



July 16, 2020

**Vista Work Order No. 2001133**

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 May 22, 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 Work Order No. 2001133

### Case Narrative

#### Sample Condition on Receipt:

Twenty 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 sample analyses were assigned to Vista Work Order No. 2001131.

#### Analytical Notes:

##### EPA Method 1668C

Samples "PDI-166SC-A-00-01-200520", "PDI-168SC-A-00-01-200520" and "PDI-172SC-A-00-01-200520" were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

##### Holding Times

The samples were 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.

As requested, a duplicate was performed on sample "PDI-166SC-A-00-01-200520". The RPDs outside of the acceptance criteria are noted in bold font.

The labeled standard recoveries outside the method acceptance criteria are listed in the table below:

#### QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
2001133-01	PDI-166SC-A-00-01-200520	EPA Method 1668C	13C-PCB-1	H	177
2001133-01	PDI-166SC-A-00-01-200520	EPA Method 1668C	13C-PCB-3	H	183
2001133-01	PDI-166SC-A-00-01-200520	EPA Method 1668C	13C-PCB-4	H	163
2001133-01	PDI-166SC-A-00-01-200520	EPA Method 1668C	13C-PCB-11	H	176
2001133-01	PDI-166SC-A-00-01-200520	EPA Method 1668C	13C-PCB-9	H	158
2001133-01	PDI-166SC-A-00-01-200520	EPA Method 1668C	13C-PCB-19	H	196
2001133-01	PDI-166SC-A-00-01-200520	EPA Method 1668C	13C-PCB-32	H	202
2001133-01	PDI-166SC-A-00-01-200520	EPA Method 1668C	13C-PCB-209	H	198
2001133-02	PDI-168SC-A-00-01-200520	EPA Method 1668C	13C-PCB-209	H	189
2001133-03	PDI-172SC-A-00-01-200520	EPA Method 1668C	13C-PCB-209	H	168

H = Recovery was outside laboratory acceptance criteria.

## TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	4
Sample Inventory.....	5
Analytical Results.....	6
Qualifiers.....	33
Certifications.....	34
Sample Receipt.....	37
Extraction Information.....	42
Sample Data - EPA Method 1668C.....	48
Continuing Calibration.....	321
Initial Calibration.....	366



# Sample Inventory Report

<b>Vista Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled</b>	<b>Received</b>	<b>Components/Containers</b>
2001133-01	PDI-166SC-A-00-01-200520	DUP20-May-20 08:55	22-May-20 10:00	Amber Glass, 120 mL Amber Glass, 120 mL
2001133-02	PDI-168SC-A-00-01-200520	20-May-20 12:53	22-May-20 10:00	Amber Glass, 120 mL
2001133-03	PDI-172SC-A-00-01-200520	20-May-20 10:51	22-May-20 10:00	Amber Glass, 120 mL

## **ANALYTICAL RESULTS**

**Sample ID: Method Blank**

**EPA Method 1668C**

Matrix: Solid	QC Batch: B0F0004	Lab Sample: B0F0004-BLK1
Sample Size: 5.00 g	Date Extracted: 02-Jun-2020 8:44	Date Analyzed: 17-Jun-20 16:18 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.312			PCB-44	ND	0.511		
PCB-2	ND	0.302			PCB-45	ND	0.506		
PCB-3	ND	0.312			PCB-46	ND	0.523		
PCB-4/10	ND	1.31			PCB-47	ND	0.457		
PCB-5/8	ND	1.04			PCB-48/75	ND	0.376		
PCB-6	ND	1.00			PCB-50	ND	0.397		
PCB-7/9	ND	1.07			PCB-51	ND	0.408		
PCB-11	ND	0.941			PCB-52/69	ND	0.372		
PCB-12/13	ND	1.03			PCB-53	ND	0.436		
PCB-14	ND	1.04			PCB-54	ND	0.324		
PCB-15	ND	1.02			PCB-55	ND	0.295		
PCB-16/32	ND	0.634			PCB-56/60	ND	0.338		
PCB-17	ND	0.774			PCB-57	ND	0.298		
PCB-18	ND	0.718			PCB-58	ND	0.288		
PCB-19	ND	0.743			PCB-61/70	ND	0.329		
PCB-20/21/33	ND	0.481			PCB-62	ND	0.373		
PCB-22	ND	0.466			PCB-63	ND	0.323		
PCB-23	ND	0.513			PCB-65	ND	0.328		
PCB-24/27	ND	0.542			PCB-66/76	ND	0.298		
PCB-25	ND	0.477			PCB-67	ND	0.320		
PCB-26	ND	0.480			PCB-68	ND	0.330		
PCB-28	ND	0.442			PCB-73	ND	0.301		
PCB-29	ND	0.507			PCB-74	ND	0.293		
PCB-30	ND	0.458			PCB-77	ND	0.338		
PCB-31	ND	0.437			PCB-78	ND	0.322		
PCB-34	ND	0.479			PCB-79	ND	0.302		
PCB-35	ND	0.496			PCB-80	ND	0.290		
PCB-36	ND	0.481			PCB-81	ND	0.350		
PCB-37	ND	0.513			PCB-82	ND	0.805		
PCB-38	ND	0.492			PCB-83	ND	0.438		
PCB-39	ND	0.523			PCB-84/92	ND	0.711		
PCB-40	ND	0.699			PCB-85/116	ND	0.569		
PCB-41/64/71/72	ND	0.355			PCB-86	ND	0.718		
PCB-42/59	ND	0.401			PCB-87/117/125	ND	0.515		
PCB-43/49	ND	0.427			PCB-88/91	ND	0.670		

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: B0F0004	Lab Sample: B0F0004-BLK1
Sample Size: 5.00 g	Date Extracted: 02-Jun-2020 8:44	Date Analyzed: 17-Jun-20 16:18 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.654			PCB-137	ND	0.241		
PCB-90/101	ND	0.644			PCB-138/163/164	ND	0.205		
PCB-93	ND	0.763			PCB-139/149	ND	0.508		
PCB-94	ND	0.752			PCB-140	ND	0.607		
PCB-95/98/102	ND	0.592			PCB-141	ND	0.261		
PCB-96	ND	0.472			PCB-142	ND	0.306		
PCB-97	ND	0.626			PCB-144	ND	0.610		
PCB-99	ND	0.547			PCB-145	ND	0.405		
PCB-100	ND	0.572			PCB-146/165	ND	0.227		
PCB-103	ND	0.582			PCB-147	ND	0.577		
PCB-104	ND	0.486			PCB-148	ND	0.572		
PCB-105	ND	0.350			PCB-150	ND	0.444		
PCB-106/118	ND	0.471			PCB-151	ND	0.612		
PCB-107/109	ND	0.469			PCB-152	ND	0.406		
PCB-108/112	ND	0.555			PCB-153	ND	0.215		
PCB-110	ND	0.460			PCB-154	ND	0.524		
PCB-111/115	ND	0.420			PCB-155	ND	0.461		
PCB-113	ND	0.478			PCB-156	ND	0.198		
PCB-114	ND	0.326			PCB-157	ND	0.223		
PCB-119	ND	0.445			PCB-158/160	ND	0.212		
PCB-120	ND	0.400			PCB-159	ND	0.184		
PCB-121	ND	0.417			PCB-166	ND	0.196		
PCB-122	ND	0.394			PCB-167	ND	0.202		
PCB-123	ND	0.525			PCB-168	ND	0.214		
PCB-124	ND	0.450			PCB-169	ND	0.217		
PCB-126	ND	0.340			PCB-170	ND	0.426		
PCB-127	ND	0.333			PCB-171	ND	0.389		
PCB-128/162	ND	0.247			PCB-172	ND	0.373		
PCB-129	ND	0.304			PCB-173	ND	0.431		
PCB-130	ND	0.302			PCB-174	ND	0.379		
PCB-131/133	ND	0.281			PCB-175	ND	0.382		
PCB-132/161	ND	0.225			PCB-176	ND	0.279		
PCB-134/143	ND	0.304			PCB-177	ND	0.401		
PCB-135	ND	0.522			PCB-178	ND	0.387		
PCB-136	ND	0.472			PCB-179	ND	0.282		

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: B0F0004			Lab Sample: B0F0004-BLK1				
Sample Size: 5.00 g		Date Extracted: 02-Jun-2020 8:44			Date Analyzed: 17-Jun-20 16:18 Column: ZB-1				
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND	0.363			Total octaCB	ND		0.590	
PCB-181	ND	0.348			Total nonaCB	ND	0.211		
PCB-182/187	ND	0.343			DecaCB	ND	0.456		
PCB-183	ND	0.357			Total PCB	ND			
PCB-184	ND	0.297							
PCB-185	ND	0.365							
PCB-186	ND	0.275							
PCB-188	ND	0.283							
PCB-189	ND	0.269							
PCB-190	ND	0.323							
PCB-191	ND	0.300							
PCB-192	ND	0.281							
PCB-193	ND	0.306							
PCB-194	ND		0.590						
PCB-195	ND	0.176							
PCB-196/203	ND	0.335							
PCB-197	ND	0.248							
PCB-198	ND	0.354							
PCB-199	ND	0.347							
PCB-200	ND	0.262							
PCB-201	ND	0.267							
PCB-202	ND	0.240							
PCB-204	ND	0.246							
PCB-205	ND	0.142							
PCB-206	ND	0.211							
PCB-207	ND	0.168							
PCB-208	ND	0.165							
PCB-209	ND	0.456							
Total monoCB	ND	0.312							
Total diCB	ND	1.31							
Total triCB	ND	0.774							
Total tetraCB	ND	0.699							
Total pentaCB	ND	0.805							
Total hexaCB	ND	0.612							
Total heptaCB	ND	0.431							

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: B0F0004	Lab Sample: B0F0004-BLK1
Sample Size: 5.00 g	Date Extracted: 02-Jun-2020 8:44	Date Analyzed: 17-Jun-20 16:18 Column: ZB-1

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	77.2	5 - 145		13C-PCB-157	101	10 - 145	
13C-PCB-3	78.8	5 - 145		13C-PCB-159	101	10 - 145	
13C-PCB-4	93.0	5 - 145		13C-PCB-167	97.5	10 - 145	
13C-PCB-11	93.1	5 - 145		13C-PCB-169	100	10 - 145	
13C-PCB-9	91.8	5 - 145		13C-PCB-170	108	10 - 145	
13C-PCB-19	76.3	5 - 145		13C-PCB-180	107	10 - 145	
13C-PCB-28	96.2	5 - 145		13C-PCB-188	102	10 - 145	
13C-PCB-32	76.3	5 - 145		13C-PCB-189	110	10 - 145	
13C-PCB-37	95.6	5 - 145		13C-PCB-194	99.6	10 - 145	
13C-PCB-47	97.6	5 - 145		13C-PCB-202	89.1	10 - 145	
13C-PCB-52	98.9	5 - 145		13C-PCB-206	116	10 - 145	
13C-PCB-54	98.3	5 - 145		13C-PCB-208	91.4	10 - 145	
13C-PCB-70	101	5 - 145		13C-PCB-209	140	10 - 145	
13C-PCB-77	98.8	10 - 145		CRS 13C-PCB-79	103	10 - 145	
13C-PCB-80	98.6	10 - 145		13C-PCB-178	89.8	10 - 145	
13C-PCB-81	99.8	10 - 145					
13C-PCB-95	101	10 - 145					
13C-PCB-97	103	10 - 145					
13C-PCB-101	101	10 - 145					
13C-PCB-104	103	10 - 145					
13C-PCB-105	112	10 - 145					
13C-PCB-114	112	10 - 145					
13C-PCB-118	104	10 - 145					
13C-PCB-123	103	10 - 145					
13C-PCB-126	109	10 - 145					
13C-PCB-127	111	10 - 145					
13C-PCB-138	102	10 - 145					
13C-PCB-141	103	10 - 145					
13C-PCB-153	102	10 - 145					
13C-PCB-155	81.1	10 - 145					
13C-PCB-156	102	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: B0F0004  
Date Extracted: 02-Jun-2020 8:44

Lab Sample: B0F0004-BS1  
Date Analyzed: 17-Jun-20 14:16 Column: ZB-1

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	1300	1000	130	60 - 135	IS 13C-PCB-1	52.3	15 - 145
PCB-3	1290	1000	129	60 - 135	IS 13C-PCB-3	55.1	15 - 145
PCB-4/10	2370	2000	118	60 - 135	IS 13C-PCB-4	67.1	15 - 145
PCB-15	1190	1000	119	60 - 135	IS 13C-PCB-11	73.3	15 - 145
PCB-19	1230	1000	123	60 - 135	IS 13C-PCB-9	67.8	15 - 145
PCB-37	1210	1000	121	60 - 135	IS 13C-PCB-19	58.4	15 - 145
PCB-54	1250	1000	125	60 - 135	IS 13C-PCB-28	81.9	15 - 145
PCB-77	1200	1000	120	60 - 135	IS 13C-PCB-32	60.5	15 - 145
PCB-81	1140	1000	114	60 - 135	IS 13C-PCB-37	83.5	15 - 145
PCB-104	1250	1000	125	60 - 135	IS 13C-PCB-47	82.7	15 - 145
PCB-105	1150	1000	115	60 - 135	IS 13C-PCB-52	80.7	15 - 145
PCB-106/118	2460	2000	123	60 - 135	IS 13C-PCB-54	75.0	15 - 145
PCB-114	1130	1000	113	60 - 135	IS 13C-PCB-70	85.8	15 - 145
PCB-123	1170	1000	117	60 - 135	IS 13C-PCB-77	86.3	40 - 145
PCB-126	1140	1000	114	60 - 135	IS 13C-PCB-80	85.6	40 - 145
PCB-155	1180	1000	118	60 - 135	IS 13C-PCB-81	87.5	40 - 145
PCB-156	1130	1000	113	60 - 135	IS 13C-PCB-95	87.8	40 - 145
PCB-157	1150	1000	115	60 - 135	IS 13C-PCB-97	89.7	40 - 145
PCB-167	1140	1000	114	60 - 135	IS 13C-PCB-101	89.1	40 - 145
PCB-169	1160	1000	116	60 - 135	IS 13C-PCB-104	84.8	40 - 145
PCB-188	1170	1000	117	60 - 135	IS 13C-PCB-105	97.8	40 - 145
PCB-189	1140	1000	114	60 - 135	IS 13C-PCB-114	97.0	40 - 145
PCB-202	1170	1000	117	60 - 135	IS 13C-PCB-118	88.9	40 - 145
PCB-205	1190	1000	119	60 - 135	IS 13C-PCB-123	93.2	40 - 145
PCB-206	1110	1000	111	60 - 135	IS 13C-PCB-126	98.4	40 - 145
PCB-208	1130	1000	113	60 - 135	IS 13C-PCB-127	99.8	40 - 145
PCB-209	1160	1000	116	60 - 135	IS 13C-PCB-138	89.0	40 - 145
					IS 13C-PCB-141	89.2	40 - 145
					IS 13C-PCB-153	89.5	40 - 145
					IS 13C-PCB-155	67.6	40 - 145
					IS 13C-PCB-156	91.6	40 - 145
					IS 13C-PCB-157	90.1	40 - 145
					IS 13C-PCB-159	88.4	40 - 145
					IS 13C-PCB-167	89.0	40 - 145
					IS 13C-PCB-169	91.9	40 - 145
					IS 13C-PCB-170	99.5	40 - 145
					IS 13C-PCB-180	96.3	40 - 145
					IS 13C-PCB-188	88.9	40 - 145
					IS 13C-PCB-189	101	40 - 145
					IS 13C-PCB-194	86.4	40 - 145

**Sample ID: OPR**

**EPA Method 1668C**

Matrix: Solid  
Sample Size: 5.00 g

QC Batch: B0F0004  
Date Extracted: 02-Jun-2020 8:44

Lab Sample: B0F0004-BS1  
Date Analyzed: 17-Jun-20 14:16 Column: ZB-1

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	75.8	40 - 145
					IS 13C-PCB-206	105	40 - 145
					IS 13C-PCB-208	81.0	40 - 145
					IS 13C-PCB-209	123	40 - 145
					CRS 13C-PCB-79	88.7	40 - 145
					CRS 13C-PCB-178	77.1	40 - 145

LCL-UCL - Lower control limit - upper control limit



**Sample ID: PDI-166SC-A-00-01-200520**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001133-01	Date Received:	22-May-2020 10:00
Project:	Gasco PDI	Sample Size:	5.77 g	QC Batch:	B0F0004	Date Extracted:	02-Jun-2020 8:44
Date Collected:	20-May-2020 8:55	% Solids:	88.8	Date Analyzed :	17-Jun-20 19:23	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	3.12			J	PCB-44	84.6			
PCB-2	2.03			J	PCB-45	11.1			
PCB-3	3.07			J	PCB-46	6.44			
PCB-4/10	ND		7.94		PCB-47	54.8			
PCB-5/8	18.1				PCB-48/75	14.0			
PCB-6	5.01				PCB-50	ND	0.345		
PCB-7/9	ND	0.916			PCB-51	16.5			
PCB-11	5.26				PCB-52/69	151			
PCB-12/13	ND	1.32			PCB-53	32.5			
PCB-14	ND	1.33			PCB-54	2.72			J
PCB-15	7.72				PCB-55	1.21			J
PCB-16/32	32.8				PCB-56/60	43.6			
PCB-17	29.2				PCB-57	0.690			J
PCB-18	15.3				PCB-58	0.688			J
PCB-19	8.73				PCB-61/70	113			
PCB-20/21/33	26.7				PCB-62	ND	0.318		
PCB-22	14.8				PCB-63	3.94			J
PCB-23	ND	0.800			PCB-65	ND	0.280		
PCB-24/27	5.14			J	PCB-66/76	79.7			
PCB-25	8.77				PCB-67	2.34			J
PCB-26	14.6				PCB-68	1.78			J
PCB-28	58.4				PCB-73	0.748			J
PCB-29	ND	0.791			PCB-74	30.4			
PCB-30	ND	0.345			PCB-77	8.68			
PCB-31	46.6				PCB-78	ND	0.254		
PCB-34	ND	0.747			PCB-79	2.30			J
PCB-35	ND	0.715			PCB-80	ND	0.233		
PCB-36	ND	0.693			PCB-81	0.706			J
PCB-37	15.3				PCB-82	16.7			
PCB-38	ND	0.709			PCB-83	ND	0.270		
PCB-39	ND	0.755			PCB-84/92	97.0			
PCB-40	14.6				PCB-85/116	21.8			
PCB-41/64/71/72	70.4				PCB-86	ND	0.442		
PCB-42/59	26.2				PCB-87/117/125	54.0			
PCB-43/49	111				PCB-88/91	37.1			

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-166SC-A-00-01-200520**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001133-01	Date Received:	22-May-2020 10:00
Project:	Gasco PDI	Sample Size:	5.77 g	QC Batch:	B0F0004	Date Extracted:	02-Jun-2020 8:44
Date Collected:	20-May-2020 8:55	% Solids:	88.8	Date Analyzed :	17-Jun-20 19:23	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	1.61			J	PCB-137	9.22			
PCB-90/101	227				PCB-138/163/164	289			
PCB-93	ND	0.462			PCB-139/149	277			
PCB-94	3.67			J	PCB-140	2.77			J
PCB-95/98/102	161				PCB-141	66.1			
PCB-96	2.82			J	PCB-142	ND	0.385		
PCB-97	46.3				PCB-144	19.7			
PCB-99	85.0				PCB-145	ND	0.266		
PCB-100	5.80				PCB-146/165	55.7			
PCB-103	8.06				PCB-147	ND		7.43	
PCB-104	ND	0.303			PCB-148	ND	0.376		
PCB-105	47.3				PCB-150	1.46			J
PCB-106/118	146				PCB-151	101			
PCB-107/109	14.3				PCB-152	ND	0.266		
PCB-108/112	7.69			J	PCB-153	304			
PCB-110	192				PCB-154	ND		9.91	
PCB-111/115	1.84			J	PCB-155	ND	0.303		
PCB-113	ND	0.275			PCB-156	25.3			
PCB-114	2.58			J	PCB-157	4.82			J
PCB-119	9.50				PCB-158/160	29.0			
PCB-120	1.32			J	PCB-159	ND	0.231		
PCB-121	ND	0.253			PCB-166	0.698			J
PCB-122	1.73			J	PCB-167	11.6			
PCB-123	2.00			J	PCB-168	ND	0.270		
PCB-124	6.72				PCB-169	0.281			J
PCB-126	2.86			J	PCB-170	75.9			
PCB-127	ND	0.365			PCB-171	26.1			
PCB-128/162	38.8				PCB-172	14.3			
PCB-129	10.8				PCB-173	2.01			J
PCB-130	18.7				PCB-174	96.4			
PCB-131/133	9.56			J	PCB-175	3.46			J
PCB-132/161	78.3				PCB-176	13.2			
PCB-134/143	15.2				PCB-177	56.0			
PCB-135	46.0				PCB-178	20.4			
PCB-136	60.1				PCB-179	44.3			

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-166SC-A-00-01-200520**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001133-01
Project:	Gasco PDI	Sample Size:	5.77 g	Date Received:	22-May-2020 10:00
Date Collected:	20-May-2020 8:55	% Solids:	88.8	QC Batch:	B0F0004
				Date Analyzed :	17-Jun-20 19:23 Column: ZB-1
				Date Extracted:	02-Jun-2020 8:44

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	195				Total octaCB	74.0		135	
PCB-181	ND	0.261			Total nonaCB	14.1			
PCB-182/187	113				DecaCB	9.97			
PCB-183	52.5				Total PCB	4740			
PCB-184	ND	0.205							
PCB-185	11.5								
PCB-186	ND	0.190							
PCB-188	0.328			J					
PCB-189	2.57			J					
PCB-190	16.8								
PCB-191	3.68			J					
PCB-192	ND	0.210							
PCB-193	10.4								
PCB-194	25.2								
PCB-195	ND		10.3						
PCB-196/203	ND		37.0						
PCB-197	ND		1.29						
PCB-198	2.01			J					
PCB-199	39.5								
PCB-200	ND		5.33						
PCB-201	ND		5.89						
PCB-202	7.35								
PCB-204	ND	0.355							
PCB-205	ND		0.959						
PCB-206	8.88								
PCB-207	1.97			J					
PCB-208	3.22			J					
PCB-209	9.97								
Total monoCB	8.22								
Total diCB	36.1		44.0						
Total triCB	276								
Total tetraCB	885								
Total pentaCB	1200								
Total hexaCB	1470		1490						
Total heptaCB	758								

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-166SC-A-00-01-200520**

**EPA Method 1668C**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001133-01
Project:	Gasco PDI	Sample Size:	5.77 g	Date Received:	22-May-2020 10:00
Date Collected:	20-May-2020 8:55	% Solids:	88.8	QC Batch:	B0F0004
				Date Analyzed :	17-Jun-20 19:23 Column: ZB-1
Date Received:				Date Extracted:	02-Jun-2020 8:44

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	177	5 -145	H	13C-PCB-170	112	10 -145	
13C-PCB-3	183	5 -145	H	13C-PCB-180	111	10 -145	
13C-PCB-4	163	5 -145	H	13C-PCB-188	104	10 -145	
13C-PCB-11	176	5 -145	H	13C-PCB-189	116	10 -145	
13C-PCB-9	158	5 -145	H	13C-PCB-194	101	10 -145	
13C-PCB-19	196	5 -145	H	13C-PCB-202	91.8	10 -145	
13C-PCB-28	99.1	5 -145		13C-PCB-206	137	10 -145	
13C-PCB-32	202	5 -145	H	13C-PCB-208	113	10 -145	
13C-PCB-37	103	5 -145		13C-PCB-209	198	10 -145	H
13C-PCB-47	101	5 -145		CRS 13C-PCB-79	103	10 -145	
13C-PCB-52	98.4	5 -145		13C-PCB-178	96.1	10 -145	
13C-PCB-54	93.3	5 -145					
13C-PCB-70	99.6	5 -145					
13C-PCB-77	102	10 -145					
13C-PCB-80	102	10 -145					
13C-PCB-81	103	10 -145					
13C-PCB-95	100	10 -145					
13C-PCB-97	102	10 -145					
13C-PCB-101	103	10 -145					
13C-PCB-104	100	10 -145					
13C-PCB-105	92.8	10 -145					
13C-PCB-114	94.4	10 -145					
13C-PCB-118	103	10 -145					
13C-PCB-123	103	10 -145					
13C-PCB-126	89.8	10 -145					
13C-PCB-127	94.8	10 -145					
13C-PCB-138	100	10 -145					
13C-PCB-141	102	10 -145					
13C-PCB-153	99.3	10 -145					
13C-PCB-155	78.3	10 -145					
13C-PCB-156	102	10 -145					
13C-PCB-157	101	10 -145					
13C-PCB-159	102	10 -145					
13C-PCB-167	101	10 -145					
13C-PCB-169	105	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.

**Sample ID: Duplicate**

**EPA Method 1668C**

Source Client ID: PDI-166SC-A-00-01-200520	QC Batch: B0F0004	Lab Sample: B0F0004-DUP1
Source LabNumber: 2001133-01	Date Extracted: 02-Jun-2020 8:44	Date Analyzed: 17-Jun-20 17:21 Column: ZB-1
Matrix: Solid		
Sample Size: 5.64 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND		1.26		PCB-42/59	21.3			
PCB-2	ND		0.879		PCB-43/49	82.2			
PCB-3	ND		1.74		PCB-44	68.0			
PCB-4/10	ND	1.74			PCB-45	7.84			
PCB-5/8	9.67			J	PCB-46	4.15			J
PCB-6	ND	1.35			PCB-47	40.2			
PCB-7/9	ND	1.43			PCB-48/75	10.7			
PCB-11	6.51				PCB-50	ND	0.446		
PCB-12/13	ND	1.33			PCB-51	10.6			
PCB-14	ND	1.34			PCB-52/69	114			
PCB-15	7.44				PCB-53	19.2			
PCB-16/32	20.4				PCB-54	1.49			J
PCB-17	18.2				PCB-55	ND	0.306		
PCB-18	26.8				PCB-56/60	35.3			
PCB-19	4.04			J	PCB-57	ND		0.657	
PCB-20/21/33	17.5				PCB-58	0.685			J
PCB-22	11.2				PCB-61/70	96.3			
PCB-23	ND	0.822			PCB-62	ND	0.390		
PCB-24/27	ND	0.678			PCB-63	ND		2.97	
PCB-25	6.75				PCB-65	ND	0.343		
PCB-26	12.5				PCB-66/76	64.5			
PCB-28	43.3				PCB-67	2.03			J
PCB-29	ND	0.813			PCB-68	ND		1.39	
PCB-30	ND	0.625			PCB-73	ND	0.324		
PCB-31	31.0				PCB-74	34.2			
PCB-34	ND	0.767			PCB-77	6.26			
PCB-35	ND	0.726			PCB-78	ND	0.346		
PCB-36	ND	0.704			PCB-79	1.69			J
PCB-37	13.3				PCB-80	ND	0.302		
PCB-38	ND	0.720			PCB-81	ND		1.28	
PCB-39	ND	0.767			PCB-82	ND		10.5	
PCB-40	13.4				PCB-83	ND	0.404		
PCB-41/64/71/72	58.1				PCB-84/92	76.0			

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.  
individual congeners for qualifiers.

The sample size is reported in wet weight. See

**Sample ID: Duplicate**

**EPA Method 1668C**

Source Client ID: PDI-166SC-A-00-01-200520	QC Batch: B0F0004	Lab Sample: B0F0004-DUP1
Source LabNumber: 2001133-01	Date Extracted: 02-Jun-2020 8:44	Date Analyzed: 17-Jun-20 17:21 Column: ZB-1
Matrix: Solid		
Sample Size: 5.64 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-85/116	15.8				PCB-130	10.4			
PCB-86	ND	0.662			PCB-131/133	5.21			J
PCB-87/117/125	39.7				PCB-132/161	47.1			
PCB-88/91	29.5				PCB-134/143	10.7			
PCB-89	ND	0.580			PCB-135	26.8			
PCB-90/101	207				PCB-136	44.5			
PCB-93	ND	0.687			PCB-137	3.16			J
PCB-94	2.69			J	PCB-138/163/164	148			
PCB-95/98/102	149				PCB-139/149	179			
PCB-96	ND	0.417			PCB-140	ND		1.13	
PCB-97	33.7				PCB-141	33.3			
PCB-99	66.0				PCB-142	ND	0.531		
PCB-100	ND	0.504			PCB-144	12.5			
PCB-103	ND	0.514			PCB-145	ND	0.258		
PCB-104	0.514			J	PCB-146/165	31.1			
PCB-105	23.8				PCB-147	ND		2.45	
PCB-106/118	87.5				PCB-148	ND	0.365		
PCB-107/109	7.02			J	PCB-150	ND		0.462	
PCB-108/112	ND		4.94		PCB-151	73.6			
PCB-110	146				PCB-152	ND	0.259		
PCB-111/115	ND		0.940		PCB-153	171			
PCB-113	ND	0.424			PCB-154	6.50			
PCB-114	ND		1.34		PCB-155	ND	0.294		
PCB-119	7.24				PCB-156	10.3			
PCB-120	ND		0.681		PCB-157	ND		1.20	
PCB-121	ND	0.376			PCB-158/160	13.0			
PCB-122	ND		0.955		PCB-159	ND	0.323		
PCB-123	ND		0.831		PCB-166	ND	0.344		
PCB-124	3.53			J	PCB-167	ND		3.80	
PCB-126	ND	0.322			PCB-168	ND		0.491	
PCB-127	ND	0.320			PCB-169	ND	0.360		
PCB-128/162	15.5				PCB-170	39.8			
PCB-129	3.66			J	PCB-171	ND		11.8	

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.  
individual congeners for qualifiers.

The sample size is reported in wet weight. See

**Sample ID: Duplicate**

**EPA Method 1668C**

Source Client ID: PDI-166SC-A-00-01-200520	QC Batch: B0F0004	Lab Sample: B0F0004-DUP1
Source LabNumber: 2001133-01	Date Extracted: 02-Jun-2020 8:44	Date Analyzed: 17-Jun-20 17:21 Column: ZB-1
Matrix: Solid		
Sample Size: 5.64 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-172	6.87				PCB-207	1.61			J
PCB-173	ND		0.891		PCB-208	3.16			J
PCB-174	53.9				PCB-209	7.59			
PCB-175	2.12			J	Total monoCB	ND		3.87	
PCB-176	7.05				Total diCB	23.6			
PCB-177	30.3				Total triCB	205			
PCB-178	11.8				Total tetraCB	692		699	
PCB-179	27.4				Total pentaCB	895		916	
PCB-180	104				Total hexaCB	845		855	
PCB-181	ND	0.396			Total heptaCB	393		412	
PCB-182/187	65.6				Total octaCB	85.2		88.5	
PCB-183	27.7				Total nonaCB	15.1			
PCB-184	ND	0.322			DecaCB	7.59			
PCB-185	6.10				Total PCB	3160			
PCB-186	ND	0.298							
PCB-188	ND	0.307							
PCB-189	ND		1.01						
PCB-190	7.85								
PCB-191	2.07			J					
PCB-192	ND	0.319							
PCB-193	ND		5.14						
PCB-194	19.2								
PCB-195	7.19								
PCB-196/203	26.1								
PCB-197	ND		1.01						
PCB-198	ND	0.439							
PCB-199	25.3								
PCB-200	ND		2.26						
PCB-201	2.35			J					
PCB-202	4.29			J					
PCB-204	ND	0.305							
PCB-205	0.685			J					
PCB-206	10.3								

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.  
individual congeners for qualifiers.

The sample size is reported in wet weight. See

**Sample ID: Duplicate**

**EPA Method 1668C**

Source Client ID: PDI-166SC-A-00-01-200520	QC Batch: B0F0004	Lab Sample: B0F0004-DUP1
Source LabNumber: 2001133-01	Date Extracted: 02-Jun-2020 8:44	Date Analyzed: 17-Jun-20 17:21 Column: ZB-1
Matrix: Solid		
Sample Size: 5.64 g		

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	72.6	5-145		13C-PCB-157	95.8	10-145	
13C-PCB-3	76.2	5-145		13C-PCB-159	96.1	10-145	
13C-PCB-4	83.0	5-145		13C-PCB-167	95.0	10-145	
13C-PCB-11	91.3	5-145		13C-PCB-169	99.0	10-145	
13C-PCB-9	84.3	5-145		13C-PCB-170	104	10-145	
13C-PCB-19	71.2	5-145		13C-PCB-180	102	10-145	
13C-PCB-28	97.4	5-145		13C-PCB-188	99.0	10-145	
13C-PCB-32	73.3	5-145		13C-PCB-189	105	10-145	
13C-PCB-37	99.5	5-145		13C-PCB-194	93.1	10-145	
13C-PCB-47	97.8	5-145		13C-PCB-202	84.6	10-145	
13C-PCB-52	96.0	5-145		13C-PCB-206	109	10-145	
13C-PCB-54	88.7	5-145		13C-PCB-208	87.7	10-145	
13C-PCB-70	97.4	5-145		13C-PCB-209	138	10-145	
13C-PCB-77	96.6	10-145		CRS 13C-PCB-79	97.2	10-145	
13C-PCB-80	97.7	10-145		13C-PCB-178	81.7	10-145	
13C-PCB-81	97.8	10-145					
13C-PCB-95	93.2	10-145					
13C-PCB-97	95.4	10-145					
13C-PCB-101	95.0	10-145					
13C-PCB-104	94.0	10-145					
13C-PCB-105	108	10-145					
13C-PCB-114	110	10-145					
13C-PCB-118	95.9	10-145					
13C-PCB-123	97.9	10-145					
13C-PCB-126	102	10-145					
13C-PCB-127	110	10-145					
13C-PCB-138	96.5	10-145					
13C-PCB-141	99.0	10-145					
13C-PCB-153	97.0	10-145					
13C-PCB-155	76.8	10-145					
13C-PCB-156	95.9	10-145					

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.  
individual congeners for qualifiers.

The sample size is reported in wet weight. See



**Sample ID: Duplicate**

**EPA Method 1668C**

Source Client ID: PDI-166SC-A-00-01-200520  
 Source LabNumber: 2001133-01  
 Matrix: Solid

Duplicate Lab Sample: B0F0004-DUP1

Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit	Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit
PCB-1	ND	3.12	#	25	PCB-43/49	82.2	111	29.6	25
PCB-2	ND	2.03	#	25	PCB-44	68.0	84.6	21.7	25
PCB-3	ND	3.07	#	25	PCB-45	7.84	11.1	34.3	25
PCB-4/10	ND	ND	NA	25	PCB-46	4.15	6.44	43.3	25
PCB-5/8	9.67	18.1	60.7	25	PCB-47	40.2	54.8	30.7	25
PCB-6	ND	5.01	#	25	PCB-48/75	10.7	14.0	26.4	25
PCB-7/9	ND	ND	NA	25	PCB-50	ND	ND	NA	25
PCB-11	6.51	5.26	21.1	25	PCB-51	10.6	16.5	43.1	25
PCB-12/13	ND	ND	NA	25	PCB-52/69	114	151	27.8	25
PCB-14	ND	ND	NA	25	PCB-53	19.2	32.5	51.2	25
PCB-15	7.44	7.72	3.71	25	PCB-54	1.49	2.72	58.5	25
PCB-16/32	20.4	32.8	46.5	25	PCB-55	ND	1.21	#	25
PCB-17	18.2	29.2	46.4	25	PCB-56/60	35.3	43.6	21.0	25
PCB-18	26.8	15.3	54.6	25	PCB-57	ND	0.690	#	25
PCB-19	4.04	8.73	73.5	25	PCB-58	0.685	0.688	0.466	25
PCB-20/21/33	17.5	26.7	41.6	25	PCB-61/70	96.3	113	15.5	25
PCB-22	11.2	14.8	27.4	25	PCB-62	ND	ND	NA	25
PCB-23	ND	ND	NA	25	PCB-63	ND	3.94	#	25
PCB-24/27	ND	5.14	#	25	PCB-65	ND	ND	NA	25
PCB-25	6.75	8.77	26.0	25	PCB-66/76	64.5	79.7	21.2	25
PCB-26	12.5	14.6	15.4	25	PCB-67	2.03	2.34	14.1	25
PCB-28	43.3	58.4	29.8	25	PCB-68	ND	1.78	#	25
PCB-29	ND	ND	NA	25	PCB-73	ND	0.748	#	25
PCB-30	ND	ND	NA	25	PCB-74	34.2	30.4	11.9	25
PCB-31	31.0	46.6	40.2	25	PCB-77	6.26	8.68	32.4	25
PCB-34	ND	ND	NA	25	PCB-78	ND	ND	NA	25
PCB-35	ND	ND	NA	25	PCB-79	1.69	2.30	30.4	25
PCB-36	ND	ND	NA	25	PCB-80	ND	ND	NA	25
PCB-37	13.3	15.3	13.6	25	PCB-81	ND	0.706	#	25
PCB-38	ND	ND	NA	25	PCB-82	ND	16.7	#	25
PCB-39	ND	ND	NA	25	PCB-83	ND	ND	NA	25
PCB-40	13.4	14.6	8.07	25	PCB-84/92	76.0	97.0	24.2	25
PCB-41/64/71/72	58.1	70.4	19.3	25	PCB-85/116	15.8	21.8	32.2	25
PCB-42/59	21.3	26.2	20.5	25	PCB-86	ND	ND	NA	25

LCL-UCL - Lower control limit - upper control limit.

# - Result could not be calculated due to one or more non-detected analytes

The results are reported in dry weight.

The sample size is reported in wet weight. Results reported to

**Sample ID: Duplicate**

**EPA Method 1668C**

Source Client ID: PDI-166SC-A-00-01-200520  
 Source LabNumber: 2001133-01  
 Matrix: Solid

Duplicate Lab Sample: B0F0004-DUP1

Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit	Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit
PCB-87/117/125	39.7	54.0	30.6	25	PCB-134/143	10.7	15.2	34.9	25
PCB-88/91	29.5	37.1	23.0	25	PCB-135	26.8	46.0	52.6	25
PCB-89	ND	1.61	#	25	PCB-136	44.5	60.1	29.9	25
PCB-90/101	207	227	9.49	25	PCB-137	3.16	9.22	97.8	25
PCB-93	ND	ND	NA	25	PCB-138/163/164	148	289	64.6	25
PCB-94	2.69	3.67	30.7	25	PCB-139/149	179	277	43.0	25
PCB-95/98/102	149	161	7.24	25	PCB-140	ND	2.77	#	25
PCB-96	ND	2.82	#	25	PCB-141	33.3	66.1	66.0	25
PCB-97	33.7	46.3	31.4	25	PCB-142	ND	ND	NA	25
PCB-99	66.0	85.0	25.3	25	PCB-144	12.5	19.7	44.3	25
PCB-100	ND	5.80	#	25	PCB-145	ND	ND	NA	25
PCB-103	ND	8.06	#	25	PCB-146/165	31.1	55.7	56.8	25
PCB-104	0.514	ND	#	25	PCB-147	ND	ND	NA	25
PCB-105	23.8	47.3	66.1	25	PCB-148	ND	ND	NA	25
PCB-106/118	87.5	146	50.3	25	PCB-150	ND	1.46	#	25
PCB-107/109	7.02	14.3	68.5	25	PCB-151	73.6	101	31.1	25
PCB-108/112	ND	7.69	#	25	PCB-152	ND	ND	NA	25
PCB-110	146	192	27.1	25	PCB-153	171	304	56.0	25
PCB-111/115	ND	1.84	#	25	PCB-154	6.50	ND	#	25
PCB-113	ND	ND	NA	25	PCB-155	ND	ND	NA	25
PCB-114	ND	2.58	#	25	PCB-156	10.3	25.3	84.4	25
PCB-119	7.24	9.50	26.9	25	PCB-157	ND	4.82	#	25
PCB-120	ND	1.32	#	25	PCB-158/160	13.0	29.0	75.9	25
PCB-121	ND	ND	NA	25	PCB-159	ND	ND	NA	25
PCB-122	ND	1.73	#	25	PCB-166	ND	0.698	#	25
PCB-123	ND	2.00	#	25	PCB-167	ND	11.6	#	25
PCB-124	3.53	6.72	62.1	25	PCB-168	ND	ND	NA	25
PCB-126	ND	2.86	#	25	PCB-169	ND	0.281	#	25
PCB-127	ND	ND	NA	25	PCB-170	39.8	75.9	62.3	25
PCB-128/162	15.5	38.8	85.8	25	PCB-171	ND	26.1	#	25
PCB-129	3.66	10.8	98.8	25	PCB-172	6.87	14.3	70.0	25
PCB-130	10.4	18.7	57.0	25	PCB-173	ND	2.01	#	25
PCB-131/133	5.21	9.56	58.9	25	PCB-174	53.9	96.4	56.7	25
PCB-132/161	47.1	78.3	49.8	25	PCB-175	2.12	3.46	48.2	25

LCL-UCL - Lower control limit - upper control limit.

# - Result could not be calculated due to one or more non-detected analytes

The results are reported in dry weight.

The sample size is reported in wet weight. Results reported to

the MDL

**Sample ID: Duplicate**

**EPA Method 1668C**

Source Client ID: PDI-166SC-A-00-01-200520  
 Source LabNumber: 2001133-01  
 Matrix: Solid

Duplicate Lab Sample: B0F0004-DUP1

Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit	Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit
PCB-176	7.05	13.2	<b>60.8</b>	25					
PCB-177	30.3	56.0	<b>59.6</b>	25					
PCB-178	11.8	20.4	<b>53.1</b>	25					
PCB-179	27.4	44.3	<b>46.9</b>	25					
PCB-180	104	195	<b>60.7</b>	25					
PCB-181	ND	ND	NA	25					
PCB-182/187	65.6	113	<b>53.3</b>	25					
PCB-183	27.7	52.5	<b>62.0</b>	25					
PCB-184	ND	ND	NA	25					
PCB-185	6.10	11.5	<b>61.5</b>	25					
PCB-186	ND	ND	NA	25					
PCB-188	ND	0.328	#	25					
PCB-189	ND	2.57	#	25					
PCB-190	7.85	16.8	<b>72.9</b>	25					
PCB-191	2.07	3.68	<b>56.0</b>	25					
PCB-192	ND	ND	NA	25					
PCB-193	ND	10.4	#	25					
PCB-194	19.2	25.2	<b>26.7</b>	25					
PCB-195	7.19	ND	#	25					
PCB-196/203	26.1	ND	#	25					
PCB-197	ND	ND	NA	25					
PCB-198	ND	2.01	#	25					
PCB-199	25.3	39.5	<b>43.7</b>	25					
PCB-200	ND	ND	NA	25					
PCB-201	2.35	ND	#	25					
PCB-202	4.29	7.35	<b>52.6</b>	25					
PCB-204	ND	ND	NA	25					
PCB-205	0.685	ND	#	25					
PCB-206	10.3	8.88	15.3	25					
PCB-207	1.61	1.97	20.5	25					
PCB-208	3.16	3.22	1.85	25					
PCB-209	7.59	9.97	<b>27.0</b>	25					

LCL-UCL - Lower control limit - upper control limit.

# - Result could not be calculated due to one or more non-detected analytes

The results are reported in dry weight.

The sample size is reported in wet weight. Results reported to

the MSB

**Sample ID: Duplicate**

**EPA Method 1668C**

Source Client ID: PDI-166SC-A-00-01-200520  
 Source LabNumber: 2001133-01  
 Matrix: Solid

Duplicate Lab Sample: B0F0004-DUP1

	Labeled Standard	Dup %R	Source %R	LCL-UCL		Labeled Standard	Dup %R	Source %R	LCL-UCL
IS	13C-PCB-1	72.6	177	5-145		13C-PCB-159	96.1	102	10-145
	13C-PCB-3	76.2	183	5-145		13C-PCB-167	95.0	101	10-145
	13C-PCB-4	83.0	163	5-145		13C-PCB-169	99.0	105	10-145
	13C-PCB-11	91.3	176	5-145		13C-PCB-170	104	112	10-145
	13C-PCB-9	84.3	158	5-145		13C-PCB-180	102	111	10-145
	13C-PCB-19	71.2	196	5-145		13C-PCB-188	99.0	104	10-145
	13C-PCB-28	97.4	99.1	5-145		13C-PCB-189	105	116	10-145
	13C-PCB-32	73.3	202	5-145		13C-PCB-194	93.1	101	10-145
	13C-PCB-37	99.5	103	5-145		13C-PCB-202	84.6	91.8	10-145
	13C-PCB-47	97.8	101	5-145		13C-PCB-206	109	137	10-145
	13C-PCB-52	96.0	98.4	5-145		13C-PCB-208	87.7	113	10-145
	13C-PCB-54	88.7	93.3	5-145		13C-PCB-209	138	198	10-145
	13C-PCB-70	97.4	99.6	5-145	CRS	13C-PCB-79	97.2	103	10-145
	13C-PCB-77	96.6	102	10-145		13C-PCB-178	81.7	96.1	10-145
	13C-PCB-80	97.7	102	10-145					
	13C-PCB-81	97.8	103	10-145					
	13C-PCB-95	93.2	100	10-145					
	13C-PCB-97	95.4	102	10-145					
	13C-PCB-101	95.0	103	10-145					
	13C-PCB-104	94.0	100	10-145					
	13C-PCB-105	108	92.8	10-145					
	13C-PCB-114	110	94.4	10-145					
	13C-PCB-118	95.9	103	10-145					
	13C-PCB-123	97.9	103	10-145					
	13C-PCB-126	102	89.8	10-145					
	13C-PCB-127	110	94.8	10-145					
	13C-PCB-138	96.5	100	10-145					
	13C-PCB-141	99.0	102	10-145					
	13C-PCB-153	97.0	99.3	10-145					
	13C-PCB-155	76.8	78.3	10-145					
	13C-PCB-156	95.9	102	10-145					
	13C-PCB-157	95.8	101	10-145					

LCL-UCL - Lower control limit - upper control limit.

# - Result could not be calculated due to one or more non-detected analytes

The results are reported in dry weight.

The sample size is reported in wet weight. Results reported to

the nearest

**Sample ID: PDI-168SC-A-00-01-200520**

**EPA Method 1668C**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001133-02	Date Received:	22-May-2020 10:00
Project:	Gasco PDI	Sample Size:	6.30 g	QC Batch:	B0F0004	Date Extracted:	02-Jun-2020 8:44
Date Collected:	20-May-2020 12:53	% Solids:	86.6	Date Analyzed :	17-Jun-20 20:23	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.311			PCB-44	ND	0.449		
PCB-2	0.782			J	PCB-45	0.797			J
PCB-3	1.15			J	PCB-46	ND	0.450		
PCB-4/10	ND	1.33			PCB-47	3.30			J
PCB-5/8	ND	0.997			PCB-48/75	ND		0.863	
PCB-6	ND	0.967			PCB-50	ND	0.366		
PCB-7/9	ND	1.03			PCB-51	0.694			J
PCB-11	ND	0.954			PCB-52/69	9.12			J
PCB-12/13	ND	1.05			PCB-53	1.63			J
PCB-14	ND	1.06			PCB-54	ND	0.298		
PCB-15	ND	1.04			PCB-55	ND	0.249		
PCB-16/32	ND	0.767			PCB-56/60	2.76			J
PCB-17	ND	0.936			PCB-57	ND	0.255		
PCB-18	ND	0.868			PCB-58	ND	0.246		
PCB-19	ND	0.967			PCB-61/70	8.16			J
PCB-20/21/33	ND		2.35		PCB-62	ND	0.328		
PCB-22	ND	0.847			PCB-63	ND	0.276		
PCB-23	ND	0.933			PCB-65	ND	0.289		
PCB-24/27	ND	0.656			PCB-66/76	5.69			J
PCB-25	ND	0.867			PCB-67	ND	0.273		
PCB-26	ND	0.873			PCB-68	ND	0.290		
PCB-28	3.66			J	PCB-73	ND	0.259		
PCB-29	ND	0.923			PCB-74	2.72			J
PCB-30	ND	0.596			PCB-77	0.635			J
PCB-31	3.09			J	PCB-78	ND	0.263		
PCB-34	ND	0.871			PCB-79	ND	0.255		
PCB-35	ND	0.913			PCB-80	ND	0.245		
PCB-36	ND	0.886			PCB-81	ND	0.286		
PCB-37	ND	0.944			PCB-82	ND	0.676		
PCB-38	ND	0.906			PCB-83	ND	0.379		
PCB-39	ND	0.964			PCB-84/92	9.22			
PCB-40	ND	0.615			PCB-85/116	1.99			J
PCB-41/64/71/72	3.91			J	PCB-86	ND	0.622		
PCB-42/59	ND	0.353			PCB-87/117/125	ND		3.90	
PCB-43/49	6.53			J	PCB-88/91	2.58			J

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-168SC-A-00-01-200520**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001133-02	Date Received:	22-May-2020 10:00
Project:	Gasco PDI	Sample Size:	6.30 g	QC Batch:	B0F0004	Date Extracted:	02-Jun-2020 8:44
Date Collected:	20-May-2020 12:53	% Solids:	86.6	Date Analyzed :	17-Jun-20 20:23	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.547			PCB-137	ND	0.399		
PCB-90/101	21.3				PCB-138/163/164	18.7			
PCB-93	ND	0.673			PCB-139/149	24.3			
PCB-94	ND	0.663			PCB-140	ND	0.373		
PCB-95/98/102	18.2				PCB-141	3.57			J
PCB-96	ND	0.467			PCB-142	ND	0.472		
PCB-97	4.54			J	PCB-144	ND		0.829	
PCB-99	7.34				PCB-145	ND	0.249		
PCB-100	ND	0.565			PCB-146/165	5.27			J
PCB-103	ND	0.576			PCB-147	0.899			J
PCB-104	ND	0.480			PCB-148	ND	0.352		
PCB-105	3.65			J	PCB-150	ND	0.273		
PCB-106/118	12.6				PCB-151	ND		7.87	
PCB-107/109	1.24			J	PCB-152	ND	0.249		
PCB-108/112	ND		0.507		PCB-153	23.7			
PCB-110	17.5				PCB-154	ND		0.919	
PCB-111/115	ND		0.491		PCB-155	ND	0.284		
PCB-113	ND	0.399			PCB-156	1.53			J
PCB-114	ND	0.297			PCB-157	ND	0.343		
PCB-119	0.665			J	PCB-158/160	1.66			J
PCB-120	ND	0.347			PCB-159	ND	0.281		
PCB-121	ND	0.368			PCB-166	ND	0.299		
PCB-122	ND	0.359			PCB-167	0.586			J
PCB-123	ND	0.441			PCB-168	ND	0.330		
PCB-124	ND	0.378			PCB-169	ND	0.326		
PCB-126	ND	0.305			PCB-170	6.65			
PCB-127	ND	0.300			PCB-171	2.29			J
PCB-128/162	2.42			J	PCB-172	ND		1.55	
PCB-129	ND	0.471			PCB-173	ND	0.372		
PCB-130	1.71			J	PCB-174	10.6			
PCB-131/133	1.12			J	PCB-175	ND		0.425	
PCB-132/161	4.88			J	PCB-176	1.65			J
PCB-134/143	1.02			J	PCB-177	ND		5.11	
PCB-135	ND		3.83		PCB-178	3.26			J
PCB-136	3.26			J	PCB-179	5.68			

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-168SC-A-00-01-200520**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001133-02
Project:	Gasco PDI	Sample Size:	6.30 g	Date Received:	22-May-2020 10:00
Date Collected:	20-May-2020 12:53	% Solids:	86.6	QC Batch:	B0F0004
				Date Analyzed :	17-Jun-20 20:23 Column: ZB-1
				Date Extracted:	02-Jun-2020 8:44

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	23.1				Total octaCB	63.9		90.0	
PCB-181	ND	0.300			Total nonaCB	149		155	
PCB-182/187	18.7				DecaCB	146			
PCB-183	6.22				Total PCB	688			
PCB-184	ND	0.246							
PCB-185	1.60			J					
PCB-186	ND	0.228							
PCB-188	ND	0.235							
PCB-189	ND	0.232							
PCB-190	ND		1.37						
PCB-191	ND	0.259							
PCB-192	ND	0.242							
PCB-193	ND		0.456						
PCB-194	11.2								
PCB-195	ND		2.34						
PCB-196/203	ND		21.9						
PCB-197	0.867			J					
PCB-198	1.64			J					
PCB-199	34.7								
PCB-200	ND		1.90						
PCB-201	3.03			J					
PCB-202	12.4								
PCB-204	ND	0.537							
PCB-205	ND	0.338							
PCB-206	104								
PCB-207	ND		5.58						
PCB-208	44.8								
PCB-209	146								
Total monoCB	1.93								
Total diCB	ND	1.33							
Total triCB	6.75		9.10						
Total tetraCB	46.0		46.8						
Total pentaCB	101		106						
Total hexaCB	94.6		108						
Total heptaCB	79.8		88.7						

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-168SC-A-00-01-200520**

**EPA Method 1668C**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001133-02
Project:	Gasco PDI	Sample Size:	6.30 g	Date Received:	22-May-2020 10:00
Date Collected:	20-May-2020 12:53	% Solids:	86.6	QC Batch:	B0F0004
				Date Analyzed :	17-Jun-20 20:23 Column: ZB-1
Date Extracted:					02-Jun-2020 8:44

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	95.4	5 -145		13C-PCB-170	106	10 -145	
13C-PCB-3	98.6	5 -145		13C-PCB-180	104	10 -145	
13C-PCB-4	90.4	5 -145		13C-PCB-188	98.9	10 -145	
13C-PCB-11	90.9	5 -145		13C-PCB-189	109	10 -145	
13C-PCB-9	88.0	5 -145		13C-PCB-194	97.8	10 -145	
13C-PCB-19	97.7	5 -145		13C-PCB-202	88.5	10 -145	
13C-PCB-28	89.8	5 -145		13C-PCB-206	131	10 -145	
13C-PCB-32	99.0	5 -145		13C-PCB-208	108	10 -145	
13C-PCB-37	98.3	5 -145		13C-PCB-209	189	10 -145	H
13C-PCB-47	101	5 -145		CRS 13C-PCB-79	100	10 -145	
13C-PCB-52	98.4	5 -145		13C-PCB-178	94.1	10 -145	
13C-PCB-54	90.7	5 -145					
13C-PCB-70	99.3	5 -145					
13C-PCB-77	99.0	10 -145					
13C-PCB-80	98.6	10 -145					
13C-PCB-81	102	10 -145					
13C-PCB-95	99.0	10 -145					
13C-PCB-97	102	10 -145					
13C-PCB-101	102	10 -145					
13C-PCB-104	102	10 -145					
13C-PCB-105	94.2	10 -145					
13C-PCB-114	94.0	10 -145					
13C-PCB-118	102	10 -145					
13C-PCB-123	103	10 -145					
13C-PCB-126	88.6	10 -145					
13C-PCB-127	94.9	10 -145					
13C-PCB-138	99.5	10 -145					
13C-PCB-141	98.9	10 -145					
13C-PCB-153	99.7	10 -145					
13C-PCB-155	79.7	10 -145					
13C-PCB-156	99.7	10 -145					
13C-PCB-157	100	10 -145					
13C-PCB-159	100	10 -145					
13C-PCB-167	98.3	10 -145					
13C-PCB-169	101	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.



