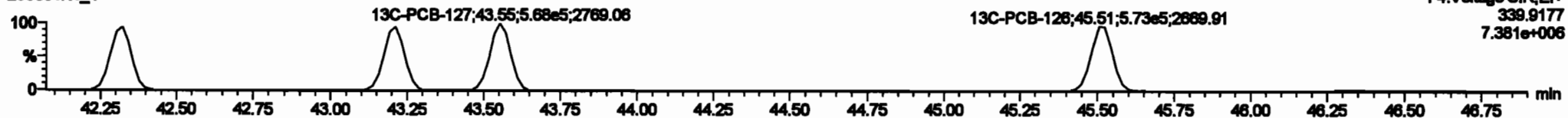


**13C-PCB-114**

200601K1\_4

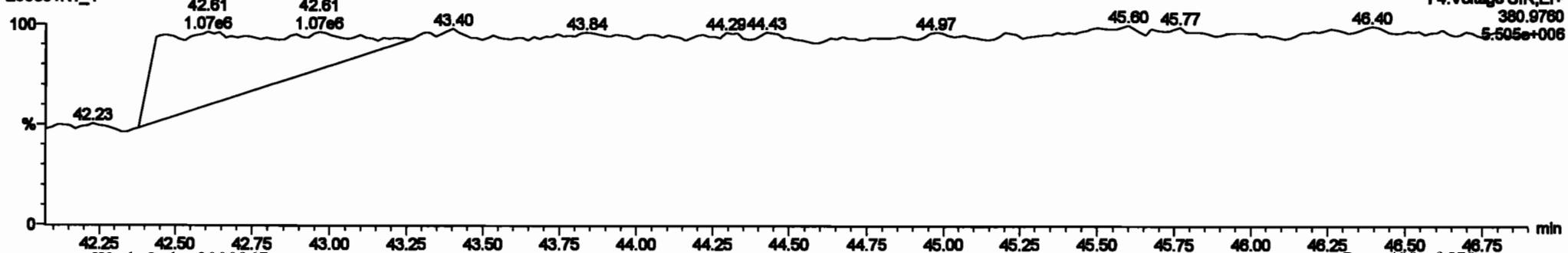


200601K1\_4



**PFK4a**

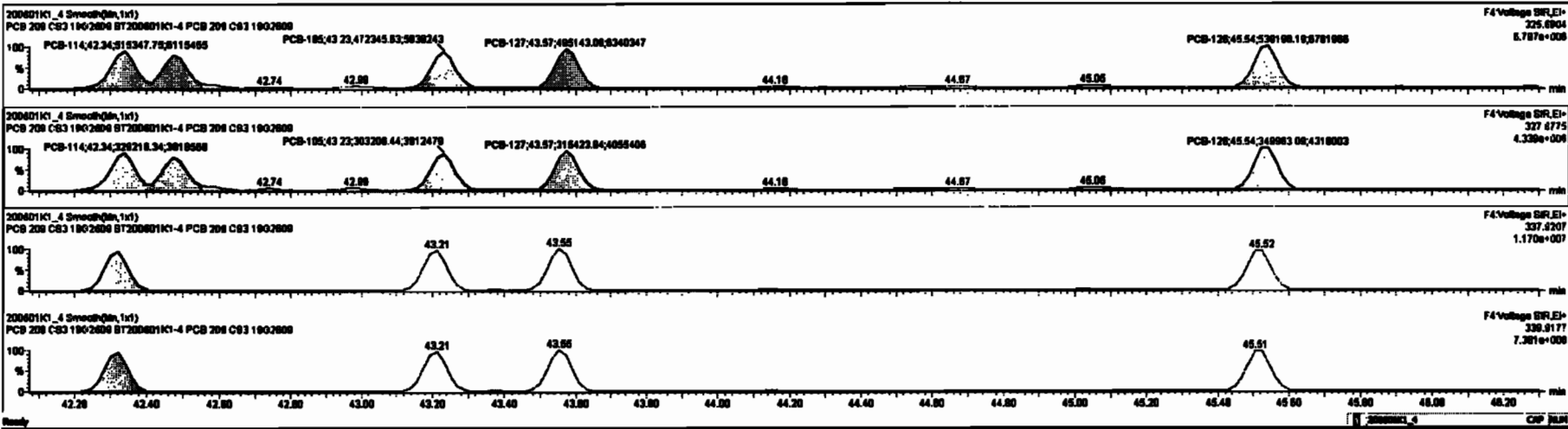
200601K1\_4





#	Name	Range	BA	Units	RPV	col/row	RPV	col/row	RPV	col/row	RPV	col/row	RPV	col/row	RPV	col/row	RPV	col/row	RPV	col/row
224	Total Micro-PCBs				1.1885	1.000	0.00		0.000		NO	198.1		0.0042	198.1					
225	Total DL-PCBs				1.0837	1.000	0.00		0.000		NO	818.4		0.289	818.4					
226	2nd Function Tri-PCBs				1.2607	1.000	0.00		0.000		NO	412.5		0.0070	412.5					
227	3rd Function Tri-PCBs				0.9828	1.000	0.00		0.000		NO	818.1		0.371	818.1					
228	Total Tetra-PCBs				1.5778	1.000	0.00		0.000		NO	2171		0.843	2171					
229	2nd Function Tetra-PCBs				1.3157	1.000	0.00		0.000		NO	2168		0.828	2168					
230	3rd Function Tetra-PCBs				1.0922	1.000	0.00		0.000		NO	204.0		0.488	204.0					
231	4th Function Tetra-PCBs				0.8884	1.000	0.00		0.000		NO	897.0		0.188	897.0					
232	5th Function Tetra-PCBs				1.0918	1.000	0.00		0.000		NO	1481		1.55	1481					
233	Total Hepta-PCBs				1.3891	1.000	0.00		0.000		NO	1280		1.28	1280					
234	6th Function Octa-PCBs				1.0008	1.000	0.00		0.000		NO	445.1		0.322	445.1					
235	7th Function Octa-PCBs				1.1488	1.000	0.00		0.000		NO	184.1		0.260	184.1					

#	Name	RPV	col/row	RPV	col/row	RPV	col/row	RPV	col/row	RPV	col/row	RPV	col/row	RPV	col/row	RPV	col/row	RPV	col/row
83	PCB-114	42.34	42.34	6.182e5	3.382e5	1.580	1.87	NO	82.841	82.841									
94	PCB-122	42.48	42.47	4.218e5	2.889e5	1.580	1.88	NO	82.105	82.105									
85	PCB-105	43.23	43.23	4.722e5	3.022e5	1.580	1.88	NO	82.880	82.880									
88	PCB-127	43.87	43.87	4.881e5	3.184e5	1.580	1.87	NO	82.188	82.188									
87	PCB-128	45.84	45.84	6.382e5	3.900e5	1.580	1.84	NO	82.138	82.138									



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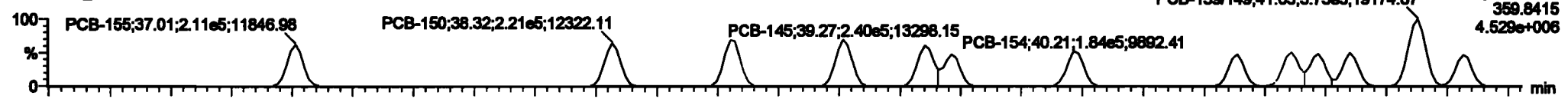
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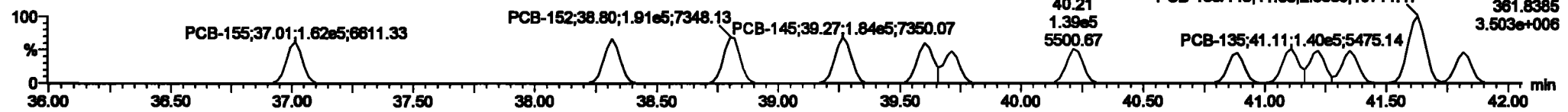
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**PCB-155**

200601K1\_4

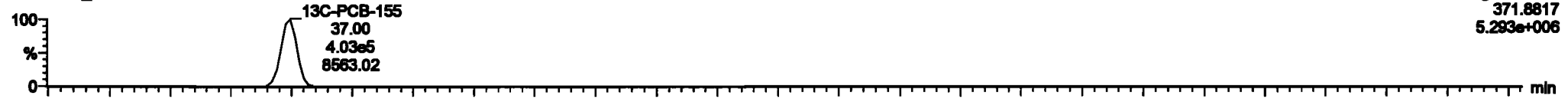


200601K1\_4

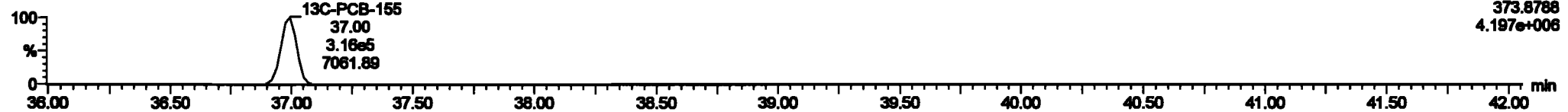


**13C-PCB-155**

200601K1\_4

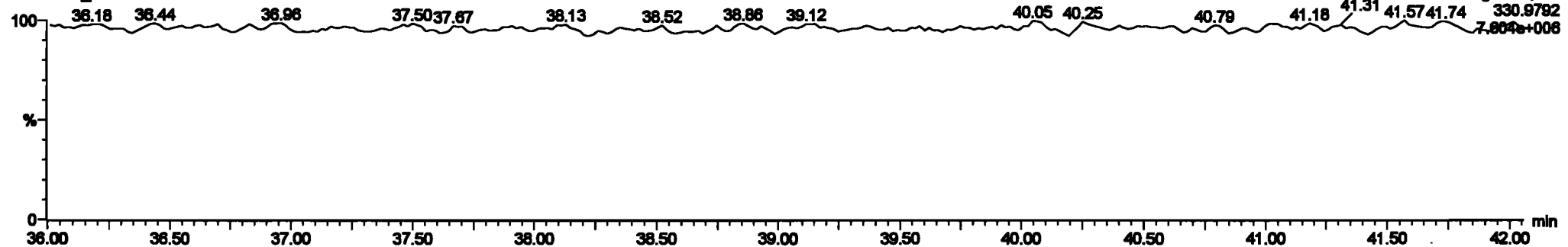


200601K1\_4



**PFK3c**

200601K1\_4

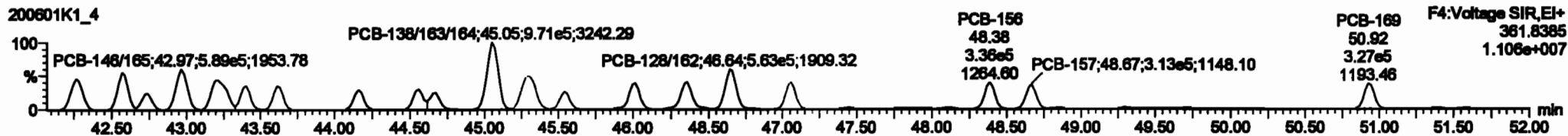
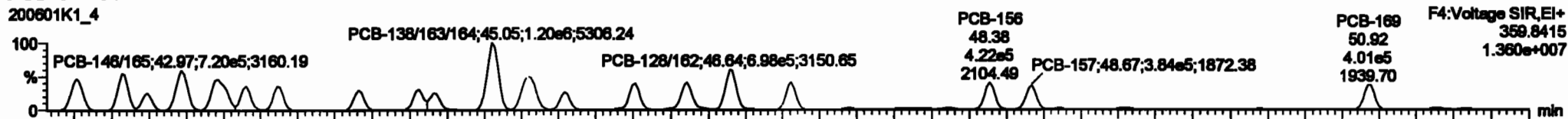


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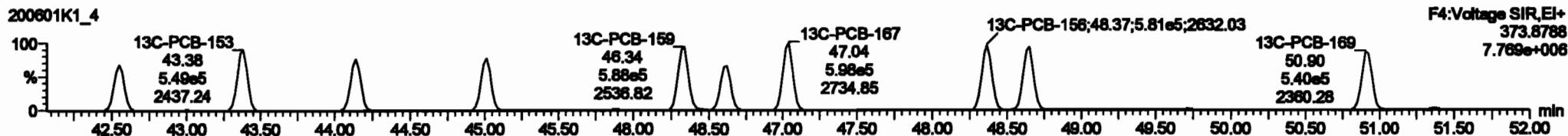
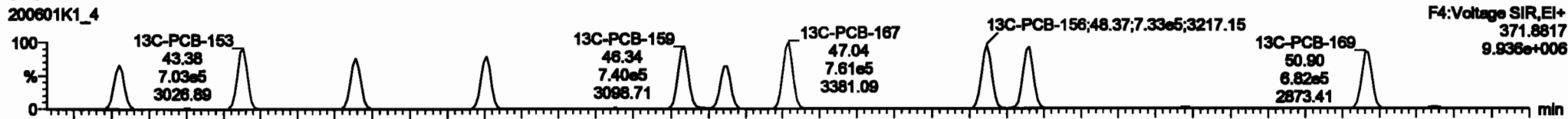
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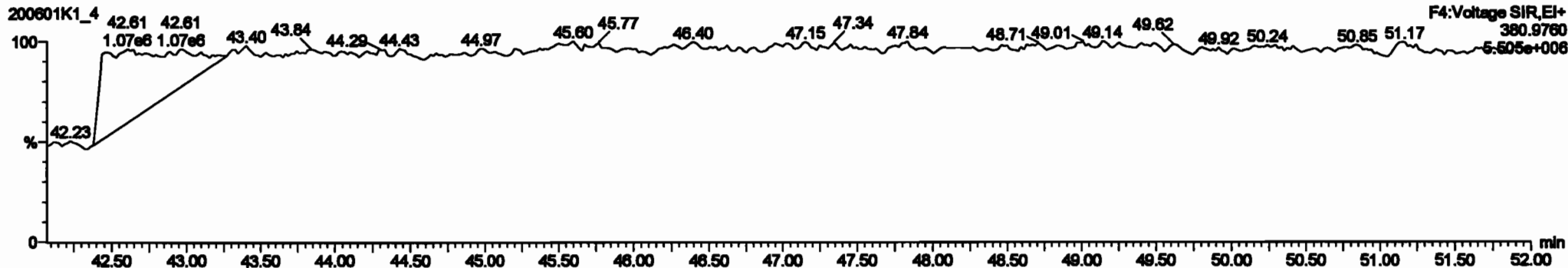
PCB-134/143



13C-PCB-153

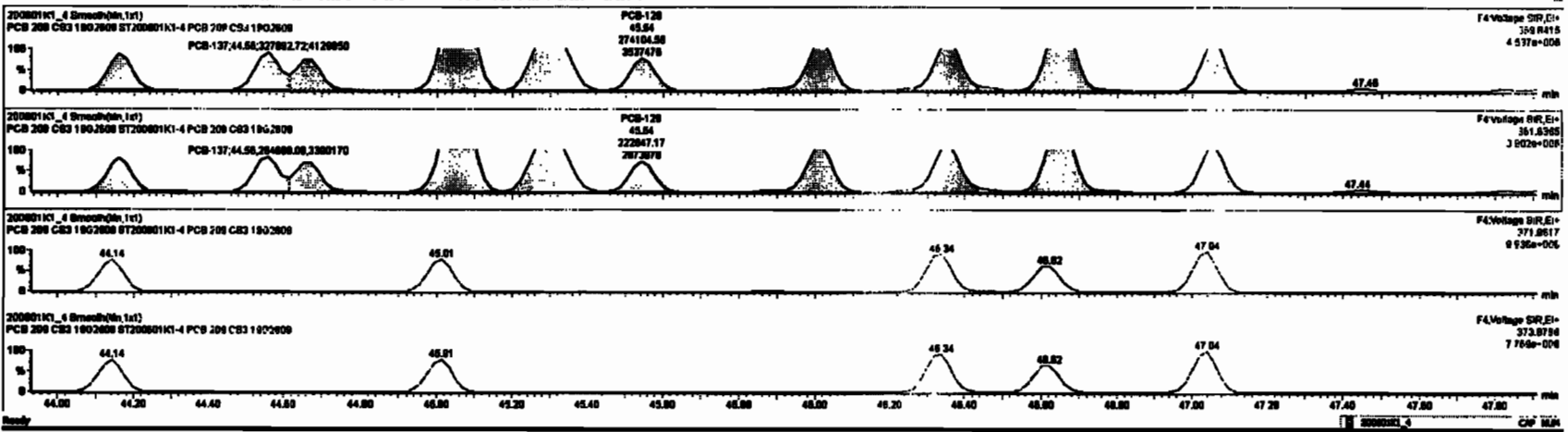


PFK4b



#	Sample	Comp	RA	RI	SRP	col Vol	Peak RT	RT	Peak RT	RI	SRP	SRP Pct	Comp	SRP	DL	SRPC
226	224	Total Mono-PCBs			1.1683	1.000	0.00	0.000			ND	100.1		0.0043	100.1	
226	224	Total Di-PCBs			1.0837	1.000	0.00	0.000			ND	018.4		0.280	018.4	
226	224	2nd Function Tri-PCBs			1.0807	1.000	0.00	0.000			ND	412.6		0.0070	412.6	
227	227	2nd Function Tri-PCBs			0.0030	1.000	0.00	0.000			ND	018.1		0.371	018.1	
228	228	Total Tetra-PCBs			1.0770	1.000	0.00	0.000			ND	2171		0.043	2171	
228	228	2nd Function Penta-PCBs			1.2167	1.000	0.00	0.000			ND	2108		0.026	2108	
228	228	4th Function Penta-PCBs			1.0726	1.000	0.00	0.000			ND	201.1		0.162	201.1	
228	228	2nd Function Hexa-PCBs			0.0000	1.000	0.00	0.000			ND	007.0		0.100	007.0	
228	228	4th Function Hexa-PCBs			1.0513	1.000	0.00	0.000			ND	1.220		1.250	1.220	
228	228	Total Hepta-PCBs			1.2291	1.000	0.00	0.000			ND	1.000		1.20	1.200	
228	224	4th Function Octa-PCBs			1.0000	1.000	0.00	0.000			ND	448.1		0.522	448.1	
228	224	2nd Function Octa-PCBs			1.1488	1.000	0.00	0.000			ND	104.1		0.201	104.1	

#	Sample	Peak RT	RT	col Range	col Range	SRP Range	RA	RI	SRPC	Comp
1	111 PCB-129/43	43.28	43.28	6.800e6	6.800e6	1.240	1.24	ND	108.04	108.04
2	112 PCB-131/38	43.89	43.87	6.800e6	4.87e6	1.240	1.22	ND	108.33	108.33
3	113 PCB-142	43.74	43.74	2.800e6	2.130e6	1.240	1.24	ND	93.770	93.770
4	114 PCB-148/88	43.89	43.87	7.200e6	6.600e6	1.240	1.22	ND	103.87	103.87
5	115 PCB-152/81	43.22	43.21	7.200e6	6.800e6	1.240	1.24	ND	102.88	102.88
6	116 PCB-153	43.66	43.68	3.800e6	3.10e6	1.240	1.26	ND	82.913	82.913
7	117 PCB-160	43.83	43.81	3.81e6	3.07e6	1.240	1.24	ND	91.880	91.880
8	118 PCB-141	44.56	44.58	3.00e6	2.40e6	1.240	1.26	ND	91.880	91.880
9	119 PCB-137	44.88	44.88	3.27e6	2.94e6	1.240	1.24	ND	91.880	91.880

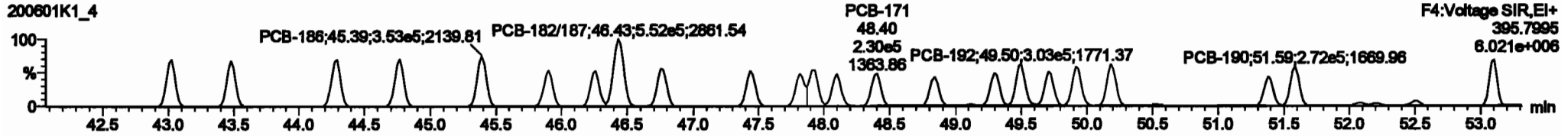
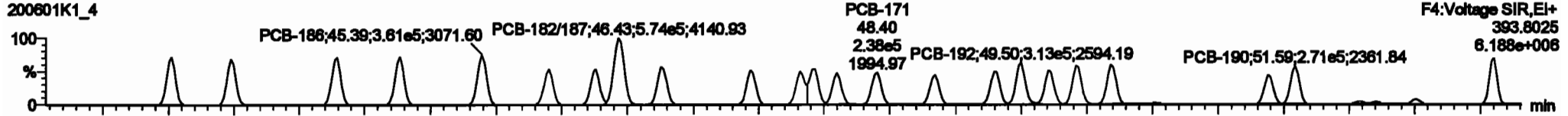


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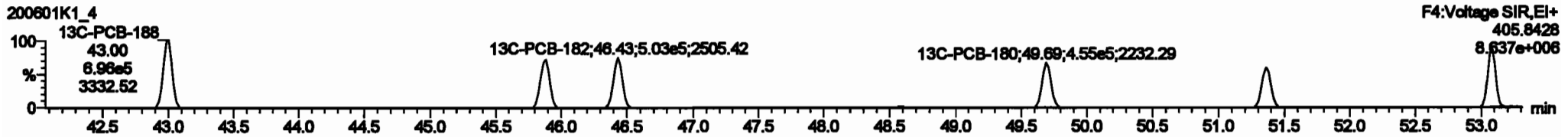
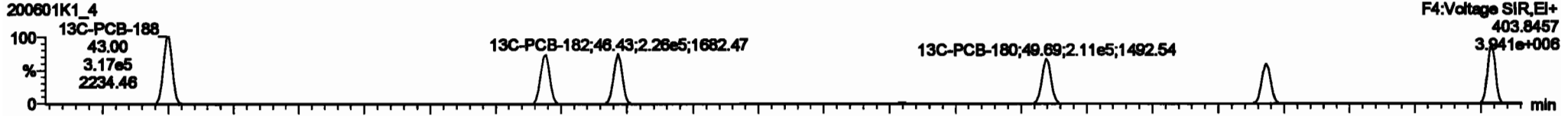
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Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

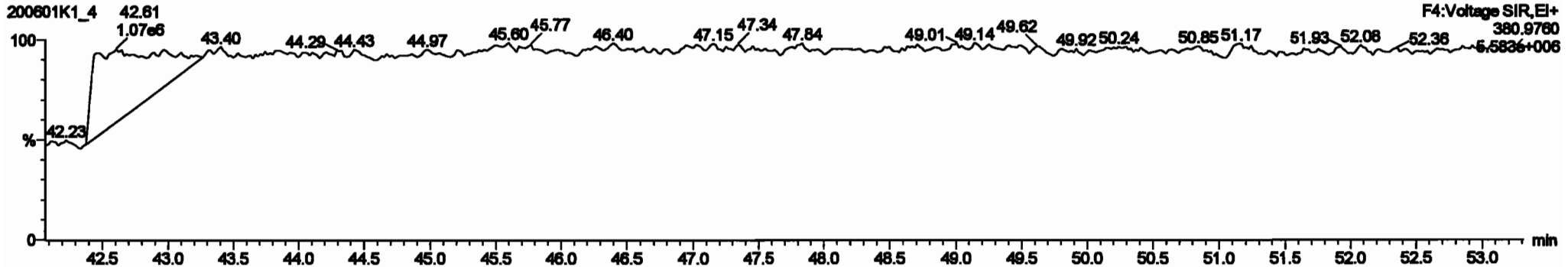
**PCB-188**



**13C-PCB-188**



**PFK4c**



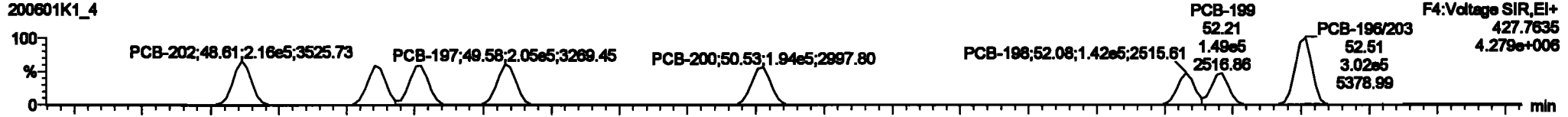
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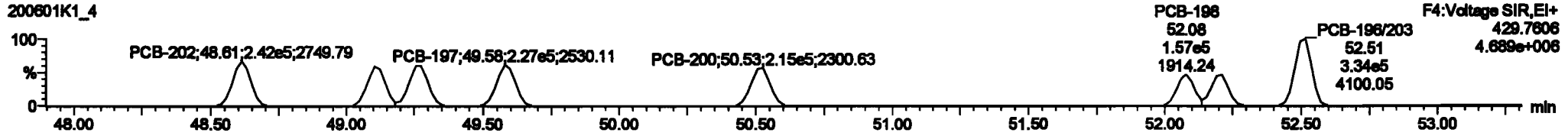
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PCB-202

200601K1\_4

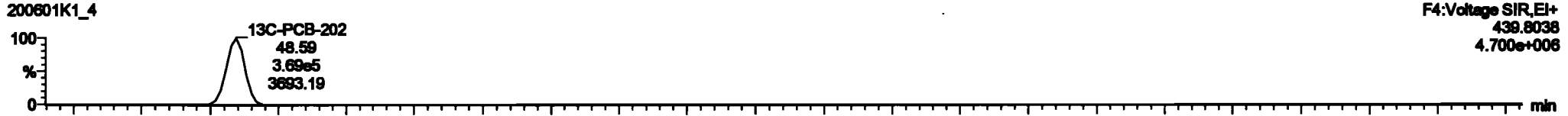


200601K1\_4

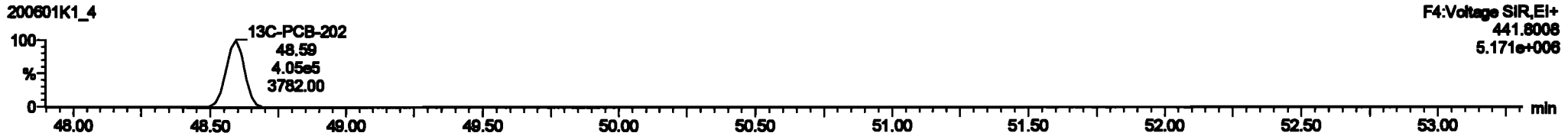


13C-PCB-202

200601K1\_4

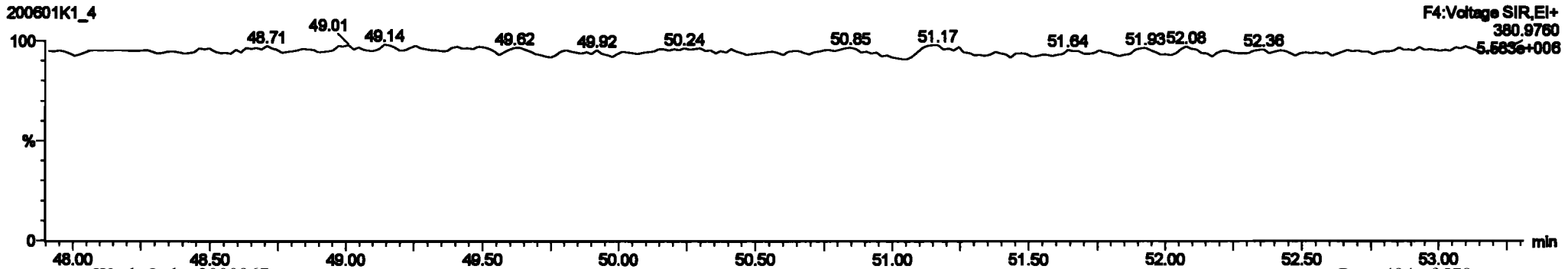


200601K1\_4



PFK4d

200601K1\_4



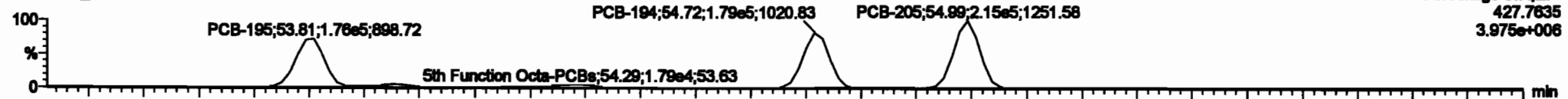
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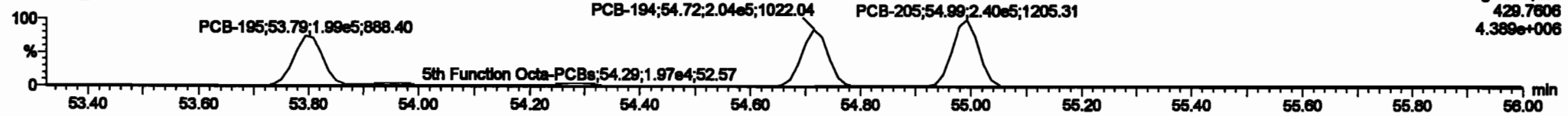
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**PCB-195**

200601K1\_4

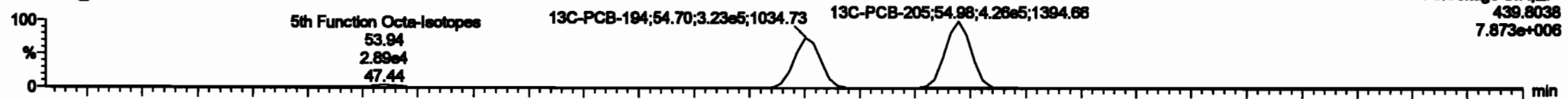


200601K1\_4

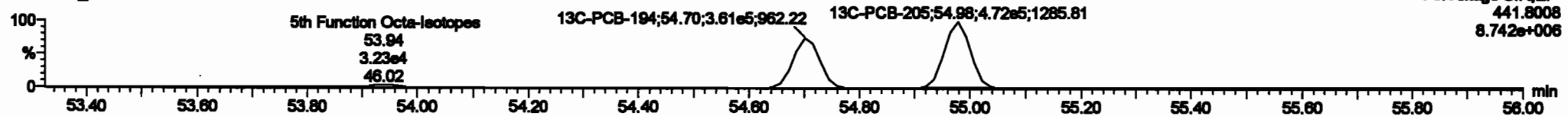


**13C-PCB-194**

200601K1\_4

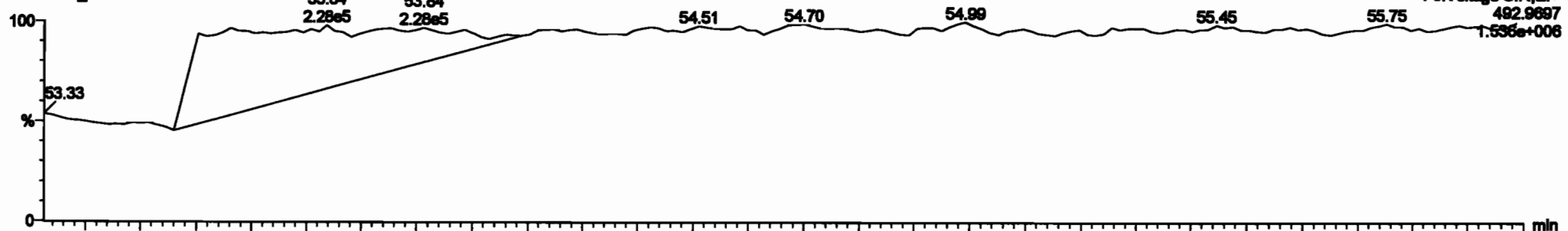


200601K1\_4



**PFK5a**

200601K1\_4



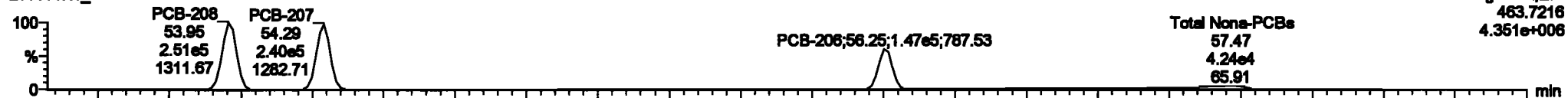
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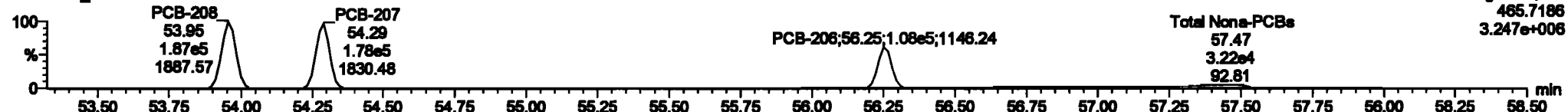
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**PCB-208**

200601K1\_4

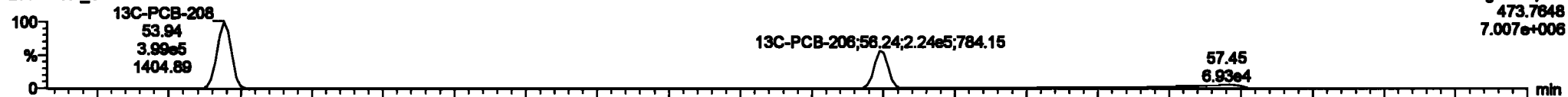


200601K1\_4

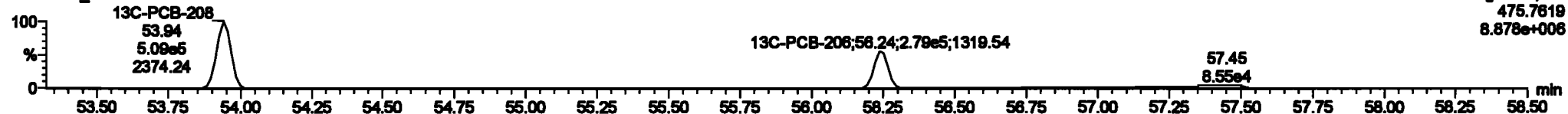


**13C-PCB-208**

200601K1\_4

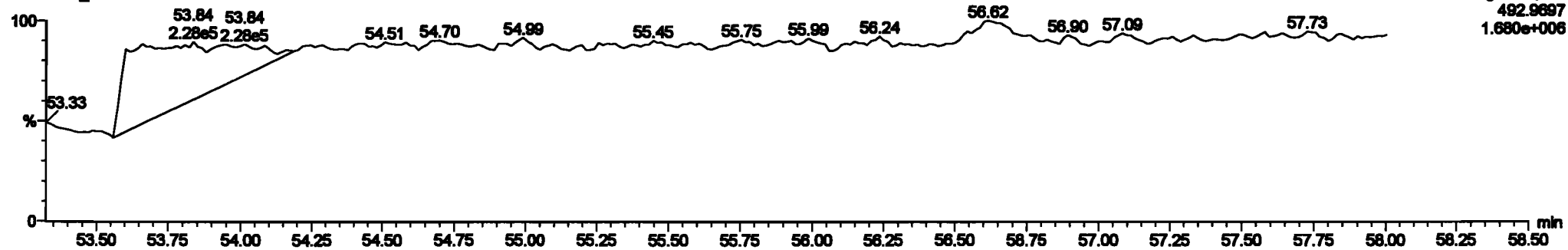


200601K1\_4



**PFK5**

200601K1\_4





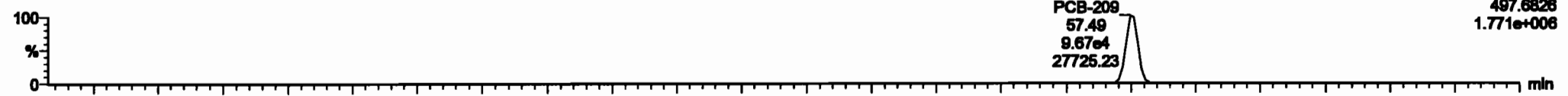
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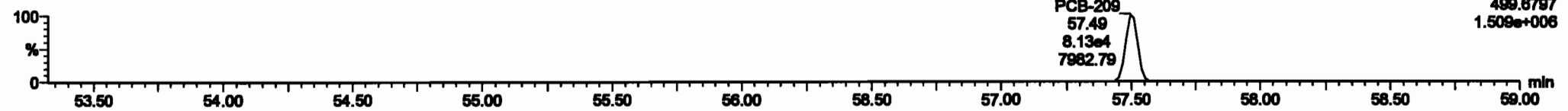
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**PCB-209**

200601K1\_4

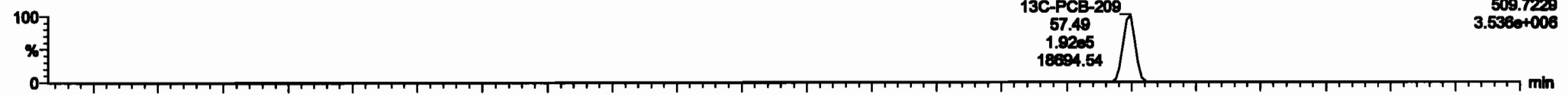


200601K1\_4

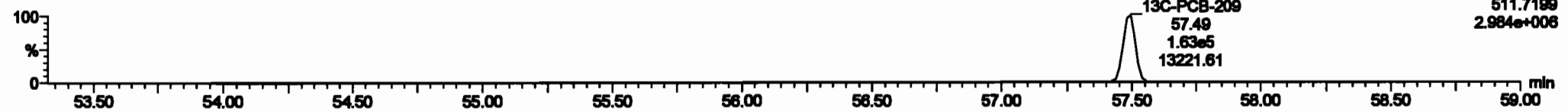


**13C-PCB-209**

200601K1\_4

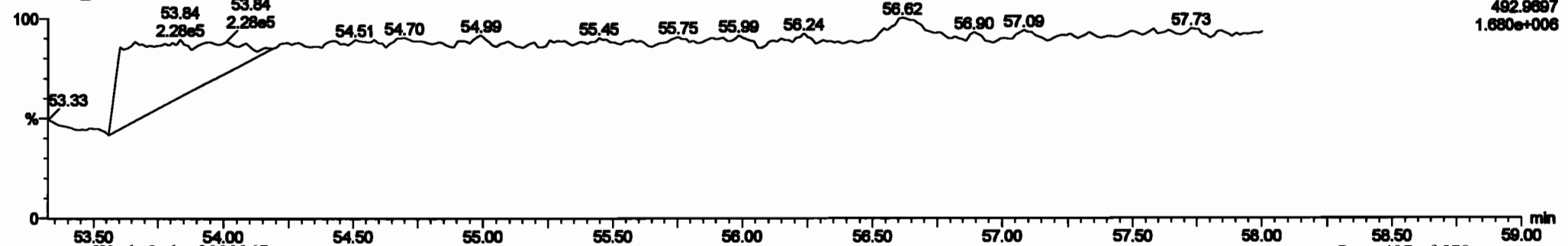


200601K1\_4



**PFK5b**

200601K1\_4

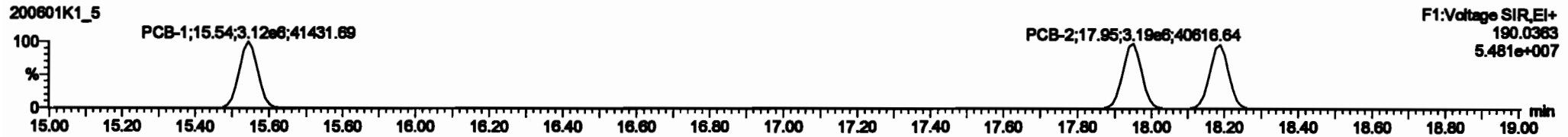


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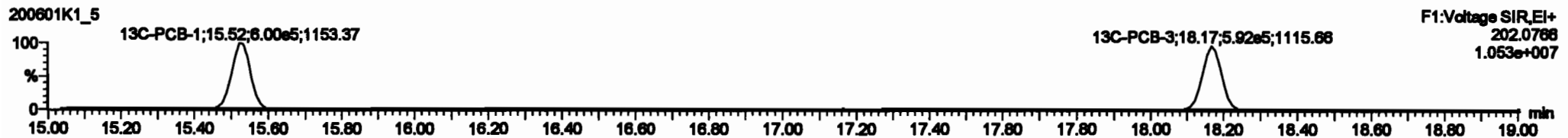
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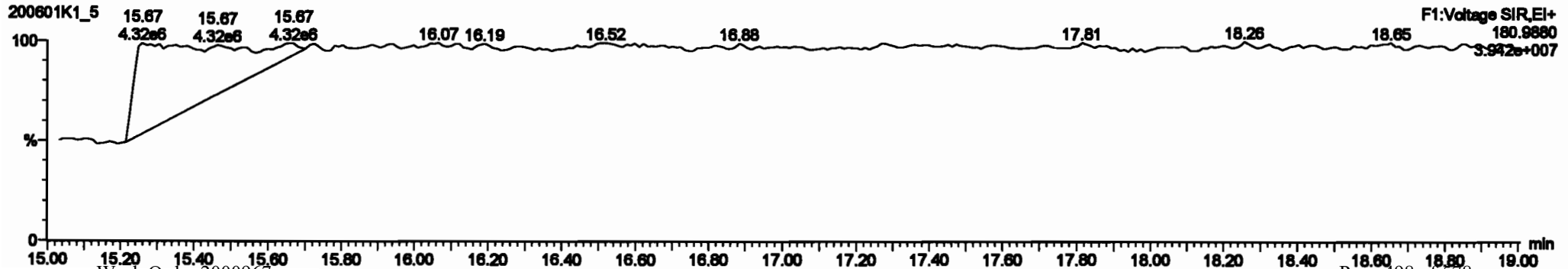
PCB-1



13C-PCB-1



PFK1

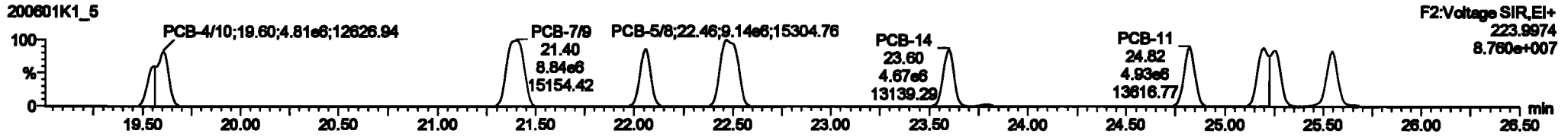
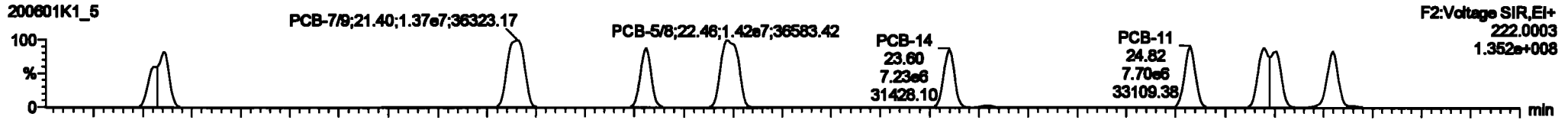


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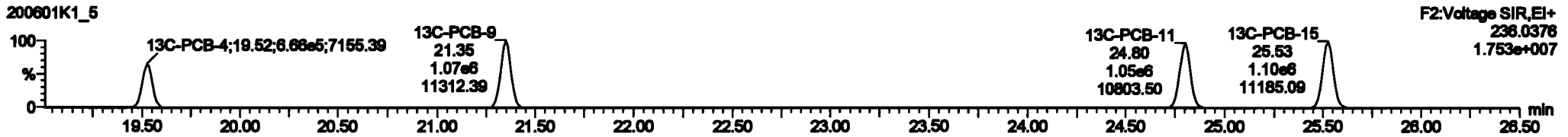
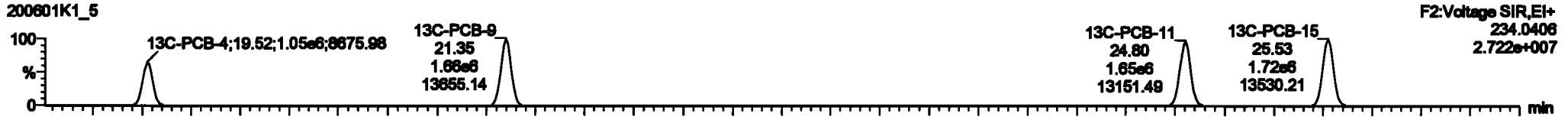
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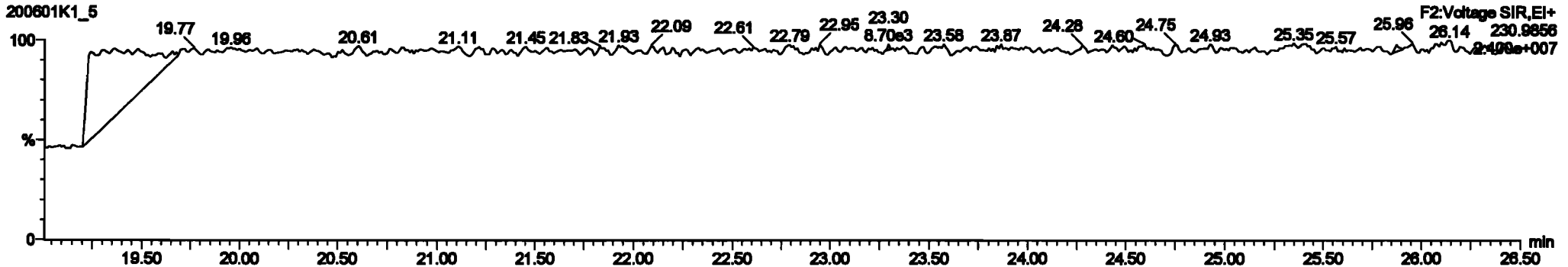
PCB-4/10



13C-PCB-4

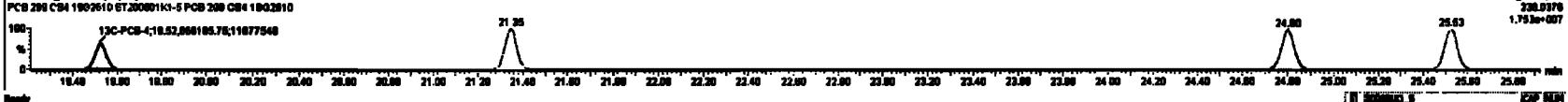
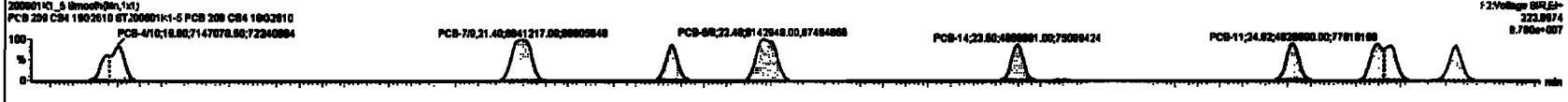
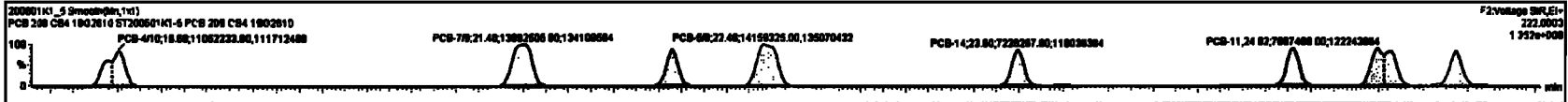


PFK2a



#	Name	Step	Qty	By	RFQ	Unit Cost	Page 001	RF	Page 001	RFQ	Unit Cost	QTY	Value	CL	RFQ
220	13C-PCB-78	1.0000	0.78	NO	1.0000	1.0000	27.70	0.0000	0.0000	NO	07.40	07.4	0.0073		
221	13C-PCB-178	7.0000	0.44	NO	1.0000	1.0000	45.80	0.0000	0.0000	NO	07.10	07.2	0.5112		
222	1st Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	12.00	0.0000	1.200		
223	2nd Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	3.00	0.0000	0.300		
224	3rd Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	0.75	0.0000	0.075		
225	4th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	17.00	1.77	17.000		
226	5th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	17.00	0.0000	17.000		
227	6th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	21.20	0.300	21.200		
228	7th Function PCBs				0.0000	1.0000	0.00	0.0000	0.0000	NO	0.00	0.000	0.000		
229	8th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	121.00	2.87	121.000		
230	9th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	100.00	4.00	100.000		
231	10th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	100.00	4.00	100.000		
232	11th Function PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	100.00	4.00	100.000		
233	Total PCBs				1.0000	1.0000	0.00	0.0000	0.0000	NO	100.00	4.00	100.000		

#	Name	Step	Qty	By	RFQ	Unit Cost	Page 001	RF	Page 001	RFQ	Unit Cost	QTY	Value	CL	RFQ
4	PCB-4A0	19.00	19.00	1.0000	7.5400	1.00	1.00	NO	048.00	048.00					
5	PCB-7A0	21.41	21.40	1.0000	0.0000	1.00	1.00	NO	000.00	000.00					
6	PCB-8	22.00	22.00	7.0000	4.0000	1.00	1.00	NO	438.40	438.40					
7	PCB-8A	22.00	22.00	1.0000	0.5400	1.00	1.00	NO	000.00	000.00					
8	PCB-4A	23.01	23.00	7.0000	4.0000	1.00	1.00	NO	438.10	438.10					
9	PCB-4A	24.00	24.00	7.0000	4.0000	1.00	1.00	NO	418.11	418.11					
10	PCB-12A0	26.20	26.20	1.0000	0.3000	1.00	1.00	NO	000.27	000.27					
11	PCB-16	26.07	26.00	7.0000	4.0000	1.00	1.00	NO	438.20	438.20					

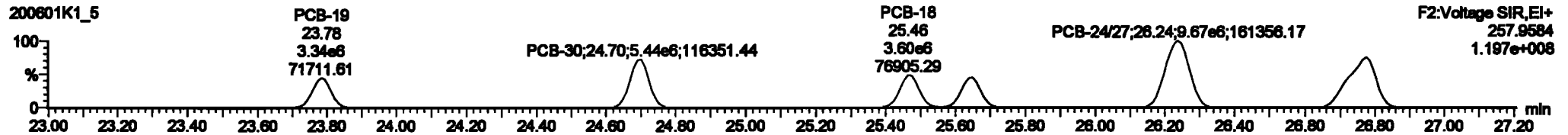


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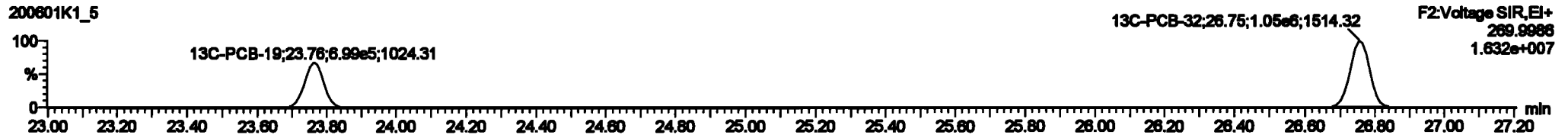
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

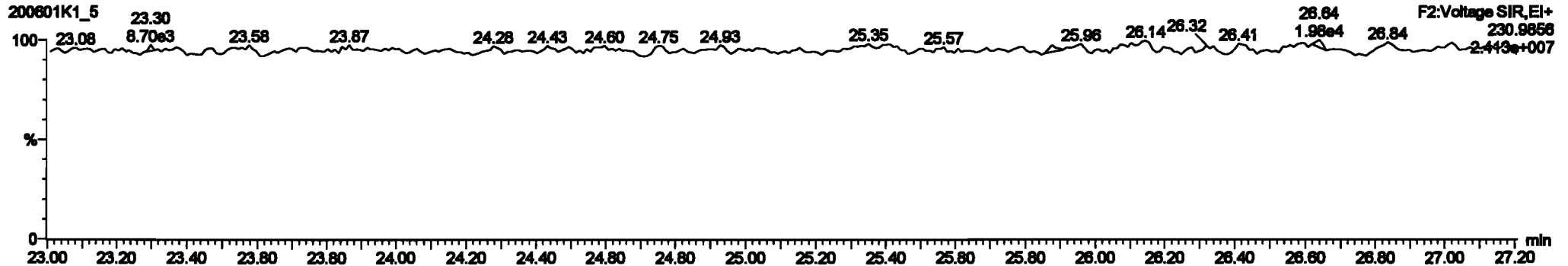
PCB-19



13C-PCB-19



PFK2b

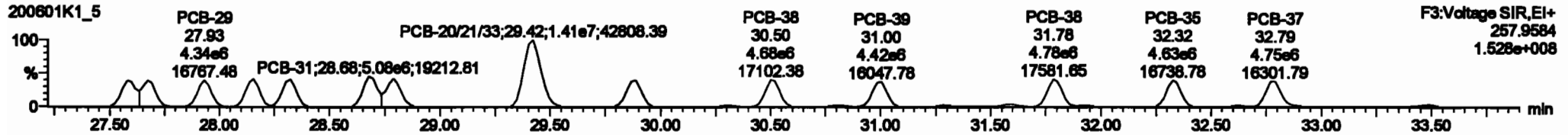
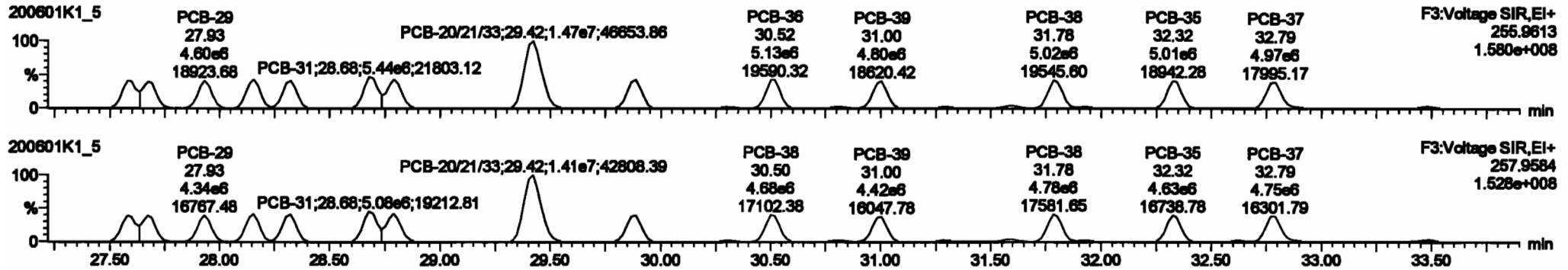


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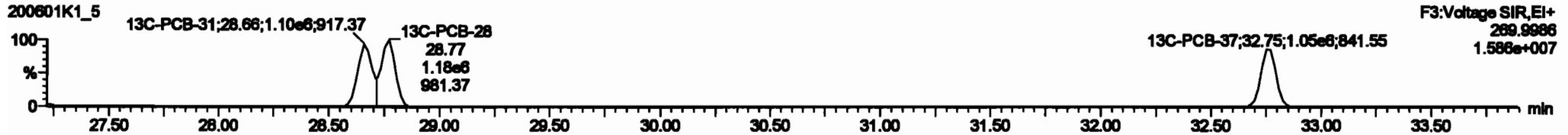
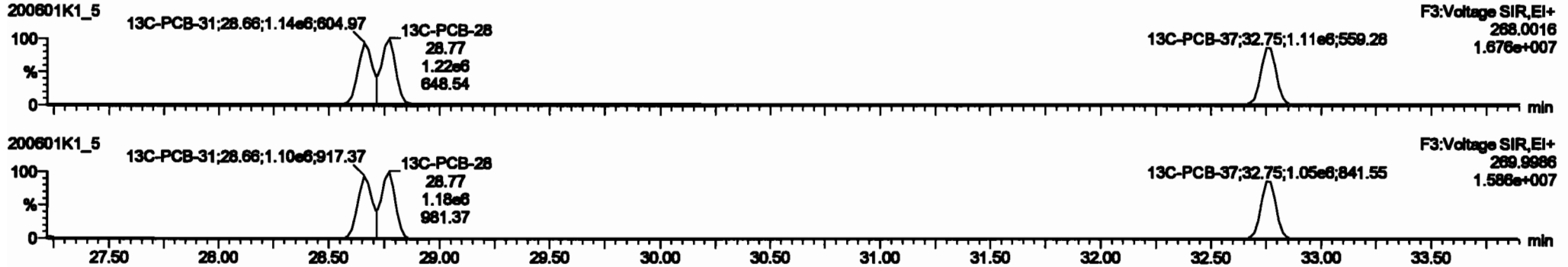
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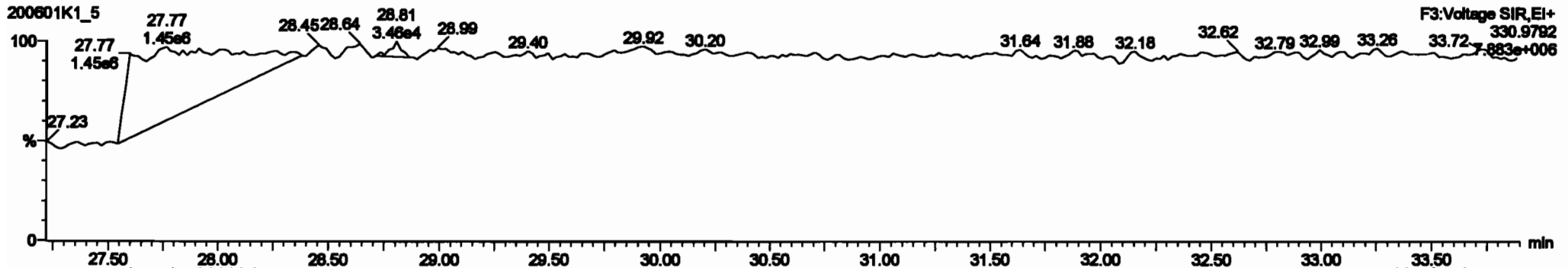
**PCB-34**



**13C-PCB-28**

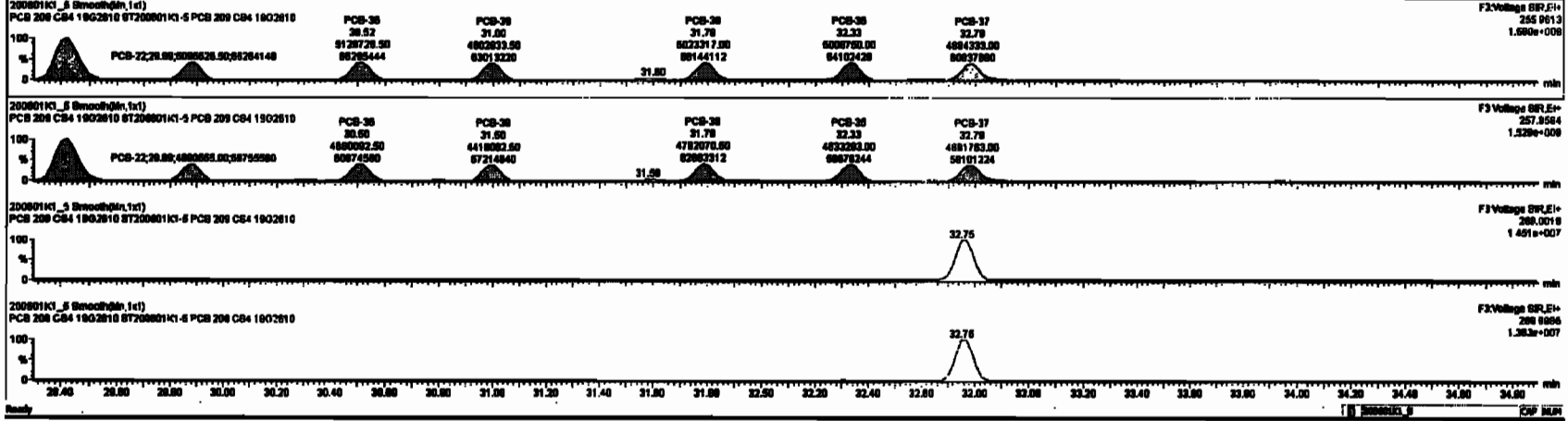


**PFK3d**



Peak	Name	Area	Height	Width	Retention	Response	Conc.	%Area	Height
220	13C-PCB-78	1.89e6	0.79	NO	1.0021	1.000	37.76	37.76	0.000
226	13C-PCB-178	7.89e6	0.61	NO	1.0000	1.000	48.87	48.88	0.000
224	Total Mono-PCBs				1.1095	1.000	0.00	0.000	NO
226	Total Di-PCBs				1.0027	1.000	0.00	0.000	NO
228	Total Tri-PCBs				1.0007	1.000	0.00	0.000	NO
228	Total Tetra-PCBs				1.0770	1.000	0.00	0.000	NO
228	Total Penta-PCBs				1.0167	1.000	0.00	0.000	NO
230	Total Hexa-PCBs				1.0726	1.000	0.00	0.000	NO
230	Total Hepta-PCBs				0.0000	1.000	0.00	0.000	NO
232	Total Octa-PCBs				1.0916	1.000	0.00	0.000	NO
232	Total Nona-PCBs				1.0000	1.000	0.00	0.000	NO

Peak	Name	Area	Height	Width	Retention	Response	Conc.	%Area	Height
28	PCB-28	27.89	27.89	4.00e6	4.00e6	1.000	1.00	NO	417.53
18	PCB-18	27.89	27.89	4.00e6	4.00e6	1.000	1.00	NO	418.77
20	PCB-20	27.89	27.89	4.00e6	4.00e6	1.000	1.00	NO	417.81
21	PCB-21	28.10	28.10	4.00e6	4.00e6	1.000	1.00	NO	423.78
22	PCB-22	28.31	28.32	4.79e6	4.81e6	1.000	1.04	NO	412.77
23	PCB-23	28.80	28.80	5.49e6	5.57e6	1.000	1.02	NO	420.07
24	PCB-24	28.70	28.70	5.39e6	5.69e6	1.000	1.00	NO	423.80
26	PCB-200100	28.43	28.43	1.47e7	1.48e7	1.000	1.00	NO	1276.0
28	PCB-28	28.87	28.88	6.00e6	4.80e6	1.000	1.00	NO	418.35

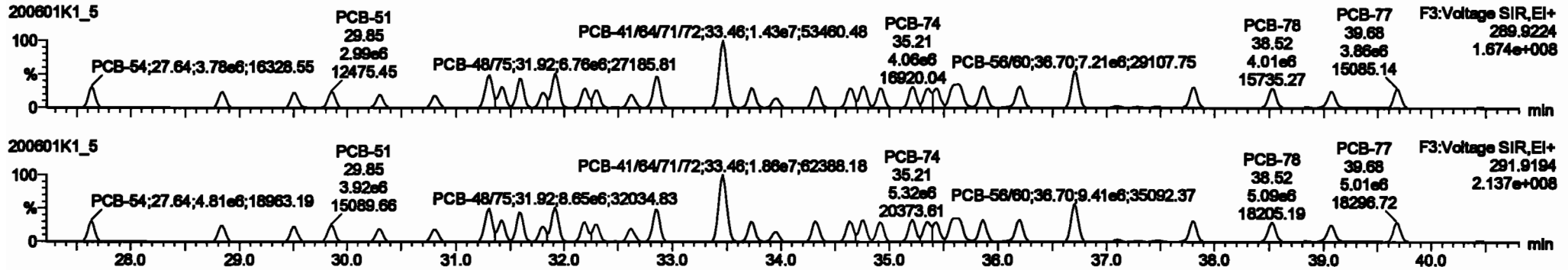


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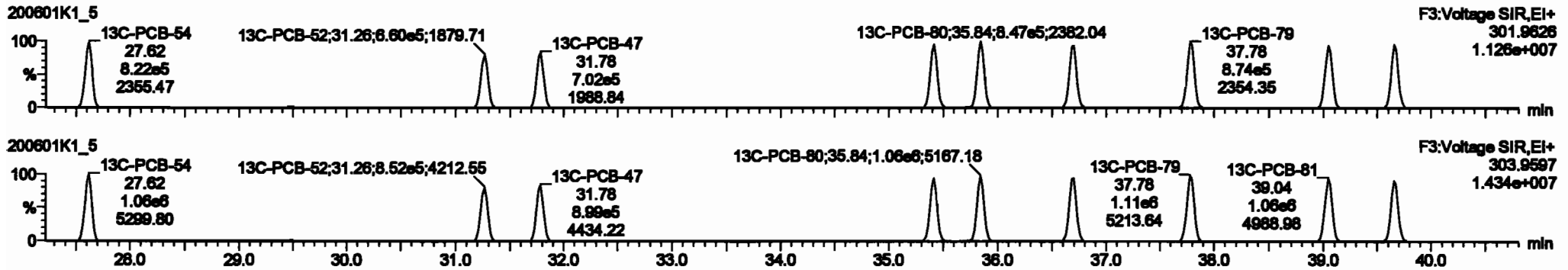
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Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

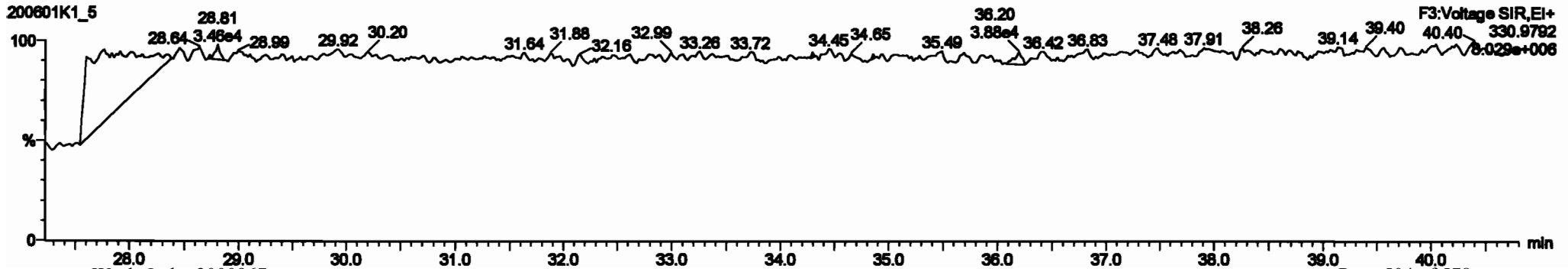
**PCB-54**



**13C-PCB-54**



**PFK3a**





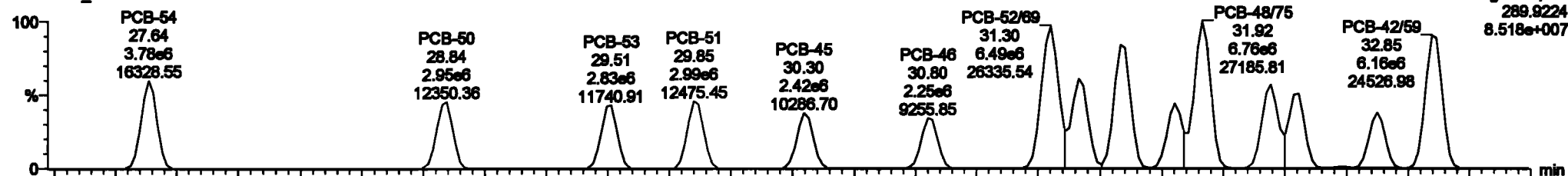
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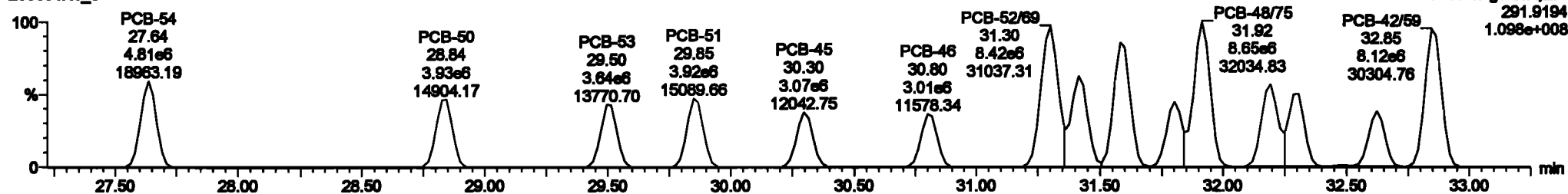
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PCB-50

200601K1\_5



200601K1\_5



13C-PCB-52

200601K1\_5



200601K1\_5

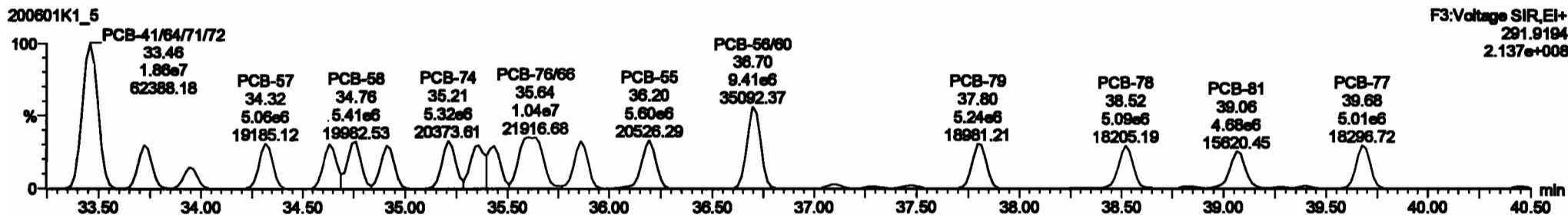
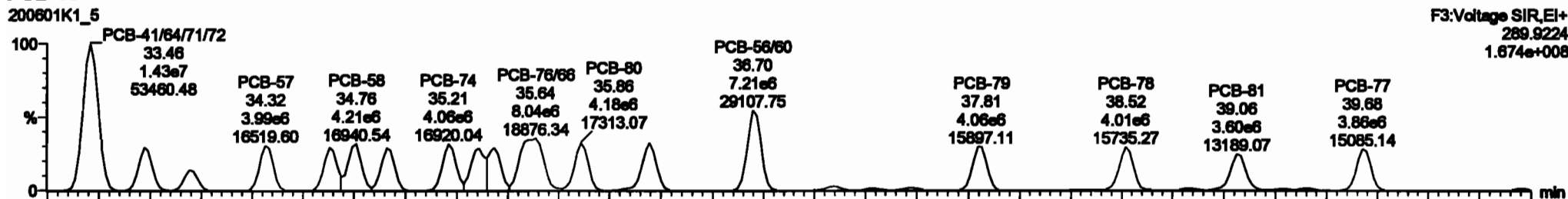


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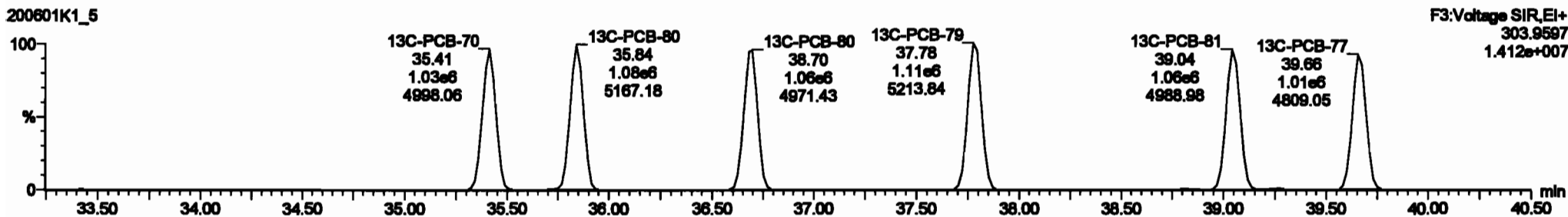
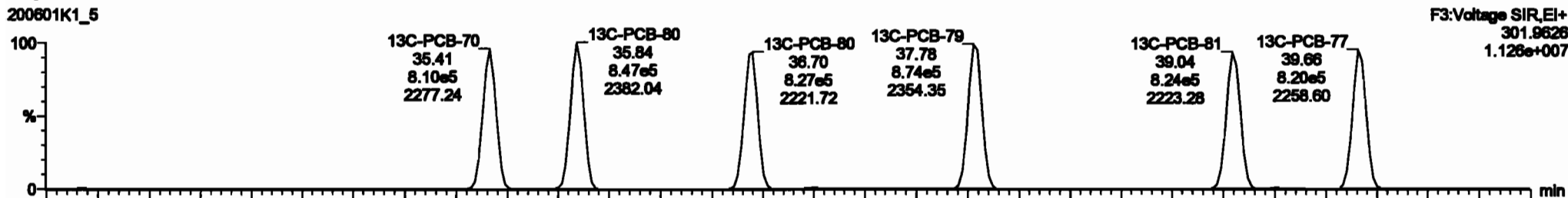
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Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

PCB-68

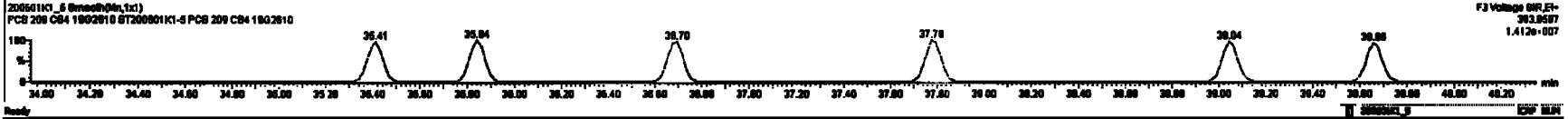
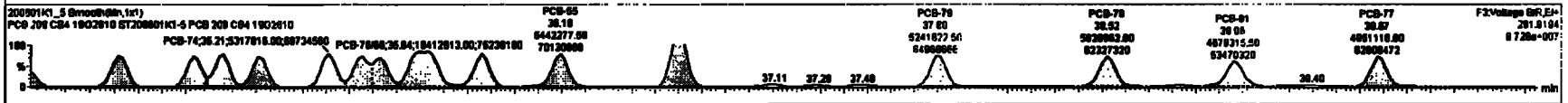
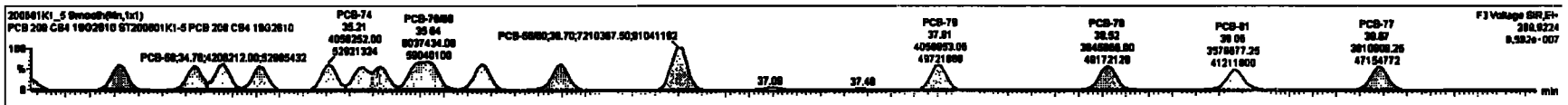


13C-PCB-60



#	Name	Comp	Wt%	Area	Wt%	Area	Wt%	Area	Wt%	Area	Wt%	Area
222	13C-PCB-78	1.98e6	0.78	NO	1.0221	1.020	37.78	37.78	0.000	0.000	NO	87.42
223	13C-PCB-178	7.85e6	0.44	NO	1.0000	1.000	46.87	46.89	0.020	0.020	NO	87.18
224	Total Mono-PCBs				1.0885	1.000	0.00	0.000	0.000	0.000	NO	1280
225	Total Di-PCBs				1.0837	1.000	0.00	0.000	0.000	0.000	NO	9120
226	2nd Function Tri-PCBs				1.0837	1.000	0.00	0.000	0.000	0.000	NO	3487
227	2nd Function Tetra-PCBs				0.8928	1.000	0.00	0.000	0.000	0.000	NO	8774
228	2nd Function Penta-PCBs				1.2179	1.000	0.00	0.000	0.000	0.000	NO	17480
229	4th Function Penta-PCBs				1.0736	1.000	0.00	0.000	0.000	0.000	NO	2128
231	2nd Function Hexa-PCBs				0.8955	1.000	0.00	0.000	0.000	0.000	NO	8976
232	4th Function Hexa-PCBs				1.0919	1.000	0.00	0.000	0.000	0.000	NO	12140
233	Total Hexa-PCBs				1.3091	1.000	0.00	0.000	0.000	0.000	NO	19100

#	Name	PeakID	RT	ret Comp	std Comp	1* Ratio (Peak)	RA	std	SNPC	Comp.
1	PCB-84	27.84	27.84	3.78e6	4.912e6	0.770	0.78	NO	422.48	422.48
2	PCB-82	28.80	28.84	2.88e6	3.887e6	0.770	0.78	NO	418.31	418.30
3	PCB-83	28.80	28.81	2.88e6	3.887e6	0.770	0.78	NO	420.24	420.24
4	PCB-81	28.80	28.85	2.88e6	3.887e6	0.770	0.78	NO	428.80	428.80
5	PCB-85	30.30	30.30	2.01e6	3.87e6	0.770	0.78	NO	433.10	433.10
6	PCB-86	30.30	30.30	2.01e6	3.81e6	0.770	0.78	NO	418.07	418.07
7	PCB-88	31.30	31.30	8.46e6	8.41e6	0.770	0.77	NO	846.12	846.12
8	PCB-79	31.41	31.41	4.05e6	8.39e6	0.770	0.77	NO	431.89	431.89
9	PCB-87	31.50	31.50	5.97e6	7.22e6	0.770	0.77	NO	638.18	638.18

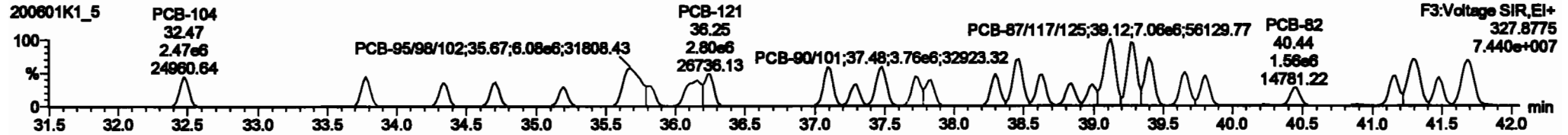
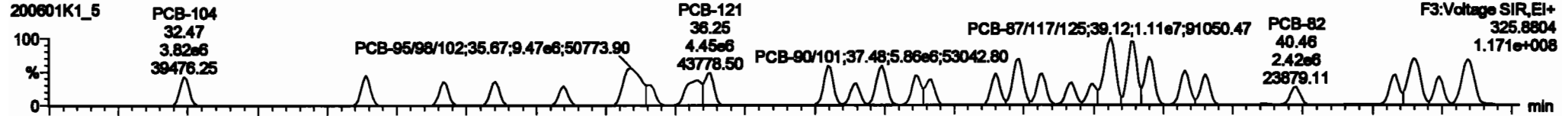


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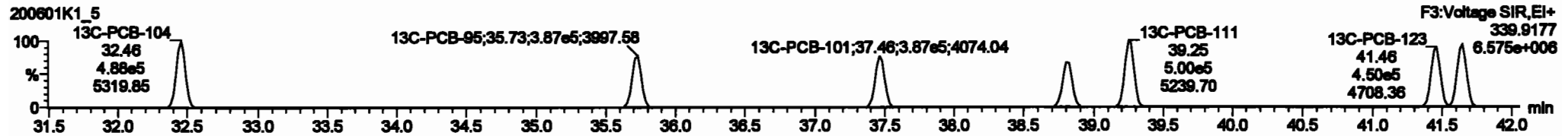
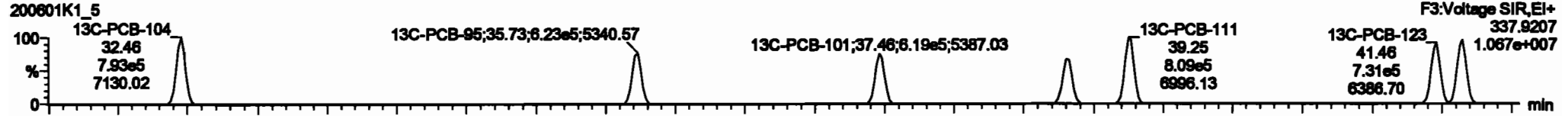
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Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

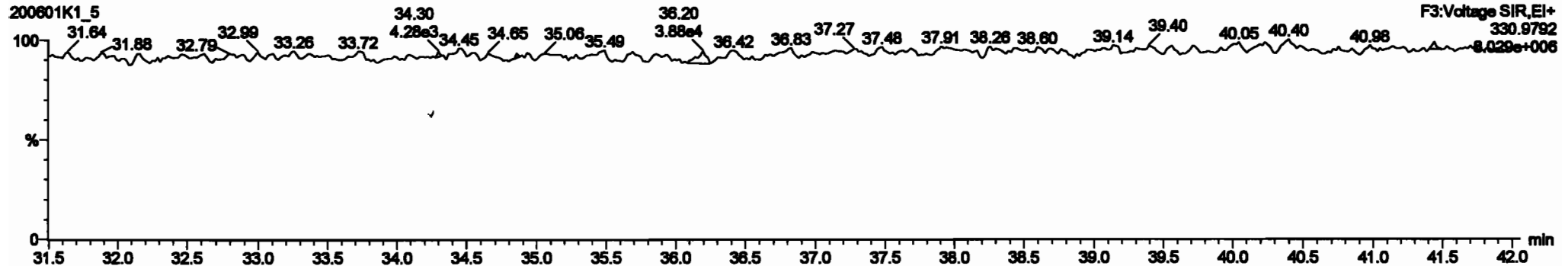
**PCB-104**



**13C-PCB-104**



**PFK3b**

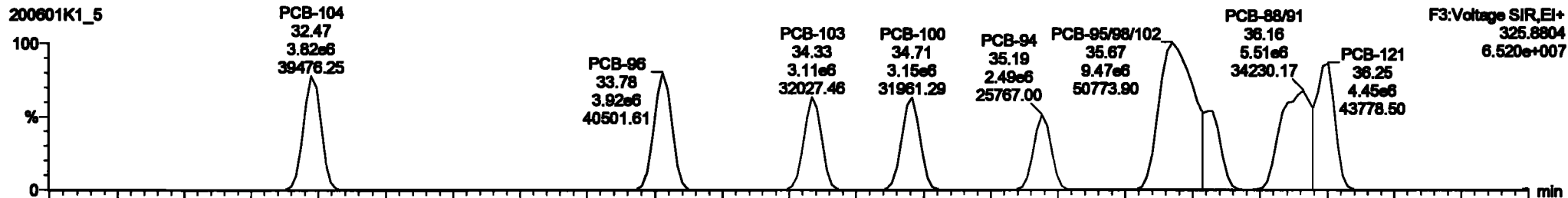


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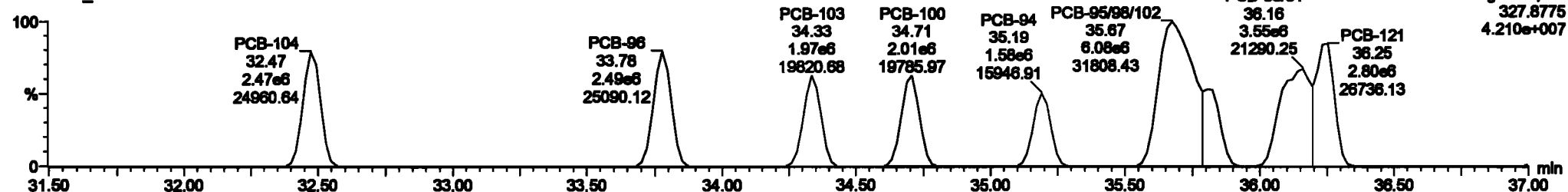
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Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

**PCB-96**



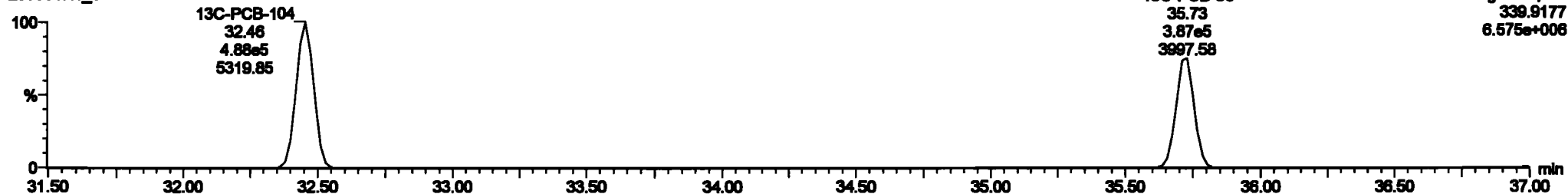
200601K1\_5



**13C-PCB-95**



200601K1\_5



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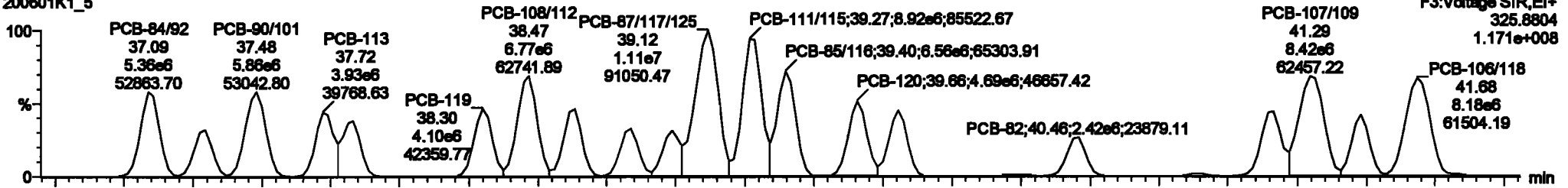
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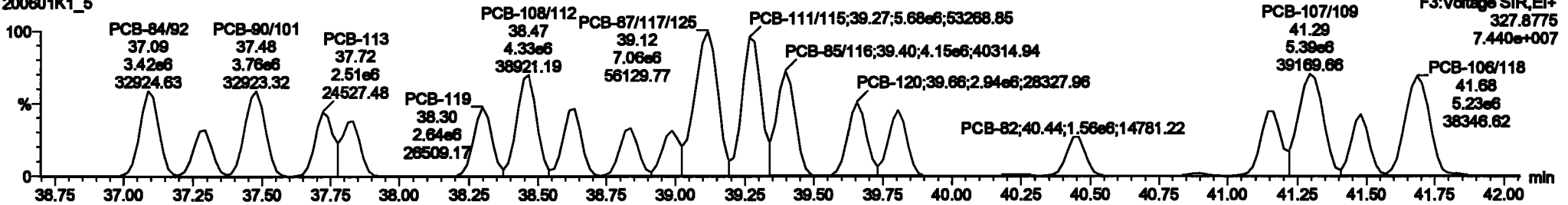
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PCB-119