**Sample ID: PDI-172SC-A-00-01-200520**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001133-03	Date Received:	22-May-2020 10:00
Project:	Gasco PDI	Sample Size:	6.40 g	QC Batch:	B0F0004	Date Extracted:	02-Jun-2020 8:44
Date Collected:	20-May-2020 10:51	% Solids:	91.0	Date Analyzed :	17-Jun-20 21:23	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.03			J	PCB-44	ND	0.375		
PCB-2	1.01			J	PCB-45	0.749			J
PCB-3	ND		1.35		PCB-46	ND	0.397		
PCB-4/10	ND	1.15			PCB-47	3.48			J
PCB-5/8	ND	0.854			PCB-48/75	ND		0.945	
PCB-6	ND	0.828			PCB-50	ND	0.306		
PCB-7/9	ND	0.882			PCB-51	0.688			J
PCB-11	ND	1.01			PCB-52/69	10.9			
PCB-12/13	ND	1.11			PCB-53	2.21			J
PCB-14	ND	1.12			PCB-54	ND	0.249		
PCB-15	ND	1.10			PCB-55	ND	0.215		
PCB-16/32	2.78			J	PCB-56/60	4.08			J
PCB-17	ND		1.91		PCB-57	ND	0.223		
PCB-18	ND	0.681			PCB-58	ND	0.216		
PCB-19	ND	0.788			PCB-61/70	9.65			
PCB-20/21/33	3.24			J	PCB-62	ND	0.274		
PCB-22	ND	0.696			PCB-63	ND	0.242		
PCB-23	ND	0.766			PCB-65	ND	0.241		
PCB-24/27	ND	0.515			PCB-66/76	7.14			J
PCB-25	ND	0.712			PCB-67	ND	0.240		
PCB-26	ND		0.648		PCB-68	ND	0.242		
PCB-28	4.64				PCB-73	ND	0.228		
PCB-29	ND	0.758			PCB-74	3.34			J
PCB-30	ND	0.486			PCB-77	0.576			J
PCB-31	3.52			J	PCB-78	ND	0.237		
PCB-34	ND	0.716			PCB-79	ND		0.319	
PCB-35	ND	0.678			PCB-80	ND	0.212		
PCB-36	ND	0.658			PCB-81	ND	0.257		
PCB-37	ND		1.62		PCB-82	1.90			J
PCB-38	ND	0.673			PCB-83	ND	0.292		
PCB-39	ND	0.716			PCB-84/92	18.9			
PCB-40	ND		0.665		PCB-85/116	ND	0.380		
PCB-41/64/71/72	5.70			J	PCB-86	ND	0.479		
PCB-42/59	1.66			J	PCB-87/117/125	8.86			J
PCB-43/49	8.02			J	PCB-88/91	3.44			J

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-172SC-A-00-01-200520**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001133-03	Date Received:	22-May-2020 10:00
Project:	Gasco PDI	Sample Size:	6.40 g	QC Batch:	B0F0004	Date Extracted:	02-Jun-2020 8:44
Date Collected:	20-May-2020 10:51	% Solids:	91.0	Date Analyzed :	17-Jun-20 21:23	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND		0.251		PCB-137	0.556			J
PCB-90/101	71.7				PCB-138/163/164	50.9			
PCB-93	ND	0.481			PCB-139/149	75.6			
PCB-94	ND	0.474			PCB-140	ND		0.947	
PCB-95/98/102	45.8				PCB-141	11.0			
PCB-96	ND	0.324			PCB-142	ND	0.332		
PCB-97	6.37				PCB-144	4.78			
PCB-99	13.6				PCB-145	ND	0.209		
PCB-100	ND	0.391			PCB-146/165	11.9			
PCB-103	ND	0.399			PCB-147	ND	0.297		
PCB-104	ND	0.333			PCB-148	ND	0.295		
PCB-105	4.66				PCB-150	ND	0.229		
PCB-106/118	17.1				PCB-151	32.9			
PCB-107/109	ND		1.44		PCB-152	ND	0.209		
PCB-108/112	ND	0.371			PCB-153	66.9			
PCB-110	39.8				PCB-154	2.50			J
PCB-111/115	ND	0.280			PCB-155	ND	0.238		
PCB-113	ND	0.309			PCB-156	2.40			J
PCB-114	ND	0.286			PCB-157	ND	0.238		
PCB-119	1.79			J	PCB-158/160	2.98			J
PCB-120	ND	0.267			PCB-159	ND	0.195		
PCB-121	ND	0.263			PCB-166	ND	0.207		
PCB-122	ND	0.345			PCB-167	0.994			J
PCB-123	ND	0.327			PCB-168	ND	0.232		
PCB-124	ND	0.281			PCB-169	ND	0.226		
PCB-126	ND	0.294			PCB-170	10.4			
PCB-127	ND	0.292			PCB-171	4.04			J
PCB-128/162	3.95			J	PCB-172	1.90			J
PCB-129	0.710			J	PCB-173	ND	0.308		
PCB-130	3.42			J	PCB-174	16.5			
PCB-131/133	1.68			J	PCB-175	ND		0.515	
PCB-132/161	18.7				PCB-176	2.67			J
PCB-134/143	3.24			J	PCB-177	10.7			
PCB-135	ND		12.2		PCB-178	4.93			
PCB-136	17.8				PCB-179	10.3			

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

**Sample ID: PDI-172SC-A-00-01-200520**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001133-03
Project:	Gasco PDI	Sample Size:	6.40 g	Date Received:	22-May-2020 10:00
Date Collected:	20-May-2020 10:51	% Solids:	91.0	QC Batch:	B0F0004
				Date Analyzed :	17-Jun-20 21:23 Column: ZB-1
				Date Extracted:	02-Jun-2020 8:44

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	29.5				Total octaCB	27.3		29.8	
PCB-181	ND	0.249			Total nonaCB	9.17			
PCB-182/187	24.9				DecaCB	6.65			
PCB-183	8.63				Total PCB	796			
PCB-184	ND	0.208							
PCB-185	1.82			J					
PCB-186	ND	0.193							
PCB-188	ND	0.198							
PCB-189	0.490			J					
PCB-190	2.31			J					
PCB-191	0.367			J					
PCB-192	ND	0.201							
PCB-193	2.10			J					
PCB-194	5.25								
PCB-195	ND		1.72						
PCB-196/203	8.30			J					
PCB-197	ND	0.227							
PCB-198	ND	0.324							
PCB-199	9.95								
PCB-200	ND		0.793						
PCB-201	1.12			J					
PCB-202	2.69			J					
PCB-204	ND	0.226							
PCB-205	ND	0.209							
PCB-206	5.98								
PCB-207	0.597			J					
PCB-208	2.59			J					
PCB-209	6.65								
Total monoCB	2.04		3.40						
Total diCB	ND	1.15							
Total triCB	14.2		18.3						
Total tetraCB	58.2		60.1						
Total pentaCB	234		236						
Total hexaCB	313		326						
Total heptaCB	132								

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-172SC-A-00-01-200520**

**EPA Method 1668C**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001133-03
Project:	Gasco PDI	Sample Size:	6.40 g	Date Received:	22-May-2020 10:00
Date Collected:	20-May-2020 10:51	% Solids:	91.0	QC Batch:	B0F0004
				Date Analyzed :	17-Jun-20 21:23 Column: ZB-1
Date Received:				Date Extracted:	02-Jun-2020 8:44

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	97.9	5 -145		13C-PCB-170	99.9	10 -145	
13C-PCB-3	110	5 -145		13C-PCB-180	99.0	10 -145	
13C-PCB-4	94.6	5 -145		13C-PCB-188	93.6	10 -145	
13C-PCB-11	97.2	5 -145		13C-PCB-189	99.7	10 -145	
13C-PCB-9	100	5 -145		13C-PCB-194	93.5	10 -145	
13C-PCB-19	119	5 -145		13C-PCB-202	84.4	10 -145	
13C-PCB-28	99.5	5 -145		13C-PCB-206	123	10 -145	
13C-PCB-32	124	5 -145		13C-PCB-208	104	10 -145	
13C-PCB-37	99.2	5 -145		13C-PCB-209	168	10 -145	H
13C-PCB-47	95.3	5 -145		CRS 13C-PCB-79	99.2	10 -145	
13C-PCB-52	93.6	5 -145		13C-PCB-178	91.8	10 -145	
13C-PCB-54	86.9	5 -145					
13C-PCB-70	92.8	5 -145					
13C-PCB-77	92.8	10 -145					
13C-PCB-80	93.8	10 -145					
13C-PCB-81	95.5	10 -145					
13C-PCB-95	94.5	10 -145					
13C-PCB-97	95.7	10 -145					
13C-PCB-101	95.7	10 -145					
13C-PCB-104	98.3	10 -145					
13C-PCB-105	89.1	10 -145					
13C-PCB-114	90.3	10 -145					
13C-PCB-118	95.6	10 -145					
13C-PCB-123	96.7	10 -145					
13C-PCB-126	86.8	10 -145					
13C-PCB-127	91.8	10 -145					
13C-PCB-138	96.2	10 -145					
13C-PCB-141	98.2	10 -145					
13C-PCB-153	95.6	10 -145					
13C-PCB-155	79.7	10 -145					
13C-PCB-156	96.9	10 -145					
13C-PCB-157	95.6	10 -145					
13C-PCB-159	95.4	10 -145					
13C-PCB-167	95.7	10 -145					
13C-PCB-169	97.0	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**

2001133  
2.0°C

COC ID: VISTA-20200520-140911  
Sample Custodian: SN  
Lab: VISTA

POC: \* Delaney Peterson (360-715-2707)  
1605 Cornwall Avenue, Bellingham, WA 98225  
Project: Gasco PDI  
Client: NW Natural

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
* 001	PDI-1166SC-A-01-02-200520	FD	SE	05/20/2020		1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
* 002	PDI-166SC-A-00-01-200520	N	SE	05/20/2020	8:55	2	<input checked="" type="checkbox"/>	Dioxin/Furans PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
* 003	PDI-166SC-A-01-02-200520	N	SE	05/20/2020	8:55	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
* 004	PDI-166SC-A-02-03-200520	N	SE	05/20/2020	8:55	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
* 005	PDI-166SC-A-03-04-200520	N	SE	05/20/2020	8:55	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
* 006	PDI-166SC-A-04-05-200520	N	SE	05/20/2020	8:55	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
* 007	PDI-166SC-A-05-06-200520	N	SE	05/20/2020	8:55	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C

Comment: \* WO# 2001131

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <i>Sasha Norwood</i>	Signature: <i>William R. Wright</i>	Signature:	Signature:	Signature:	Signature:
Print Name: Sasha Norwood	Print Name: William R. Wright	Print Name:	Print Name:	Print Name:	Print Name:
Company: Anchor OEA	Company: AL	Company:	Company:	Company:	Company:
Date/Time: 5/21/20 0830	Date/Time: 5-22-20 10:00	Date/Time:	Date/Time:	Date/Time:	Date/Time:

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

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

**Project:** Gasco PDI  
**Client:** NW Natural

2001133  
2.0°C

**COC ID:** VISTA-20200520-140911  
**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
007	PDI-166SC-A-05-06-200520	N	SE	05/20/2020	8:55	1	<input type="checkbox"/>	Total solids (VISTA)	SM2540G	30	4°C
008	PDI-166SC-A-06-07-200520	N	SE	05/20/2020	8:55	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
009	PDI-166SC-A-07-08-200520	N	SE	05/20/2020	8:55	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
010	PDI-168SC-A-00-01-200520	N	SE	05/20/2020	12:53	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								PCB Congeners	E1668A	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
011	PDI-168SC-A-01-02-200520	N	SE	05/20/2020	12:53	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
012	PDI-168SC-A-02-03-200520	N	SE	05/20/2020	12:53	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
013	PDI-168SC-A-03-04-200520	N	SE	05/20/2020	12:53	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

Comment: \* WO# 2001131

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:
Print Name: Sasha Norwood	Print Name: William R. Wright	Print Name:	Print Name:	Print Name:	Print Name:
Company: Anchor QEA	Company: VAC	Company:	Company:	Company:	Company:
Date/Time: 5/24/20 0830	Date/Time: 5-22-20 10:00	Date/Time:	Date/Time:	Date/Time:	Date/Time:

\* Lab QC Requested for sample when box is checked \*\* TAT = Turn Around Time in DAYS # POC = Project Point of Contact



**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

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

**Project:** Gasco PDI  
**Client:** NW Natural

2001133  
 2.0°C

**COC ID:** VISTA-20200520-140911  
**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
014	PDI-168SC-A-04-05-200520	N	SE	05/20/2020	12:53	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
015	PDI-168SC-A-05-06-200520	N	SE	05/20/2020	12:53	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
016	PDI-168SC-A-06-07-200520	N	SE	05/20/2020	12:53	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
017	PDI-168SC-A-07-08-200520	N	SE	05/20/2020	12:53	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
018	PDI-172SC-A-00-01-200520	N	SE	05/20/2020	10:51	1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
019	PDI-172SC-A-01-02-200520	N	SE	05/20/2020	10:51	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
020	PDI-172SC-A-02-03-200520	N	SE	05/20/2020	10:51	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C

Comment: \*WO#2001131

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:
Print Name: <i>Sasha Narwan</i>	Print Name: <i>William R. Wright</i>	Print Name:	Print Name:	Print Name:	Print Name:
Company: <i>Anchor QEA</i>	Company: <i>VAL</i>	Company:	Company:	Company:	Company:
Date/Time: <i>5/21/20 0830</i>	Date/Time: <i>5.22.20 10:00</i>	Date/Time:	Date/Time:	Date/Time:	Date/Time:

\* Lab QC Requested for sample when box is checked \*\* TAT = Turn Around Time in DAYS # POC = Project Point of Contact

# Sample Log-In Checklist

 Page # 1 of 1

 Vista Work Order #: 2001133

 TAT Std

<b>Samples Arrival:</b>	<b>Date/Time</b> 5-22-20 10:00	<b>Initials:</b> URW	<b>Location:</b> WR-2
			<b>Shelf/Rack:</b> NA
<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
	<input type="checkbox"/> None		
<b>Temp °C:</b> 2.0 (uncorrected)	<b>Probe used:</b> Y <input checked="" type="checkbox"/> N		<b>Thermometer ID:</b> IL3
<b>Temp °C:</b> 2.0 (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trk # 7705 2425 3348			
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input type="checkbox"/> Vista	<input checked="" type="checkbox"/> Client	<input type="checkbox"/> Retain
			<input checked="" type="checkbox"/> Return
			<input type="checkbox"/> Dispose
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Logged In:</b>	<b>Date/Time</b> 05/26/20 0747	<b>Initials:</b> KS	<b>Location:</b> WR-2
			<b>Shelf/Rack:</b> G-5
COC Anomaly/Sample Acceptance Form completed?			<input type="checkbox"/>
			<input checked="" type="checkbox"/>
			<input checked="" type="checkbox"/>

Comments:

# CoC/Label Reconciliation Report WO# 2001133

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2001133-01	A PDI-166SC-A-00-01-200520	<input checked="" type="checkbox"/>	20-May-20 08:55	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid DUP
2001133-01	B PDI-166SC-A-00-01-200520	<input checked="" type="checkbox"/>	20-May-20 08:55	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid DUP
2001133-02	A PDI-168SC-A-00-01-200520	<input checked="" type="checkbox"/>	20-May-20 12:53	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2001133-03	A PDI-172SC-A-00-01-200520	<input checked="" type="checkbox"/>	20-May-20 10:51	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid

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?	<input checked="" type="checkbox"/>			
Sample Custody Seals Intact?			<input checked="" type="checkbox"/>	
Adequate Sample Volume?	<input checked="" type="checkbox"/>			
Container Type Appropriate for Analysis(es)	<input checked="" type="checkbox"/>			
Preservation Documented: Na2S2O3 Trizma <u>None</u> Other		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			<input checked="" type="checkbox"/>	

Verified by/Date: KS 05/26/20

## **EXTRACTION INFORMATION**

Process Sheet  
**Workorder: 2001133**

Prep Expiration: 2021-05-20  
 Client: Anchor QEA, LLC

**Workorder Due: 22-Jun-20 00:00**

TAT: 31

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

Prep Batch: B0F0004

Prep Data Entered: 06/17/20 RR  
Date and Initials

Initial Sequence: S0F0053

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2001133-01	<input checked="" type="checkbox"/>	PDI-166SC-A-00-01-200520	22-May-20 10:00	WR-2 G-5	DUP
2001133-02	<input checked="" type="checkbox"/>	PDI-168SC-A-00-01-200520	22-May-20 10:00	WR-2 G-5	
2001133-03	<input checked="" type="checkbox"/>	PDI-172SC-A-00-01-200520	22-May-20 10:00	WR-2 G-5	

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

Pre-Prep Check Out: CHT 05/28/20  
 Pre-Prep Check In: CHT 03/28/20

Prep Check Out: AO 06/02/20  
 Prep Check In: AO 06/02/20

Prep Reconciled Initials/Date: CHT 05/28/20  
 Spike Reconciled Initials/Date: AO 06/02/20  
 VialBoxID: 44 SNA  
06/19-2020



PREPARATION BENCH SHEET

Matrix: Solid

B0F0004

Chemist: AO

Method: 1668C Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 02-Jun-20 08:44

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	B0F0004-BLK1	NA	(5.00)	AO 06/02/20	AZ 06/17/20	NA	AZ 06/17/20	NA	NA	RR ME 06/17/20
<input type="checkbox"/>	B0F0004-BS1	J	(5.00)							
<input type="checkbox"/>	B0F0004-DUP1 2001133-01	5.63	5.64							
<input type="checkbox"/>	B0F0004-DUP2 2001154-01	9.21	9.69							
<input type="checkbox"/>	2001133-01	5.63	5.77							
<input type="checkbox"/>	2001133-02	5.77	6.30							
<input type="checkbox"/>	2001133-03	5.50	6.40							
<input type="checkbox"/>	2001154-01	9.21	10.16							
<input type="checkbox"/>	2001154-02	6.94	7.07							
<input type="checkbox"/>	2001154-03	6.74	7.13							
<input type="checkbox"/>	2001156-01	5.41	5.75							

- (A) Crystallized on rotovap AZ 06/17/20
- (B) orange concentrate before cleanup AZ 06/17/20
- (C) yellow concentrate before cleanup AZ 06/17/20

(D) Gray/Purple 44% AZ 06/17/20

IS Name <u>V2</u>	NS Name <u>V3</u>	CRS Name <u>V2</u>	RS Name <u>V2</u>	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out: Chemist/Date: <u>AO 06/02/20</u>
PCDD/F	PCDD/F	PCDD/F	PCDD/F	Start Date/Time: <u>06/02/20 1509</u>	SOLV: <u>Toluene</u>	Check In: Chemist/Date: <u>AO 06/02/20</u>
PCB <u>19B2601, 10uL</u>	PCB <u>19B2602, 10uL</u>	PCB <u>19B2603, 10uL</u>	PCB <u>19B2604, 10uL</u>	Stop Date/Time: <u>06/03/20 729</u>	Other: <u>NA</u>	Balance ID: <u>HRMS-9</u>
PAH	PAH	PAH	PAH	Final Volume(s): <u>Cg 100uL</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



Batch: B0F0004

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2001133-01	5.77 ✓	88.80407	5.1240	100 ✓	02-Jun-20 08:44 ✓	ACO ✓			Sediment	1668C Full List
2001133-02	6.3	86.58228	5.4547	100	02-Jun-20 08:44	ACO			Sediment	1668C Full List
2001133-03	6.4	90.96917	5.8220	100	02-Jun-20 08:44	ACO			Sediment	1668C Full List
2001154-01	10.16	54.29184	5.5161	100	02-Jun-20 08:44	ACO			Sediment	1668C Full List
2001154-02	7.07	72	5.0904	100	02-Jun-20 08:44	ACO			Sediment	1668C Full List
2001154-03	7.13	74.1573	5.2874	100	02-Jun-20 08:44	ACO			Sediment	1668C Full List
2001156-01	5.75	92.39373	5.3126	100	02-Jun-20 08:44	ACO			Sediment	1668C Full List
B0F0004-BLK1	5			100	02-Jun-20 08:44	ACO				QC
B0F0004-BS1	5			100	02-Jun-20 08:44	ACO	19B2602 ✓	10 ✓		QC
B0F0004-DUP1	5.64	88.80407	5.0085	100	02-Jun-20 08:44	ACO				QC
B0F0004-DUP2	9.69 ✓	54.29184	5.2609	100 ✓	02-Jun-20 08:44 ✓	ACO ✓				QC

All bolded data on report verified against written benchsheet by (initial/date) RR / 06/17/20

Printed: 6/17/2020 3:16:39PM  
Page 1 of 1

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0E0237

Analyst: CHT	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <i>CHT 06/02/20</i>
Analyte: Dried at 110°C+/-5°C	Units: %	
Oven ID: 01 02		

Inst HRMS-9 Date/Time IN: 05/28/20 1416 Date/Time OUT: 05/29/20 0849

Particle Size	SampleID	Sample Type	Initial and Date:		Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	CHT 05/28/20				Sample Homogenized*	
			Pan Tare Wt. (gms)	CHT 03/28/20					CHT 05/29/20	Visual Inspection	Cl- Before	pH After		Acid Added
	2001133-01	Sample	1.3000		5.2300	4.7900	3.4900	88.80	SOIL	NA	NA	NA	NA	X
	2001133-02	Sample	1.2900		5.2400	4.7100	3.4200	86.58	SOIL	NA	NA	NA	NA	X
	2001133-03	Sample	1.2900		5.8300	5.4200	4.1300	90.97	SOIL	NA	NA	NA	NA	X

\*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0E0237

Analyst: <b>CHT</b> Analyte: Oven ID: 01 <b>(2)</b>	Test Code: %Moist/%Solids Units: % Dried at 110°C+/-5°C	Data Entry Verified by: (Initial and Date) _____
---	---	---

Inst \_\_\_\_\_ Date/Time IN: **05/26/20** Date/Time OUT: \_\_\_\_\_

Particle Size	SampID	SampType	Initial and Date:	Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added	Sample Homogenized*
	2001133-01	Sample	<b>CHT 05/26/20</b>		<b>5.23</b>	<b>4.79</b>								
	2001133-02	Sample	<b>CHT 05/26/20</b>	<b>1.29</b>	<b>5.24</b>	<b>4.71</b>								
	2001133-03	Sample	<b>CHT 05/26/20</b>	<b>1.29</b>	<b>5.83</b>	<b>5.42</b>	<b>5.42</b>							

\*Sample homogenized in sample container unless otherwise noted.

**SAMPLE DATA – EPA METHOD 1668C**

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-4.qld

Last Altered: Friday, June 19, 2020 10:33:15 Pacific Daylight Time  
Printed: Friday, June 19, 2020 10:33:36 Pacific Daylight Time

*He 6-19-2020*

*(-1 07/09/2020)*

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: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	Check RRT	Conc	%Rec	DL	EMPC
1	1 PCB-1			NO	1.17	5.000	15.52		1.001		YES			0.312	
2	2 PCB-2			NO	1.18	5.000	17.94		0.988		YES			0.302	
3	3 PCB-3			NO	1.15	5.000	18.17		1.001		YES			0.312	
4	4 PCB-4/10			NO	1.25	5.000	19.59		1.004		YES			1.31	
5	5 PCB-7/9			NO	0.960	5.000	21.38		1.003		YES			1.07	
6	6 PCB-6			NO	1.02	5.000	22.04		1.033		YES			1.00	
7	7 PCB-5/8			NO	0.992	5.000	22.44		1.052		YES			1.04	
8	8 PCB-14			NO	1.02	5.000	23.58		0.952		YES			1.04	
9	9 PCB-11			NO	1.13	5.000	24.80		1.001		YES			0.941	
10	10 PCB-12/13			NO	1.03	5.000	25.23		1.018		YES			1.03	
11	11 PCB-15			NO	1.03	5.000	25.54		1.031		YES			1.02	
12	12 PCB-19			NO	1.11	5.000	23.77		1.001		YES			0.743	
13	13 PCB-30			NO	1.79	5.000	24.67		1.039		YES			0.458	
14	14 PCB-18			NO	0.818	5.000	25.45		0.952		YES			0.718	
15	15 PCB-17			NO	0.758	5.000	25.63		0.958		YES			0.774	
16	16 PCB-24/27			NO	1.08	5.000	26.24		0.981		YES			0.542	
17	17 PCB-16/32			NO	0.925	5.000	26.76		1.001		YES			0.634	
18	18 PCB-34			NO	0.945	5.000	27.56		0.959		YES			0.479	
19	19 PCB-23			NO	0.883	5.000	27.65		0.962		YES			0.513	
20	20 PCB-29			NO	0.893	5.000	27.91		0.971		YES			0.507	
21	21 PCB-26			NO	0.944	5.000	28.14		0.979		YES			0.480	
22	22 PCB-25			NO	0.950	5.000	28.29		0.984		YES			0.477	
23	23 PCB-31			NO	1.04	5.000	28.66		0.997		YES			0.437	
24	24 PCB-28			NO	1.03	5.000	28.77		1.001		YES			0.442	
25	25 PCB-20/21/33			NO	0.941	5.000	29.41		1.023		YES			0.481	
26	26 PCB-22			NO	0.973	5.000	29.85		1.038		YES			0.466	
27	27 PCB-36			NO	1.08	5.000	30.50		0.931		YES			0.481	
28	28 PCB-39			NO	0.988	5.000	30.98		0.946		YES			0.523	
29	29 PCB-38			NO	1.05	5.000	31.78		0.970		YES			0.492	
30	30 PCB-35			NO	1.04	5.000	32.32		0.987		YES			0.496	
31	31 PCB-37			NO	1.01	5.000	32.77		1.001		YES			0.513	
32	32 PCB-54			NO	1.08	5.000	27.62		1.001		YES			0.324	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-4.qld

Last Altered: Friday, June 19, 2020 10:33:15 Pacific Daylight Time

Printed: Friday, June 19, 2020 10:33:36 Pacific Daylight Time

Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, 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			0.397	
34	34 PCB-53			NO	0.997	5.000	29.50		0.944		YES			0.436	
35	35 PCB-51			NO	1.07	5.000	29.84		0.955		YES			0.408	
36	36 PCB-45			NO	0.858	5.000	30.29		0.969		YES			0.506	
37	37 PCB-46			NO	0.831	5.000	30.78		0.985		YES			0.523	
38	38 PCB-52/69			NO	1.17	5.000	31.28		1.001		YES			0.372	
39	39 PCB-73			NO	1.44	5.000	31.39		1.005		YES			0.301	
40	40 PCB-43/49			NO	1.02	5.000	31.57		1.010		YES			0.427	
41	41 PCB-47			NO	0.922	5.000	31.79		1.001		YES			0.457	
42	42 PCB-48/75			NO	1.12	5.000	31.90		1.004		YES			0.376	
43	43 PCB-65			NO	1.28	5.000	32.17		1.013		YES			0.328	
44	44 PCB-62			NO	1.13	5.000	32.28		1.016		YES			0.373	
45	45 PCB-44			NO	0.824	5.000	32.62		1.027		YES			0.511	
46	46 PCB-42/59			NO	1.05	5.000	32.85		1.034		YES			0.401	
47	47 PCB-41/64/71/72			NO	1.19	5.000	33.45		1.053		YES			0.355	
48	48 PCB-68			NO	1.28	5.000	33.70		1.061		YES			0.330	
49	49 PCB-40			NO	0.602	5.000	33.93		1.068		YES			0.699	
50	50 PCB-57			NO	1.16	5.000	34.30		0.969		YES			0.298	
51	51 PCB-67			NO	1.08	5.000	34.62		0.978		YES			0.320	
52	52 PCB-58			NO	1.20	5.000	34.74		0.982		YES			0.288	
53	53 PCB-63			NO	1.07	5.000	34.90		0.986		YES			0.323	
54	54 PCB-74			NO	1.19	5.000	35.20		0.994		YES			0.293	
55	55 PCB-61/70			NO	1.05	5.000	35.41		1.000		YES			0.329	
56	56 PCB-76/66			NO	1.16	5.000	35.60		1.006		YES			0.298	
57	57 PCB-80			NO	1.19	5.000	35.84		1.001		YES			0.290	
58	58 PCB-55			NO	1.17	5.000	36.16		1.010		YES			0.295	
59	59 PCB-56/60			NO	1.02	5.000	36.68		1.024		YES			0.338	
60	60 PCB-79			NO	1.14	5.000	37.78		1.055		YES			0.302	
61	61 PCB-78			NO	1.14	5.000	38.50		0.987		YES			0.322	
62	62 PCB-81			NO	1.05	5.000	39.04		1.000		YES			0.350	
63	63 PCB-77			NO	1.14	5.000	39.66		1.000		YES			0.338	
64	64 PCB-104			NO	1.12	5.000	32.46		1.001		YES			0.486	
65	65 PCB-96			NO	1.15	5.000	33.78		1.041		YES			0.472	
66	66 PCB-103			NO	0.936	5.000	34.34		1.059		YES			0.582	
67	67 PCB-100			NO	0.954	5.000	34.69		1.069		YES			0.572	
68	68 PCB-94			NO	0.949	5.000	35.18		0.985		YES			0.752	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-4.qld

Last Altered: Friday, June 19, 2020 10:33:15 Pacific Daylight Time

Printed: Friday, June 19, 2020 10:33:36 Pacific Daylight Time

Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

#	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			NO	1.20	5.000	35.65		0.999		YES			0.592	
70	70 PCB-93			NO	0.935	5.000	35.77		1.002		YES			0.763	
71	71 PCB-88/91			NO	1.06	5.000	36.12		1.012		YES			0.670	
72	72 PCB-121			NO	1.71	5.000	36.21		1.015		YES			0.417	
73	73 PCB-84/92			NO	1.02	5.000	37.08		0.990		YES			0.711	
74	74 PCB-89			NO	1.11	5.000	37.25		0.995		YES			0.654	
75	75 PCB-90/101			NO	1.12	5.000	37.46		1.000		YES			0.644	
76	76 PCB-113			NO	1.51	5.000	37.70		1.007		YES			0.478	
77	77 PCB-99			NO	1.32	5.000	37.79		1.009		YES			0.547	
78	78 PCB-119			NO	1.81	5.000	38.28		0.987		YES			0.445	
79	79 PCB-108/112			NO	1.44	5.000	38.44		0.991		YES			0.555	
80	80 PCB-83			NO	1.83	5.000	38.59		0.995		YES			0.438	
81	81 PCB-97			NO	1.28	5.000	38.80		1.000		YES			0.626	
82	82 PCB-86			NO	1.12	5.000	38.95		1.004		YES			0.718	
83	83 PCB-87/117/125			NO	1.56	5.000	39.10		1.008		YES			0.515	
84	84 PCB-111/115			NO	1.91	5.000	39.25		1.012		YES			0.420	
85	85 PCB-85/116			NO	1.41	5.000	39.38		1.015		YES			0.569	
86	86 PCB-120			NO	2.01	5.000	39.64		1.022		YES			0.400	
87	87 PCB-110			NO	1.74	5.000	39.77		1.026		YES			0.460	
88	88 PCB-82			NO	0.781	5.000	40.44		0.976		YES			0.805	
89	89 PCB-124			NO	1.40	5.000	41.15		0.993		YES			0.450	
90	90 PCB-107/109			NO	1.34	5.000	41.29		0.996		YES			0.469	
91	91 PCB-123			NO	1.20	5.000	41.46		1.000		YES			0.525	
92	92 PCB-106/118			NO	1.22	5.000	41.67		1.001		YES			0.471	
93	93 PCB-114			NO	1.14	5.000	42.33		1.000		YES			0.326	
94	94 PCB-122			NO	0.944	5.000	42.47		1.004		YES			0.394	
95	95 PCB-105			NO	1.05	5.000	43.21		1.000		YES			0.350	
96	96 PCB-127			NO	1.06	5.000	43.55		1.000		YES			0.333	
97	97 PCB-126			NO	1.17	5.000	45.52		1.000		YES			0.340	
98	98 PCB-155			NO	1.04	5.000	36.98		1.000		YES			0.461	
99	99 PCB-150			NO	1.08	5.000	38.30		1.036		YES			0.444	
100	1... PCB-152			NO	1.19	5.000	38.78		1.049		YES			0.406	
101	1... PCB-145			NO	1.19	5.000	39.25		1.062		YES			0.405	
102	1... PCB-136			NO	1.02	5.000	39.58		1.071		YES			0.472	
103	1... PCB-148			NO	0.842	5.000	39.69		1.074		YES			0.572	
104	1... PCB-154			NO	0.919	5.000	40.20		1.088		YES			0.524	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-4.qld

Last Altered: Friday, June 19, 2020 10:33:15 Pacific Daylight Time

Printed: Friday, June 19, 2020 10:33:36 Pacific Daylight Time

Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	FA	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			0.612	
106	1... PCB-135			NO	0.922	5.000	41.07		1.111		YES			0.522	
107	1... PCB-144			NO	0.789	5.000	41.18		1.114		YES			0.610	
108	1... PCB-147			NO	0.834	5.000	41.31		1.118		YES			0.577	
109	1... PCB-139/149			NO	0.948	5.000	41.60		1.125		YES			0.508	
110	1... PCB-140			NO	0.794	5.000	41.78		1.130		YES			0.607	
111	1... PCB-134/143			NO	0.759	5.000	42.28		0.975		YES			0.304	
112	1... PCB-131/133			NO	0.821	5.000	42.58		0.982		YES			0.281	
113	1... PCB-142			NO	0.754	5.000	42.72		0.985		YES			0.306	
114	1... PCB-146/165			NO	1.02	5.000	42.97		0.991		YES			0.227	
115	1... PCB-132/161			NO	1.02	5.000	43.20		0.996		YES			0.225	
116	1... PCB-153			NO	1.07	5.000	43.38		1.000		YES			0.215	
117	1... PCB-168			NO	1.08	5.000	43.61		1.006		YES			0.214	
118	1... PCB-141			NO	1.03	5.000	44.14		1.000		YES			0.261	
119	1... PCB-137			NO	1.11	5.000	44.54		1.010		YES			0.241	
120	1... PCB-130			NO	0.885	5.000	44.64		1.012		YES			0.302	
121	1... PCB-138/163/164			NO	1.28	5.000	45.03		1.001		YES			0.205	
122	1... PCB-158/160			NO	1.24	5.000	45.28		1.006		YES			0.212	
123	1... PCB-129			NO	0.867	5.000	45.54		1.012		YES			0.304	
124	1... PCB-166			NO	1.14	5.000	46.01		0.993		YES			0.196	
125	1... PCB-159			NO	1.22	5.000	46.34		1.000		YES			0.184	
126	1... PCB-128/162			NO	0.907	5.000	46.63		1.007		YES			0.247	
127	1... PCB-167			NO	1.11	5.000	47.04		1.000		YES			0.202	
128	1... PCB-156			NO	1.13	5.000	48.37		1.000		YES			0.198	
129	1... PCB-157			NO	1.04	5.000	48.67		1.001		YES			0.223	
130	1... PCB-169			NO	1.16	5.000	50.91		1.000		YES			0.217	
131	1... PCB-188			NO	1.29	5.000	43.01		1.001		YES			0.283	
132	1... PCB-184			NO	1.23	5.000	43.44		1.011		YES			0.297	
133	1... PCB-179			NO	1.30	5.000	44.26		1.030		YES			0.282	
134	1... PCB-176			NO	1.31	5.000	44.72		1.041		YES			0.279	
135	1... PCB-186			NO	1.33	5.000	45.35		1.055		YES			0.275	
136	1... PCB-178			NO	0.943	5.000	45.87		1.067		YES			0.387	
137	1... PCB-175			NO	0.956	5.000	46.22		1.076		YES			0.382	
138	1... PCB-182/187			NO	1.07	5.000	46.40		1.080		YES			0.343	
139	1... PCB-183			NO	1.02	5.000	46.74		1.088		YES			0.357	
140	1... PCB-185			NO	1.41	5.000	47.42		0.955		YES			0.365	



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-4.qld

Last Altered: Friday, June 19, 2020 10:33:15 Pacific Daylight Time  
Printed: Friday, June 19, 2020 10:33:36 Pacific Daylight Time

Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, 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			0.379	
142	1... PCB-181			NO	1.47	5.000	47.90		0.964		YES			0.348	
143	1... PCB-177			NO	1.28	5.000	48.06		0.968		YES			0.401	
144	1... PCB-171			NO	1.32	5.000	48.36		0.974		YES			0.389	
145	1... PCB-173			NO	1.19	5.000	48.80		0.983		YES			0.431	
146	1... PCB-172			NO	1.38	5.000	49.28		0.992		YES			0.373	
147	1... PCB-192			NO	1.83	5.000	49.47		0.996		YES			0.281	
148	1... PCB-180			NO	1.41	5.000	49.69		1.000		YES			0.363	
149	1... PCB-193			NO	1.68	5.000	49.90		1.005		YES			0.306	
150	1... PCB-191			NO	1.71	5.000	50.17		1.010		YES			0.300	
151	1... PCB-170			NO	1.40	5.000	51.36		1.000		YES			0.426	
152	1... PCB-190			NO	1.85	5.000	51.55		1.004		YES			0.323	
153	1... PCB-189			NO	1.45	5.000	53.09		1.000		YES			0.269	
154	1... PCB-202			NO	1.17	5.000	48.59		1.001		YES			0.240	
155	1... PCB-201			NO	1.05	5.000	49.09		1.011		YES			0.267	
156	1... PCB-204			NO	1.14	5.000	49.23		1.014		YES			0.246	
157	1... PCB-197			NO	1.13	5.000	49.55		1.020		YES			0.248	
158	1... PCB-200			NO	1.07	5.000	50.48		1.040		YES			0.262	
159	1... PCB-198			NO	0.794	5.000	52.06		1.072		YES			0.354	
160	1... PCB-199			NO	0.809	5.000	52.16		1.074		YES			0.347	
161	1... PCB-196/203			NO	0.838	5.000	52.48		1.081		YES			0.335	
162	1... PCB-195			NO	1.04	5.000	53.78		0.984		YES			0.176	
163	1... PCB-194	2.09e2	1.65	YES	1.12	5.000	54.70	54.70	1.000	1.000	NO	0.82e6		0.184	0.5897
164	1... PCB-205			NO	1.29	5.000	54.97		1.005		YES			0.142	
165	1... PCB-208			NO	0.933	5.000	53.94		1.000		YES			0.165	
166	1... PCB-207			NO	0.916	5.000	54.26		1.006		YES			0.168	
167	1... PCB-206			NO	1.01	5.000	56.24		1.000		YES			0.211	
168	1... PCB-209			NO	0.986	5.000	57.45		1.000		YES			0.456	
169	1... 13C-PCB-1	1.02e6	3.27	NO	0.893	5.000	15.50	15.51	0.608	0.608	NO	1545	77.2	1.85	
170	1... 13C-PCB-3	1.06e6	3.34	NO	0.911	5.000	18.15	18.16	0.712	0.712	NO	1576	78.8	1.81	
171	1... 13C-PCB-4	8.27e5	1.60	NO	0.600	5.000	19.50	19.51	0.765	0.765	NO	1860	93.0	1.01	
172	1... 13C-PCB-9	1.32e6	1.59	NO	0.970	5.000	21.33	21.33	0.836	0.836	NO	1836	91.8	0.623	
173	1... 13C-PCB-11	1.33e6	1.57	NO	0.962	5.000	24.77	24.78	0.971	0.972	NO	1861	93.1	0.628	
174	1... 13C-PCB-19	5.64e5	1.03	NO	0.499	5.000	23.74	23.74	0.931	0.931	NO	1526	76.3	9.56	
175	1... 13C-PCB-32	8.42e5	1.06	NO	0.744	5.000	26.72	26.74	1.048	1.049	NO	1527	76.3	6.41	
176	1... 13C-PCB-28	1.26e6	1.03	NO	1.06	5.000	28.75	28.75	1.004	1.004	NO	1924	96.2	7.39	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-4.qld

Last Altered: Friday, June 19, 2020 10:33:15 Pacific Daylight Time

Printed: Friday, June 19, 2020 10:33:36 Pacific Daylight Time

Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, 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	1.16e6	1.05	NO	0.989	5.000	32.73	32.75	1.143	1.144	NO	1911	95.6	7.96	
178	1... 13C-PCB-54	8.03e5	0.77	NO	0.999	5.000	27.62	27.60	0.753	0.752	NO	1965	98.3	2.43	
179	1... 13C-PCB-52	6.50e5	0.79	NO	0.804	5.000	31.26	31.25	0.852	0.852	NO	1977	98.9	3.02	
180	1... 13C-PCB-47	6.84e5	0.77	NO	0.857	5.000	31.78	31.77	0.866	0.866	NO	1951	97.6	2.84	
181	1... 13C-PCB-70	8.18e5	0.79	NO	0.996	5.000	35.41	35.40	0.965	0.965	NO	2009	100	2.44	
182	1... 13C-PCB-80	8.29e5	0.79	NO	1.03	5.000	35.84	35.82	0.977	0.977	NO	1972	98.6	2.36	
183	1... 13C-PCB-81	8.07e5	0.78	NO	0.988	5.000	39.04	39.02	1.064	1.064	NO	1997	99.8	2.46	
184	1... 13C-PCB-77	7.83e5	0.80	NO	0.969	5.000	39.66	39.64	1.081	1.081	NO	1977	98.8	2.51	
185	1... 13C-PCB-104	4.52e5	1.58	NO	1.02	5.000	32.44	32.44	0.827	0.827	NO	2051	103	1.45	
186	1... 13C-PCB-95	3.53e5	1.62	NO	0.805	5.000	35.69	35.69	0.910	0.910	NO	2025	101	1.83	
187	1... 13C-PCB-101	3.45e5	1.68	NO	0.793	5.000	37.44	37.44	0.954	0.954	NO	2011	101	1.86	
188	1... 13C-PCB-97	3.12e5	1.61	NO	0.696	5.000	38.78	38.78	0.989	0.989	NO	2066	103	2.12	
189	1... 13C-PCB-123	4.15e5	1.64	NO	0.933	5.000	41.42	41.44	1.056	1.056	NO	2053	103	1.58	
190	1... 13C-PCB-118	4.44e5	1.64	NO	0.986	5.000	41.61	41.63	1.061	1.061	NO	2079	104	1.50	
191	1... 13C-PCB-114	7.78e5	1.53	NO	1.55	5.000	42.29	42.30	0.908	0.908	NO	2244	112	1.61	
192	1... 13C-PCB-105	7.91e5	1.56	NO	1.57	5.000	43.17	43.19	0.927	0.927	NO	2244	112	1.59	
193	1... 13C-PCB-127	8.07e5	1.58	NO	1.62	5.000	43.53	43.54	0.934	0.935	NO	2215	111	1.53	
194	1... 13C-PCB-126	7.65e5	1.61	NO	1.57	5.000	45.49	45.51	0.976	0.977	NO	2175	109	1.59	
195	1... 13C-PCB-155	2.16e5	1.36	NO	0.615	5.000	36.96	36.96	0.942	0.942	NO	1622	81.1	0.471	
196	1... 13C-PCB-153	6.26e5	1.28	NO	1.36	5.000	43.34	43.37	0.930	0.931	NO	2044	102	1.83	
197	1... 13C-PCB-141	5.19e5	1.30	NO	1.13	5.000	44.11	44.12	0.947	0.947	NO	2050	103	2.22	
198	1... 13C-PCB-138	5.41e5	1.30	NO	1.18	5.000	44.97	44.99	0.965	0.966	NO	2036	102	2.11	
199	1... 13C-PCB-159	6.52e5	1.27	NO	1.44	5.000	46.30	46.32	0.994	0.994	NO	2020	101	1.74	
200	2... 13C-PCB-167	6.30e5	1.28	NO	1.44	5.000	47.01	47.02	1.009	1.009	NO	1951	97.5	1.73	
201	2... 13C-PCB-156	6.39e5	1.32	NO	1.40	5.000	48.32	48.35	1.037	1.038	NO	2040	102	1.79	
202	2... 13C-PCB-157	6.35e5	1.28	NO	1.40	5.000	48.61	48.63	1.043	1.044	NO	2026	101	1.79	
203	2... 13C-PCB-169	5.98e5	1.28	NO	1.33	5.000	50.89	50.89	1.092	1.092	NO	2004	100	1.88	
204	2... 13C-PCB-188	4.34e5	0.45	NO	1.41	5.000	42.98	42.97	0.926	0.926	NO	2048	102	1.68	
205	2... 13C-PCB-180	2.97e5	0.46	NO	0.929	5.000	49.67	49.67	1.070	1.070	NO	2129	106	2.56	
206	2... 13C-PCB-170	2.59e5	0.45	NO	0.794	5.000	51.35	51.34	1.106	1.106	NO	2167	108	2.99	
207	2... 13C-PCB-189	3.44e5	0.45	NO	1.04	5.000	53.09	53.06	1.144	1.143	NO	2190	110	2.27	
208	2... 13C-PCB-202	2.77e5	0.94	NO	1.04	5.000	48.57	48.56	1.046	1.046	NO	1782	89.1	1.53	
209	2... 13C-PCB-194	4.54e5	0.90	NO	0.768	5.000	54.71	54.69	0.995	0.995	NO	1992	99.6	2.36	
210	2... 13C-PCB-208	5.37e5	0.78	NO	0.991	5.000	53.93	53.93	0.981	0.981	NO	1827	91.4	2.23	
211	2... 13C-PCB-206	3.78e5	0.79	NO	0.552	5.000	56.22	56.22	1.023	1.023	NO	2310	115	4.01	
212	2... 13C-PCB-209	3.30e5	1.22	NO	0.396	5.000	57.48	57.45	1.046	1.045	NO	2809	140	0.586	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-4.qld

Last Altered: Friday, June 19, 2020 10:33:15 Pacific Daylight Time  
Printed: Friday, June 19, 2020 10:33:36 Pacific Daylight Time

Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

#	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	1.48e6	1.58	NO	1.00	5.000	25.51	25.50	1.000	0.000	NO	2000	100	0.604	
214	2... 13C-PCB-31	1.23e6	1.03	NO	1.00	5.000	28.64	28.64	1.000	0.000	NO	2000	100	7.87	
215	2... 13C-PCB-60	8.18e5	0.79	NO	1.00	5.000	36.66	36.68	1.000	0.000	NO	2000	100	2.43	
216	2... 13C-PCB-111	4.33e5	1.64	NO	1.00	5.000	39.23	39.23	1.000	0.000	NO	2000	100	1.47	
217	2... 13C-PCB-128	4.49e5	1.29	NO	1.00	5.000	46.59	46.59	1.000	0.000	NO	2000	100	2.50	
218	2... 13C-PCB-182	3.01e5	0.46	NO	1.00	5.000	46.40	46.42	0.000	0.000	NO	2000	100	2.37	
219	2... 13C-PCB-205	5.93e5	0.91	NO	1.00	5.000	54.97	54.97	1.000	0.000	NO	2000	100	1.81	
220	2... 13C-PCB-79	9.00e5	0.77	NO	1.07	5.000	37.78	37.76	1.030	1.029	NO	2059	103	2.27	
221	2... 13C-PCB-178	3.09e5	0.45	NO	0.766	5.000	45.86	45.87	0.988	0.988	NO	1796	89.8	2.10	
222	2... 13C-PCB-79	9.00e5	0.77	NO	1.08	5.000	37.76	37.76	0.968	0.968	NO	2062	103	2.26	
223	2... 13C-PCB-178	3.09e5	0.45	NO	1.05	5.000	45.85	45.87	0.923	0.923	NO	1976	98.8	2.19	
224	2... Total Mono-PCBs				1.17	5.000	0.00		0.000		NO			0.926	0.312
225	2... Total Di-PCBs				1.05	5.000	0.00		0.000		NO			8.46	1.31
226	2... 2nd Function Tri-PCBs				1.08	5.000	0.00		0.000		NO			3.87	
227	2... 3rd Function Tri-PCBs				0.983	5.000	0.00		0.000		NO			6.79	>0.774
228	2... Total Tetra-PCBs				1.08	5.000	0.00		0.000		NO			17.8	0.699
229	2... 3rd Function Penta-PCBs				1.32	5.000	0.00		0.000		NO			18.2	
230	2... 4th Function Penta-PCBs				1.07	5.000	0.00		0.000		NO			1.74	0.805
231	2... 3rd Function Hexa-PCBs				0.951	5.000	0.00		0.000		NO			6.72	0.612
232	2... 4th Function Hexa-PCBs				1.03	5.000	0.00		0.000		NO			4.76	
233	2... Total Hepta-PCBs				1.36	5.000	0.00		0.000		NO			7.84	0.431
234	2... 4th Function Octa-PCBs				1.00	5.000	0.00		0.000		NO			2.30	
235	2... 5th Function Octa-PCBs				1.15	5.000	0.00		0.000		NO	0.0000		0.482	0.5897
236	2... Total Nona-PCBs				0.952	5.000	0.00		0.000		NO			0.544	0.211
237	2... Deca-CB				0.986	5.000	0.00		0.000		NO			0.456	
238	2... Total PCBs														

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Dataset: U:\VG11.PRO\Results\200617K1\200617K1-4.qld

Last Altered: Friday, June 19, 2020 10:33:15 Pacific Daylight Time

Printed: Friday, June 19, 2020 10:34:10 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

ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

Total Mono-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Total Di-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

2nd Function Tri-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

3rd Function Tri-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Total Tetra-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

3rd Function Penta-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

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Dataset: U:\VG11.PRO\Results\200617K1\200617K1-4.qld

Last Altered: Friday, June 19, 2020 10:33:15 Pacific Daylight Time

Printed: Friday, June 19, 2020 10:34:10 Pacific Daylight Time

ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

**4th Function Penta-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**3rd Function Hexa-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**4th Function Hexa-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**Total Hepta-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**4th Function Octa-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**5th Function Octa-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL	
1	PCB-194	54.70	54.70	2.726e3	1.439e3	1.302e2	7.896e1	1.65	YES	2.092e2	0.00000	0.58972	0.164

**Total Nona-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

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**ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank**

**Deca-CB**

Name	Pred.R	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**Total PCBs**

Name	Pred.R	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**Total Mono-Isotopes**

Name	Pred.R	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.50	15.51	1.316e7	4.044e6	7.832e5	2.394e5	3.27	NO	1.023e6	1544.9	1.85
2	13C-PCB-3	18.15	18.16	1.347e7	3.965e6	8.186e5	2.448e5	3.34	NO	1.063e6	1575.6	1.81

**Total Di-Isotopes**

Name	Pred.R	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.50	19.51	8.209e6	5.192e6	5.084e5	3.185e5	1.60	NO	8.268e5	1860.3	1.01
2	13C-PCB-9	21.33	21.33	1.309e7	8.341e6	8.100e5	5.086e5	1.59	NO	1.319e6	1835.7	0.623
3	13C-PCB-11	24.77	24.78	1.262e7	8.155e6	8.091e5	5.165e5	1.57	NO	1.326e6	1861.1	0.628
4	13C-PCB-15	25.51	25.50	1.392e7	8.803e6	9.063e5	5.754e5	1.58	NO	1.482e6	2000.0	0.604

**2nd Function Tri-Isotopes**

Name	Pred.R	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.74	23.74	4.548e6	4.367e6	2.866e5	2.776e5	1.03	NO	5.641e5	1526.4	9.56
2	13C-PCB-32	26.72	26.74	6.443e6	6.165e6	4.324e5	4.092e5	1.06	NO	8.417e5	1526.8	6.41

**3rd Function Tri-Isotopes**

Name	Pred.R	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.64	28.64	8.460e6	8.195e6	6.220e5	6.052e5	1.03	NO	1.227e6	2000.0	7.87
2	13C-PCB-28	28.75	28.75	8.609e6	8.198e6	6.384e5	6.179e5	1.03	NO	1.256e6	1923.8	7.39
3	13C-PCB-37	32.73	32.75	7.588e6	7.187e6	5.933e5	5.668e5	1.05	NO	1.160e6	1911.4	7.96

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Tetra-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.62	27.60	4.692e6	6.048e6	3.505e5	4.526e5	0.77	NO	8.031e5	1965.4		2.43
2	13C-PCB-52	31.26	31.25	3.828e6	4.824e6	2.877e5	3.624e5	0.79	NO	6.502e5	1977.2		3.02
3	13C-PCB-47	31.78	31.77	3.889e6	5.031e6	2.982e5	3.858e5	0.77	NO	6.840e5	1951.2		2.84
4	13C-PCB-70	35.41	35.40	4.765e6	6.023e6	3.598e5	4.582e5	0.79	NO	8.180e5	2009.2		2.44
5	13C-PCB-80	35.84	35.82	4.828e6	6.016e6	3.670e5	4.622e5	0.79	NO	8.291e5	1972.2		2.36
6	13C-PCB-60	36.66	36.68	4.550e6	5.732e6	3.601e5	4.576e5	0.79	NO	8.178e5	2000.0		2.43
7	13C-PCB-79	37.78	37.76	5.041e6	6.478e6	3.927e5	5.072e5	0.77	NO	8.999e5	2059.1		2.27
8	13C-PCB-81	39.04	39.02	4.498e6	5.778e6	3.538e5	4.528e5	0.78	NO	8.067e5	1996.9		2.46
9	13C-PCB-77	39.66	39.64	4.335e6	5.460e6	3.472e5	4.358e5	0.80	NO	7.830e5	1976.9		2.51

3rd Function Penta-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.44	32.44	3.649e6	2.279e6	2.769e5	1.747e5	1.58	NO	4.516e5	2050.8		1.45
2	13C-PCB-95	35.69	35.69	2.813e6	1.742e6	2.186e5	1.348e5	1.62	NO	3.533e5	2025.4		1.83
3	13C-PCB-101	37.44	37.44	2.810e6	1.700e6	2.163e5	1.291e5	1.68	NO	3.454e5	2011.4		1.86
4	13C-PCB-97	38.78	38.78	2.496e6	1.558e6	1.925e5	1.193e5	1.61	NO	3.117e5	2066.2		2.12
5	13C-PCB-111	39.23	39.23	3.449e6	2.145e6	2.691e5	1.642e5	1.64	NO	4.333e5	2000.0		1.47
6	13C-PCB-123	41.42	41.44	3.209e6	1.947e6	2.580e5	1.569e5	1.64	NO	4.148e5	2052.6		1.58
7	13C-PCB-118	41.61	41.63	3.507e6	2.124e6	2.758e5	1.681e5	1.64	NO	4.439e5	2078.9		1.50

4th Function Penta-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.29	42.30	6.044e6	3.932e6	4.710e5	3.073e5	1.53	NO	7.783e5	2243.6		1.61
2	13C-PCB-105	43.17	43.19	6.152e6	3.904e6	4.817e5	3.096e5	1.56	NO	7.913e5	2243.8		1.59
3	13C-PCB-127	43.53	43.54	6.457e6	4.037e6	4.946e5	3.125e5	1.58	NO	8.071e5	2214.8		1.53
4	13C-PCB-126	45.49	45.51	5.753e6	3.570e6	4.722e5	2.928e5	1.61	NO	7.650e5	2175.3		1.59

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**4th Function Hexa-Isotopes**

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.34	43.37	4.355e6	3.401e6	3.514e5	2.742e5	1.28	NO	6.256e5	2043.7		1.83
2	13C-PCB-141	44.11	44.12	3.771e6	2.867e6	2.930e5	2.256e5	1.30	NO	5.186e5	2050.1		2.22
3	13C-PCB-138	44.97	44.99	3.838e6	2.983e6	3.056e5	2.354e5	1.30	NO	5.411e5	2036.2		2.11
4	13C-PCB-159	46.30	46.32	4.468e6	3.566e6	3.649e5	2.871e5	1.27	NO	6.520e5	2019.6		1.74
5	13C-PCB-128	46.59	46.59	3.138e6	2.459e6	2.528e5	1.957e5	1.29	NO	4.486e5	2000.0		2.50
6	13C-PCB-167	47.01	47.02	4.485e6	3.494e6	3.539e5	2.762e5	1.28	NO	6.301e5	1950.6		1.73
7	13C-PCB-156	48.32	48.35	4.550e6	3.481e6	3.632e5	2.760e5	1.32	NO	6.392e5	2040.2		1.79
8	13C-PCB-157	48.61	48.63	4.336e6	3.383e6	3.561e5	2.785e5	1.28	NO	6.347e5	2025.7		1.79
9	13C-PCB-169	50.89	50.89	3.995e6	3.105e6	3.357e5	2.625e5	1.28	NO	5.982e5	2003.6		1.88

**5th Function Octa-Isotopes**

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.71	54.69	3.875e6	4.296e6	2.142e5	2.393e5	0.90	NO	4.535e5	1992.0		2.36
2	13C-PCB-205	54.97	54.97	4.999e6	5.444e6	2.828e5	3.101e5	0.91	NO	5.929e5	2000.0		1.81



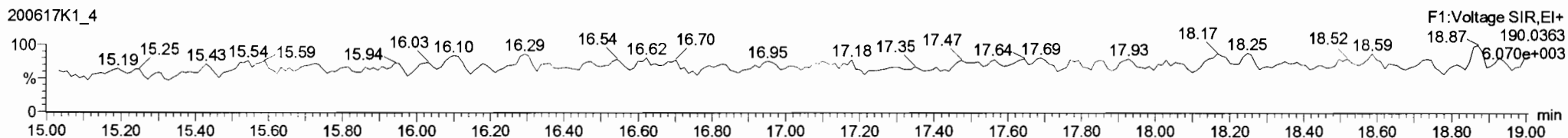
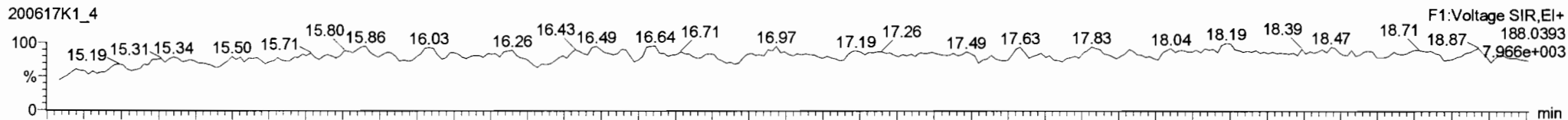
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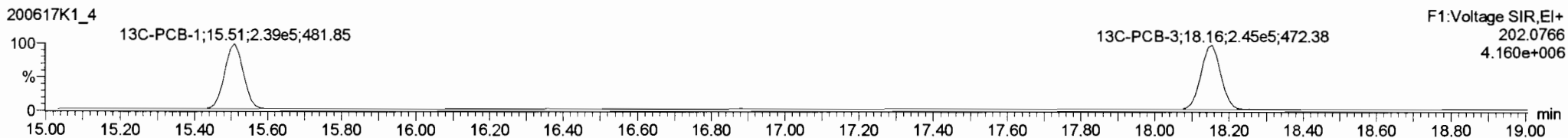
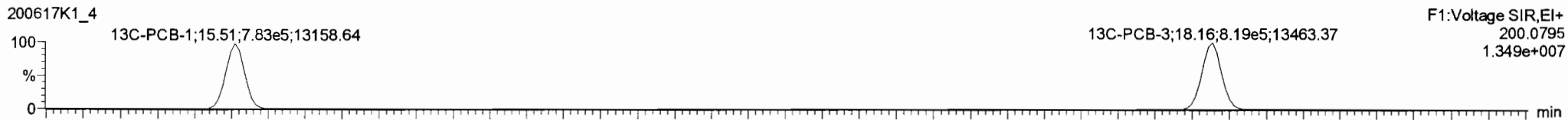
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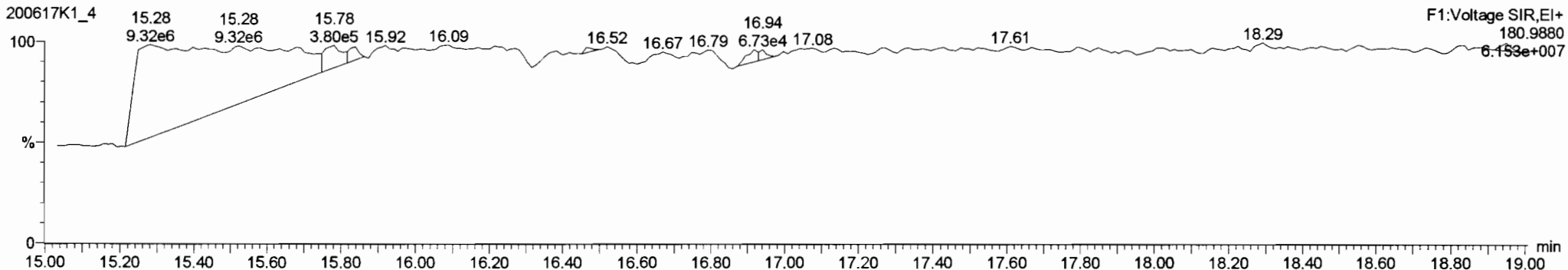
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**13C-PCB-1**



**PFK1**

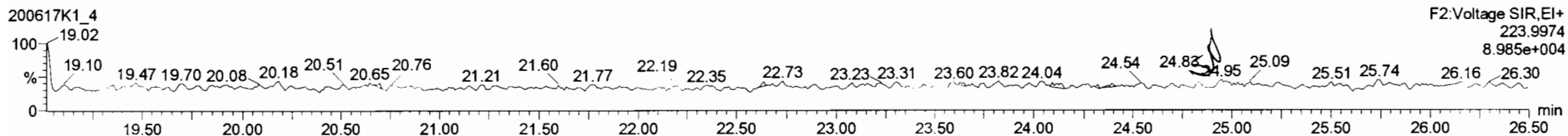
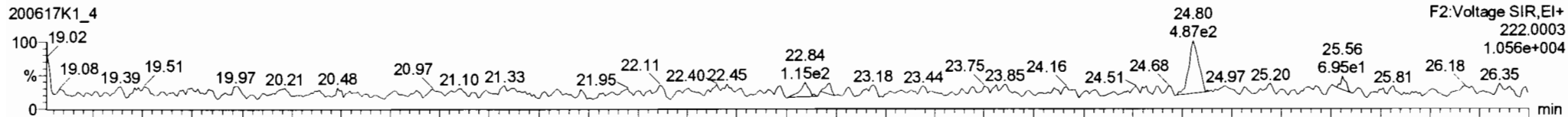


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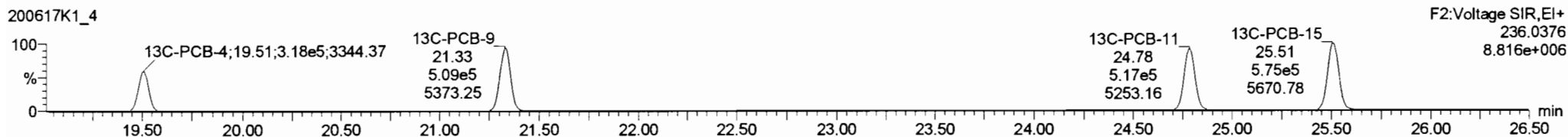
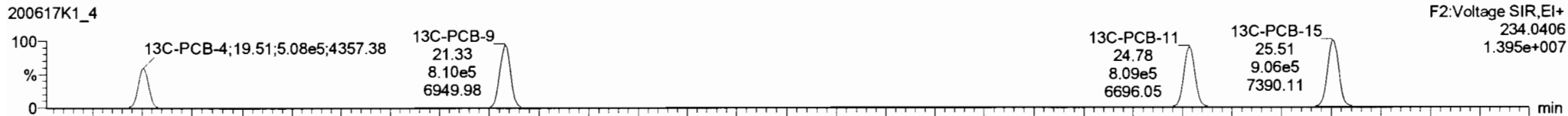
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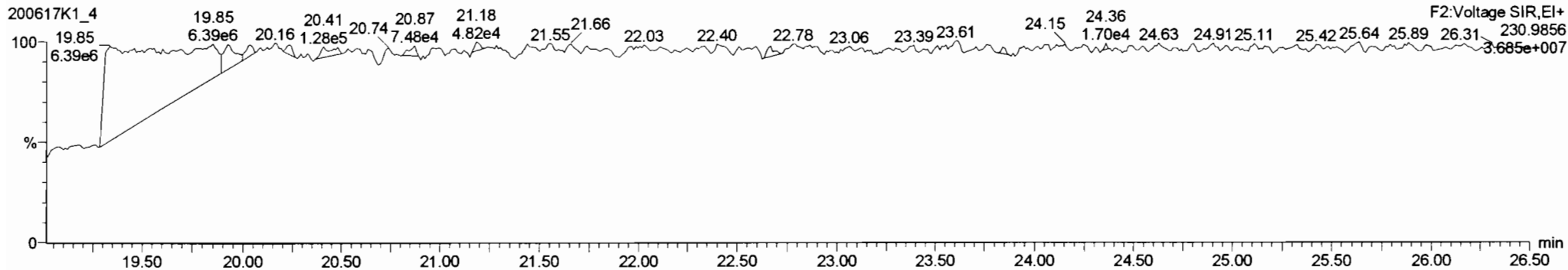
**PCB-4/10**



**13C-PCB-4**



**PFK2a**



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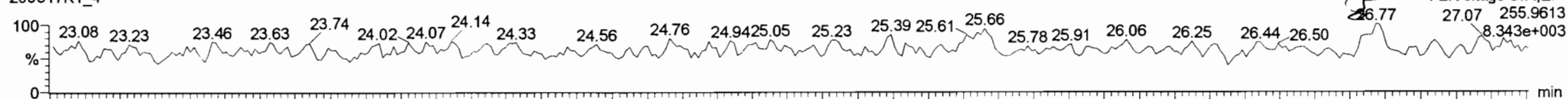
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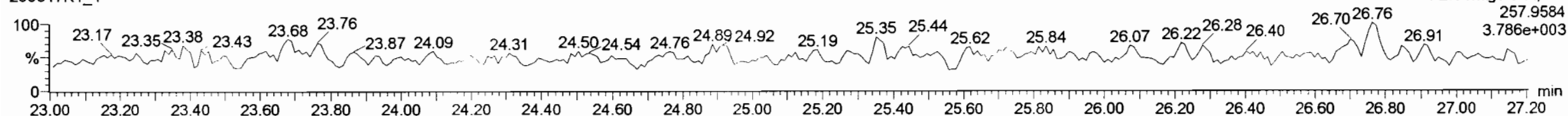
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**PCB-19**

200617K1\_4

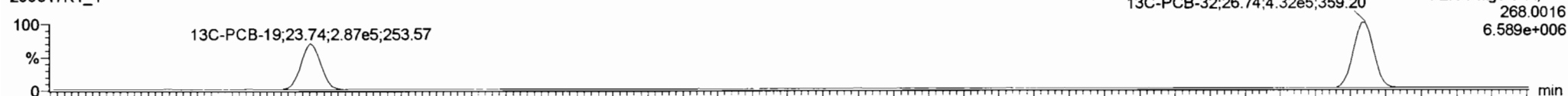


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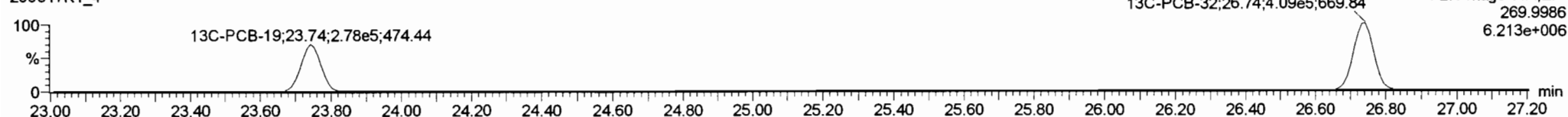


**13C-PCB-19**

200617K1\_4

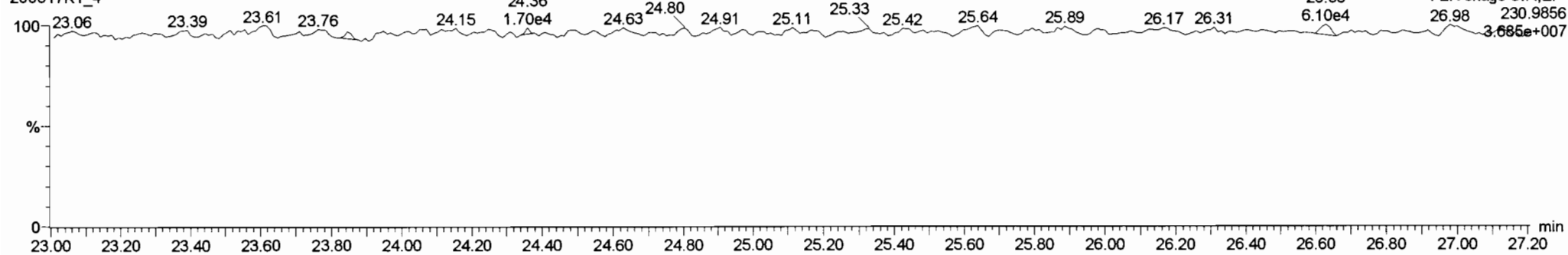


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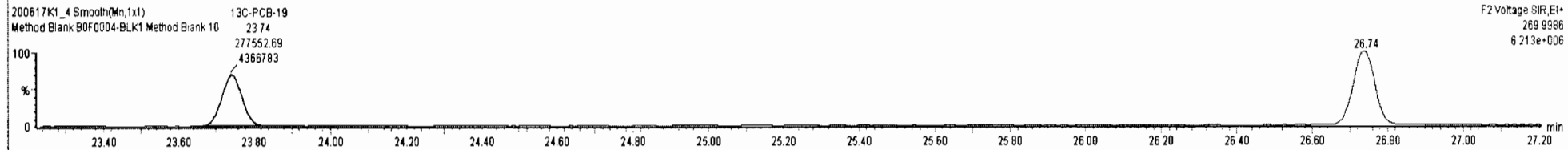
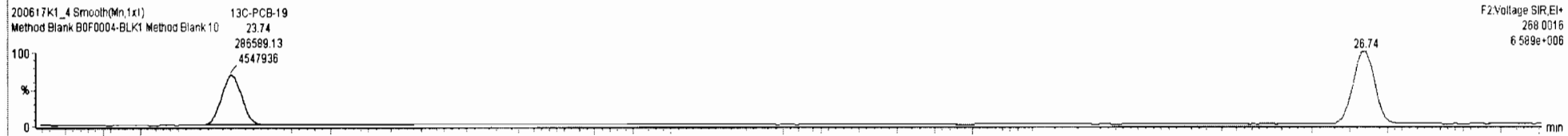
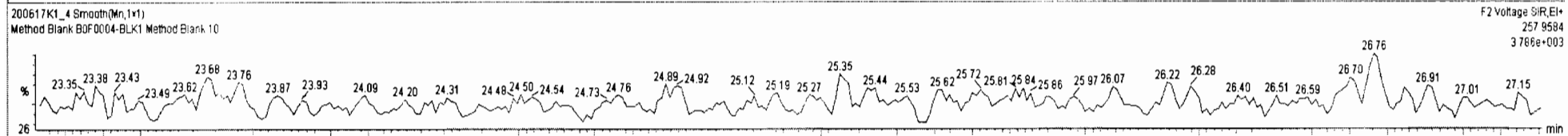
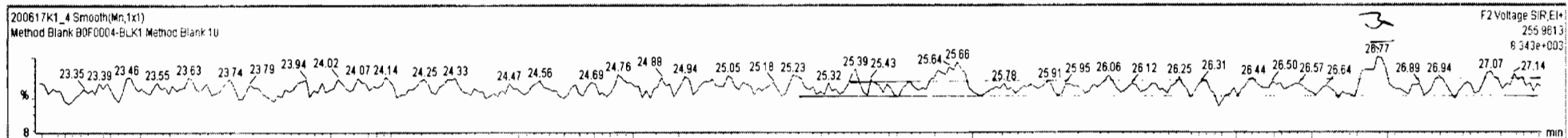
**PFK2b**