200601K1\_5

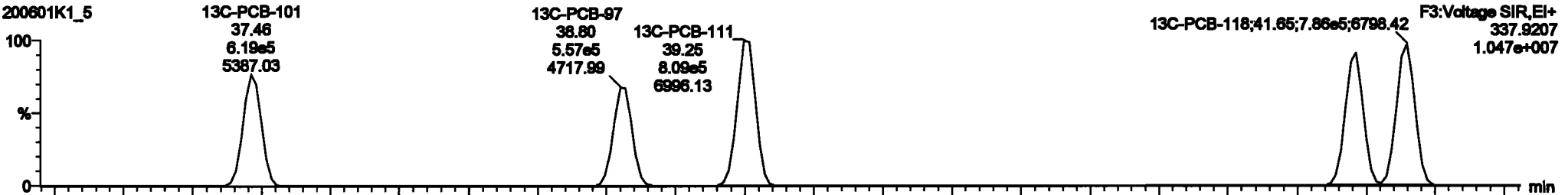


200601K1\_5

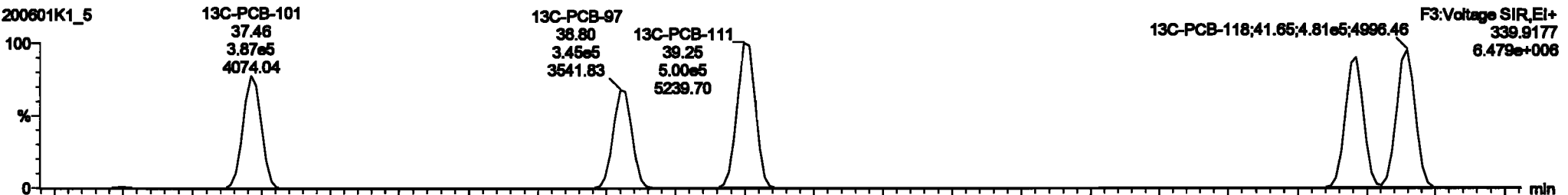


13C-PCB-111

200601K1\_5

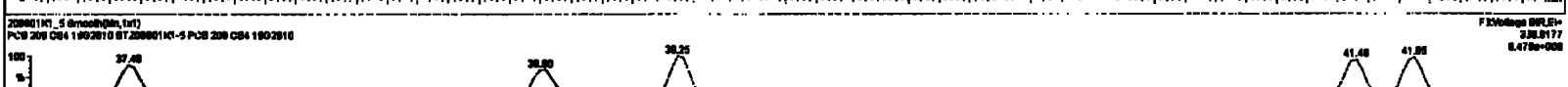
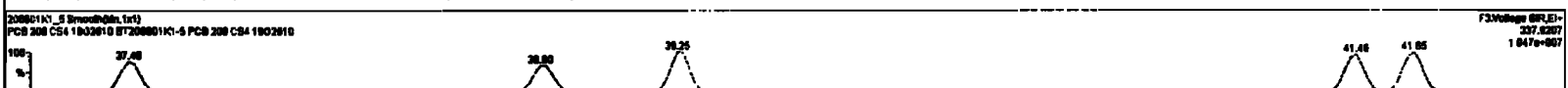
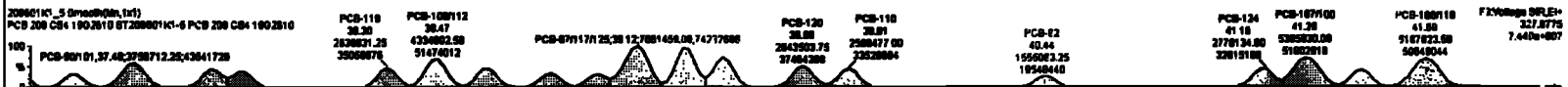
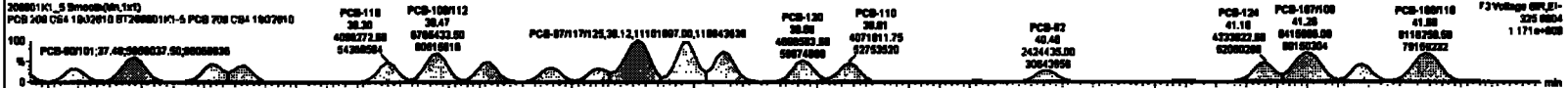


200601K1\_5



#	Channel	Frequency	Amplitude	Phase	Gain	Offset	Scale	Units	dB	dBFS
220	15C-PCB-70	1.000	0.70	80	1.000	1.000	37.70	0.00	0.00	NO
221	15C-PCB-470	7.000	0.64	NO	1.000	1.000	46.07	46.08	0.00	NO
224	Test Micro-PCBs	1.000	1.000	0.00	0.000	0.000	NO	1200	0.000	1200
226	Test DA-PCBs	1.000	1.000	0.00	0.000	0.000	NO	50.00	0.340	50.00
228	Test Precision 1A-PCBs	1.000	1.000	0.00	0.000	0.000	NO	3000	0.110	3000
229	Test Precision 1A-PCBs	0.000	1.000	0.00	0.000	0.000	NO	6774	0.000	6774
230	Test Tolu-PCBs	1.000	1.000	0.00	0.000	0.000	NO	17000	1.77	17000
231	Test Precision Pumps-PCBs	1.000	1.000	0.00	0.000	0.000	NO	21.00	0.300	21.00
232	Test Precision Pumps-PCBs	0.000	1.000	0.00	0.000	0.000	NO	6070	0.400	6070
233	Test Precision Pumps-PCBs	1.000	1.000	0.00	0.000	0.000	NO	121.00	2.07	121.00
234	Test Precision Pumps-PCBs	1.000	1.000	0.00	0.000	0.000	NO	9700	4.00	9700

#	Channel	Frequency	Amplitude	Phase	Gain	Offset	Scale	Units	dB	dBFS
0	PCB-110	30.47	32.07	2.000	1.000	1.00	NO	437.50	437.50	
1	PCB-110	30.70	30.70	2.000	1.000	1.00	NO	430.70	430.70	
2	PCB-110	31.20	31.20	3.100	1.000	1.00	NO	420.00	420.00	
3	PCB-110	31.00	31.71	3.100	1.000	1.00	NO	420.00	420.00	
4	PCB-110	30.31	30.10	2.000	1.000	1.00	NO	424.07	424.07	
5	PCB-110	30.00	30.07	0.000	1.000	1.00	NO	1277.0	1277.0	
6	PCB-110	30.01	30.02	2.000	1.000	1.00	NO	041.00	041.00	
7	PCB-110	30.10	30.10	0.000	1.000	1.00	NO	041.00	041.00	
8	PCB-110	30.20	30.20	4.000	1.000	1.00	NO	010.70	010.70	

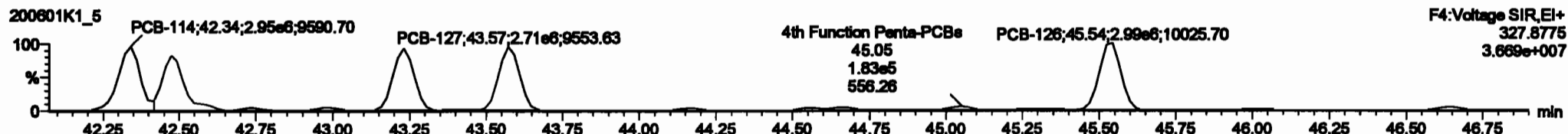
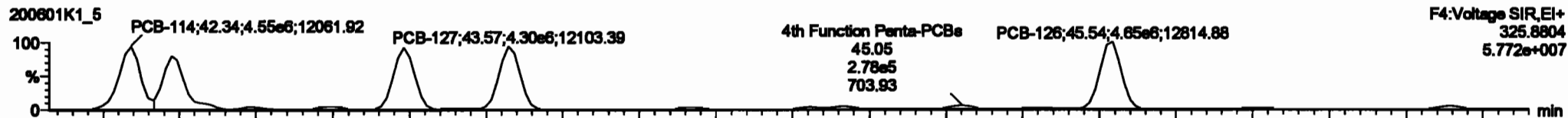


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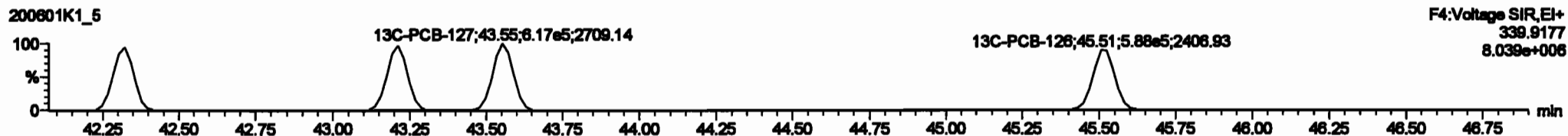
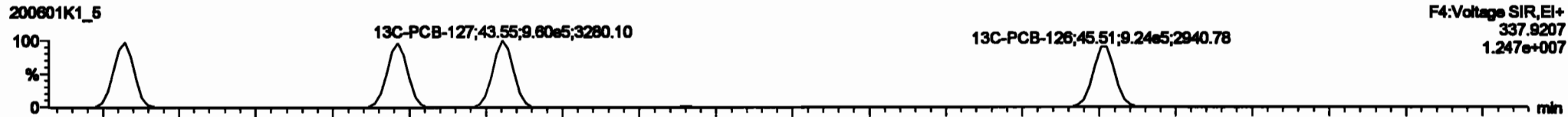
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Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

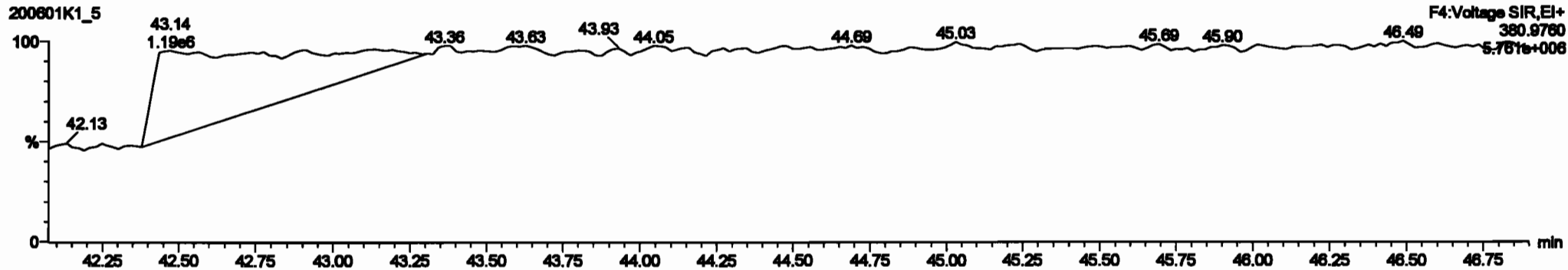
**PCB-114**



**13C-PCB-114**



**PFK4a**







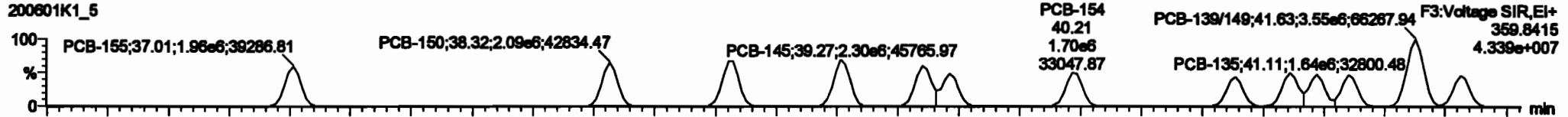
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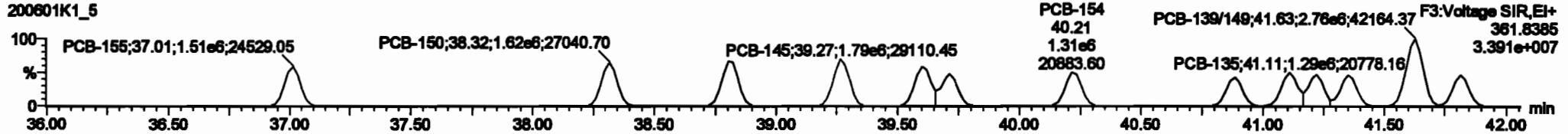
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**PCB-155**

200601K1\_5

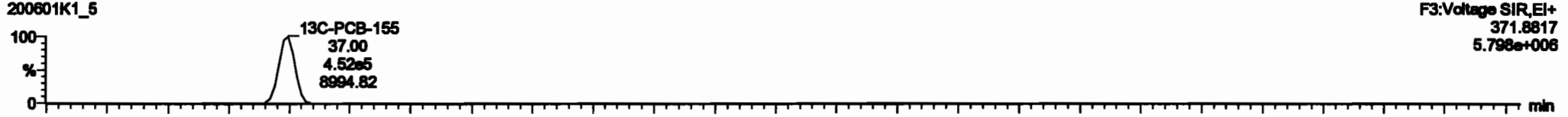


200601K1\_5

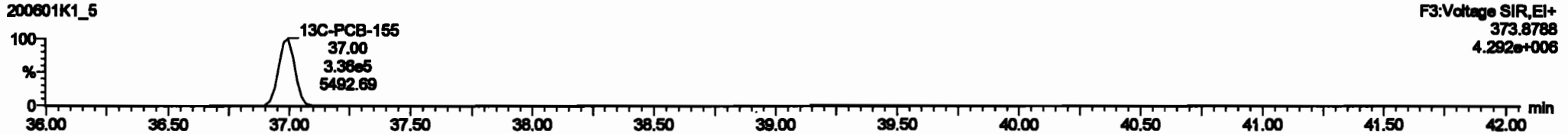


**13C-PCB-155**

200601K1\_5

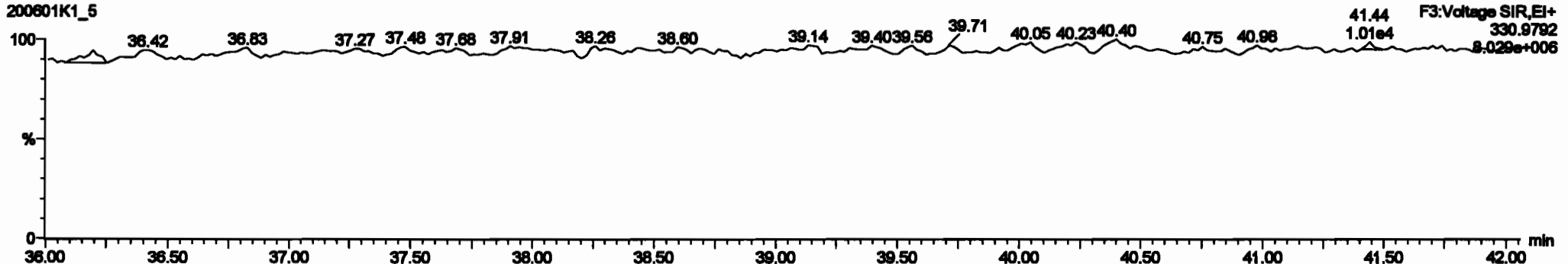


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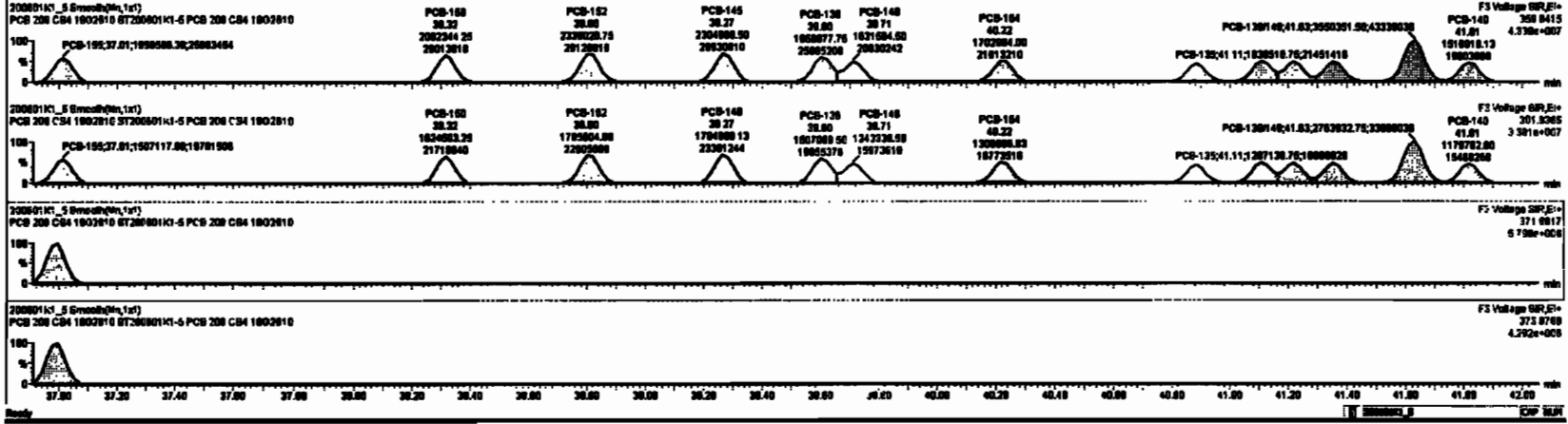
**PFK3c**

200601K1\_5



ID	Step	Step	RM	RM	OFF	Calcd	Revised	RE	Pres.R.	Unit	RMF Pts	Chgs	Unit	EA	RMPC
222	12C-PCB-178	1.80e6	0.78	NO	1.0001	1.000	37.78	37.78	0.000	0.000	NO	87.43	87.4	0.0073	
223	12C-PCB-178	7.80e6	0.64	NO	1.0000	1.000	48.87	48.88	0.023	0.023	NO	87.18	87.2	0.112	
224	Total Micro-PCBs				1.0000	1.000	0.00	0.000			NO	1200	0.0201	1200	
225	Total 0-PCBs				1.0000	1.000	0.00	0.000			NO	8130	0.240	8130	
226	2nd Paraffin 10-PCBs				1.0000	1.000	0.00	0.000			NO	3407	0.110	3407	
227	2nd Paraffin 10-PCBs				0.8620	1.000	0.00	0.000			NO	8774	0.083	8774	
228	Total Tube-PCBs				1.0776	1.000	0.00	0.000			NO	17000	1.37	17000	
229	2nd Paraffin Penta-PCBs				1.2187	1.000	0.00	0.000			NO	17000	0.804	17000	
230	4th Paraffin Penta-PCBs				1.0735	1.000	0.00	0.000			NO	2128	0.260	2128	
231	4th Paraffin Hexa-PCBs				1.0000	1.000	0.00	0.000			NO	8774	0.083	8774	
232	4th Paraffin Hexa-PCBs				1.0719	1.000	0.00	0.000			NO	12140	2.87	12140	
233	Total Hexa-PCBs				1.2009	1.000	0.00	0.000			NO	10061	4.68	10061	

ID	Step	Step	RM	RM	OFF	Calcd	Revised	RE	Pres.R.	Unit	RMF Pts	Chgs	Unit	EA	RMPC
80	PCB-100	37.80	37.81	1.80e6	1.80e6	1.200	1.20	NO	421.45	421.45					
81	PCB-100	38.30	38.30	2.00e6	1.82e6	1.200	1.20	NO	438.81	438.81					
82	PCB-102	38.80	38.80	2.20e6	1.78e6	1.200	1.21	NO	441.48	441.48					
83	PCB-140	38.30	38.27	2.20e6	1.78e6	1.200	1.20	NO	438.81	438.81					
84	PCB-138	38.80	38.80	1.80e6	1.80e6	1.200	1.20	NO	431.80	431.80					
85	PCB-148	38.72	38.71	1.80e6	1.24e6	1.200	1.24	NO	438.78	438.78					
86	PCB-104	40.20	40.20	1.20e6	1.20e6	1.200	1.20	NO	418.80	418.80					
87	PCB-101	40.80	40.80	1.40e6	1.50e6	1.200	1.21	NO	418.30	418.30					
88	PCB-138	41.13	41.11	1.80e6	1.20e6	1.200	1.27	NO	480.82	480.82					

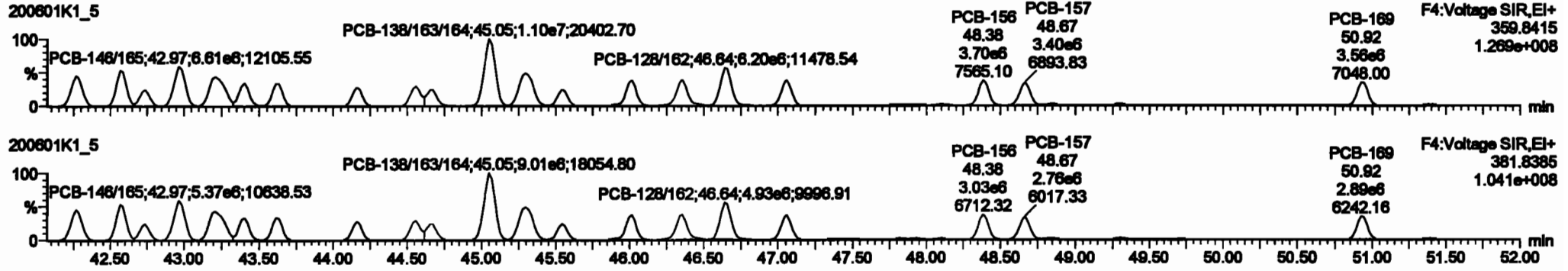


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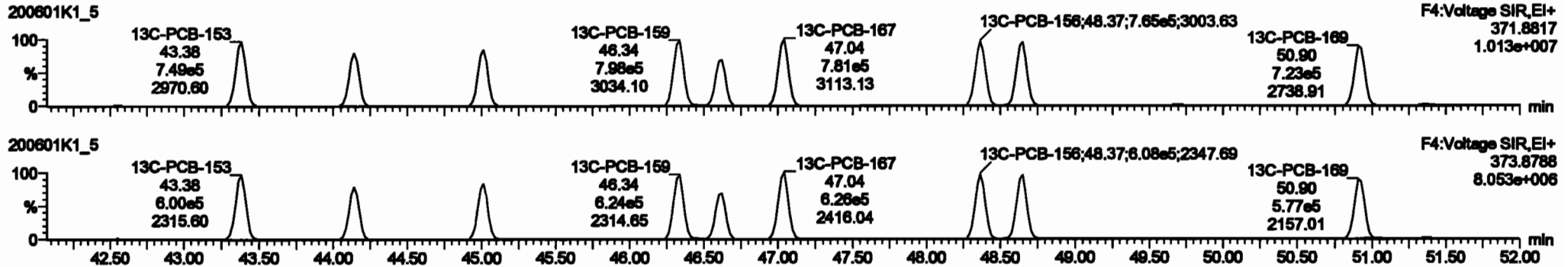
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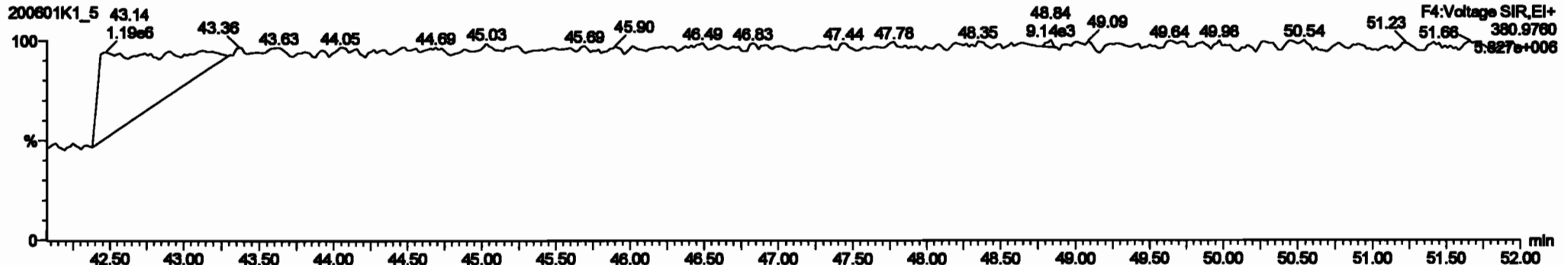
PCB-134/143



13C-PCB-153

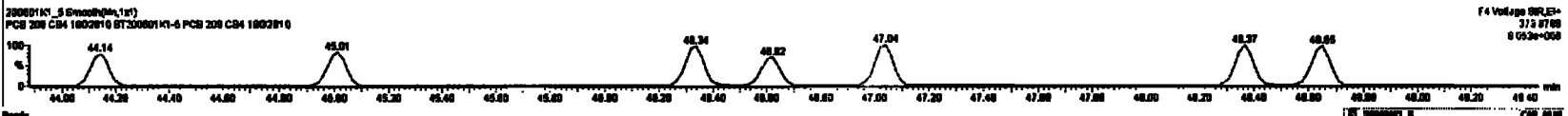
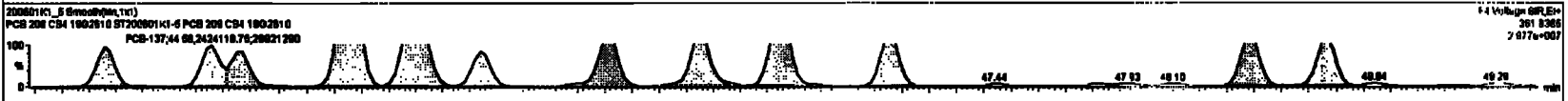
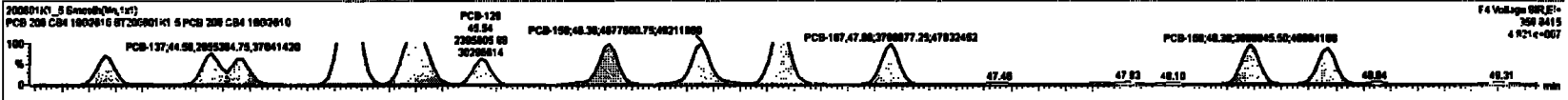


PFK4b



#	Flow	Temp	PA	dry	WV	total	Percent	WV	total	WV	total	WV	total	WV	total	WV	total	WV	total
222	13C-PCB-78	1.80e6	0.78	ND	1.80e6	1.80e6	37.76	37.76	0.00e0	0.00e0	ND	07.40	07.4	0.51e2					
223	13C-PCB-79	7.90e6	0.44	ND	1.00e6	1.00e6	48.07	48.08	0.00e0	0.00e0	ND	07.10	07.2	0.51e2					
224	Total Mono-PCBs				1.80e6	1.80e6	0.00	0.00	0.00e0	0.00e0	ND	12.50	0.00e1	1.20e0					
225	Total Di-PCBs				1.00e6	1.00e6	0.00	0.00	0.00e0	0.00e0	ND	01.20	0.20e0	0.20					
226	2nd Function Tri-PCBs				1.00e6	1.00e6	0.00	0.00	0.00e0	0.00e0	ND	24.07	0.11e0	24.07					
227	3rd Function Tri-PCBs				0.00e0	1.00e6	0.00	0.00	0.00e0	0.00e0	ND	07.74	0.00e0	07.74					
228	Total Tetra-PCBs				1.077e6	1.00e6	0.00	0.00	0.00e0	0.00e0	ND	17.00	1.77	17.00					
229	2nd Function Penta-PCBs				1.21e7	1.00e6	0.00	0.00	0.00e0	0.00e0	ND	17.00	0.00e1	17.00					
230	4th Function Penta-PCBs				1.07e6	1.00e6	0.00	0.00	0.00e0	0.00e0	ND	21.20	0.20	21.20					
231	2nd Function Hexa-PCBs				0.00e0	1.00e6	0.00	0.00	0.00e0	0.00e0	ND	00.76	0.00	00.76					
232	Total Hexa-PCBs				0.00e0	1.00e6	0.00	0.00	0.00e0	0.00e0	ND	00.76	0.00	00.76					
233	2008 Total Hexa-PCBs				0.00e0	1.00e6	0.00	0.00	0.00e0	0.00e0	ND	00.76	0.00	00.76					

#	Flow	Temp	PA	dry	WV	total	Percent	WV	total	WV	total	WV	total	WV	total	WV	total	WV	total
111	PCB-137A40	42.30	42.30	0.01e6	4.00e6	1.20	1.20	ND	000.01	000.01									
112	PCB-137A20	42.80	42.87	0.50e6	4.30e6	1.20	1.20	ND	001.00	001.00									
113	PCB-142	42.74	42.74	2.20e6	1.01e6	1.20	1.20	ND	438.01	438.01									
114	PCB-149108	42.80	42.87	0.00e6	0.00e6	1.20	1.20	ND	073.00	073.00									
115	PCB-120101	43.27	43.21	0.07e6	0.20e6	1.20	1.20	ND	001.20	001.20									
116	PCB-100	43.00	43.00	2.47e6	2.70e6	1.20	1.20	ND	427.00	427.00									
117	PCB-100	43.00	43.00	0.00e6	0.00e6	1.20	1.20	ND	426.70	426.70									
118	PCB-141	44.10	44.10	2.74e6	2.10e6	1.20	1.20	ND	428.00	428.00									
119	PCB-137	44.00	44.00	3.00e6	2.42e6	1.20	1.20	ND	431.00	431.00									



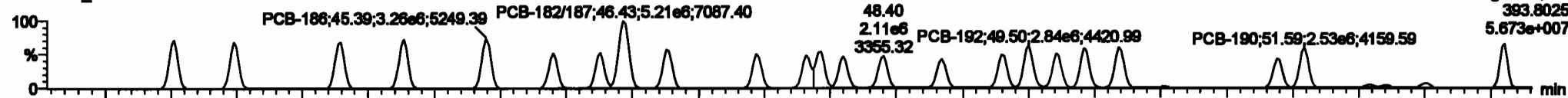
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

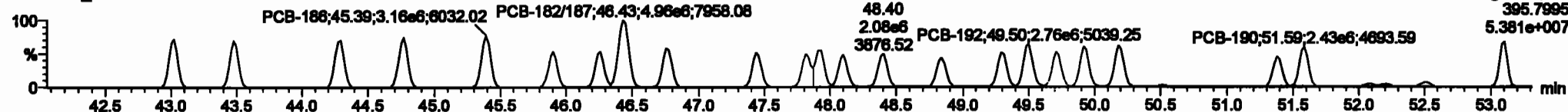
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**PCB-188**

200601K1\_5

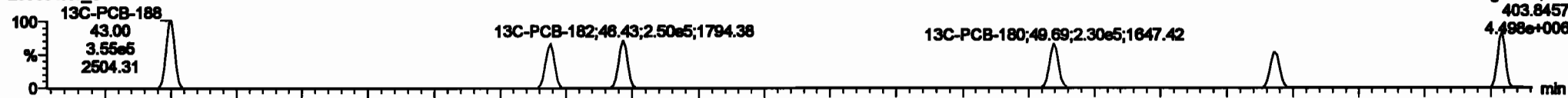


200601K1\_5

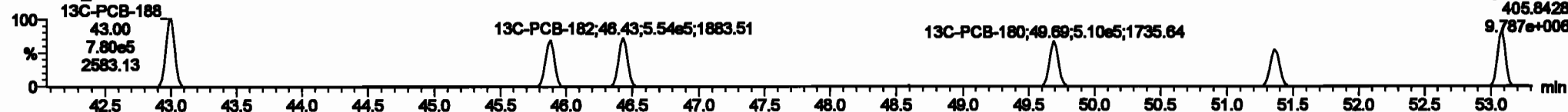


**13C-PCB-188**

200601K1\_5

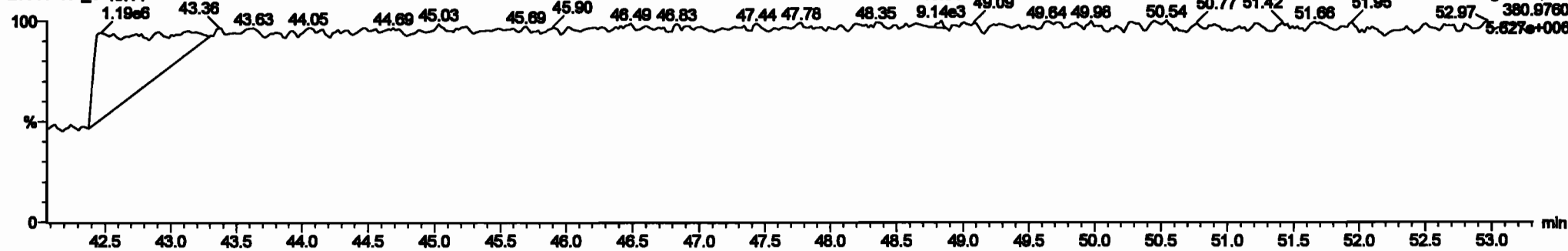


200601K1\_5



**PFK4c**

200601K1\_5



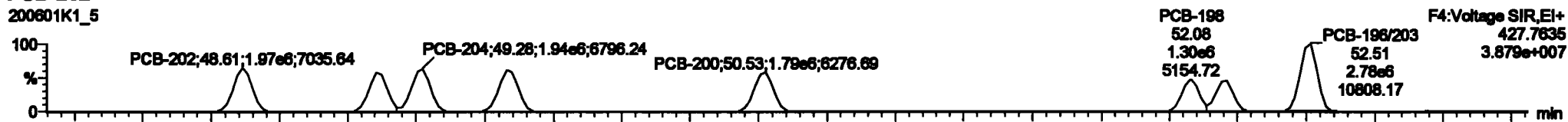
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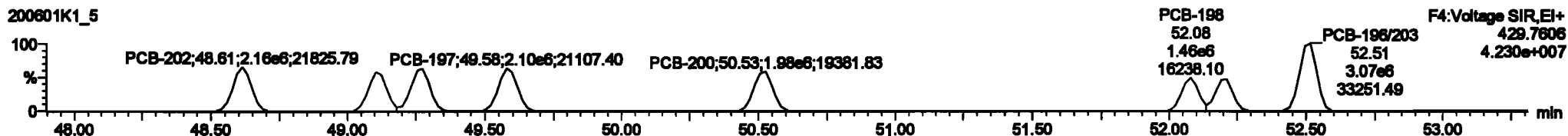
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**PCB-202**

200601K1\_5

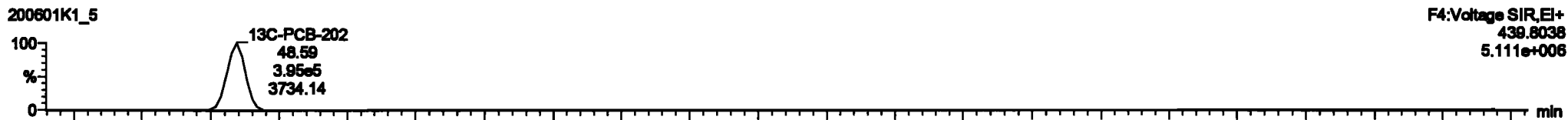


200601K1\_5

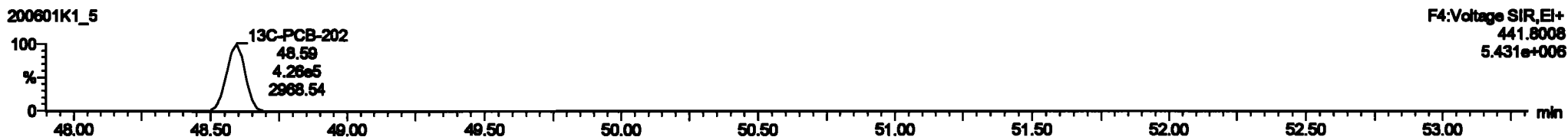


**13C-PCB-202**

200601K1\_5

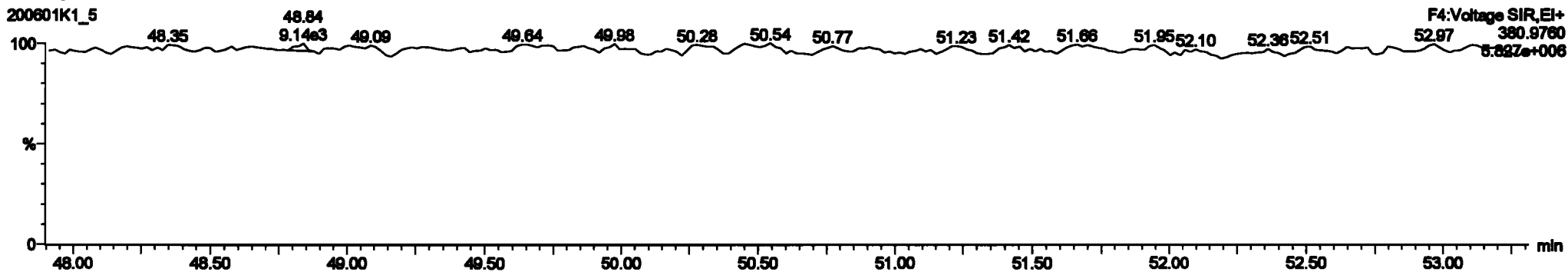


200601K1\_5



**PFK4d**

200601K1\_5



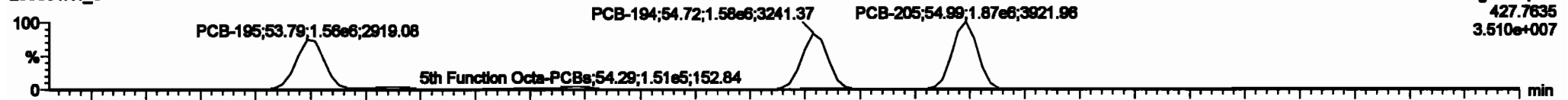
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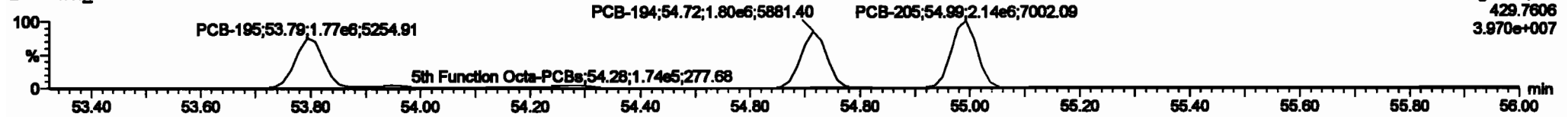
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**PCB-195**

200601K1\_5

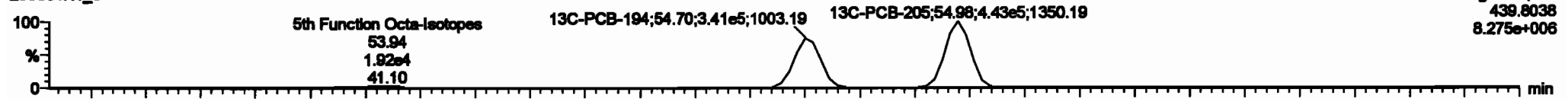


200601K1\_5

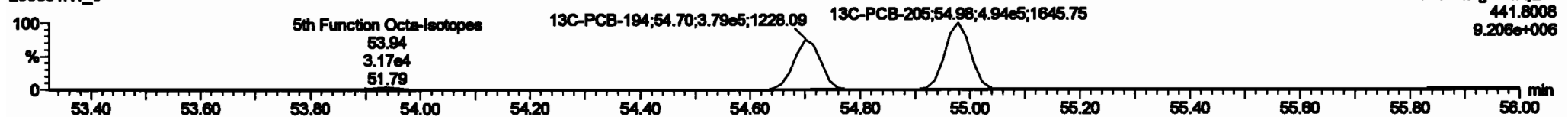


**13C-PCB-194**

200601K1\_5

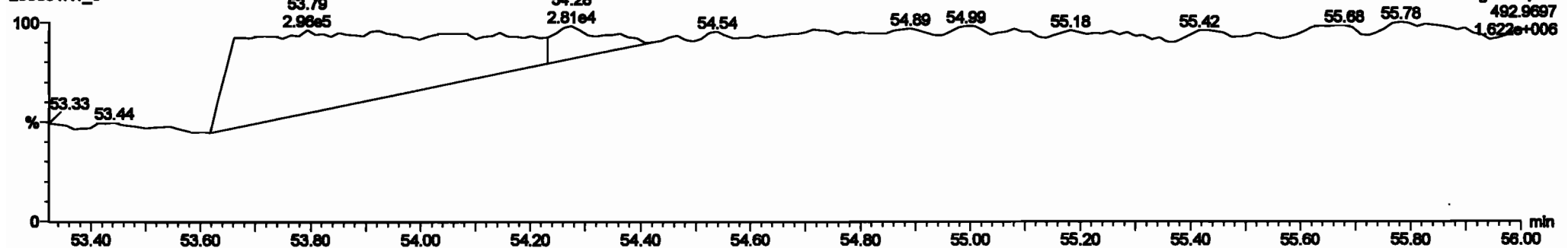


200601K1\_5



**PFK5a**

200601K1\_5





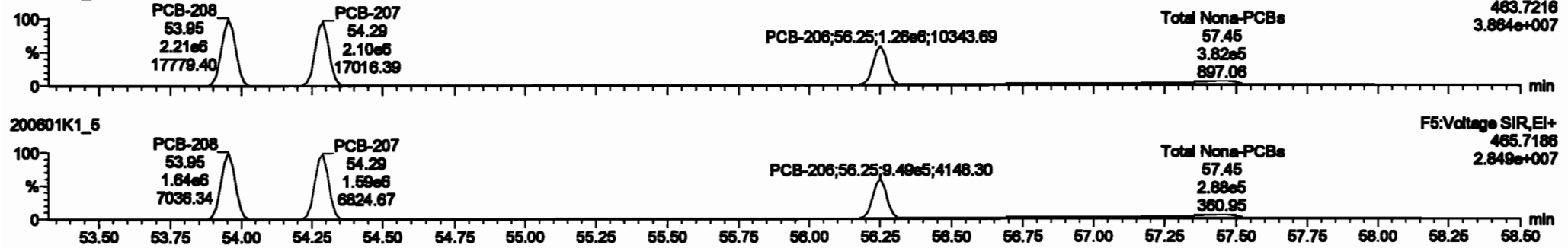
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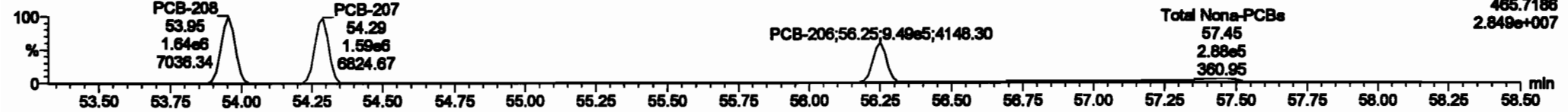
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**PCB-208**

200601K1\_5

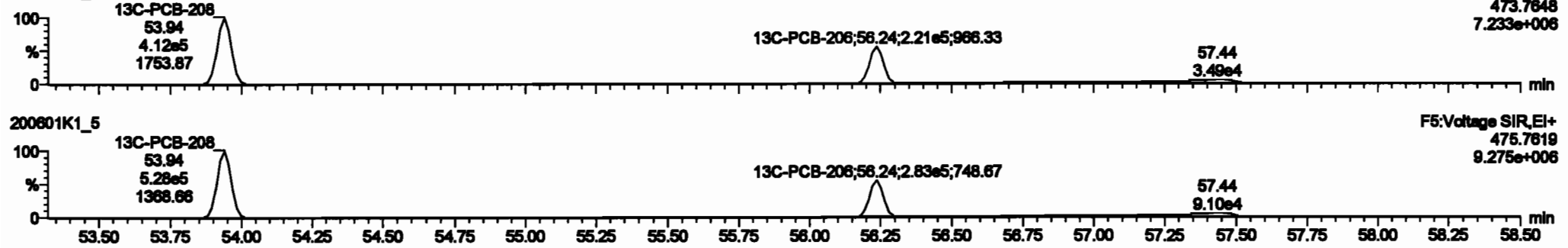


200601K1\_5

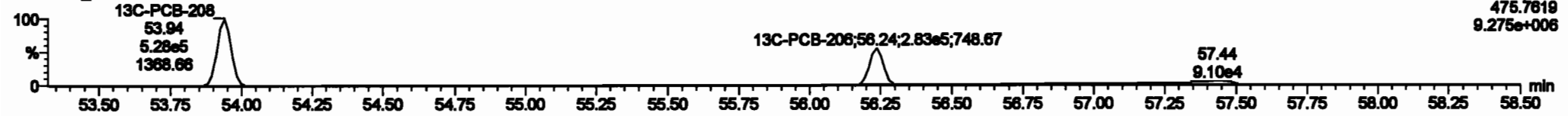


**13C-PCB-208**

200601K1\_5

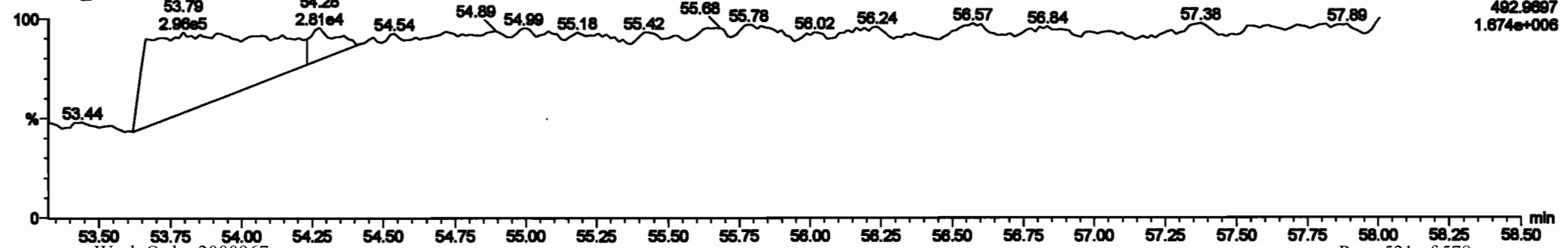


200601K1\_5



**PFK5**

200601K1\_5



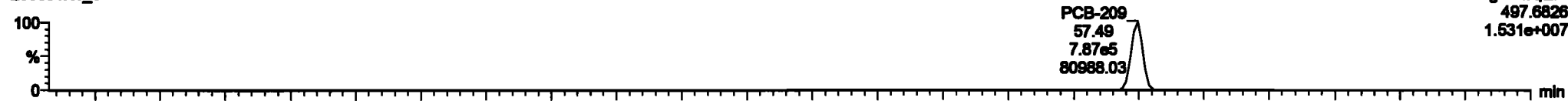
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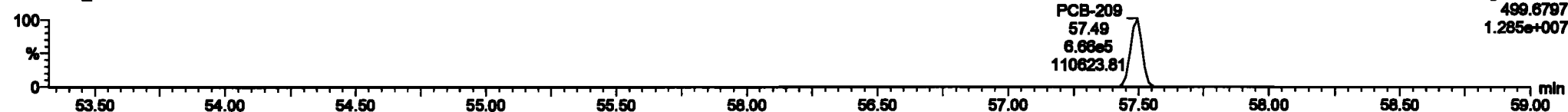
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**PCB-209**

200601K1\_5

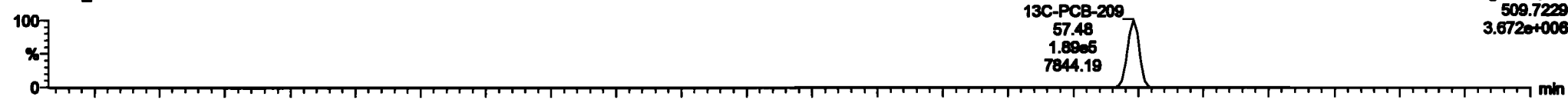


200601K1\_5

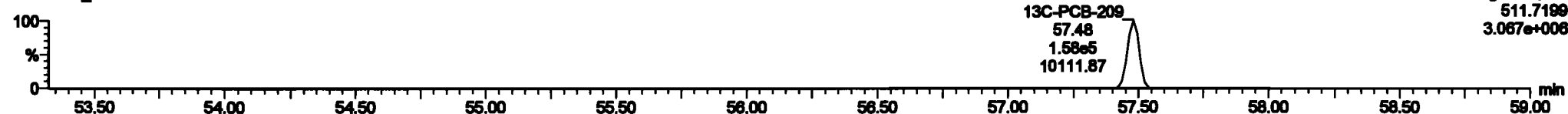


**13C-PCB-209**

200601K1\_5

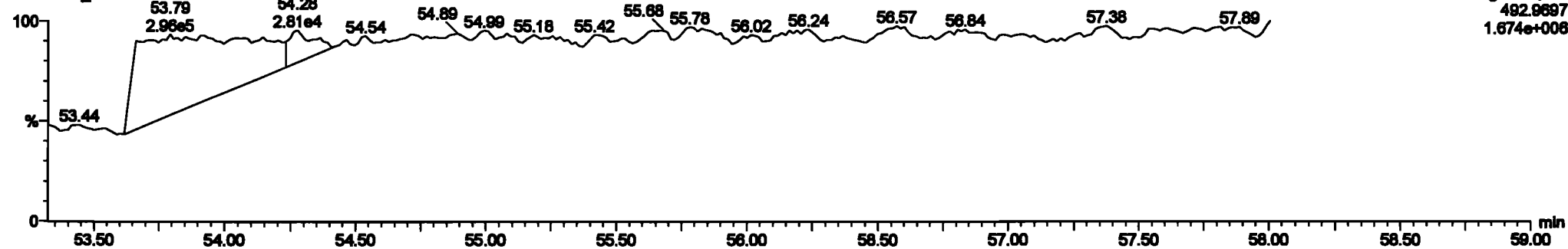


200601K1\_5



**PFK5b**

200601K1\_5



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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

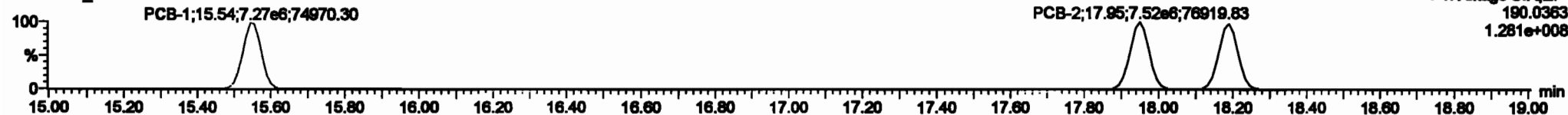
**PCB-1**

200601K1\_6



F1:Voltage SIR,EI+  
188.0393  
3.981e+008

200601K1\_6



F1:Voltage SIR,EI+  
190.0363  
1.281e+008

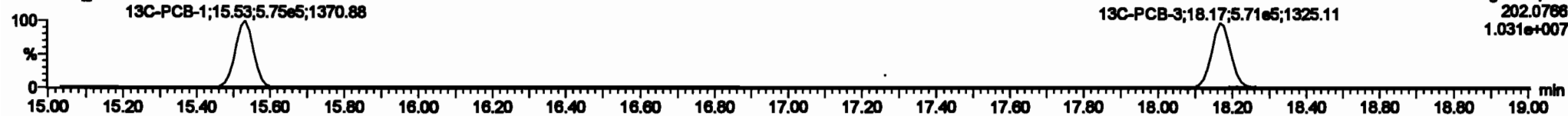
**13C-PCB-1**

200601K1\_6



F1:Voltage SIR,EI+  
200.0795  
3.254e+007

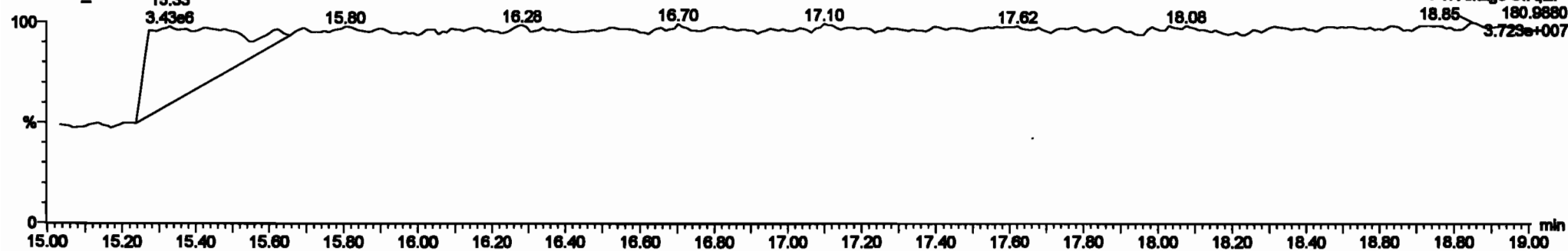
200601K1\_6



F1:Voltage SIR,EI+  
202.0768  
1.031e+007

**PFK1**

200601K1\_6



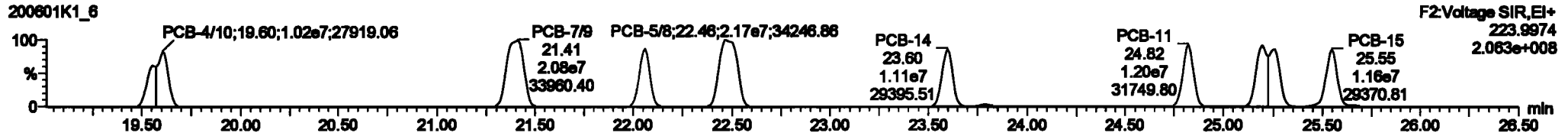
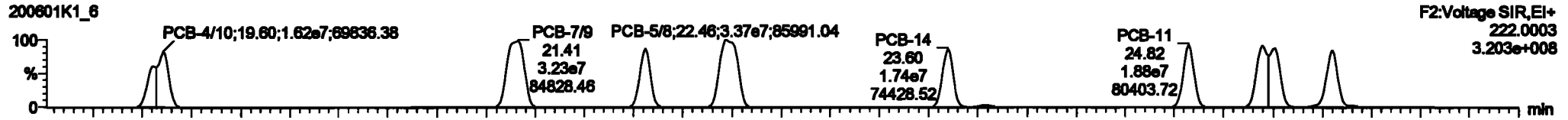
F1:Voltage SIR,EI+  
180.9880  
3.723e+007

Dataset: Untitled

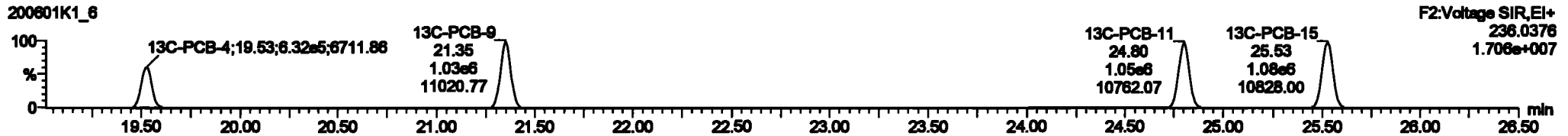
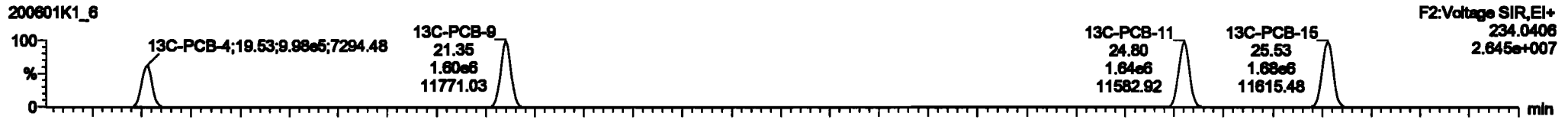
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2811, Description: PCB 209 CS5 19G2811

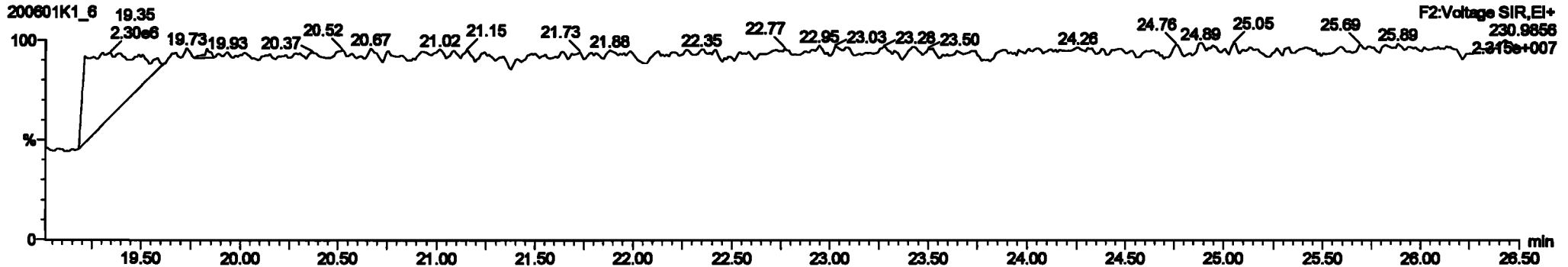
PCB-4/10



13C-PCB-4

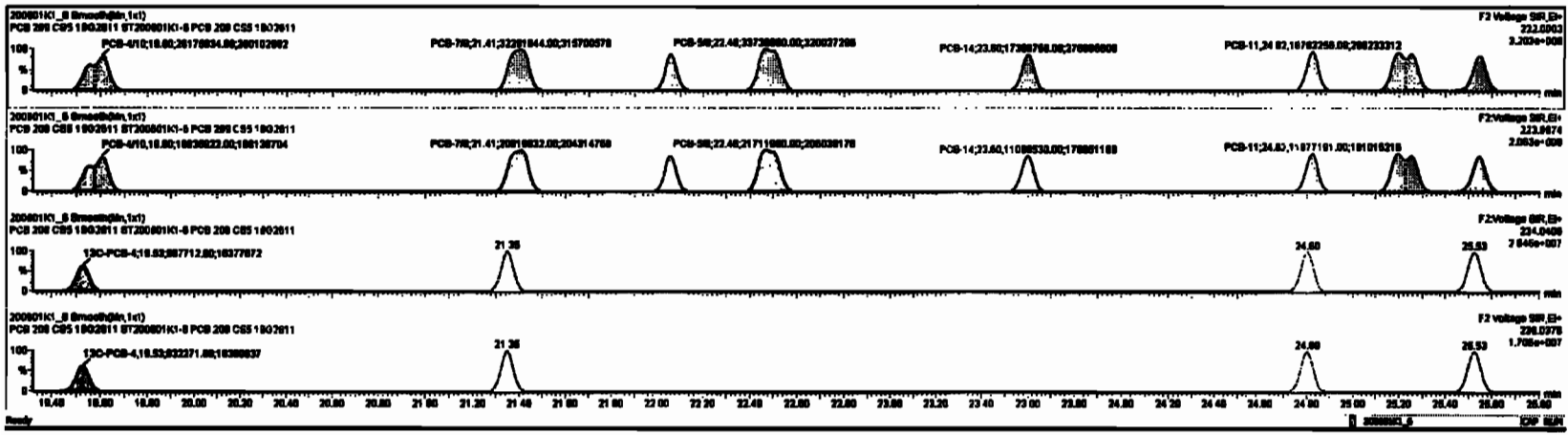


PFK2a



#	Name	Comp	BS	Qty	Unit	Volts	PreDist	RT	PostDist	RT	PreDist	RT	PostDist	Comp	Volts	BS	Unit
220	12C-PCB-205	1.05e6	0.92	NO	1.0000	1.000	84.86	84.86	1.000	0.000	NO	100.0	100	0.120			
221	12C-PCB-79	2.05e6	0.79	NO	1.0000	1.000	37.76	37.76	1.000	1.000	NO	107.0	100	0.0000			
222	12C-PCB-478	7.70e6	0.48	NO	0.7000	1.000	48.00	48.00	0.000	0.000	NO	88.00	88.1	0.100			
223	12C-PCB-78	3.05e6	0.78	NO	1.0000	1.000	37.76	37.76	0.000	0.000	NO	88.00	88.0	0.0000			
224	12C-PCB-478	7.70e6	0.48	NO	1.0000	1.000	48.00	48.00	0.000	0.000	NO	84.00	84.4	0.0000			
224	Total Noise-PCBs				1.0000	1.000	0.00	0.000			NO	3000		0.0000			
225	2nd Parallel TN-PCBs				1.0000	1.000	0.00	0.000			NO	6204		0.120			
227	3rd Parallel TN-PCBs				0.8000	1.000	0.00	0.000			NO	18910		0.000			
228	Total Value-PCBs				1.0000	1.000	0.00	0.000			NO	43000		2.30			
228	3rd Parallel Parallel-PCBs				1.3100	1.000	0.00	0.000			NO	43000		3.00			
228	3rd Parallel Parallel-PCBs				1.0000	1.000	0.00	0.000			NO	6000		0.000			

#	Name	PreDist	RT	Volts	Unit	PreDist	RT	Volts	Unit
0	PCB-488	18.81	18.80	2.810e7	1.880e7	1.880	1.88	NO	2114.3
8	PCB-788	21.41	21.41	3.280e7	3.280e7	1.880	1.88	NO	2108.4
8	PCB-8	22.08	22.08	1.710e7	1.710e7	1.880	1.88	NO	1048.8
8	PCB-88	22.48	22.48	3.370e7	3.370e7	1.880	1.88	NO	2120.8
8	PCB-44	23.81	23.80	1.320e7	1.320e7	1.880	1.87	NO	1881.1
8	PCB-11	24.80	24.80	1.880e7	1.880e7	1.880	1.87	NO	1818.7
8	PCB-1588	25.38	25.38	3.280e7	3.280e7	1.880	1.88	NO	2088.8
8	PCB-18	25.87	25.86	1.770e7	1.770e7	1.880	1.88	NO	1048.8

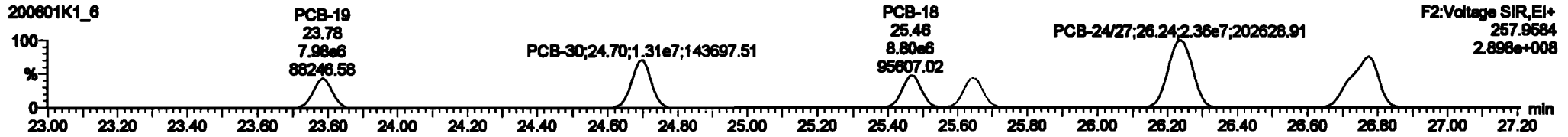
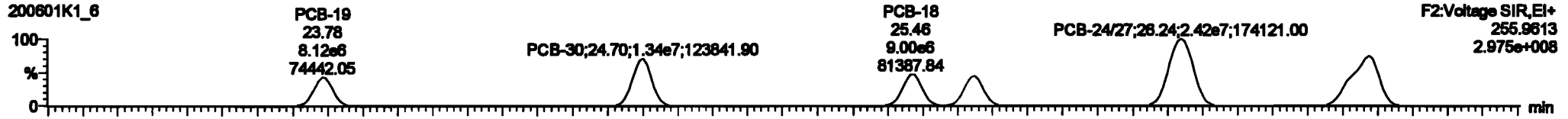


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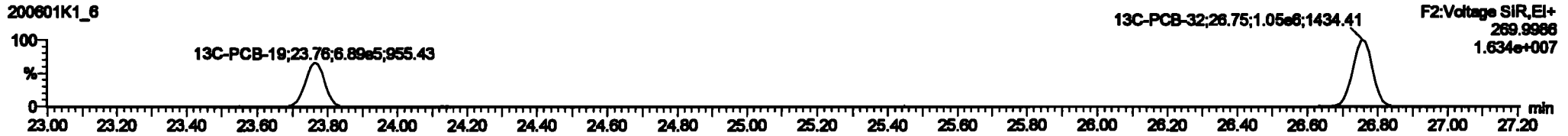
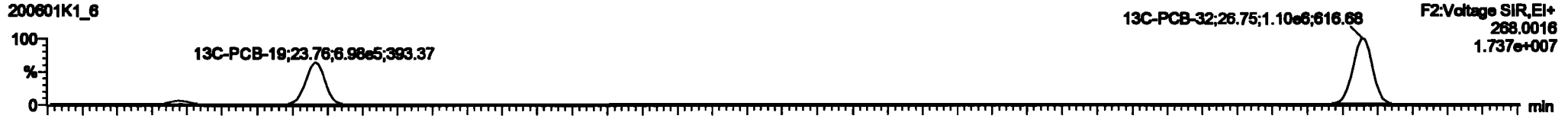
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

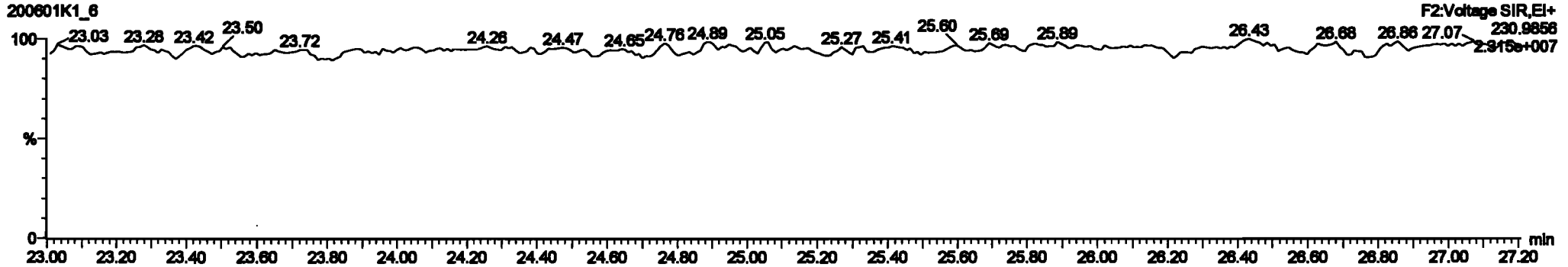
**PCB-19**



**13C-PCB-19**



**PFK2b**

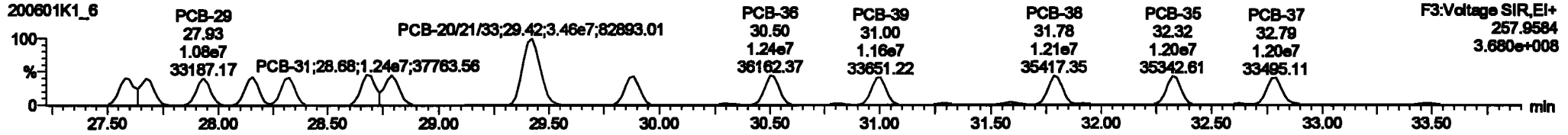
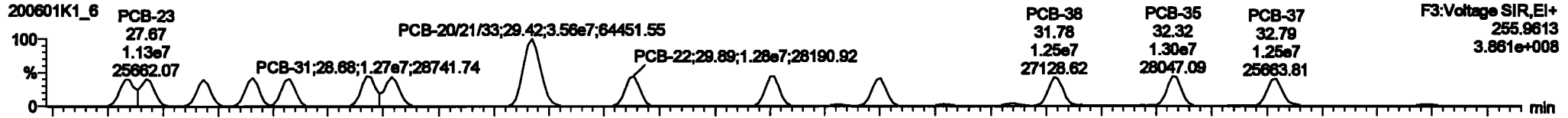


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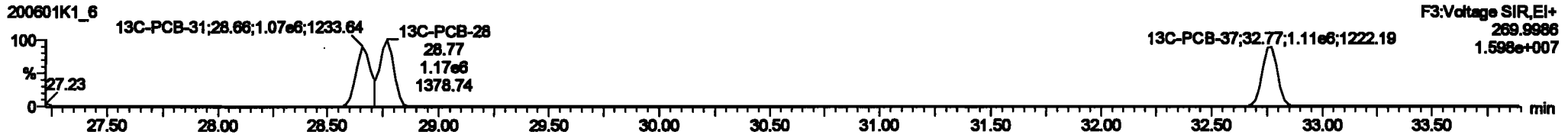
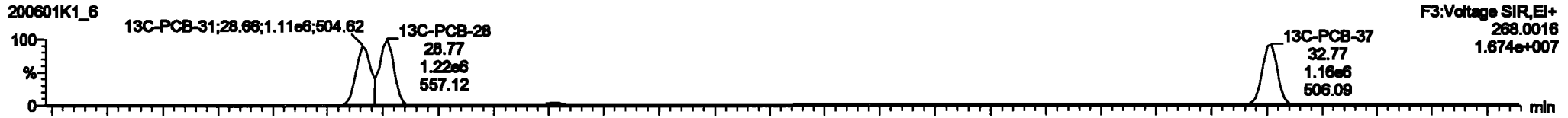
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

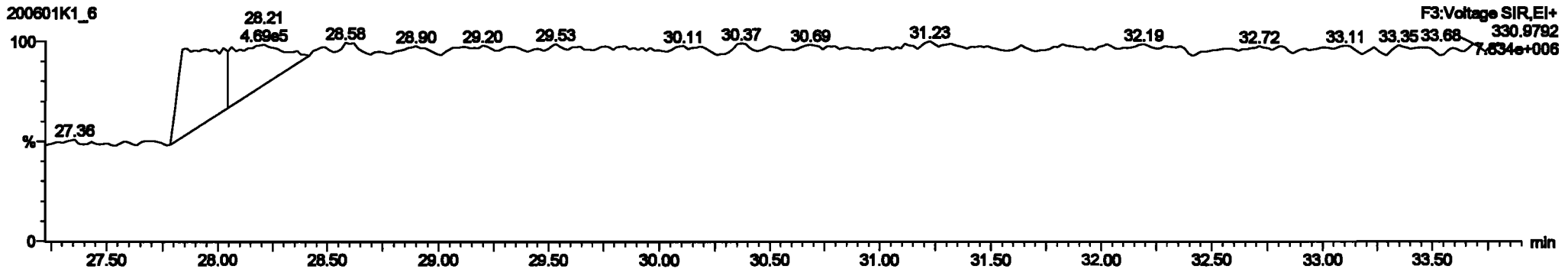
**PCB-34**



**13C-PCB-28**



**PFK3d**





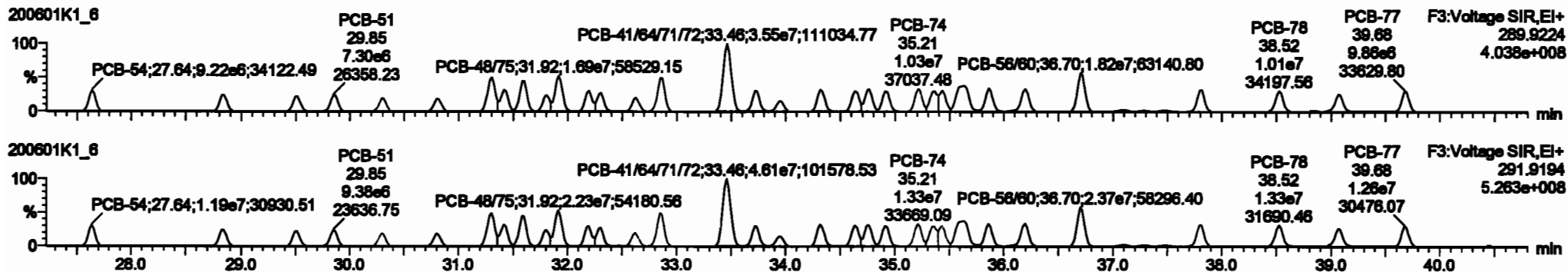


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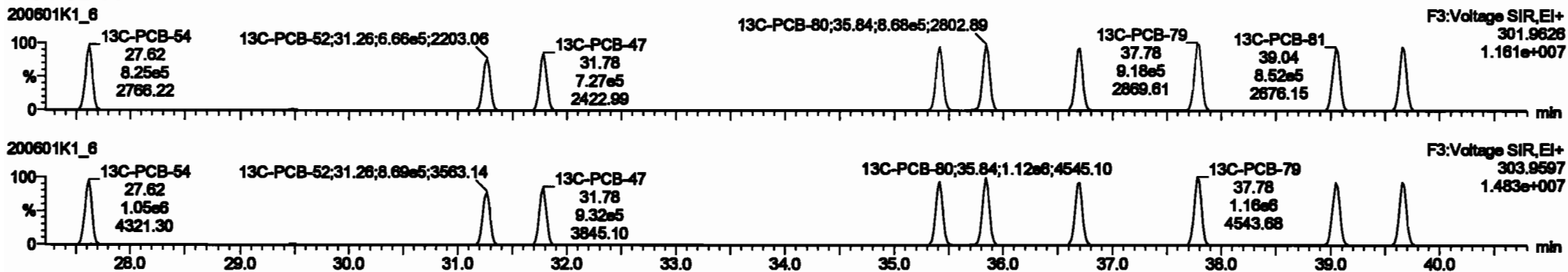
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 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

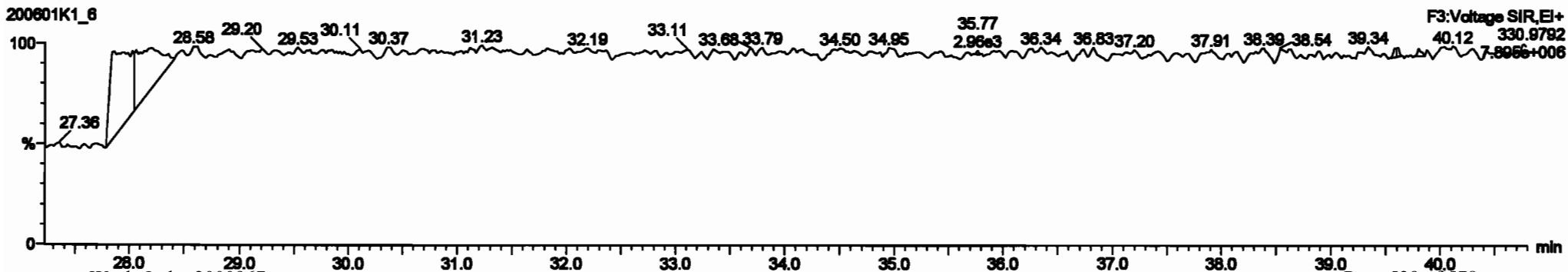
**PCB-54**



**13C-PCB-54**



**PFK3a**



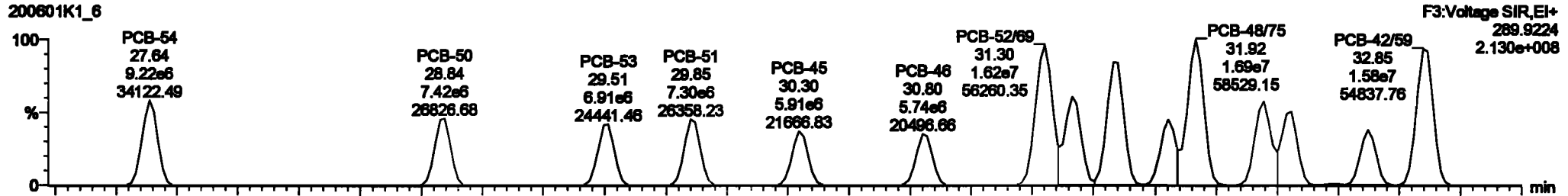
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

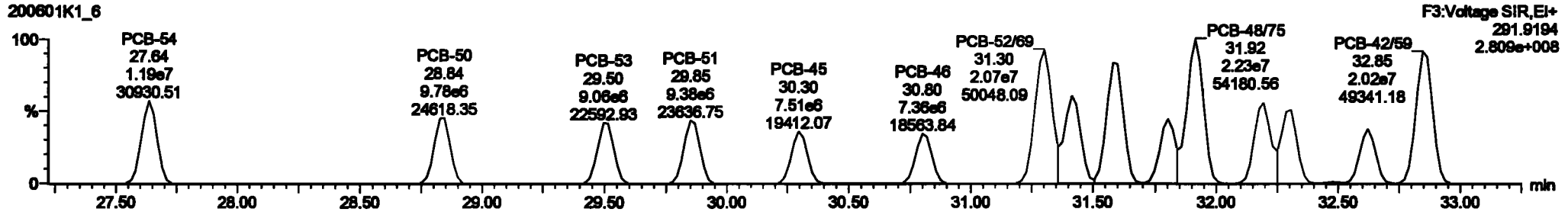
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PCB-50

200601K1\_6

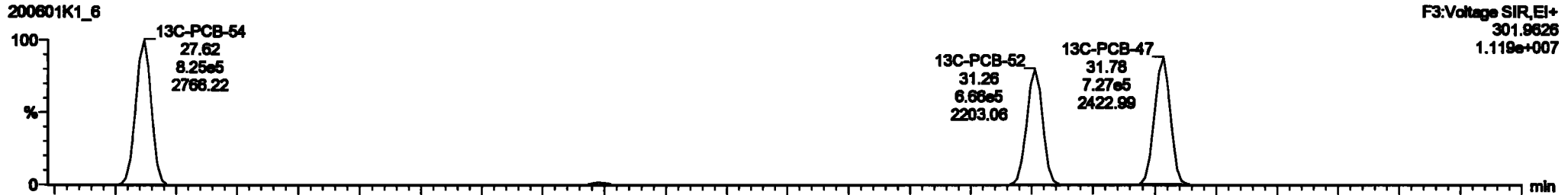


200601K1\_6

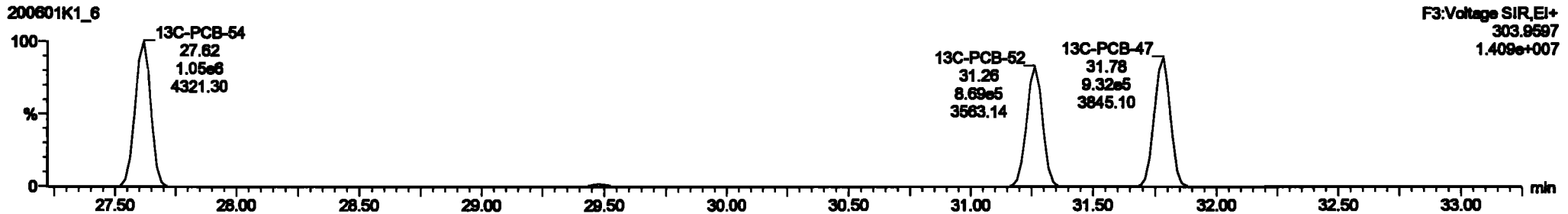


13C-PCB-52

200601K1\_6



200601K1\_6

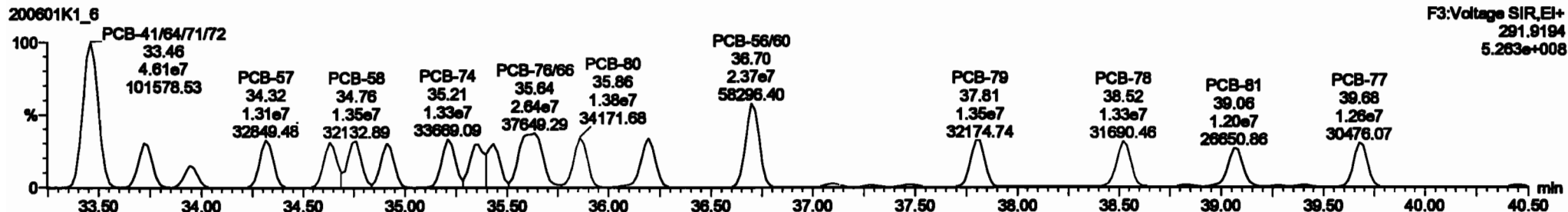
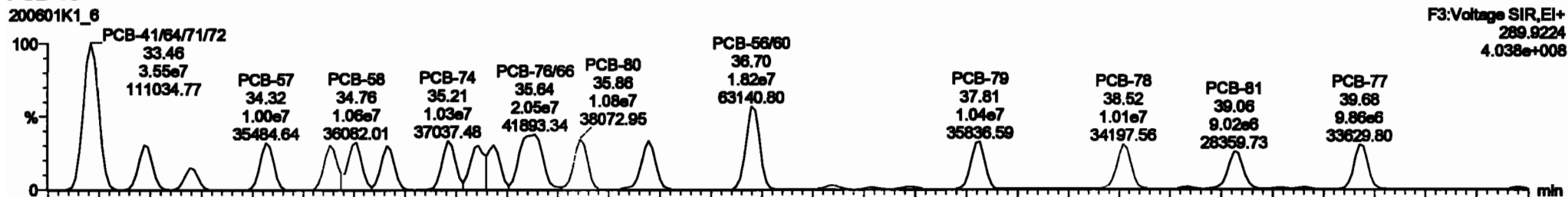


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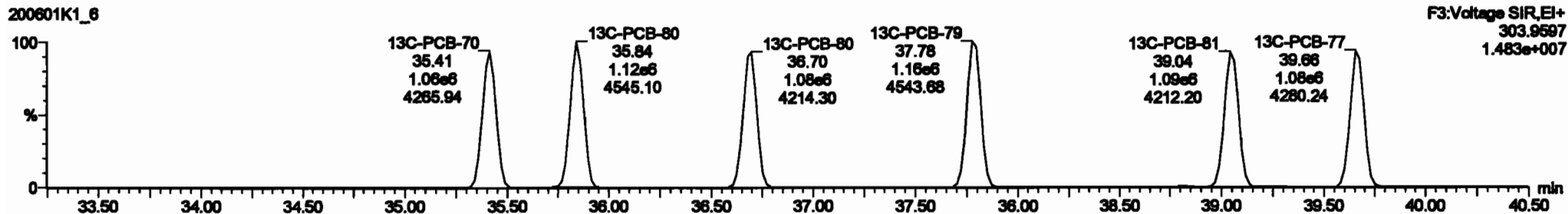
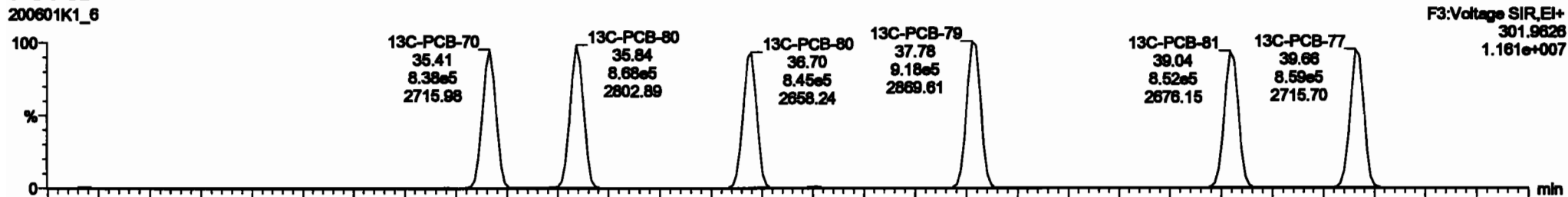
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

PCB-68



13C-PCB-60



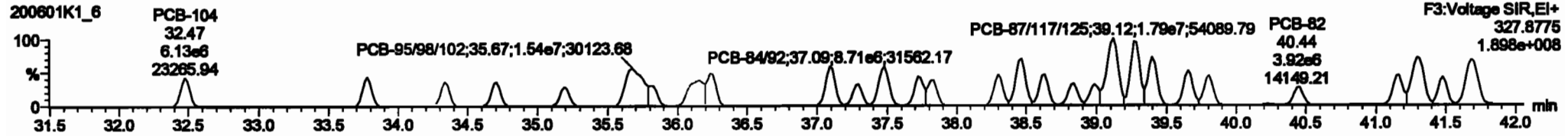
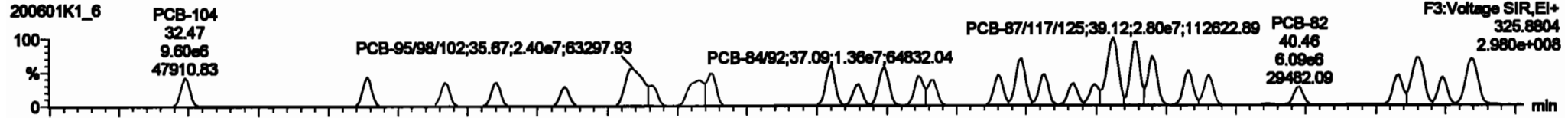