200617K1\_4



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220	13C-PCB-79	9.00e5	0.77	NO	1.0689	5.000	37.78	37.76	1.030	1.029	NO	2059	103	2.27	
221	13C-PCB-178	3.09e5	0.45	NO	0.7665	5.000	45.86	45.87	0.988	0.988	NO	1796	89.8	2.10	
222	13C-PCB-79	9.00e5	0.77	NO	1.0821	5.000	37.76	37.76	0.968	0.968	NO	2062	103	2.26	
223	13C-PCB-178	3.09e5	0.45	NO	1.0508	5.000	45.85	45.87	0.923	0.923	NO	1976	98.8	2.19	
224	Total Mono-PCBs				1.1665	5.000	0.00		0.000		NO			0.926	
225	Total Di-PCBs				1.0537	5.000	0.00		0.000		NO			8.46	
226	2nd Function Tri-PCBs				1.0807	5.000	0.00		0.000		NO			3.87	
227	3rd Function Tri-PCBs				0.9828	5.000	0.00		0.000		NO			6.79	
228	Total Tetra-PCBs				1.0778	5.000	0.00		0.000		NO			11.9	
229	3rd Function Penta-PCBs				1.3157	5.000	0.00		0.000		NO			16.3	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1										



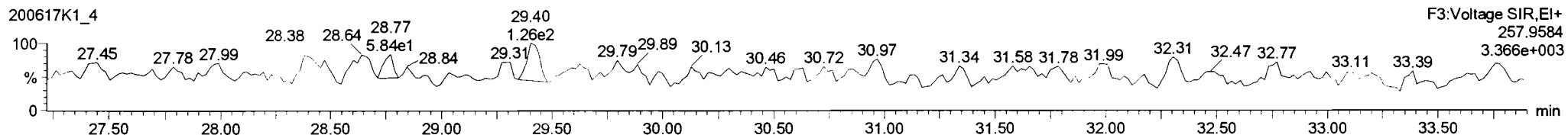
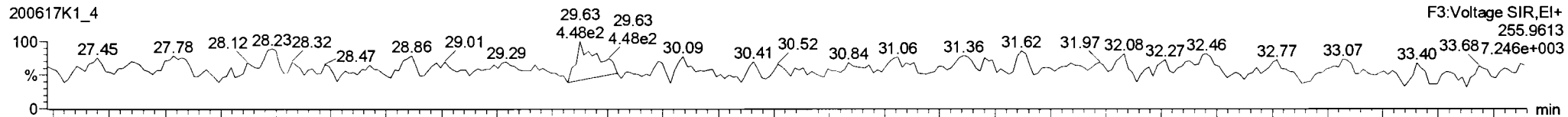
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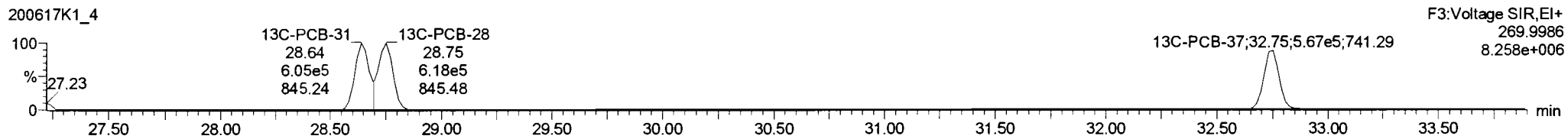
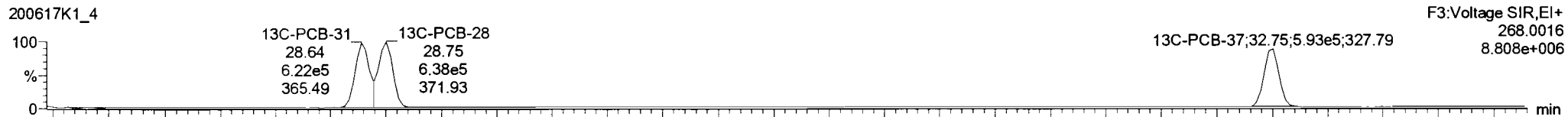
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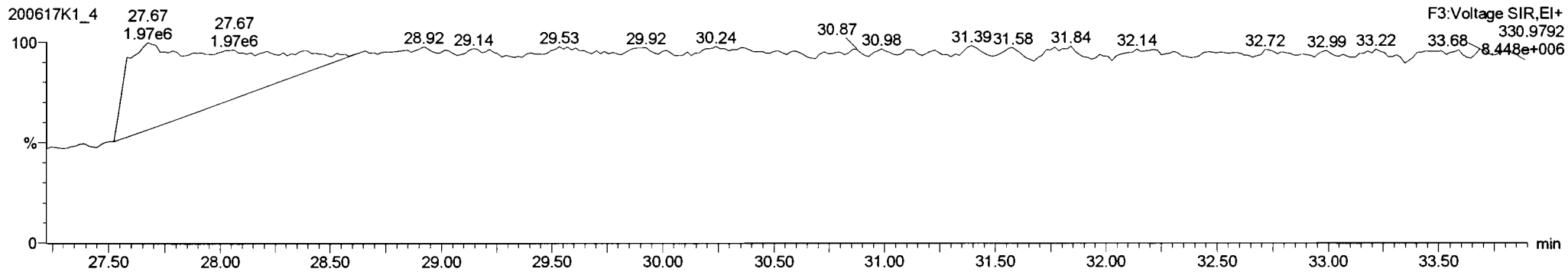
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**13C-PCB-28**



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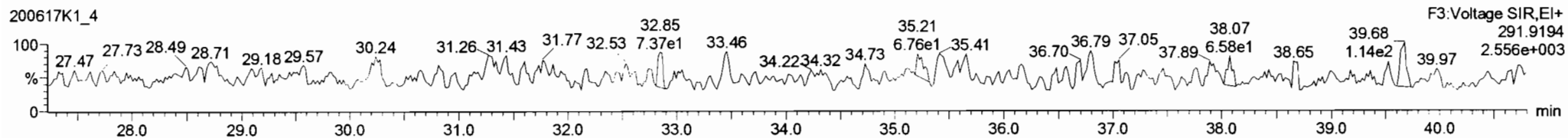
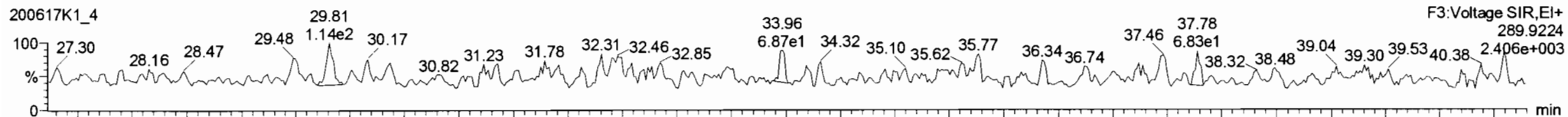


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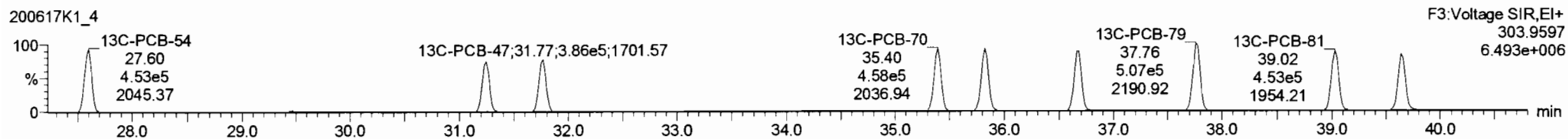
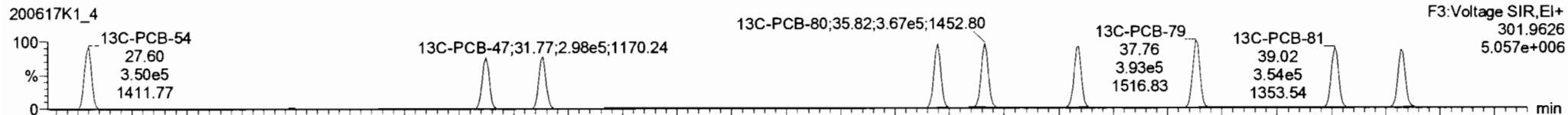
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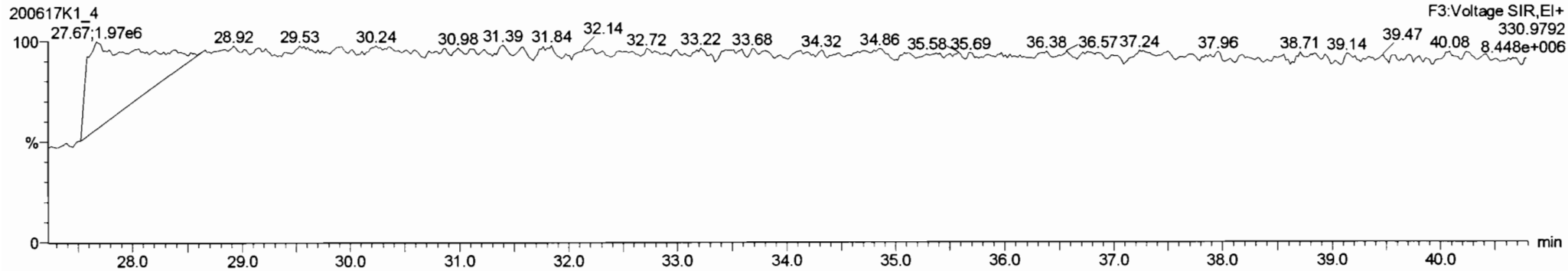
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**13C-PCB-54**



**PFK3a**



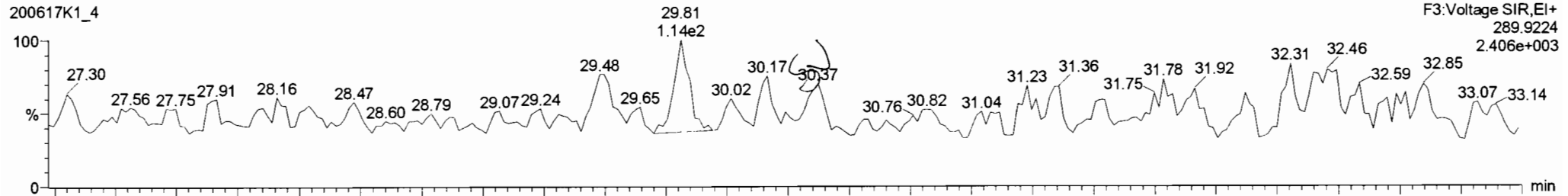
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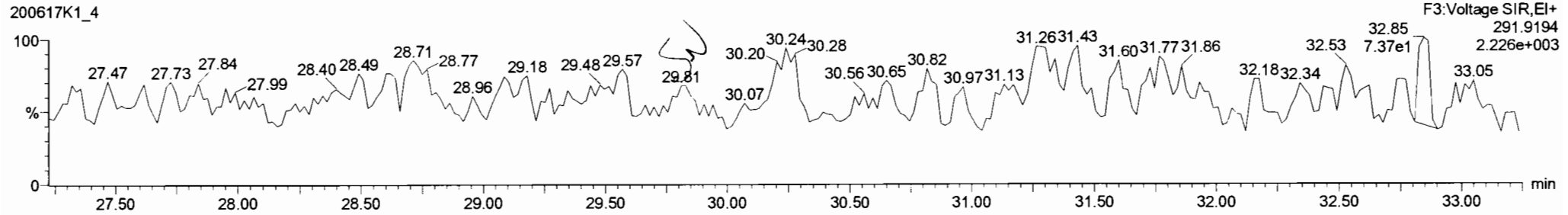
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PCB-50

200617K1\_4

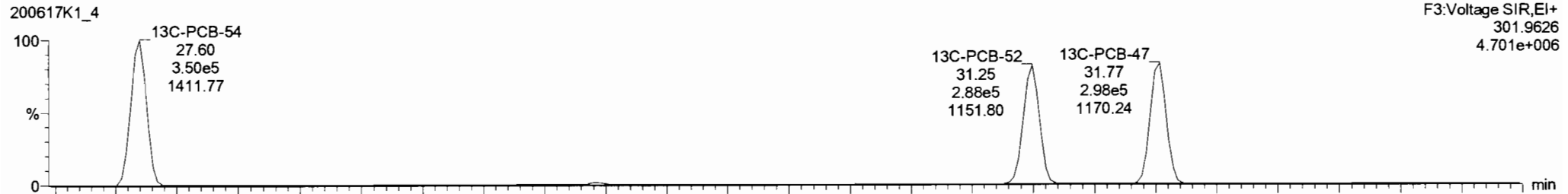


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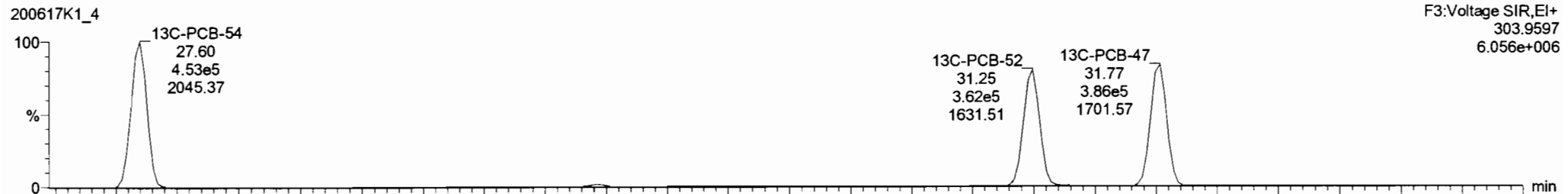


13C-PCB-52

200617K1\_4



200617K1\_4



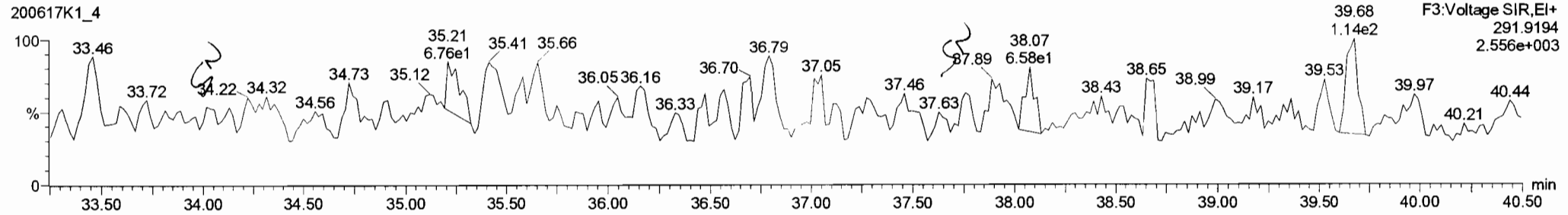
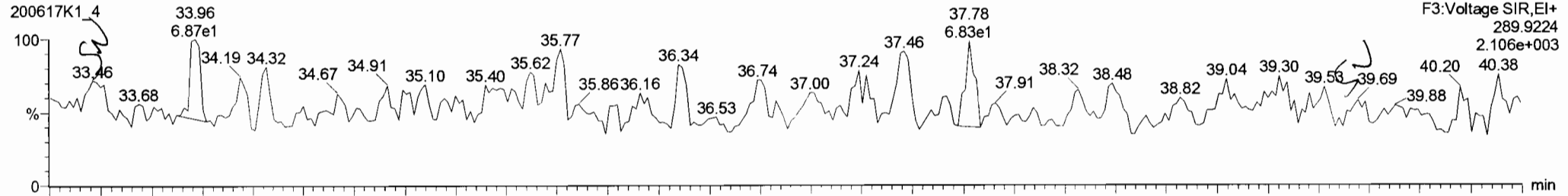
Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

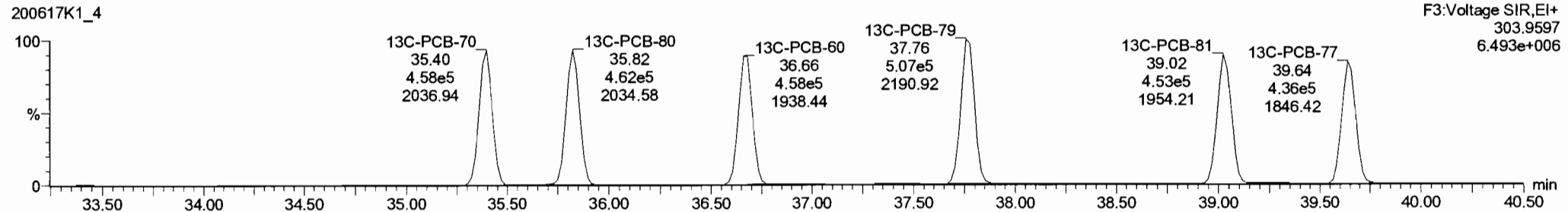
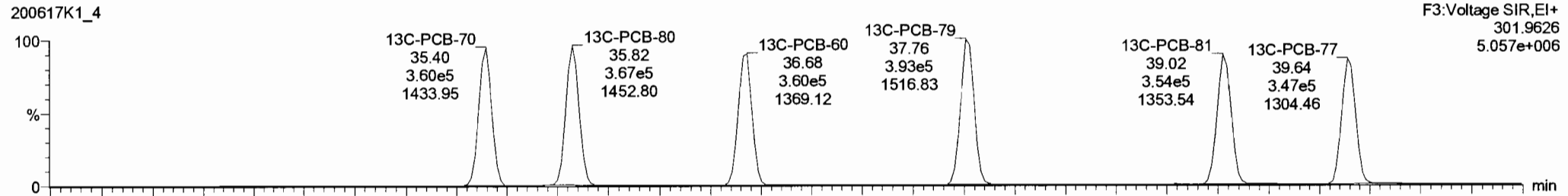
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

PCB-68



13C-PCB-60





Dataset: Untitled

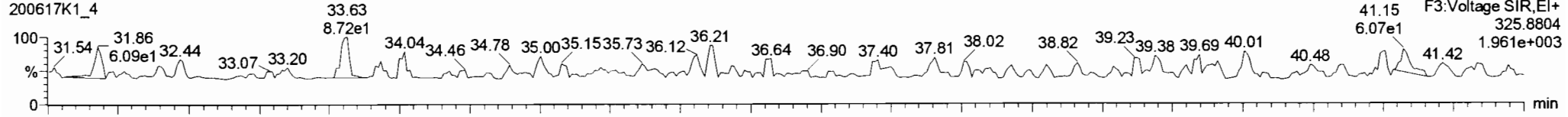
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

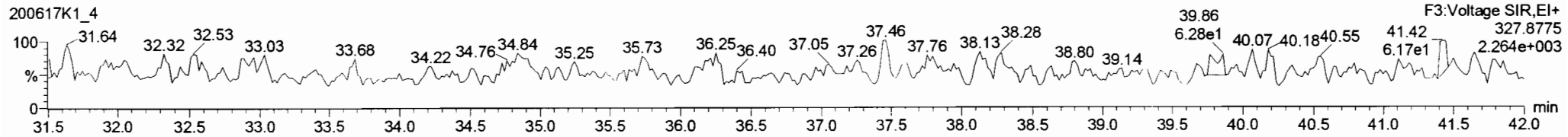
Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

**PCB-104**

200617K1\_4

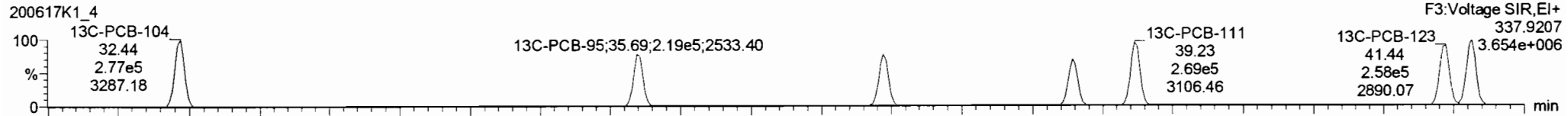


200617K1\_4

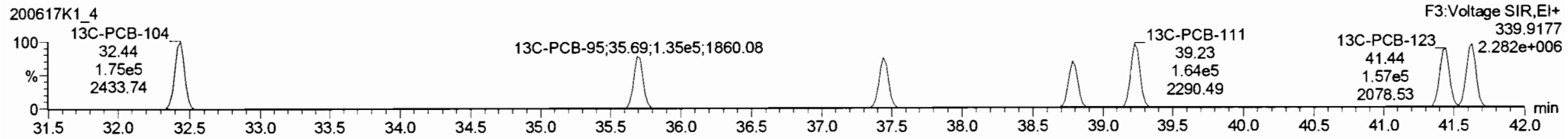


**13C-PCB-104**

200617K1\_4

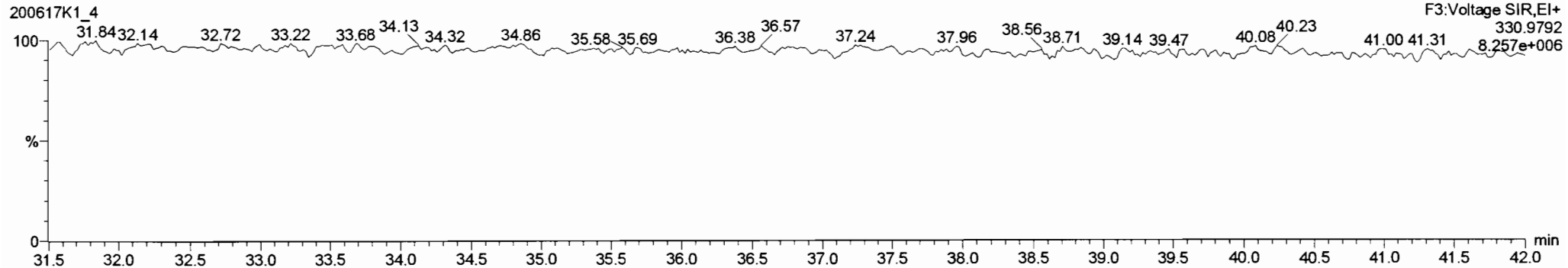


200617K1\_4



**PFK3b**

200617K1\_4



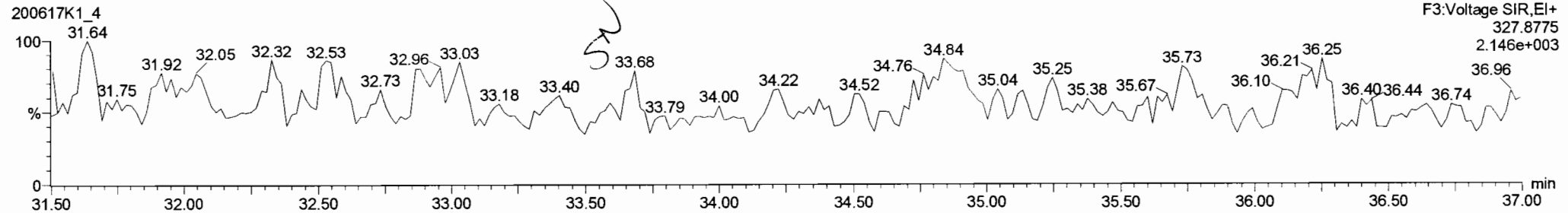
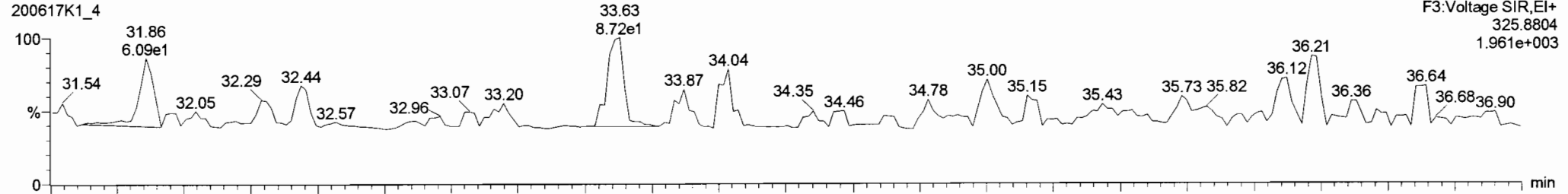
Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

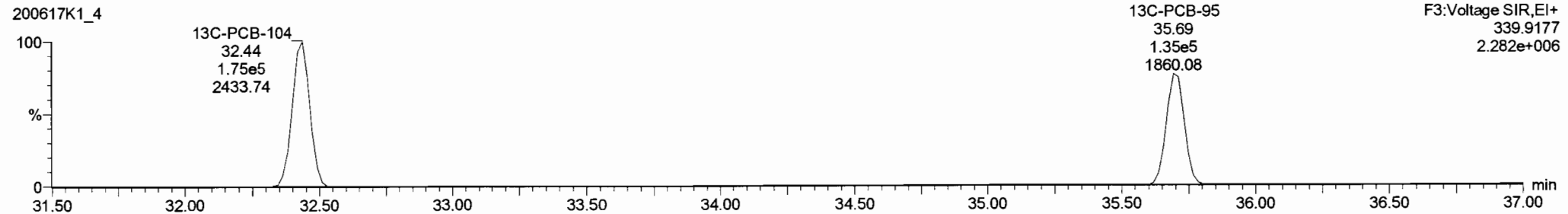
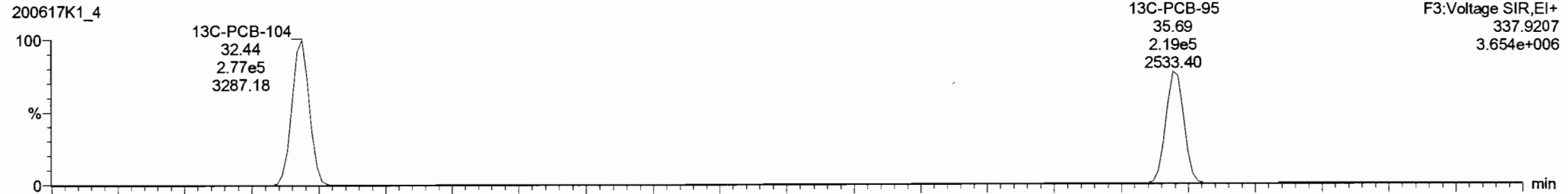
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

**PCB-96**



**13C-PCB-95**



Dataset: Untitled

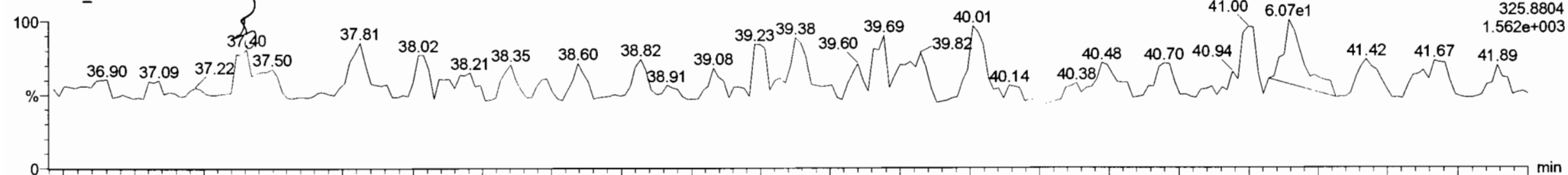
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

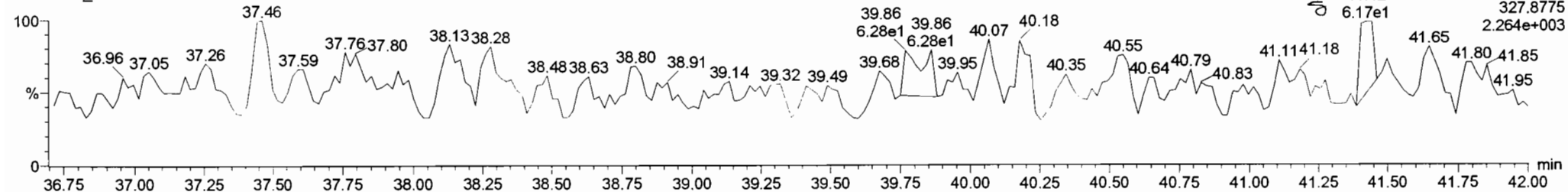
Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

**PCB-119**

200617K1\_4

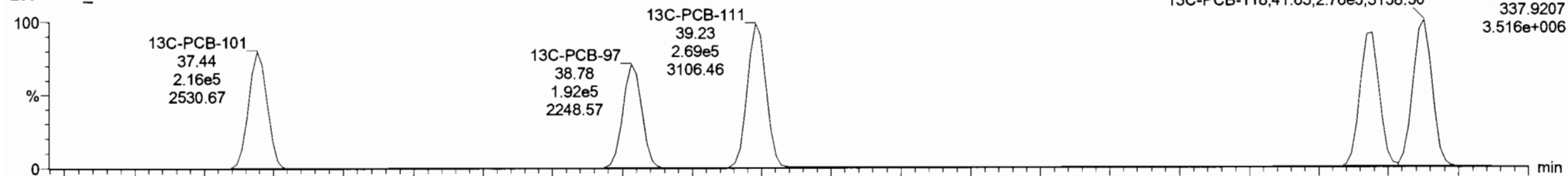


200617K1\_4

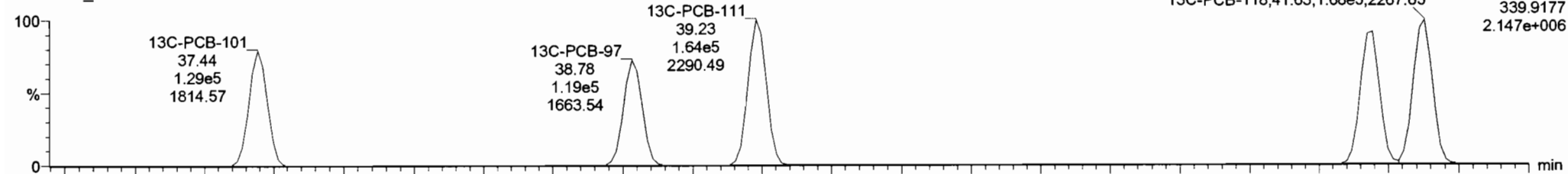


**13C-PCB-111**

200617K1\_4



200617K1\_4

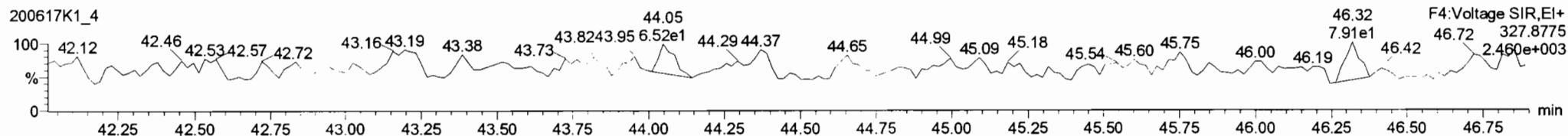
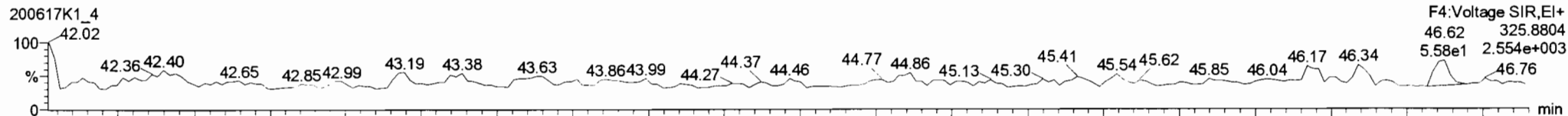


Dataset: Untitled

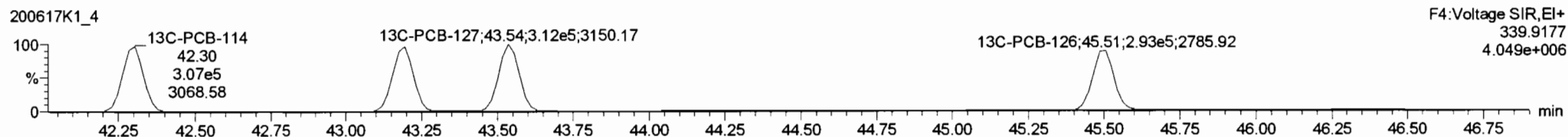
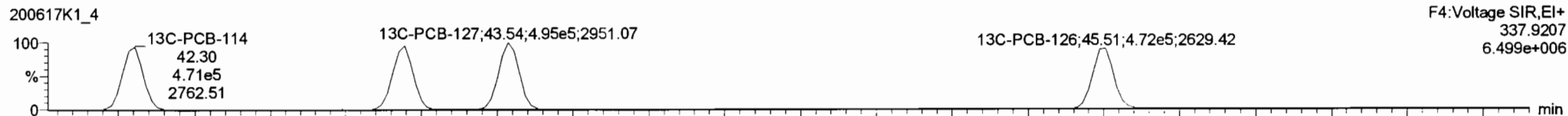
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

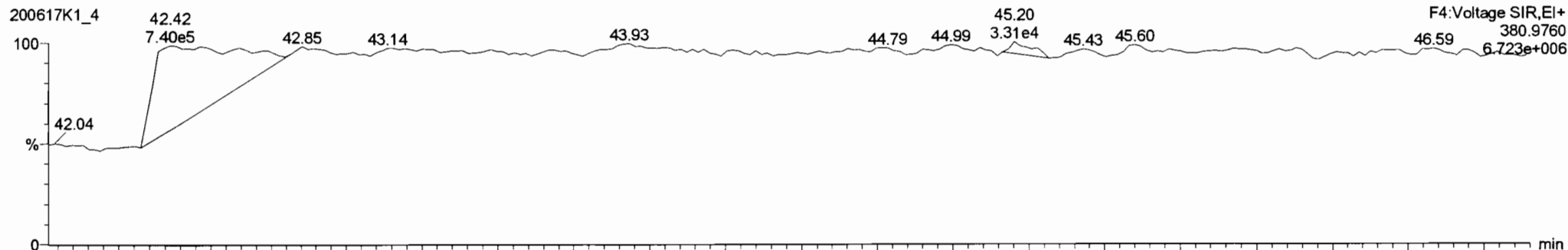
**PCB-114**



**13C-PCB-114**



**PFK4a**



Dataset: Untitled

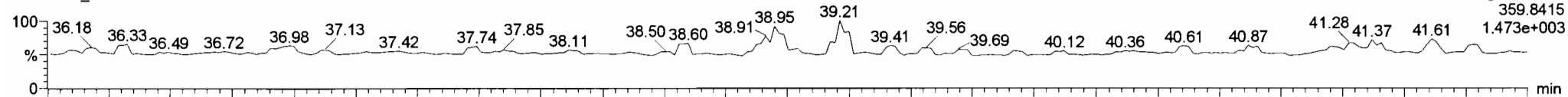
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

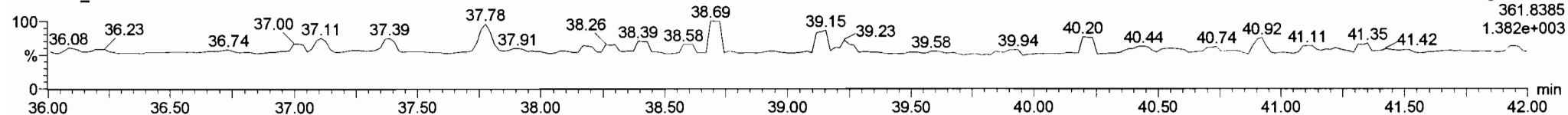
Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

**PCB-155**

200617K1\_4

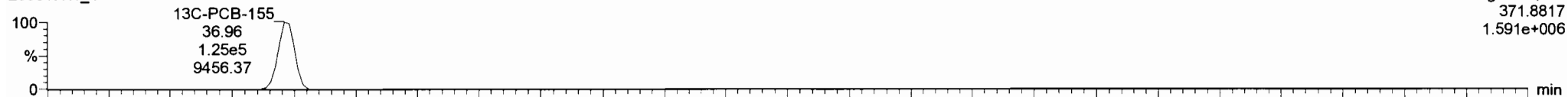


200617K1\_4

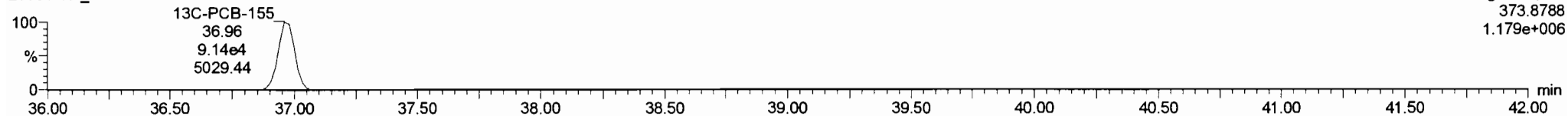


**13C-PCB-155**

200617K1\_4

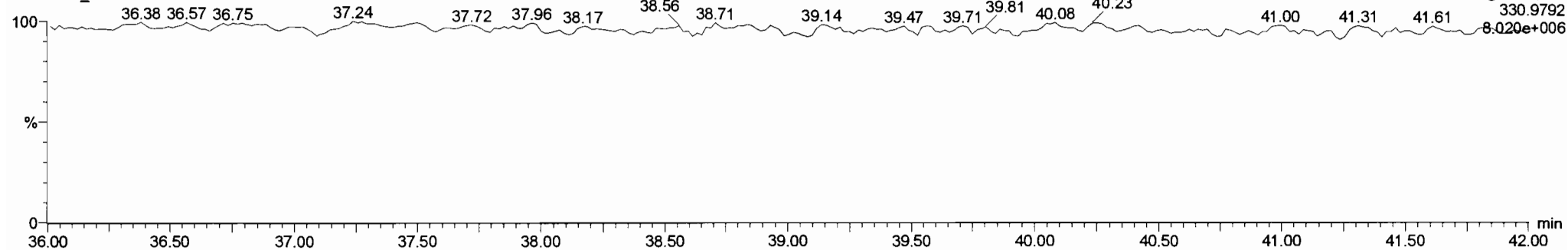


200617K1\_4



**PFK3c**

200617K1\_4

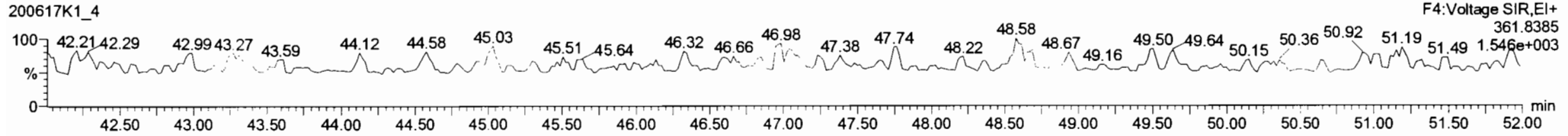
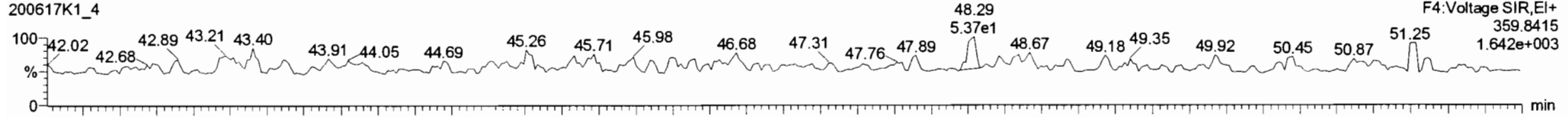


Dataset: Untitled

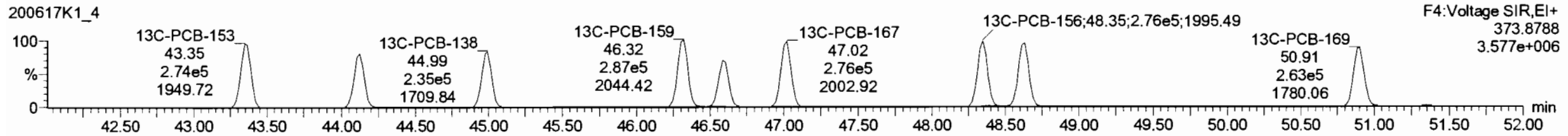
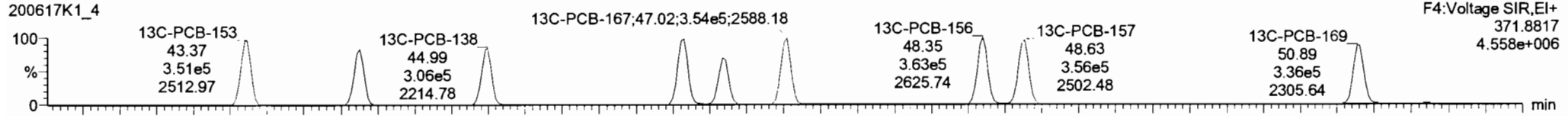
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

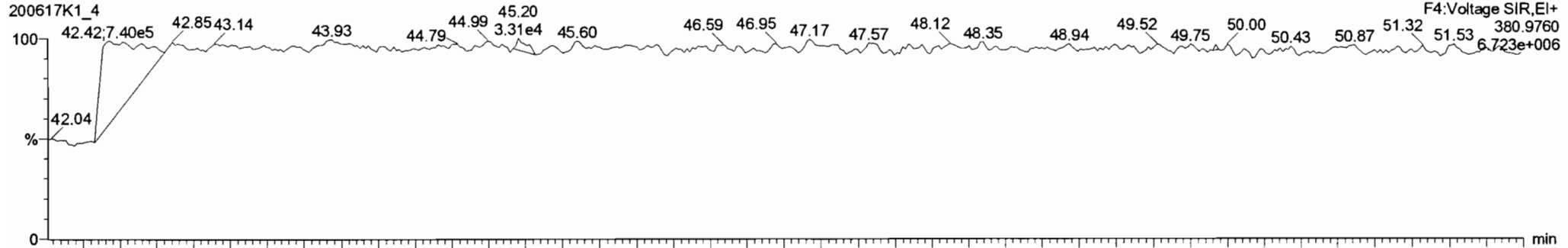
**PCB-134/143**



**13C-PCB-153**



**PFK4b**

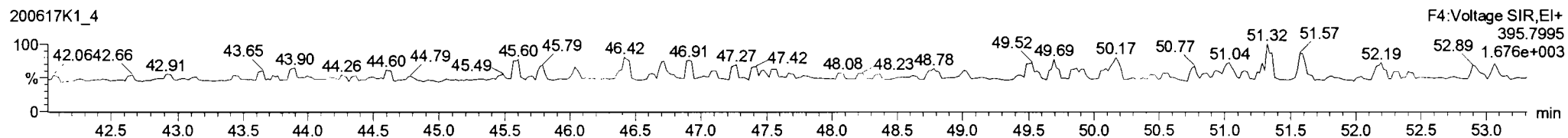
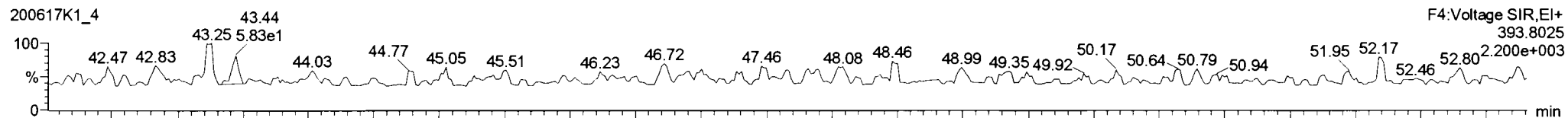


Dataset: Untitled

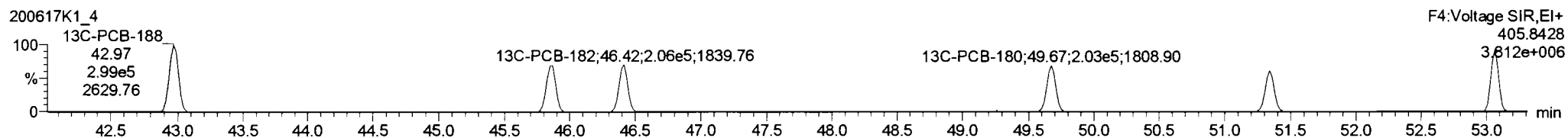
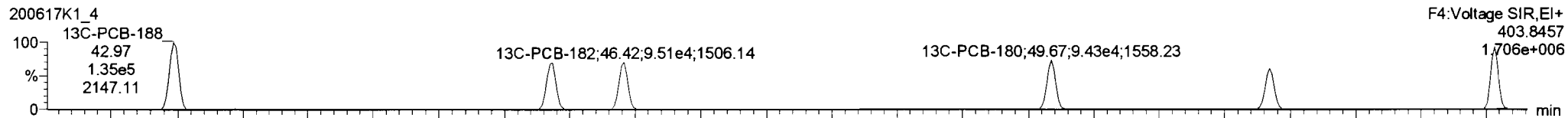
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

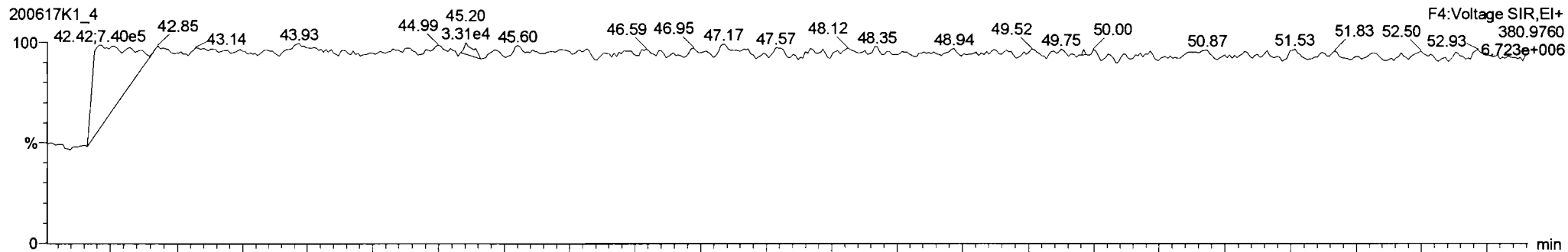
**PCB-188**



**13C-PCB-188**



**PFK4c**



Dataset: Untitled

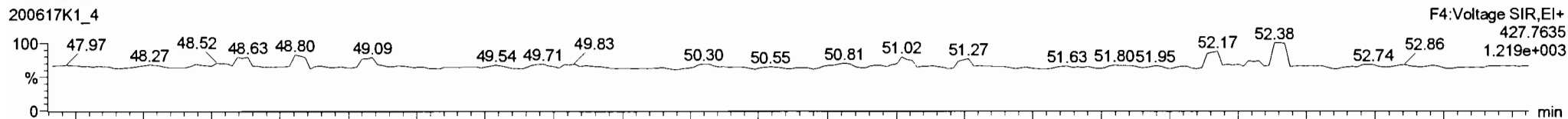
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

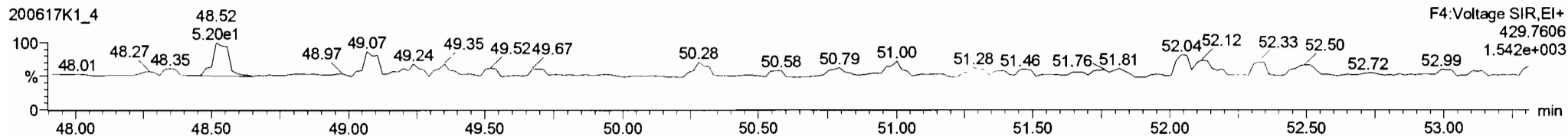
Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

**PCB-202**

200617K1\_4

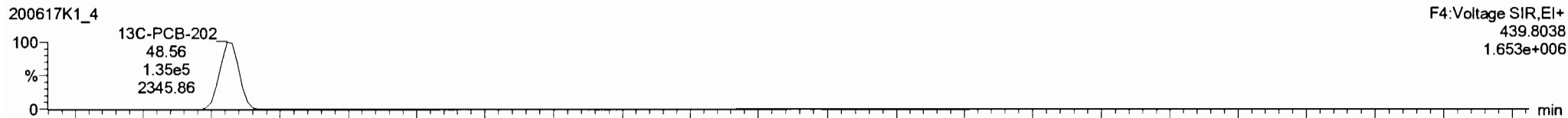


200617K1\_4

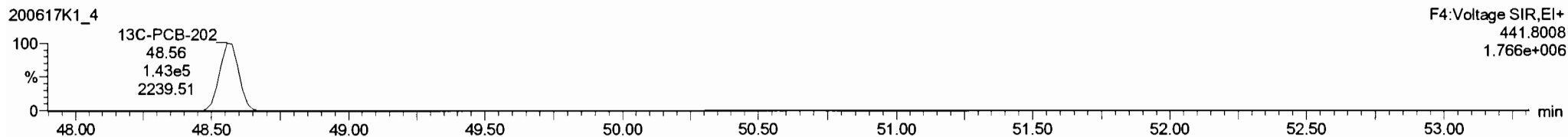


**13C-PCB-202**

200617K1\_4

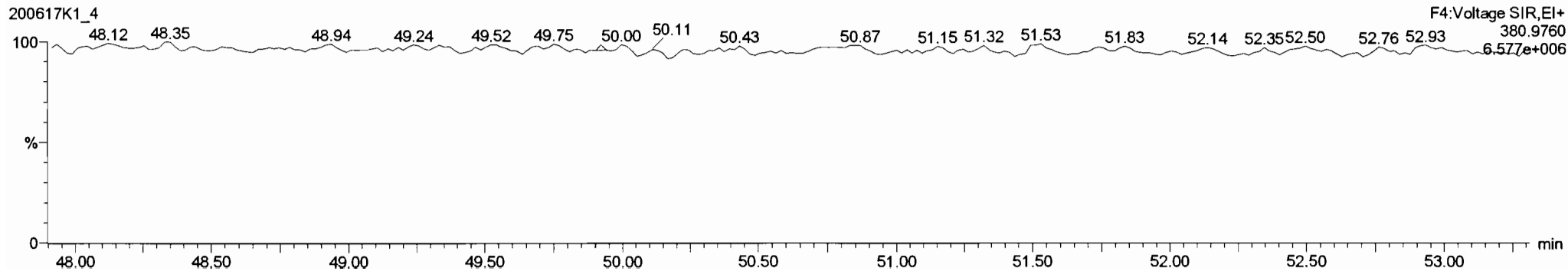


200617K1\_4



**PFK4d**

200617K1\_4



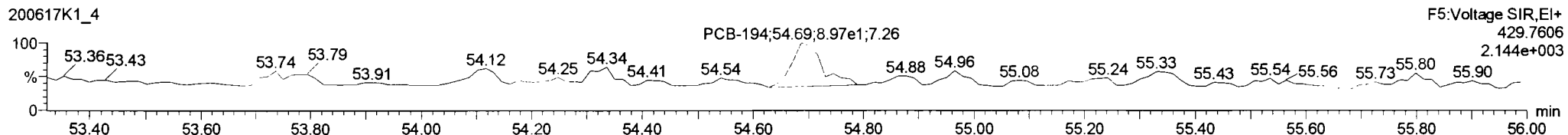
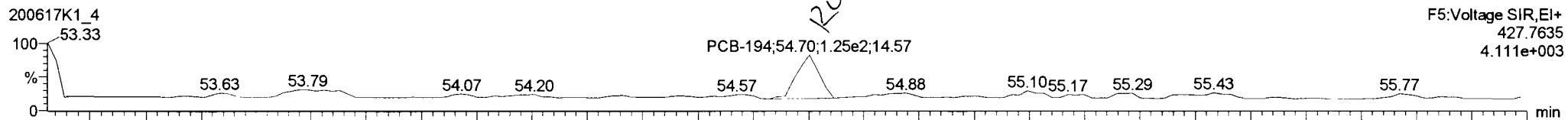


Dataset: Untitled

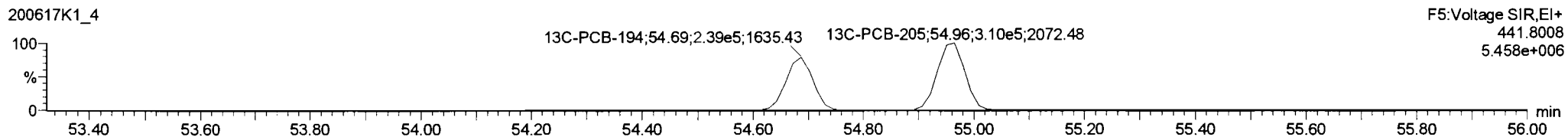
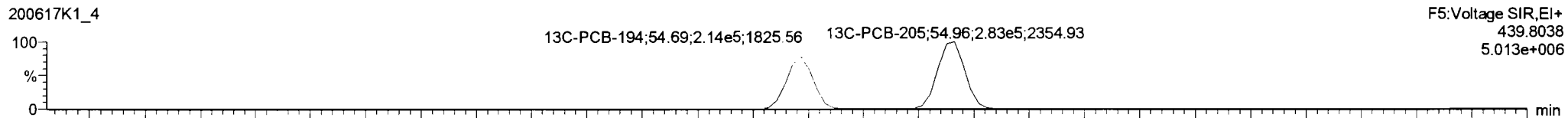
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

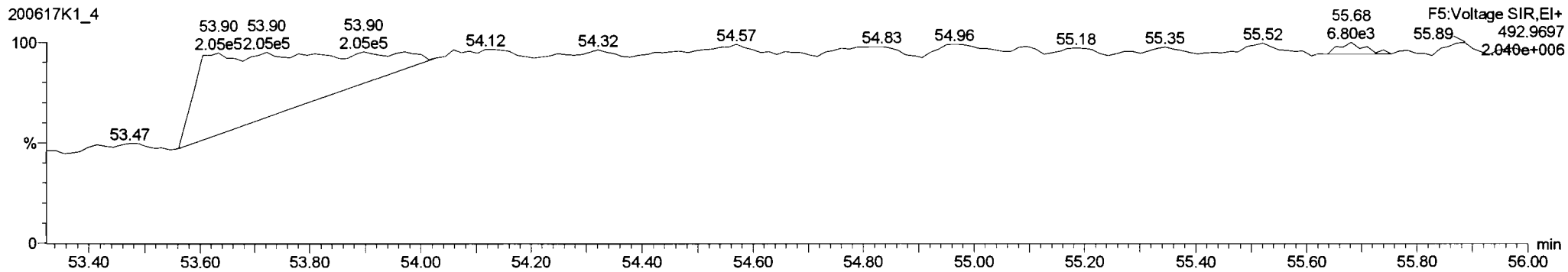
**PCB-195**



**13C-PCB-194**



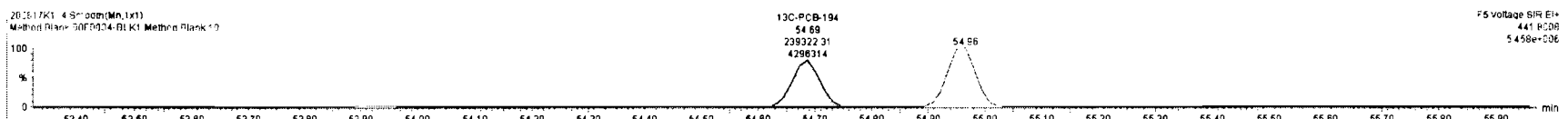
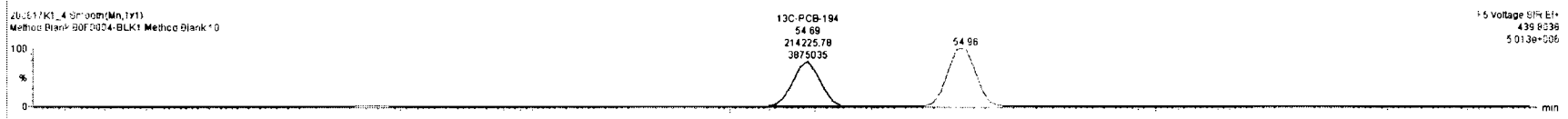
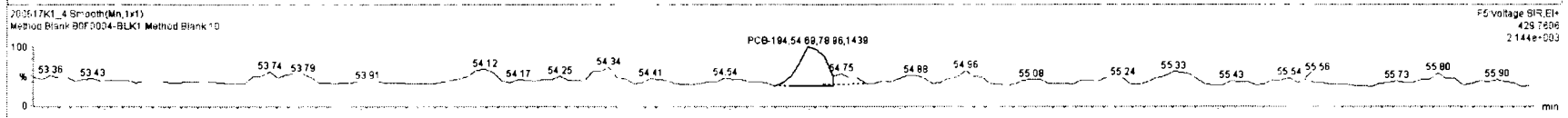
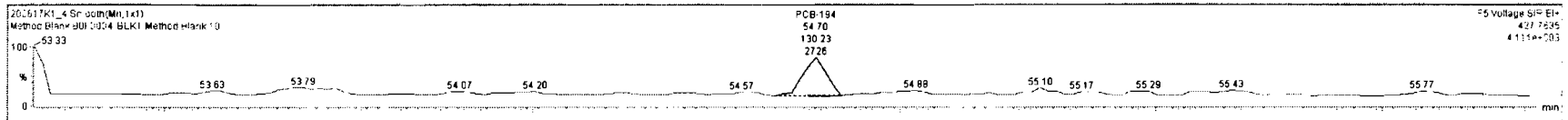
**PFK5a**



200617K1\_4-BLF004-BLK1 Method Blank - GC-Method Plan

#	Name	Resp	RA	ivly	RRF	wtAvr	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0735	5.000	0.00		0.000		NO			1.74	
231	231 3rd Function Hexa-PCBs				0.9505	5.000	0.00		0.000		NO			6.72	
232	232 4th Function Hexa-PCBs				1.0316	5.000	0.00		0.000		NO			4.76	
233	233 Total Hepta-PCBs				1.3551	5.000	0.00		0.000		NO			7.84	
234	234 4th Function Octa-PCBs				1.0028	5.000	0.00		0.000		NO			2.30	
235	235 5th Function Octa-PCBs				1.1488	5.000	0.00		0.000		NO	0.0000		0.482	0.9897
236	236 Total Nona-PCBs				0.9523	5.000	0.00		0.000		NO			0.544	
237	237 Deca-CB				0.9864	5.000	0.00		0.000		NO			0.456	
238	238 Total PCBs														
239	239 Total Mono-Orthanes														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	ivly	EMPC	Conc.
1	183 PCB-194	54.70	54.70	1.302e2	7.896e1	0.890	1.65	YES	0.58972	0.00000



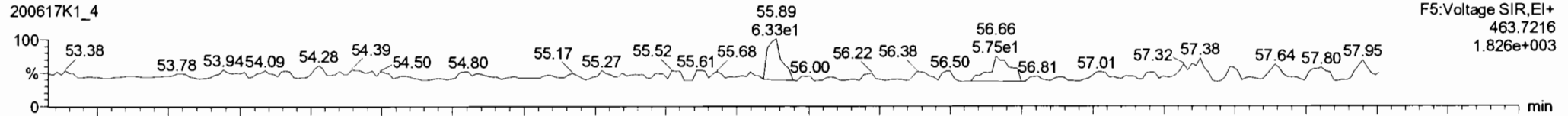
Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

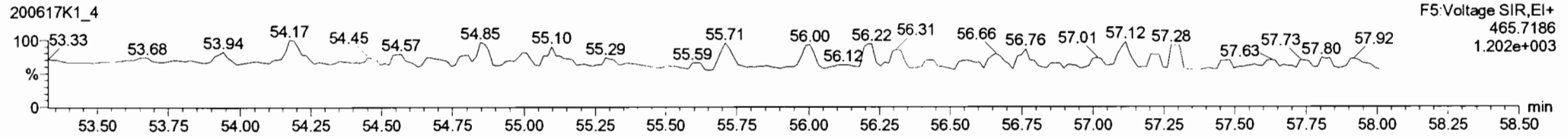
Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

**PCB-208**

200617K1\_4

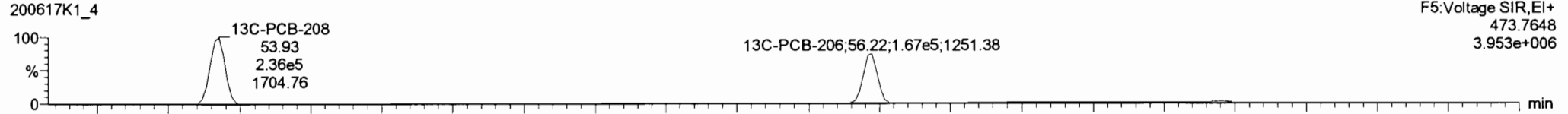


200617K1\_4

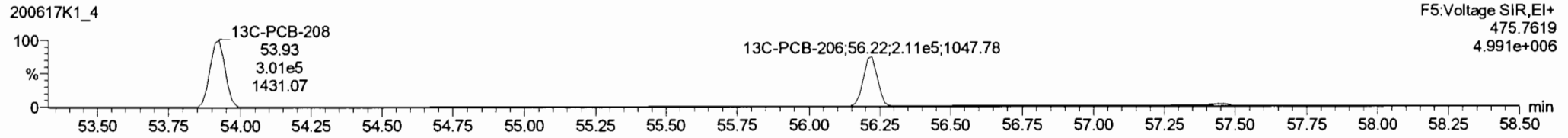


**13C-PCB-208**

200617K1\_4

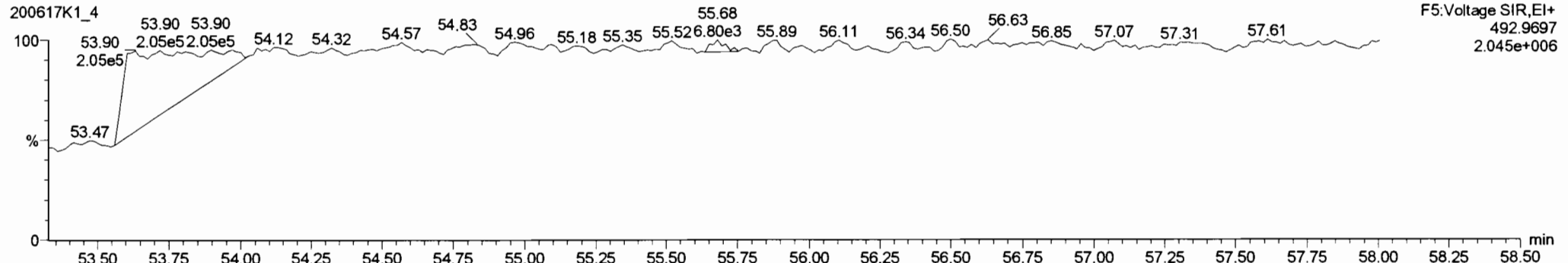


200617K1\_4



**PFK5**

200617K1\_4



Dataset: Untitled

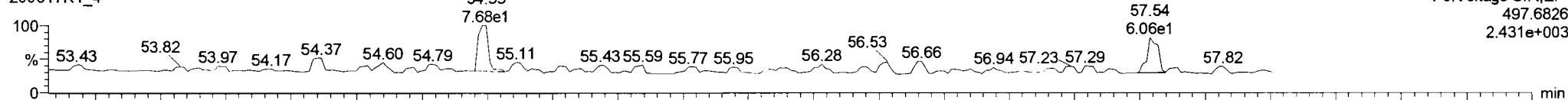
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