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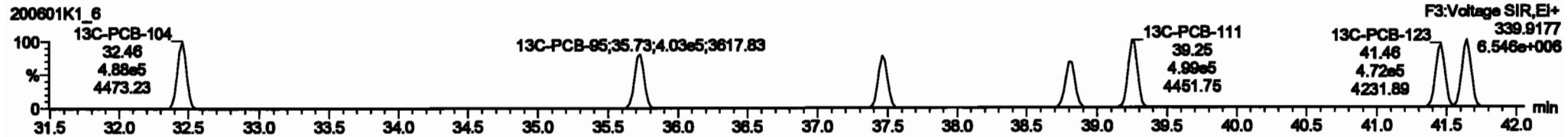
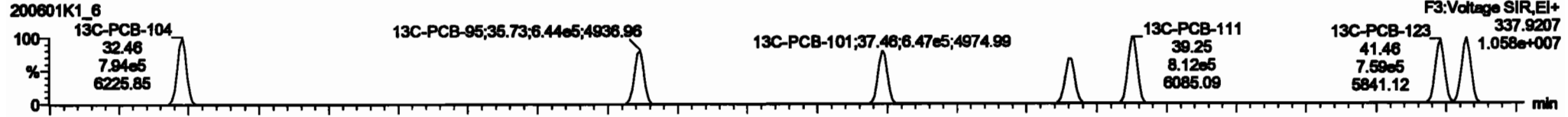
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

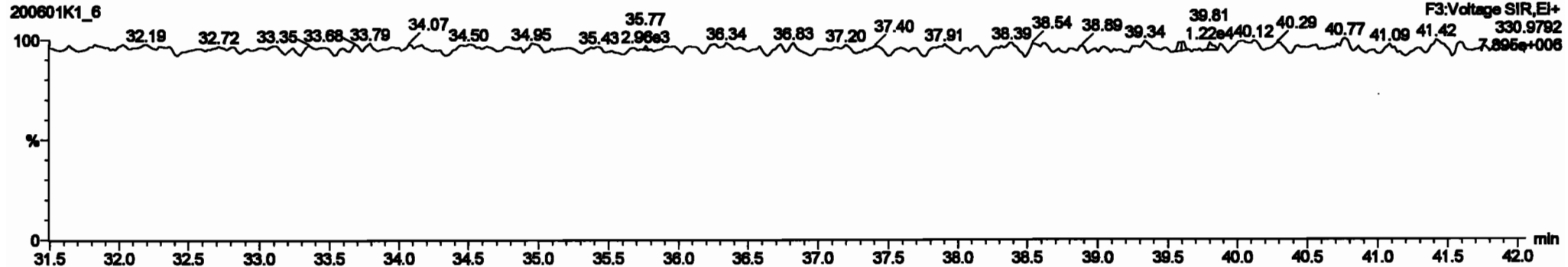
**PCB-104**



**13C-PCB-104**



**PFK3b**



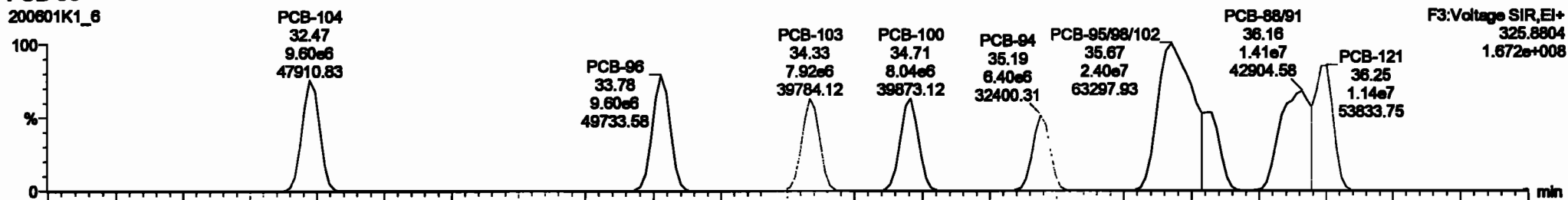
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

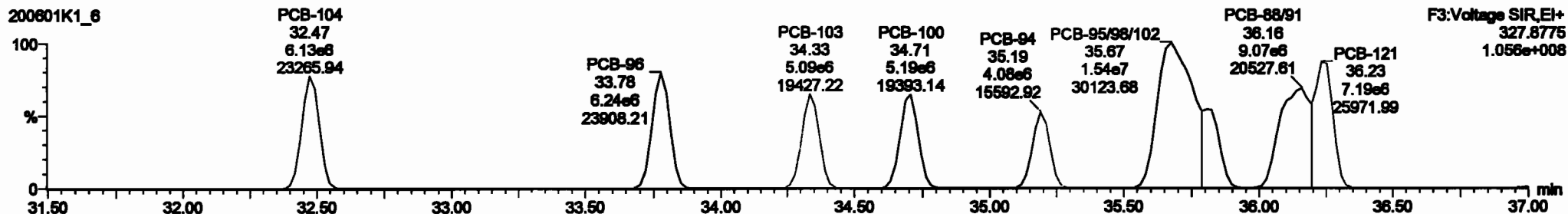
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**PCB-96**

200601K1\_6



200601K1\_6

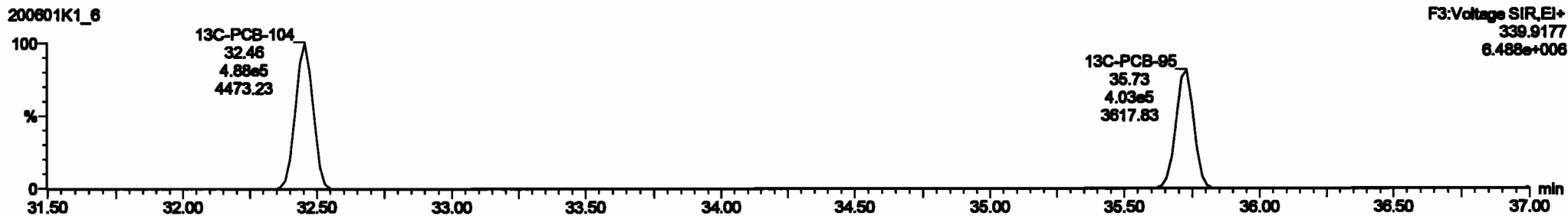


**13C-PCB-95**

200601K1\_6



200601K1\_6



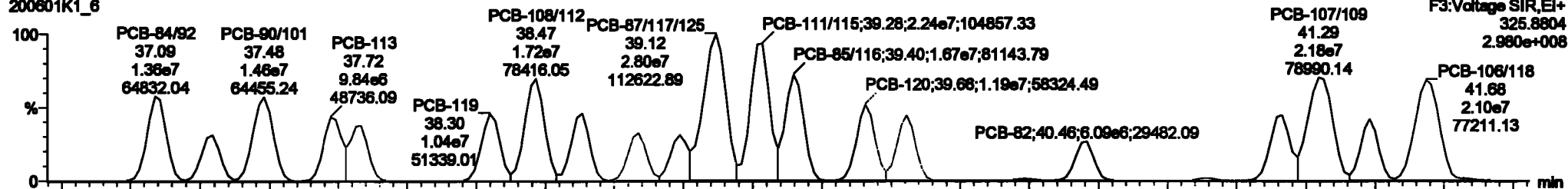
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

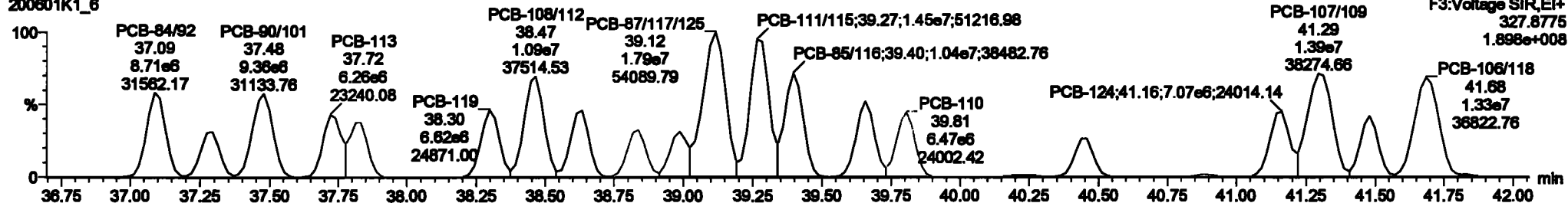
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PCB-119

200601K1\_6

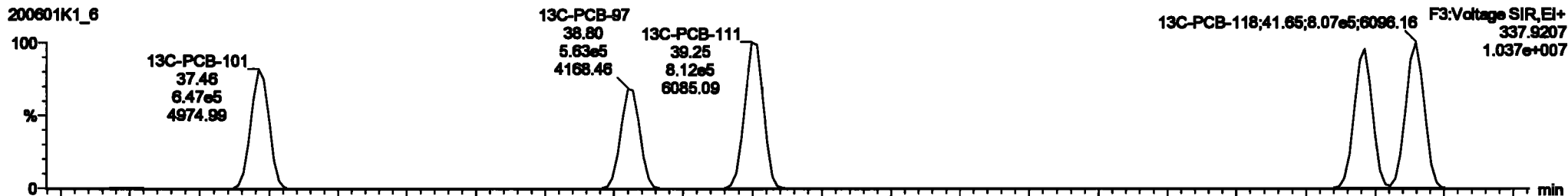


200601K1\_6

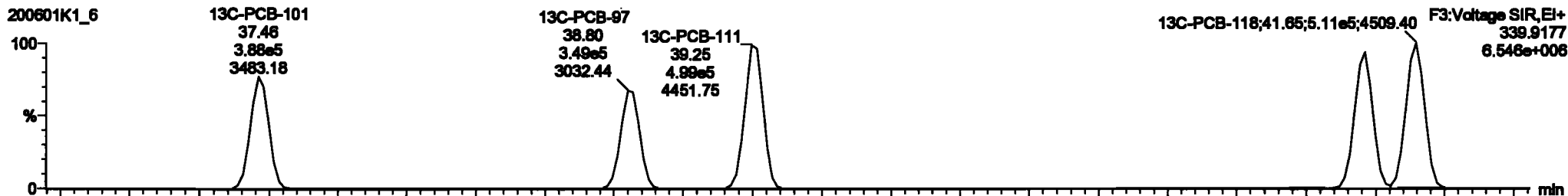


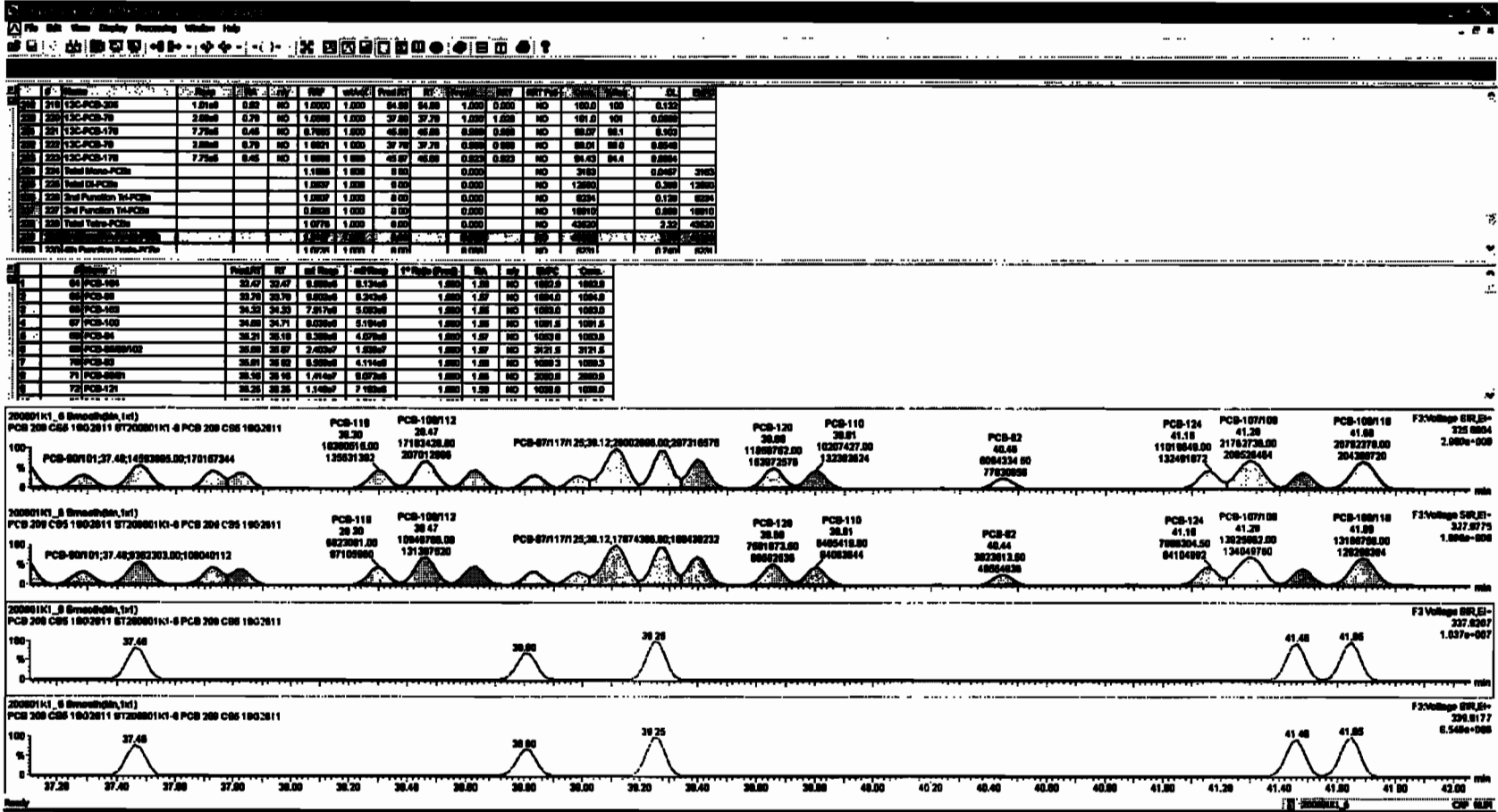
13C-PCB-111

200601K1\_6



200601K1\_6





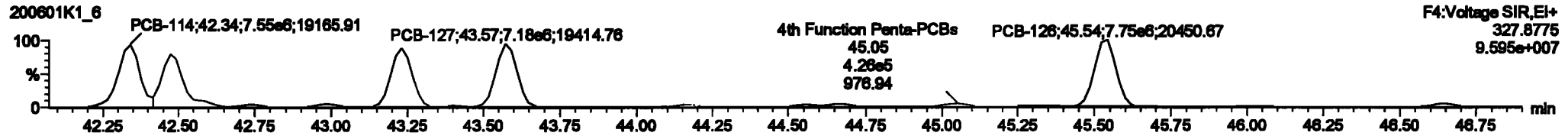
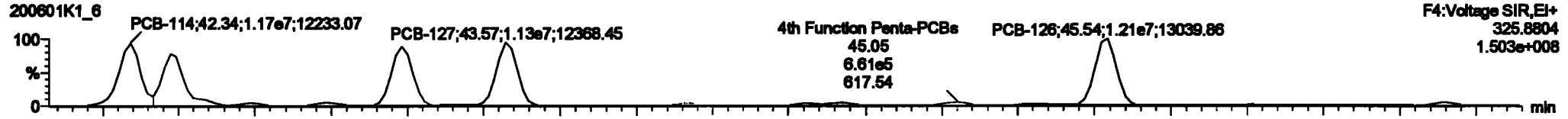


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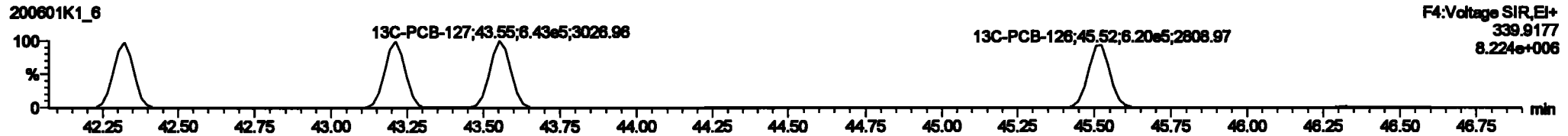
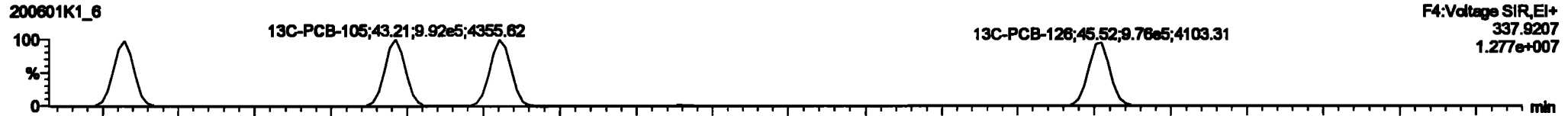
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

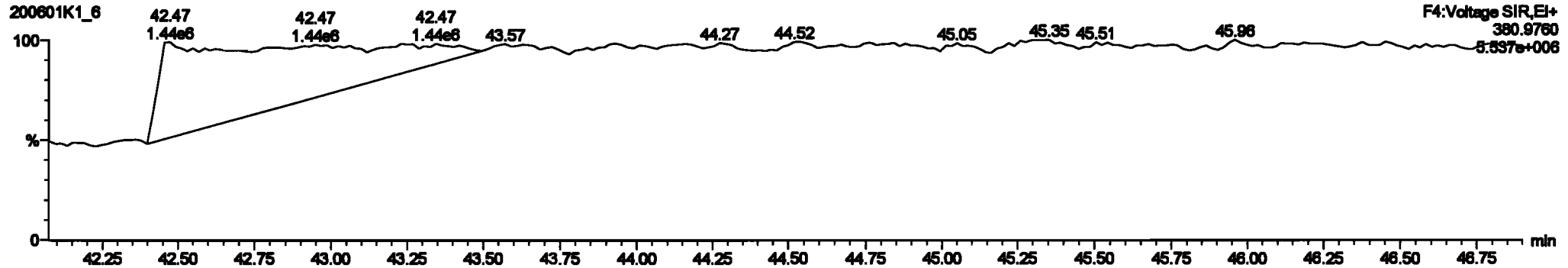
**PCB-114**



**13C-PCB-114**



**PFK4a**





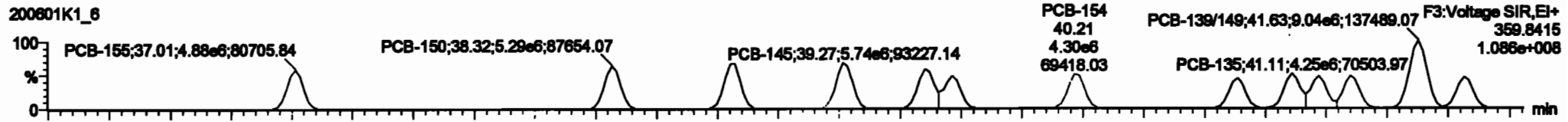
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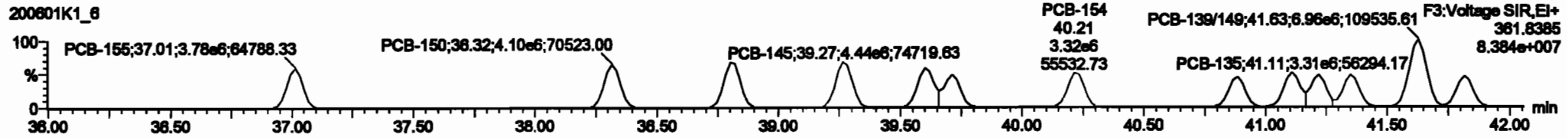
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PCB-155

200601K1\_6

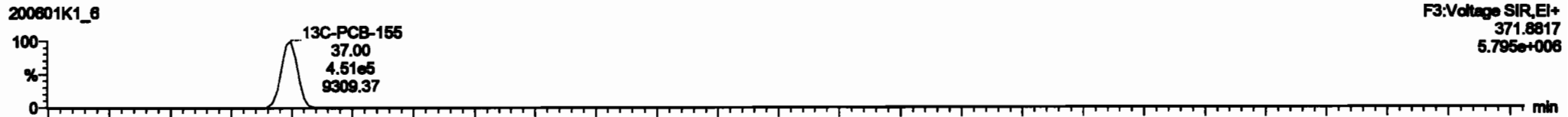


200601K1\_6

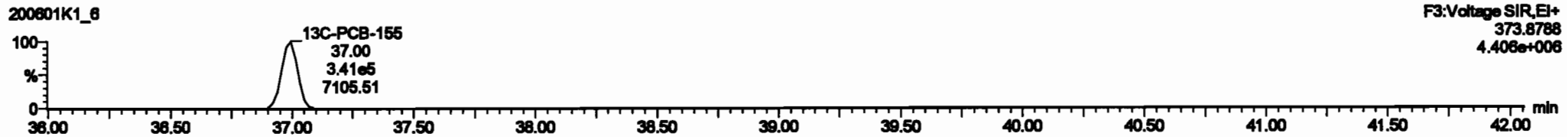


13C-PCB-155

200601K1\_6

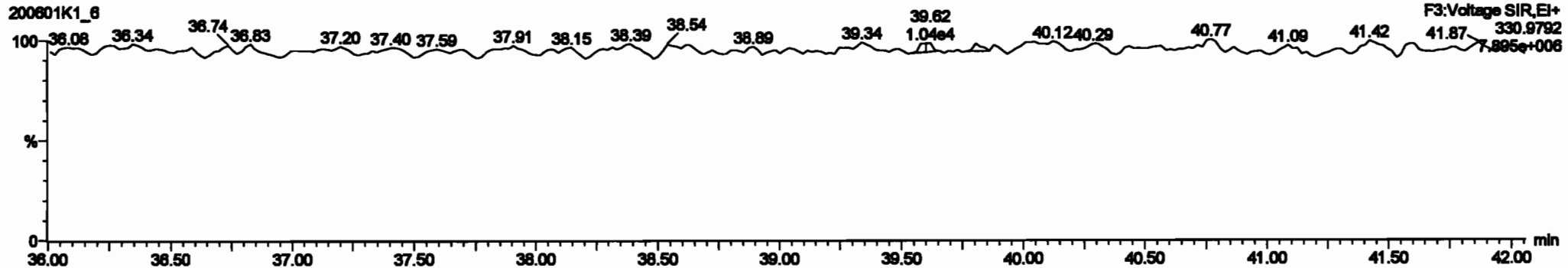


200601K1\_6



PFK3c

200601K1\_6



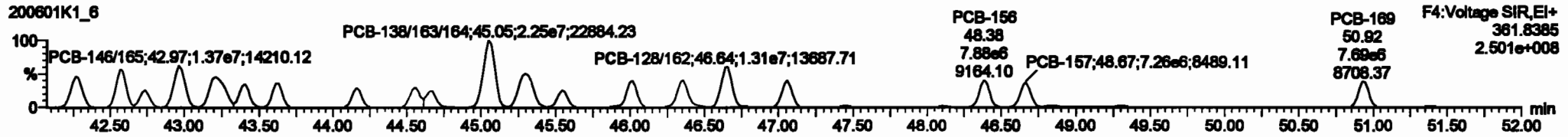
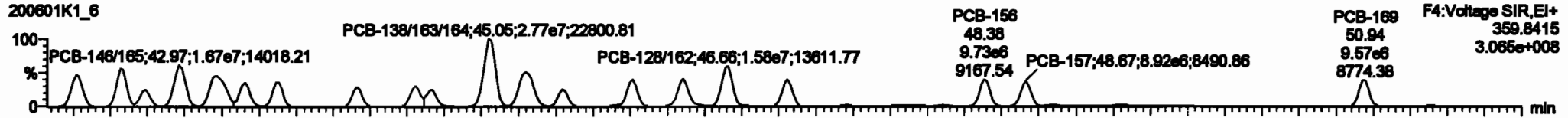


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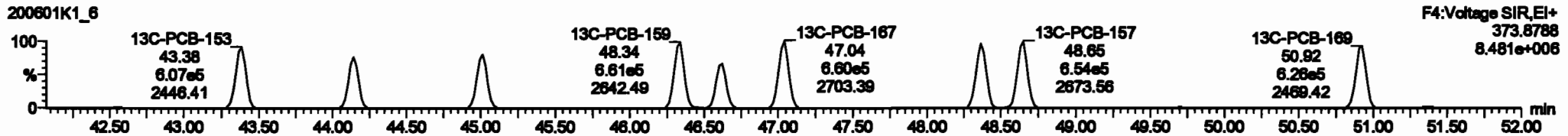
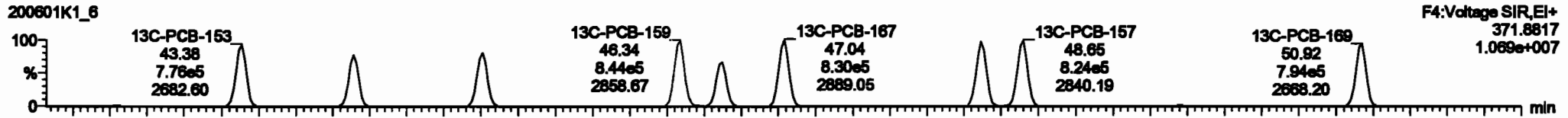
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

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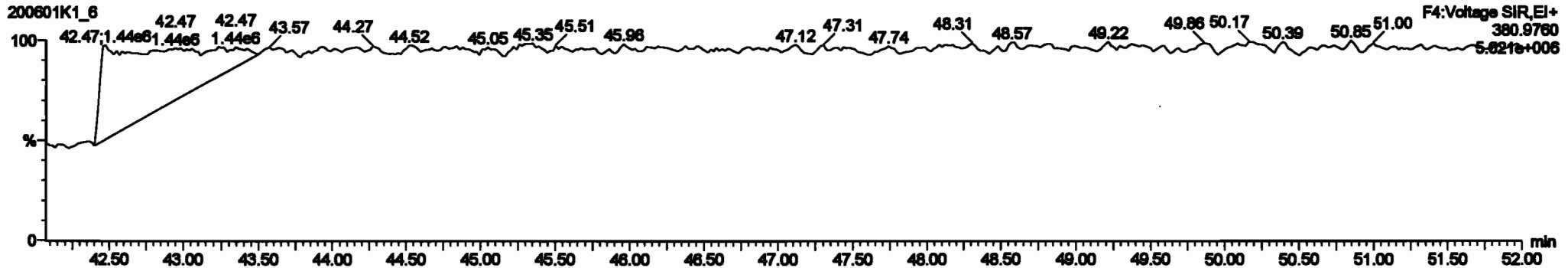
PCB-134/143



13C-PCB-153

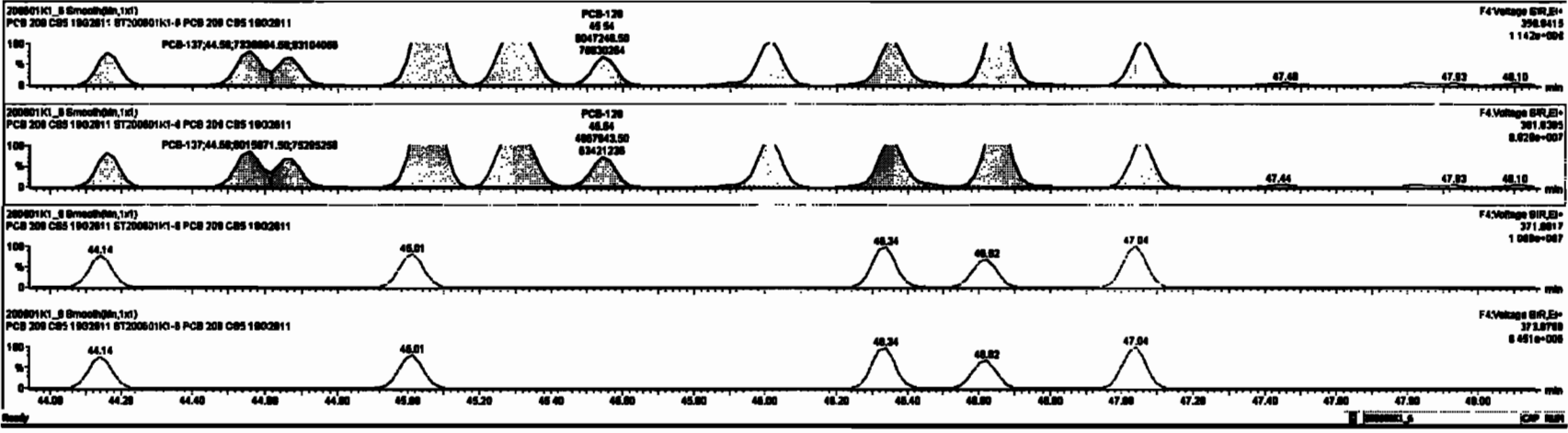


PFK4b



#	Step	RA	dy	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
221	2nd Function Home-PCBs	0.8858	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
222	2nd Function Home-PCBs	1.2891	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
223	Total Home-PCBs	1.0000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
224	4th Function Outer-PCBs	1.1488	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
225	4th Function Outer-PCBs	0.8858	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
226	Total Home-PCBs	0.8854	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
227	Down-OS																	
228	Total PCBs																	
229	Total Home-Subgroups																	
230	Total DA-Subgroups																	
231	2nd Function Test-Subgroups																	
232	2nd Function Test-Subgroups																	

#	Step	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
111	PCB-138-43	42.28	42.28	1.277e7	1.028e7	1.240	1.24	NO	2188.8	2188.8								
112	PCB-138-43	42.88	42.87	1.274e7	1.118e7	1.240	1.23	NO	2194.8	2194.8								
113	PCB-142	42.74	42.74	8.881e6	4.828e6	1.240	1.21	NO	1047.9	1047.9								
114	PCB-148-88	42.88	42.87	1.289e7	1.271e7	1.240	1.23	NO	2181.1	2181.1								
115	PCB-148-88	43.22	43.21	1.872e7	1.240e7	1.240	1.24	NO	2128.4	2128.4								
116	PCB-148	43.40	43.40	8.881e6	7.881e6	1.240	1.24	NO	1088.4	1088.4								
117	PCB-148	43.65	43.65	8.877e6	7.213e6	1.240	1.23	NO	1078.7	1078.7								
118	PCB-141	44.18	44.18	8.788e6	6.481e6	1.240	1.24	NO	1082.7	1082.7								
119	PCB-137	44.58	44.58	7.328e6	8.018e6	1.240	1.23	NO	1088.8	1088.8								



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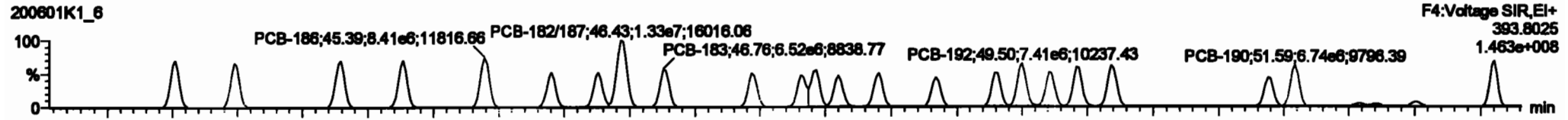
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

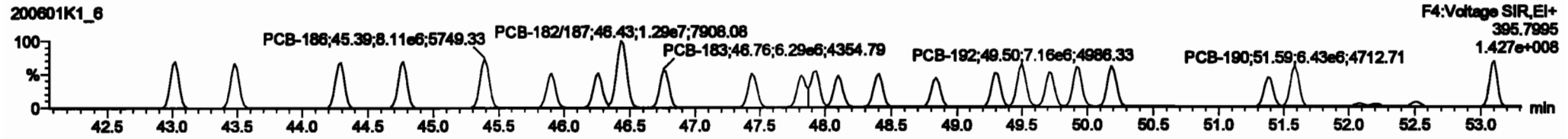
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**PCB-188**

200601K1\_6

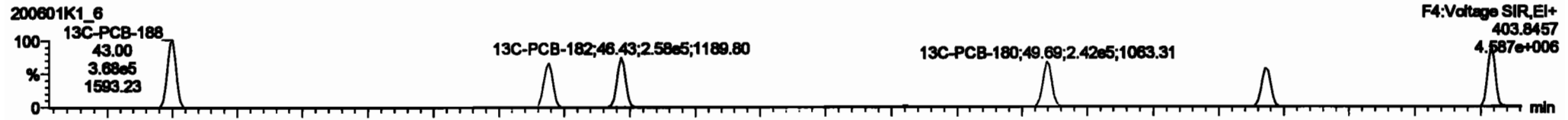


200601K1\_6

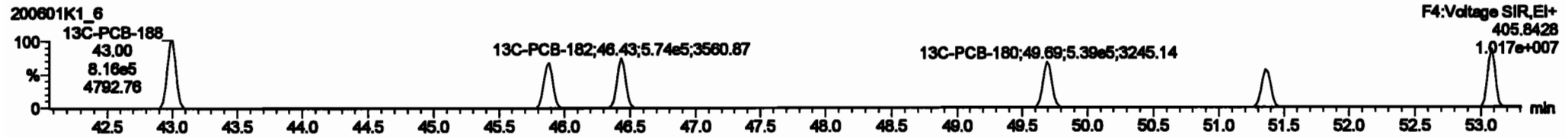


**13C-PCB-188**

200601K1\_6

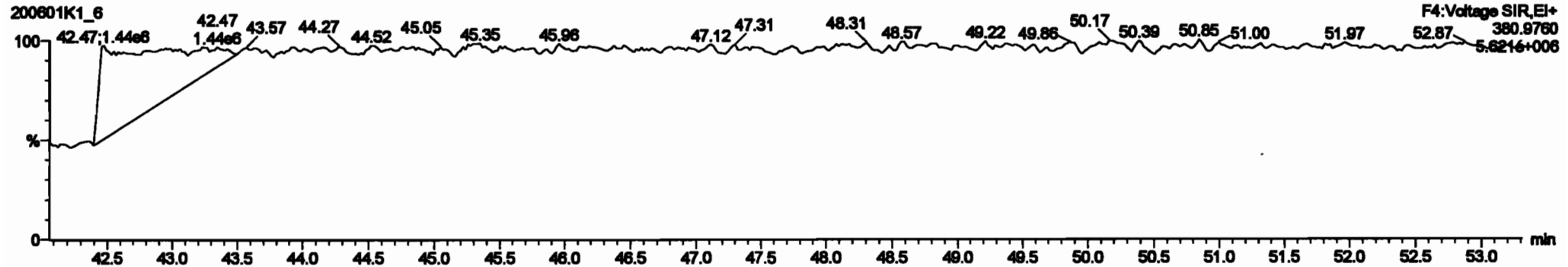


200601K1\_6



**PFK4c**

200601K1\_6



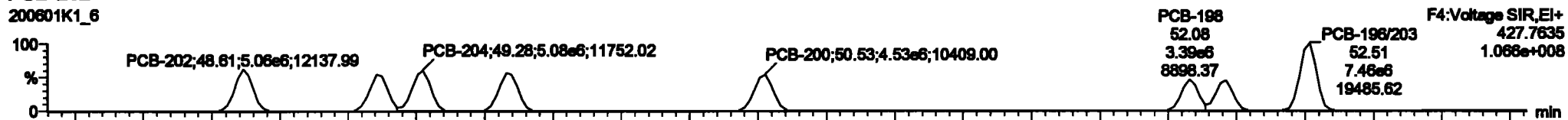
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

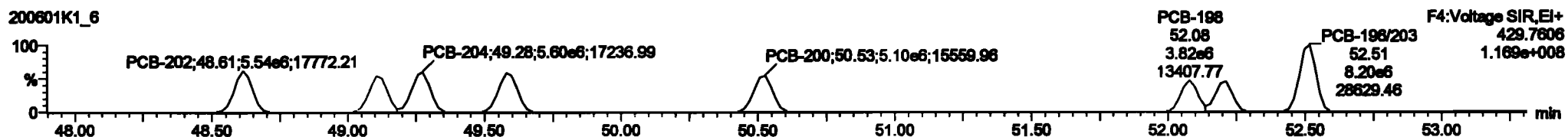
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**PCB-202**

200601K1\_6

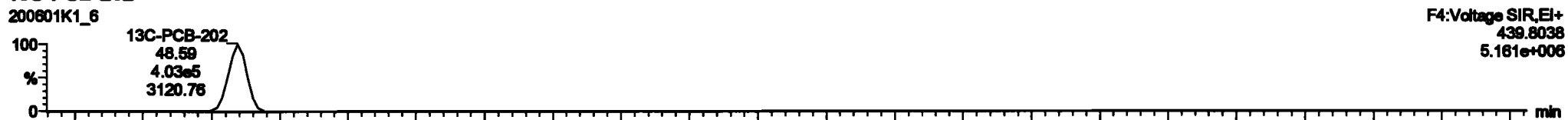


200601K1\_6

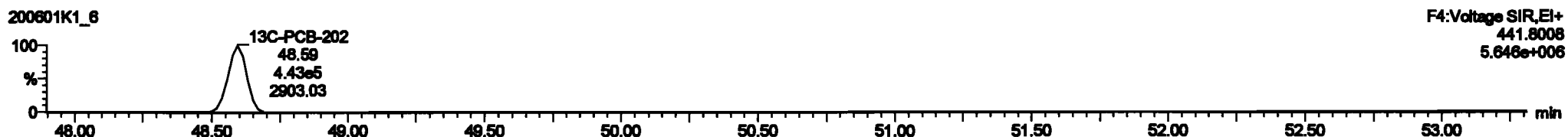


**13C-PCB-202**

200601K1\_6

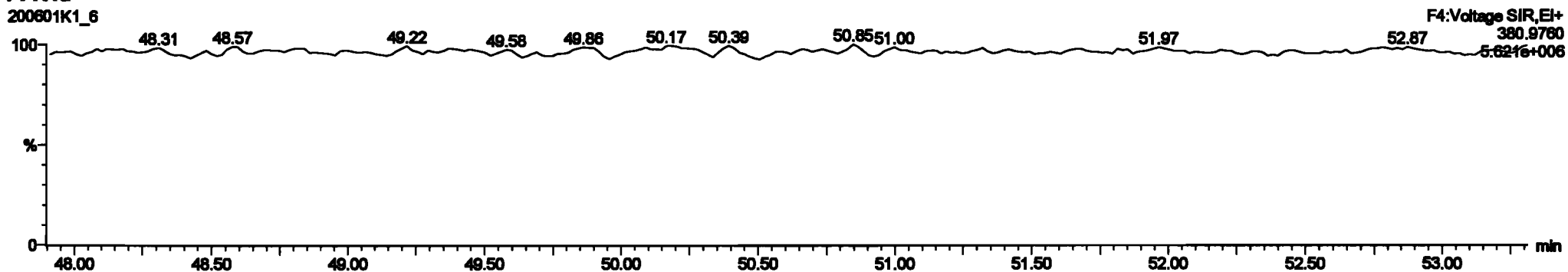


200601K1\_6



**PFK4d**

200601K1\_6





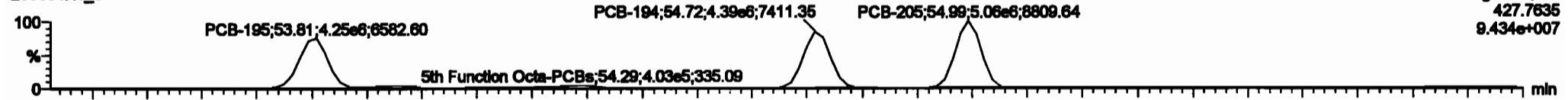
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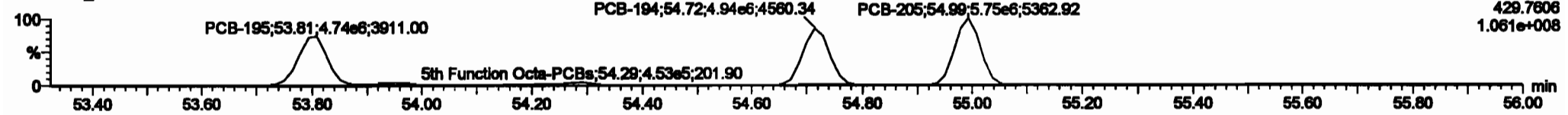
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**PCB-195**

200601K1\_6

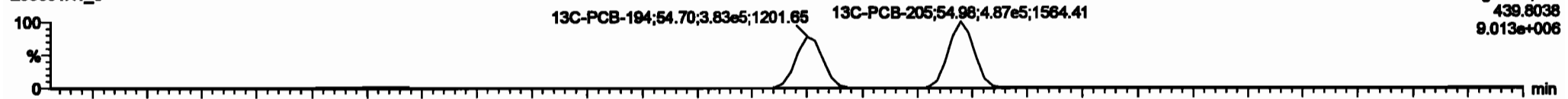


200601K1\_6

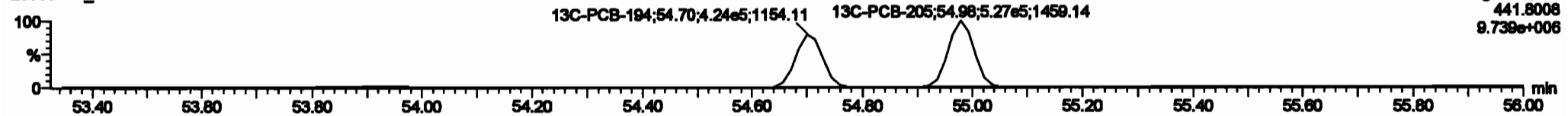


**13C-PCB-194**

200601K1\_6

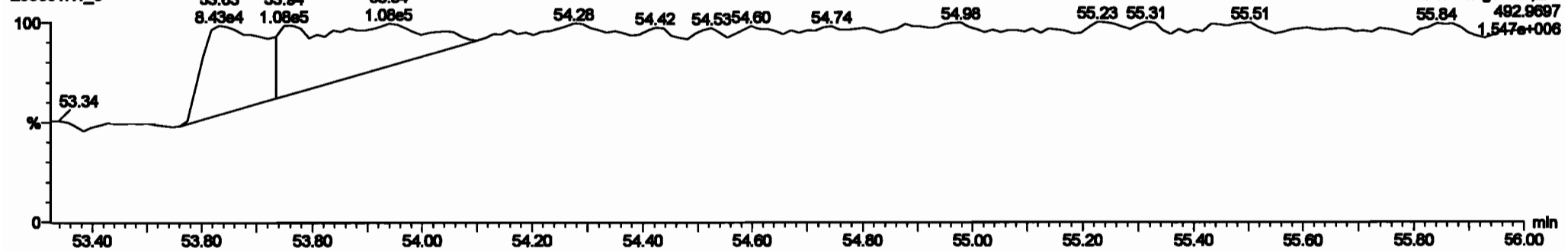


200601K1\_6



**PFK5a**

200601K1\_6

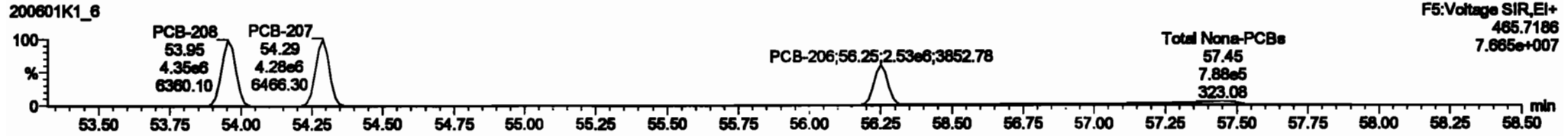
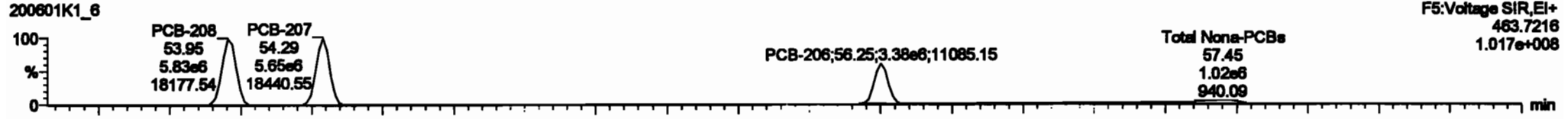


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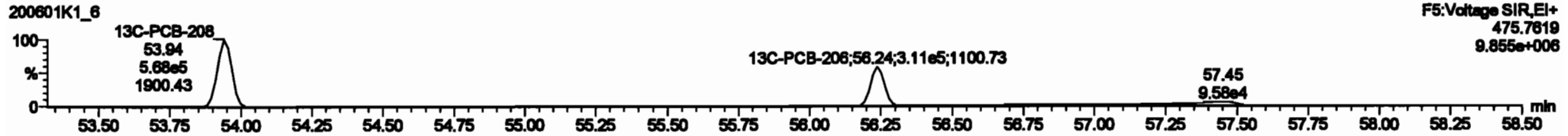
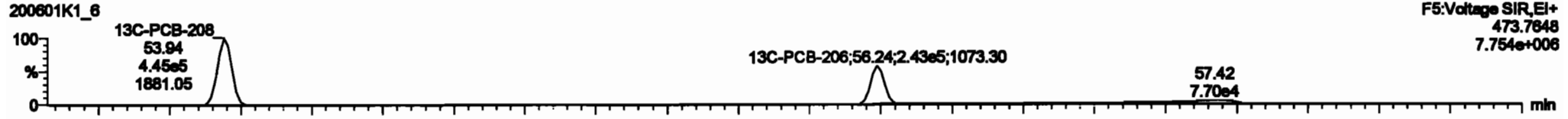
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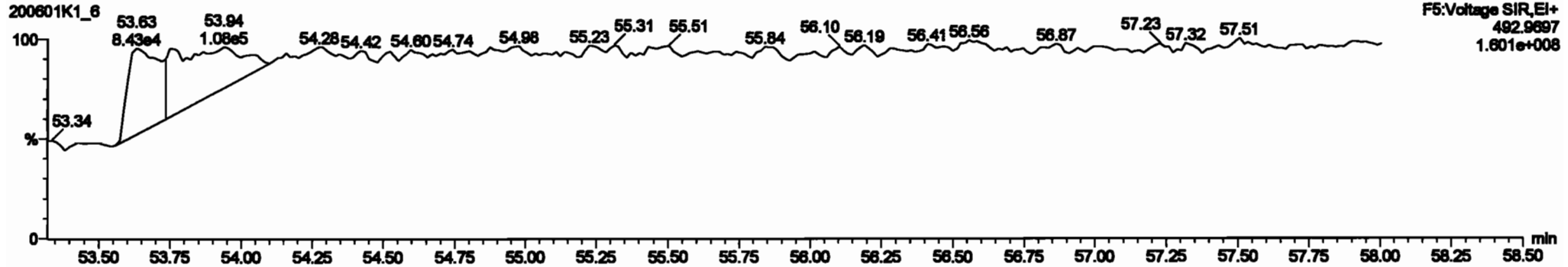
**PCB-208**



**13C-PCB-208**



**PFK5**



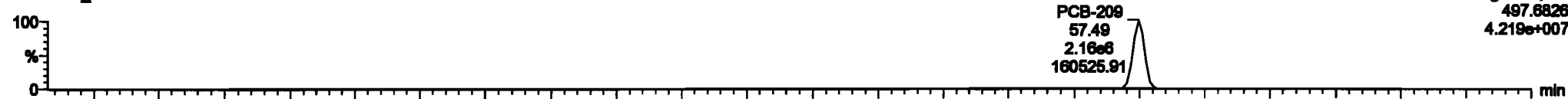
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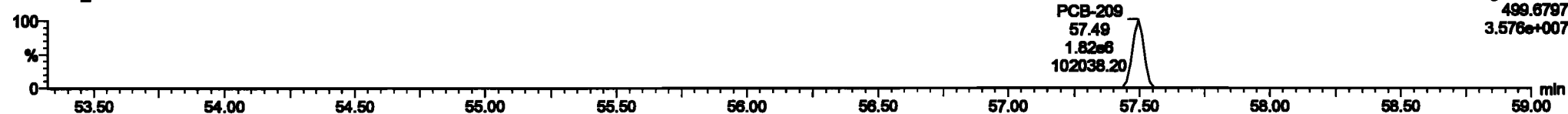
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**PCB-209**

200601K1\_6

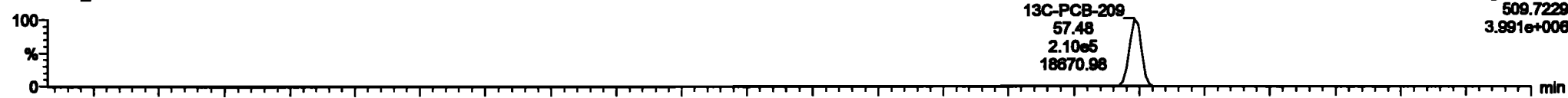


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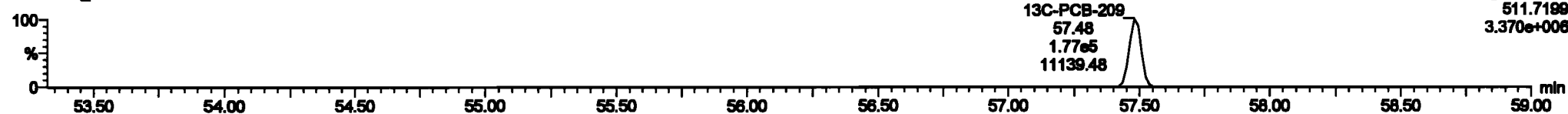


**13C-PCB-209**

200601K1\_6

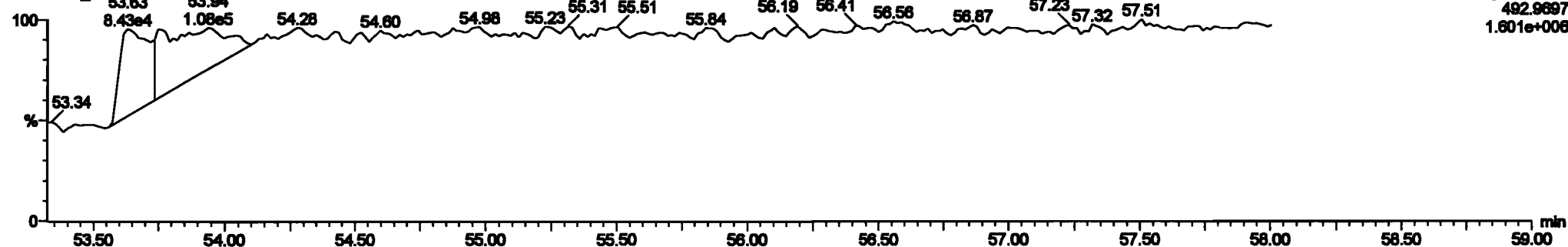


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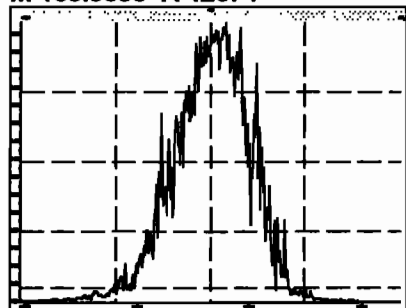
**PFK5b**

200601K1\_6

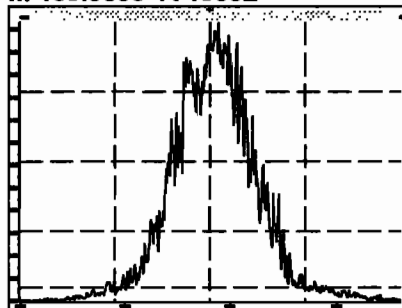


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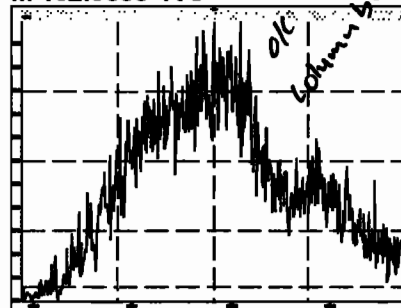
M 168.9888 R 12074



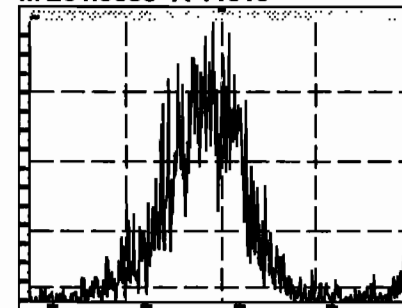
M 180.9888 R 10992



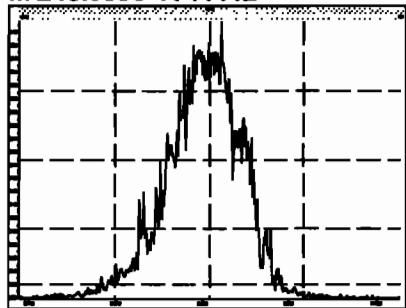
M 192.9888 R 0



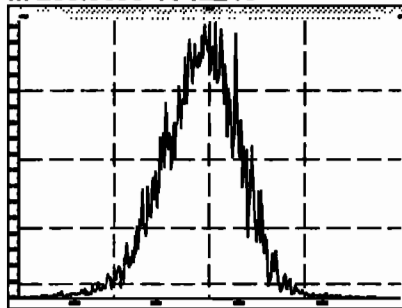
M 204.9888 R 14010



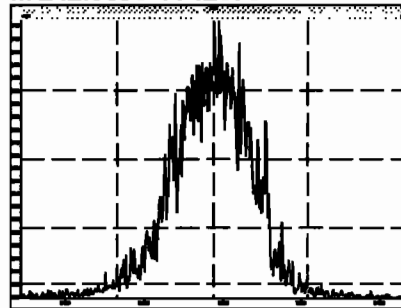
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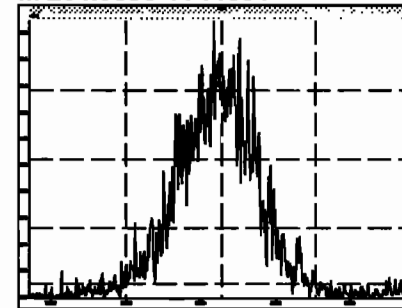
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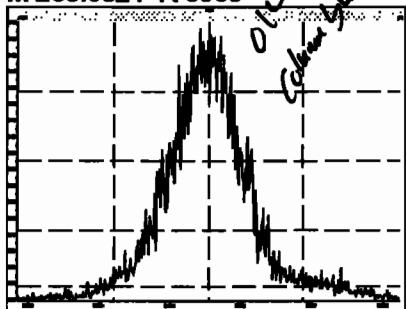
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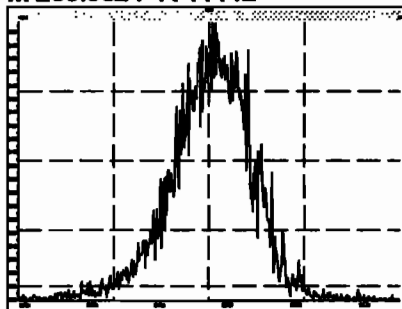
M 254.9856 R 11834



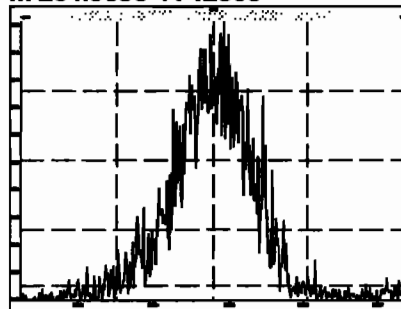
M 268.9824 R 9960



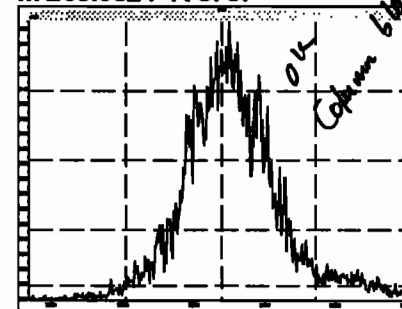
M 280.9824 R 11142



M 254.9856 R 12563

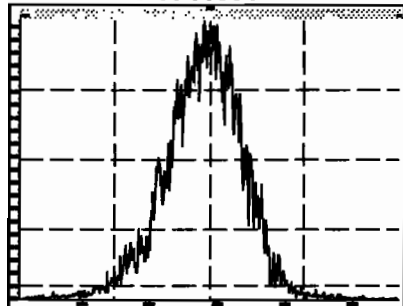


M 268.9824 R 8787

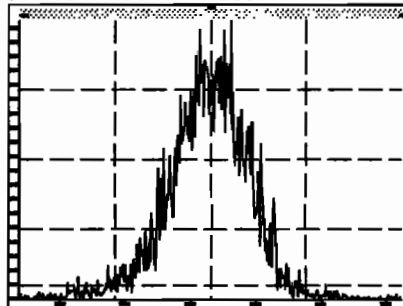


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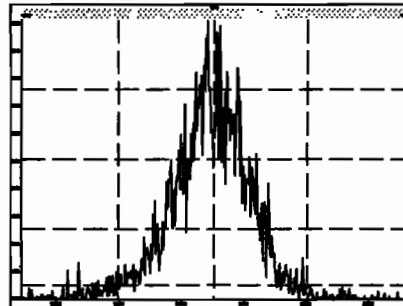
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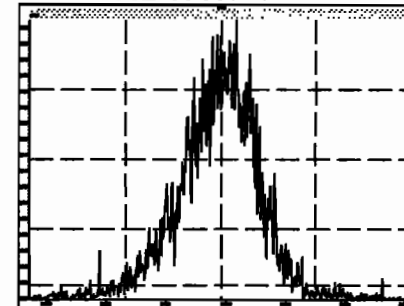
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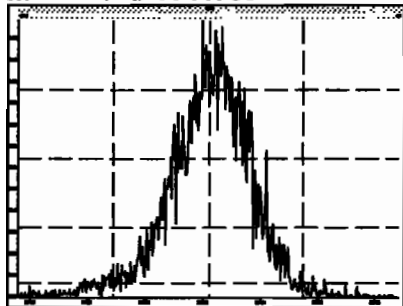
M 304.9824 R 11934



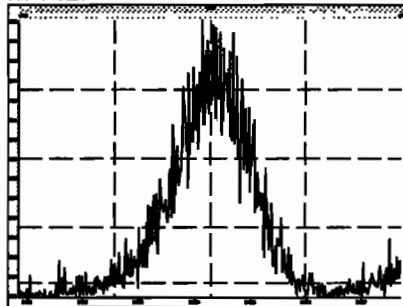
M 318.9792 R 11884



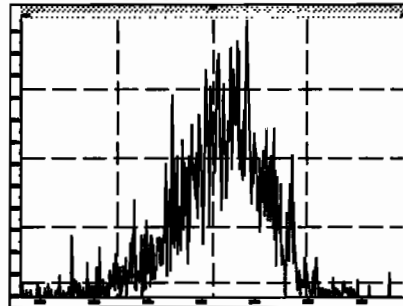
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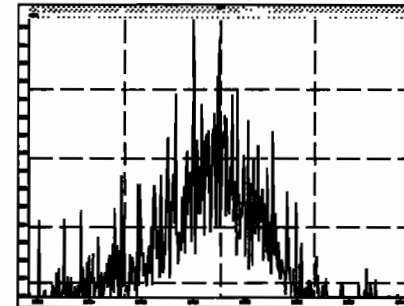
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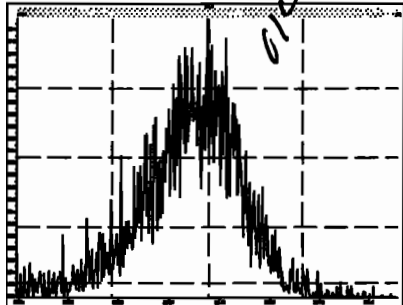
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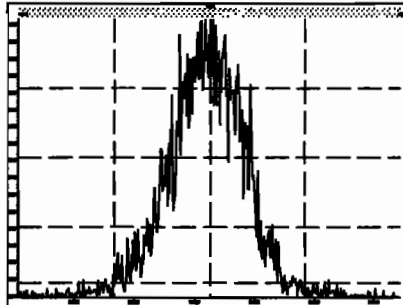
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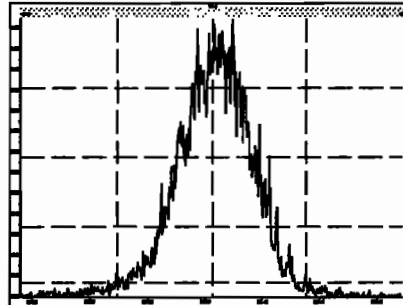
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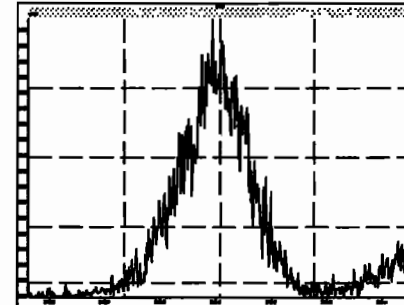
M 318.9792 R 12965



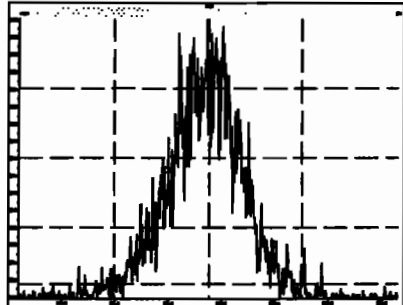
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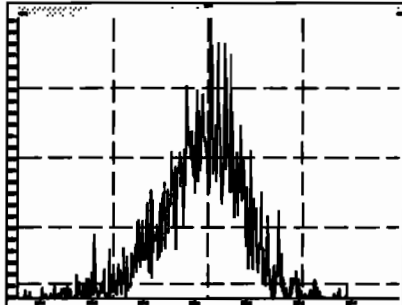
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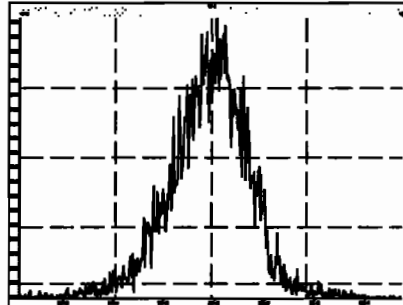
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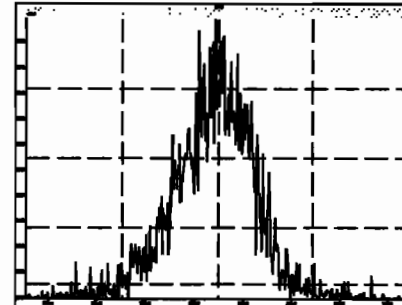
M 366.9792 R 13158



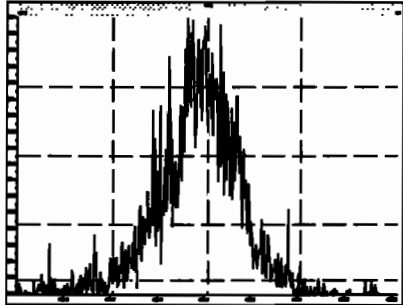
M 380.9760 R 12073



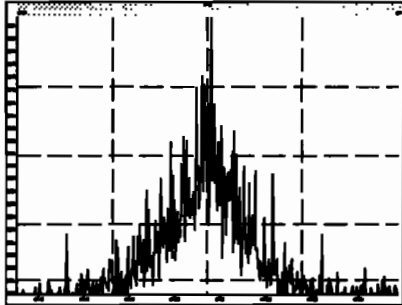
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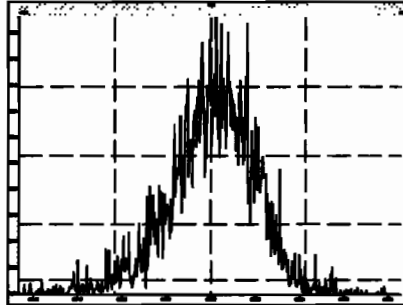
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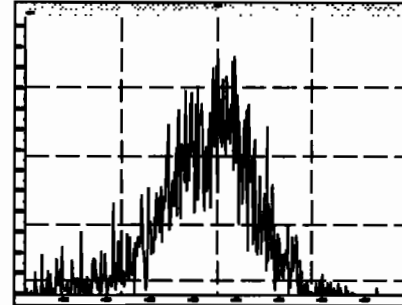
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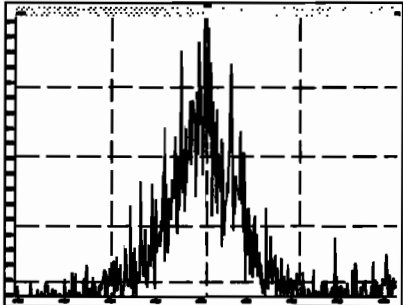
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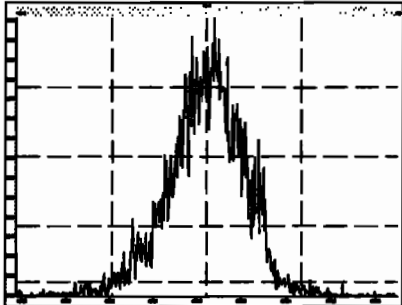
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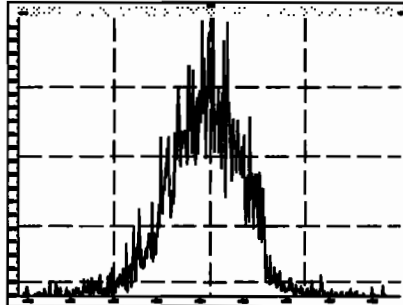
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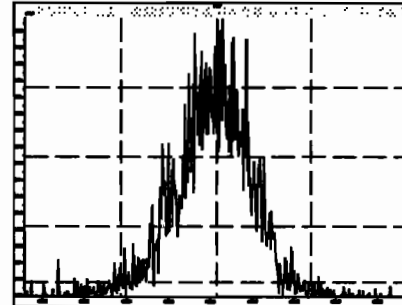
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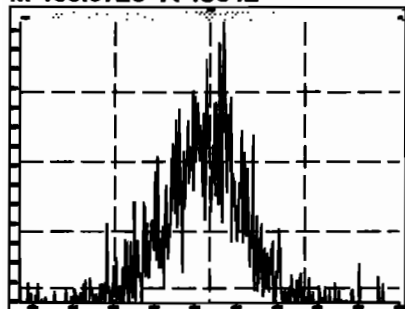
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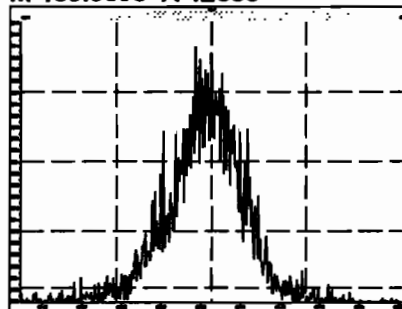
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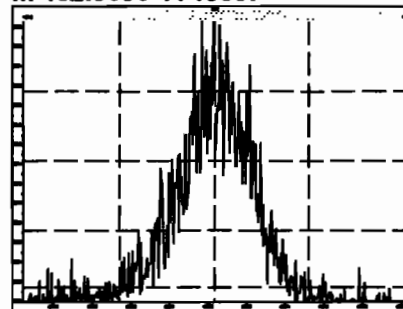
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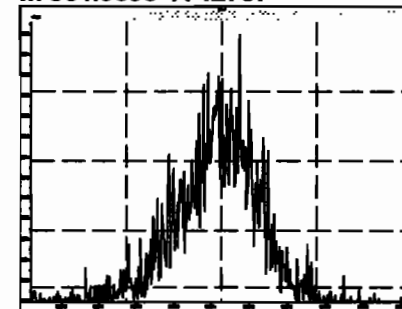
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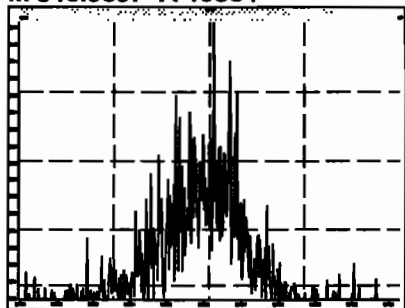
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M 504.9696 R 12787



M 516.9697 R 19564



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Last Altered: Tuesday, June 02, 2020 11:36:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 11:37:29 Pacific Daylight Time

*h f. l. 2020*

*06/02/2020*

Method: Untitled 02 Jun 2020 10:36:07

Calibration: U:\VG11.PRO\CurveDB\vb1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

#	Name	Resp	RA	RI	RRF	wt/wt	Pres.RT	RT	Pres.H...	RRT	Check RRT	Conc	WRec	DI	EMPC
1	1 PCB-1	2.54e6	3.08	NO	1.17	1.000	15.53	15.54	1.001	1.001	NO	98.29	<i>90-130</i>	0.00958	98.29
2	2 PCB-2			NO	1.18	1.000	17.95		0.988		YES			0.00963	
3	3 PCB-3	2.60e6	3.06	NO	1.15	1.000	18.18	18.19	1.001	1.001	NO	99.67	<i>70-170x</i>	0.00992	99.67
4	4 PCB-4/10	3.74e6	1.54	NO	1.25	1.000	19.61	19.60	1.004	1.004	NO	203.1	<i>125-225</i>	0.0422	203.1
5	5 PCB-7/9	2.33e6	1.55	NO	0.960	1.000	21.41	21.37	1.003	1.001	NO	101.6	<i>70-130</i>	0.0331	101.6
6	6 PCB-6			NO	1.02	1.000	22.06		1.033		YES			0.0311	
7	7 PCB-5/8	2.40e6	1.55	NO	0.992	1.000	22.46	22.46	1.052	1.052	NO	100.9	<i>70-130</i>	0.0320	100.9
8	8 PCB-14			NO	1.02	1.000	23.61		0.952		YES			0.0337	
9	9 PCB-11	2.29e6	1.57	NO	1.13	1.000	24.82	24.82	1.001	1.001	NO	87.28	<i>70-130</i>	0.0304	87.28
10	10 PCB-12/13	2.21e6	1.56	NO	1.03	1.000	25.26	25.26	1.018	1.018	NO	92.77		0.0333	92.77
11	11 PCB-15	2.35e6	1.56	NO	1.03	1.000	25.57	25.55	1.031	1.030	NO	97.71		0.0331	97.71
12	12 PCB-19	6.50e5	1.03	NO	1.11	1.000	23.79	23.79	1.001	1.001	NO	47.23	<i>75-165</i>	0.0234	47.23
13	13 PCB-30			NO	1.79	1.000	24.69		1.039		YES			0.0144	
14	14 PCB-18	6.76e5	1.02	NO	0.618	1.000	25.47	25.47	0.952	0.952	NO	45.50		0.0216	45.50
15	15 PCB-17			NO	0.758	1.000	25.64		0.958		YES			0.0233	
16	16 PCB-24/27			NO	1.08	1.000	26.26		0.981		YES			0.0163	
17	17 PCB-16/32			NO	0.925	1.000	26.79		1.001		YES			0.0191	
18	18 PCB-34			NO	0.945	1.000	27.58		0.959		YES			0.0221	
19	19 PCB-23			NO	0.883	1.000	27.67		0.982		YES			0.0236	
20	20 PCB-29			NO	0.893	1.000	27.93		0.971		YES			0.0234	
21	21 PCB-26			NO	0.944	1.000	28.16		0.979		YES			0.0221	
22	22 PCB-25			NO	0.950	1.000	28.31		0.984		YES			0.0220	
23	23 PCB-31	9.20e5	1.02	NO	1.04	1.000	28.68	28.70	0.997	0.997	NO	42.66		0.0201	42.66
24	24 PCB-28	9.58e5	1.07	NO	1.03	1.000	28.79	28.79	1.001	1.001	NO	44.94		0.0204	44.94
25	25 PCB-20/21/33	6.95e5	1.05	NO	0.941	1.000	29.43	29.46	1.023	1.024	NO	45.73		0.0222	45.73
26	26 PCB-22			NO	0.973	1.000	29.67		1.036		YES			0.0215	
27	27 PCB-36			NO	1.08	1.000	30.52		0.931		YES			0.0219	
28	28 PCB-39			NO	0.988	1.000	31.00		0.946		YES			0.0238	
29	29 PCB-38	6.46e5	1.05	NO	1.05	1.000	31.80	31.76	0.970	0.970	NO	43.25		0.0224	43.25
30	30 PCB-35	6.58e5	1.03	NO	1.04	1.000	32.34	32.32	0.987	0.986	NO	44.23		0.0226	44.23
31	31 PCB-37	6.92e5	1.05	NO	1.01	1.000	32.79	32.79	1.001	1.001	NO	47.59		0.0233	47.59
32	32 PCB-54	6.31e5	0.78	NO	1.08	1.000	27.64	27.64	1.001	1.001	NO	47.67		0.0216	47.67



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Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

#	Name	Resp	FA	n/y	RPD	w/Std	Prod RT	RT	Prod CR	RRT	Check RRT	Comp	U/B	DI	EMPC
33	33 PCB-50			NO	0.880	1.000	28.83		1.044		YES		35-65	0.0265	
34	34 PCB-53			NO	0.997	1.000	29.50		0.944		YES			0.0295	
35	35 PCB-51			NO	1.07	1.000	29.85		0.955		YES			0.0276	
36	36 PCB-45			NO	0.858	1.000	30.30		0.989		YES			0.0342	
37	37 PCB-46			NO	0.831	1.000	30.80		0.985		YES			0.0354	
38	38 PCB-52/69	6.95e5	0.76	NO	1.17	1.000	31.30	31.28	1.001	1.001	NO	46.22		0.0252	46.22
39	39 PCB-73			NO	1.44	1.000	31.41		1.005		YES			0.0204	
40	40 PCB-43/49	6.32e5	0.79	NO	1.02	1.000	31.59	31.60	1.010	1.011	NO	48.32		0.0289	48.32
41	41 PCB-47			NO	0.922	1.000	31.80		1.001		YES			0.0299	
42	42 PCB-48/75			NO	1.12	1.000	31.92		1.004		YES			0.0246	
43	43 PCB-65			NO	1.28	1.000	32.19		1.013		YES			0.0215	
44	44 PCB-62			NO	1.13	1.000	32.29		1.016		YES			0.0244	
45	45 PCB-44	5.42e5	0.76	NO	0.824	1.000	32.62	32.62	1.026	1.028	NO	47.17		0.0334	47.17
46	46 PCB-42/59			NO	1.05	1.000	32.85		1.033		YES			0.0262	
47	47 PCB-41/64/71/72			NO	1.19	1.000	33.47		1.053		YES			0.0232	
48	48 PCB-68			NO	1.28	1.000	33.72		1.061		YES			0.0215	
49	49 PCB-40			NO	0.602	1.000	33.95		1.068		YES			0.0457	
50	50 PCB-57	8.11e5	0.77	NO	1.16	1.000	34.32	34.32	0.989	0.969	NO	43.84		0.0211	43.84
51	51 PCB-67			NO	1.08	1.000	34.63		0.978		YES			0.0226	
52	52 PCB-58			NO	1.20	1.000	34.74		0.981		YES			0.0204	
53	53 PCB-63			NO	1.07	1.000	34.91		0.986		YES			0.0229	
54	54 PCB-74	8.49e5	0.79	NO	1.19	1.000	35.22	35.21	0.994	0.994	NO	45.03		0.0207	45.03
55	55 PCB-61/70	8.69e5	0.77	NO	1.05	1.000	35.43	35.43	1.000	1.001	NO	51.83		0.0233	51.83
56	56 PCB-76/66	8.24e5	0.78	NO	1.16	1.000	35.62	35.66	1.006	1.007	NO	44.47		0.0211	44.47
57	57 PCB-80			NO	1.19	1.000	35.86		1.001		YES			0.0204	
58	58 PCB-55			NO	1.17	1.000	36.20		1.010		YES			0.0207	
59	59 PCB-56/60			NO	1.02	1.000	36.70		1.024		YES			0.0238	
60	60 PCB-79	8.18e5	0.79	NO	1.14	1.000	37.80	37.81	1.055	1.055	NO	44.49		0.0213	44.49
61	61 PCB-78	7.39e5	0.78	NO	1.14	1.000	38.52	38.52	0.987	0.987	NO	42.34		0.0232	42.34
62	62 PCB-81	8.37e5	0.77	NO	1.05	1.000	39.06	39.08	1.000	1.000	NO	52.15		0.0252	52.15
63	63 PCB-77	7.93e5	0.78	NO	1.14	1.000	39.68	39.68	1.000	1.000	NO	48.37		0.0237	46.37
64	64 PCB-104	6.77e5	1.57	NO	1.12	1.000	32.47	32.47	1.001	1.001	NO	54.51		0.0255	54.51
65	65 PCB-96			NO	1.15	1.000	33.78		1.041		YES			0.0248	
66	66 PCB-103			NO	0.936	1.000	34.32		1.058		YES			0.0305	
67	67 PCB-100			NO	0.954	1.000	34.69		1.089		YES			0.0300	
68	68 PCB-94			NO	0.949	1.000	35.21		0.985		YES			0.0390	

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Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

#	Name	Resp	RA	NY	RFP	Wt/Fac	Prod.RT	RT	Prod.LI	RRT	Check.RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	4.83e5	1.58	NO	1.20	1.000	35.69	35.75	0.999	1.001	NO	46.51	46.5	0.0307	46.51
70	70 PCB-93			NO	0.935	1.000	35.81		1.002		YES			0.0396	
71	71 PCB-88/91			NO	1.06	1.000	36.16		1.012		YES			0.0347	
72	72 PCB-121			NO	1.71	1.000	36.25		1.015		YES			0.0218	
73	73 PCB-84/92			NO	1.02	1.000	37.10		0.990		YES			0.0377	
74	74 PCB-89			NO	1.11	1.000	37.27		0.995		YES			0.0347	
75	75 PCB-90/101	5.13e5	1.81	NO	1.12	1.000	37.48	37.50	1.000	1.001	NO	54.10		0.0342	54.10
76	76 PCB-113			NO	1.51	1.000	37.72		1.007		YES			0.0253	
77	77 PCB-99	5.21e5	1.60	NO	1.32	1.000	37.81	37.83	1.009	1.010	NO	46.70		0.0290	46.70
78	78 PCB-119			NO	1.81	1.000	38.32		0.987		YES			0.0246	
79	79 PCB-108/112			NO	1.44	1.000	38.47		0.991		YES			0.0308	
80	80 PCB-83			NO	1.83	1.000	38.63		0.995		YES			0.0243	
81	81 PCB-97			NO	1.28	1.000	38.84		1.000		YES			0.0347	
82	82 PCB-86			NO	1.12	1.000	39.01		1.005		YES			0.0398	
83	83 PCB-87/117/125	4.49e5	1.58	NO	1.56	1.000	39.14	39.14	1.008	1.008	NO	38.66	38.7	0.0285	38.66
84	84 PCB-111/115	6.30e5	1.58	NO	1.91	1.000	39.29	39.28	1.012	1.012	NO	44.26		0.0233	44.26
85	85 PCB-85/116			NO	1.41	1.000	39.42		1.015		YES			0.0315	
86	86 PCB-120			NO	2.01	1.000	39.68		1.022		YES			0.0222	
87	87 PCB-110	6.19e5	1.57	NO	1.74	1.000	39.83	39.81	1.026	1.025	NO	47.71		0.0255	47.71
88	88 PCB-82			NO	0.781	1.000	40.48		0.976		YES			0.0410	
89	89 PCB-124			NO	1.40	1.000	41.17		0.993		YES			0.0229	
90	90 PCB-107/109			NO	1.34	1.000	41.31		0.996		YES			0.0239	
91	91 PCB-123	6.07e5	1.57	NO	1.20	1.000	41.48	41.48	1.000	1.000	NO	50.39		0.0267	50.39
92	92 PCB-106/118	6.56e5	1.60	NO	1.22	1.000	41.69	41.67	1.001	1.000	NO	51.95		0.0255	51.95
93	93 PCB-114	6.19e5	1.52	NO	1.14	1.000	42.34	42.34	1.000	1.000	NO	43.57		0.0294	43.57
94	94 PCB-122			NO	0.944	1.000	42.49		1.004		YES			0.0355	
95	95 PCB-105	6.38e5	1.56	NO	1.05	1.000	43.23	43.23	1.000	1.000	NO	47.30		0.0310	47.30
96	96 PCB-127			NO	1.06	1.000	43.57		1.000		YES			0.0310	
97	97 PCB-128	7.05e5	1.58	NO	1.17	1.000	45.54	45.54	1.000	1.000	NO	48.02		0.0296	48.02
98	98 PCB-155	4.07e5	1.28	NO	1.04	1.000	37.01	37.01	1.000	1.001	NO	56.82		0.0303	56.82
99	99 PCB-150			NO	1.08	1.000	38.33		1.036		YES			0.0292	
100	1... PCB-152			NO	1.19	1.000	38.82		1.049		YES			0.0266	
101	1... PCB-145			NO	1.19	1.000	39.29		1.062		YES			0.0266	
102	1... PCB-136			NO	1.02	1.000	39.82		1.071		YES			0.0309	
103	1... PCB-148			NO	0.842	1.000	39.73		1.074		YES			0.0375	
104	1... PCB-154			NO	0.919	1.000	40.23		1.067		YES			0.0344	

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#	Name	Comp	RA	Qty	RRP	w/Vol	Prod RT	RT	Prod FL	RRT	Check RRT	Comp	%Rec	DL	EMPC
105	1... PCB-151			NO	0.787	1.000	40.90		1.105		YES			0.0402	
106	1... PCB-135			NO	0.922	1.000	41.13		1.112		YES			0.0343	
107	1... PCB-144			NO	0.789	1.000	41.24		1.115		YES			0.0400	
108	1... PCB-147			NO	0.834	1.000	41.37		1.118		YES			0.0379	
109	1... PCB-139/149	2.83e5	1.29	NO	0.948	1.000	41.64	41.61	1.125	1.125	NO	43.47		0.0333	43.47
110	1... PCB-140			NO	0.794	1.000	41.64		1.131		YES			0.0398	
111	1... PCB-134/143			NO	0.759	1.000	42.29		0.975		YES			0.0574	
112	1... PCB-131/133			NO	0.821	1.000	42.59		0.982		YES			0.0531	
113	1... PCB-142			NO	0.754	1.000	42.74		0.985		YES			0.0578	
114	1... PCB-146/165			NO	1.02	1.000	42.98		0.991		YES			0.0429	
115	1... PCB-132/161			NO	1.02	1.000	43.22		0.998		YES			0.0425	
116	1... PCB-153	5.68e5	1.23	NO	1.07	1.000	43.40	43.40	1.000	1.000	NO	46.28		0.0407	46.28
117	1... PCB-168			NO	1.08	1.000	43.63		1.006		YES			0.0404	
118	1... PCB-141			NO	1.03	1.000	44.16		1.000		YES			0.0508	
119	1... PCB-137			NO	1.11	1.000	44.56		1.010		YES			0.0468	
120	1... PCB-130			NO	0.885	1.000	44.66		1.012		YES			0.0587	
121	1... PCB-138/163/164	4.98e5	1.23	NO	1.28	1.000	45.05	45.03	1.001	1.000	NO	38.87	36.9	0.0393	38.87
122	1... PCB-158/160			NO	1.24	1.000	45.30		1.006		YES			0.0407	
123	1... PCB-129			NO	0.867	1.000	45.56		1.012		YES			0.0582	
124	1... PCB-166			NO	1.14	1.000	46.02		0.993		YES			0.0372	
125	1... PCB-159			NO	1.22	1.000	46.36		1.000		YES			0.0350	
126	1... PCB-128/162	6.25e5	1.23	NO	0.907	1.000	46.64	46.66	1.007	1.007	NO	57.08		0.0469	57.08
127	1... PCB-167	6.67e5	1.24	NO	1.11	1.000	47.06	47.06	1.000	1.000	NO	50.25		0.0377	50.25
128	1... PCB-156	5.92e5	1.21	NO	1.13	1.000	48.39	48.38	1.000	1.000	NO	46.00		0.0392	46.00
129	1... PCB-157	6.60e5	1.23	NO	1.04	1.000	46.69	48.67	1.001	1.000	NO	55.54		0.0434	55.54
130	1... PCB-169	5.71e5	1.25	NO	1.16	1.000	50.94	50.94	1.000	1.000	NO	45.51		0.0426	45.51
131	1... PCB-188	6.25e5	1.04	NO	1.29	1.000	43.04	43.02	1.001	1.000	NO	51.05		0.0525	51.05
132	1... PCB-184			NO	1.23	1.000	43.49		1.011		YES			0.0550	
133	1... PCB-179			NO	1.30	1.000	44.29		1.030		YES			0.0522	
134	1... PCB-176			NO	1.31	1.000	44.76		1.041		YES			0.0518	
135	1... PCB-188			NO	1.33	1.000	45.41		1.056		YES			0.0510	
136	1... PCB-178	4.35e5	1.04	NO	0.943	1.000	45.92	45.90	1.088	1.067	NO	48.56		0.0718	48.56
137	1... PCB-175			NO	0.956	1.000	46.26		1.076		YES			0.0708	
138	1... PCB-182/187	4.62e5	1.05	NO	1.07	1.000	46.44	48.43	1.080	1.080	NO	45.61		0.0635	45.61
139	1... PCB-183			NO	1.02	1.000	46.76		1.088		YES			0.0662	
140	1... PCB-185			NO	1.41	1.000	47.44		0.955		YES			0.0779	