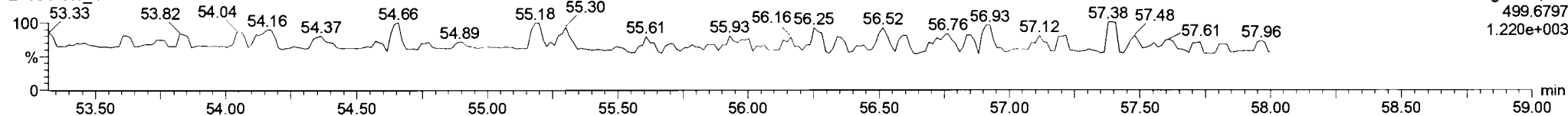
Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

**PCB-209**

200617K1\_4

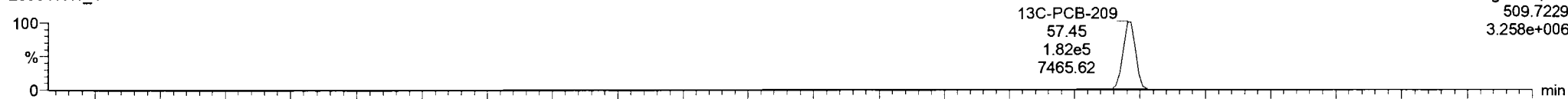


200617K1\_4

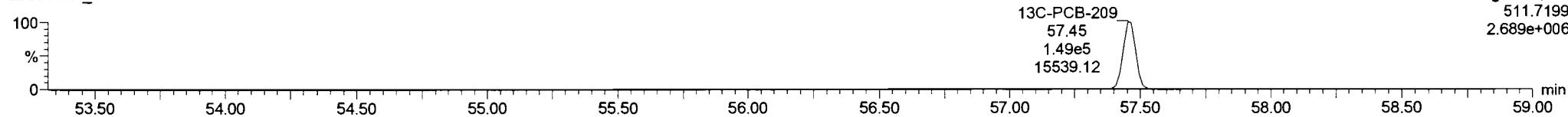


**13C-PCB-209**

200617K1\_4

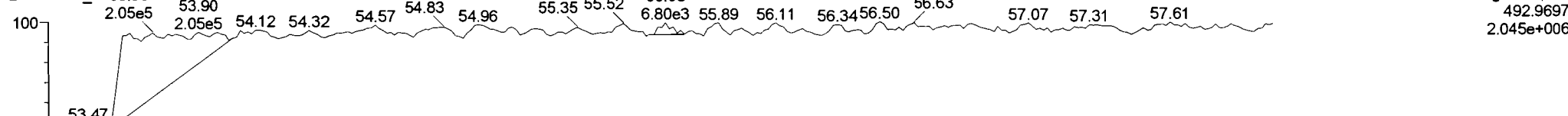


200617K1\_4



**PFK5b**

200617K1\_4



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-2.qld

Last Altered: Friday, June 19, 2020 10:28:25 Pacific Daylight Time

Printed: Friday, June 19, 2020 10:28:50 Pacific Daylight Time

*H 6/19/2020*

*07/08/2020*

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: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	r/y	RRF	wt/vol	Pred.RT	RT	Pred.R <sub>z</sub>	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	5.72e5	3.18	NO	1.17	5.000	15.52	15.52	1.001	1.001	NO	1301		0.545	1301
2	2 PCB-2	6.29e5	3.18	NO	1.18	5.000	17.94	17.93	0.988	0.987	NO	1318		0.512	1318
3	3 PCB-3	6.00e5	3.16	NO	1.15	5.000	18.17	18.17	1.001	1.001	NO	1295		0.527	1295
4	4 PCB-4/10	9.57e5	1.57	NO	1.25	5.000	19.59	19.58	1.004	1.004	NO	2366		2.10	2366
5	5 PCB-7/9	1.22e6	1.56	NO	0.960	5.000	21.40	21.39	1.003	1.002	NO	2393		1.72	2393
6	6 PCB-6	6.59e5	1.57	NO	1.02	5.000	22.05	22.04	1.033	1.033	NO	1217		1.61	1217
7	7 PCB-5/8	1.29e6	1.55	NO	0.992	5.000	22.45	22.45	1.052	1.052	NO	2459		1.66	2459
8	8 PCB-14	6.72e5	1.57	NO	1.02	5.000	23.59	23.59	0.952	0.951	NO	1165		1.55	1165
9	9 PCB-11	7.42e5	1.58	NO	1.13	5.000	24.81	24.81	1.001	1.001	NO	1161		1.40	1161
10	10 PCB-12/13	1.38e6	1.58	NO	1.03	5.000	25.25	25.19	1.018	1.016	NO	2376		1.54	2376
11	11 PCB-15	6.99e5	1.57	NO	1.03	5.000	25.56	25.54	1.031	1.030	NO	1190		1.52	1190
12	12 PCB-19	3.20e5	1.03	NO	1.11	5.000	23.78	23.77	1.001	1.001	NO	1233		1.09	1233
13	13 PCB-30	5.31e5	1.03	NO	1.79	5.000	24.68	24.68	1.039	1.039	NO	1262		0.675	1262
14	14 PCB-18	3.64e5	1.01	NO	0.818	5.000	25.45	25.45	0.952	0.952	NO	1228		0.999	1228
15	15 PCB-17	3.42e5	1.03	NO	0.758	5.000	25.63	25.63	0.958	0.958	NO	1244		1.08	1244
16	16 PCB-24/27	9.59e5	1.05	NO	1.08	5.000	26.24	26.22	0.981	0.980	NO	2445		0.755	2445
17	17 PCB-16/32	8.33e5	1.01	NO	0.925	5.000	26.76	26.76	1.001	1.001	NO	2481		0.883	2481
18	18 PCB-34	5.83e5	1.02	NO	0.945	5.000	27.56	27.58	0.959	0.959	NO	1082		1.23	1082
19	19 PCB-23	5.83e5	1.03	NO	0.883	5.000	27.65	27.67	0.962	0.962	NO	1158		1.32	1158
20	20 PCB-29	5.77e5	1.03	NO	0.893	5.000	27.91	27.91	0.971	0.971	NO	1133		1.30	1133
21	21 PCB-26	6.21e5	1.03	NO	0.944	5.000	28.14	28.14	0.979	0.979	NO	1155		1.23	1155
22	22 PCB-25	6.10e5	1.02	NO	0.950	5.000	28.29	28.31	0.984	0.984	NO	1127		1.22	1127
23	23 PCB-31	6.51e5	1.03	NO	1.04	5.000	28.66	28.68	0.997	0.997	NO	1102		1.12	1102
24	24 PCB-28	7.05e5	1.03	NO	1.03	5.000	28.77	28.77	1.001	1.001	NO	1207		1.14	1207
25	25 PCB-20/21/33	1.85e6	1.03	NO	0.941	5.000	29.41	29.40	1.023	1.023	NO	3456		1.24	3456
26	26 PCB-22	6.45e5	1.02	NO	0.973	5.000	29.85	29.87	1.038	1.039	NO	1164		1.20	1164
27	27 PCB-36	6.78e5	1.02	NO	1.08	5.000	30.50	30.50	0.931	0.931	NO	1168		1.12	1168
28	28 PCB-39	6.16e5	1.05	NO	0.988	5.000	30.98	30.99	0.946	0.946	NO	1155		1.22	1155
29	29 PCB-38	6.59e5	1.04	NO	1.05	5.000	31.78	31.78	0.970	0.970	NO	1161		1.15	1161
30	30 PCB-35	6.84e5	1.06	NO	1.04	5.000	32.32	32.33	0.987	0.987	NO	1215		1.15	1215
31	31 PCB-37	6.58e5	1.01	NO	1.01	5.000	32.77	32.77	1.001	1.001	NO	1209		1.19	1209
32	32 PCB-54	4.57e5	0.76	NO	1.08	5.000	27.62	27.62	1.001	1.001	NO	1253		0.749	1253

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-2.qld

Last Altered: Friday, June 19, 2020 10:28:25 Pacific Daylight Time  
 Printed: Friday, June 19, 2020 10:28:50 Pacific Daylight Time

Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, 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	3.83e5	0.78	NO	0.880	5.000	28.81	28.83	1.044	1.044	NO	1288		0.919	1288
34	34 PCB-53	3.57e5	0.76	NO	0.997	5.000	29.50	29.50	0.944	0.944	NO	1224		0.957	1224
35	35 PCB-51	3.86e5	0.78	NO	1.07	5.000	29.84	29.85	0.955	0.955	NO	1239		0.896	1239
36	36 PCB-45	3.12e5	0.76	NO	0.858	5.000	30.29	30.28	0.969	0.969	NO	1241		1.11	1241
37	37 PCB-46	2.97e5	0.76	NO	0.831	5.000	30.78	30.80	0.985	0.986	NO	1224		1.15	1224
38	38 PCB-52/69	8.78e5	0.76	NO	1.17	5.000	31.28	31.28	1.001	1.001	NO	2572		0.818	2572
39	39 PCB-73	5.01e5	0.77	NO	1.44	5.000	31.40	31.39	1.005	1.005	NO	1187		0.661	1187
40	40 PCB-43/49	7.48e5	0.76	NO	1.02	5.000	31.57	31.58	1.010	1.011	NO	2516		0.939	2516
41	41 PCB-47	3.82e5	0.75	NO	0.922	5.000	31.79	31.78	1.001	1.001	NO	1297		0.951	1297
42	42 PCB-48/75	8.64e5	0.78	NO	1.12	5.000	31.90	31.90	1.004	1.004	NO	2414		0.783	2414
43	43 PCB-65	4.88e5	0.75	NO	1.28	5.000	32.17	32.18	1.013	1.013	NO	1191		0.684	1191
44	44 PCB-62	4.57e5	0.77	NO	1.13	5.000	32.28	32.29	1.016	1.016	NO	1267		0.778	1267
45	45 PCB-44	3.21e5	0.75	NO	0.824	5.000	32.62	32.60	1.027	1.026	NO	1218		1.06	1218
46	46 PCB-42/59	8.26e5	0.77	NO	1.05	5.000	32.85	32.85	1.034	1.034	NO	2462		0.836	2462
47	47 PCB-41/64/71/72	1.87e6	0.78	NO	1.19	5.000	33.45	33.44	1.053	1.053	NO	4935		0.739	4935
48	48 PCB-68	5.07e5	0.76	NO	1.28	5.000	33.70	33.72	1.061	1.061	NO	1241		0.686	1241
49	49 PCB-40	2.46e5	0.74	NO	0.602	5.000	33.93	33.92	1.068	1.068	NO	1279		1.46	1279
50	50 PCB-57	5.34e5	0.76	NO	1.16	5.000	34.30	34.32	0.969	0.970	NO	1193		0.643	1193
51	51 PCB-67	5.24e5	0.76	NO	1.08	5.000	34.62	34.61	0.978	0.978	NO	1255		0.690	1255
52	52 PCB-58	5.25e5	0.77	NO	1.20	5.000	34.74	34.74	0.982	0.982	NO	1132		0.621	1132
53	53 PCB-63	4.99e5	0.78	NO	1.07	5.000	34.90	34.91	0.986	0.986	NO	1210		0.697	1210
54	54 PCB-74	5.41e5	0.77	NO	1.19	5.000	35.20	35.19	0.994	0.994	NO	1186		0.631	1186
55	55 PCB-61/70	9.98e5	0.77	NO	1.05	5.000	35.41	35.34	1.000	0.998	NO	2458		0.709	2458
56	56 PCB-76/66	1.07e6	0.76	NO	1.16	5.000	35.60	35.62	1.006	1.006	NO	2395		0.642	2395
57	57 PCB-80	5.48e5	0.78	NO	1.19	5.000	35.84	35.86	1.001	1.001	NO	1165		0.622	1165
58	58 PCB-55	5.58e5	0.76	NO	1.17	5.000	36.16	36.18	1.010	1.010	NO	1203		0.631	1203
59	59 PCB-56/60	9.88e5	0.77	NO	1.02	5.000	36.68	36.70	1.024	1.024	NO	2448		0.725	2448
60	60 PCB-79	5.47e5	0.76	NO	1.14	5.000	37.78	37.80	1.055	1.055	NO	1213		0.648	1213
61	61 PCB-78	5.24e5	0.78	NO	1.14	5.000	38.52	38.52	0.987	0.987	NO	1184		0.682	1184
62	62 PCB-81	4.65e5	0.79	NO	1.05	5.000	39.06	39.06	1.000	1.000	NO	1141		0.740	1141
63	63 PCB-77	5.12e5	0.76	NO	1.14	5.000	39.68	39.68	1.000	1.000	NO	1195		0.688	1195
64	64 PCB-104	2.86e5	1.58	NO	1.12	5.000	32.46	32.46	1.001	1.001	NO	1252		0.685	1252
65	65 PCB-96	2.90e5	1.60	NO	1.15	5.000	33.78	33.76	1.041	1.041	NO	1237		0.666	1237
66	66 PCB-103	2.33e5	1.58	NO	0.936	5.000	34.34	34.32	1.059	1.058	NO	1222		0.821	1222
67	67 PCB-100	2.38e5	1.56	NO	0.954	5.000	34.69	34.69	1.069	1.069	NO	1226		0.806	1226
68	68 PCB-94	1.83e5	1.59	NO	0.949	5.000	35.19	35.17	0.985	0.985	NO	1155		0.999	1155

Dataset:      U:\VG11.PRO\Results\200617K1\200617K1-2.qld

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 Printed:        Friday, June 19, 2020 10:28:50 Pacific Daylight Time

Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, 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	7.12e5	1.59	NO	1.20	5.000	35.67	35.66	0.999	0.998	NO	3547		0.787	3547
70	70 PCB-93	2.04e5	1.62	NO	0.935	5.000	35.79	35.80	1.002	1.003	NO	1308		1.01	1308
71	71 PCB-88/91	4.13e5	1.59	NO	1.06	5.000	36.14	36.14	1.012	1.012	NO	2328		0.890	2328
72	72 PCB-121	3.46e5	1.63	NO	1.71	5.000	36.23	36.23	1.015	1.015	NO	1214		0.554	1214
73	73 PCB-84/92	4.04e5	1.58	NO	1.02	5.000	37.08	37.09	0.990	0.991	NO	2383		0.960	2383
74	74 PCB-89	2.16e5	1.58	NO	1.11	5.000	37.25	37.28	0.995	0.996	NO	1172		0.884	1172
75	75 PCB-90/101	4.40e5	1.58	NO	1.12	5.000	37.46	37.46	1.000	1.001	NO	2354		0.870	2354
76	76 PCB-113	2.90e5	1.59	NO	1.51	5.000	37.70	37.72	1.007	1.007	NO	1148		0.645	1148
77	77 PCB-99	2.67e5	1.66	NO	1.32	5.000	37.79	37.81	1.009	1.010	NO	1213		0.740	1213
78	78 PCB-119	3.08e5	1.57	NO	1.81	5.000	38.30	38.28	0.987	0.987	NO	1158		0.612	1158
79	79 PCB-108/112	5.19e5	1.59	NO	1.44	5.000	38.46	38.45	0.991	0.991	NO	2435		0.765	2435
80	80 PCB-83	3.17e5	1.59	NO	1.83	5.000	38.61	38.61	0.995	0.995	NO	1174		0.604	1174
81	81 PCB-97	2.19e5	1.61	NO	1.28	5.000	38.82	38.82	1.000	1.000	NO	1161		0.863	1161
82	82 PCB-86	1.99e5	1.59	NO	1.12	5.000	38.97	38.97	1.004	1.004	NO	1206		0.990	1206
83	83 PCB-87/117/125	8.37e5	1.58	NO	1.56	5.000	39.12	39.10	1.008	1.008	NO	3642		0.709	3642
84	84 PCB-111/115	6.51e5	1.60	NO	1.91	5.000	39.27	39.27	1.012	1.012	NO	2313		0.579	2313
85	85 PCB-85/116	5.03e5	1.61	NO	1.41	5.000	39.40	39.38	1.015	1.015	NO	2420		0.784	2420
86	86 PCB-120	3.46e5	1.61	NO	2.01	5.000	39.66	39.64	1.022	1.022	NO	1170		0.551	1170
87	87 PCB-110	3.13e5	1.59	NO	1.74	5.000	39.79	39.79	1.026	1.025	NO	1217		0.635	1217
88	88 PCB-82	1.91e5	1.60	NO	0.781	5.000	40.44	40.44	0.976	0.976	NO	1189		1.01	1189
89	89 PCB-124	3.28e5	1.60	NO	1.40	5.000	41.15	41.15	0.993	0.993	NO	1145		0.563	1145
90	90 PCB-107/109	6.41e5	1.59	NO	1.34	5.000	41.29	41.28	0.996	0.996	NO	2331		0.586	2331
91	91 PCB-123	2.88e5	1.60	NO	1.20	5.000	41.46	41.46	1.000	1.000	NO	1172		0.656	1172
92	92 PCB-106/118	6.21e5	1.59	NO	1.22	5.000	41.67	41.67	1.001	1.001	NO	2460		0.634	2460
93	93 PCB-114	4.82e5	1.56	NO	1.14	5.000	42.33	42.32	1.000	1.000	NO	1128		0.762	1128
94	94 PCB-122	4.31e5	1.57	NO	0.944	5.000	42.47	42.46	1.004	1.004	NO	1216		0.920	1216
95	95 PCB-105	4.63e5	1.58	NO	1.05	5.000	43.21	43.21	1.000	1.000	NO	1148		0.798	1148
96	96 PCB-127	5.02e5	1.56	NO	1.06	5.000	43.55	43.56	1.000	1.000	NO	1169		0.765	1169
97	97 PCB-126	5.14e5	1.60	NO	1.17	5.000	45.52	45.53	1.000	1.000	NO	1139		0.726	1139
98	98 PCB-155	1.21e5	1.34	NO	1.04	5.000	37.00	36.99	1.000	1.000	NO	1182		0.513	1182
99	99 PCB-150	1.32e5	1.39	NO	1.08	5.000	38.32	38.30	1.036	1.036	NO	1247		0.494	1247
100	1... PCB-152	1.48e5	1.29	NO	1.19	5.000	38.80	38.80	1.049	1.049	NO	1271		0.451	1271
101	1... PCB-145	1.46e5	1.35	NO	1.19	5.000	39.27	39.25	1.062	1.061	NO	1255		0.450	1255
102	1... PCB-136	1.22e5	1.35	NO	1.02	5.000	39.60	39.58	1.071	1.070	NO	1221		0.524	1221
103	1... PCB-148	1.05e5	1.39	NO	0.842	5.000	39.71	39.69	1.074	1.073	NO	1267		0.636	1267
104	1... PCB-154	1.12e5	1.33	NO	0.919	5.000	40.22	40.22	1.088	1.088	NO	1248		0.582	1248

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Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, 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	9.69e4	1.32	NO	0.787	5.000	40.88	40.87	1.105	1.105	NO	1257		0.680	1257
106	1... PCB-135	1.07e5	1.31	NO	0.922	5.000	41.09	41.09	1.111	1.111	NO	1181		0.580	1181
107	1... PCB-144	1.02e5	1.32	NO	0.789	5.000	41.20	41.20	1.114	1.114	NO	1319		0.678	1319
108	1... PCB-147	9.83e4	1.31	NO	0.834	5.000	41.33	41.33	1.118	1.118	NO	1201		0.641	1201
109	1... PCB-139/149	2.24e5	1.36	NO	0.948	5.000	41.62	41.61	1.125	1.125	NO	2414		0.565	2414
110	1... PCB-140	9.75e4	1.30	NO	0.794	5.000	41.80	41.80	1.130	1.130	NO	1254		0.674	1254
111	1... PCB-134/143	5.51e5	1.26	NO	0.759	5.000	42.28	42.25	0.975	0.974	NO	2375		1.86	2375
112	1... PCB-131/133	5.90e5	1.22	NO	0.821	5.000	42.58	42.55	0.982	0.981	NO	2352		1.72	2352
113	1... PCB-142	2.67e5	1.24	NO	0.754	5.000	42.72	42.72	0.985	0.985	NO	1161		1.87	1161
114	1... PCB-146/165	7.23e5	1.26	NO	1.02	5.000	42.97	42.95	0.991	0.990	NO	2327		1.39	2327
115	1... PCB-132/161	7.18e5	1.25	NO	1.02	5.000	43.20	43.19	0.996	0.996	NO	2295		1.38	2295
116	1... PCB-153	3.76e5	1.24	NO	1.07	5.000	43.38	43.38	1.000	1.000	NO	1151		1.32	1151
117	1... PCB-168	3.82e5	1.25	NO	1.08	5.000	43.61	43.61	1.006	1.006	NO	1162		1.31	1162
118	1... PCB-141	3.03e5	1.25	NO	1.03	5.000	44.14	44.14	1.000	1.000	NO	1175		1.69	1175
119	1... PCB-137	3.16e5	1.25	NO	1.11	5.000	44.54	44.54	1.010	1.009	NO	1131		1.56	1131
120	1... PCB-130	2.56e5	1.24	NO	0.885	5.000	44.64	44.65	1.012	1.012	NO	1151		1.96	1151
121	1... PCB-138/163/164	1.17e6	1.25	NO	1.28	5.000	45.03	45.03	1.001	1.001	NO	3465		1.29	3465
122	1... PCB-158/160	7.69e5	1.25	NO	1.24	5.000	45.28	45.28	1.006	1.006	NO	2354		1.33	2354
123	1... PCB-129	2.64e5	1.25	NO	0.867	5.000	45.54	45.53	1.012	1.012	NO	1157		1.90	1157
124	1... PCB-166	4.29e5	1.24	NO	1.14	5.000	46.01	46.00	0.993	0.993	NO	1180		1.23	1180
125	1... PCB-159	4.53e5	1.23	NO	1.22	5.000	46.34	46.34	1.000	1.000	NO	1170		1.15	1170
126	1... PCB-128/162	6.85e5	1.24	NO	0.907	5.000	46.63	46.64	1.007	1.007	NO	2374		1.54	2374
127	1... PCB-167	4.05e5	1.26	NO	1.11	5.000	47.04	47.04	1.000	1.000	NO	1139		1.26	1139
128	1... PCB-156	4.06e5	1.25	NO	1.13	5.000	48.37	48.37	1.000	1.000	NO	1127		1.23	1127
129	1... PCB-157	3.74e5	1.27	NO	1.04	5.000	48.67	48.65	1.001	1.000	NO	1146		1.39	1146
130	1... PCB-169	4.11e5	1.24	NO	1.16	5.000	50.93	50.92	1.000	1.000	NO	1162		1.29	1162
131	1... PCB-188	3.10e5	1.05	NO	1.29	5.000	43.02	43.01	1.001	1.000	NO	1174		1.11	1174
132	1... PCB-184	3.10e5	1.08	NO	1.23	5.000	43.45	43.46	1.011	1.011	NO	1232		1.17	1232
133	1... PCB-179	3.16e5	1.05	NO	1.30	5.000	44.28	44.28	1.030	1.030	NO	1191		1.11	1191
134	1... PCB-176	3.16e5	1.03	NO	1.31	5.000	44.74	44.75	1.041	1.041	NO	1180		1.10	1180
135	1... PCB-186	3.44e5	1.03	NO	1.33	5.000	45.37	45.37	1.055	1.056	NO	1267		1.08	1267
136	1... PCB-178	2.27e5	1.04	NO	0.943	5.000	45.89	45.88	1.067	1.067	NO	1177		1.52	1177
137	1... PCB-175	2.38e5	1.06	NO	0.956	5.000	46.24	46.24	1.076	1.076	NO	1214		1.50	1214
138	1... PCB-182/187	5.22e5	1.05	NO	1.07	5.000	46.42	46.42	1.080	1.080	NO	2395		1.35	2395
139	1... PCB-183	2.57e5	1.04	NO	1.02	5.000	46.76	46.74	1.088	1.087	NO	1229		1.41	1229
140	1... PCB-185	2.35e5	1.03	NO	1.41	5.000	47.42	47.42	0.955	0.955	NO	1143		1.43	1143



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-2.qld

Last Altered: Friday, June 19, 2020 10:28:25 Pacific Daylight Time  
 Printed: Friday, June 19, 2020 10:28:50 Pacific Daylight Time

Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, 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	2.28e5	1.05	NO	1.35	5.000	47.81	47.80	0.962	0.962	NO	1153		1.49	1153
142	1... PCB-181	2.50e5	1.06	NO	1.47	5.000	47.90	47.91	0.964	0.965	NO	1159		1.37	1159
143	1... PCB-177	2.12e5	1.02	NO	1.28	5.000	48.06	48.08	0.968	0.968	NO	1137		1.58	1137
144	1... PCB-171	2.18e5	1.04	NO	1.32	5.000	48.36	48.39	0.974	0.974	NO	1133		1.53	1133
145	1... PCB-173	2.00e5	1.05	NO	1.19	5.000	48.80	48.82	0.983	0.983	NO	1153		1.69	1153
146	1... PCB-172	2.32e5	1.05	NO	1.38	5.000	49.28	49.29	0.992	0.992	NO	1155		1.46	1155
147	1... PCB-192	3.06e5	1.06	NO	1.83	5.000	49.47	49.49	0.996	0.996	NO	1147		1.10	1147
148	1... PCB-180	2.38e5	1.03	NO	1.41	5.000	49.69	49.69	1.000	1.000	NO	1156		1.43	1156
149	1... PCB-193	2.75e5	1.08	NO	1.68	5.000	49.90	49.92	1.005	1.005	NO	1123		1.20	1123
150	1... PCB-191	2.86e5	1.04	NO	1.71	5.000	50.17	50.17	1.010	1.010	NO	1146		1.18	1146
151	1... PCB-170	2.06e5	1.02	NO	1.40	5.000	51.36	51.36	1.000	1.000	NO	1139		1.63	1139
152	1... PCB-190	2.78e5	1.04	NO	1.85	5.000	51.55	51.57	1.004	1.004	NO	1163		1.24	1163
153	1... PCB-189	2.85e5	1.09	NO	1.45	5.000	53.09	53.08	1.000	1.000	NO	1145		1.03	1145
154	1... PCB-202	1.76e5	0.94	NO	1.17	5.000	48.61	48.59	1.001	1.000	NO	1175		0.600	1175
155	1... PCB-201	1.62e5	0.95	NO	1.05	5.000	49.10	49.09	1.011	1.011	NO	1202		0.666	1202
156	1... PCB-204	1.79e5	0.90	NO	1.14	5.000	49.25	49.26	1.014	1.014	NO	1222		0.615	1222
157	1... PCB-197	1.75e5	0.95	NO	1.13	5.000	49.57	49.56	1.020	1.020	NO	1205		0.619	1205
158	1... PCB-200	1.70e5	0.91	NO	1.07	5.000	50.50	50.51	1.040	1.040	NO	1241		0.655	1241
159	1... PCB-198	1.30e5	0.90	NO	0.794	5.000	52.08	52.06	1.072	1.072	NO	1274		0.883	1274
160	1... PCB-199	1.33e5	0.91	NO	0.809	5.000	52.18	52.19	1.074	1.075	NO	1280		0.867	1280
161	1... PCB-196/203	2.71e5	0.93	NO	0.838	5.000	52.50	52.50	1.081	1.081	NO	2522		0.837	2522
162	1... PCB-195	2.66e5	0.87	NO	1.04	5.000	53.80	53.79	0.984	0.983	NO	1101		1.51	1101
163	1... PCB-194	2.88e5	0.88	NO	1.12	5.000	54.72	54.72	1.000	1.000	NO	1113		1.41	1113
164	1... PCB-205	3.55e5	0.91	NO	1.29	5.000	54.98	54.98	1.005	1.005	NO	1188		1.22	1188
165	1... PCB-208	2.96e5	1.31	NO	0.933	5.000	53.94	53.94	1.000	1.000	NO	1131		1.02	1131
166	1... PCB-207	3.01e5	1.35	NO	0.916	5.000	54.26	54.28	1.006	1.007	NO	1172		1.04	1172
167	1... PCB-206	2.26e5	1.35	NO	1.01	5.000	56.24	56.24	1.000	1.000	NO	1108		1.27	1108
168	1... PCB-209	1.95e5	1.20	NO	0.986	5.000	57.47	57.48	1.000	1.000	NO	1159		0.378	1159
169	1... 13C-PCB-1	7.52e5	3.34	NO	0.893	5.000	15.51	15.51	0.608	0.608	NO	1046	52.3	1.81	
170	1... 13C-PCB-3	8.07e5	3.34	NO	0.911	5.000	18.16	18.16	0.712	0.712	NO	1101	55.1	1.77	
171	1... 13C-PCB-4	6.48e5	1.60	NO	0.600	5.000	19.51	19.51	0.765	0.765	NO	1342	67.1	1.02	
172	1... 13C-PCB-9	1.06e6	1.61	NO	0.970	5.000	21.34	21.34	0.836	0.836	NO	1356	67.8	0.630	
173	1... 13C-PCB-11	1.13e6	1.60	NO	0.962	5.000	24.78	24.79	0.971	0.972	NO	1467	73.3	0.635	
174	1... 13C-PCB-19	4.69e5	1.04	NO	0.499	5.000	23.75	23.75	0.931	0.931	NO	1168	58.4	9.29	
175	1... 13C-PCB-32	7.25e5	1.05	NO	0.744	5.000	26.73	26.74	1.048	1.048	NO	1211	60.5	6.23	
176	1... 13C-PCB-28	1.14e6	1.01	NO	1.06	5.000	28.77	28.75	1.004	1.003	NO	1639	81.9	7.31	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-2.qld

Last Altered: Friday, June 19, 2020 10:28:25 Pacific Daylight Time  
Printed: Friday, June 19, 2020 10:28:50 Pacific Daylight Time

Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

	# 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	1.08e6	1.05	NO	0.989	5.000	32.75	32.75	1.143	1.143	NO	1669	83.5	7.86	
178	1... 13C-PCB-54	6.76e5	0.78	NO	0.999	5.000	27.62	27.60	0.753	0.752	NO	1501	75.0	2.11	
179	1... 13C-PCB-52	5.85e5	0.78	NO	0.804	5.000	31.26	31.25	0.852	0.852	NO	1615	80.7	2.62	
180	1... 13C-PCB-47	6.39e5	0.78	NO	0.857	5.000	31.78	31.77	0.866	0.866	NO	1655	82.7	2.46	
181	1... 13C-PCB-70	7.70e5	0.80	NO	0.996	5.000	35.41	35.40	0.965	0.965	NO	1717	85.8	2.12	
182	1... 13C-PCB-80	7.93e5	0.80	NO	1.03	5.000	35.84	35.82	0.977	0.977	NO	1711	85.6	2.05	
183	1... 13C-PCB-81	7.79e5	0.78	NO	0.988	5.000	39.04	39.04	1.064	1.064	NO	1750	87.5	2.13	
184	1... 13C-PCB-77	7.53e5	0.80	NO	0.969	5.000	39.66	39.66	1.081	1.081	NO	1726	86.3	2.18	
185	1... 13C-PCB-104	4.07e5	1.67	NO	1.02	5.000	32.46	32.44	0.827	0.826	NO	1696	84.8	1.22	
186	1... 13C-PCB-95	3.34e5	1.65	NO	0.805	5.000	35.71	35.71	0.910	0.910	NO	1755	87.8	1.54	
187	1... 13C-PCB-101	3.33e5	1.69	NO	0.793	5.000	37.46	37.44	0.954	0.954	NO	1782	89.1	1.56	
188	1... 13C-PCB-97	2.95e5	1.64	NO	0.696	5.000	38.80	38.80	0.989	0.989	NO	1794	89.7	1.78	
189	1... 13C-PCB-123	4.10e5	1.61	NO	0.933	5.000	41.44	41.44	1.056	1.056	NO	1863	93.2	1.33	
190	1... 13C-PCB-118	4.14e5	1.64	NO	0.986	5.000	41.63	41.63	1.061	1.061	NO	1779	88.9	1.25	
191	1... 13C-PCB-114	7.50e5	1.57	NO	1.55	5.000	42.30	42.31	0.908	0.908	NO	1939	97.0	1.54	
192	1... 13C-PCB-105	7.68e5	1.54	NO	1.57	5.000	43.19	43.19	0.927	0.927	NO	1955	97.8	1.51	
193	1... 13C-PCB-127	8.11e5	1.56	NO	1.62	5.000	43.55	43.54	0.934	0.934	NO	1996	99.8	1.46	
194	1... 13C-PCB-126	7.71e5	1.53	NO	1.57	5.000	45.51	45.51	0.976	0.976	NO	1967	98.4	1.52	
195	1... 13C-PCB-155	1.96e5	1.29	NO	0.615	5.000	36.98	36.98	0.942	0.942	NO	1352	67.6	0.718	
196	1... 13C-PCB-153	6.11e5	1.26	NO	1.36	5.000	43.36	43.37	0.930	0.930	NO	1791	89.5	1.61	
197	1... 13C-PCB-141	5.03e5	1.30	NO	1.13	5.000	44.13	44.12	0.947	0.947	NO	1783	89.2	1.94	
198	1... 13C-PCB-138	5.27e5	1.28	NO	1.18	5.000	44.99	44.99	0.965	0.965	NO	1779	89.0	1.85	
199	1... 13C-PCB-159	6.36e5	1.26	NO	1.44	5.000	46.32	46.32	0.994	0.994	NO	1769	88.4	1.52	
200	2... 13C-PCB-167	6.41e5	1.29	NO	1.44	5.000	47.02	47.02	1.009	1.009	NO	1779	89.0	1.52	
201	2... 13C-PCB-156	6.40e5	1.28	NO	1.40	5.000	48.34	48.35	1.037	1.037	NO	1833	91.6	1.57	
202	2... 13C-PCB-157	6.29e5	1.26	NO	1.40	5.000	48.63	48.63	1.043	1.043	NO	1802	90.1	1.57	
203	2... 13C-PCB-169	6.11e5	1.29	NO	1.33	5.000	50.91	50.91	1.092	1.092	NO	1838	91.9	1.65	
204	2... 13C-PCB-188	4.09e5	0.45	NO	1.41	5.000	42.98	42.99	0.926	0.926	NO	1779	88.9	1.28	
205	2... 13C-PCB-180	2.92e5	0.45	NO	0.929	5.000	49.67	49.67	1.070	1.070	NO	1927	96.3	1.94	
206	2... 13C-PCB-170	2.58e5	0.48	NO	0.794	5.000	51.35	51.34	1.106	1.106	NO	1989	99.5	2.27	
207	2... 13C-PCB-189	3.43e5	0.45	NO	1.04	5.000	53.09	53.06	1.144	1.143	NO	2010	100	1.73	
208	2... 13C-PCB-202	2.56e5	0.92	NO	1.04	5.000	48.57	48.58	1.046	1.047	NO	1516	75.8	0.958	
209	2... 13C-PCB-194	4.63e5	0.91	NO	0.768	5.000	54.71	54.70	0.995	0.995	NO	1727	86.4	2.45	
210	2... 13C-PCB-208	5.60e5	0.80	NO	0.991	5.000	53.93	53.93	0.981	0.981	NO	1619	81.0	1.80	
211	2... 13C-PCB-206	4.05e5	0.78	NO	0.552	5.000	56.22	56.22	1.023	1.023	NO	2097	105	3.22	
212	2... 13C-PCB-209	3.42e5	1.21	NO	0.396	5.000	57.48	57.47	1.046	1.046	NO	2467	123	0.643	

Dataset:        U:\VG11.PRO\Results\200617K1\200617K1-2.qld

Last Altered:    Friday, June 19, 2020 10:28:25 Pacific Daylight Time  
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Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

#	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	1.61e6	1.59	NO	1.00	5.000	25.51	25.51	1.000	0.000	NO	2000	100	0.611	
214	2... 13C-PCB-31	1.31e6	1.03	NO	1.00	5.000	28.64	28.66	1.000	0.000	NO	2000	100	7.78	
215	2... 13C-PCB-60	9.01e5	0.79	NO	1.00	5.000	36.66	36.68	1.000	0.000	NO	2000	100	2.11	
216	2... 13C-PCB-111	4.72e5	1.71	NO	1.00	5.000	39.23	39.25	1.000	0.000	NO	2000	100	1.24	
217	2... 13C-PCB-128	5.00e5	1.28	NO	1.00	5.000	46.59	46.60	1.000	0.000	NO	2000	100	2.19	
218	2... 13C-PCB-182	3.26e5	0.45	NO	1.00	5.000	46.40	46.42	0.000	0.000	NO	2000	100	1.80	
219	2... 13C-PCB-205	6.99e5	0.90	NO	1.00	5.000	54.97	54.97	1.000	0.000	NO	2000	100	1.88	
220	2... 13C-PCB-79	8.54e5	0.79	NO	1.07	5.000	37.78	37.78	1.030	1.030	NO	1773	88.7	1.97	
221	2... 13C-PCB-178	2.96e5	0.46	NO	0.766	5.000	45.86	45.87	0.988	0.988	NO	1542	77.1	1.56	
222	2... 13C-PCB-79	8.54e5	0.79	NO	1.08	5.000	37.78	37.78	0.968	0.968	NO	2026	101	2.37	
223	2... 13C-PCB-178	2.96e5	0.46	NO	1.05	5.000	45.85	45.87	0.923	0.923	NO	1926	96.3	1.96	

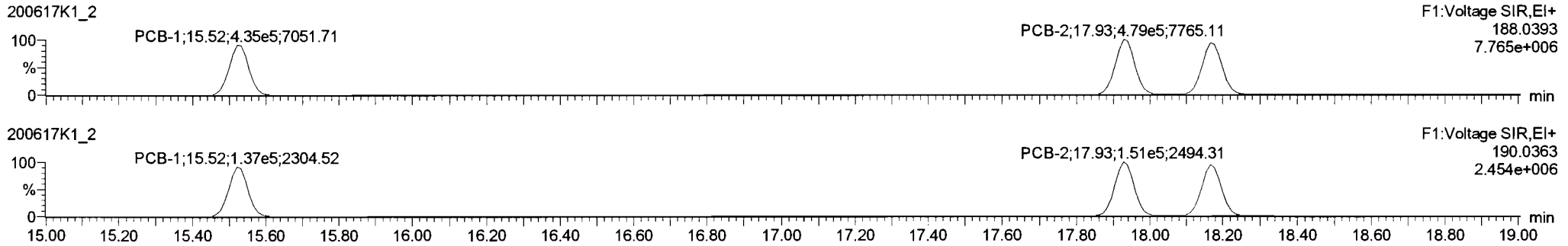
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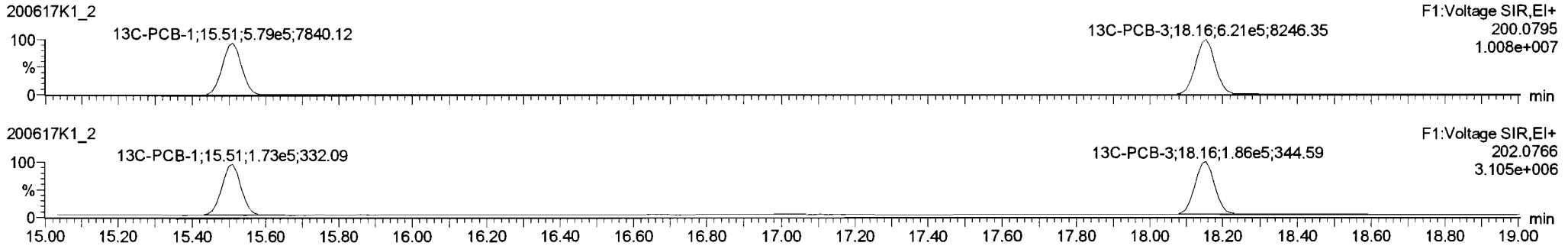
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Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

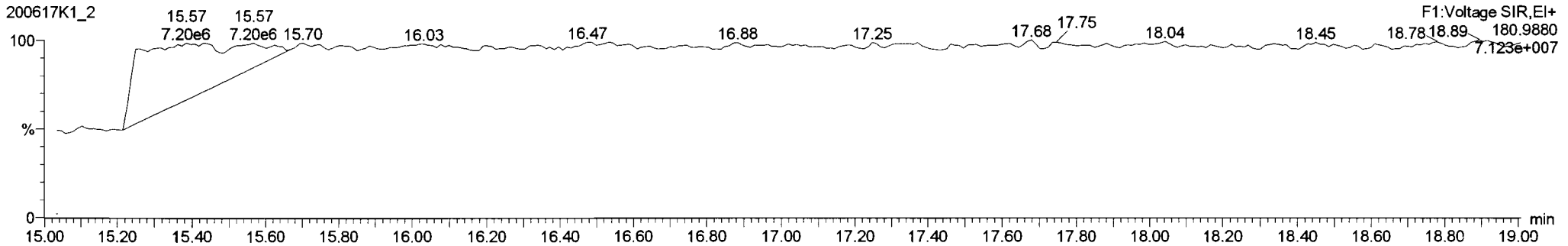
**PCB-1**



**13C-PCB-1**



**PFK1**



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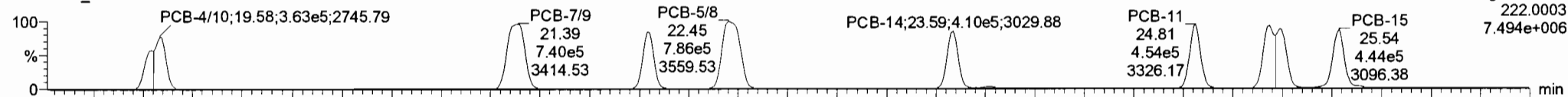
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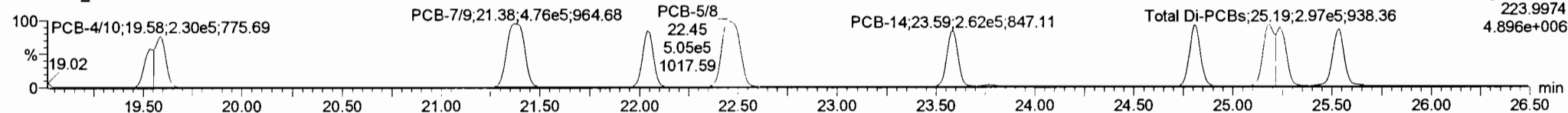
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**PCB-4/10**

200617K1\_2

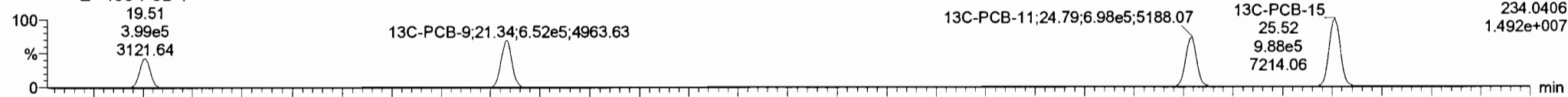


200617K1\_2

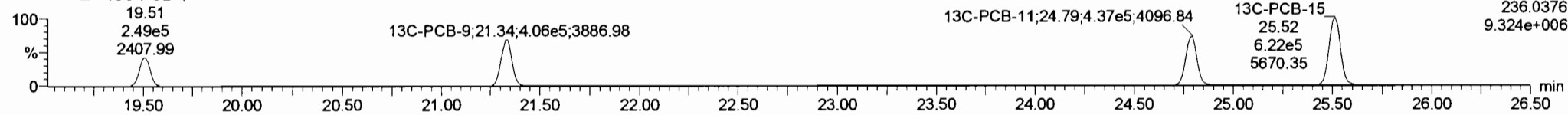


**13C-PCB-4**

200617K1\_2 13C-PCB-4

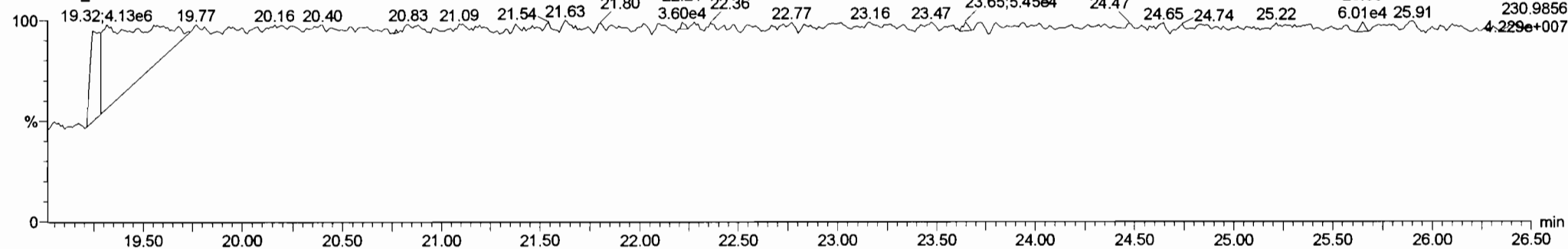


200617K1\_2 13C-PCB-4



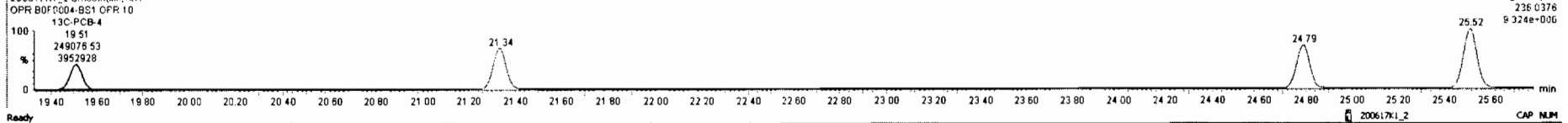
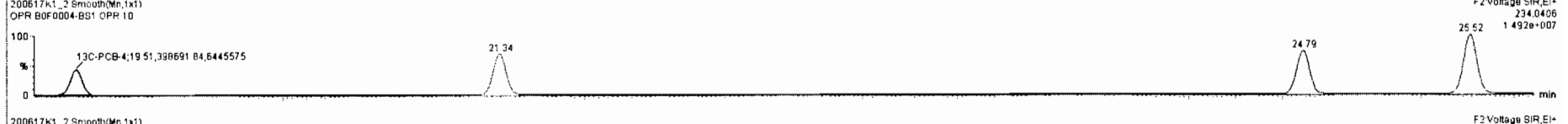
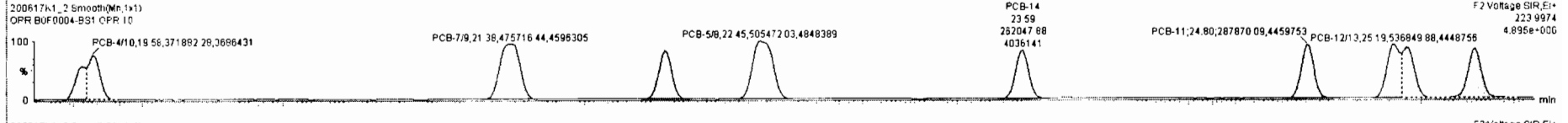
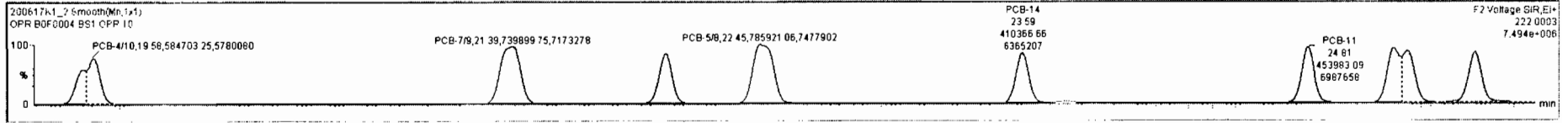
**PFK2a**

200617K1\_2



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
222	13C-PCB-79	8.54e5	0.79	NO	1.0821	5.000	37.79	37.78	0.968	0.968	NO	2026	101	2.37	
223	13C-PCB-178	2.96e5	0.46	NO	1.0508	5.000	45.85	45.87	0.923	0.923	NO	1926	96.3	1.96	
224	Total Mono-PCBs				1.1665	5.000	0.00		0.000		NO	3915		1.59	3915
225	Total Di-PCBs				1.0537	5.000	0.00		0.000		NO	14330		13.1	14330
226	2nd Function Tri-PCBs				1.0807	5.000	0.00		0.000		NO	9694		5.48	9694
227	3rd Function Tri-PCBs				0.9828	5.000	0.00		0.000		NO	18490		16.8	18490
228	Total Tetra-PCBs				1.0778	5.000	0.00		0.000		NO	50190		25.5	50190
229	3rd Function Penta-PCBs				1.3157	5.000	0.00		0.000		NO	48860		21.9	48860
230	4th Function Penta-PCBs				1.0735	5.000	0.00		0.000		NO	5881		3.97	5881
231	Total Hexa-PCBs				0.9406	5.000	0.00		0.000		NO	17320		7.47	17320

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	4 PCB-470	19.59	19.58	5.847e5	3.719e5	1.560	1.57	NO	2366.4	2366.4
2	5 PCB-79	21.40	21.39	7.399e5	4.757e5	1.560	1.56	NO	2392.5	2392.5
3	6 PCB-6	22.05	22.04	4.025e5	2.568e5	1.560	1.57	NO	1217.2	1217.2
4	7 PCB-5/8	22.45	22.45	7.859e5	5.055e5	1.560	1.55	NO	2458.7	2458.7
5	8 PCB-14	23.59	23.59	4.104e5	2.620e5	1.560	1.57	NO	1164.9	1164.9
6	9 PCB-11	24.81	24.81	4.540e5	2.879e5	1.560	1.58	NO	1160.8	1160.8

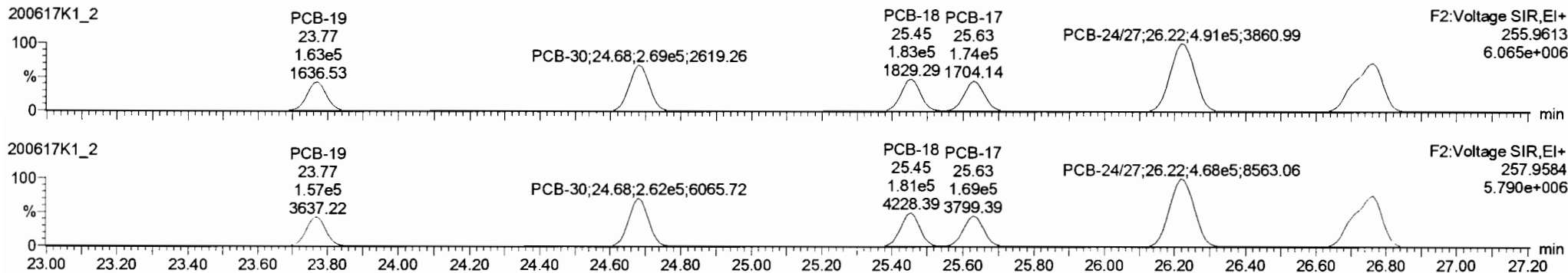


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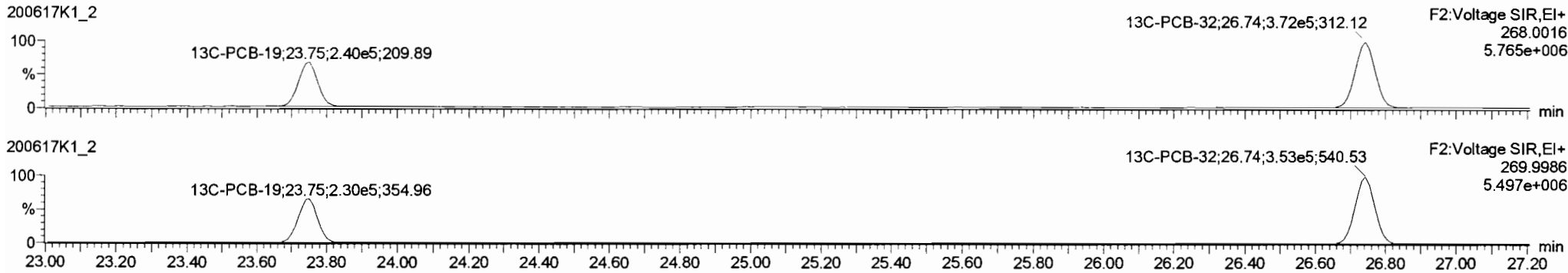
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

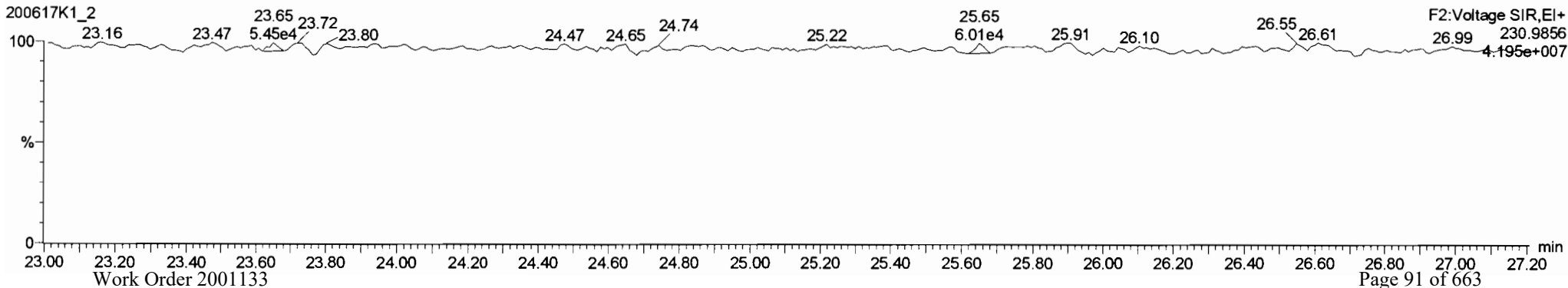
**PCB-19**



**13C-PCB-19**



**PFK2b**



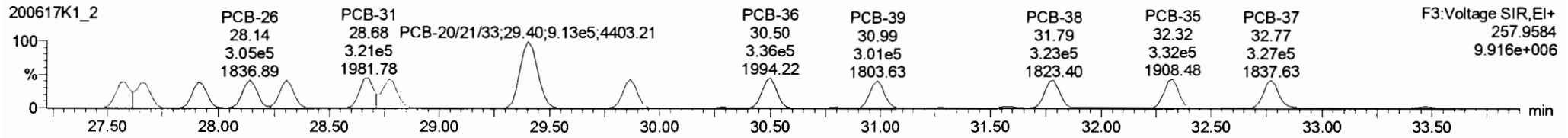
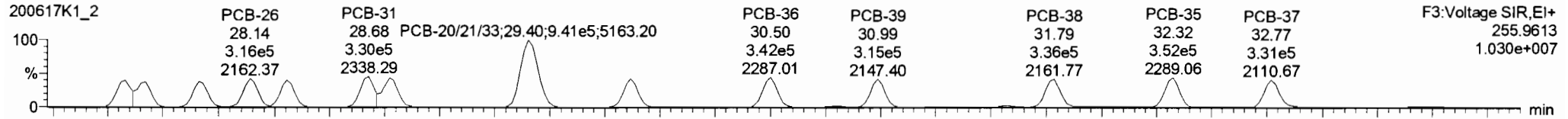
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

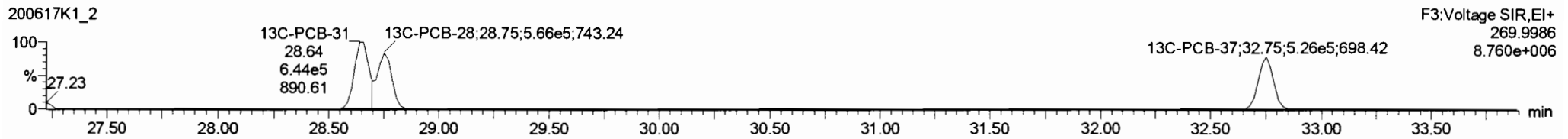
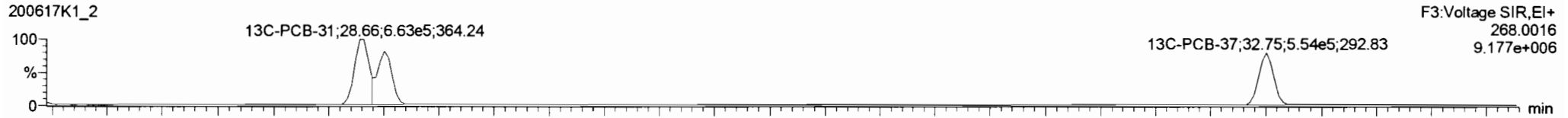
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

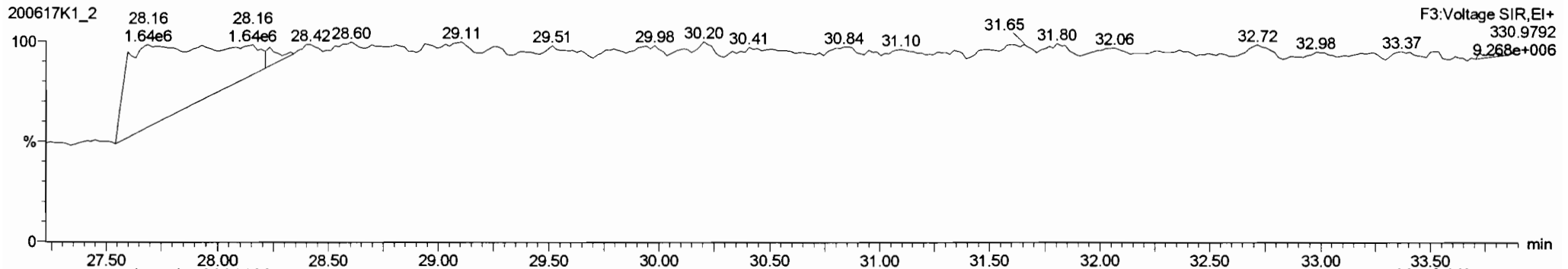
**PCB-34**



**13C-PCB-28**



**PFK3d**



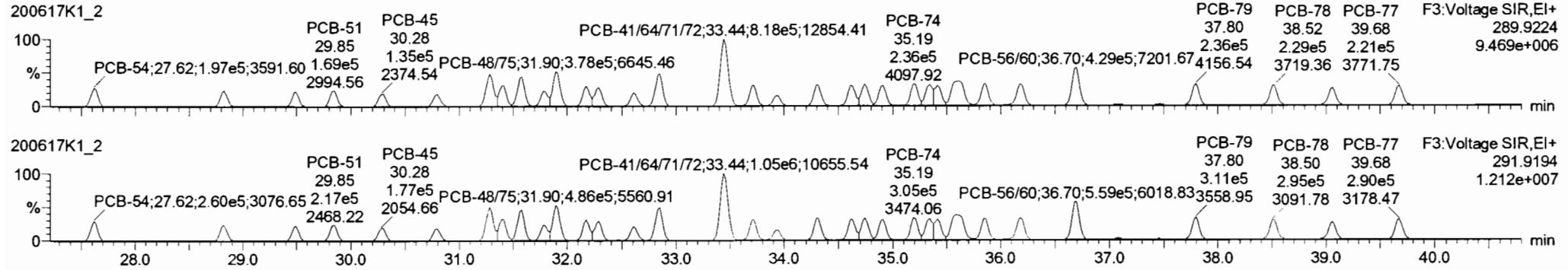


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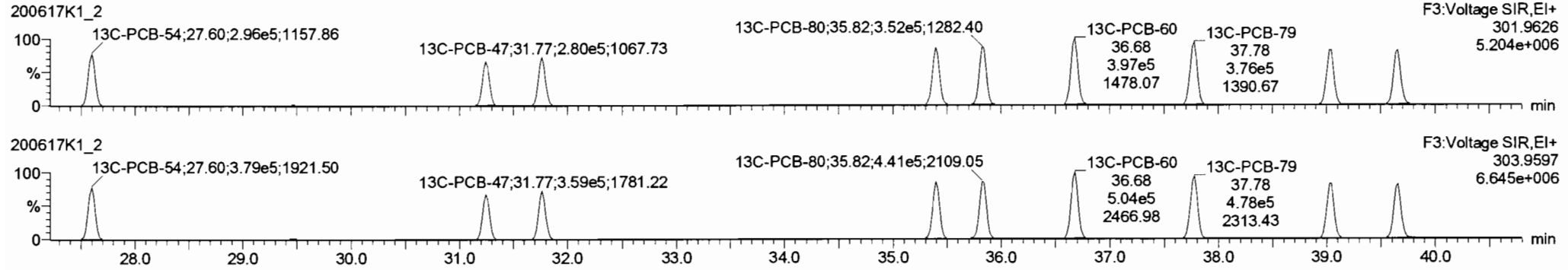
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

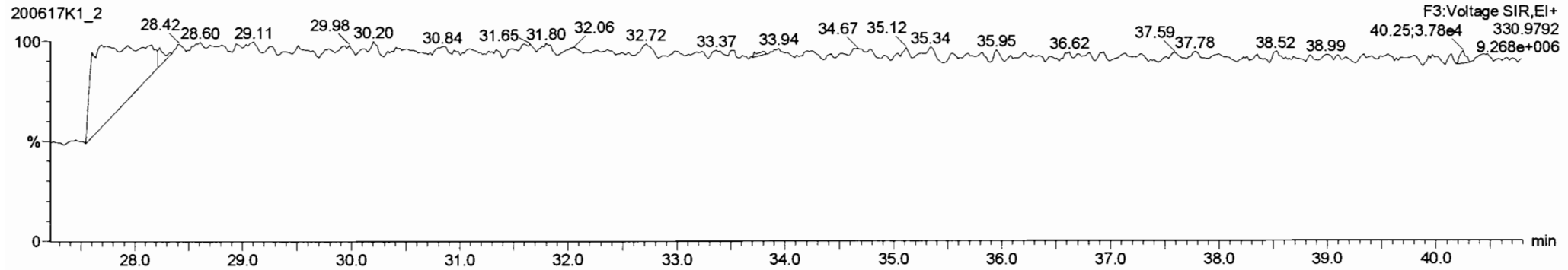
**PCB-54**



**13C-PCB-54**



**PFK3a**



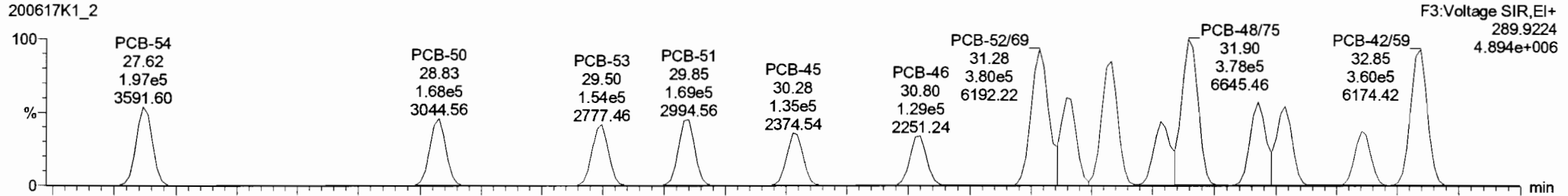
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