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#	Name	Deep	RA	rv	RRF	u/val	PreLRT	RT	PreLR	RRT	Check RRT	Comp	ND	DI	EMPC
141	1... PCB-174	4.07e5	1.04	NO	1.35	1.000	47.82	47.82	0.962	0.962	NO	48.49	75-65	0.0809	48.49
142	1... PCB-181			NO	1.47	1.000	47.91		0.964		YES			0.0743	
143	1... PCB-177			NO	1.28	1.000	48.10		0.968		YES			0.0857	
144	1... PCB-171			NO	1.32	1.000	48.38		0.974		YES			0.0832	
145	1... PCB-173			NO	1.19	1.000	48.84		0.963		YES			0.0921	
146	1... PCB-172			NO	1.38	1.000	49.29		0.992		YES			0.0797	
147	1... PCB-192			NO	1.83	1.000	49.48		0.996		YES			0.0800	
148	1... PCB-180	4.72e5	1.03	NO	1.41	1.000	49.71	49.71	1.000	1.000	NO	53.98		0.0776	53.98
149	1... PCB-193			NO	1.68	1.000	49.92		1.005		YES			0.0653	
150	1... PCB-191			NO	1.71	1.000	50.18		1.010		YES			0.0641	
151	1... PCB-170	3.70e5	1.03	NO	1.40	1.000	51.38	51.38	1.000	1.000	NO	49.87		0.0889	49.87
152	1... PCB-190			NO	1.85	1.000	51.56		1.004		YES			0.0673	
153	1... PCB-189	4.84e5	1.02	NO	1.45	1.000	53.10	53.10	1.000	1.000	NO	48.57		0.0563	48.57
154	1... PCB-202	4.00e5	0.90	NO	1.17	1.000	48.63	48.61	1.001	1.000	NO	48.62		0.0325	48.62
155	1... PCB-201			NO	1.05	1.000	49.10		1.010		YES			0.0361	
156	1... PCB-204			NO	1.14	1.000	49.26		1.014		YES			0.0333	
157	1... PCB-197			NO	1.13	1.000	49.58		1.020		YES			0.0335	
158	1... PCB-200	3.56e5	0.90	NO	1.07	1.000	50.51	50.53	1.039	1.040	NO	47.30		0.0355	47.30
159	1... PCB-198			NO	0.794	1.000	52.08		1.072		YES			0.0478	
160	1... PCB-199			NO	0.809	1.000	52.19		1.074		YES			0.0469	
161	1... PCB-196/203	2.68e5	0.89	NO	0.838	1.000	52.52	52.51	1.081	1.081	NO	45.47		0.0453	45.47
162	1... PCB-195	3.17e5	0.91	NO	1.04	1.000	53.80	53.81	0.964	0.984	NO	50.09		0.113	50.09
163	1... PCB-194	3.10e5	0.87	NO	1.12	1.000	54.72	54.72	1.000	1.000	NO	45.83		0.106	45.83
164	1... PCB-205	3.70e5	0.90	NO	1.29	1.000	54.98	54.99	1.005	1.005	NO	47.35		0.0916	47.35
165	1... PCB-208	3.79e5	1.33	NO	0.933	1.000	53.96	53.95	1.000	1.000	NO	49.81		0.0505	49.81
166	1... PCB-207			NO	0.916	1.000	54.27		1.006		YES			0.0515	
167	1... PCB-206	2.04e5	1.31	NO	1.01	1.000	56.25	56.25	1.000	1.000	NO	47.01		0.0860	47.01
168	1... PCB-209	1.50e5	1.19	NO	0.986	1.000	57.48	57.49	1.000	1.000	NO	52.18	41	0.0103	52.18
169	1... 13C-PCB-1	2.21e6	3.38	NO	0.893	1.000	15.52	15.52	0.608	0.608	NO	101.9	102	0.0672	
170	1... 13C-PCB-3	2.27e6	3.33	NO	0.911	1.000	18.17	18.17	0.712	0.712	NO	102.6	103	0.0859	
171	1... 13C-PCB-4	1.48e6	1.57	NO	0.600	1.000	19.52	19.53	0.765	0.785	NO	101.3	101	0.0291	
172	1... 13C-PCB-9	2.39e6	1.58	NO	0.970	1.000	21.35	21.35	0.836	0.836	NO	101.7	102	0.0180	
173	1... 13C-PCB-11	2.32e6	1.58	NO	0.962	1.000	24.79	24.80	0.971	0.972	NO	99.61	99.6	0.0182	
174	1... 13C-PCB-19	1.24e6	1.04	NO	0.499	1.000	23.76	23.76	0.931	0.931	NO	102.7	103	0.414	
175	1... 13C-PCB-32	1.82e6	1.03	NO	0.744	1.000	26.75	26.76	1.048	1.048	NO	100.7	101	0.278	
176	1... 13C-PCB-28	2.08e6	1.02	NO	1.08	1.000	28.77	28.77	1.004	1.004	NO	99.64	99.6	0.289	

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-7.qld

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Printed: Tuesday, June 02, 2020 11:37:29 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

#	Name	Resp	RA	WY	RRP	w/w	Prod RT	RT	Prod LR	RRT	Check RRT	Conc	%Rec	DI	EMPC
177	1... 13C-PCB-37	1.86e6	1.04	NO	0.989	1.000	32.75	32.77	1.143	1.143	NO	95.79	95.8	0.289	
178	1... 13C-PCB-54	1.81e6	0.80	NO	0.999	1.000	27.63	27.62	0.753	0.753	NO	101.4	101	0.0659	
179	1... 13C-PCB-52	1.29e6	0.77	NO	0.804	1.000	31.27	31.26	0.852	0.852	NO	100.5	100	0.0819	
180	1... 13C-PCB-47	1.39e6	0.78	NO	0.857	1.000	31.79	31.78	0.866	0.866	NO	102.0	102	0.0768	
181	1... 13C-PCB-70	1.59e6	0.79	NO	0.996	1.000	35.43	35.41	0.985	0.985	NO	100.3	100	0.0661	
182	1... 13C-PCB-80	1.61e6	0.78	NO	1.03	1.000	35.65	35.84	0.977	0.977	NO	98.54	98.5	0.0640	
183	1... 13C-PCB-81	1.53e6	0.78	NO	0.988	1.000	39.06	39.04	1.064	1.064	NO	97.41	97.4	0.0666	
184	1... 13C-PCB-77	1.50e6	0.79	NO	0.989	1.000	39.68	39.66	1.061	1.061	NO	97.40	97.4	0.0660	
185	1... 13C-PCB-104	1.11e6	1.63	NO	1.02	1.000	32.47	32.46	0.827	0.827	NO	100.9	101	0.0381	
186	1... 13C-PCB-95	8.62e5	1.64	NO	0.805	1.000	35.72	35.73	0.910	0.910	NO	99.28	99.3	0.0481	
187	1... 13C-PCB-101	8.44e5	1.64	NO	0.793	1.000	37.48	37.46	0.954	0.954	NO	98.77	98.8	0.0489	
188	1... 13C-PCB-97	7.45e5	1.65	NO	0.696	1.000	38.82	38.62	0.989	0.989	NO	99.17	99.2	0.0557	
189	1... 13C-PCB-123	1.01e6	1.67	NO	0.933	1.000	41.46	41.46	1.056	1.056	NO	99.89	99.9	0.0416	
190	1... 13C-PCB-118	1.03e6	1.62	NO	0.986	1.000	41.85	41.85	1.061	1.061	NO	97.34	97.3	0.0393	
191	1... 13C-PCB-114	1.25e6	1.55	NO	1.55	1.000	42.32	42.32	0.908	0.908	NO	94.22	94.2	0.0809	
192	1... 13C-PCB-105	1.28e6	1.56	NO	1.57	1.000	43.21	43.21	0.927	0.927	NO	95.20	95.2	0.0796	
193	1... 13C-PCB-127	1.30e6	1.56	NO	1.62	1.000	43.56	43.55	0.934	0.934	NO	93.64	93.6	0.0770	
194	1... 13C-PCB-126	1.25e6	1.58	NO	1.57	1.000	45.53	45.52	0.976	0.976	NO	93.40	93.4	0.0798	
195	1... 13C-PCB-155	6.87e5	1.29	NO	0.615	1.000	37.00	37.00	0.942	0.942	NO	103.6	104	0.0326	
196	1... 13C-PCB-153	1.15e6	1.24	NO	1.36	1.000	43.37	43.38	0.930	0.931	NO	98.32	98.3	0.0878	
197	1... 13C-PCB-141	9.61e5	1.27	NO	1.13	1.000	44.14	44.14	0.947	0.947	NO	99.66	99.7	0.106	
198	1... 13C-PCB-138	9.99e5	1.26	NO	1.18	1.000	45.01	45.01	0.985	0.985	NO	96.63	96.6	0.101	
199	1... 13C-PCB-159	1.21e6	1.26	NO	1.44	1.000	46.33	46.34	0.994	0.994	NO	98.13	98.1	0.0832	
200	2... 13C-PCB-167	1.20e6	1.28	NO	1.44	1.000	47.04	47.04	1.009	1.009	NO	97.25	97.3	0.0832	
201	2... 13C-PCB-156	1.14e6	1.27	NO	1.40	1.000	46.39	46.37	1.038	1.037	NO	95.71	95.7	0.0858	
202	2... 13C-PCB-157	1.14e6	1.27	NO	1.40	1.000	46.65	46.65	1.043	1.043	NO	95.86	95.9	0.0858	
203	2... 13C-PCB-169	1.08e6	1.26	NO	1.33	1.000	50.93	50.92	1.092	1.092	NO	95.29	95.3	0.0900	
204	2... 13C-PCB-188	9.50e5	0.45	NO	1.41	1.000	42.99	43.00	0.926	0.926	NO	100.3	100	0.0865	
205	2... 13C-PCB-180	6.20e5	0.44	NO	0.929	1.000	49.69	49.69	1.070	1.070	NO	99.28	99.3	0.131	
206	2... 13C-PCB-170	5.29e5	0.46	NO	0.794	1.000	51.36	51.38	1.106	1.106	NO	99.16	99.2	0.153	
207	2... 13C-PCB-189	6.86e5	0.46	NO	1.04	1.000	53.06	53.08	1.143	1.143	NO	97.68	97.7	0.117	
208	2... 13C-PCB-202	7.04e5	0.93	NO	1.04	1.000	48.59	48.59	1.046	1.047	NO	101.1	101	0.0796	
209	2... 13C-PCB-194	6.06e5	0.91	NO	0.768	1.000	54.72	54.70	0.995	0.995	NO	99.49	99.5	0.195	
210	2... 13C-PCB-208	6.16e5	0.77	NO	0.991	1.000	53.94	53.94	0.981	0.981	NO	103.8	104	0.137	
211	2... 13C-PCB-206	4.31e5	0.78	NO	0.552	1.000	56.24	56.24	1.023	1.023	NO	98.29	98.3	0.246	
212	2... 13C-PCB-209	2.91e5	1.17	NO	0.396	1.000	57.49	57.48	1.046	1.046	NO	92.65	92.6	0.0202	

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-7.qld

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Printed: Tuesday, June 02, 2020 11:37:29 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

#	Name	Resp	RA	Hy	RFP	wAve	Prod RT	RT	Prod R...	RRT	Check RRT	Conc	%Rec	DL	EMPC
213	2... 13C-PCB-15	2.43e6	1.56	NO	1.00	1.000	25.53	25.53	1.000	0.000	NO	100.0	100	0.0175	
214	2... 13C-PCB-31	1.96e6	1.05	NO	1.00	1.000	28.66	28.66	1.000	0.000	NO	100.0	100	0.286	
215	2... 13C-PCB-60	1.59e6	0.78	NO	1.00	1.000	36.68	36.70	1.000	0.000	NO	100.0	100	0.0658	
216	2... 13C-PCB-111	1.08e6	1.65	NO	1.00	1.000	39.25	39.27	1.000	0.000	NO	100.0	100	0.0388	
217	2... 13C-PCB-128	8.55e5	1.27	NO	1.00	1.000	46.60	46.62	1.000	0.000	NO	100.0	100	0.120	
218	2... 13C-PCB-182	6.72e5	0.47	NO	1.00	1.000	46.43	46.43	0.000	0.000	NO	100.0	100	0.122	
219	2... 13C-PCB-205	7.94e5	0.90	NO	1.00	1.000	54.96	54.98	1.000	0.000	NO	100.0	100	0.149	
220	2... 13C-PCB-79	1.70e6	0.78	NO	1.07	1.000	37.60	37.78	1.030	1.029	NO	100.0	100	0.0616	
221	2... 13C-PCB-178	6.89e5	0.44	NO	0.766	1.000	45.89	45.88	0.988	0.988	NO	105.2	105	0.128	
222	2... 13C-PCB-79	1.70e6	0.78	NO	1.08	1.000	37.78	37.78	0.968	0.968	NO	102.7	103	0.0641	
223	2... 13C-PCB-178	6.89e5	0.44	NO	1.05	1.000	45.87	45.88	0.923	0.923	NO	105.8	106	0.131	

*7-1201*  
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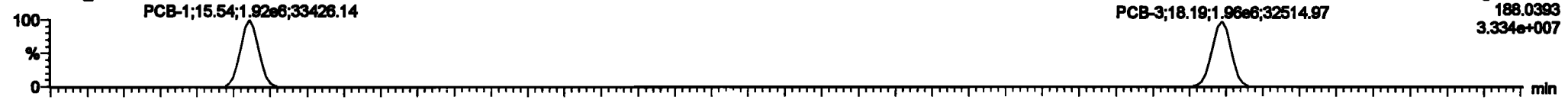
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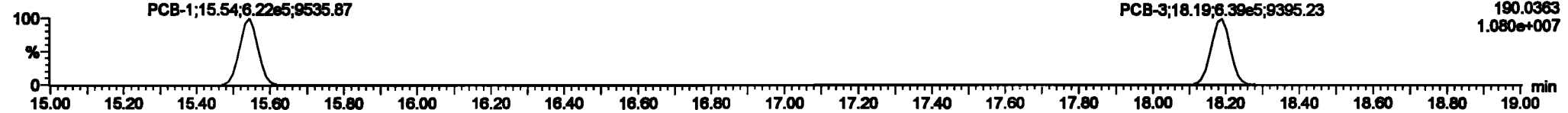
**PCB-1**

200601K1\_7



F1:Voltage SIR,EI+  
188.0393  
3.334e+007

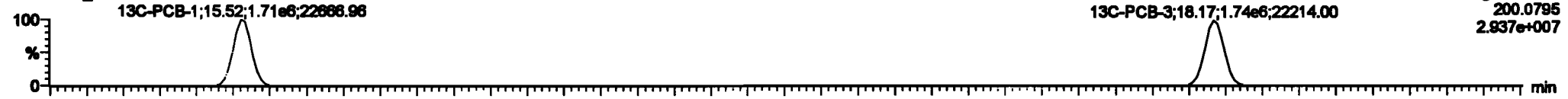
200601K1\_7



F1:Voltage SIR,EI+  
190.0363  
1.080e+007

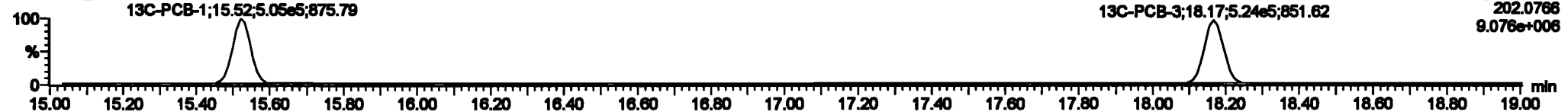
**13C-PCB-1**

200601K1\_7



F1:Voltage SIR,EI+  
200.0795  
2.937e+007

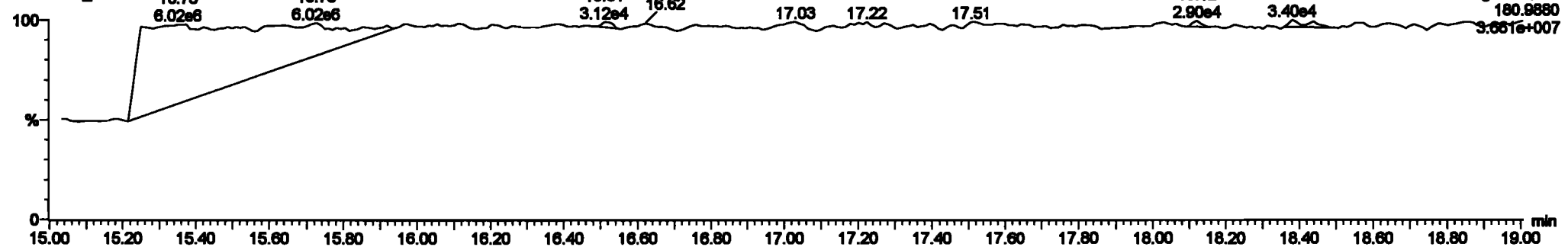
200601K1\_7



F1:Voltage SIR,EI+  
202.0766  
9.076e+006

**PFK1**

200601K1\_7



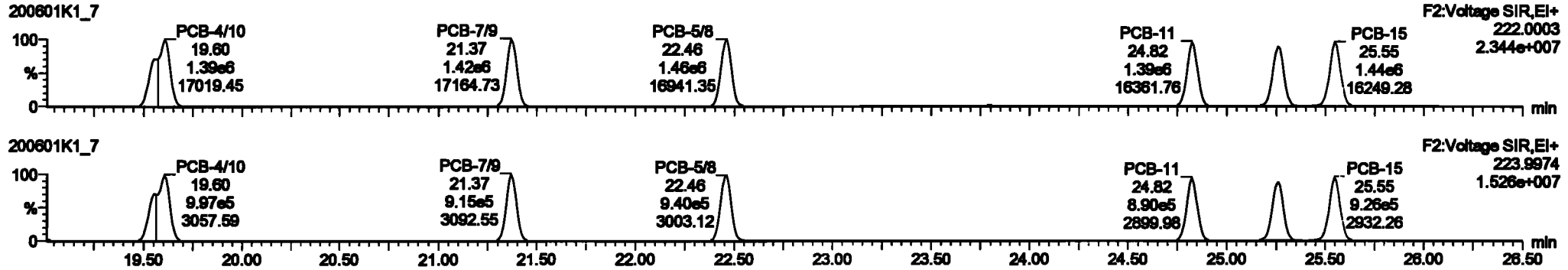
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180.9880  
3.661e+007

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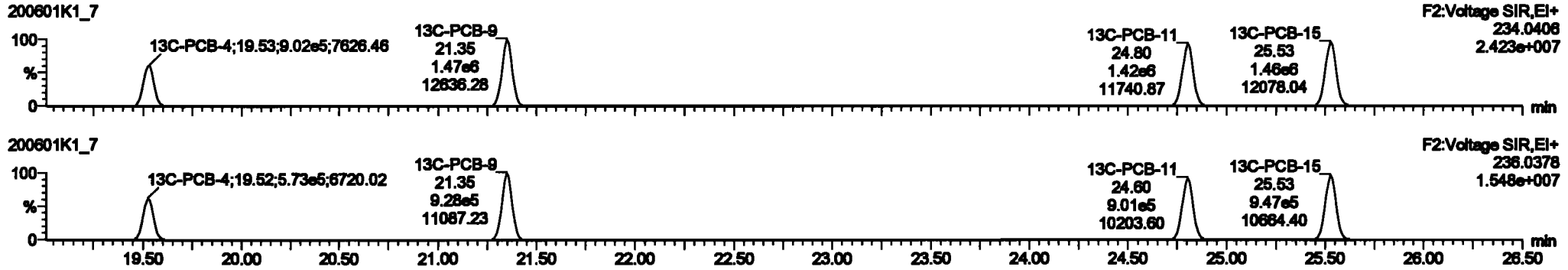
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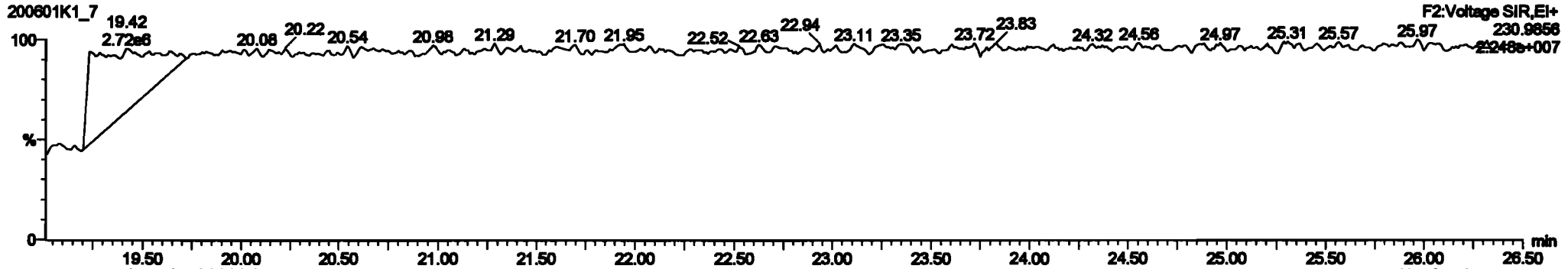
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**13C-PCB-4**



**PFK2a**







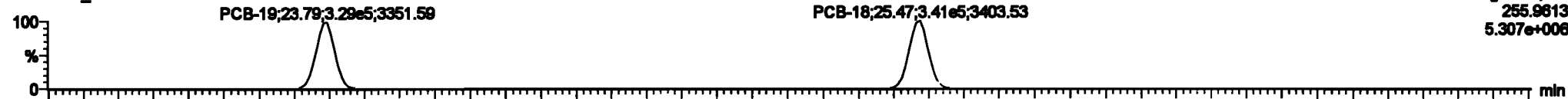
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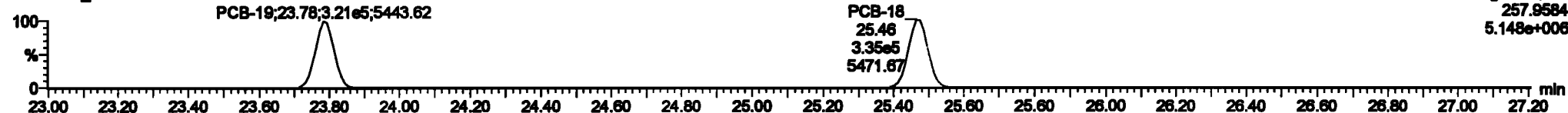
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PCB-19

200601K1\_7

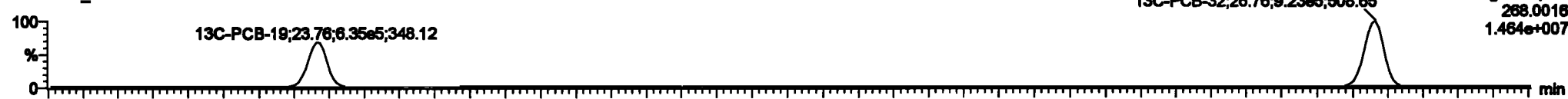


200601K1\_7



13C-PCB-19

200601K1\_7

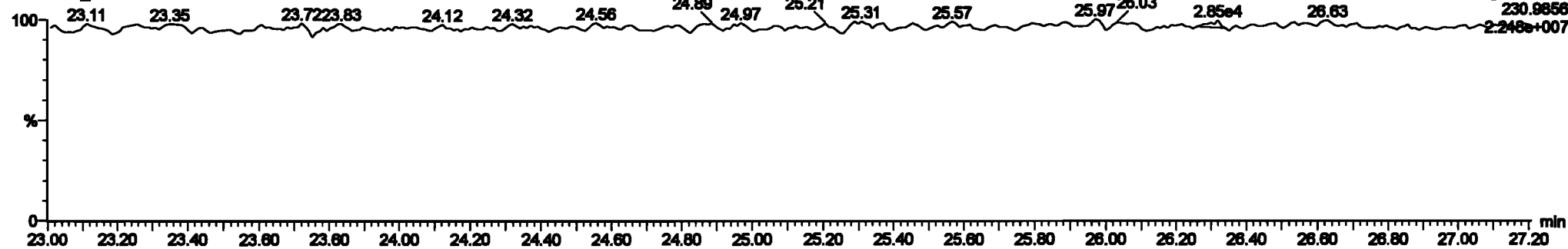


200601K1\_7



PFK2b

200601K1\_7



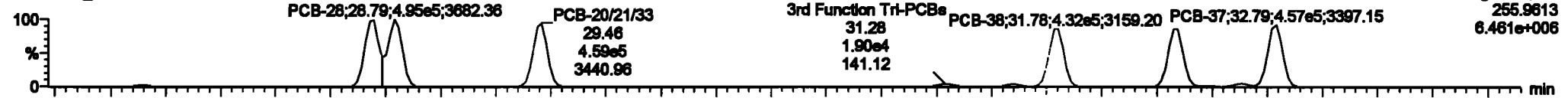
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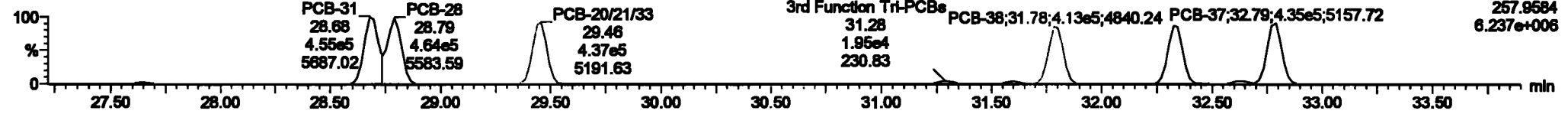
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**PCB-34**

200601K1\_7



200601K1\_7

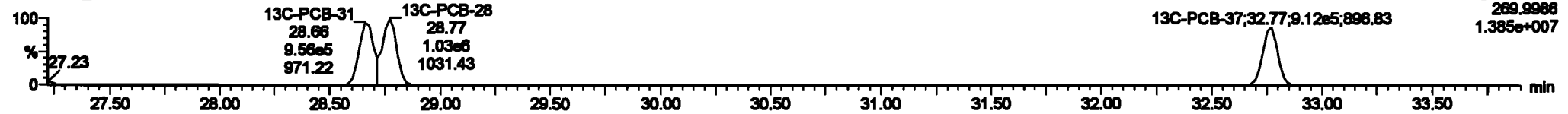


**13C-PCB-28**

200601K1\_7

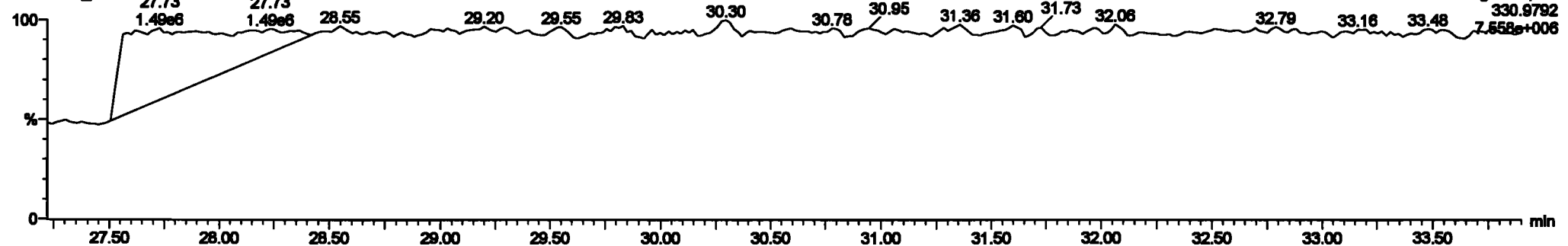


200601K1\_7



**PFK3d**

200601K1\_7

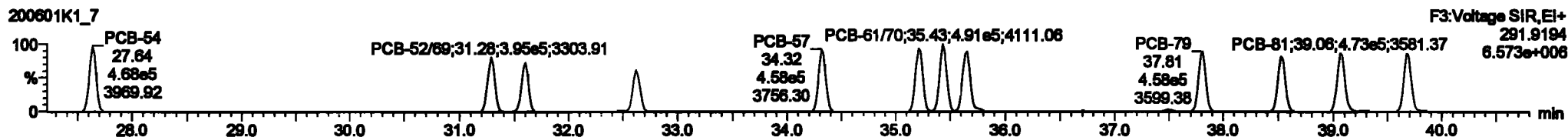
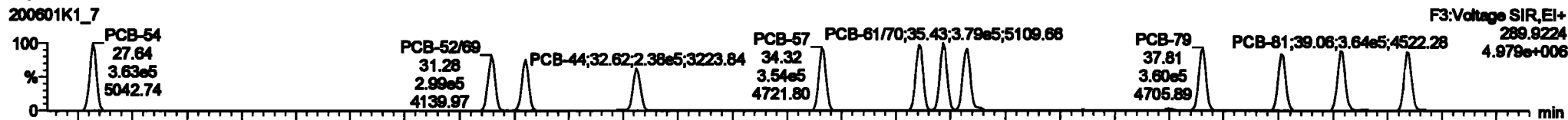


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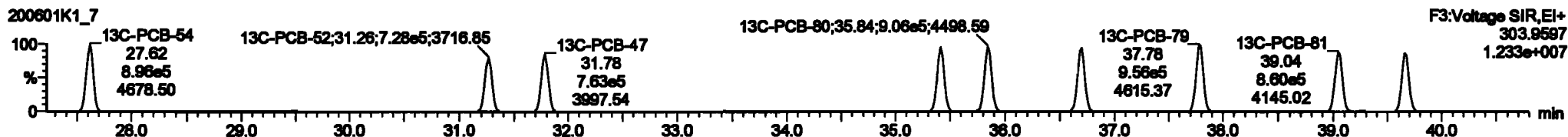
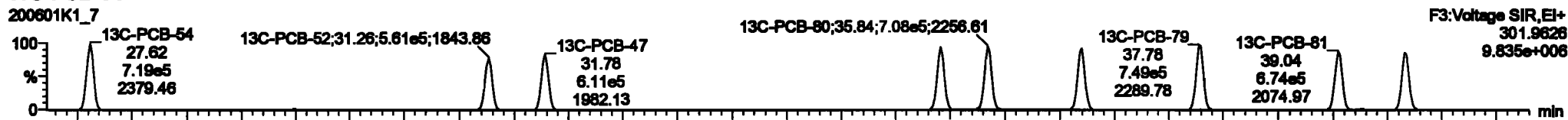
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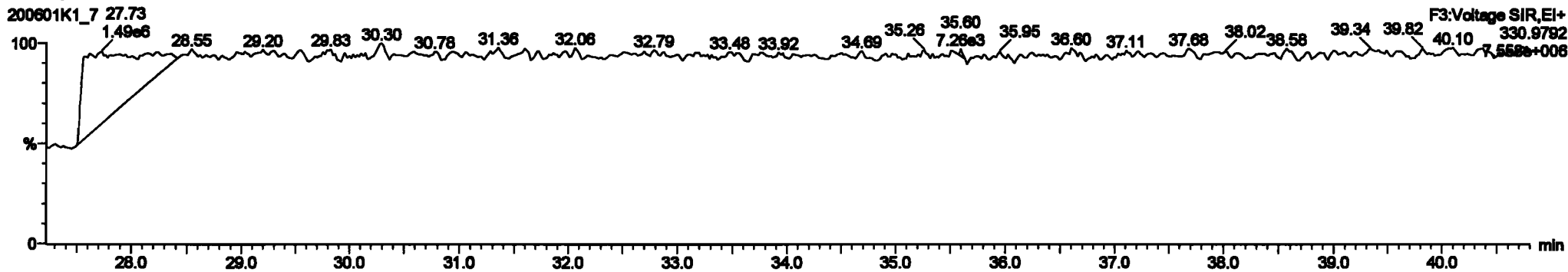
PCB-54



13C-PCB-54



PFK3a



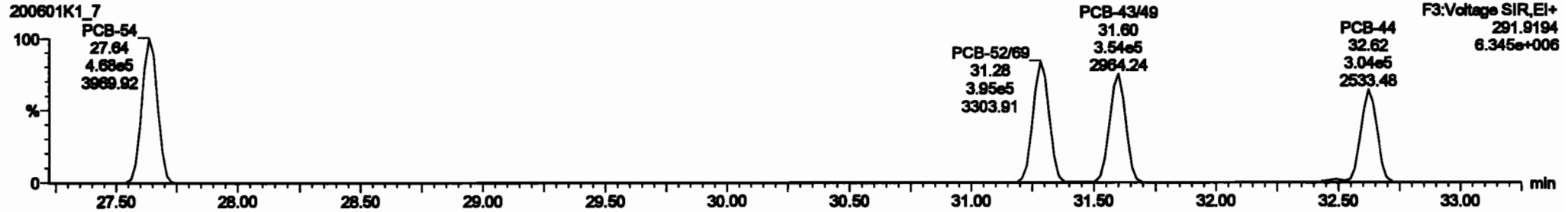
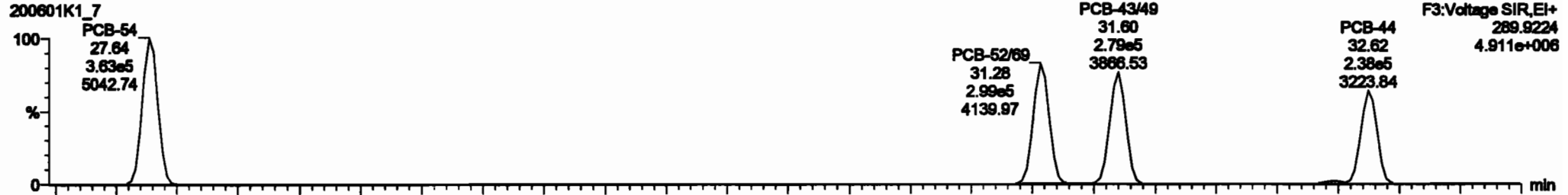
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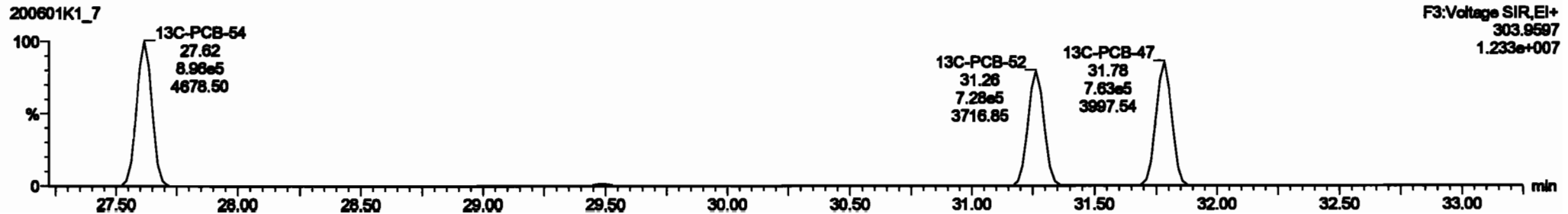
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PCB-50



13C-PCB-52



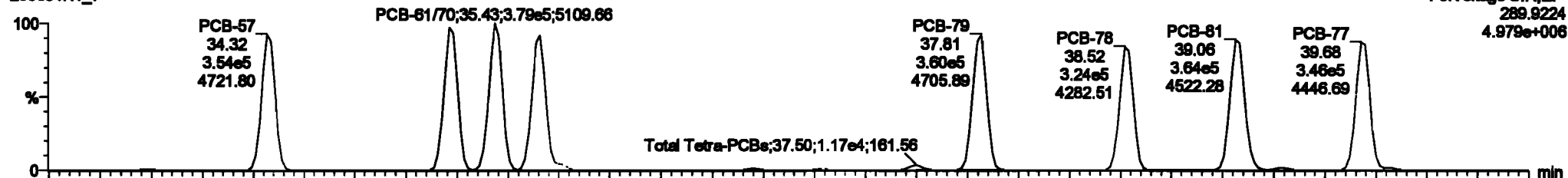
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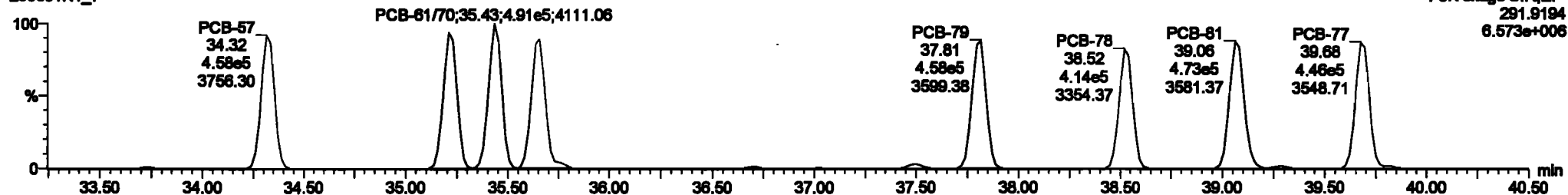
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**PCB-68**

200601K1\_7

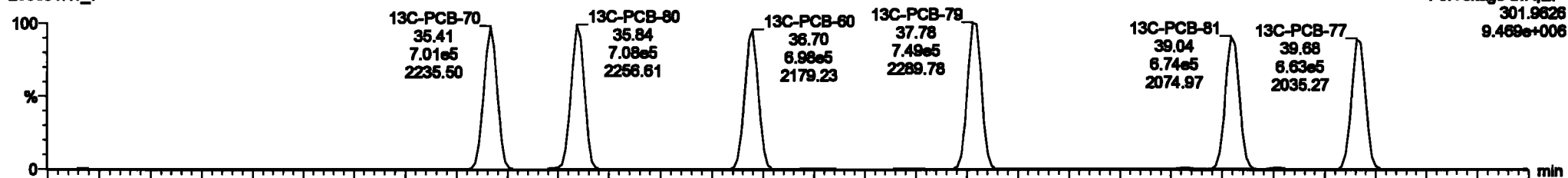


200601K1\_7

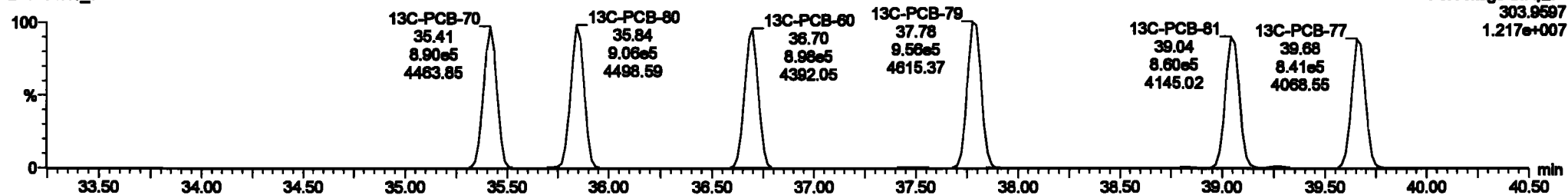


**13C-PCB-60**

200601K1\_7



200601K1\_7



#	Name	Step	BA	Qty	Req'd	Inv'd	Prod.RT	RT	Prod.R	RT	Prod.Pct	Comp.	DL	QTY
217	13C-PCB-128	0.88in	1.27	NO	1.0000	1.000	45.60	45.63	1.000	0.000	NO	100.0	100	0.120
218	13C-PCB-182	0.72in	0.47	NO	1.0000	1.000	45.43	45.43	0.000	0.000	NO	100.0	100	0.122
219	13C-PCB-205	7.84in	0.90	NO	1.0000	1.000	54.95	54.95	1.000	0.000	NO	100.0	100	0.148
220	13C-PCB-78	1.70in	0.70	NO	1.0000	1.000	37.70	37.70	1.000	1.000	NO	100.0	100	0.0815
221	13C-PCB-178	0.88in	0.44	NO	0.7000	1.000	45.89	45.88	0.000	0.000	NO	100.0	100	0.128
222	13C-PCB-78	1.70in	0.70	NO	1.0021	1.000	37.70	37.70	0.000	0.000	NO	100.7	100	0.0841
223	13C-PCB-178	0.88in	0.44	NO	1.0000	1.000	45.87	45.88	0.000	0.000	NO	100.0	100	0.131
224	Total Micro-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	100.0		0.0281 188.0
225	Total D1-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	100.0		0.280 683.3
226	2nd Function 13-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	100.0		0.110 82.73
227	2nd Function 13-PCBs				0.0000	1.000	0.00	0.000	0.000	0.000	NO	200.0		0.311 208.4
228	Total 13-PCBs				4.0000	5.000	0.00	0.000	0.000	0.000	NO	500.0		0.800 1488.0

#	Name	Prod.RT	RT	Lot Range	Lot Range	SP Ratio (Prod)	BA	Qty	QTY	Comp.
1	PCB-64	27.04	27.04	3.820in	4.880in	0.770	0.70	NO	47.874	47.874
2	PCB-68	31.30	31.30	2.885in	3.891in	0.770	0.70	NO	48.220	48.220
3	PCB-43	31.80	31.80	2.760in	3.520in	0.770	0.70	NO	48.317	48.317
4	PCB-44	32.80	32.80	2.570in	3.043in	0.770	0.70	NO	47.188	47.188
5	PCB-67	34.30	34.30	3.880in	4.977in	0.770	0.77	NO	43.838	43.838
6	PCB-74	35.20	35.21	3.730in	4.725in	0.770	0.70	NO	45.028	45.028
7	PCB-81	35.43	35.43	3.780in	4.880in	0.770	0.77	NO	51.834	51.834
8	PCB-70	35.62	35.65	3.891in	4.830in	0.770	0.70	NO	44.671	44.671



Dataset: Untitled

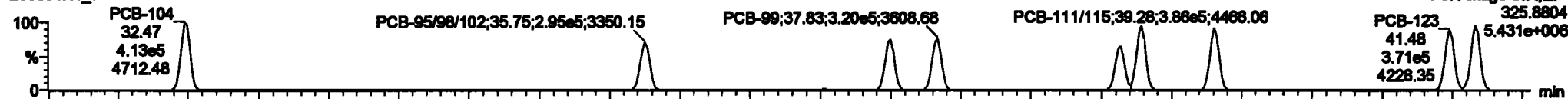
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

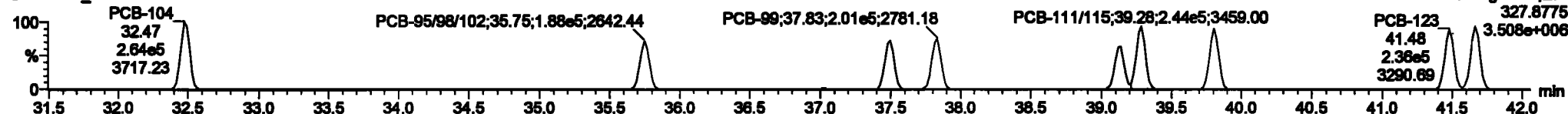
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**PCB-104**