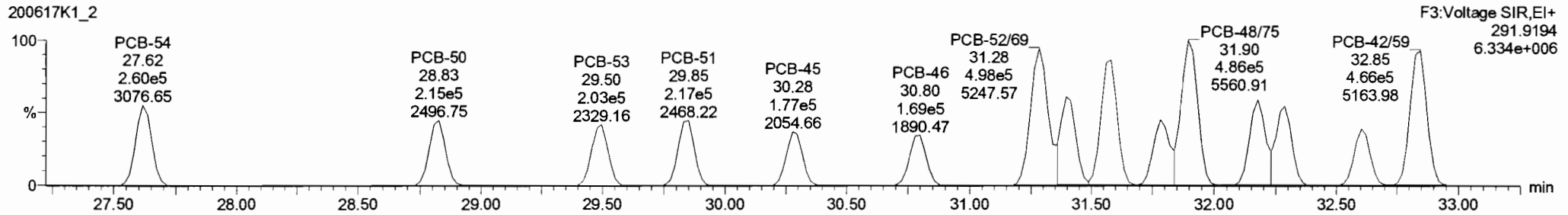
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**PCB-50**

200617K1\_2

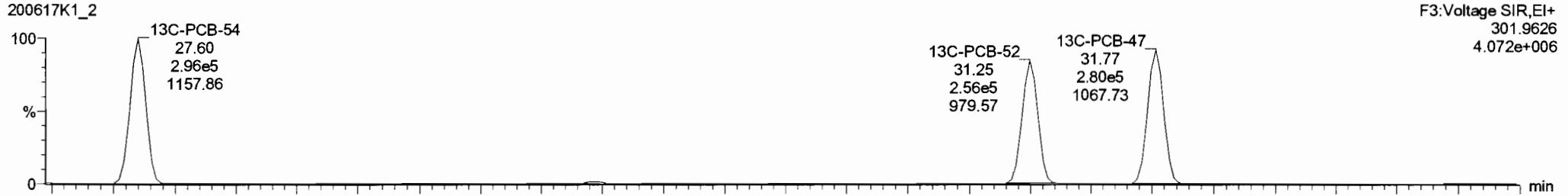


200617K1\_2

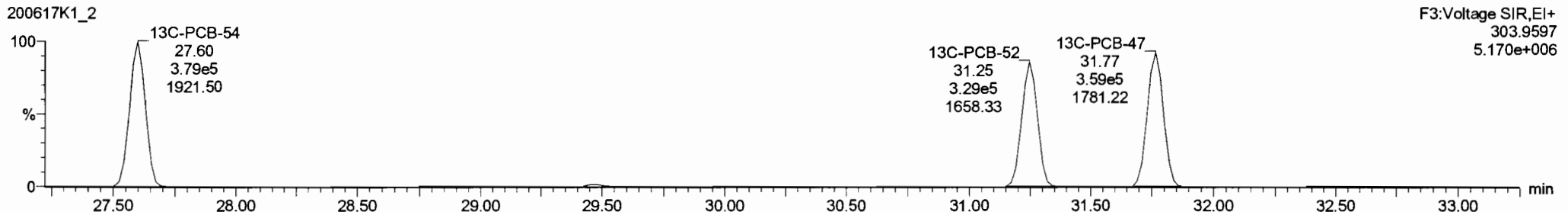


**13C-PCB-52**

200617K1\_2



200617K1\_2



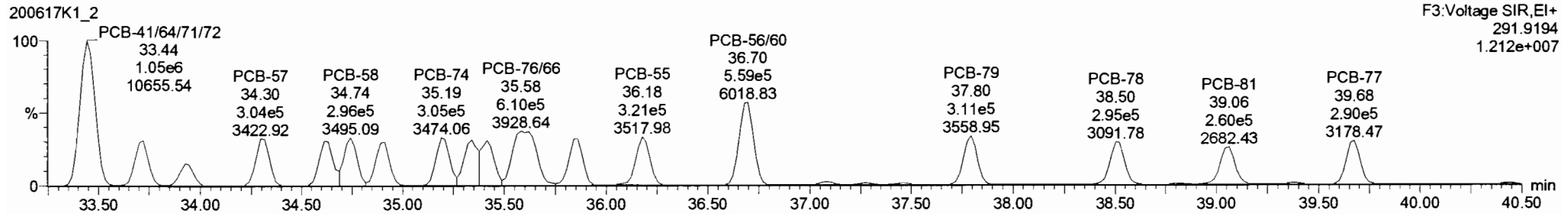
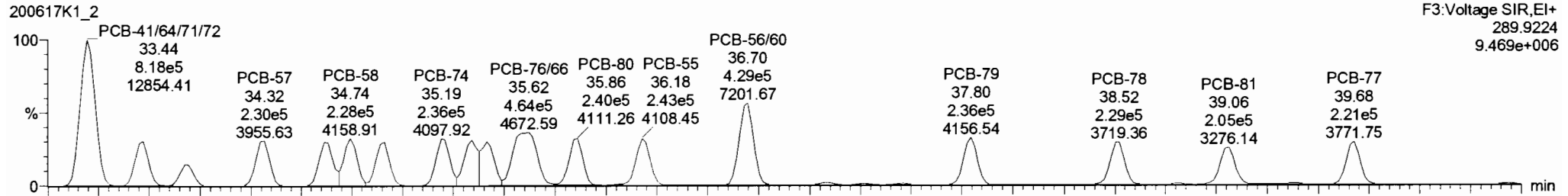
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

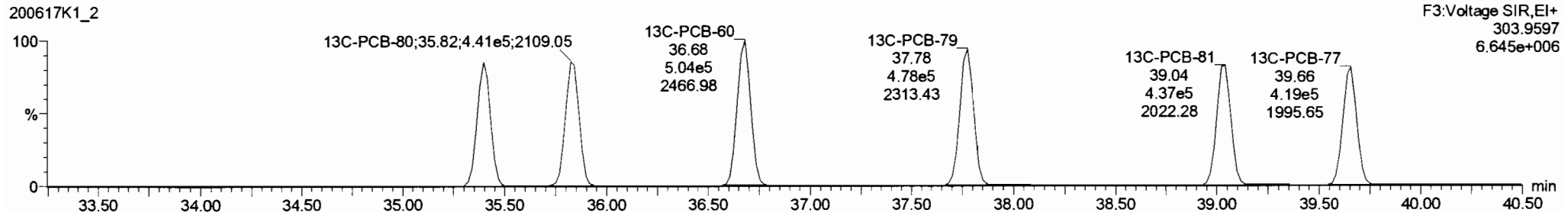
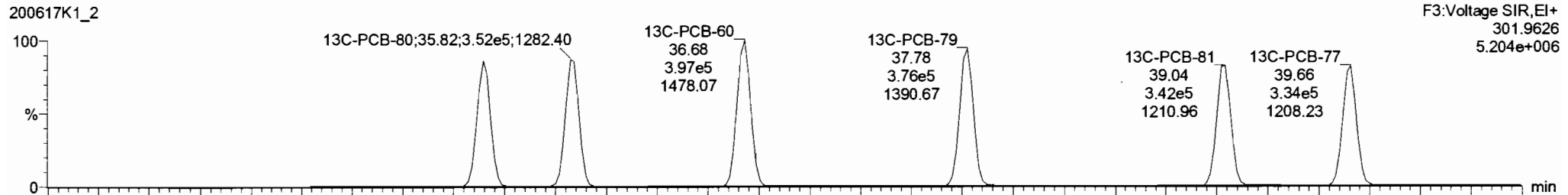
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

PCB-68

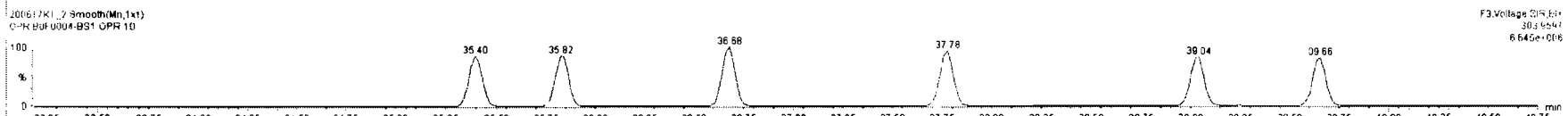
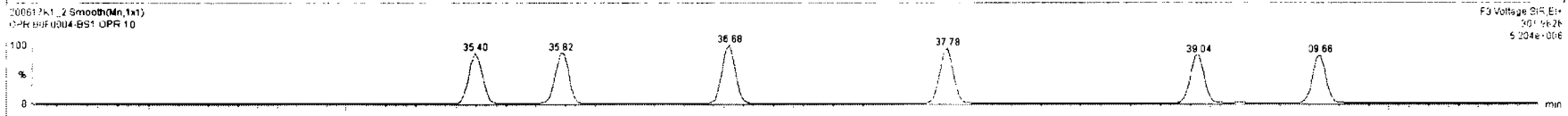
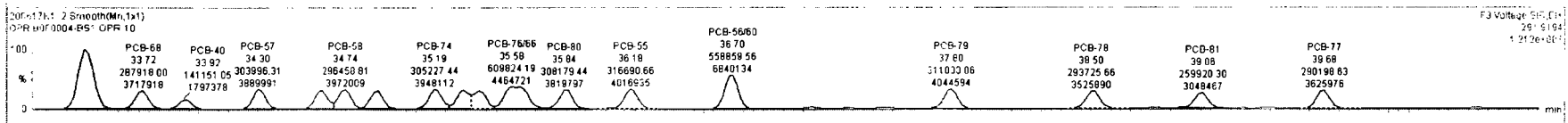
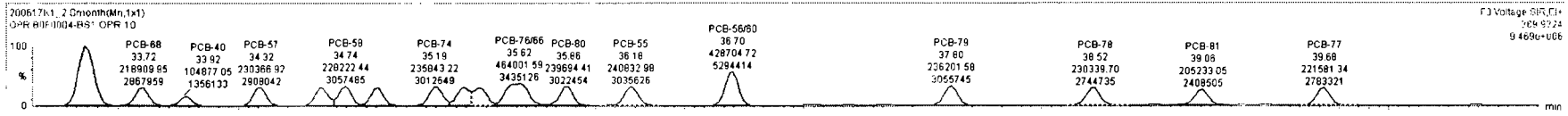


13C-PCB-60



#	Name	Resp	RA	nly	RRF	wtAval	Prod R1	RT	Prod R	RR1	RR1 Fail	Conc	%Rec	DL	EMPC
222	13C-PCB-79	8.54e5	0.79	NO	1.0821	5.000	37.78	37.78	0.968	0.968	NO	2026	101	2.37	
223	13C-PCB-178	2.96e5	0.46	NO	1.0508	5.000	45.87	45.87	0.923	0.923	NO	1926	96.3	1.96	
224	Total Mono-PCBs				1.1665	5.000	0.00	0.000			NO	3915		1.58	3915
225	Total Di-PCBs				1.0537	5.000	0.00	0.000			NO	14330		1.31	14330
226	2nd Function Tri-PCBs				1.0807	5.000	0.00	0.000			NO	9894		5.48	9894
227	3rd Function Tri-PCBs				0.9828	5.000	0.00	0.000			NO	18430		1.68	18430
228	Total Tetra-PCBs				1.0778	5.000	0.00	0.000			NO	51420		25.5	51420
229	3rd Function Penta-PCBs				1.3157	5.000	0.00	0.000			NO	48860		21.9	48860
230	4th Function Penta-PCBs				1.0735	5.000	0.00	0.000			NO	5881		3.97	5881
231	Total Function Hexa-PCBs				0.9595	5.000	0.00	0.000			NO	17120		7.47	17120

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	PCB-54	27.62	27.62	1.974e5	2.597e5	0.770	0.76	NO	1252.8	1252.8
2	PCB-50	28.81	28.83	1.878e5	2.149e5	0.770	0.78	NO	1287.6	1287.6
3	PCB-53	29.50	29.50	1.542e5	2.026e5	0.770	0.76	NO	1223.8	1223.8
4	PCB-51	29.84	29.85	1.695e5	2.166e5	0.770	0.78	NO	1238.9	1238.9
5	PCB-45	30.29	30.28	1.349e5	1.767e5	0.770	0.76	NO	1240.7	1240.7
6	PCB-48	30.78	30.80	1.285e5	1.688e5	0.770	0.78	NO	1223.9	1223.9



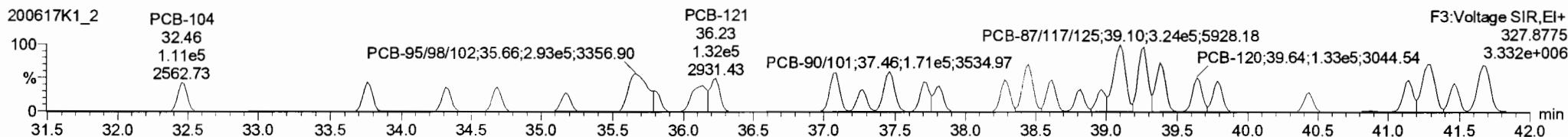
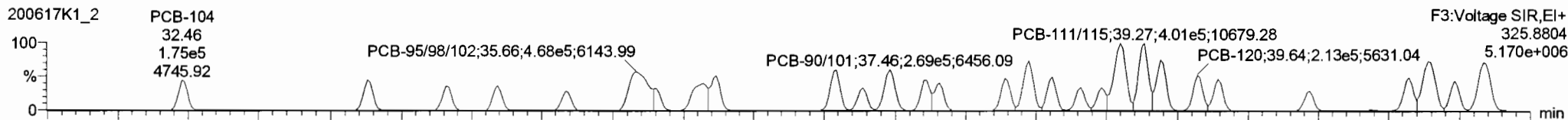
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

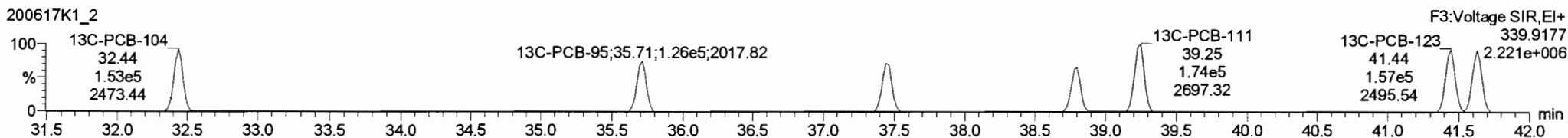
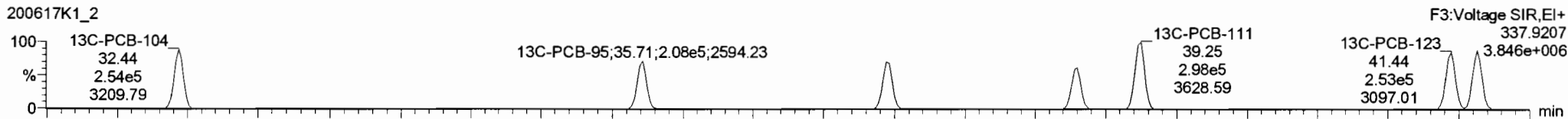
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

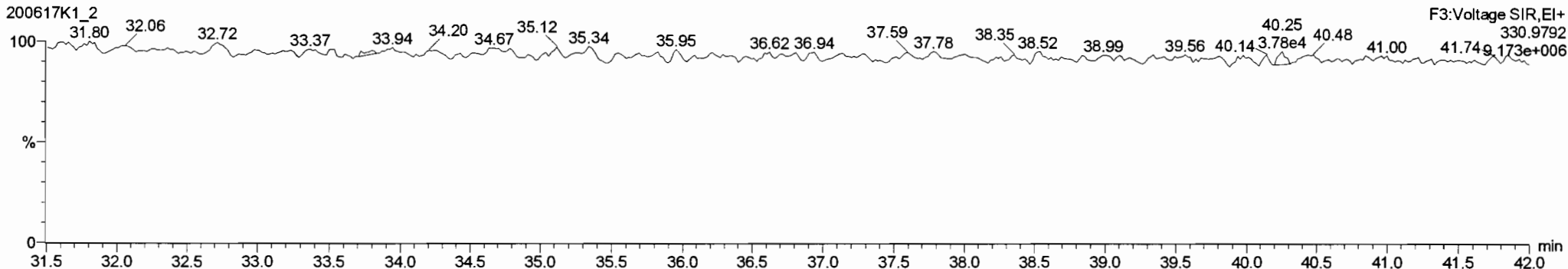
**PCB-104**



**13C-PCB-104**



**PFK3b**

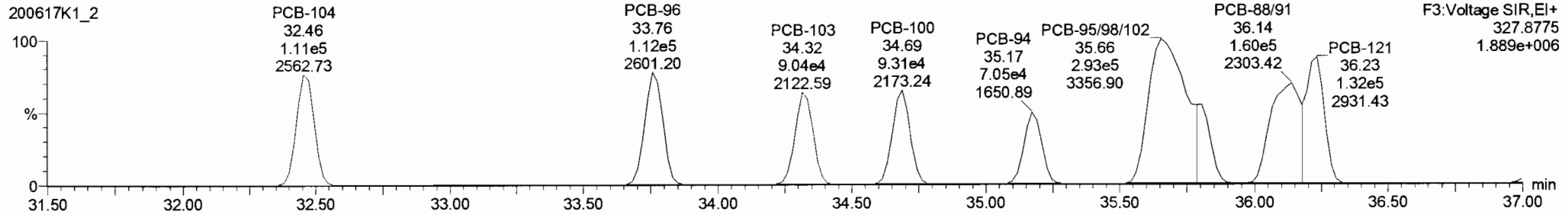
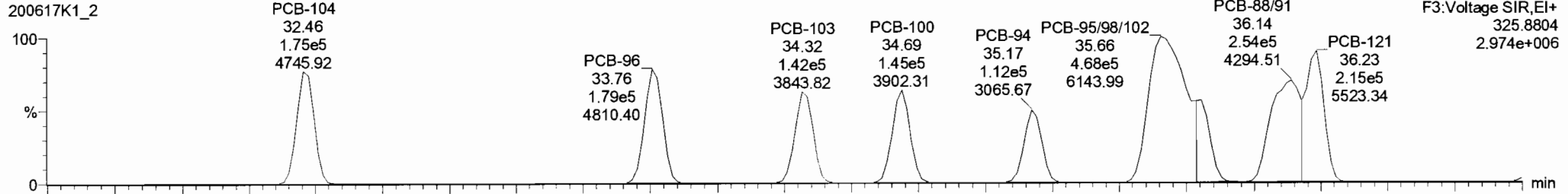


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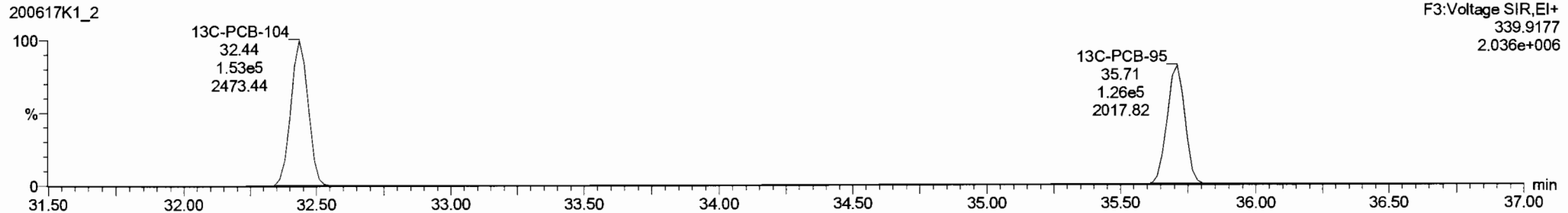
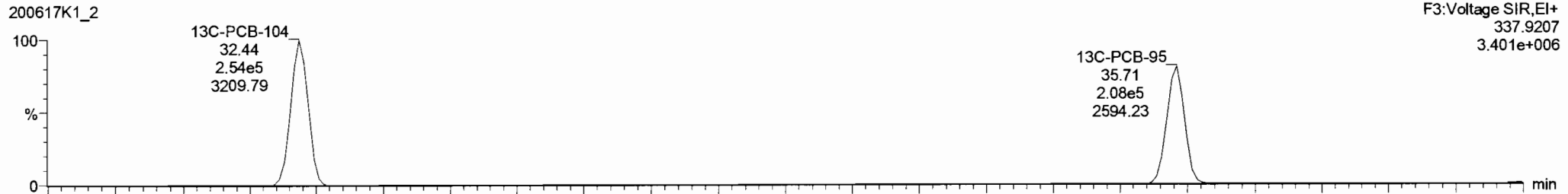
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

**PCB-96**

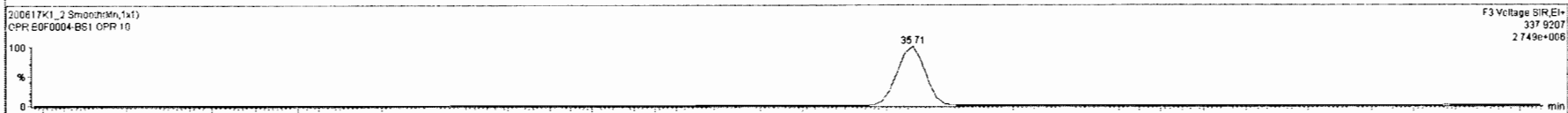
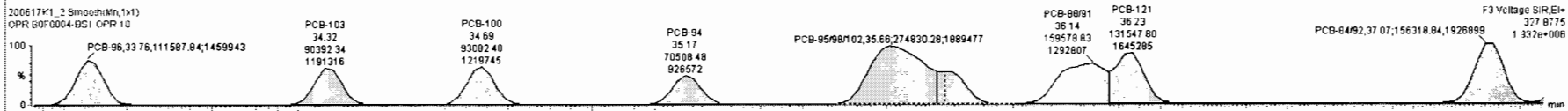
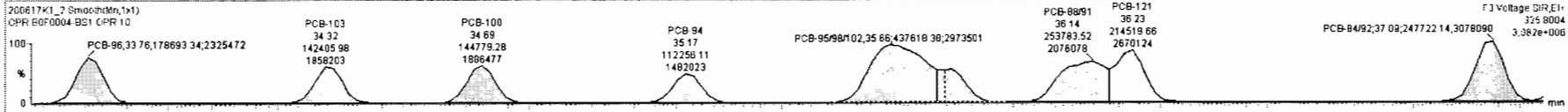


**13C-PCB-95**



#	Name	Resp	RA	rv	RRF	wf/wot	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rac	DL	EMPC
222	222 13C-PCB-79	6.54e5	0.79	NO	1.0821	5.000	37.78	37.78	0.968	0.968	NO	2026	101	2.37	
223	223 13C-PCB-178	2.96e5	0.46	NO	1.0506	5.000	45.85	45.87	0.923	0.923	NO	1826	96.3	1.96	
224	224 Total Mono-PCBs				1.1665	5.000	0.00		0.000		NO	3915		1.58	3915
225	225 Total Di-PCBs				1.0537	5.000	0.00		0.000		NO	14330		13.1	14330
226	226 2nd Function Tri-PCBs				1.0807	5.000	0.00		0.000		NO	9894		5.48	9894
227	227 3rd Function Tri-PCBs				0.9826	5.000	0.00		0.000		NO	18490		18.8	18490
228	228 Total Tetra-PCBs				1.0778	5.000	0.00		0.000		NO	51420		25.5	51420
229	229 3rd Function Penta-PCBs				1.3187	5.000	0.00		0.000		NO	48830		21.9	48830
230	230 4th Function Penta-PCBs				1.0735	5.000	0.00		0.000		NO	5881		3.97	5881
231	231 3rd Function Hexa-PCBs				0.8895	4.000	0.00		0.000		NO	17120		7.47	17120

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rv	EMPC	Conc.
1	64 PCB-104	32.46	32.46	1.759e5	1.07e5	1.550	1.58	NO	1251.8	1251.8
2	65 PCB-96	33.78	33.78	1.787e5	1.116e5	1.550	1.60	NO	1236.8	1236.8
3	66 PCB-103	34.34	34.32	1.424e5	9.038e4	1.550	1.58	NO	1222.1	1222.1
4	67 PCB-100	34.69	34.69	1.448e5	9.308e4	1.550	1.56	NO	1225.3	1225.3
5	68 PCB-94	35.19	35.17	1.123e5	7.051e4	1.580	1.59	NO	1154.9	1154.9
6	69 PCB-95/98/102	35.67	35.66	4.376e5	2.748e5	1.550	1.59	NO	3548.8	3548.8



Dataset: Untitled

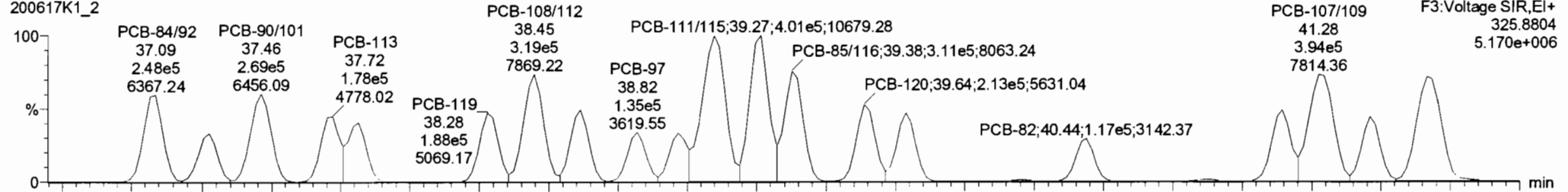
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

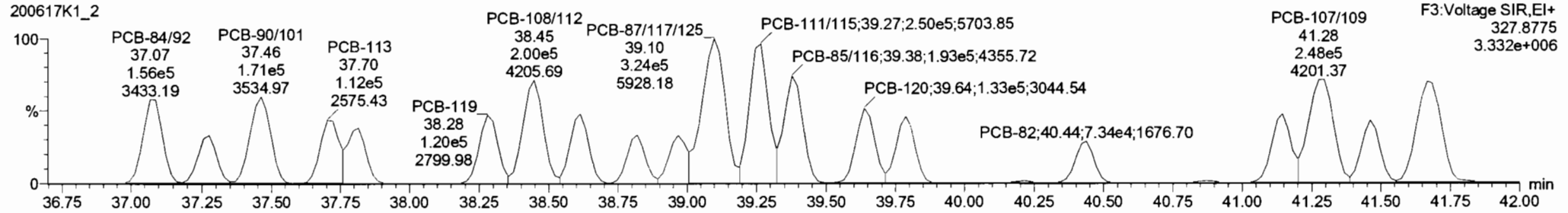
Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

**PCB-119**

200617K1\_2

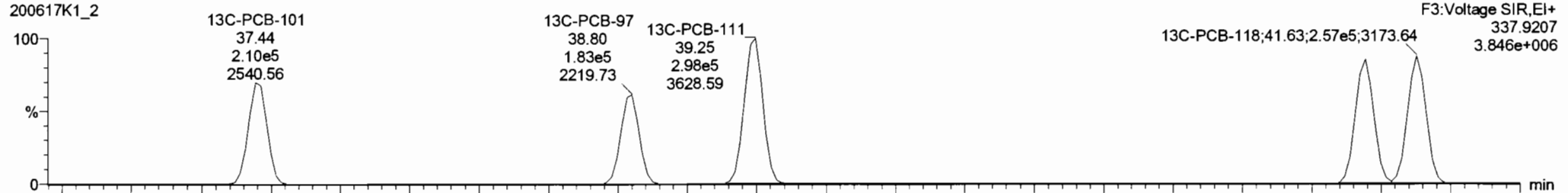


200617K1\_2

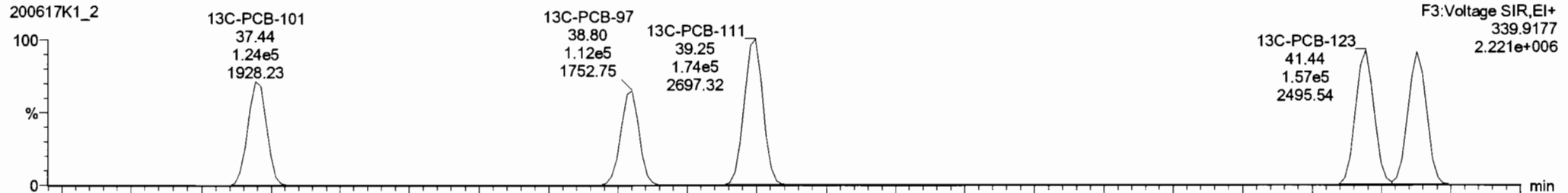


**13C-PCB-111**

200617K1\_2



200617K1\_2

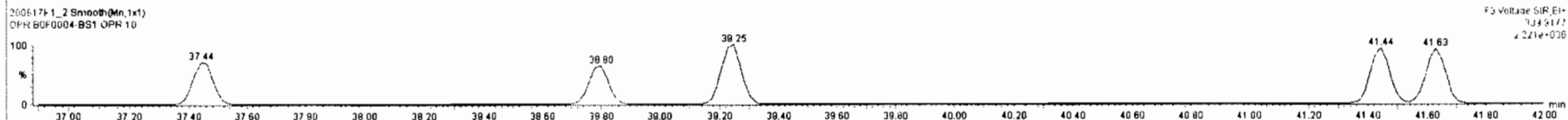
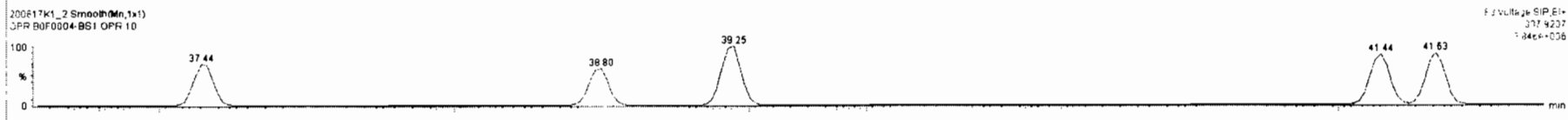
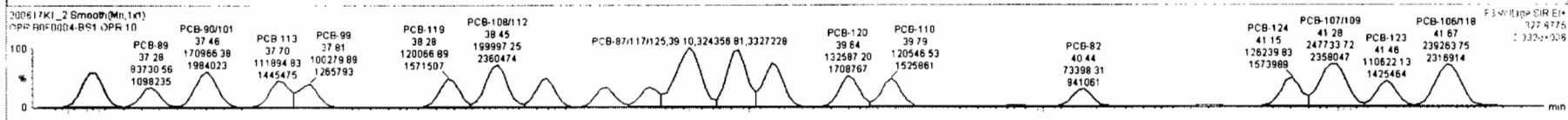
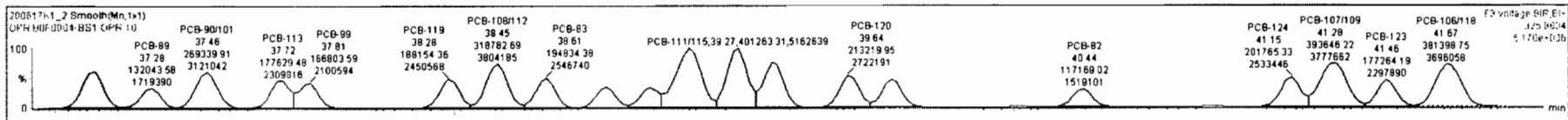




200617K1\_2-ENF0004-BS1 OPR 10-OPR

#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred R <sub>t</sub>	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	8.54e5	0.79	NO	1.0821	5.000	37.78	37.78	0.968	0.968	NO	2026	101	2.37	
223	13C-PCB-178	2.96e5	0.46	NO	1.0508	5.000	45.05	45.87	0.923	0.923	NO	1926	96.3	1.96	
224	Total Mono-PCBs				1.1665	5.000	0.00		0.000		NO	3915		1.58	3915
225	Total Di-PCBs				1.0537	5.000	0.00		0.000		NO	14330		13.1	14330
226	2nd Function Tri-PCBs				1.0807	5.000	0.00		0.000		NO	9894		5.48	9894
227	3rd Function Tri-PCBs				0.9828	5.000	0.00		0.000		NO	18490		16.8	18490
228	Total Tetra-PCBs				1.0778	5.000	0.00		0.000		NO	51420		25.5	51420
229	3rd Function Penta-PCBs				1.3157	5.000	0.00		0.000		NO	48950		21.9	48950
230	4th Function Penta-PCBs				1.0735	5.000	0.00		0.000		NO	5881		3.97	5881
231	3rd Function Hexa-PCBs				0.9406	5.000	0.00		0.000		NO	17120		7.47	17120

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	32.46	32.46	1.750e5	1.107e5	1.560	1.58	NO	1251.8	1251.8
2	65 PCB-95	33.78	33.78	1.787e5	1.116e5	1.560	1.60	NO	1236.8	1236.8
3	66 PCB-103	34.34	34.32	1.424e5	9.039e4	1.560	1.58	NO	1222.1	1222.1
4	67 PCB-100	34.69	34.69	1.448e5	9.308e4	1.560	1.56	NO	1226.3	1226.3
5	68 PCB-94	35.19	35.17	1.123e5	7.051e4	1.560	1.59	NO	1154.9	1154.9
6	69 PCB-95/98/102	35.67	35.66	4.376e5	2.748e5	1.560	1.59	NO	3546.8	3546.8

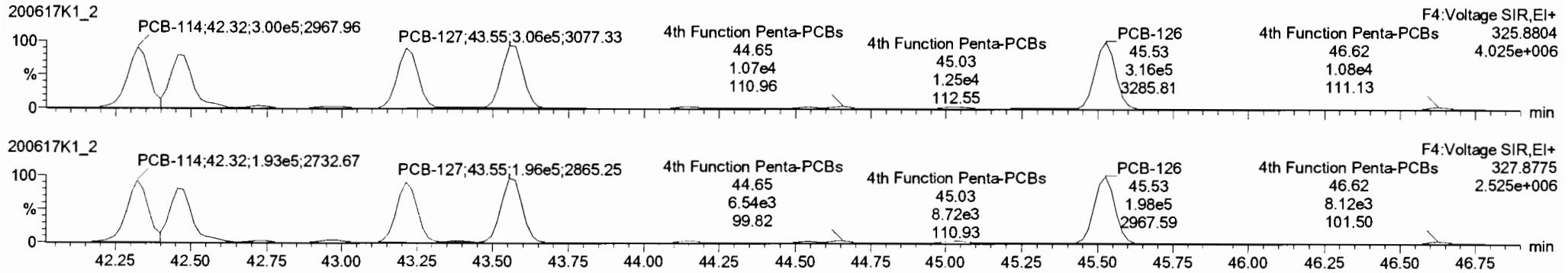


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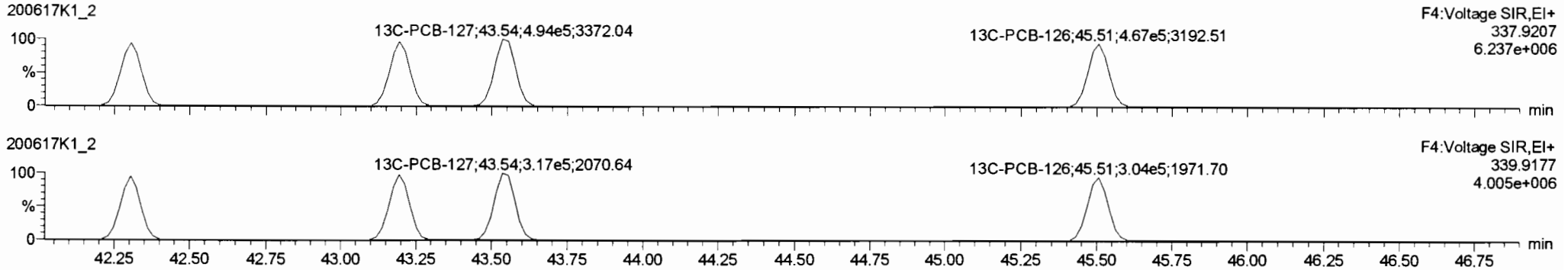
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

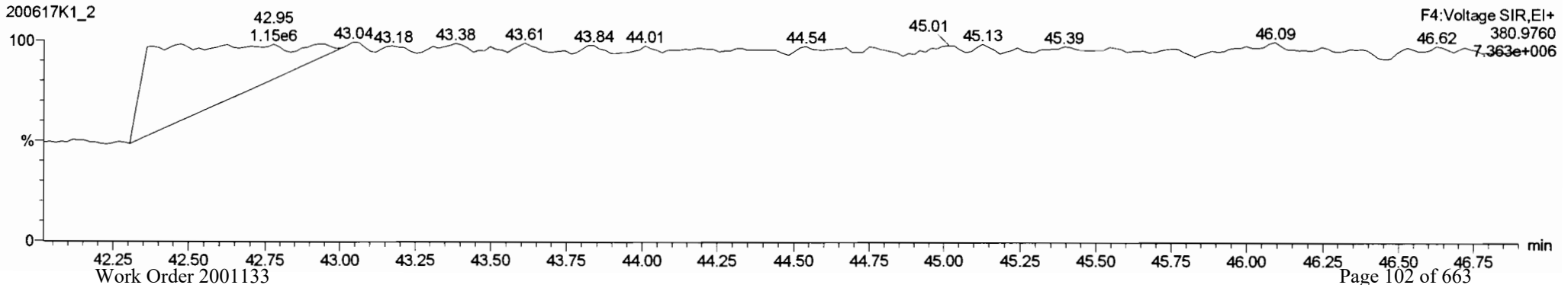
**PCB-114**



**13C-PCB-114**

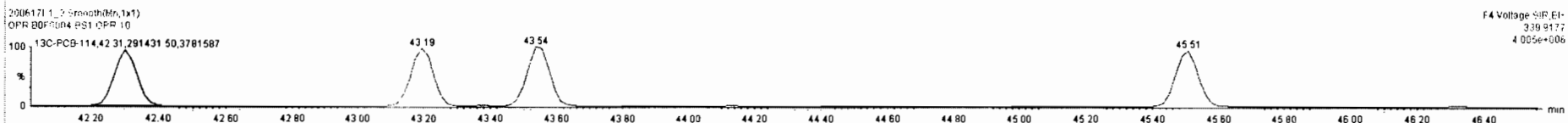


**PFK4a**



#	Name	Resp	RA	n/y	RPF	wt/nd	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DJ	EMPC
222	13C-PCB-79	8.54e5	0.79	NO	1.0621	5.000	37.78	37.78	0.969	0.968	NO	2026	101	2.37	
223	13C-PCB-178	2.96e5	0.46	NO	1.0508	5.000	45.87	45.87	0.923	0.923	NO	1926	96.3	1.96	
224	Total Mono-PCBs				1.1665	5.000	0.00	0.00	0.000		NO	3915		1.58	3915
225	Total Di-PCBs				1.0537	5.000	0.00	0.00	0.000		NO	14330		13.1	14330
226	2nd Function Tri-PCBs				1.0807	5.000	0.00	0.00	0.000		NO	9894		5.48	9894
227	3rd Function Tri-PCBs				0.9628	5.000	0.00	0.00	0.000		NO	18490		16.8	18490
228	Total Tetra-PCBs				1.0778	5.000	0.00	0.00	0.000		NO	51420		25.5	51420
229	3rd Function Penta-PCBs				1.3157	5.000	0.00	0.00	0.000		NO	48950		21.9	48950
230	4th Function Penta-PCBs				1.0736	5.000	0.00	0.00	0.000		NO	5900		3.97	5900
231	3rd Function Hexa-PCBs				0.9998	5.000	0.00	0.00	0.000		NO	17100		7.47	17100

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.33	42.32	2.941e5	1.883e5	1.560	1.56	NO	1127.9	1127.9
2	94 PCB-122	42.47	42.46	2.633e5	1.673e5	1.560	1.57	NO	1216.5	1216.5
3	95 PCB-105	43.21	43.21	2.839e5	1.797e5	1.550	1.58	NO	1148.0	1148.0
4	96 PCB-127	43.55	43.56	3.056e5	1.962e5	1.560	1.56	NO	1168.7	1168.7
5	97 PCB-126	45.52	45.53	3.164e5	1.981e5	1.560	1.60	NO	1138.5	1138.5



Dataset: Untitled

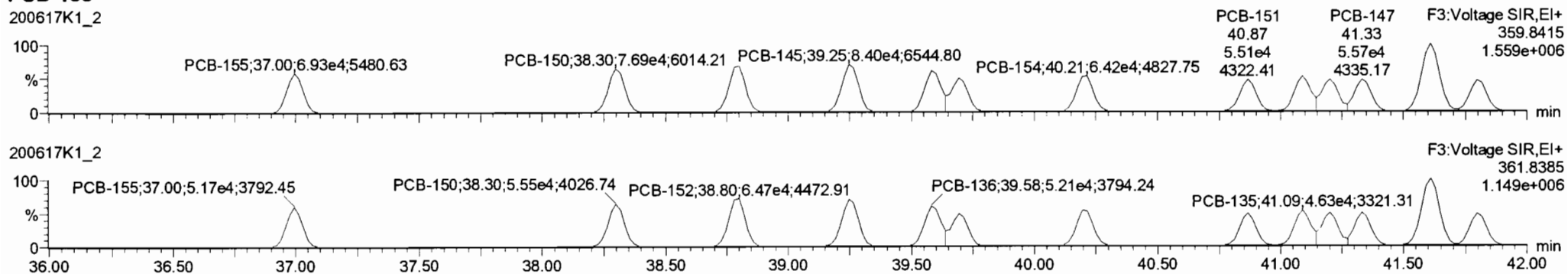
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

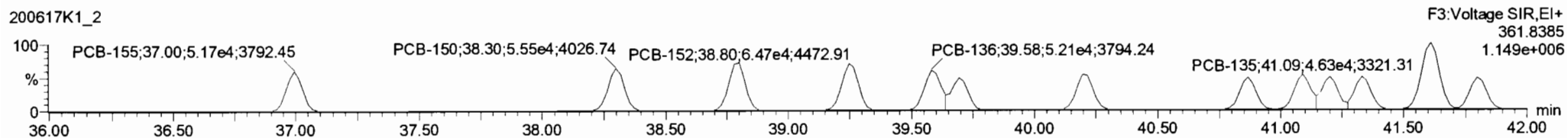
Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

**PCB-155**

200617K1\_2

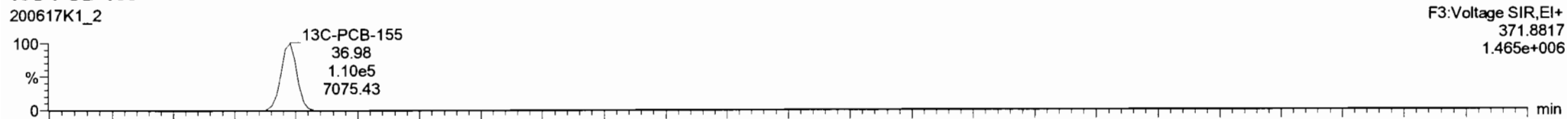


200617K1\_2

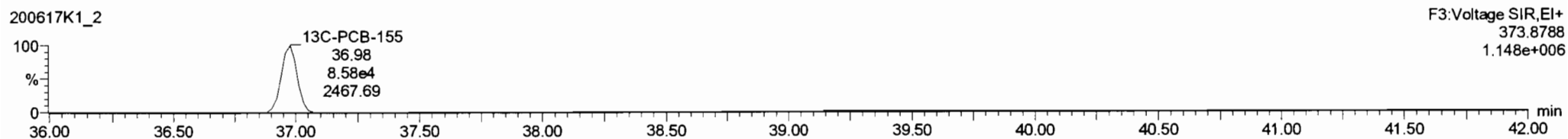


**13C-PCB-155**

200617K1\_2

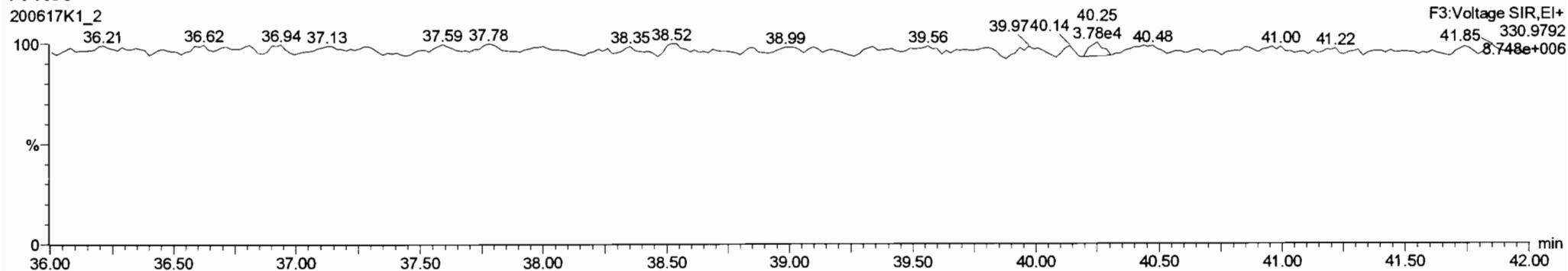


200617K1\_2



**PFK3c**

200617K1\_2

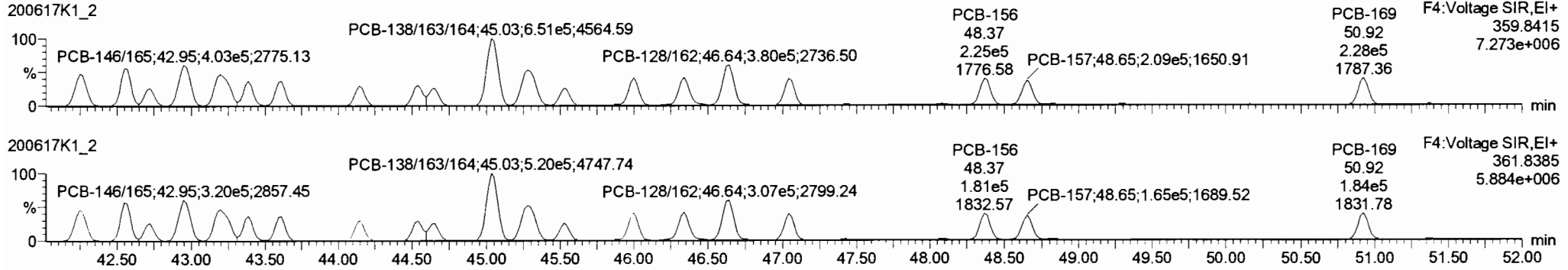


Dataset: Untitled

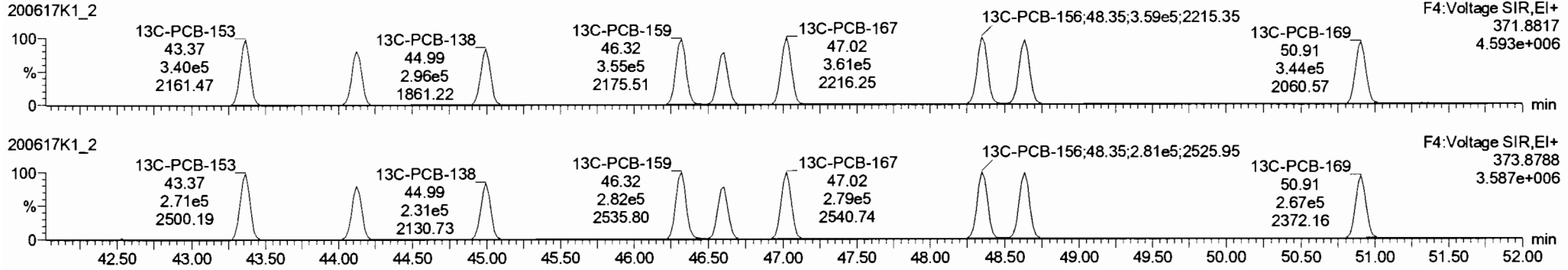
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

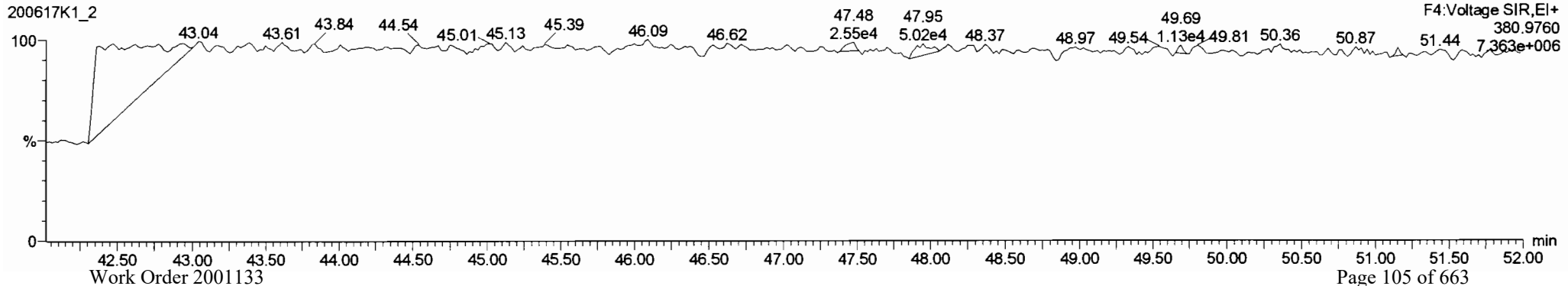
**PCB-134/143**



**13C-PCB-153**



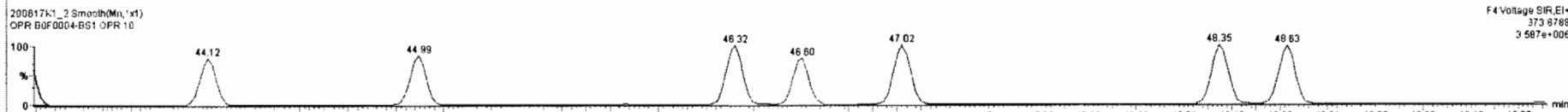
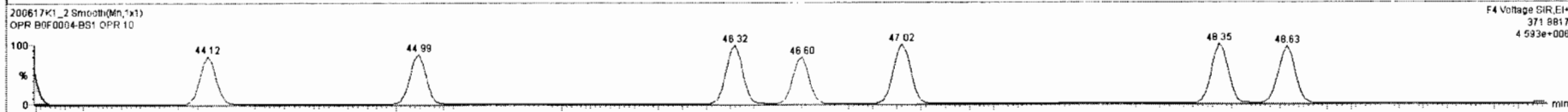
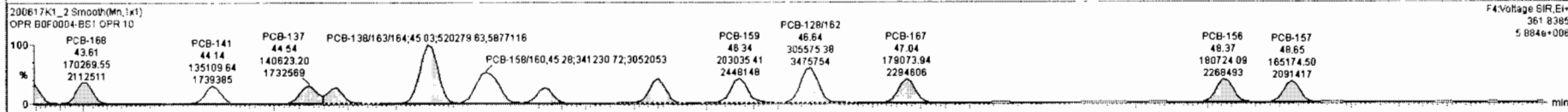
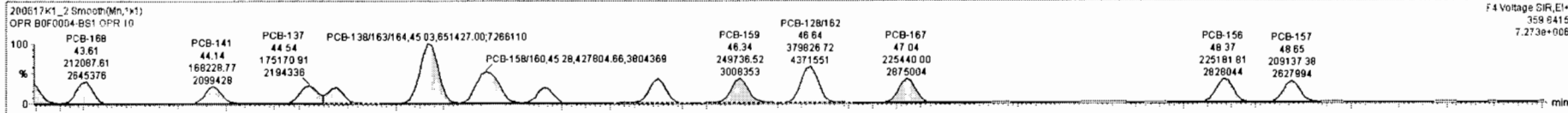
**PFK4b**



2006 7H 1\_2 - B0F0004-BS1 OPR 10 - OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs				1.0316	5.000	0.00		0.000		NO	32550		29.7	32550
233	Total Hepta-PCBs				1.3551	5.000	0.00		0.000		NO	28110		30.7	28110
234	4th Function Octa-PCBs				1.0008	5.000	0.00		0.000		NO	11120		5.74	11120
235	5th Function Octa-PCBs				1.1498	5.000	0.00		0.000		NO	3402		4.14	3402
236	Total Nona-PCBs				0.9523	5.000	0.00		0.000		NO	3411		3.33	3411
237	Deca-CB				0.9864	5.000	0.00		0.000		NO	1159		0.378	1159
238	Total PCBs														
239	Total Mono-Isotopes														
240	Total Di-Isotopes														
241	2nd Function Tri-Isotopes														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.28	42.25	3.068e5	2.439e5	1.240	1.26	NO	2375.4	2375.4
2	112 PCB-131/133	42.58	42.55	3.244e5	2.654e5	1.240	1.22	NO	2352.1	2352.1
3	113 PCB-142	42.72	42.72	1.483e5	1.192e5	1.240	1.24	NO	1161.0	1161.0
4	114 PCB-146/165	42.97	42.95	4.025e5	3.201e5	1.240	1.26	NO	2327.0	2327.0
5	115 PCB-132/161	43.20	43.19	3.983e5	3.197e5	1.240	1.25	NO	2295.1	2295.1
6	116 PCB-153	43.38	43.38	2.083e5	1.681e5	1.240	1.24	NO	1151.0	1151.0



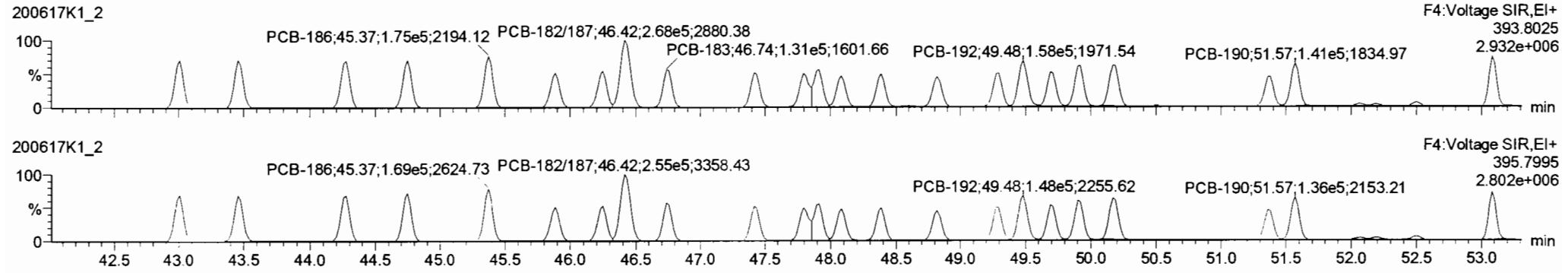
Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

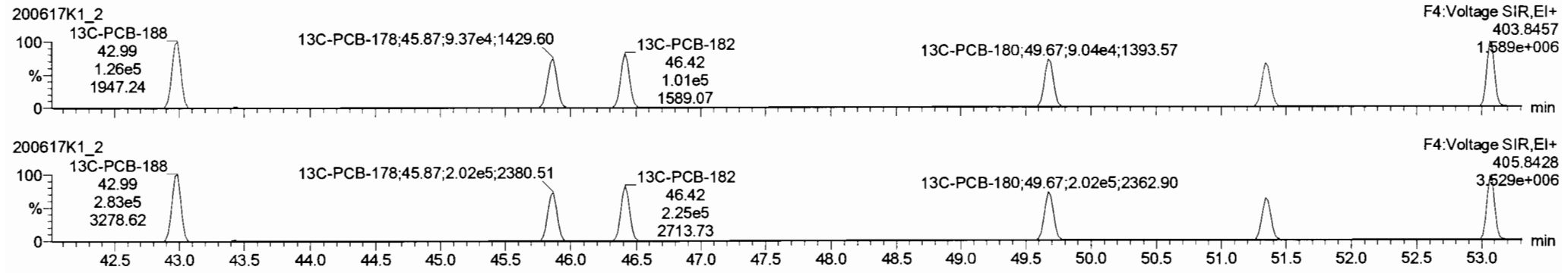
**PCB-188**

200617K1\_2



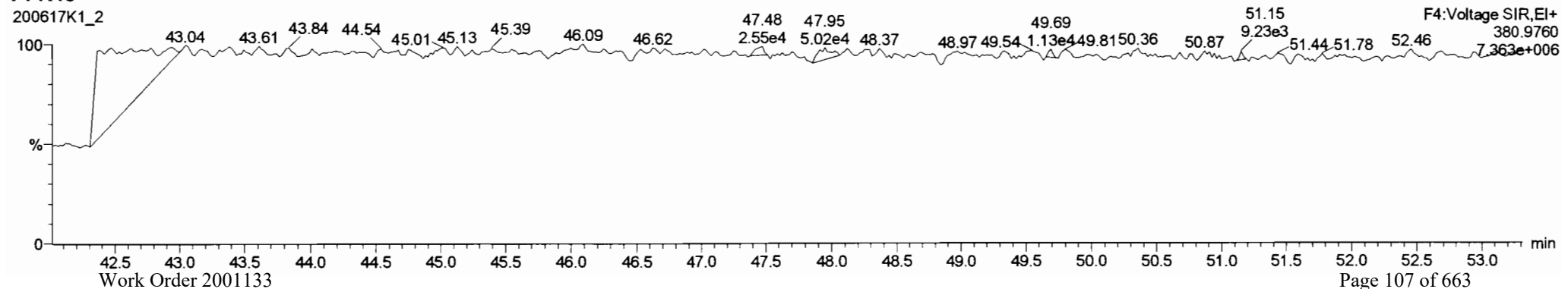
**13C-PCB-188**

200617K1\_2



**PFK4c**

200617K1\_2



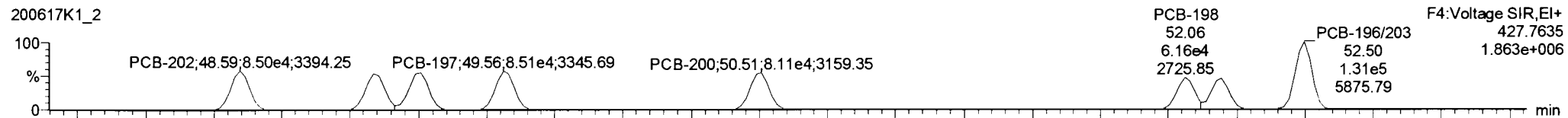
Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
 Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

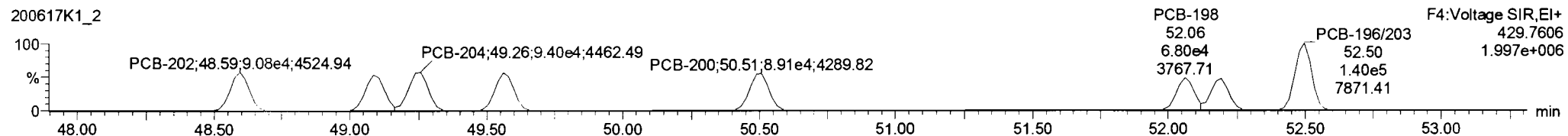
Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

**PCB-202**

200617K1\_2

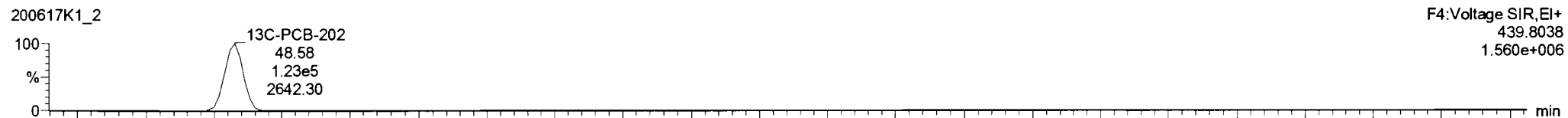


200617K1\_2

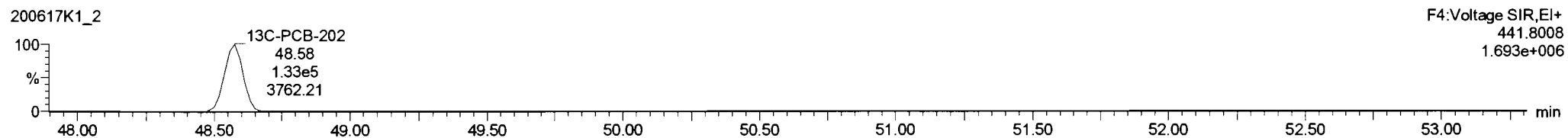


**13C-PCB-202**

200617K1\_2

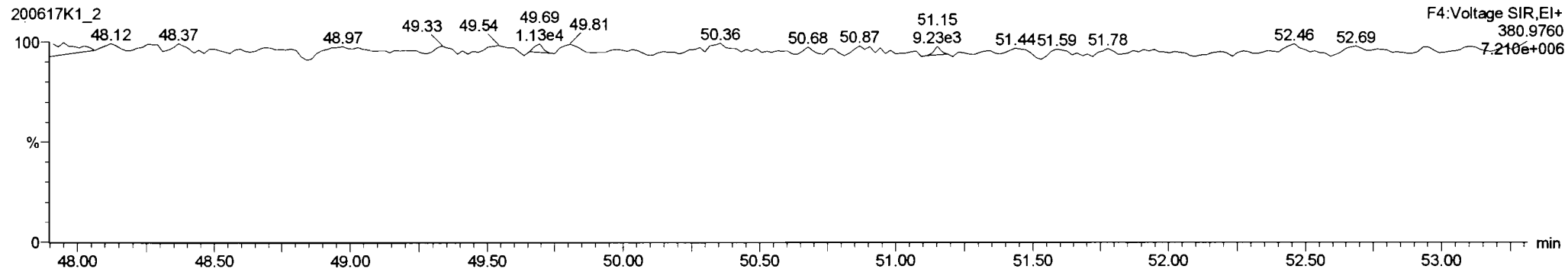


200617K1\_2



**PFK4d**

200617K1\_2





Dataset: Untitled

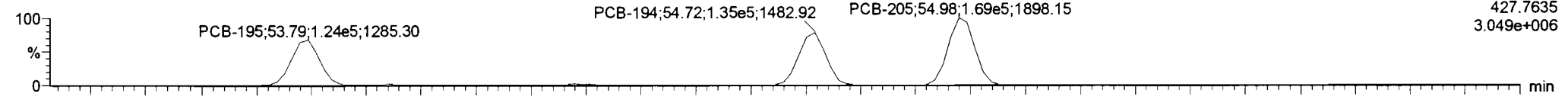
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

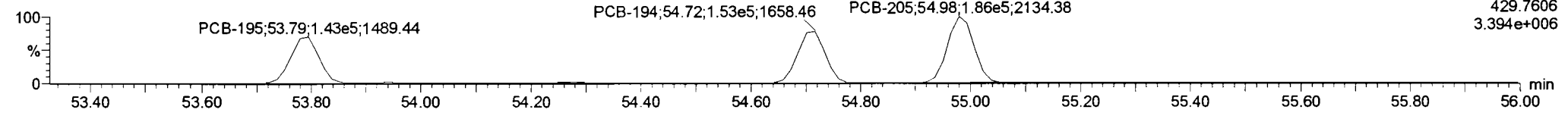
Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

**PCB-195**

200617K1\_2

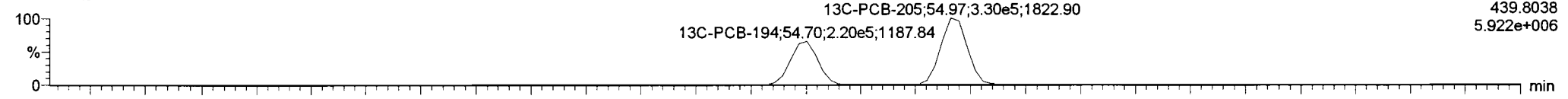


200617K1\_2

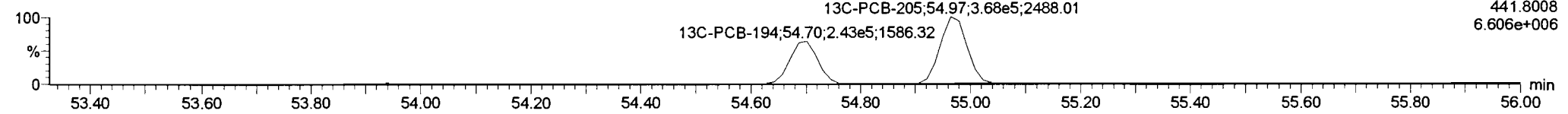


**13C-PCB-194**

200617K1\_2

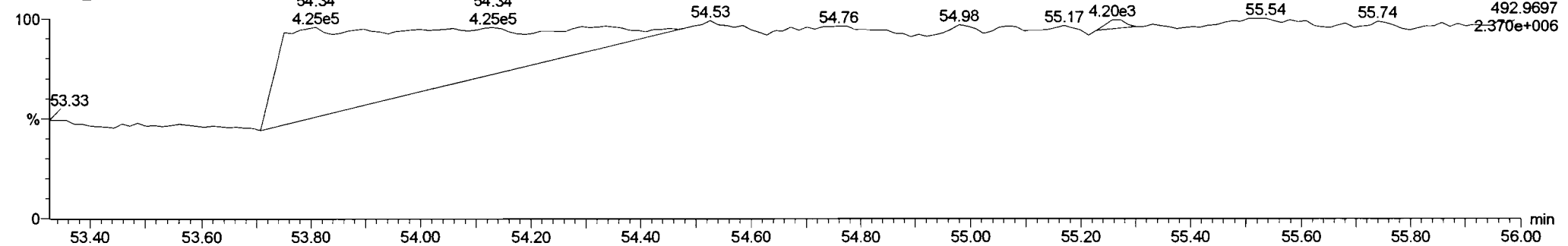


200617K1\_2



**PFK5a**

200617K1\_2



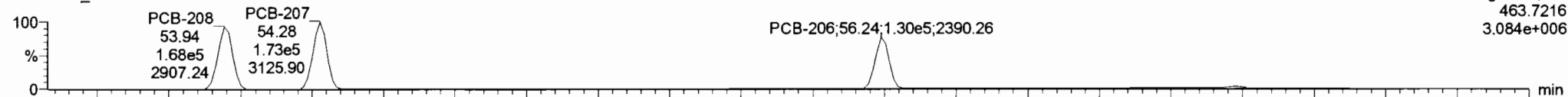
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

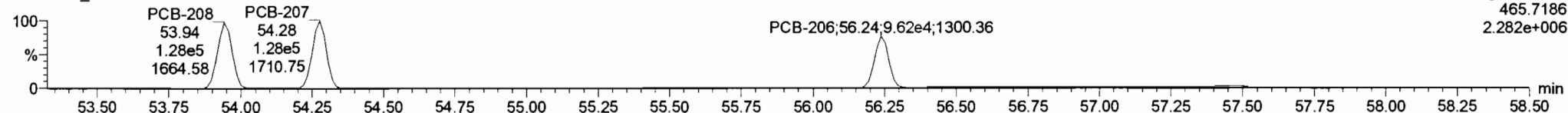
Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

**PCB-208**

200617K1\_2

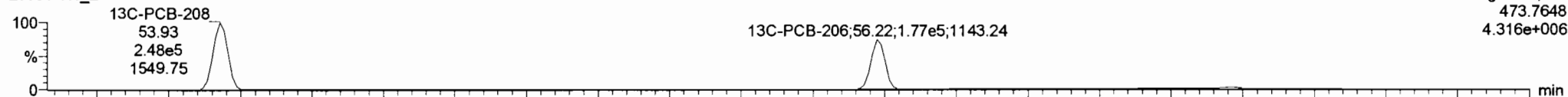


200617K1\_2

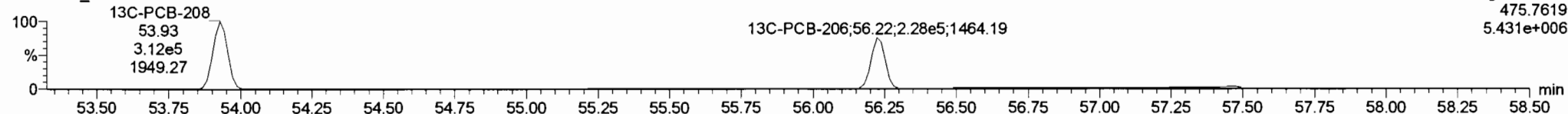


**13C-PCB-208**

200617K1\_2

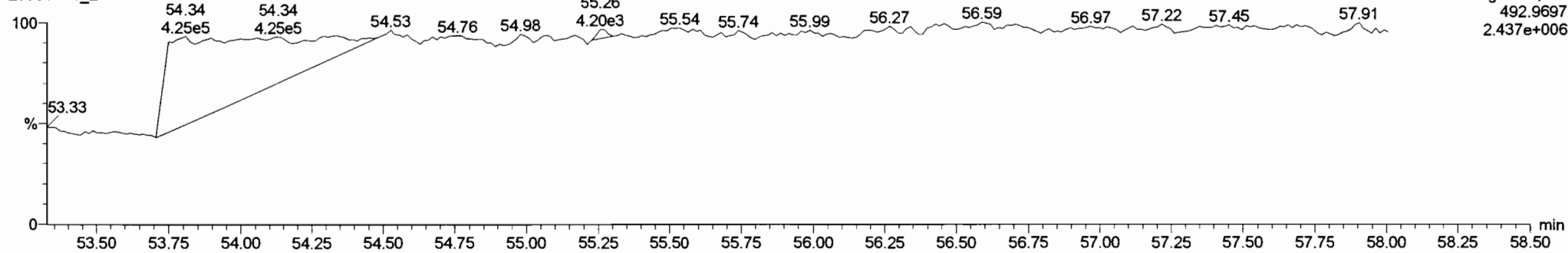


200617K1\_2



**PFK5**

200617K1\_2



Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

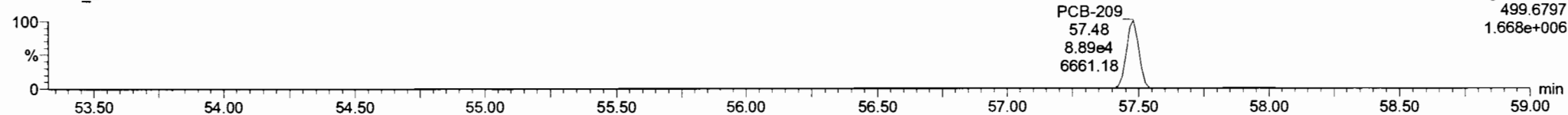
Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

**PCB-209**

200617K1\_2

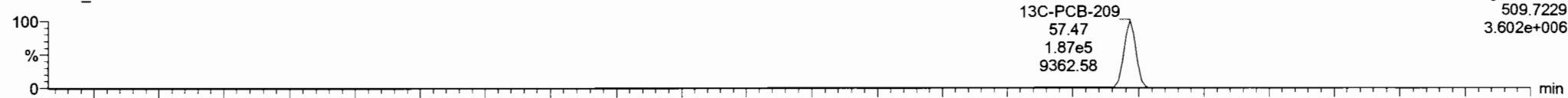


200617K1\_2

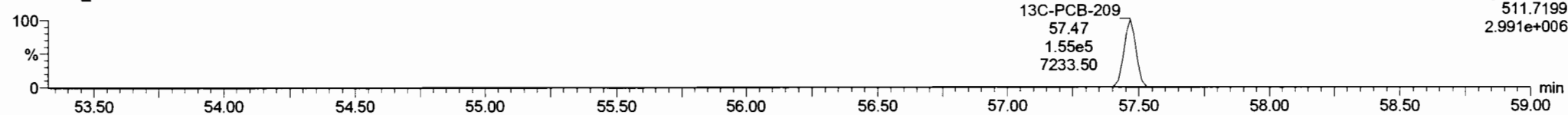


**13C-PCB-209**

200617K1\_2

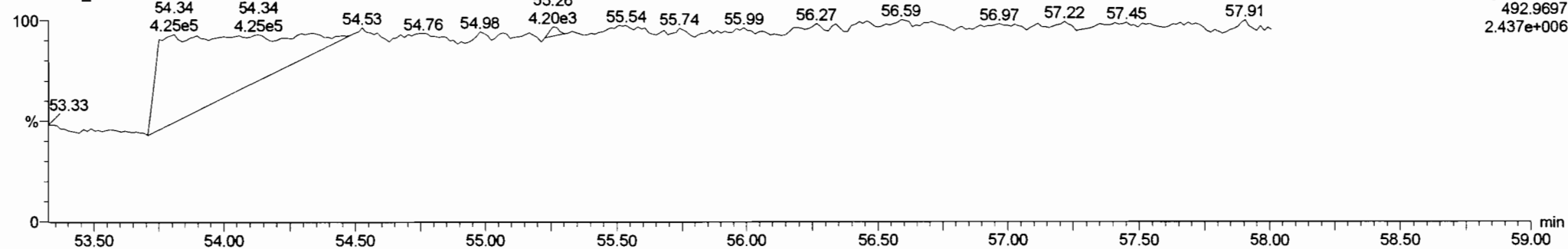


200617K1\_2



**PFK5b**

200617K1\_2



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-7.qld

Last Altered: Friday, June 26, 2020 3:26:16 PM Pacific Daylight Time

Printed: Friday, June 26, 2020 3:33:02 PM Pacific Daylight Time

*Uy 06-26-2020*

*C707/10/09/2020*

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: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	2.67e3	2.69	NO	1.17	5.124	15.54	15.56	1.001	1.001	NO	3.120		0.279	3.120
2	2 PCB-2	1.85e3	2.81	NO	1.18	5.124	17.97	17.96	0.988	0.988	NO	2.035		0.261	2.035
3	3 PCB-3	2.72e3	3.08	NO	1.15	5.124	18.20	18.21	1.001	1.001	NO	3.069		0.269	3.069
4	4 PCB-4/10	5.81e3	0.89	YES	1.25	5.124	19.62	19.56	1.004	1.001	NO	10.30		1.33	7.942
5	5 PCB-7/9			NO	0.960	5.124	21.45		1.003		YES			0.916	
6	6 PCB-6	3.63e3	1.35	NO	1.02	5.124	22.10	22.07	1.033	1.032	NO	5.011		0.859	5.011
7	7 PCB-5/8	1.27e4	1.33	NO	0.992	5.124	22.51	22.47	1.052	1.051	NO	18.09		0.886	18.09
8	8 PCB-14			NO	1.02	5.124	23.65		0.952		YES			1.33	
9	9 PCB-11	4.63e3	1.53	NO	1.13	5.124	24.87	24.90	1.001	1.002	NO	5.265		1.20	5.265
10	10 PCB-12/13			NO	1.03	5.124	25.31		1.018		YES			1.32	
11	11 PCB-15	6.24e3	1.60	NO	1.03	5.124	25.62	25.58	1.031	1.029	NO	7.718		1.31	7.718
12	12 PCB-19	4.36e3	1.00	NO	1.11	5.124	23.80	23.80	1.001	1.001	NO	8.734		0.559	8.734
13	13 PCB-30			NO	1.79	5.124	24.70		1.039		YES			0.345	
14	14 PCB-18	8.69e3	0.97	NO	0.818	5.124	25.46	25.50	0.952	0.953	NO	15.32		0.490	15.32
15	15 PCB-17	1.54e4	1.02	NO	0.758	5.124	25.63	25.66	0.958	0.959	NO	29.20		0.528	29.20
16	16 PCB-24/27	3.86e3	1.12	NO	1.08	5.124	26.25	26.23	0.981	0.980	NO	5.138		0.370	5.138
17	17 PCB-16/32	2.10e4	0.99	NO	0.925	5.124	26.77	26.78	1.001	1.001	NO	32.80		0.433	32.80
18	18 PCB-34			NO	0.945	5.124	27.58		0.959		YES			0.747	
19	19 PCB-23			NO	0.883	5.124	27.67		0.962		YES			0.800	
20	20 PCB-29			NO	0.893	5.124	27.93		0.971		YES			0.791	
21	21 PCB-26	1.06e4	0.90	NO	0.944	5.124	28.16	28.16	0.979	0.979	NO	14.61		0.749	14.61
22	22 PCB-25	6.40e3	1.04	NO	0.950	5.124	28.31	28.32	0.984	0.984	NO	8.768		0.744	8.768
23	23 PCB-31	3.71e4	1.00	NO	1.04	5.124	28.68	28.70	0.997	0.997	NO	46.58		0.682	46.58
24	24 PCB-28	4.60e4	1.03	NO	1.03	5.124	28.79	28.79	1.001	1.001	NO	58.44		0.689	58.44
25	25 PCB-20/21/33	1.93e4	0.96	NO	0.941	5.124	29.43	29.46	1.023	1.024	NO	26.70		0.751	26.70
26	26 PCB-22	1.10e4	1.00	NO	0.973	5.124	29.87	29.89	1.038	1.039	NO	14.77		0.726	14.77
27	27 PCB-36			NO	1.08	5.124	30.55		0.931		YES			0.693	
28	28 PCB-39			NO	0.988	5.124	31.04		0.946		YES			0.755	
29	29 PCB-38			NO	1.05	5.124	31.84		0.970		YES			0.709	
30	30 PCB-35			NO	1.04	5.124	32.38		0.987		YES			0.715	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-7.qld

Last Altered: Friday, June 26, 2020 3:26:16 PM Pacific Daylight Time

Printed: Friday, June 26, 2020 3:33:02 PM Pacific Daylight Time

Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	31 PCB-37	1.15e4	1.06	NO	1.01	5.124	32.83	32.83	1.001	1.001	NO	15.29		0.739	15.29
32	32 PCB-54	1.80e3	0.66	NO	1.08	5.124	27.64	27.64	1.001	1.001	NO	2.724		0.281	2.724
33	33 PCB-50			NO	0.880	5.124	28.83		1.044		YES			0.345	
34	34 PCB-53	1.69e4	0.77	NO	0.997	5.124	29.51	29.51	0.944	0.944	NO	32.48		0.366	32.48
35	35 PCB-51	9.14e3	0.78	NO	1.07	5.124	29.85	29.85	0.955	0.955	NO	16.48		0.342	16.48
36	36 PCB-45	4.96e3	0.83	NO	0.858	5.124	30.30	30.30	0.969	0.969	NO	11.09		0.425	11.09
37	37 PCB-46	2.79e3	0.71	NO	0.831	5.124	30.80	30.80	0.985	0.985	NO	6.443		0.439	6.443
38	38 PCB-52/69	9.15e4	0.74	NO	1.17	5.124	31.30	31.28	1.001	1.001	NO	150.7		0.313	150.7
39	39 PCB-73	5.62e2	0.83	NO	1.44	5.124	31.41	31.43	1.005	1.005	NO	0.7483		0.253	0.7483
40	40 PCB-43/49	5.86e4	0.73	NO	1.02	5.124	31.59	31.60	1.010	1.011	NO	110.7		0.359	110.7
41	41 PCB-47	2.88e4	0.77	NO	0.922	5.124	31.82	31.82	1.001	1.001	NO	54.83		0.389	54.83
42	42 PCB-48/75	8.96e3	0.77	NO	1.12	5.124	31.93	31.95	1.004	1.005	NO	14.01		0.320	14.01
43	43 PCB-65			NO	1.28	5.124	32.20		1.013		YES			0.280	
44	44 PCB-62			NO	1.13	5.124	32.31		1.016		YES			0.318	
45	45 PCB-44	3.98e4	0.76	NO	0.824	5.124	32.66	32.66	1.027	1.027	NO	84.61		0.435	84.61
46	46 PCB-42/59	1.57e4	0.77	NO	1.05	5.124	32.89	32.88	1.034	1.034	NO	26.20		0.342	26.20
47	47 PCB-41/64/71/72	4.77e4	0.76	NO	1.19	5.124	33.49	33.48	1.053	1.053	NO	70.44		0.302	70.44
48	48 PCB-68	1.30e3	0.88	NO	1.28	5.124	33.74	33.74	1.061	1.061	NO	1.781		0.281	1.781
49	49 PCB-40	5.00e3	0.75	NO	0.602	5.124	33.97	33.94	1.068	1.067	NO	14.56		0.596	14.56
50	50 PCB-57	5.24e2	0.73	NO	1.16	5.124	34.32	34.33	0.969	0.970	NO	0.6904		0.250	0.6904
51	51 PCB-67	1.65e3	0.72	NO	1.08	5.124	34.64	34.67	0.978	0.979	NO	2.339		0.269	2.339
52	52 PCB-58	5.40e2	0.76	NO	1.20	5.124	34.76	34.80	0.982	0.983	NO	0.6879		0.242	0.6879
53	53 PCB-63	2.76e3	0.75	NO	1.07	5.124	34.91	34.93	0.986	0.986	NO	3.942		0.272	3.942
54	54 PCB-74	2.35e4	0.75	NO	1.19	5.124	35.22	35.21	0.994	0.994	NO	30.38		0.246	30.38
55	55 PCB-61/70	7.74e4	0.76	NO	1.05	5.124	35.43	35.43	1.000	1.001	NO	112.5		0.276	112.5
56	56 PCB-76/66	6.06e4	0.79	NO	1.16	5.124	35.62	35.64	1.006	1.006	NO	79.74		0.250	79.74
57	57 PCB-80			NO	1.19	5.124	35.86		1.001		YES			0.233	
58	58 PCB-55	9.72e2	0.82	NO	1.17	5.124	36.18	36.18	1.010	1.009	NO	1.206		0.236	1.206
59	59 PCB-56/60	3.06e4	0.76	NO	1.02	5.124	36.70	36.70	1.024	1.024	NO	43.61		0.271	43.61
60	60 PCB-79	1.80e3	0.85	NO	1.14	5.124	37.80	37.81	1.055	1.055	NO	2.299		0.243	2.299
61	61 PCB-78			NO	1.14	5.124	38.52		0.987		YES			0.254	
62	62 PCB-81	4.96e2	0.85	NO	1.05	5.124	39.06	39.10	1.000	1.001	NO	0.7061		0.276	0.7061
63	63 PCB-77	6.42e3	0.79	NO	1.14	5.124	39.68	39.67	1.000	1.000	NO	8.683		0.261	8.683

Dataset: U:\WG11.PRO\Results\200617K1\200617K1-7.qld

Last Altered: Friday, June 26, 2020 3:26:16 PM Pacific Daylight Time

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Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
64	64 PCB-104			NO	1.12	5.124	32.51		1.001		YES			0.303	
65	65 PCB-96	1.30e3	1.44	NO	1.15	5.124	33.83	33.78	1.041	1.040	NO	2.823		0.295	2.823
66	66 PCB-103	3.02e3	1.34	NO	0.936	5.124	34.40	34.35	1.059	1.057	NO	8.061		0.363	8.061
67	67 PCB-100	2.22e3	1.76	NO	0.954	5.124	34.75	34.72	1.069	1.069	NO	5.804		0.357	5.804
68	68 PCB-94	1.11e3	1.52	NO	0.949	5.124	35.19	35.19	0.985	0.985	NO	3.670		0.455	3.670
69	69 PCB-95/98/102	6.15e4	1.60	NO	1.20	5.124	35.67	35.75	0.999	1.001	NO	160.5		0.359	160.5
70	70 PCB-93			NO	0.935	5.124	35.79		1.002		YES			0.462	
71	71 PCB-88/91	1.26e4	1.72	NO	1.06	5.124	36.14	36.16	1.012	1.013	NO	37.10		0.406	37.10
72	72 PCB-121			NO	1.71	5.124	36.23		1.015		YES			0.253	
73	73 PCB-84/92	3.18e4	1.59	NO	1.02	5.124	37.10	37.09	0.990	0.990	NO	97.01		0.410	97.01
74	74 PCB-89	5.71e2	1.60	NO	1.11	5.124	37.27	37.29	0.995	0.996	NO	1.605		0.377	1.605
75	75 PCB-90/101	8.23e4	1.59	NO	1.12	5.124	37.48	37.48	1.000	1.000	NO	227.4		0.371	227.4
76	76 PCB-113			NO	1.51	5.124	37.72		1.007		YES			0.275	
77	77 PCB-99	3.62e4	1.50	NO	1.32	5.124	37.81	37.81	1.009	1.009	NO	85.01		0.316	85.01
78	78 PCB-119	4.80e3	1.78	NO	1.81	5.124	38.30	38.30	0.987	0.987	NO	9.495		0.274	9.495
79	79 PCB-108/112	3.11e3	1.44	NO	1.44	5.124	38.45	38.47	0.991	0.991	NO	7.694		0.342	7.694
80	80 PCB-83			NO	1.83	5.124	38.61		0.995		YES			0.270	
81	81 PCB-97	1.66e4	1.48	NO	1.28	5.124	38.82	38.82	1.000	1.000	NO	46.28		0.385	46.28
82	82 PCB-86			NO	1.12	5.124	38.97		1.004		YES			0.442	
83	83 PCB-87/117/125	2.36e4	1.65	NO	1.56	5.124	39.12	39.12	1.008	1.008	NO	54.04		0.317	54.04
84	84 PCB-111/115	9.84e2	1.73	NO	1.91	5.124	39.27	39.28	1.012	1.012	NO	1.840		0.259	1.840
85	85 PCB-85/116	8.63e3	1.48	NO	1.41	5.124	39.40	39.38	1.015	1.015	NO	21.84		0.350	21.84
86	86 PCB-120	7.41e2	1.63	NO	2.01	5.124	39.66	39.66	1.022	1.022	NO	1.321		0.246	1.321
87	87 PCB-110	9.38e4	1.59	NO	1.74	5.124	39.79	39.79	1.026	1.025	NO	192.3		0.283	192.3
88	88 PCB-82	4.94e3	1.36	NO	0.781	5.124	40.44	40.44	0.976	0.976	NO	16.68		0.474	16.68
89	89 PCB-124	3.55e3	1.71	NO	1.40	5.124	41.15	41.15	0.993	0.993	NO	6.717		0.265	6.717
90	90 PCB-107/109	7.28e3	1.68	NO	1.34	5.124	41.29	41.31	0.996	0.997	NO	14.32		0.276	14.32
91	91 PCB-123	9.10e2	1.71	NO	1.20	5.124	41.46	41.48	1.000	1.001	NO	2.005		0.309	2.005
92	92 PCB-106/118	7.11e4	1.56	NO	1.22	5.124	41.67	41.67	1.001	1.001	NO	146.3		0.290	146.3
93	93 PCB-114	1.57e3	1.50	NO	1.14	5.124	42.33	42.32	1.000	1.000	NO	2.582		0.357	2.582
94	94 PCB-122	8.68e2	1.73	NO	0.944	5.124	42.47	42.47	1.004	1.004	NO	1.731		0.432	1.731
95	95 PCB-105	2.64e4	1.57	NO	1.05	5.124	43.21	43.21	1.000	1.000	NO	47.28		0.387	47.28
96	96 PCB-127			NO	1.06	5.124	43.57		1.000		YES			0.365	



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Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
97	97 PCB-126	1.71e3	1.51	NO	1.17	5.124	45.52	45.53	1.000	1.000	NO	2.856		0.363	2.856
98	98 PCB-155			NO	1.04	5.124	37.00		1.000		YES			0.303	
99	99 PCB-150	2.99e2	1.21	NO	1.08	5.124	38.32	38.30	1.036	1.036	NO	1.458		0.292	1.458
100	1... PCB-152			NO	1.19	5.124	38.80		1.049		YES			0.266	
101	1... PCB-145			NO	1.19	5.124	39.27		1.062		YES			0.266	
102	1... PCB-136	1.16e4	1.34	NO	1.02	5.124	39.60	39.60	1.071	1.071	NO	60.15		0.310	60.15
103	1... PCB-148			NO	0.842	5.124	39.71		1.074		YES			0.376	
104	1... PCB-154	1.91e3	1.00	YES	0.919	5.124	40.22	40.22	1.088	1.088	NO	10.86		0.344	9.909
105	1... PCB-151	1.50e4	1.36	NO	0.787	5.124	40.88	40.87	1.105	1.105	NO	100.7		0.402	100.7
106	1... PCB-135	8.04e3	1.23	NO	0.922	5.124	41.09	41.09	1.111	1.111	NO	46.00		0.343	46.00
107	1... PCB-144	2.94e3	1.33	NO	0.789	5.124	41.20	41.20	1.114	1.114	NO	19.68		0.401	19.68
108	1... PCB-147	1.35e3	1.57	YES	0.834	5.124	41.33	41.33	1.118	1.118	NO	8.532		0.379	7.428
109	1... PCB-139/149	4.98e4	1.33	NO	0.948	5.124	41.62	41.61	1.125	1.125	NO	277.2		0.333	277.2
110	1... PCB-140	4.16e2	1.15	NO	0.794	5.124	41.80	41.80	1.130	1.130	NO	2.766		0.398	2.766
111	1... PCB-134/143	5.69e3	1.41	NO	0.759	5.124	42.28	42.28	0.975	0.975	NO	15.20		0.383	15.20
112	1... PCB-131/133	3.87e3	1.41	NO	0.821	5.124	42.58	42.57	0.982	0.982	NO	9.562		0.354	9.562
113	1... PCB-142			NO	0.754	5.124	42.72		0.985		YES			0.385	
114	1... PCB-146/165	2.79e4	1.18	NO	1.02	5.124	42.97	42.97	0.991	0.991	NO	55.70		0.286	55.70
115	1... PCB-132/161	3.95e4	1.20	NO	1.02	5.124	43.20	43.25	0.996	0.997	NO	78.27		0.284	78.27
116	1... PCB-153	1.60e5	1.23	NO	1.07	5.124	43.38	43.38	1.000	1.000	NO	303.8		0.272	303.8
117	1... PCB-168			NO	1.08	5.124	43.61		1.006		YES			0.270	
118	1... PCB-141	2.83e4	1.19	NO	1.03	5.124	44.14	44.16	1.000	1.001	NO	66.09		0.355	66.09
119	1... PCB-137	4.27e3	1.25	NO	1.11	5.124	44.54	44.56	1.010	1.010	NO	9.220		0.328	9.220
120	1... PCB-130	6.89e3	1.27	NO	0.885	5.124	44.64	44.65	1.012	1.012	NO	18.66		0.411	18.66
121	1... PCB-138/163/164	1.60e5	1.21	NO	1.28	5.124	45.03	45.03	1.001	1.001	NO	288.9		0.261	288.9
122	1... PCB-158/160	1.55e4	1.16	NO	1.24	5.124	45.28	45.26	1.006	1.006	NO	28.95		0.271	28.95
123	1... PCB-129	4.05e3	1.32	NO	0.867	5.124	45.54	45.54	1.012	1.012	NO	10.81		0.387	10.81
124	1... PCB-166	4.24e2	1.41	NO	1.14	5.124	46.01	46.00	0.993	0.993	NO	0.6979		0.246	0.6979
125	1... PCB-159			NO	1.22	5.124	46.34		1.000		YES			0.231	
126	1... PCB-128/162	1.87e4	1.20	NO	0.907	5.124	46.63	46.62	1.007	1.007	NO	38.77		0.310	38.77
127	1... PCB-167	6.84e3	1.27	NO	1.11	5.124	47.04	47.06	1.000	1.001	NO	11.62		0.257	11.62
128	1... PCB-156	1.48e4	1.19	NO	1.13	5.124	48.37	48.39	1.000	1.001	NO	25.33		0.263	25.33
129	1... PCB-157	2.57e3	1.34	NO	1.04	5.124	48.67	48.65	1.001	1.000	NO	4.823		0.279	4.823

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Last Altered: Friday, June 26, 2020 3:26:16 PM Pacific Daylight Time

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Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
130	1... PCB-169	1.65e2	1.18	NO	1.16	5.124	50.93	50.92	1.000	1.000	NO	0.2809		0.254	0.2809
131	1... PCB-188	1.62e2	0.96	NO	1.29	5.124	43.02	43.01	1.001	1.000	NO	0.3275		0.196	0.3275
132	1... PCB-184			NO	1.23	5.124	43.45		1.011		YES			0.205	
133	1... PCB-179	2.20e4	1.01	NO	1.30	5.124	44.28	44.28	1.030	1.030	NO	44.28		0.195	44.28
134	1... PCB-176	6.61e3	0.96	NO	1.31	5.124	44.74	44.75	1.041	1.041	NO	13.21		0.193	13.21
135	1... PCB-186			NO	1.33	5.124	45.37		1.055		YES			0.190	
136	1... PCB-178	7.36e3	1.11	NO	0.943	5.124	45.89	45.88	1.067	1.067	NO	20.42		0.268	20.42
137	1... PCB-175	1.27e3	1.16	NO	0.956	5.124	46.24	46.24	1.076	1.076	NO	3.461		0.264	3.461
138	1... PCB-182/187	4.62e4	1.03	NO	1.07	5.124	46.42	46.42	1.080	1.080	NO	113.2		0.237	113.2
139	1... PCB-183	2.05e4	1.02	NO	1.02	5.124	46.76	46.76	1.088	1.088	NO	52.53		0.247	52.53
140	1... PCB-185	4.33e3	0.97	NO	1.41	5.124	47.42	47.44	0.955	0.955	NO	11.52		0.273	11.52
141	1... PCB-174	3.49e4	1.05	NO	1.35	5.124	47.81	47.80	0.962	0.962	NO	96.45		0.284	96.45
142	1... PCB-181			NO	1.47	5.124	47.90		0.964		YES			0.261	
143	1... PCB-177	1.91e4	1.05	NO	1.28	5.124	48.06	48.08	0.968	0.968	NO	56.00		0.301	56.00
144	1... PCB-171	9.20e3	0.95	NO	1.32	5.124	48.36	48.39	0.974	0.974	NO	26.15		0.292	26.15
145	1... PCB-173	6.40e2	1.05	NO	1.19	5.124	48.80	48.84	0.983	0.983	NO	2.011		0.323	2.011
146	1... PCB-172	5.24e3	0.93	NO	1.38	5.124	49.28	49.29	0.992	0.992	NO	14.25		0.280	14.25
147	1... PCB-192			NO	1.83	5.124	49.47		0.996		YES			0.210	
148	1... PCB-180	7.36e4	1.03	NO	1.41	5.124	49.69	49.71	1.000	1.001	NO	194.9		0.272	194.9
149	1... PCB-193	4.67e3	1.11	NO	1.68	5.124	49.90	49.92	1.005	1.005	NO	10.42		0.229	10.42
150	1... PCB-191	1.68e3	1.08	NO	1.71	5.124	50.17	50.19	1.010	1.010	NO	3.681		0.225	3.681
151	1... PCB-170	2.46e4	0.99	NO	1.40	5.124	51.38	51.38	1.000	1.000	NO	75.87		0.306	75.87
152	1... PCB-190	7.22e3	1.08	NO	1.85	5.124	51.57	51.57	1.004	1.004	NO	16.84		0.232	16.84
153	1... PCB-189	1.17e3	0.99	NO	1.45	5.124	53.09	53.08	1.000	1.000	NO	2.574		0.196	2.574
154	1... PCB-202	2.12e3	0.92	NO	1.17	5.124	48.61	48.59	1.001	1.000	NO	7.348		0.347	7.348
155	1... PCB-201	1.65e3	1.04	YES	1.05	5.124	49.10	49.11	1.011	1.011	NO	6.387		0.385	5.895
156	1... PCB-204			NO	1.14	5.124	49.25		1.014		YES			0.355	
157	1... PCB-197	4.27e2	1.23	YES	1.13	5.124	49.57	49.56	1.020	1.020	NO	1.527		0.388	1.293
158	1... PCB-200	1.55e3	1.08	YES	1.07	5.124	50.50	50.53	1.040	1.040	NO	5.862		0.379	5.332
159	1... PCB-198	3.94e2	0.92	NO	0.794	5.124	52.08	52.06	1.072	1.072	NO	2.007		0.510	2.007
160	1... PCB-199	7.89e3	0.98	NO	0.809	5.124	52.18	52.19	1.074	1.075	NO	39.46		0.501	39.46
161	1... PCB-196/203	8.42e3	1.08	YES	0.838	5.124	52.50	52.50	1.081	1.081	NO	40.88		0.483	37.03
162	1... PCB-195	3.44e3	1.07	YES	1.04	5.124	53.80	53.79	0.984	0.983	NO	11.30		0.318	10.33



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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
163	1... PCB-194	8.18e3	0.88	NO	1.12	5.124	54.72	54.72	1.000	1.000	NO	25.17		0.293	25.17
164	1... PCB-205	4.35e2	1.28	YES	1.29	5.124	54.98	54.98	1.005	1.005	NO	1.158		0.253	0.9586
165	1... PCB-208	1.27e3	1.21	NO	0.933	5.124	53.94	53.94	1.000	1.000	NO	3.222		0.238	3.222
166	1... PCB-207	7.65e2	1.17	NO	0.916	5.124	54.26	54.28	1.006	1.007	NO	1.973		0.242	1.973
167	1... PCB-206	2.54e3	1.45	NO	1.01	5.124	56.24	56.24	1.000	1.000	NO	8.881		0.313	8.881
168	1... PCB-209	2.91e3	1.10	NO	0.986	5.124	57.47	57.48	1.000	1.000	NO	9.965		0.157	9.965
169	1... 13C-PCB-1	1.43e6	3.13	NO	0.893	5.124	15.54	15.53	0.608	0.608	NO	3460	177	3.31	
170	1... 13C-PCB-3	1.50e6	3.18	NO	0.911	5.124	18.19	18.19	0.712	0.712	NO	3573	183	3.24	
171	1... 13C-PCB-4	8.82e5	1.56	NO	0.600	5.124	19.54	19.54	0.765	0.765	NO	3182	163	1.27	
172	1... 13C-PCB-9	1.38e6	1.55	NO	0.970	5.124	21.37	21.39	0.836	0.837	NO	3080	158	0.784	
173	1... 13C-PCB-11	1.52e6	1.55	NO	0.962	5.124	24.82	24.85	0.971	0.973	NO	3429	176	0.791	
174	1... 13C-PCB-19	8.81e5	1.05	NO	0.499	5.124	23.79	23.77	0.931	0.930	NO	3820	196	16.8	
175	1... 13C-PCB-32	1.35e6	1.08	NO	0.744	5.124	26.78	26.75	1.048	1.047	NO	3936	202	11.3	
176	1... 13C-PCB-28	1.50e6	1.00	NO	1.06	5.124	28.77	28.77	1.004	1.004	NO	1934	99.1	5.93	
177	1... 13C-PCB-37	1.45e6	1.00	NO	0.989	5.124	32.75	32.81	1.143	1.145	NO	2018	103	6.38	
178	1... 13C-PCB-54	1.20e6	0.79	NO	0.999	5.124	27.62	27.62	0.753	0.753	NO	1820	93.3	1.55	
179	1... 13C-PCB-52	1.02e6	0.77	NO	0.804	5.124	31.26	31.26	0.852	0.852	NO	1921	98.4	1.93	
180	1... 13C-PCB-47	1.11e6	0.78	NO	0.857	5.124	31.78	31.80	0.866	0.867	NO	1974	101	1.81	
181	1... 13C-PCB-70	1.27e6	0.78	NO	0.996	5.124	35.41	35.41	0.965	0.966	NO	1944	99.6	1.56	
182	1... 13C-PCB-80	1.35e6	0.79	NO	1.03	5.124	35.84	35.84	0.977	0.977	NO	1989	102	1.51	
183	1... 13C-PCB-81	1.31e6	0.78	NO	0.988	5.124	39.04	39.04	1.064	1.064	NO	2018	103	1.57	
184	1... 13C-PCB-77	1.27e6	0.81	NO	0.969	5.124	39.66	39.66	1.081	1.081	NO	1991	102	1.60	
185	1... 13C-PCB-104	7.82e5	1.64	NO	1.02	5.124	32.46	32.49	0.827	0.828	NO	1953	100	0.748	
186	1... 13C-PCB-95	6.21e5	1.62	NO	0.805	5.124	35.71	35.71	0.910	0.910	NO	1959	100	0.944	
187	1... 13C-PCB-101	6.29e5	1.66	NO	0.793	5.124	37.46	37.46	0.954	0.954	NO	2015	103	0.959	
188	1... 13C-PCB-97	5.46e5	1.62	NO	0.696	5.124	38.80	38.80	0.989	0.989	NO	1993	102	1.09	
189	1... 13C-PCB-123	7.39e5	1.59	NO	0.933	5.124	41.44	41.44	1.056	1.056	NO	2013	103	0.815	
190	1... 13C-PCB-118	7.78e5	1.64	NO	0.986	5.124	41.63	41.63	1.061	1.061	NO	2005	103	0.771	
191	1... 13C-PCB-114	1.04e6	1.55	NO	1.55	5.124	42.30	42.30	0.908	0.908	NO	1843	94.4	0.840	
192	1... 13C-PCB-105	1.04e6	1.54	NO	1.57	5.124	43.19	43.19	0.927	0.927	NO	1811	92.8	0.826	
193	1... 13C-PCB-127	1.09e6	1.57	NO	1.62	5.124	43.55	43.56	0.934	0.935	NO	1851	94.8	0.800	
194	1... 13C-PCB-126	1.00e6	1.56	NO	1.57	5.124	45.51	45.51	0.976	0.976	NO	1753	89.8	0.829	
195	1... 13C-PCB-155	3.70e5	1.26	NO	0.615	5.124	36.98	36.98	0.942	0.942	NO	1528	78.3	0.316	

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Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
196	1... 13C-PCB-153	9.62e5	1.29	NO	1.36	5.124	43.36	43.37	0.930	0.930	NO	1939	99.3	1.25	
197	1... 13C-PCB-141	8.14e5	1.28	NO	1.13	5.124	44.13	44.12	0.947	0.947	NO	1983	102	1.51	
198	1... 13C-PCB-138	8.44e5	1.27	NO	1.18	5.124	44.99	44.99	0.965	0.965	NO	1960	100	1.44	
199	1... 13C-PCB-159	1.04e6	1.27	NO	1.44	5.124	46.32	46.32	0.994	0.994	NO	1983	102	1.19	
200	2... 13C-PCB-167	1.04e6	1.25	NO	1.44	5.124	47.02	47.02	1.009	1.009	NO	1977	101	1.19	
201	2... 13C-PCB-156	1.02e6	1.30	NO	1.40	5.124	48.34	48.35	1.037	1.037	NO	1999	102	1.22	
202	2... 13C-PCB-157	1.00e6	1.26	NO	1.40	5.124	48.63	48.63	1.043	1.043	NO	1973	101	1.22	
203	2... 13C-PCB-169	9.89e5	1.28	NO	1.33	5.124	50.91	50.91	1.092	1.092	NO	2043	105	1.28	
204	2... 13C-PCB-188	7.46e5	0.46	NO	1.41	5.124	42.98	42.99	0.926	0.926	NO	2038	104	0.936	
205	2... 13C-PCB-180	5.22e5	0.45	NO	0.929	5.124	49.67	49.67	1.070	1.070	NO	2162	111	1.42	
206	2... 13C-PCB-170	4.52e5	0.46	NO	0.794	5.124	51.35	51.36	1.106	1.107	NO	2190	112	1.66	
207	2... 13C-PCB-189	6.13e5	0.45	NO	1.04	5.124	53.09	53.06	1.144	1.143	NO	2257	116	1.26	
208	2... 13C-PCB-202	4.82e5	0.94	NO	1.04	5.124	48.57	48.58	1.046	1.047	NO	1791	91.8	0.863	
209	2... 13C-PCB-194	5.69e5	0.86	NO	0.768	5.124	54.71	54.70	0.995	0.995	NO	1965	101	2.08	
210	2... 13C-PCB-208	8.26e5	0.77	NO	0.991	5.124	53.93	53.93	0.981	0.981	NO	2213	113	1.72	
211	2... 13C-PCB-206	5.55e5	0.79	NO	0.552	5.124	56.22	56.22	1.023	1.023	NO	2667	137	3.09	
212	2... 13C-PCB-209	5.77e5	1.23	NO	0.396	5.124	57.48	57.47	1.046	1.046	NO	3864	198	0.488	
213	2... 13C-PCB-15	9.02e5	1.53	NO	1.00	5.124	25.51	25.56	1.000	0.000	NO	1952	100	0.761	
214	2... 13C-PCB-31	1.42e6	1.00	NO	1.00	5.124	28.64	28.66	1.000	0.000	NO	1952	100	6.31	
215	2... 13C-PCB-60	1.28e6	0.80	NO	1.00	5.124	36.66	36.68	1.000	0.000	NO	1952	100	1.55	
216	2... 13C-PCB-111	7.68e5	1.67	NO	1.00	5.124	39.23	39.25	1.000	0.000	NO	1952	100	0.760	
217	2... 13C-PCB-128	7.10e5	1.26	NO	1.00	5.124	46.59	46.60	1.000	0.000	NO	1952	100	1.71	
218	2... 13C-PCB-182	5.07e5	0.47	NO	1.00	5.124	46.40	46.42	0.000	0.000	NO	1952	100	1.32	
219	2... 13C-PCB-205	7.35e5	0.88	NO	1.00	5.124	54.97	54.97	1.000	0.000	NO	1952	100	1.60	
220	2... 13C-PCB-79	1.41e6	0.78	NO	1.07	5.124	37.78	37.78	1.030	1.030	NO	2007	103	1.45	
221	2... 13C-PCB-178	5.23e5	0.45	NO	0.766	5.124	45.86	45.87	0.988	0.988	NO	1876	96.1	1.18	
222	2... 13C-PCB-79	1.41e6	0.78	NO	1.08	5.124	37.78	37.78	0.968	0.968	NO	1941	99.5	1.40	
223	2... 13C-PCB-178	5.23e5	0.45	NO	1.05	5.124	45.85	45.87	0.923	0.923	NO	1861	95.4	1.22	
224	2... Total Mono-PCBs				1.17	5.124	0.00		0.000		NO	8.224		0.810	8.224
225	2... Total Di-PCBs				1.05	5.124	0.00		0.000		NO	36.09		9.15	44.03
226	2... 2nd Function Tri-PCBs				1.08	5.124	0.00		0.000		NO	91.19		2.72	91.19
227	2... 3rd Function Tri-PCBs				0.983	5.124	0.00		0.000		NO	185.1		10.3	185.1
228	2... Total Tetra-PCBs				1.08	5.124	0.00		0.000		NO	884.6		9.96	884.6

>276.29

>276.29

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Printed: Friday, June 26, 2020 3:33:02 PM Pacific Daylight Time

Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

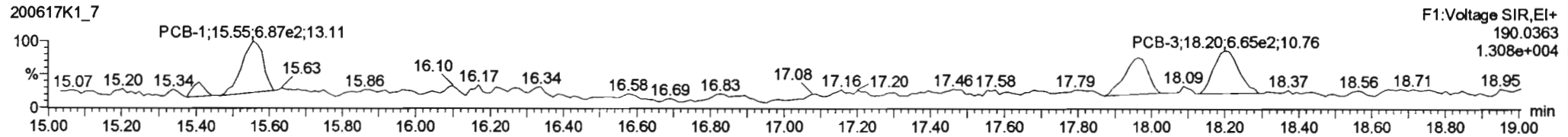
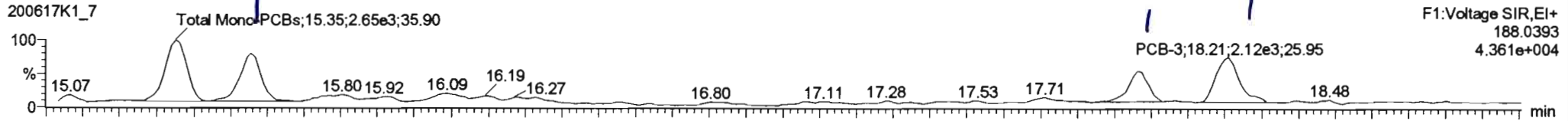
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229	2... 3rd Function Penta-PCBs				1.32	5.124	0.00		0.000		NO	1150	>1204.45	9.78	1150 >1204.45
230	2... 4th Function Penta-PCBs				1.07	5.124	0.00		0.000		NO	54.45		1.90	54.45 >1204.45
231	2... 3rd Function Hexa-PCBs				0.951	5.124	0.00		0.000		NO	508.6	>1474.7	4.41	525.3 >1492
232	2... 4th Function Hexa-PCBs				1.03	5.124	0.00		0.000		NO	966.7		6.09	966.7 >1492
233	2... Total Hepta-PCBs				1.36	5.124	0.00		0.000		NO	758.1		5.68	758.1
234	2... 4th Function Octa-PCBs				1.00	5.124	0.00		0.000		NO	48.81	>73.98	3.32	98.36 >139.82
235	2... 5th Function Octa-PCBs				1.15	5.124	0.00		0.000		NO	25.17		0.858	36.46
236	2... Total Nona-PCBs				0.952	5.124	0.00		0.000		NO	14.08		0.792	14.08
237	2... Deca-CB				0.986	5.124	0.00		0.000		NO	9.965		0.157	9.965
238	2... Total PCBs														

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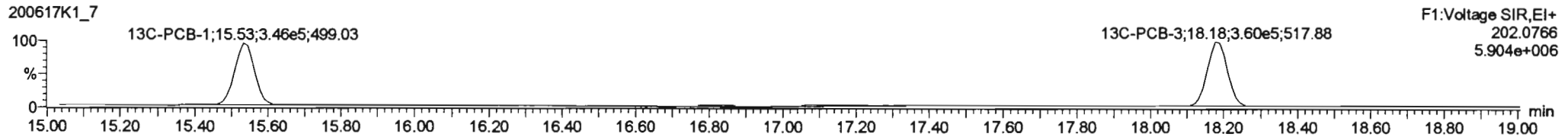
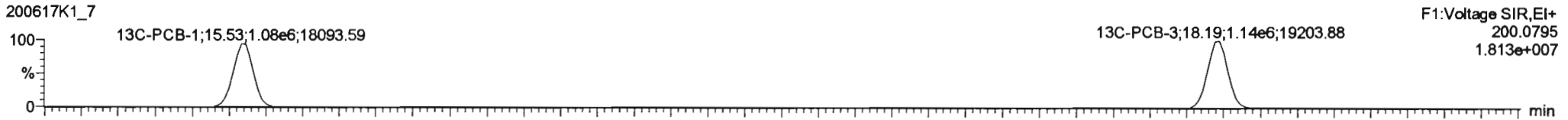
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Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

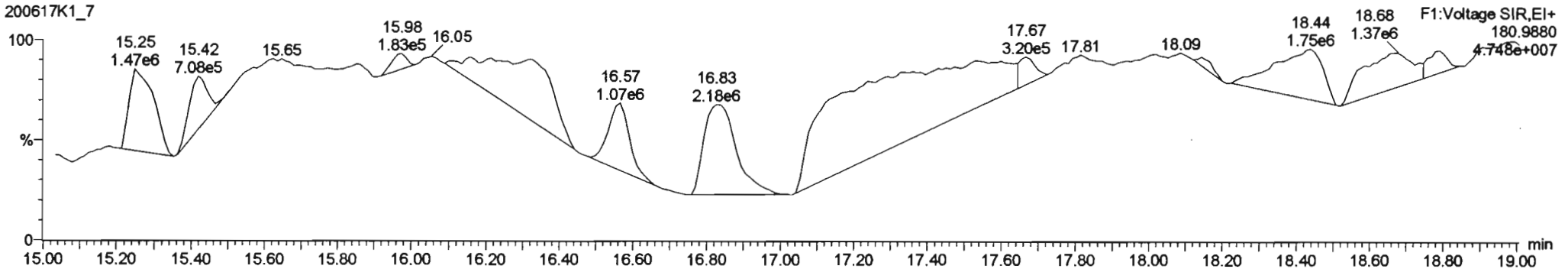
**PCB-1**



**13C-PCB-1**



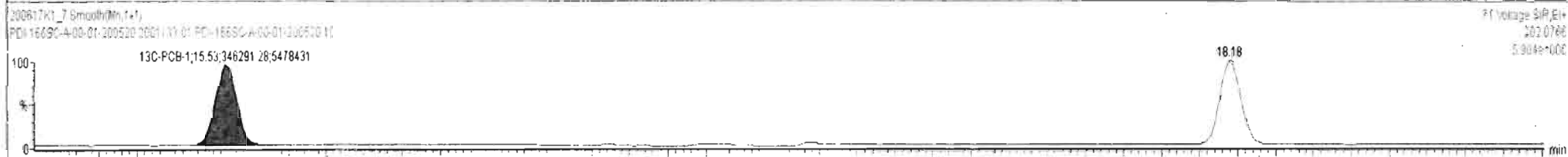
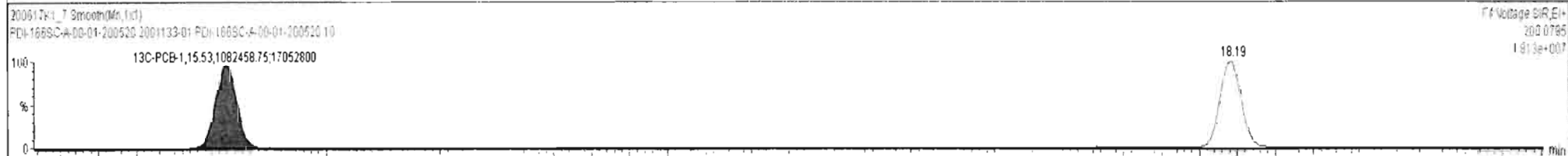
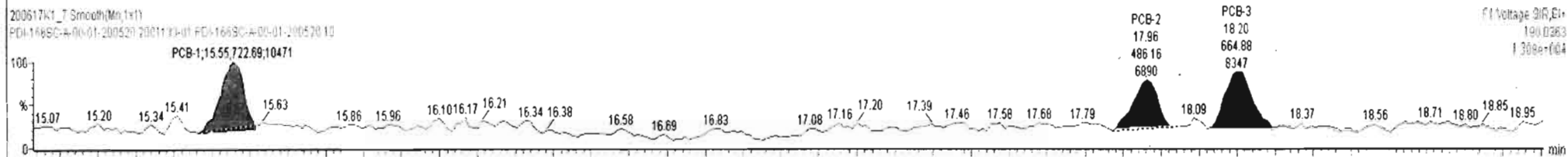
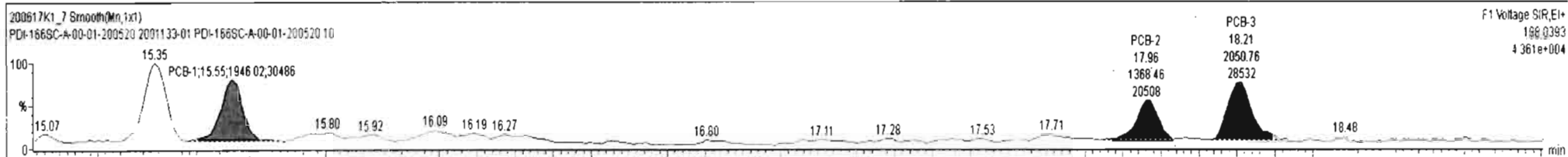
**PFK1**



200617K1\_7 - 2001133-01 PDI-166SC-A-00-01-200520 10 - PDI-166SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.124	0.00		0.000		NO	8.224		0.810	8.224
225	225 Total Di-PCBs				1.0537	5.124	0.00		0.000		NO	19.66		9.15	38.95
226	226 2nd Function Tri-PCBs				1.0807	5.124	0.00		0.000		NO	90.96		2.72	99.99

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1 PCB-1	15.54	15.55	1.946e3	7.227e2	3.130	2.69	NO	3.1202	3.1202
2	2 PCB-2	17.97	17.96	1.369e3	4.862e2	3.130	2.81	NO	2.0348	2.0348
3	3 PCB-3	18.20	18.21	2.051e3	6.649e2	3.130	3.08	NO	3.0689	3.0689





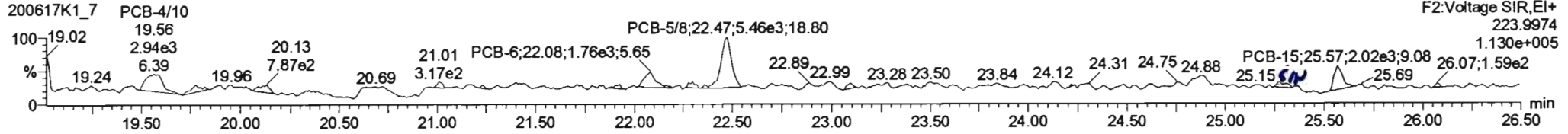
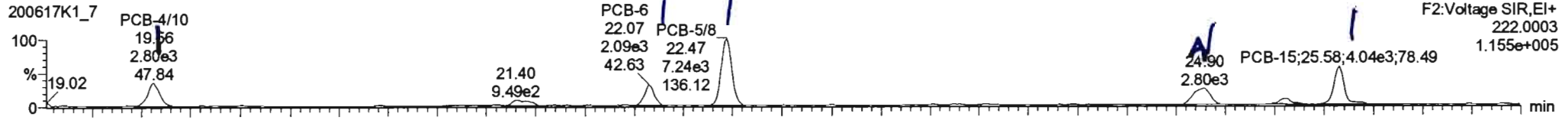
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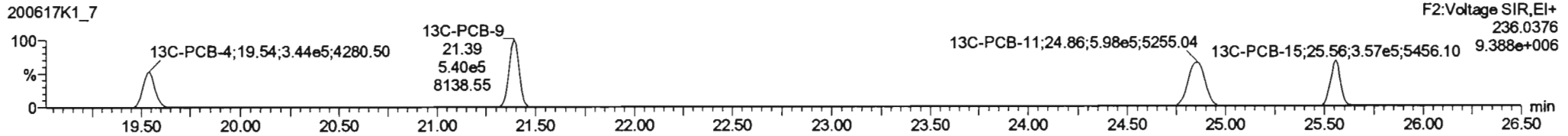
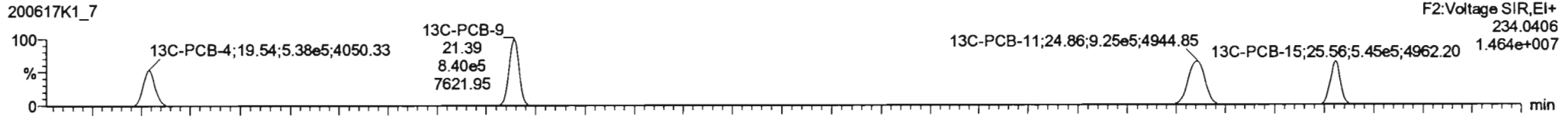
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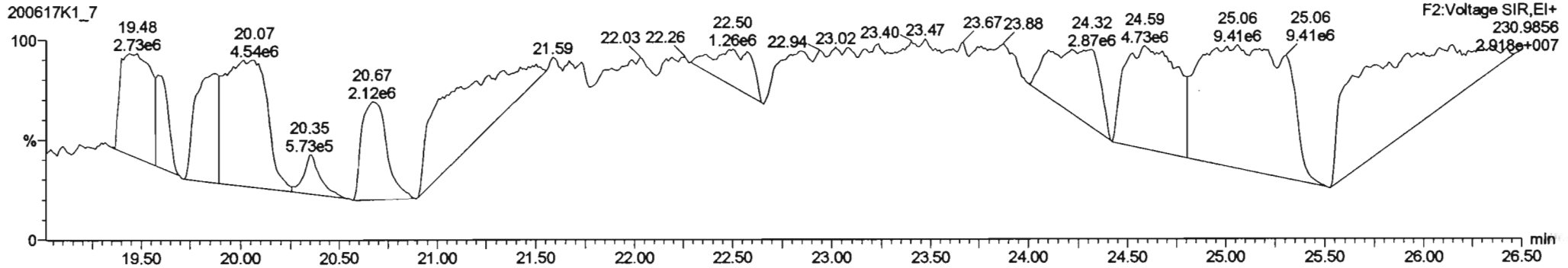
**PCB-4/10**



**13C-PCB-4**

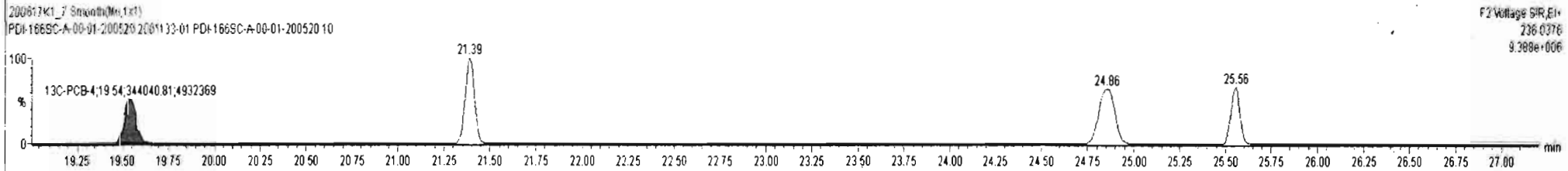
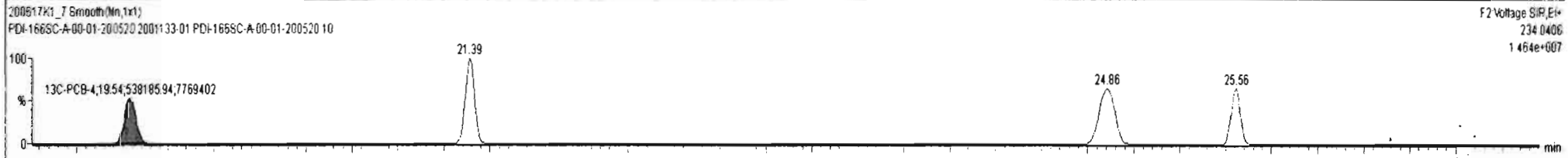
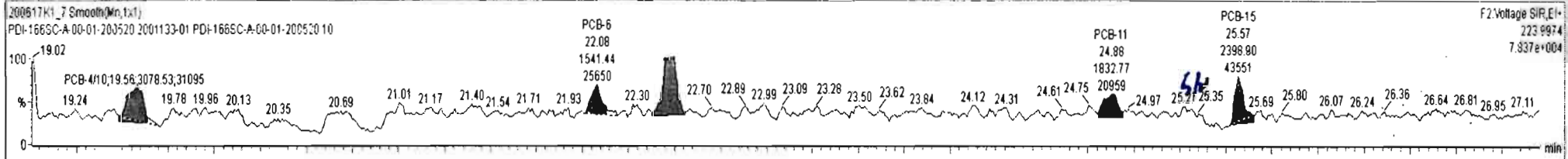
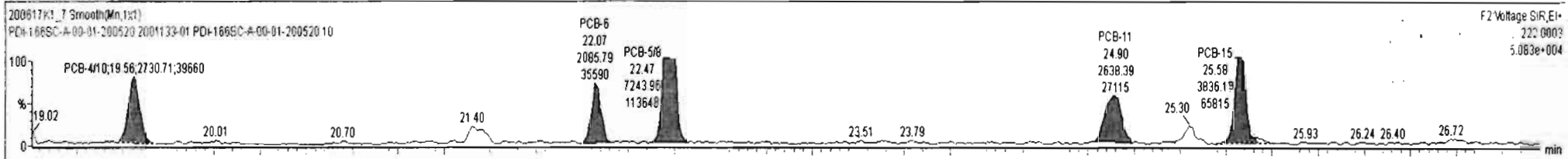


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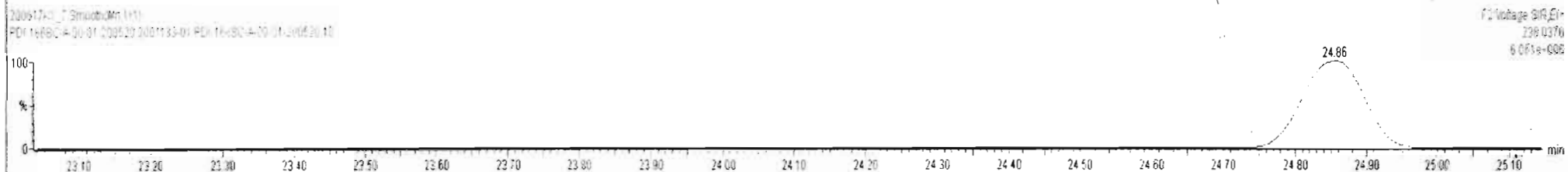
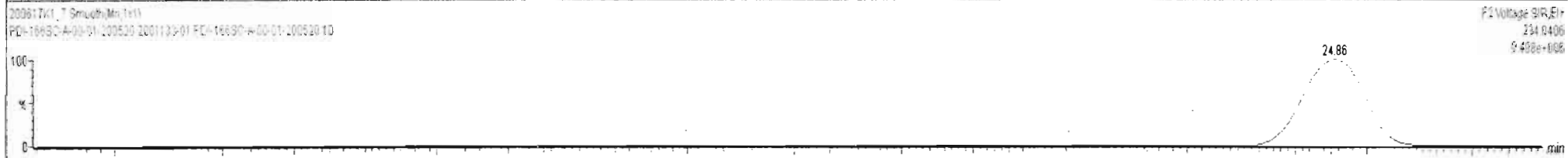
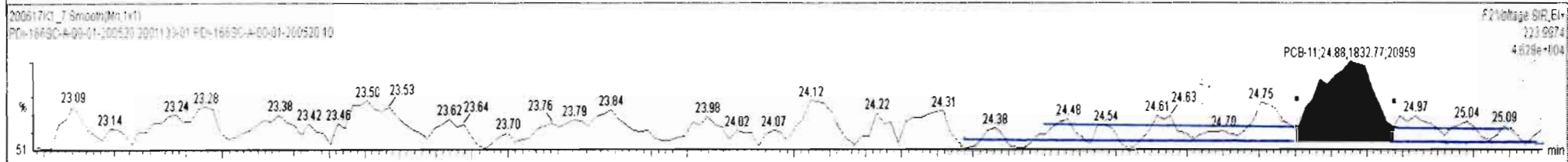
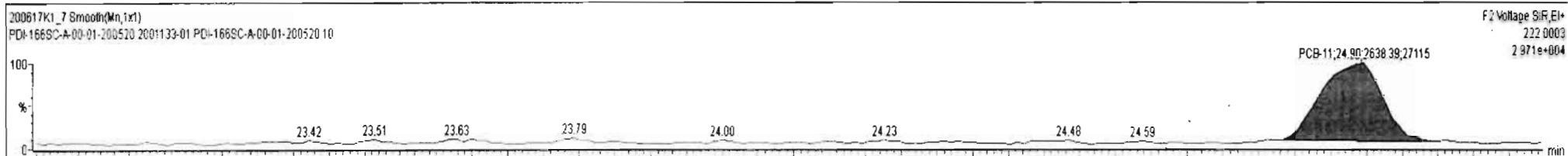
#	Name	Resp	RA	nly	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.124	0.00		0.000		NO	8.224		0.810	8.224
225	225 Total Di-PCBs				1.0537	5.124	0.00		0.000		NO	35.91		9.15	43.85
226	226 2nd Function Tri-PCBs				1.0807	5.124	0.00		0.000		NO	90.98		2.72	90.98