200601K1\_7

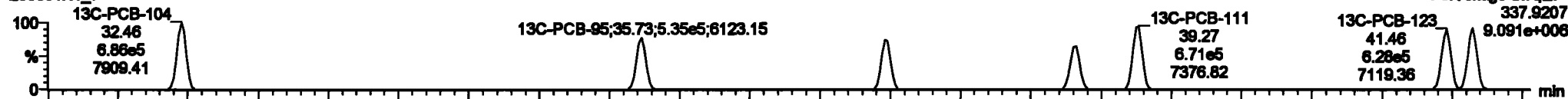


200601K1\_7

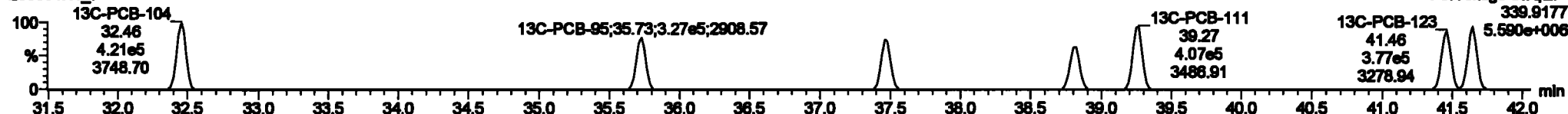


**13C-PCB-104**

200601K1\_7

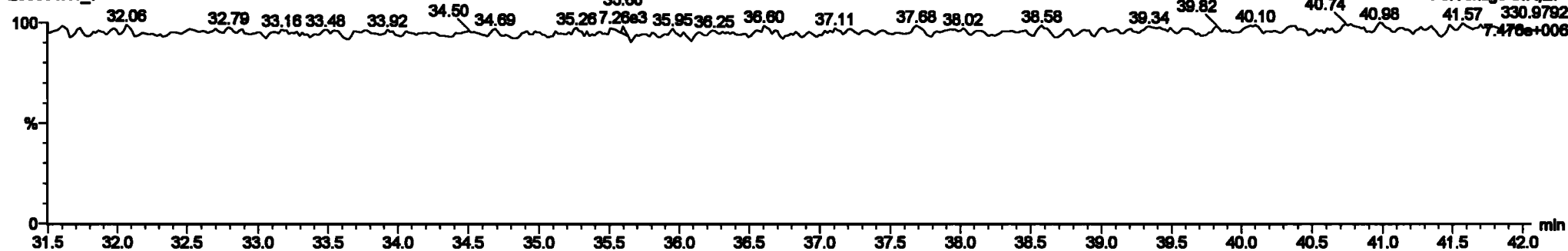


200601K1\_7



**PFK3b**

200601K1\_7





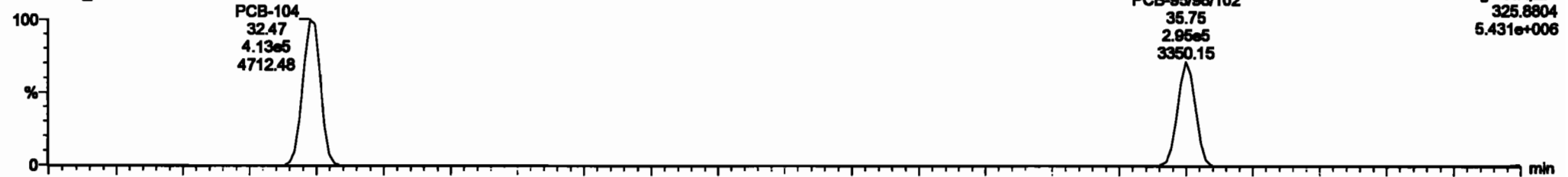
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Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

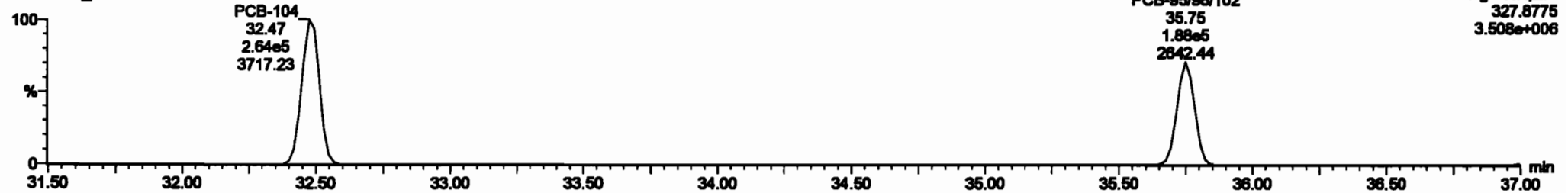
**PCB-96**

200601K1\_7



F3:Voltage SIR,EI+  
325.8804  
5.431e+006

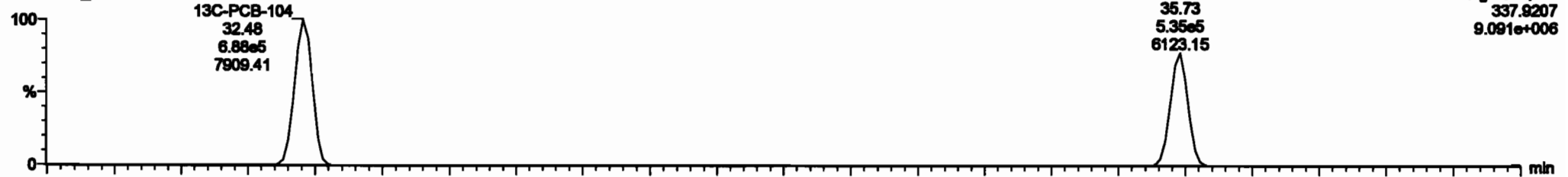
200601K1\_7



F3:Voltage SIR,EI+  
327.8775  
3.508e+006

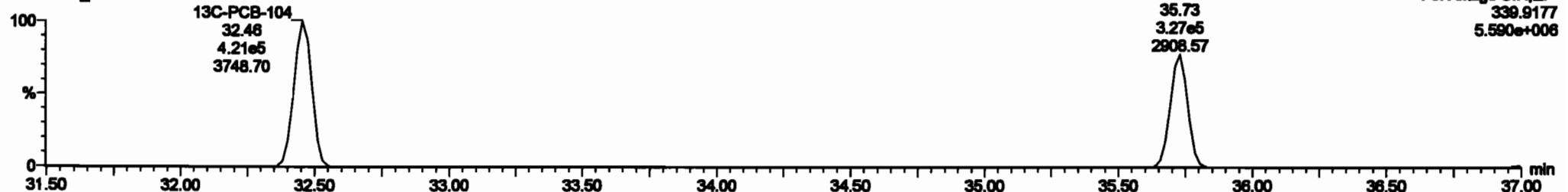
**13C-PCB-95**

200601K1\_7



F3:Voltage SIR,EI+  
337.9207  
9.091e+006

200601K1\_7



F3:Voltage SIR,EI+  
339.9177  
5.590e+006

Dataset: Untitled

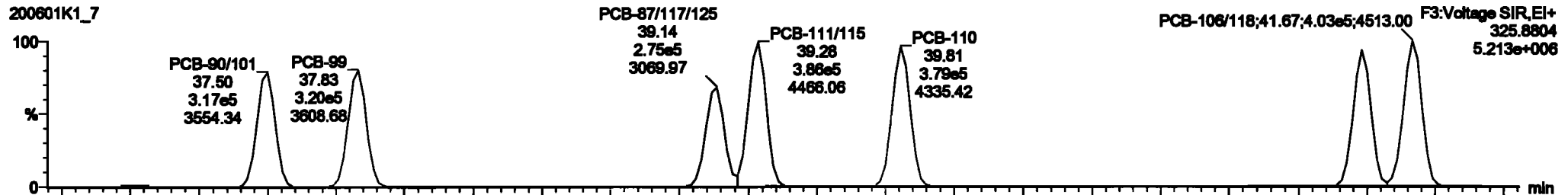
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

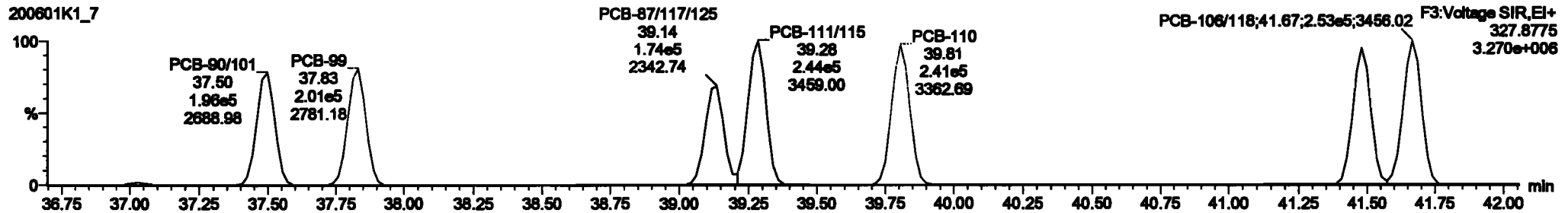
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PCB-119

200601K1\_7

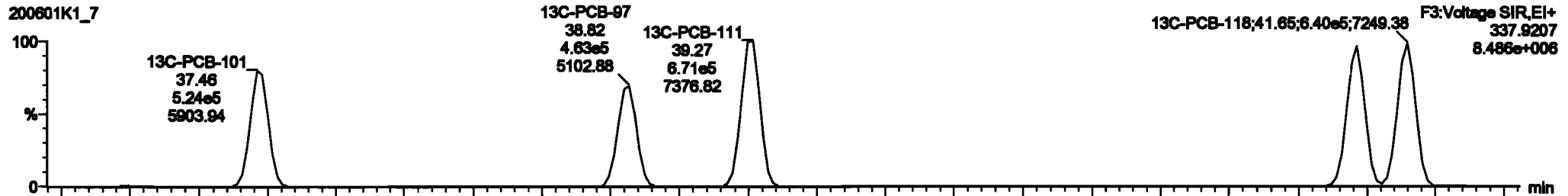


200601K1\_7

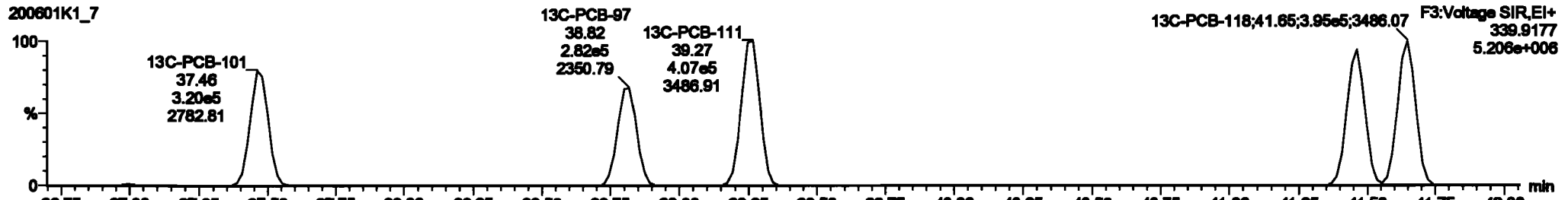


13C-PCB-111

200601K1\_7



200601K1\_7



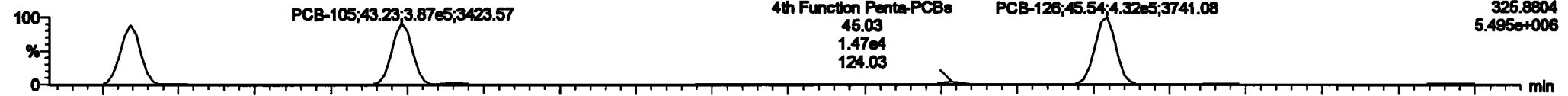
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

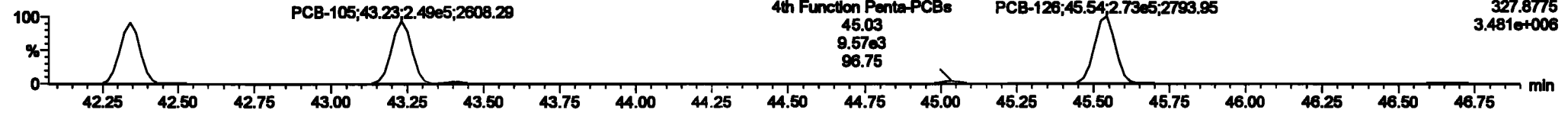
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**PCB-114**

200601K1\_7

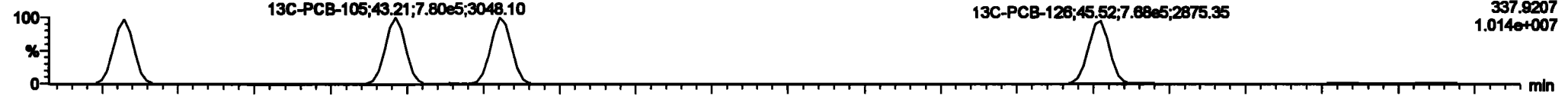


200601K1\_7

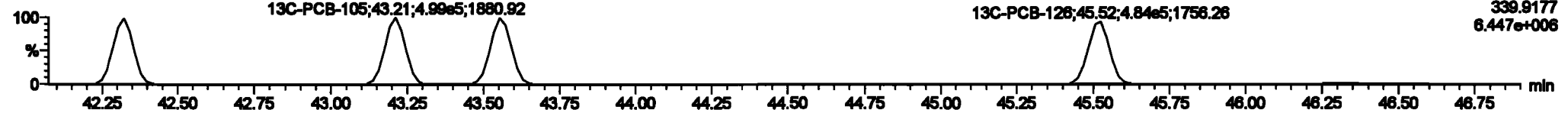


**13C-PCB-114**

200601K1\_7

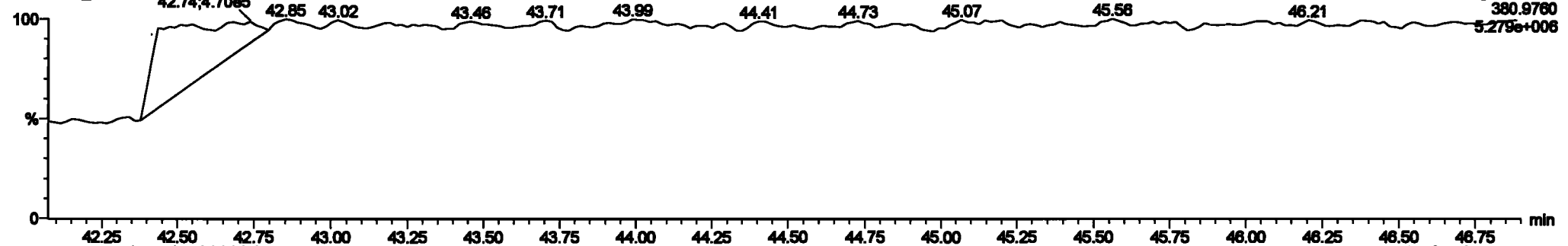


200601K1\_7



**PFK4a**

200601K1\_7



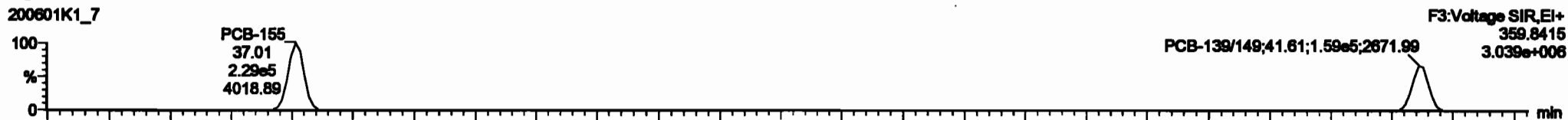
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

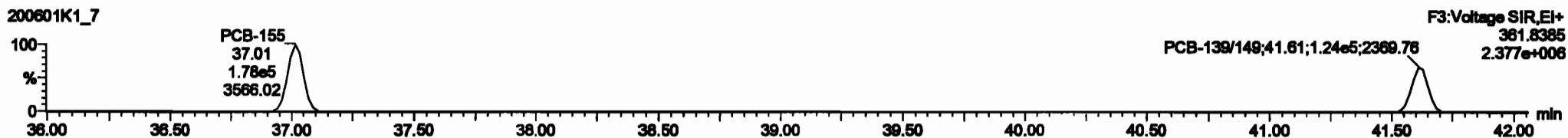
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**PCB-155**

200601K1\_7



200601K1\_7

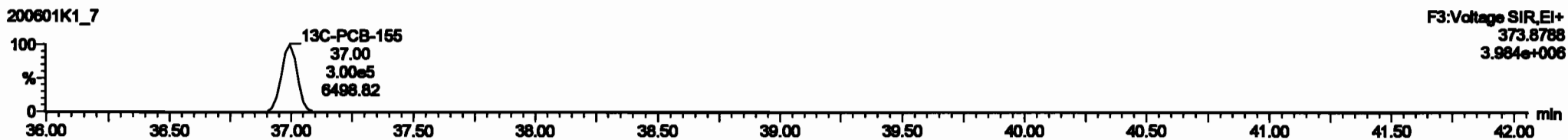


**13C-PCB-155**

200601K1\_7

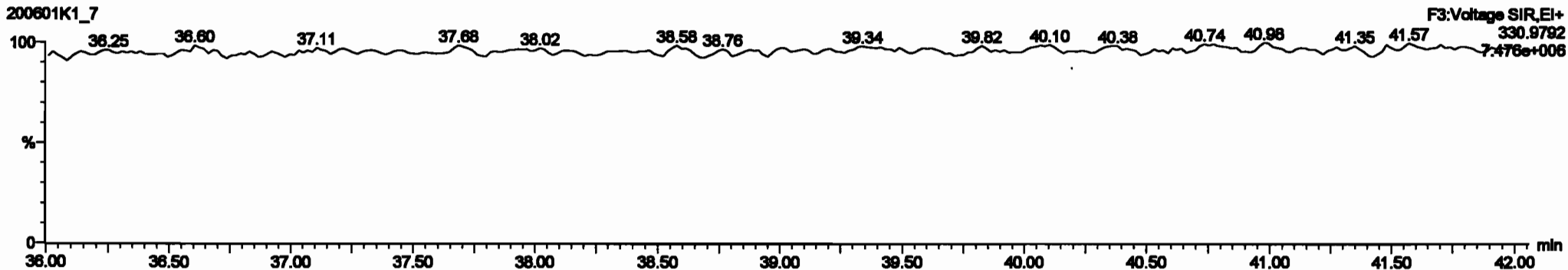


200601K1\_7



**PFK3c**

200601K1\_7

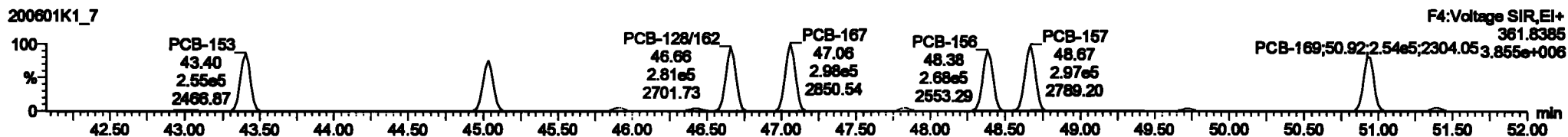
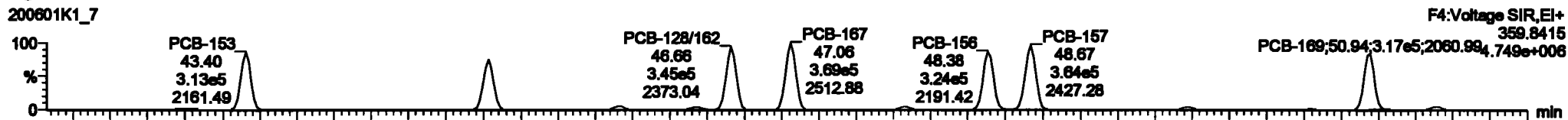


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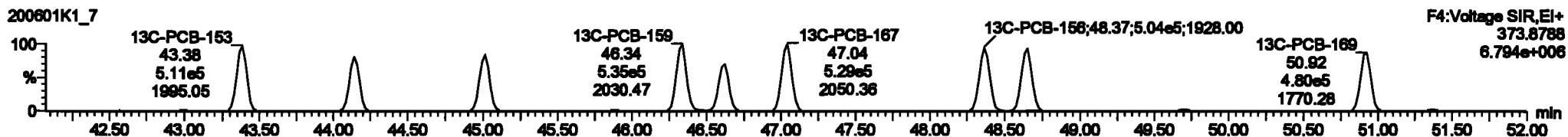
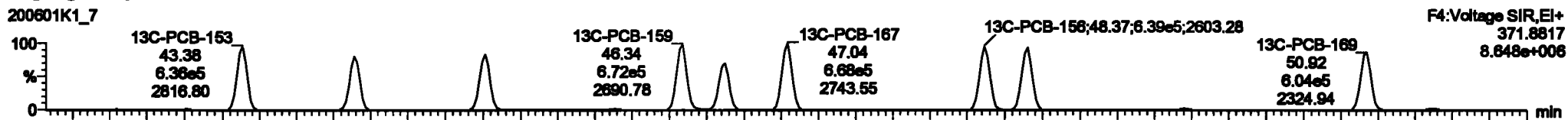
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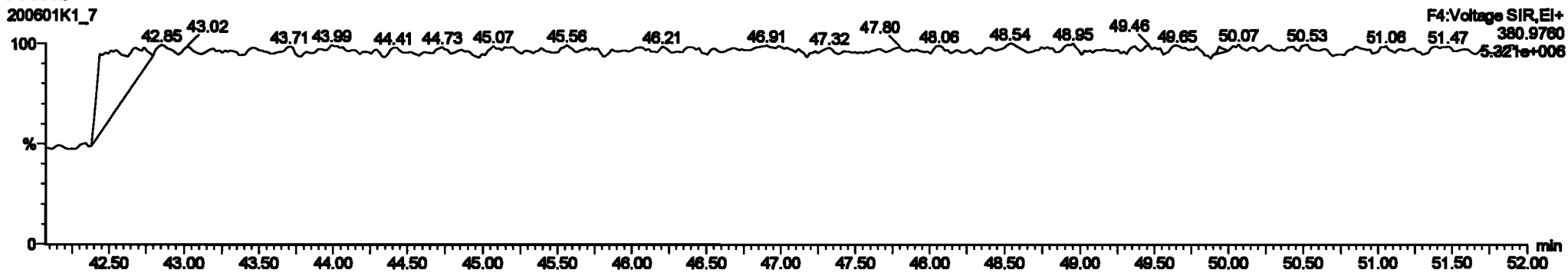
**PCB-134/143**



**13C-PCB-153**



**PFK4b**

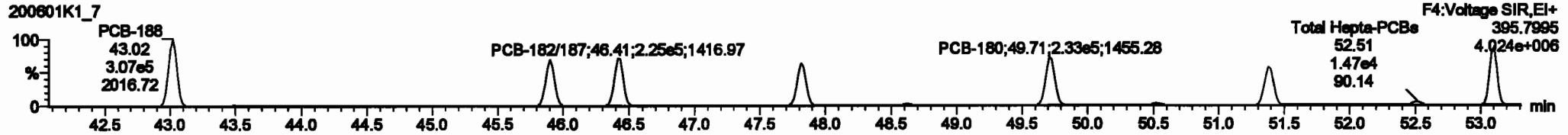
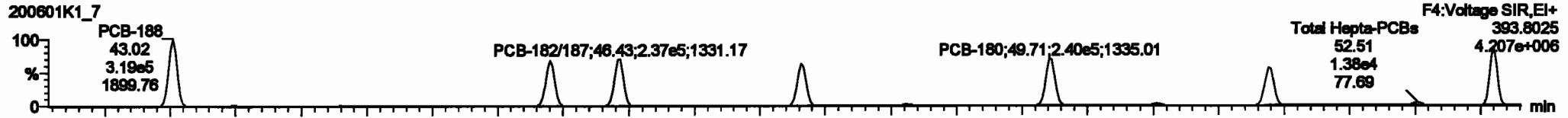


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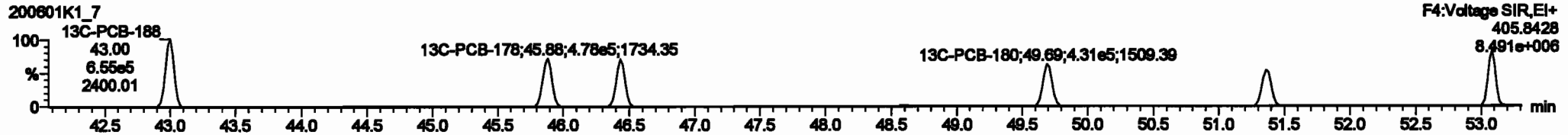
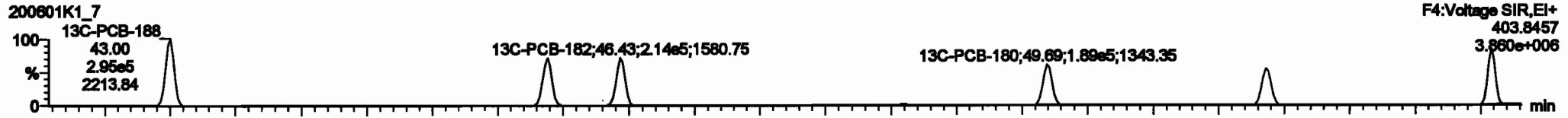
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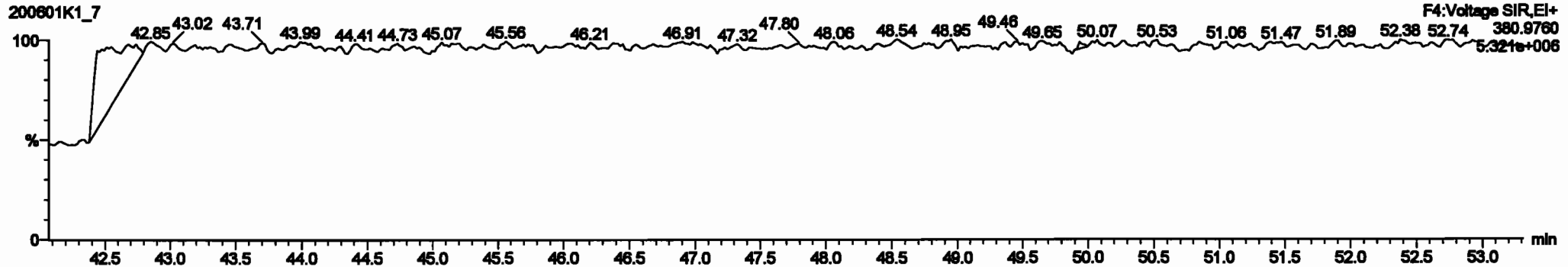
**PCB-188**



**13C-PCB-188**



**PFK4c**



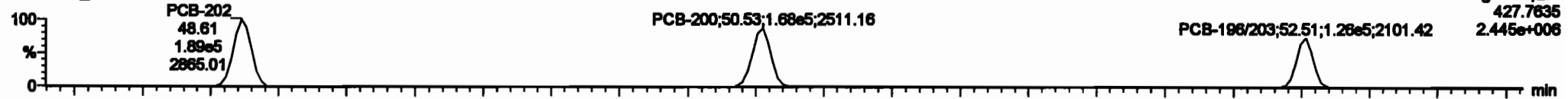
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

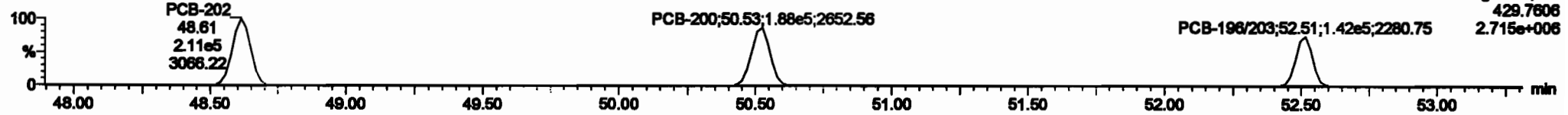
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**PCB-202**

200601K1\_7

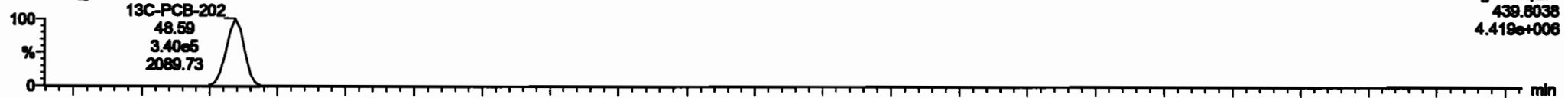


200601K1\_7

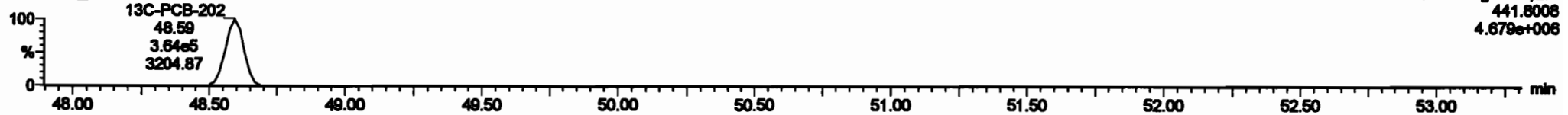


**13C-PCB-202**

200601K1\_7

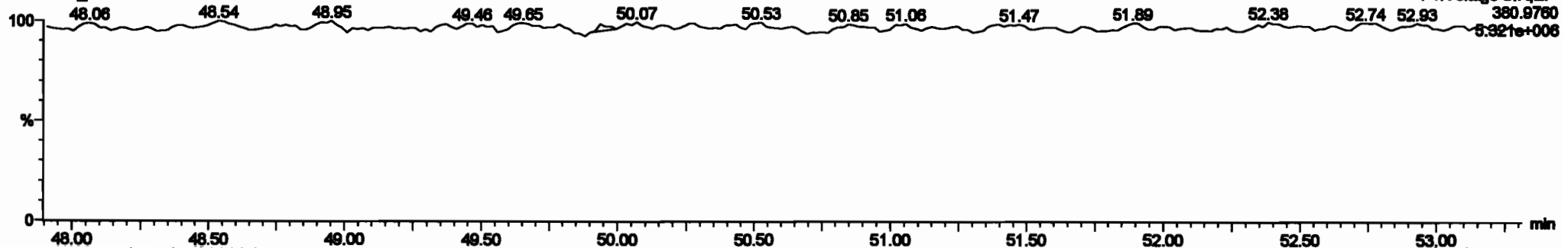


200601K1\_7



**PFK4d**

200601K1\_7



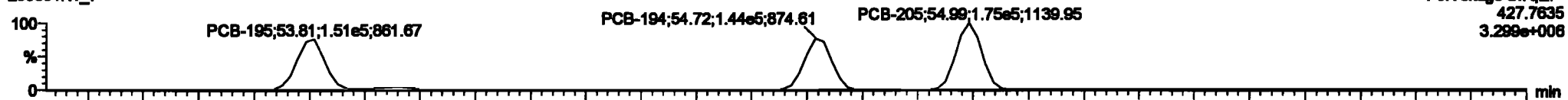
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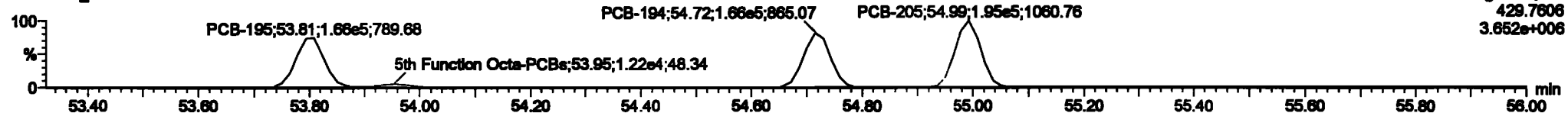
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**PCB-195**

200601K1\_7

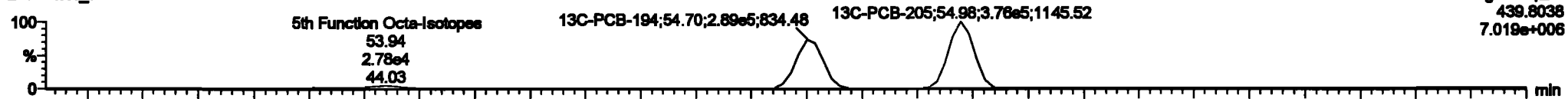


200601K1\_7

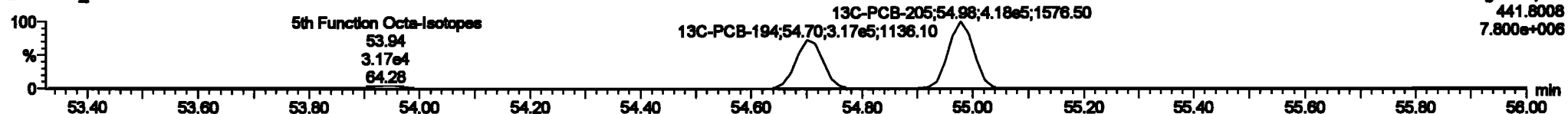


**13C-PCB-194**

200601K1\_7

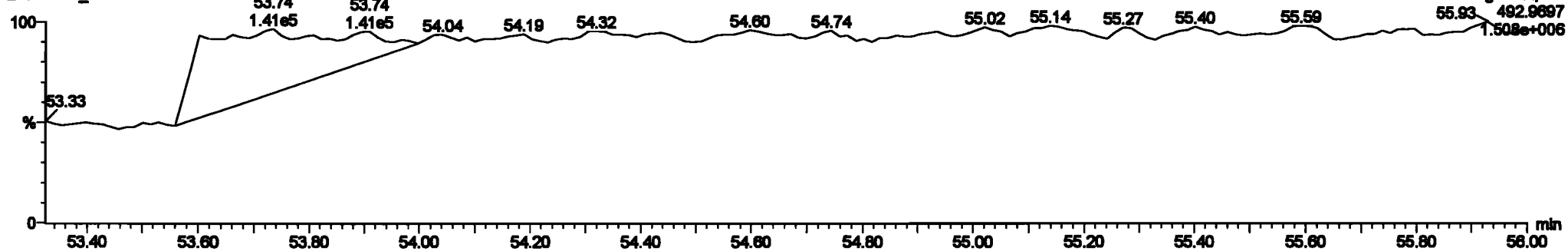


200601K1\_7



**PFK5a**

200601K1\_7





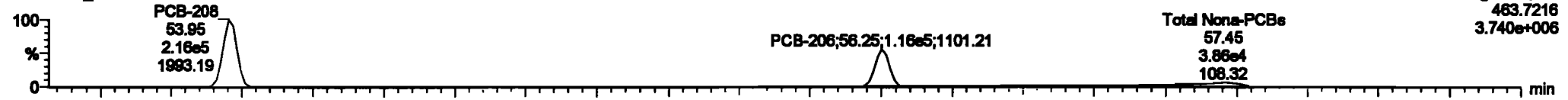
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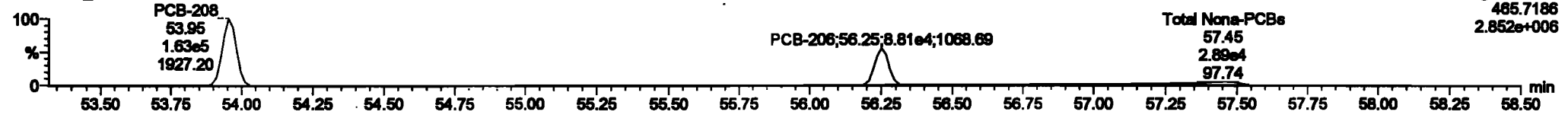
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**PCB-208**

200601K1\_7

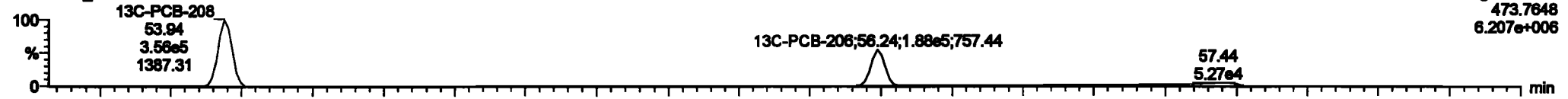


200601K1\_7

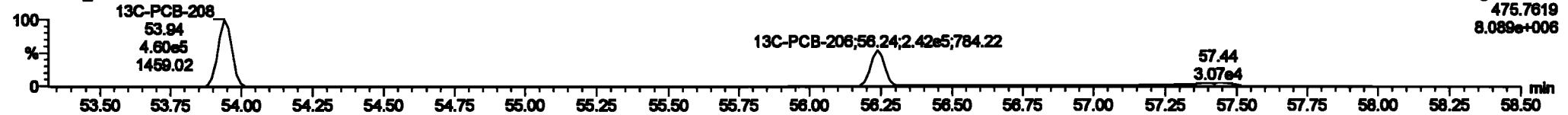


**13C-PCB-208**

200601K1\_7

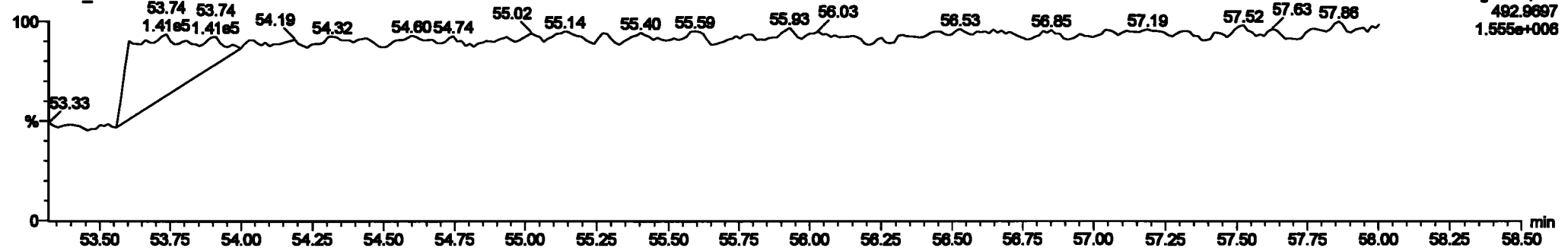


200601K1\_7



**PFK5**

200601K1\_7

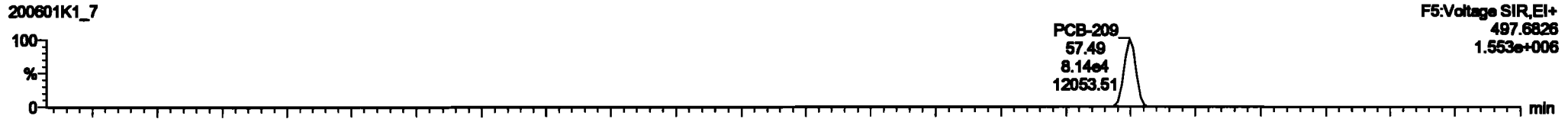


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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

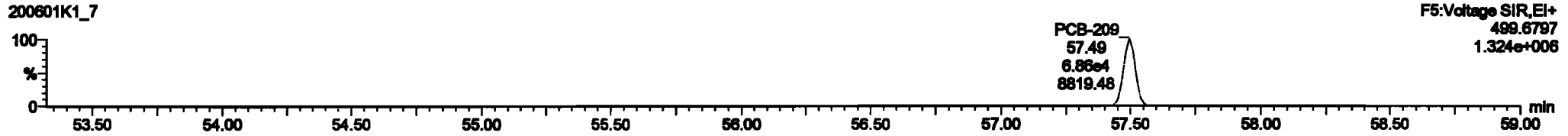
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**PCB-209**  
200601K1\_7



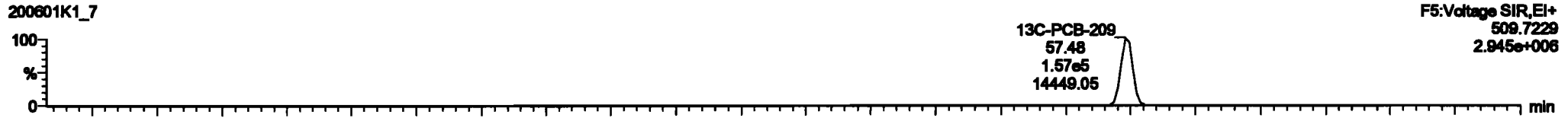
F5:Voltage SIR,EI+  
497.6826  
1.553e+006

200601K1\_7



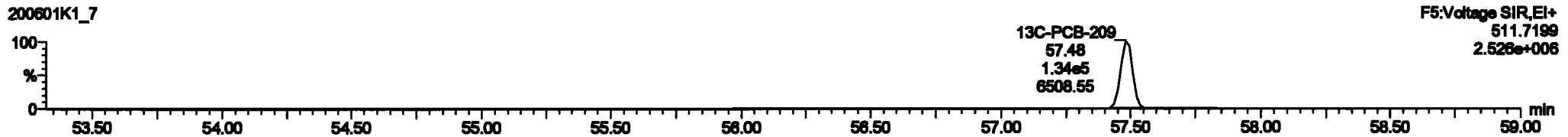
F5:Voltage SIR,EI+  
498.6797  
1.324e+006

**13C-PCB-209**  
200601K1\_7



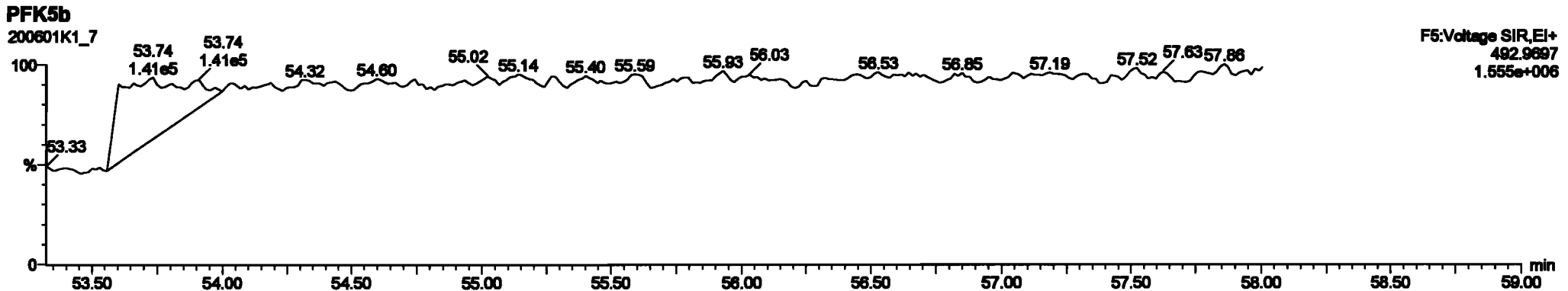
F5:Voltage SIR,EI+  
509.7229  
2.945e+006

200601K1\_7



F5:Voltage SIR,EI+  
511.7199  
2.526e+006

**PFK5b**  
200601K1\_7



F5:Voltage SIR,EI+  
492.9697  
1.555e+006