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	4 PCB-4/10	19.62	19.56	2.731e3	3.079e3	1.560	0.89	YES	7.9425	0.00000
2	6 PCB-6	22.10	22.07	2.086e3	1.541e3	1.560	1.35	NO	5.0111	5.0111
3	7 PCB-5/6	22.51	22.47	7.244e3	5.456e3	1.560	1.33	NO	18.094	18.094
4	9 PCB-11	24.87	24.90	2.638e3	1.830e3	1.560	1.44	NO	5.0843	5.0843
5	11 PCB-15	25.62	25.58	3.836e3	2.399e3	1.560	1.60	NO	7.7175	7.7175



#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1685	5.124	0.00		0.000		NO	8.224		0.810	8.224
225	225 Total Di-PCBs				1.0537	5.124	0.00		0.000		NO	35.91		9.15	43.85
226	226 2nd Function Tri-PCBs				1.0807	5.124	0.00		0.000		NO	90.98		2.72	90.98

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	4 PCB-4/10	19.62	19.56	2.731e3	3.079e3	1.560	0.89	YES	7.9425	0.00000
2	6 PCB-6	22.10	22.07	2.086e3	1.541e3	1.560	1.35	NO	5.0111	5.0111
3	7 PCB-5/8	22.51	22.47	7.244e3	5.456e3	1.560	1.33	NO	18.094	18.094
4	9 PCB-11	24.87	24.90	2.638e3	1.833e3	1.560	1.44	NO	5.0843	5.0843
5	11 PCB-15	25.62	25.58	3.836e3	2.399e3	1.560	1.60	NO	7.7175	7.7175





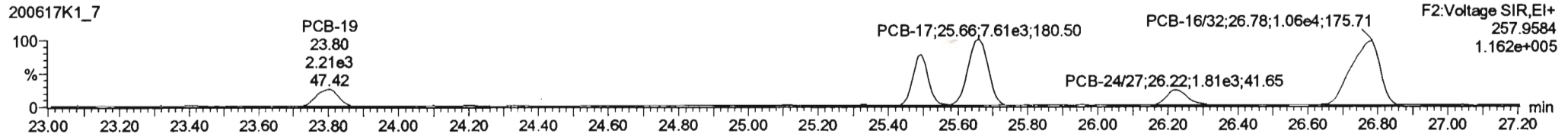
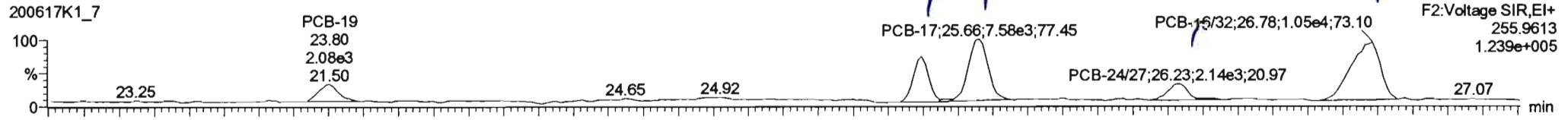
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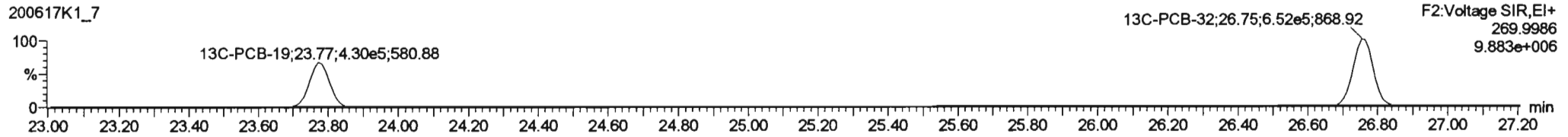
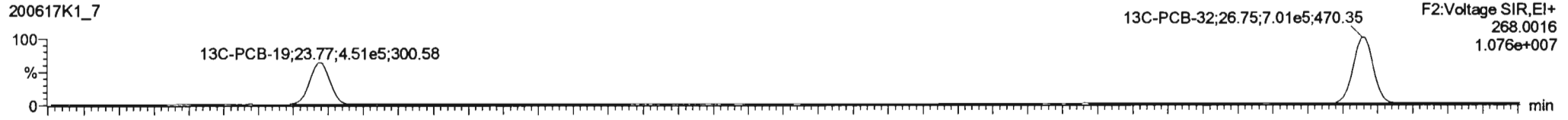
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Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

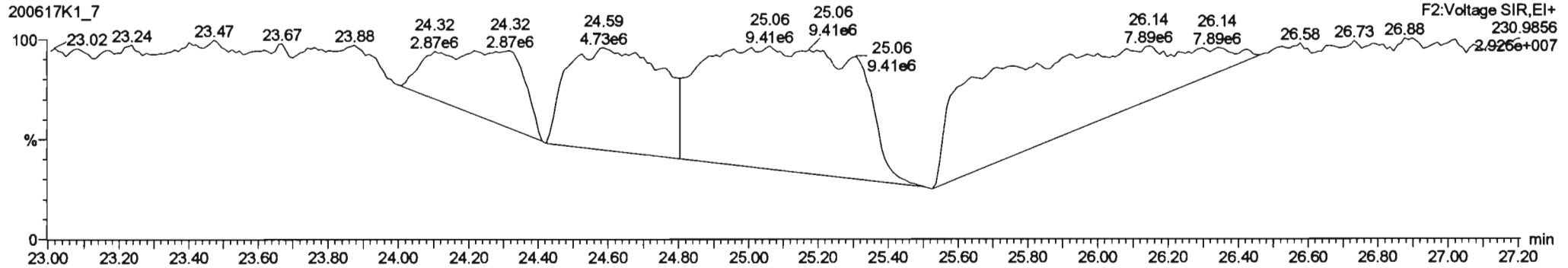
**PCB-19**



**13C-PCB-19**

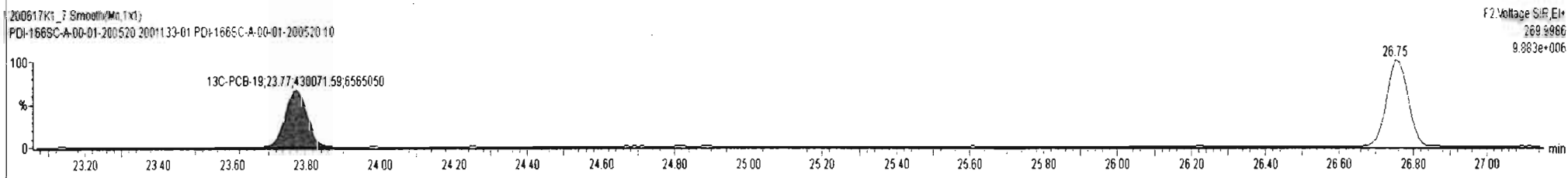
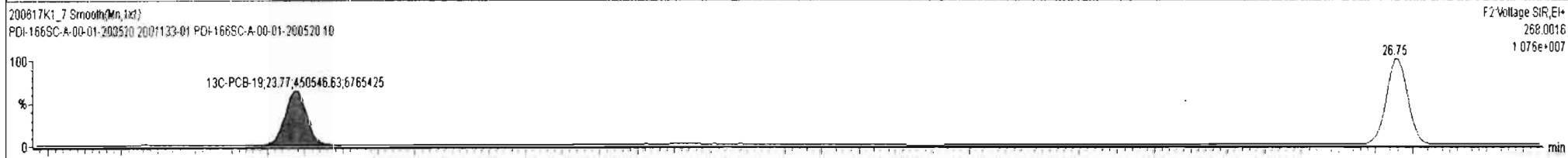
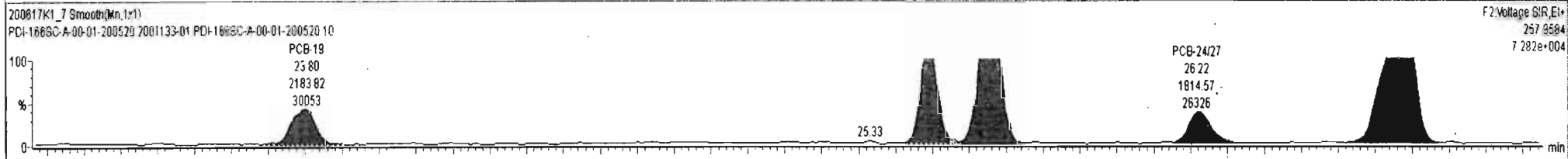
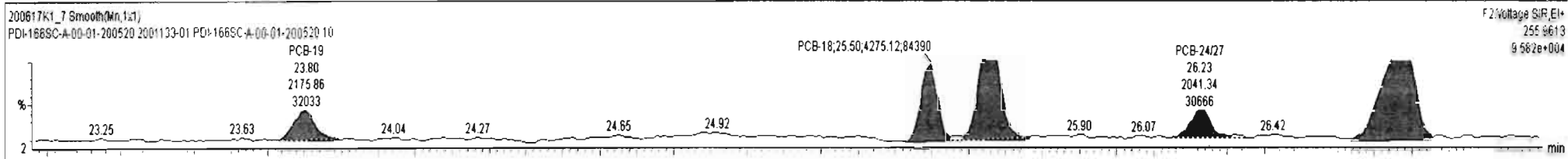


**PFK2b**



#	Name	Resp	RA	nly	RRF	wtVcl	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.124	0.00		0.000		NO	8.224		0.810	8.224
225	225 Total Di-PCBs				1.0537	5.124	0.00		0.000		NO	35.91		9.15	43.85
226	226 2nd Function Tri-PCBs				1.0807	5.124	0.00		0.000		NO	91.19		2.72	91.19

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	12 PCB-19	23.80	23.80	2.176e3	2.184e3	1.040	1.00	NO	8.7337	8.7337
2	14 PCB-18	25.46	25.50	4.275e3	4.415e3	1.040	0.97	NO	15.324	15.324
3	15 PCB-17	25.63	25.66	7.745e3	7.612e3	1.040	1.02	NO	29.198	29.198
4	16 PCB-24/27	26.25	26.23	2.041e3	1.815e3	1.040	1.12	NO	5.1384	5.1384
5	17 PCB-16/32	26.77	26.78	1.048e4	1.057e4	1.040	0.99	NO	32.798	32.798



Dataset: Untitled

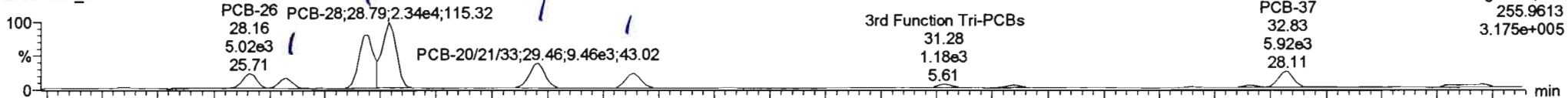
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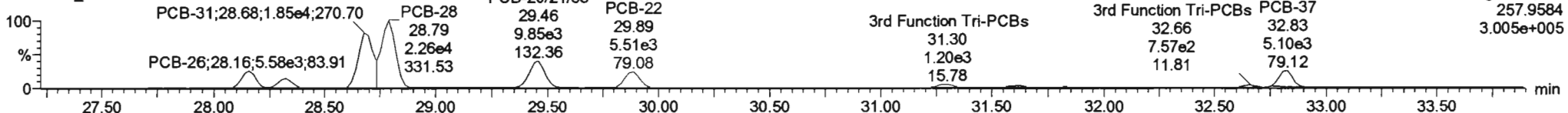
Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

**PCB-34**

200617K1\_7

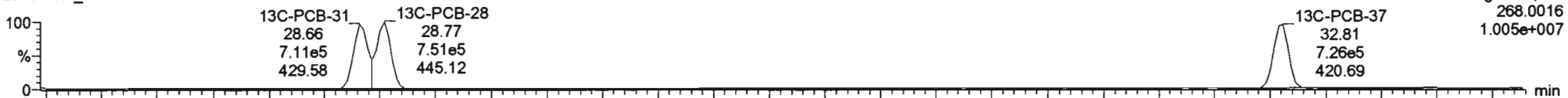


200617K1\_7

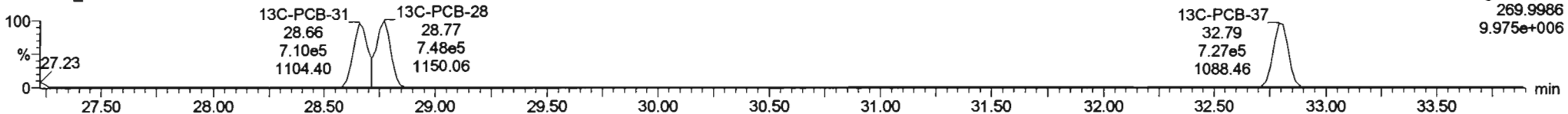


**13C-PCB-28**

200617K1\_7

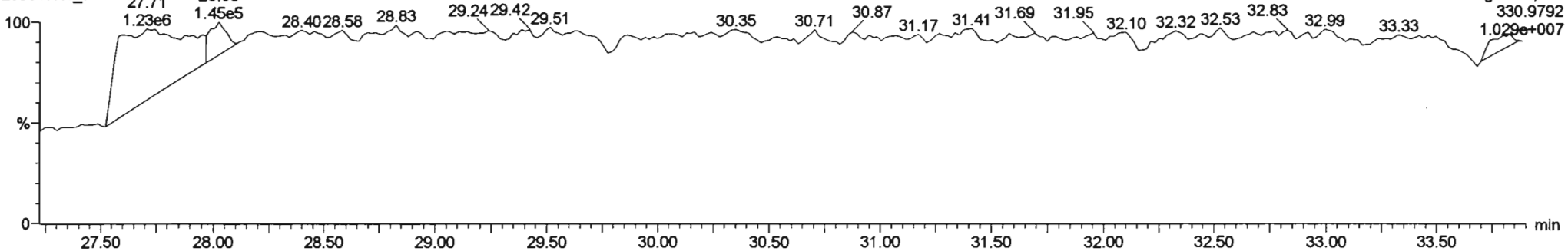


200617K1\_7



**PFK3d**

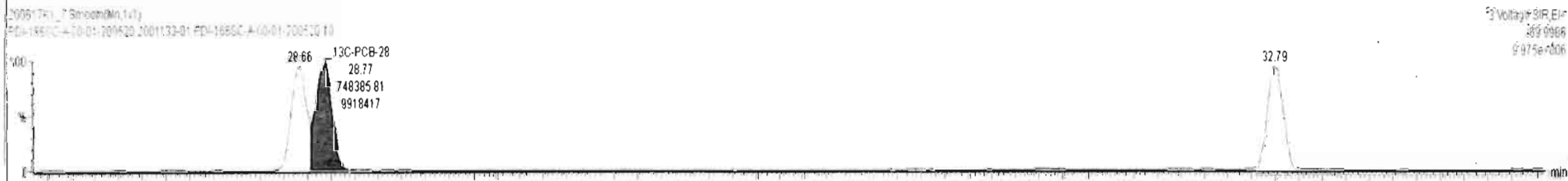
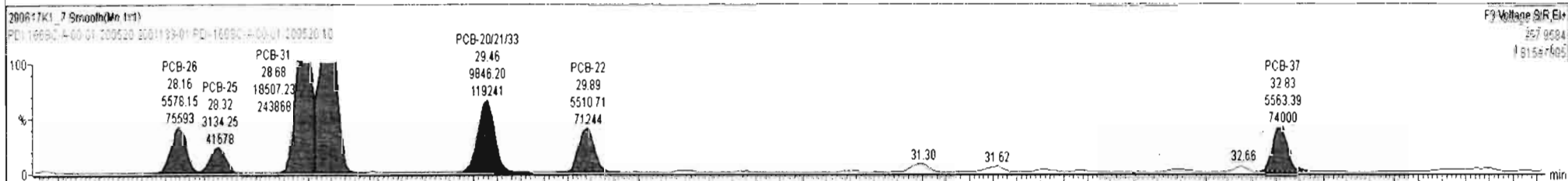
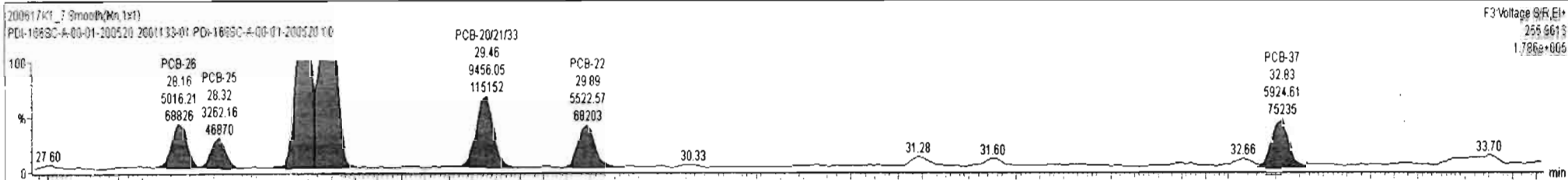
200617K1\_7



200617K1\_7 - 2001133-01 FDI-166SC-A-00-01-200520 10 - FDI-166SC-A-00-01-200520

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.124	0.00		0.000		NO	8.224		0.810	8.224
225	225 Total Di-PCBs				1.0537	5.124	0.00		0.000		NO	35.91		9.15	43.85
226	226 2nd Function Tri-PCBs				1.0607	5.124	0.00		0.000		NO	91.19		2.72	91.19

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	21 PCB-26	28.16	28.16	5.016e3	5.570e3	1.040	0.90	NO	14.613	14.613
2	22 PCB-25	28.31	28.32	3.262e3	3.134e3	1.040	1.04	NO	8.7676	8.7676
3	23 PCB-31	28.68	28.70	1.856e4	1.851e4	1.040	1.00	NO	46.575	46.575
4	24 PCB-28	28.79	28.79	2.336e4	2.265e4	1.040	1.03	NO	58.436	58.436
5	25 PCB-20/21/33	29.43	29.46	9.456e3	9.846e3	1.040	0.96	NO	26.699	26.699
6	26 PCB-22	29.87	29.89	5.523e3	5.511e3	1.040	1.00	NO	14.766	14.766
7	31 PCB-37	32.83	32.83	5.925e3	5.563e3	1.040	1.06	NO	15.290	15.290



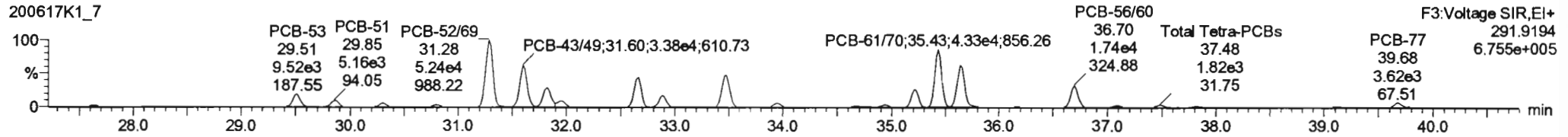
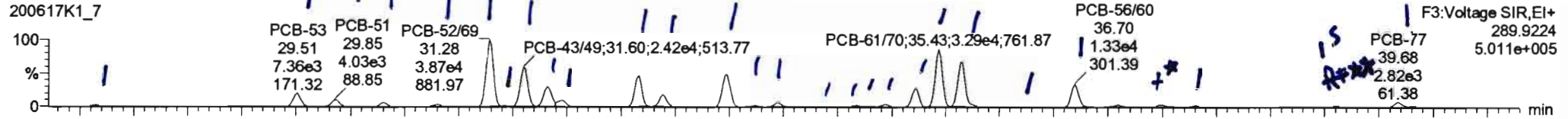


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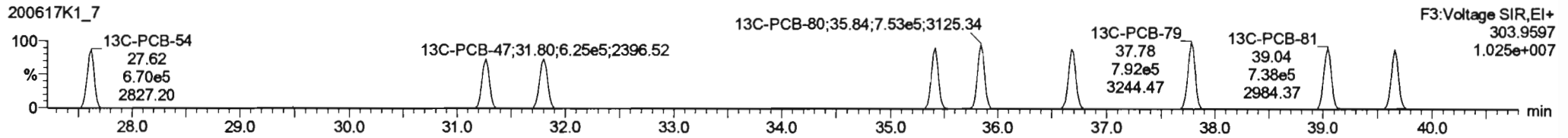
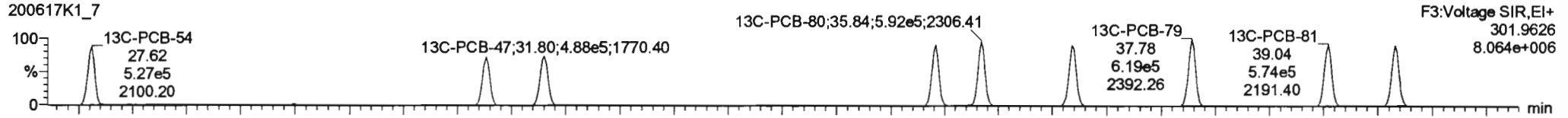
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Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

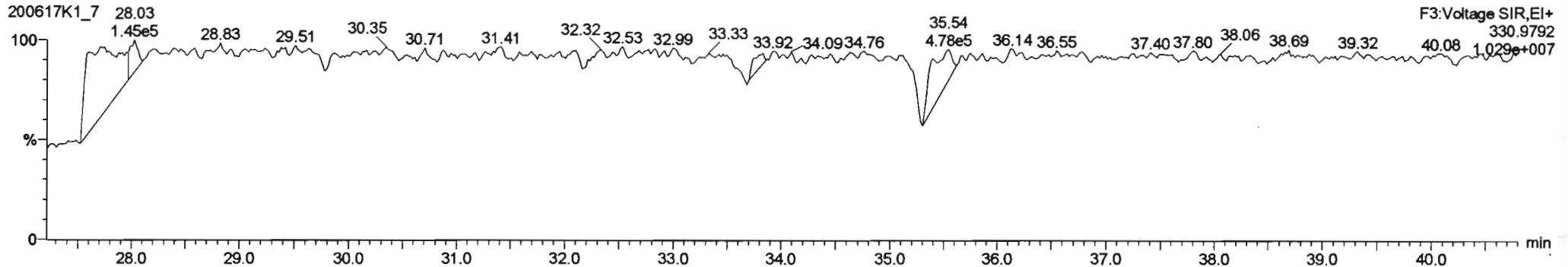
PCB-54



13C-PCB-54



PFK3a



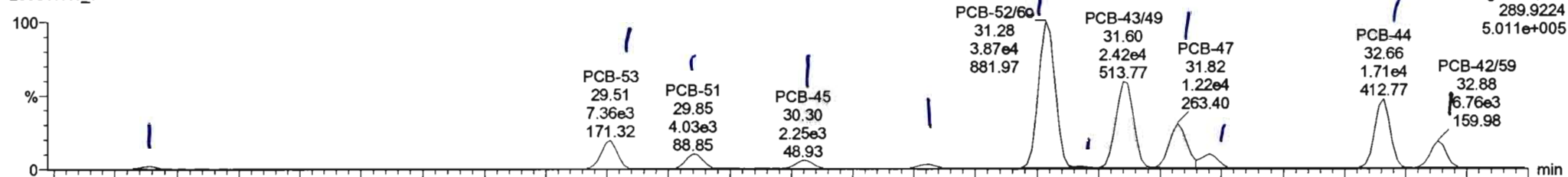
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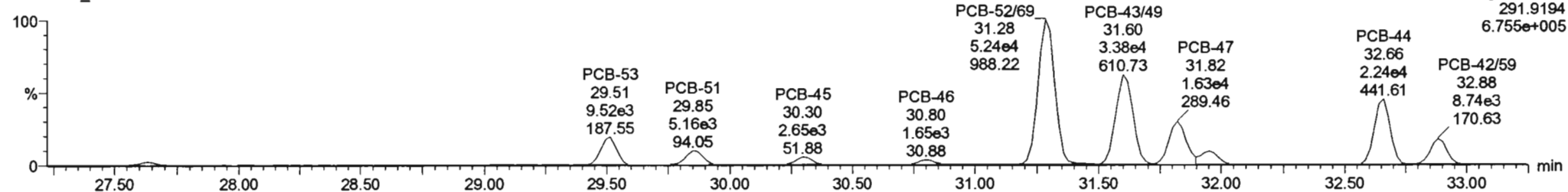
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PCB-50

200617K1\_7



200617K1\_7

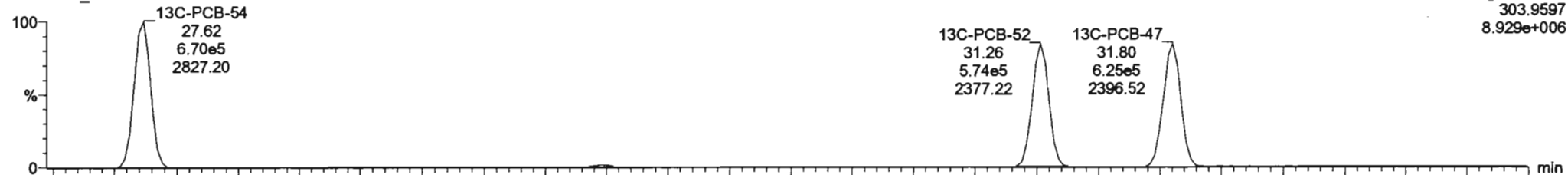


13C-PCB-52

200617K1\_7



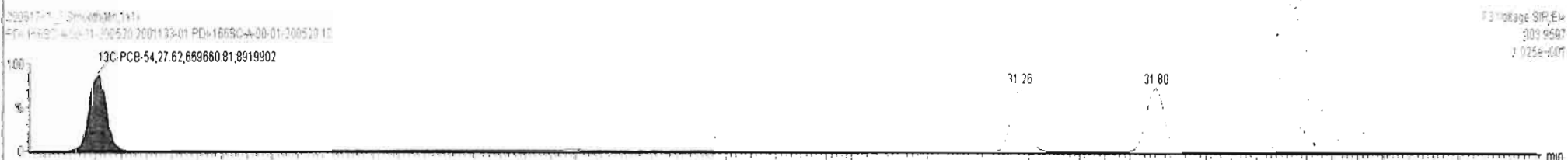
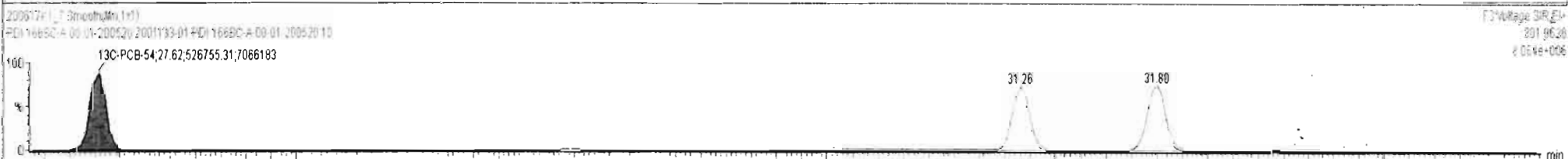
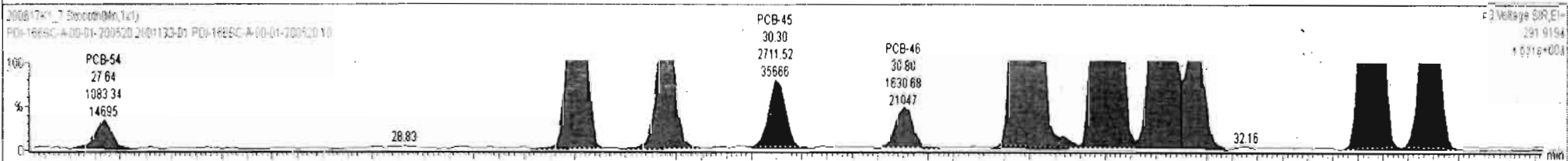
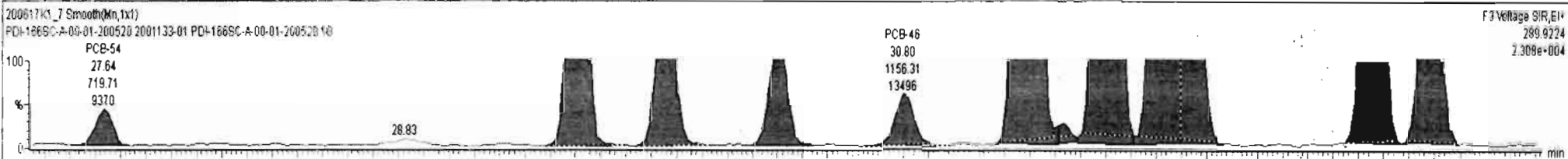
200617K1\_7



200617K1\_7 - 2001133-01 PDI-166SC-A-00-01-200520 10 - PDI-166SC-A-00-01-200520

#	Name	Resp	RA	nly	RRF	wtVol	PredRT	RT	Pred R.	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.124	0.00		0.000		NO	881.6		9.96	885.2
229	229 3rd Function Penta-PCBs				1.3157	5.124	0.00		0.000		NO	1114		9.78	1135
230	230 4th Function Penta-PCBs				1.0735	5.124	0.00		0.000		NO	49.99		1.90	52.81

#	Name	PredRT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	32 PCB-54	27.64	27.64	7.197e2	1.083e3	0.770	0.66	NO	2.7237	2.7237
2	34 PCB-53	29.51	29.51	7.354e3	9.506e3	0.770	0.77	NO	32.483	32.483
3	35 PCB-51	29.85	29.85	4.001e3	5.137e3	0.770	0.78	NO	16.476	16.476
4	36 PCB-45	30.30	30.30	2.247e3	2.712e3	0.770	0.83	NO	11.094	11.094
5	37 PCB-46	30.80	30.80	1.158e3	1.631e3	0.770	0.71	NO	6.4429	6.4429
6	38 PCB-5269	31.30	31.28	3.894e4	5.258e4	0.770	0.74	NO	150.67	150.67
7	39 PCB-73	31.41	31.43	2.548e2	3.075e2	0.770	0.83	NO	0.74826	0.74826
8	40 PCB-4349	31.59	31.60	2.472e4	3.385e4	0.770	0.73	NO	110.68	110.68
9	41 PCB-47	31.82	31.82	1.254e4	1.630e4	0.770	0.77	NO	54.830	54.830
10	42 PCB-4875	31.93	31.95	3.907e3	5.048e3	0.770	0.77	NO	14.013	14.013
11	45 PCB-44	32.66	32.66	1.721e4	2.257e4	0.770	0.76	NO	84.613	84.613
12	46 PCB-4269	32.89	32.88	6.833e3	8.893e3	0.770	0.77	NO	26.204	26.204



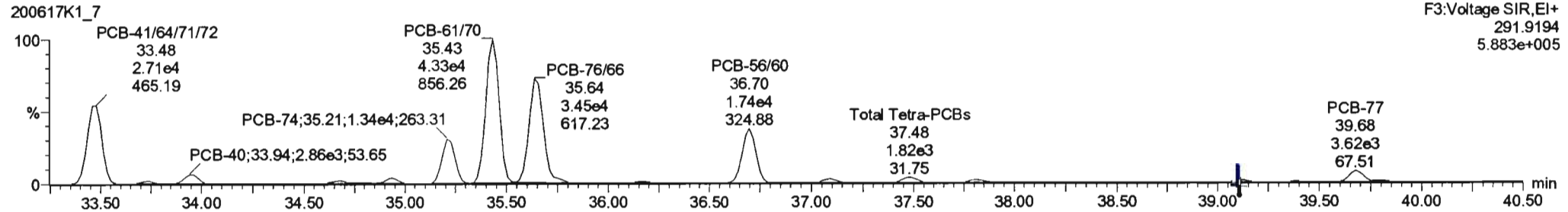
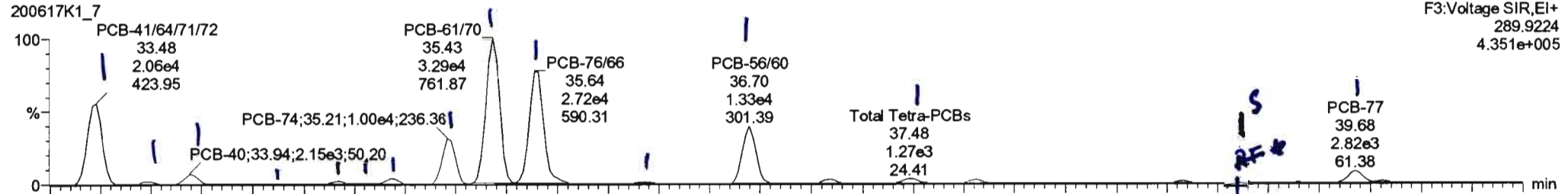
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

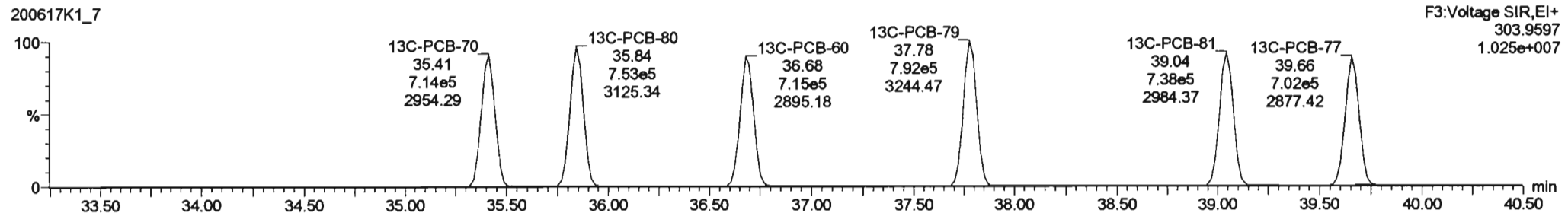
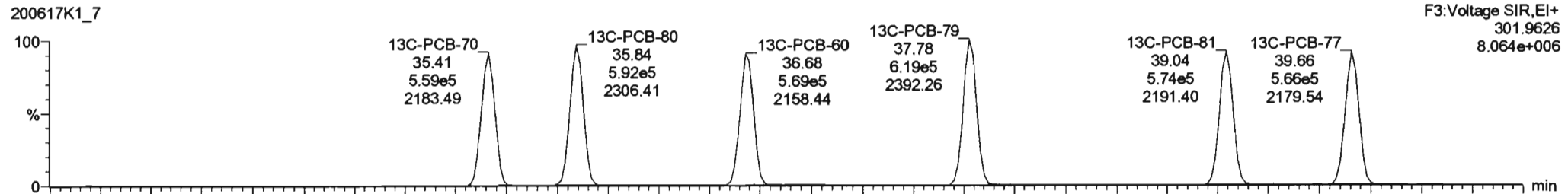
*July 06-20-2020*

Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

**PCB-68**



**13C-PCB-60**

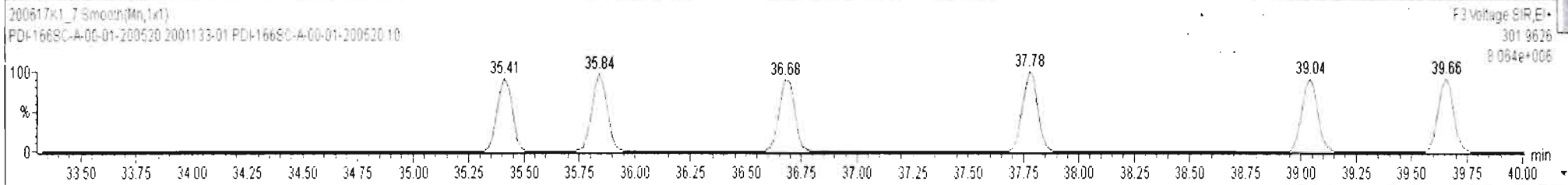
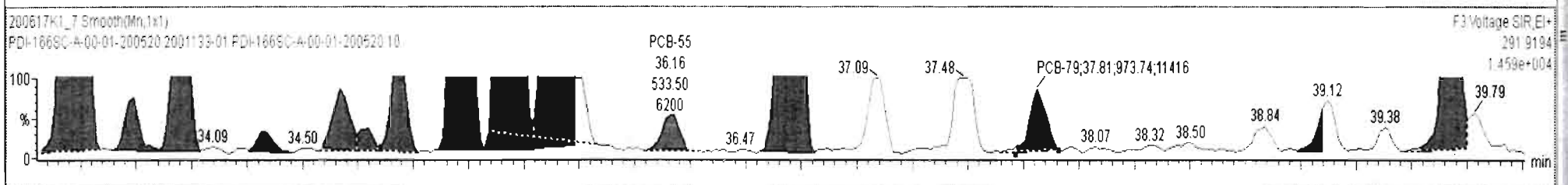
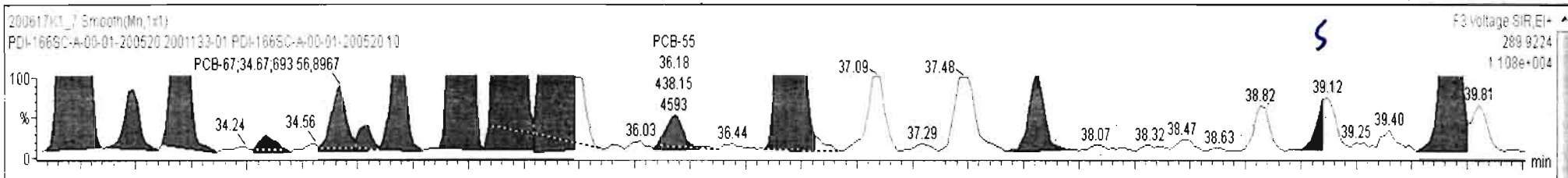




200617K1\_7 - 2001133-01 PDI-166SC-A-00-01-200520 10 - PDI-166SC-A-00-01-200520

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.124	0.00		0.000		NO	884.6		9.96	884.6

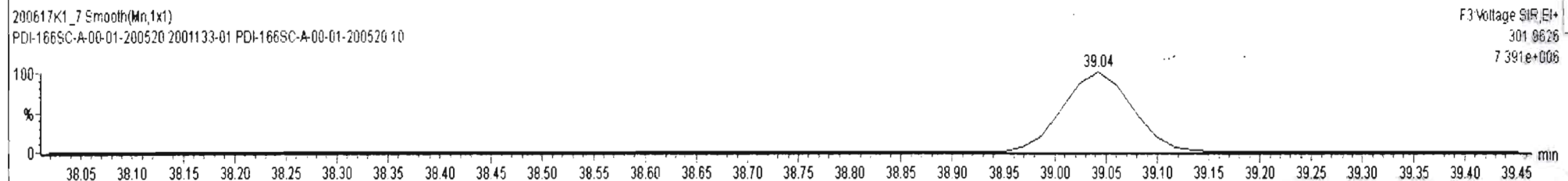
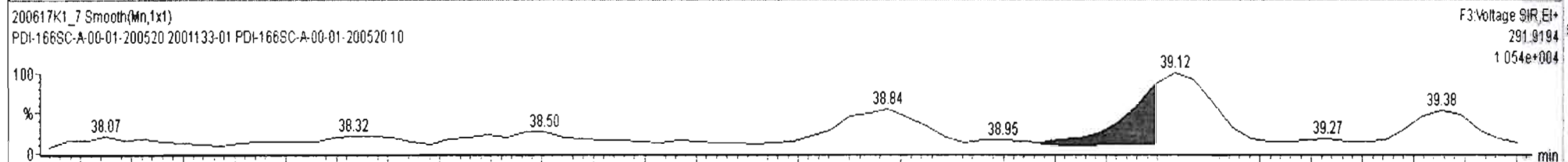
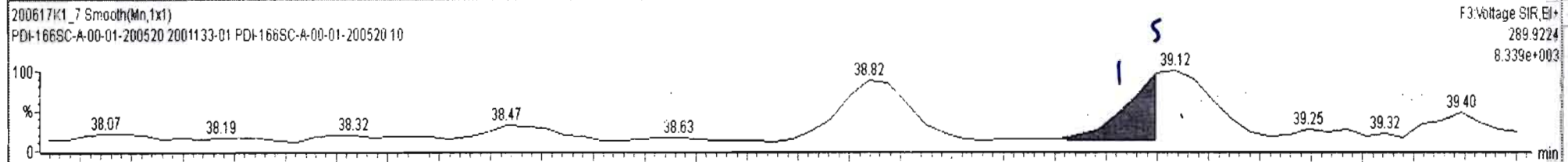
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
13	47 PCB-41/64/71/72	33.49	33.48	2.062e4	2.710e4	0.770	0.76	NO	70.441	70.441
14	48 PCB-68	33.74	33.74	8.073e2	6.912e2	0.770	0.88	NO	1.7811	1.7811
15	49 PCB-40	33.97	33.94	2.146e3	2.856e3	0.770	0.75	NO	14.563	14.563
16	50 PCB-57	34.32	34.33	2.210e2	3.027e2	0.770	0.73	NO	0.69039	0.69039
17	51 PCB-67	34.64	34.67	6.936e2	9.601e2	0.770	0.72	NO	2.3385	2.3385
18	52 PCB-58	34.76	34.80	2.326e2	3.076e2	0.770	0.76	NO	0.68789	0.68789
19	53 PCB-63	34.91	34.93	1.181e3	1.575e3	0.770	0.75	NO	3.9419	3.9419
20	54 PCB-74	35.22	35.21	1.005e4	1.344e4	0.770	0.75	NO	30.383	30.383
21	55 PCB-61/70	35.43	35.43	3.347e4	4.391e4	0.770	0.76	NO	112.53	112.53
22	56 PCB-76/66	35.62	35.64	2.674e4	3.382e4	0.770	0.79	NO	79.737	79.737
23	58 PCB-55	36.18	36.18	4.381e2	5.335e2	0.770	0.82	NO	1.2059	1.2059
24	59 PCB-56/60	36.70	36.70	1.323e4	1.737e4	0.770	0.76	NO	43.612	43.612
25	60 PCB-79	37.80	37.81	8.300e2	9.737e2	0.770	0.85	NO	2.2987	2.2987
26	62 PCB-61	39.06	39.10	2.288e2	2.677e2	0.770	0.85	NO	0.70607	0.70607
27	63 PCB-77	39.68	39.67	2.822e3	3.594e3	0.770	0.79	NO	8.6831	8.6831



200617K1\_7 - 2001133-01 PDI-166SC-A-00-01-200520 10 - PDI-166SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.124	0.00		0.000		NO	884.6		9.96	884.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
13	47 PCB-41/64/71/72	33.49	33.48	2.062e4	2.710e4	0.770	0.76	NO	70.441	70.441
14	48 PCB-68	33.74	33.74	6.073e2	8.912e2	0.770	0.88	NO	1.7811	1.7811
15	49 PCB-40	33.97	33.94	2.146e3	2.856e3	0.770	0.75	NO	14.563	14.563
16	50 PCB-57	34.32	34.33	2.210e2	3.027e2	0.770	0.73	NO	0.69039	0.69039
17	51 PCB-67	34.64	34.67	6.936e2	9.601e2	0.770	0.72	NO	2.3385	2.3385
18	52 PCB-58	34.76	34.80	2.326e2	3.076e2	0.770	0.76	NO	0.68789	0.68789
19	53 PCB-63	34.91	34.93	1.181e3	1.575e3	0.770	0.75	NO	3.9419	3.9419
20	54 PCB-74	35.22	35.21	1.005e4	1.344e4	0.770	0.75	NO	30.383	30.383
21	55 PCB-61/70	35.43	35.43	3.347e4	4.391e4	0.770	0.76	NO	112.53	112.53
22	56 PCB-76/66	35.62	35.64	2.674e4	3.362e4	0.770	0.79	NO	79.737	79.737
23	58 PCB-55	36.18	36.18	4.381e2	5.335e2	0.770	0.82	NO	1.2059	1.2059
24	59 PCB-56/60	36.70	36.70	1.323e4	1.737e4	0.770	0.76	NO	43.612	43.612
25	60 PCB-79	37.80	37.81	8.300e2	9.737e2	0.770	0.85	NO	2.2987	2.2987
26	62 PCB-81	39.06	39.10	2.288e2	2.677e2	0.770	0.85	NO	0.70607	0.70607
27	63 PCB-77	39.68	39.67	2.822e3	3.594e3	0.770	0.79	NO	8.6831	8.6831



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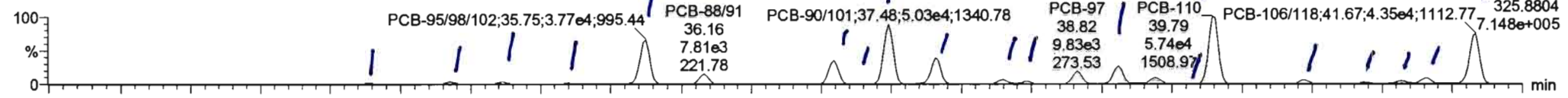
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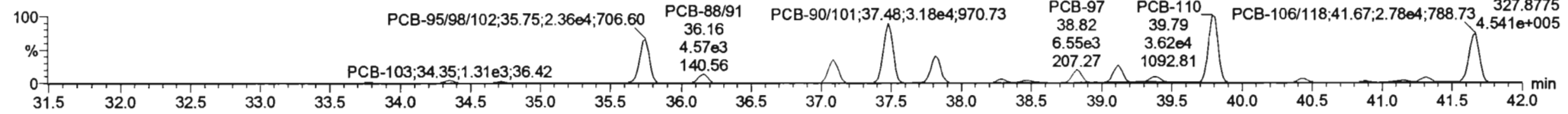
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**PCB-104**

200617K1\_7

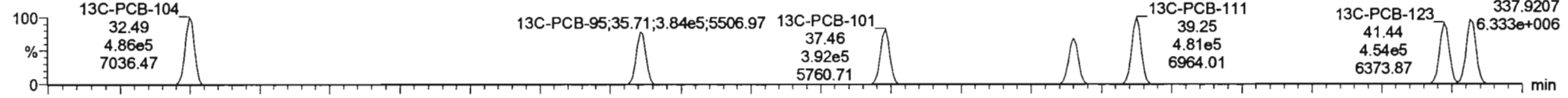


200617K1\_7

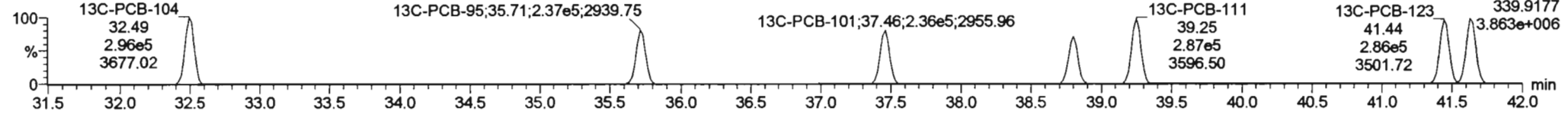


**13C-PCB-104**

200617K1\_7

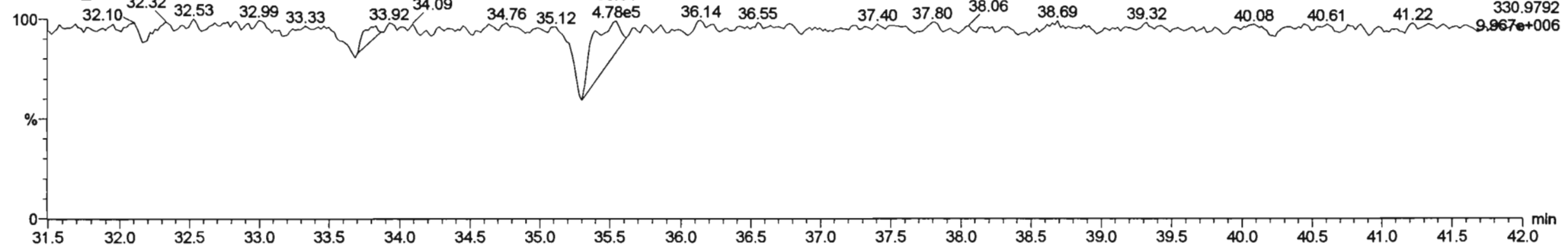


200617K1\_7



**PFK3b**

200617K1\_7



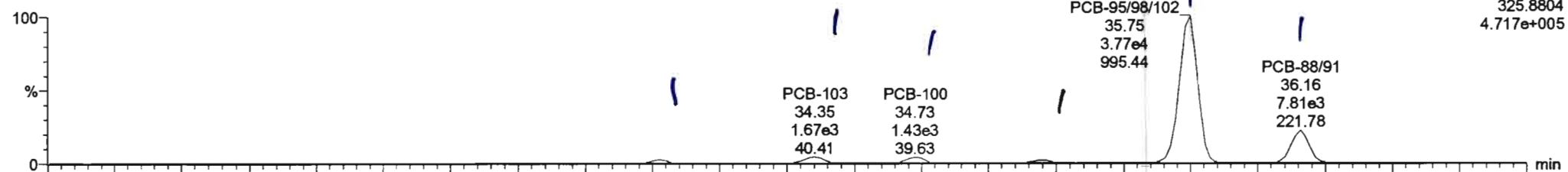
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

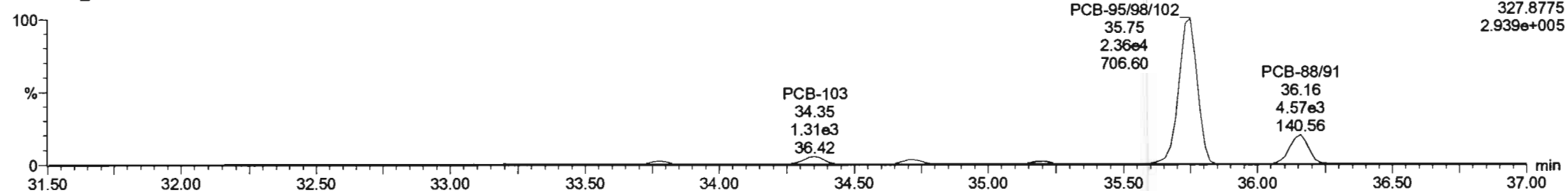
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**PCB-96**

200617K1\_7

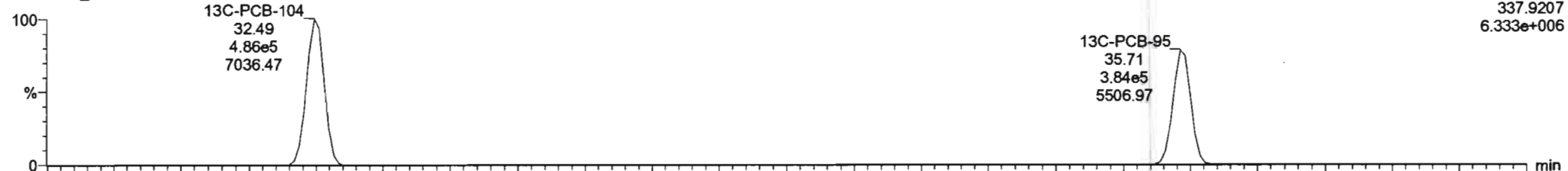


200617K1\_7

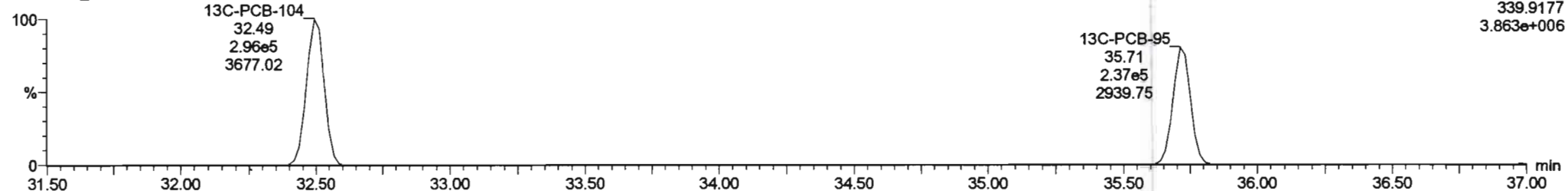


**13C-PCB-95**

200617K1\_7



200617K1\_7

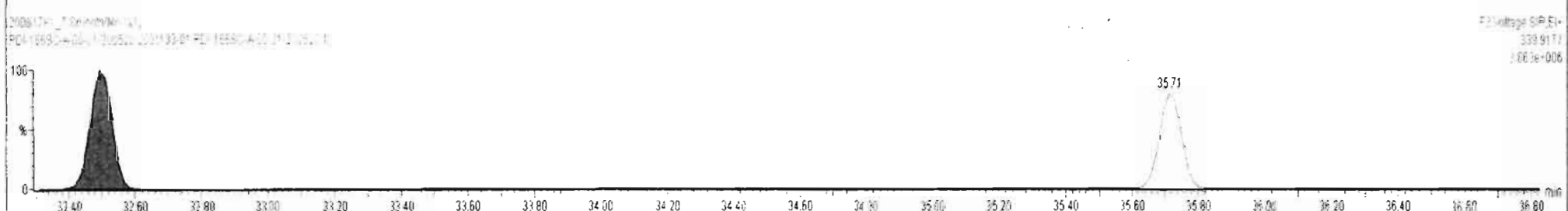
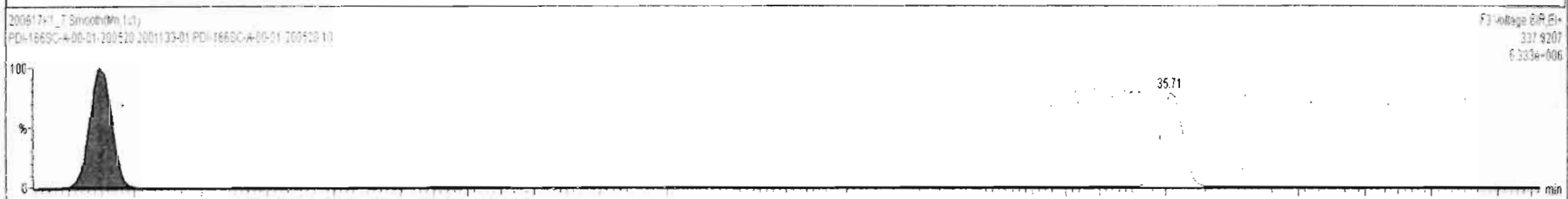
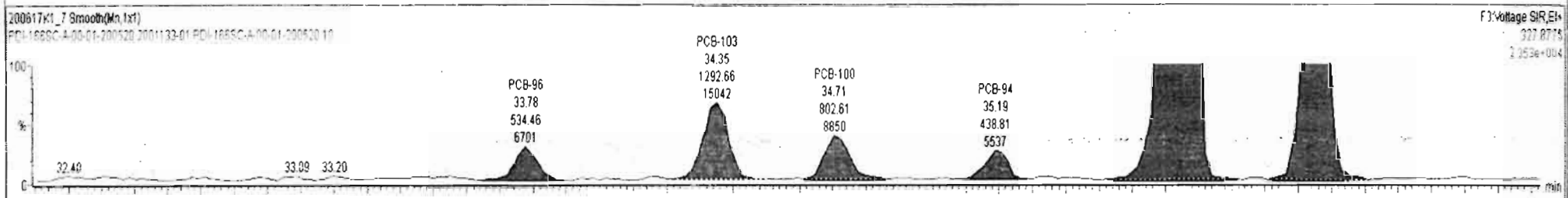
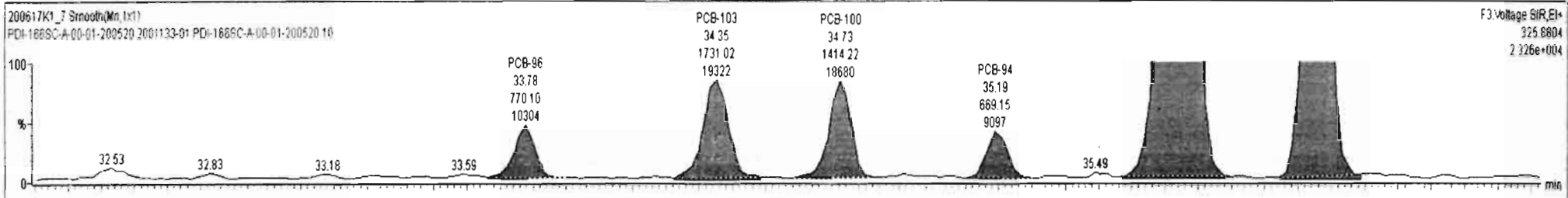




200617K1\_7 - 2001133-01 PDI-166SC-A-00-01-200520 10 - PDI-166SC-A-00-01-200520

#	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	5.124	0.00		0.000		NO	1129		9.78	1138
230	230 4th Function Penta-PCBs				1.0735	5.124	0.00		0.000		NO	49.99		1.90	52.81
231	231 3rd Function Hexa-PCBs				0.9505	5.124	0.00		0.000		NO	503.6		4.41	525.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	65 PCB-96	33.83	33.78	7.701e2	5.345e2	1.560	1.44	NO	2.8229	2.8229
2	66 PCB-103	34.40	34.35	1.731e3	1.293e3	1.560	1.34	NO	8.0612	8.0612
3	67 PCB-100	34.75	34.73	1.414e3	8.026e2	1.560	1.76	NO	5.8042	5.8042
4	68 PCB-94	35.19	35.19	6.691e2	4.389e2	1.560	1.52	NO	3.6701	3.6701
5	69 PCB-95/68/102	35.67	35.75	2.787e4	2.364e4	1.560	1.60	NO	160.53	160.53
6	71 PCB-88/61	36.14	36.16	7.948e3	4.620e3	1.560	1.72	NO	37.099	37.099



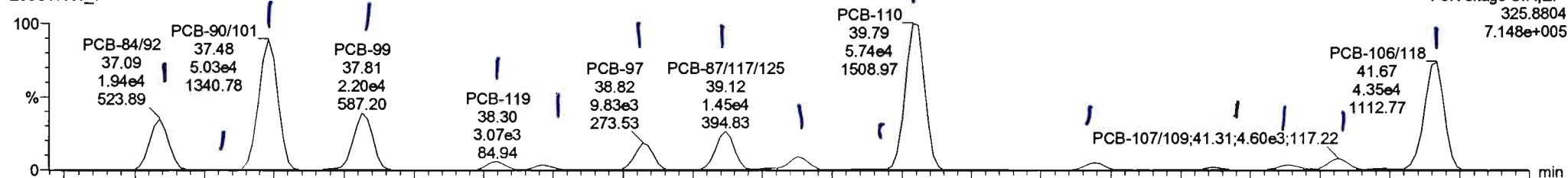
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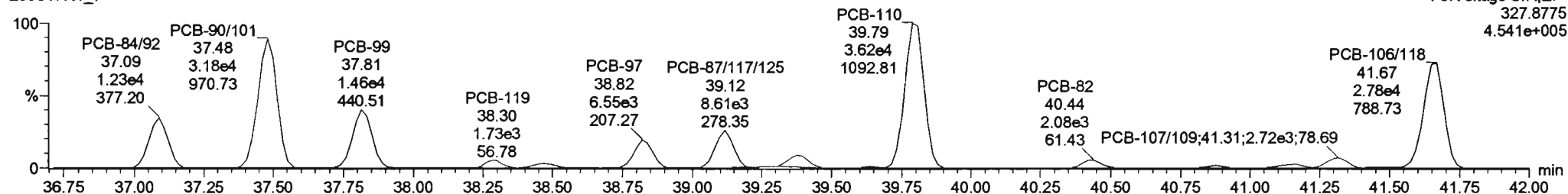
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**PCB-119**

200617K1\_7

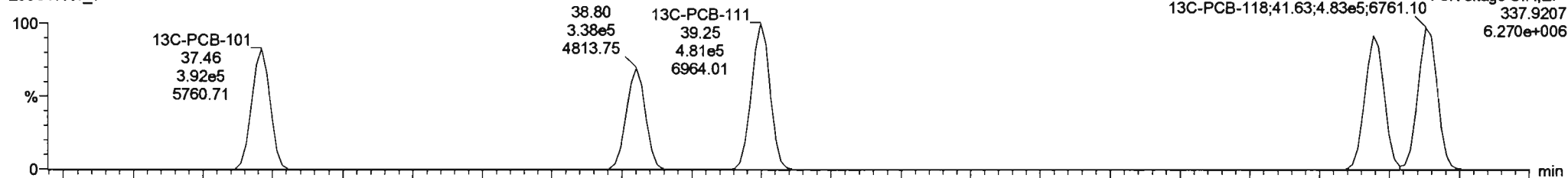


200617K1\_7

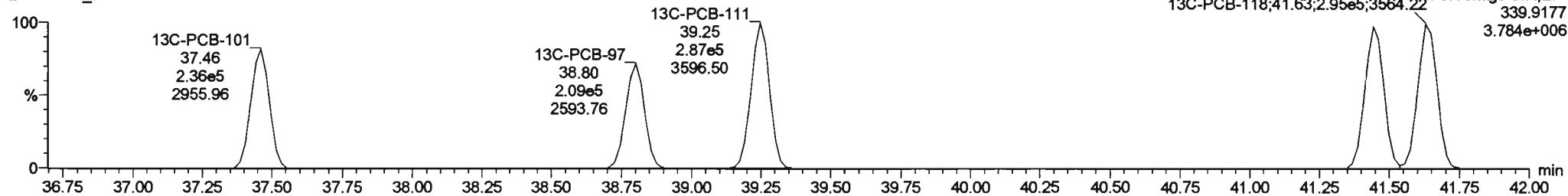


**13C-PCB-111**

200617K1\_7

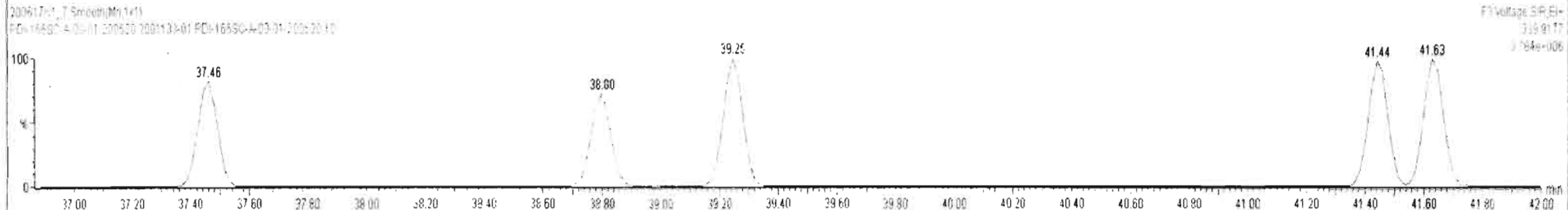
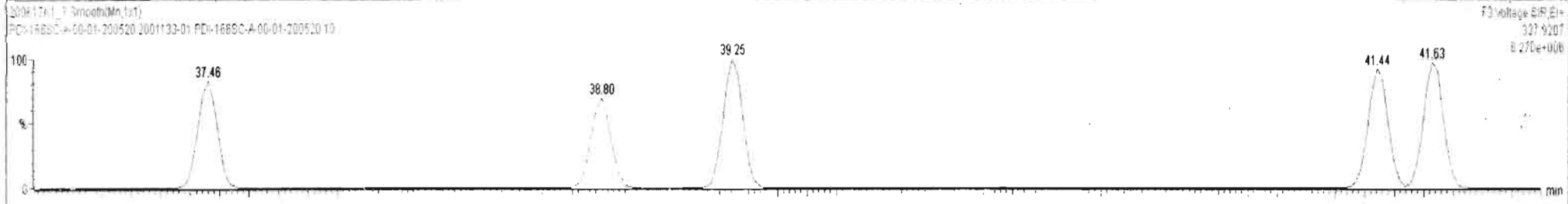
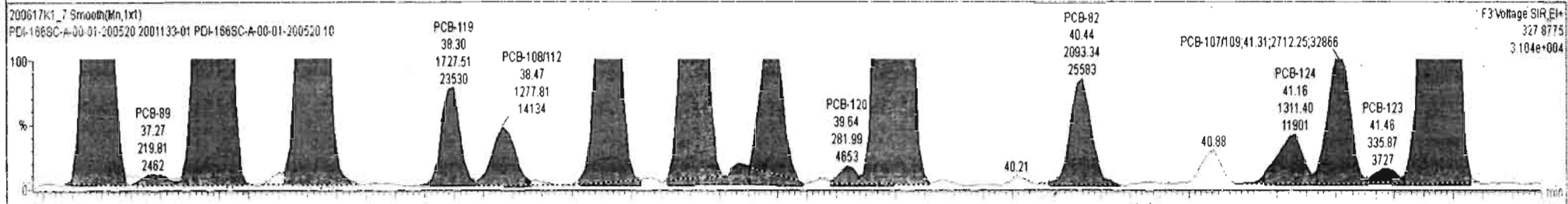
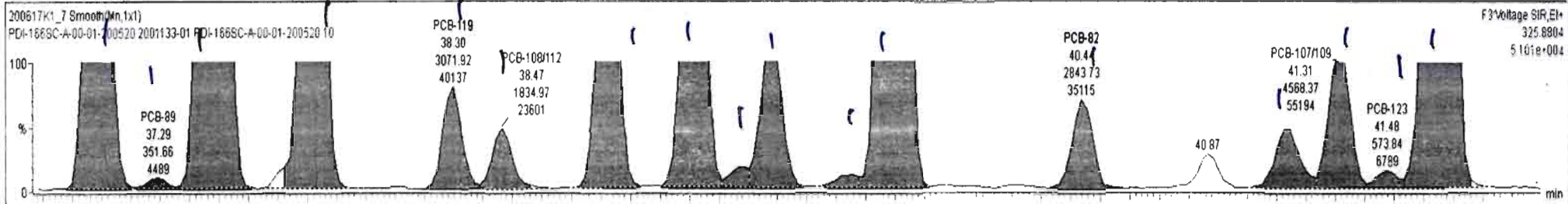


200617K1\_7



#	Name	Resp	RA	nly	RRF	wtVol	PredRT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.3157	5.124	0.00		0.000		NO	1150		9.76	1150
230	230 4th Function Penta-PCBs				1.0735	5.124	0.00		0.000		NO	49.99		1.90	52.81
231	231 3rd Function Hexa-PCBs				0.9505	5.124	0.00		0.000		NO	503.6		4.41	525.3

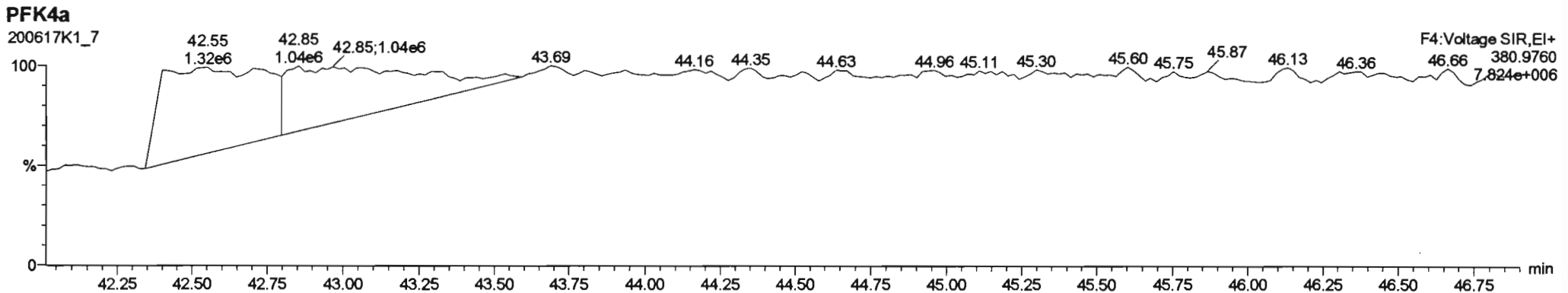
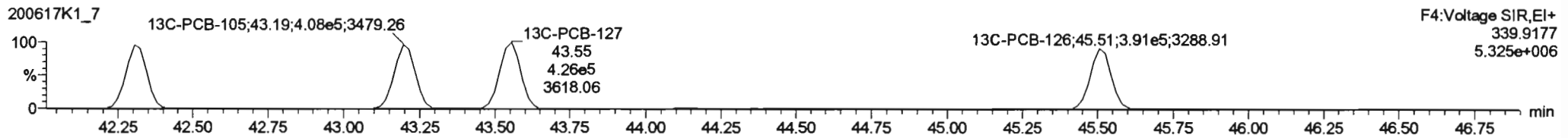
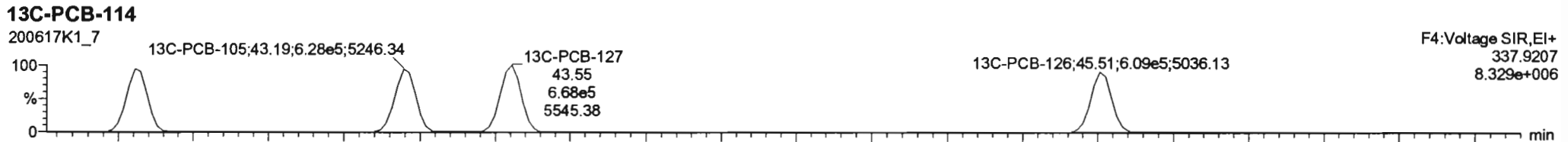
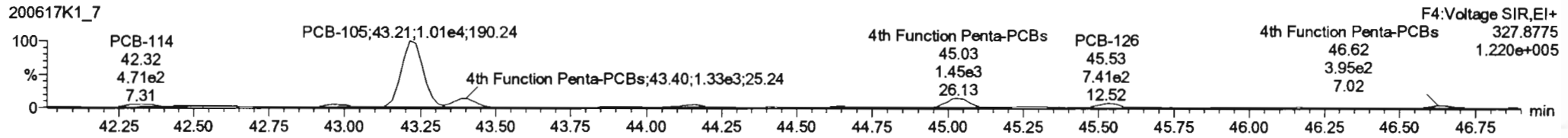
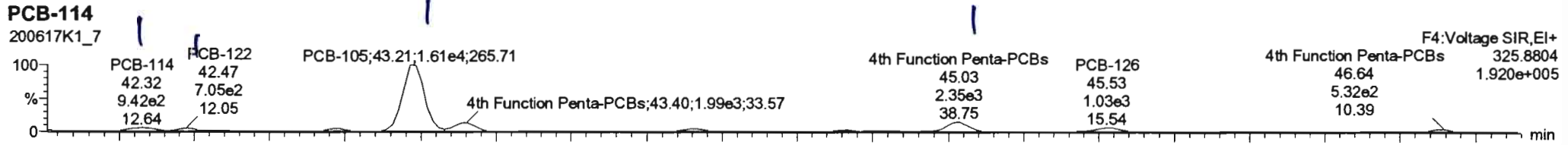
#	Name	PredRT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
7	73 PCB-84/82	37.10	37.09	1.951e4	1.230e4	1.560	1.59	NO	97.008	97.008
8	74 PCB-89	37.27	37.29	3.517e2	2.198e2	1.560	1.60	NO	1.6050	1.6050
9	75 PCB-90/01	37.48	37.48	5.044e4	3.181e4	1.560	1.59	NO	227.39	227.39
10	77 PCB-90	37.81	37.81	2.169e4	1.459e4	1.560	1.59	NO	85.010	85.010



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 Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

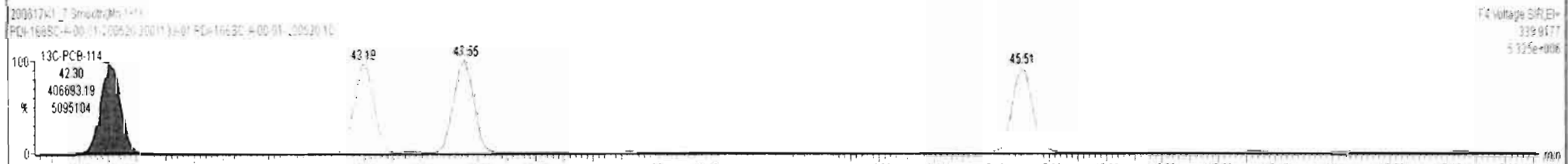
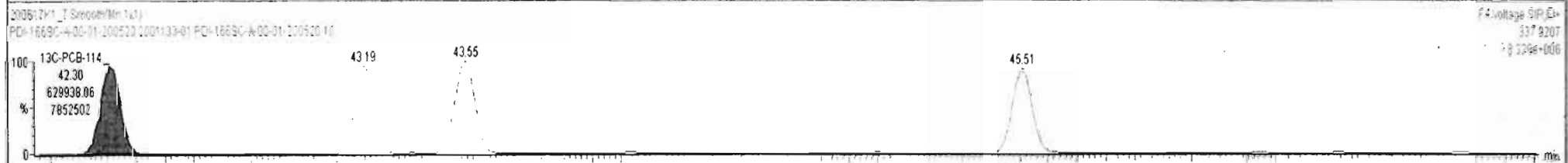
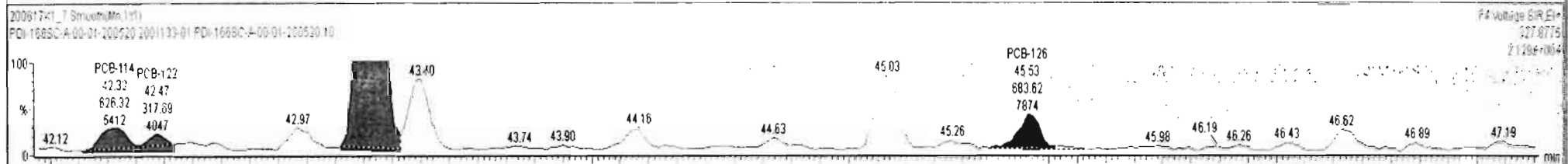
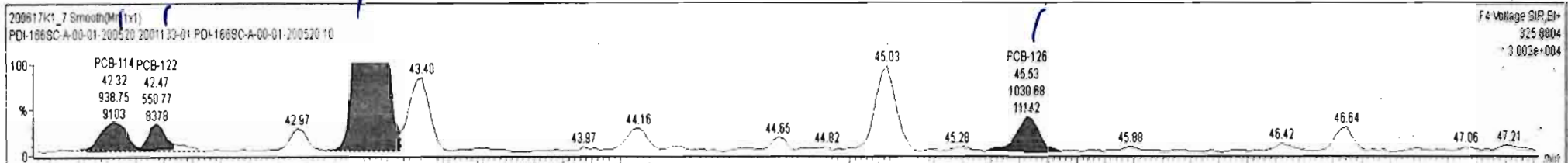
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#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.3157	5.124	0.00		0.000		NO	1150		9.78	1150
230	230 4th Function Penta-PCBs				1.0735	5.124	0.00		0.000		NO	54.45		1.90	54.45
231	231 3rd Function Hexa-PCBs				0.9505	5.124	0.00		0.000		NO	503.6		4.41	525.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.33	42.32	9.387e2	6.263e2	1.560	1.50	NO	2.5820	2.5820
2	94 PCB-122	42.47	42.47	5.508e2	3.177e2	1.560	1.73	NO	1.7315	1.7315
3	95 PCB-105	43.21	43.21	1.613e4	1.024e4	1.550	1.57	NO	47.279	47.279
4	97 PCB-126	45.52	45.53	1.031e3	6.836e2	1.560	1.51	NO	2.8556	2.8556



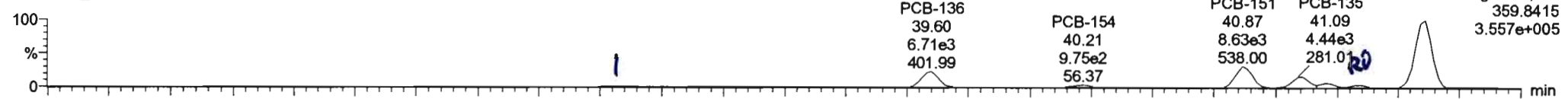
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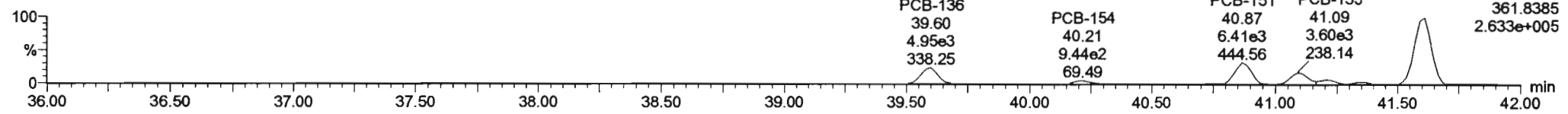
Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

**PCB-155**

200617K1\_7

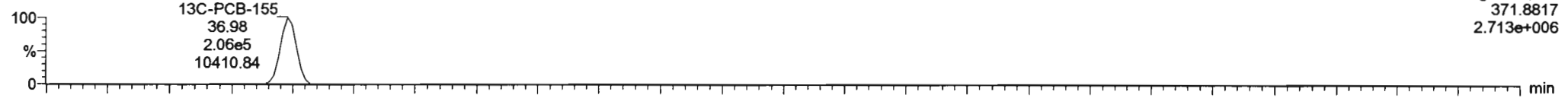


200617K1\_7

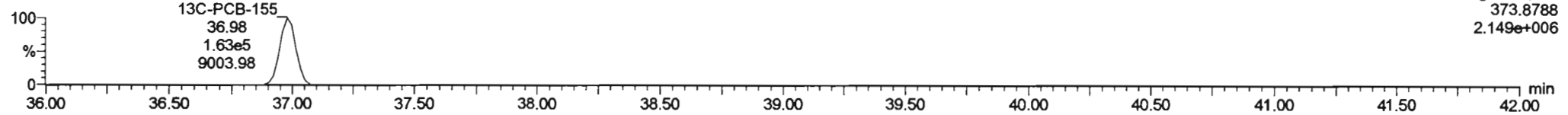


**13C-PCB-155**

200617K1\_7

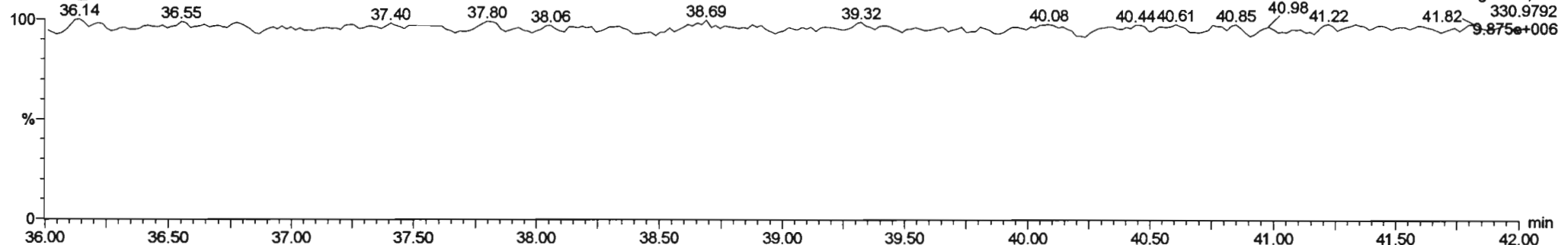


200617K1\_7



**PFK3c**

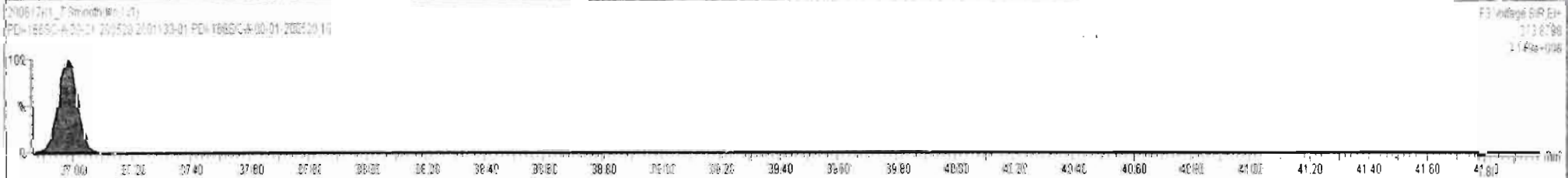
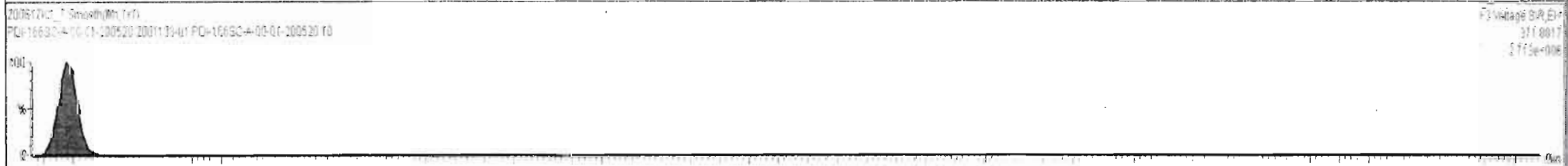
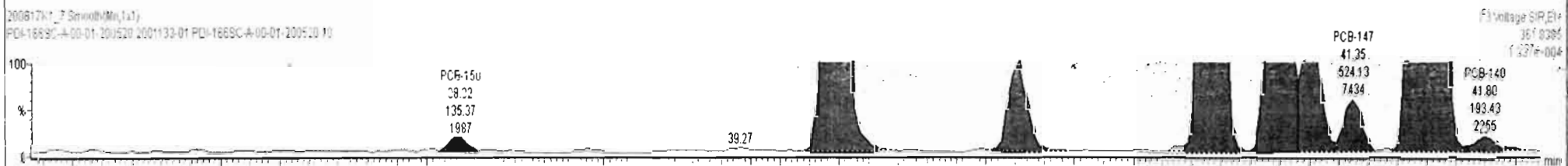
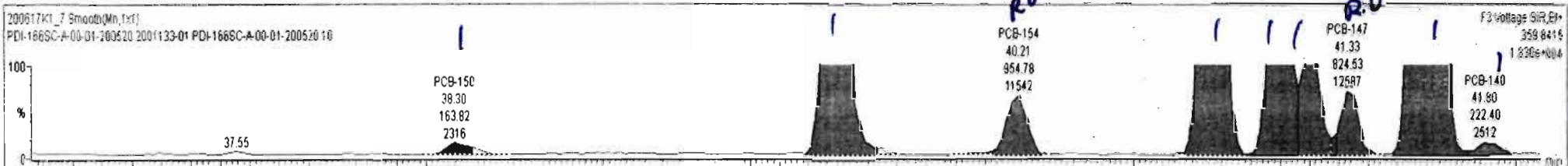
200617K1\_7



200617K1\_7 - 2001133-01 PDI-166SC-A-00-01-200520 10 - PDI-166SC-A-00-01-200520

#	Name	Resp	RA	nly	RRF	wtVol	PredRT	RT	Pred.R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.9505	5.124	0.00		0.000		NO	506.0		4.41	525.3
232	232 4th Function Hexa-PCBs				1.0316	5.124	0.00		0.000		NO	956.1		6.09	965.5
233	233 Total Hepta-PCBs				1.3551	5.124	0.00		0.000		NO	744.5		5.68	753.6

#	Name	PredRT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
1	99 PCB-150	38.32	38.30	1.630e2	1.354e2	1.240	1.21	NO	1.4579	1.4579
2	1... PCB-136	39.60	39.60	6.666e3	4.955e3	1.240	1.34	NO	60.149	60.149
3	1... PCB-154	40.22	40.21	9.548e2	9.534e2	1.240	1.00	YES	9.9088	0.00000
4	1... PCB-151	40.88	40.87	8.636e3	6.372e3	1.240	1.36	NO	100.74	100.74
5	1... PCB-135	41.09	41.09	4.439e3	3.597e3	1.240	1.23	NO	46.002	46.002
6	1... PCB-144	41.20	41.20	1.677e3	1.265e3	1.240	1.33	NO	19.684	19.684
7	1... PCB-147	41.33	41.33	8.245e2	5.241e2	1.240	1.57	YES	7.4278	0.00000
8	1... PCB-139/149	41.62	41.61	2.844e4	2.132e4	1.240	1.33	NO	277.16	277.16
9	1... PCB-140	41.80	41.80	2.224e2	1.934e2	1.240	1.15	NO	2.7663	2.7663

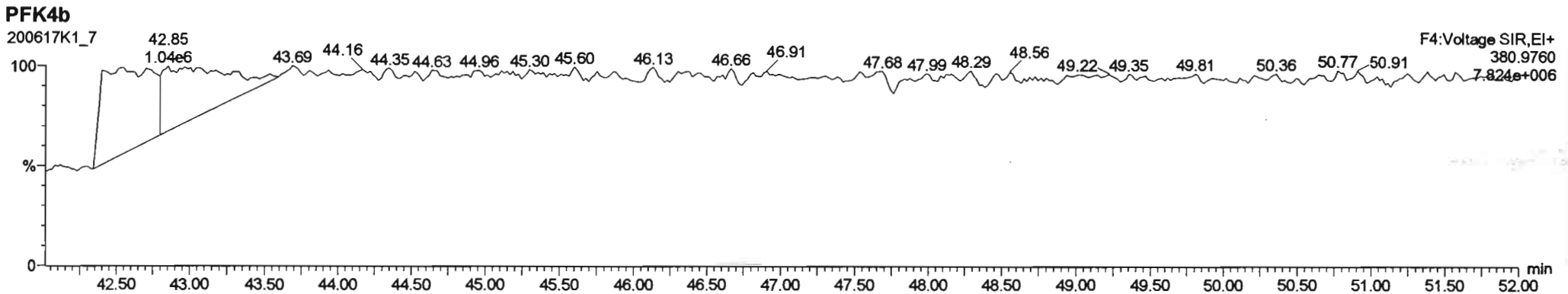
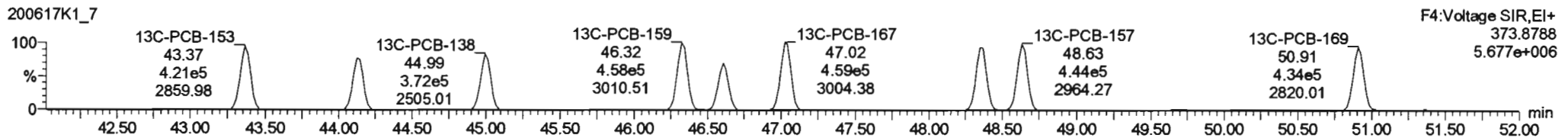
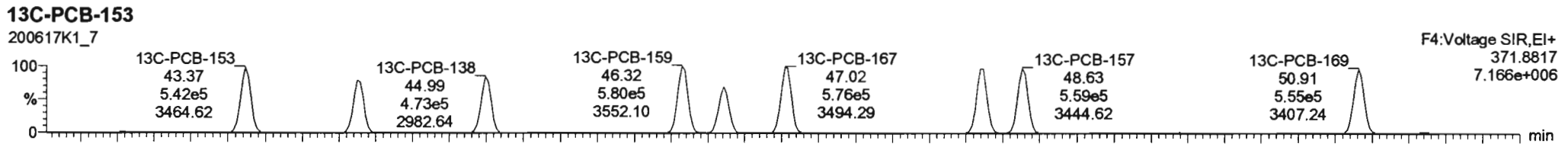
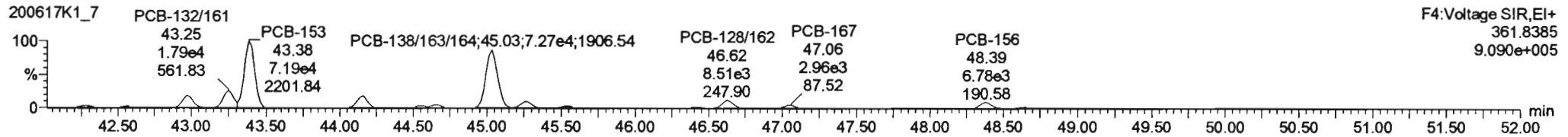
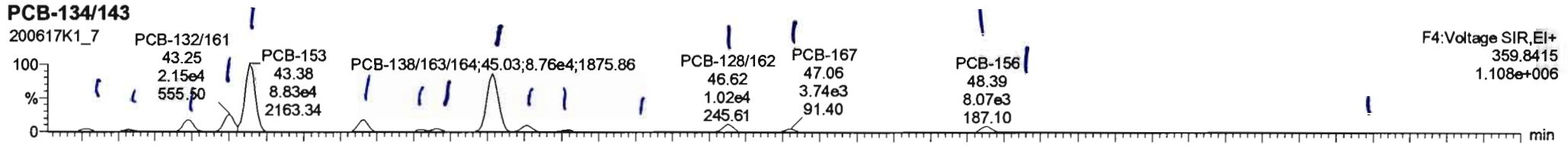


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Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

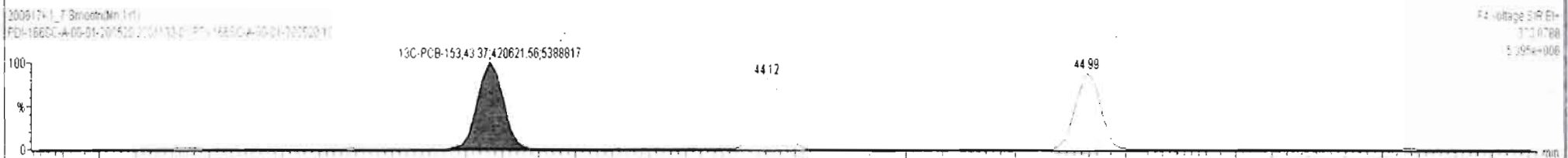
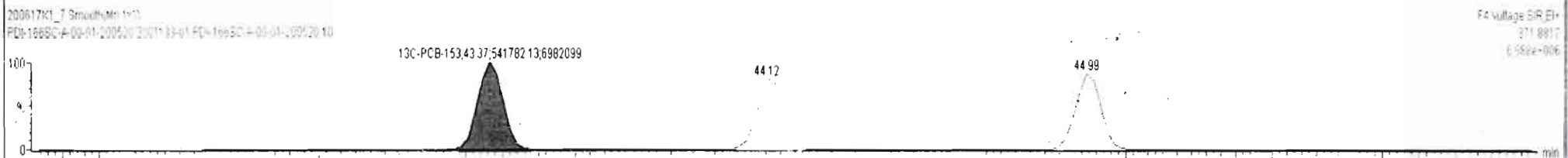
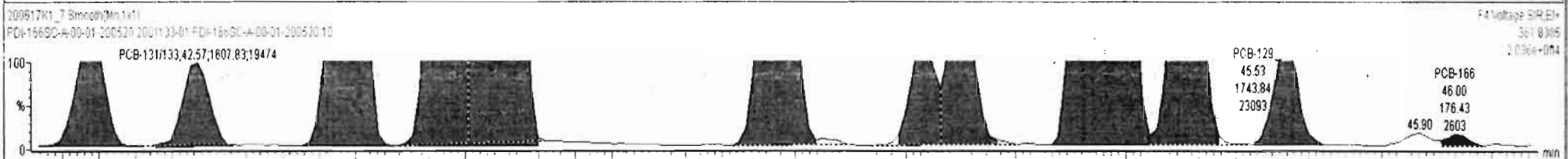
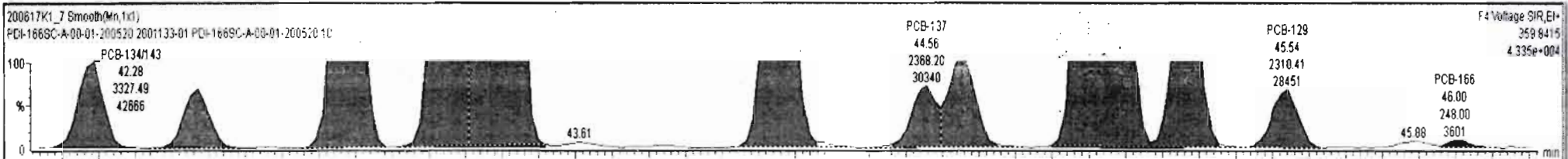




200617K1\_7 - 2001133-01-PDI-166SC-A-00-01-200520 10 - PDI-166SC-A-00-01-200520

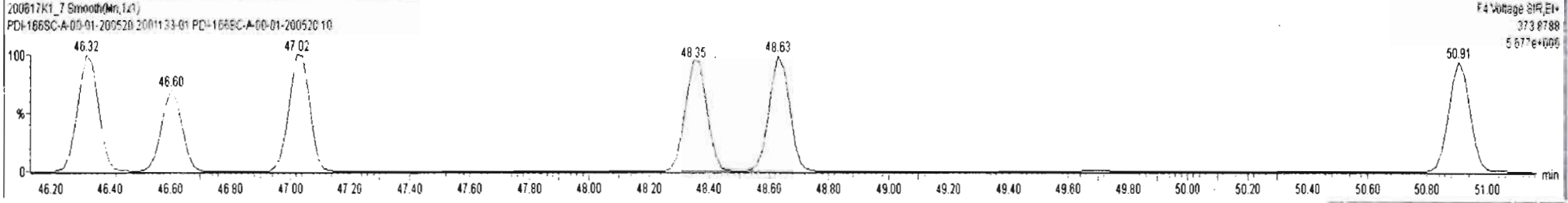
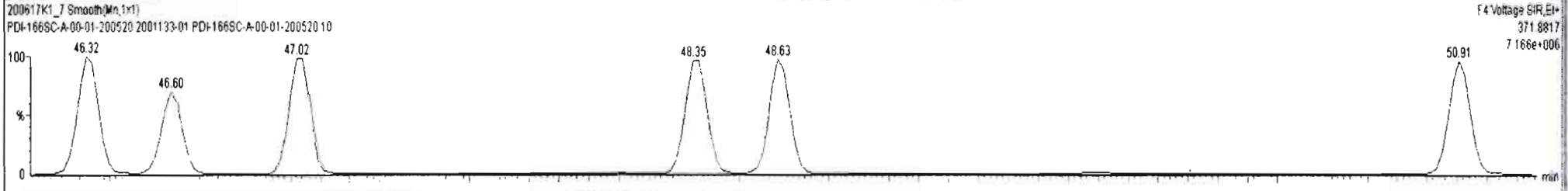
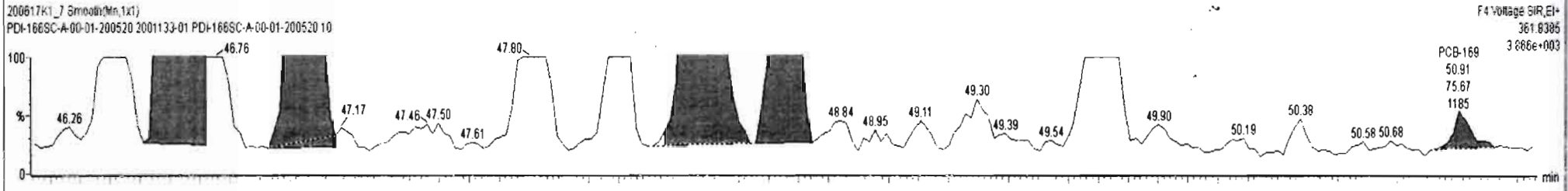
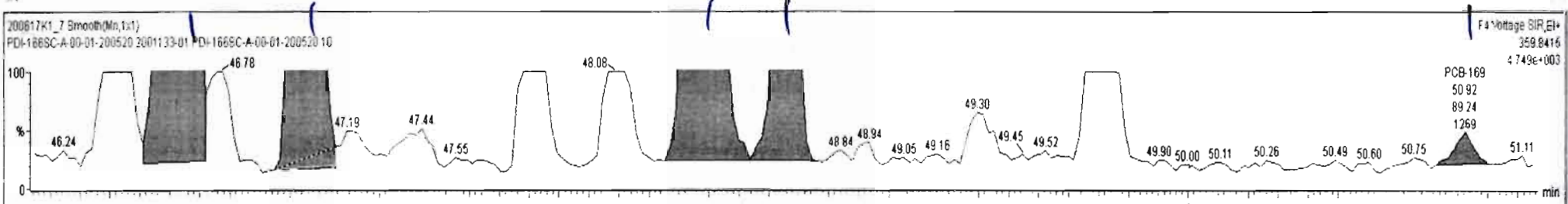
#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				1.0916	5.124	0.00		0.000		NO	966.6		6.09	966.6
233	233 Total Hepta-PCBs				1.3551	5.124	0.00		0.000		NO	.744.5		5.68	753.6
234	234 4th Function Octa-PCBs				1.0008	5.124	0.00		0.000		NO	48.48		3.32	97.50

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1... PCB-134/143	42.28	42.28	3.327e3	2.362e3	1.240	1.41	NO	15.201	15.201
2	1... PCB-131/133	42.58	42.57	2.263e3	1.608e3	1.240	1.41	NO	9.5625	9.5625
3	1... PCB-146/165	42.97	42.97	1.511e4	1.281e4	1.240	1.18	NO	55.704	55.704
4	1... PCB-132/161	43.20	43.25	2.154e4	1.798e4	1.240	1.20	NO	78.270	78.270
5	1... PCB-153	43.38	43.38	8.842e4	7.199e4	1.240	1.23	NO	303.84	303.84
6	1... PCB-141	44.14	44.16	1.539e4	1.290e4	1.240	1.19	NO	66.094	66.094
7	1... PCB-137	44.54	44.56	2.368e3	1.900e3	1.240	1.25	NO	9.2203	9.2203
8	1... PCB-130	44.64	44.65	3.849e3	3.037e3	1.240	1.27	NO	18.660	18.660
9	1... PCB-139/163/164	45.03	45.03	8.775e4	7.271e4	1.240	1.21	NO	289.91	289.91
10	1... PCB-158/160	45.28	45.26	8.336e3	7.199e3	1.240	1.16	NO	28.953	28.953
11	1... PCB-129	45.54	45.54	2.310e3	1.744e3	1.240	1.32	NO	10.811	10.811
12	1... PCB-166	46.01	46.00	2.480e2	1.764e2	1.240	1.41	NO	0.69787	0.69787



#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				1.0316	5.124	0.00		0.000		NO	966.7		6.09	966.7
233	233 Total Hepta-PCBs				1.3551	5.124	0.00		0.000		NO	744.5		5.68	753.6
234	234 4th Function Octa-PCBs				1.0008	5.124	0.00		0.000		NO	46.46		3.32	97.50

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
13	I... PCB-128/162	46.63	46.62	1.021e4	8.514e3	1.240	1.20	NO	38.768	38.768
14	I... PCB-167	47.04	47.06	3.821e3	3.007e3	1.240	1.27	NO	11.609	11.609
15	I... PCB-156	48.37	48.39	8.067e3	6.774e3	1.240	1.19	NO	25.329	25.329
16	I... PCB-157	48.67	48.65	1.473e3	1.099e3	1.240	1.34	NO	4.8229	4.8229
17	I... PCB-169	50.93	50.92	8.924e1	7.567e1	1.240	1.18	NO	0.28082	0.28092

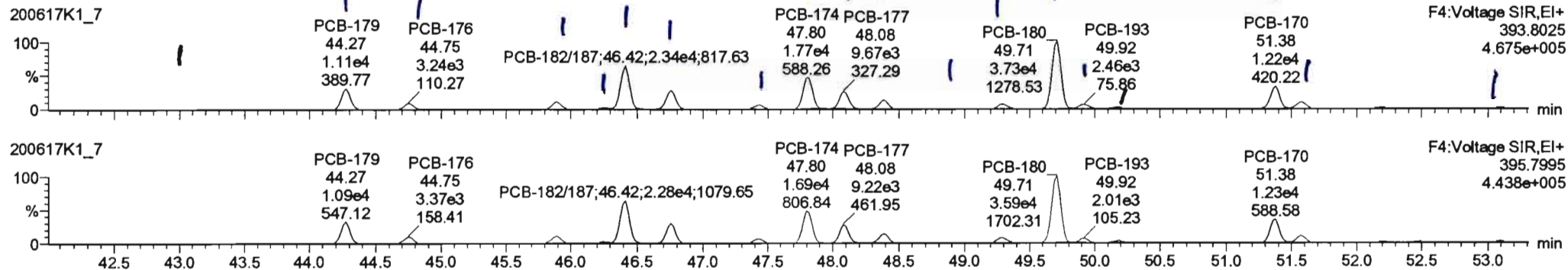


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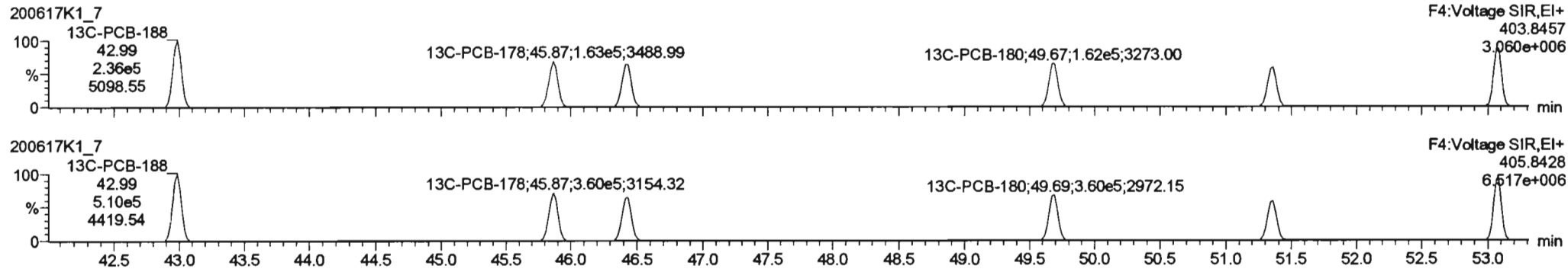
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

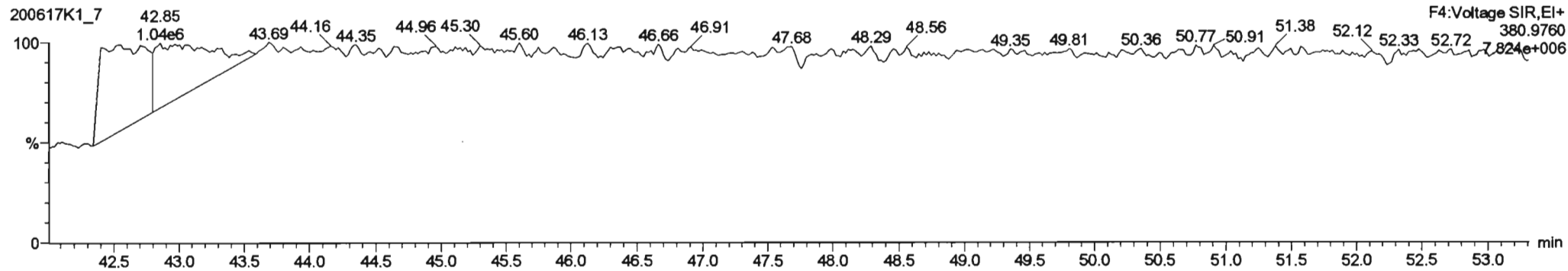
**PCB-188**



**13C-PCB-188**



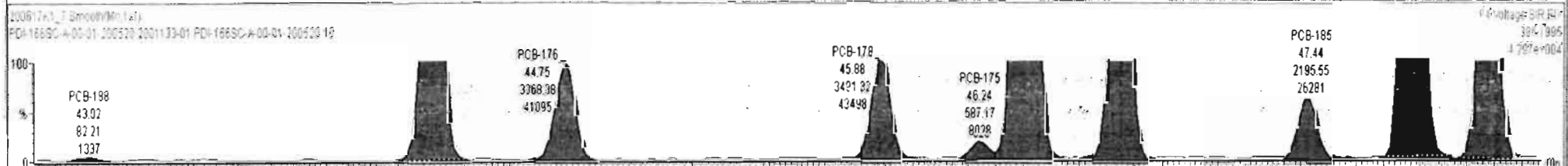
**PFK4c**





#	Name	Resp	RA	nly	RRF	wt/Mol	Pred.RT	RT	Pred.R.	RRT	RRT Fat	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.124	0.00		0.000		NO	746.3		5.68	755.5
234	234 4th Function Octa-PCBs				1.0008	5.124	0.00		0.000		NO	46.48		3.32	97.50
235	235 5th Function Octa-PCBs				1.1499	5.124	0.00		0.000		NO	24.91		0.858	36.23

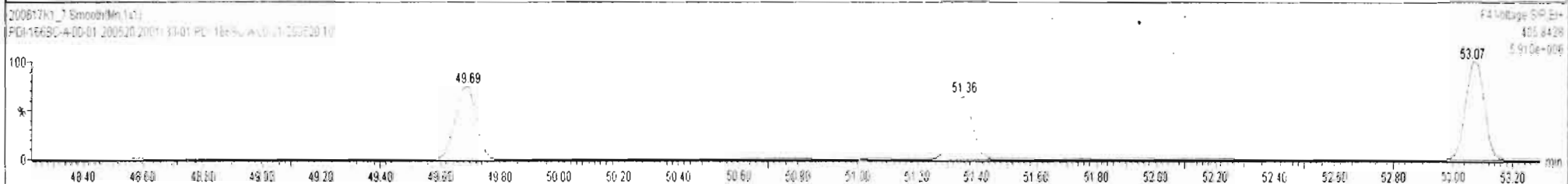
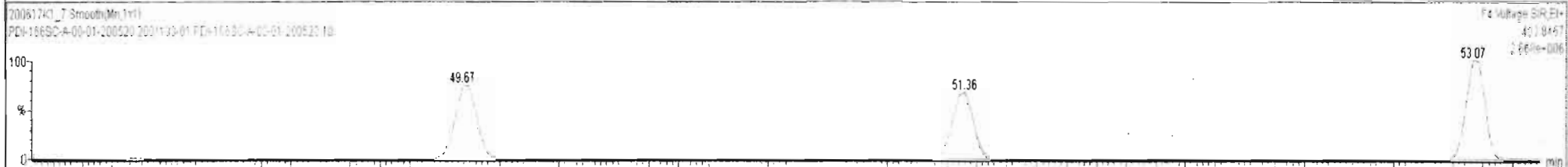
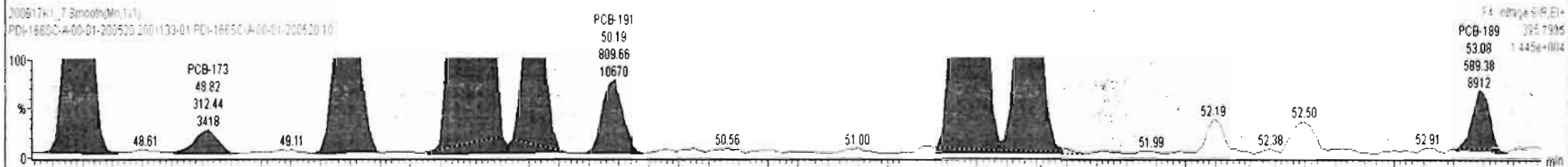
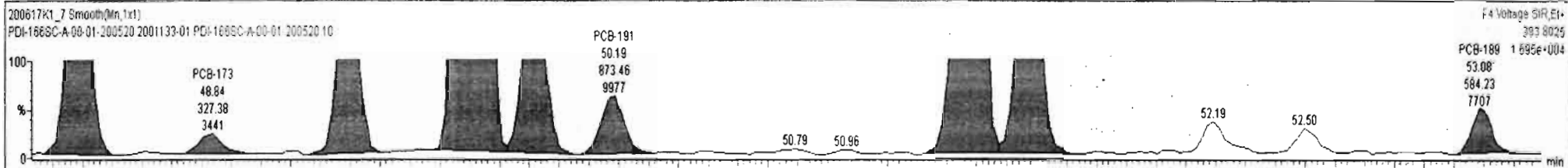
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	I. PCB-188	43.02	43.01	7.931e1	8.221e1	1.050	0.96	NO	0.32751	0.32751
2	I. PCB-179	44.28	44.26	1.107e4	1.091e4	1.050	1.01	NO	44.284	44.284
3	I. PCB-176	44.74	44.75	3.242e3	3.368e3	1.050	0.96	NO	13.210	13.210
4	I. PCB-178	45.88	45.88	3.873e3	3.491e3	1.050	1.11	NO	20.416	20.416
5	I. PCB-175	46.24	46.24	6.782e2	5.872e2	1.050	1.16	NO	3.4605	3.4605
6	I. PCB-182/187	46.42	46.42	2.338e4	2.278e4	1.050	1.03	NO	113.21	113.21
7	I. PCB-183	46.76	46.76	1.037e4	1.018e4	1.050	1.02	NO	52.525	52.525
8	I. PCB-185	47.42	47.44	2.134e3	2.196e3	1.050	0.97	NO	11.520	11.520
9	I. PCB-174	47.81	47.80	1.786e4	1.705e4	1.050	1.05	NO	96.448	96.448
10	I. PCB-177	48.06	48.06	9.805e3	9.327e3	1.050	1.05	NO	56.000	56.000





#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.124	0.00		0.000		NO	758.1		5.68	758.1
234	234 4th Function Octa-PCBs				1.0008	5.124	0.00		0.000		NO	46.48		3.32	97.50
235	235 5th Function Octa-PCBs				1.1439	5.124	0.00		0.000		NO	24.91		0.856	36.23

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
11	1... PCB-171	48.36	48.39	4.482e3	4.711e3	1.050	0.95	NO	26.150	26.150
12	1... PCB-173	48.80	48.84	3.274e2	3.124e2	1.050	1.05	NO	2.0111	2.0111
13	1... PCB-172	49.26	49.29	2.524e3	2.717e3	1.050	0.93	NO	14.254	14.254
14	1... PCB-180	49.69	49.71	3.729e4	3.628e4	1.050	1.03	NO	194.90	194.90
15	1... PCB-193	49.90	49.92	2.455e3	2.216e3	1.050	1.11	NO	10.418	10.418
16	1... PCB-191	50.17	50.19	8.735e2	8.097e2	1.050	1.08	NO	3.6809	3.6809
17	1... PCB-170	51.38	51.38	1.223e4	1.238e4	1.050	0.99	NO	75.867	75.867
18	1... PCB-190	51.57	51.57	3.749e3	3.469e3	1.050	1.08	NO	16.843	16.843
19	1... PCB-189	53.09	53.08	5.842e2	5.894e2	1.050	0.99	NO	2.5745	2.5745



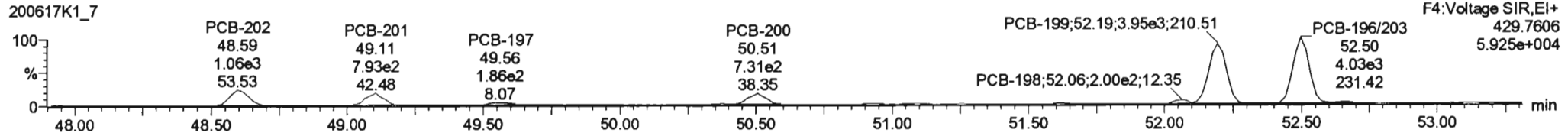
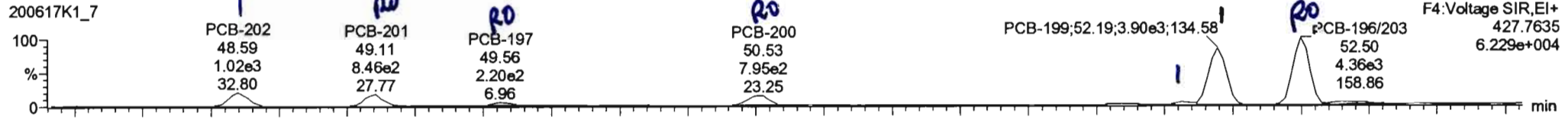
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

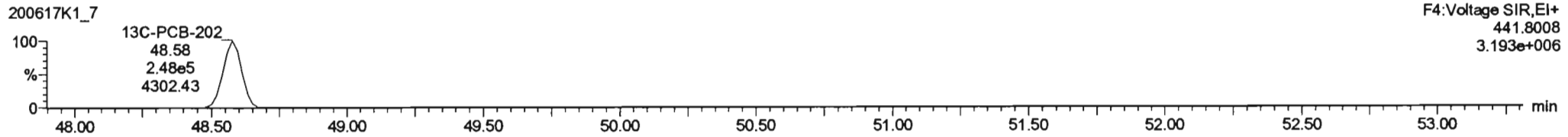
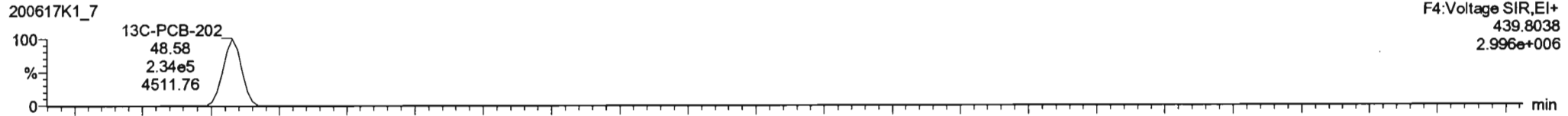
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

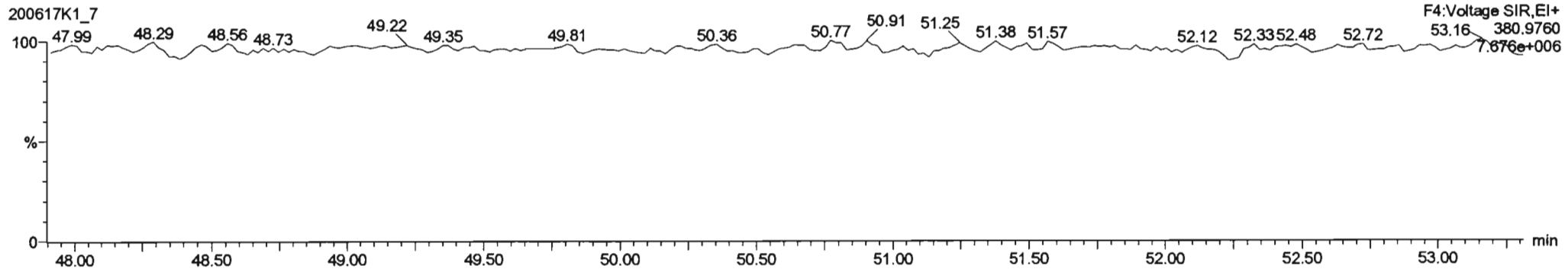
**PCB-202**



**13C-PCB-202**

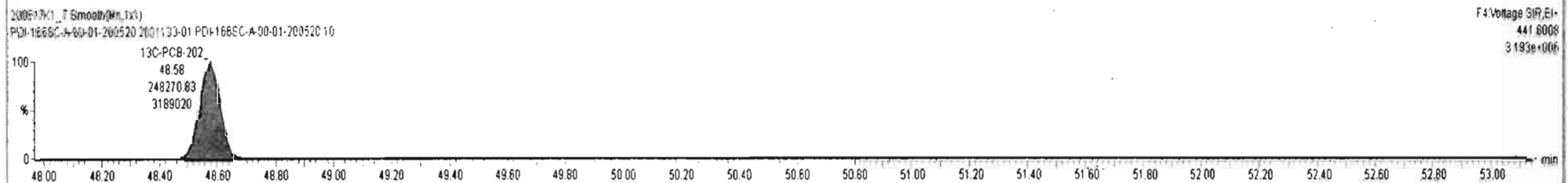
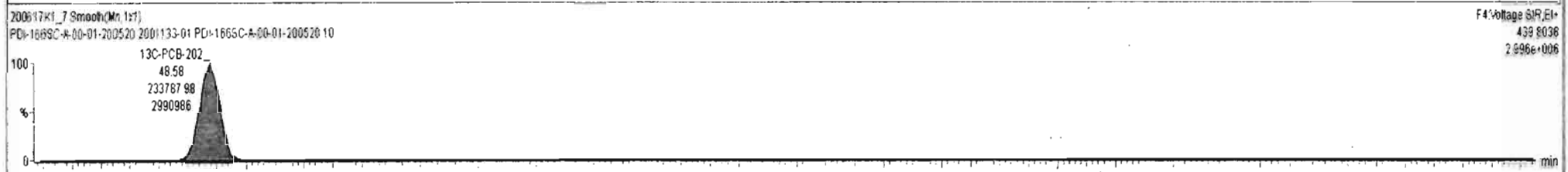
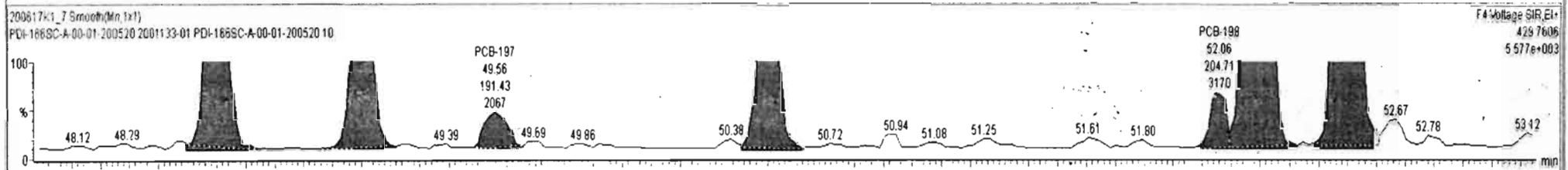
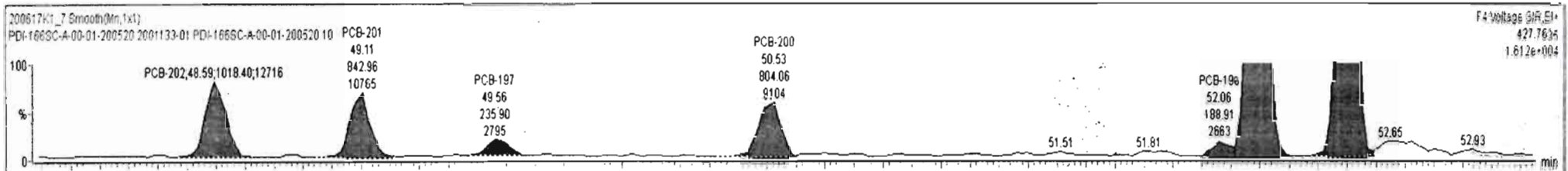


**PFK4d**



#	Name	Resp	RA	nly	RRF	wt/val	PredRT	RT	PredR..	RRT	RRT Fail	Conc	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				1.0008	5.124	0.00		0.000		NO	48.81		3.32	98.36
235	235 5th Function Octa-PCBs				1.1499	5.124	0.00		0.000		NO	24.91		0.658	36.23
236	236 Total Nona-PCBs				0.9523	5.124	0.00		0.000		NO	12.09		0.792	13.95

#	Name	PredRT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
1	1... PCB-202	48.61	48.59	1.018e3	1.102e3	0.890	0.92	NO	7.3475	7.3475
2	2... PCB-201	49.10	49.11	8.430e2	8.111e2	0.890	1.04	YES	5.8948	0.00000
3	3... PCB-197	49.57	49.56	2.359e2	1.914e2	0.890	1.23	YES	1.2932	0.00000
4	4... PCB-200	50.50	50.53	8.041e2	7.458e2	0.890	1.08	YES	5.3317	0.00000
5	5... PCB-198	52.08	52.06	1.889e2	2.047e2	0.890	0.92	NO	2.0074	2.0074
6	6... PCB-199	52.18	52.19	3.902e3	3.985e3	0.890	0.98	NO	39.456	39.456
7	7... PCB-196/203	52.50	52.50	4.366e3	4.056e3	0.890	1.08	YES	37.028	0.00000



Dataset: Untitled

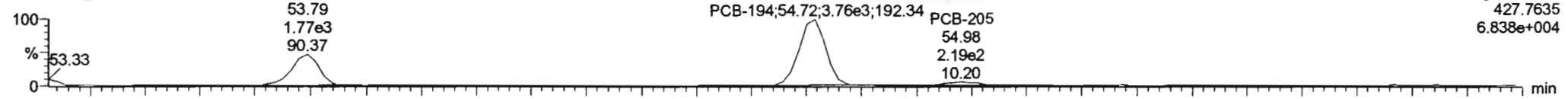
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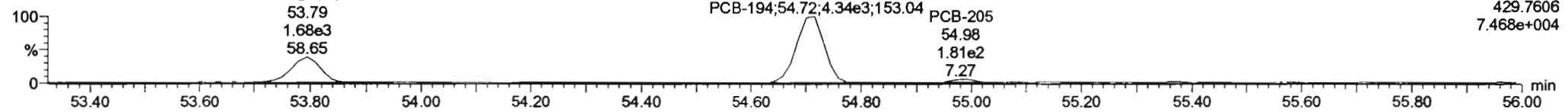
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**PCB-195**

200617K1\_7

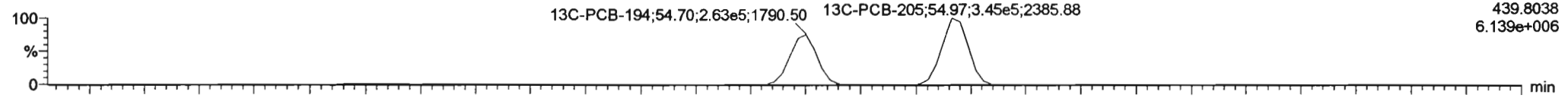


200617K1\_7

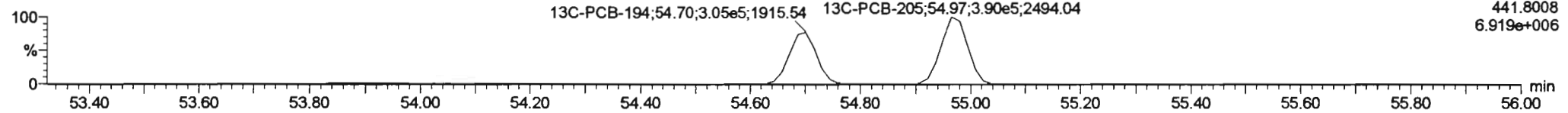


**13C-PCB-194**

200617K1\_7

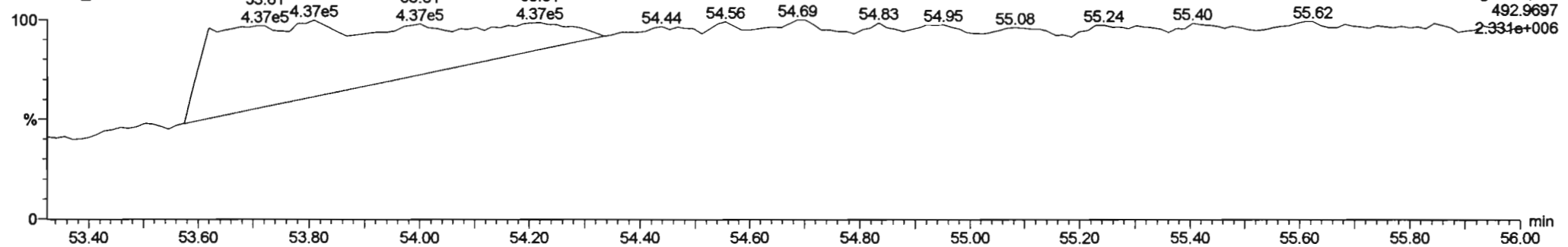


200617K1\_7



**PFK5a**

200617K1\_7

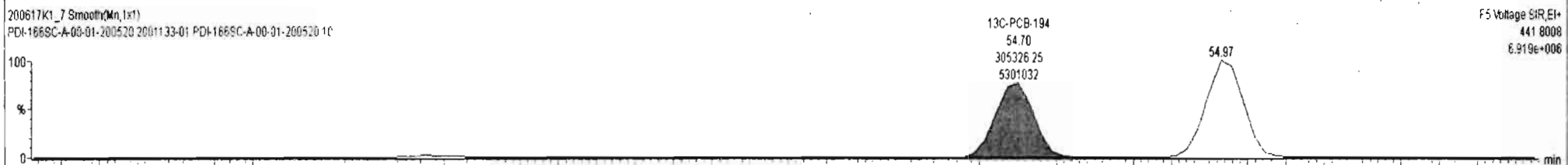
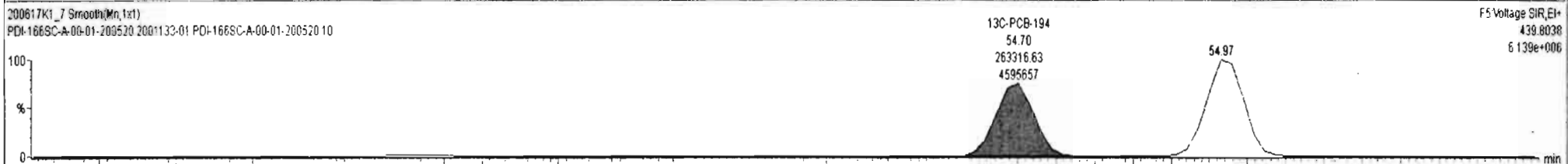
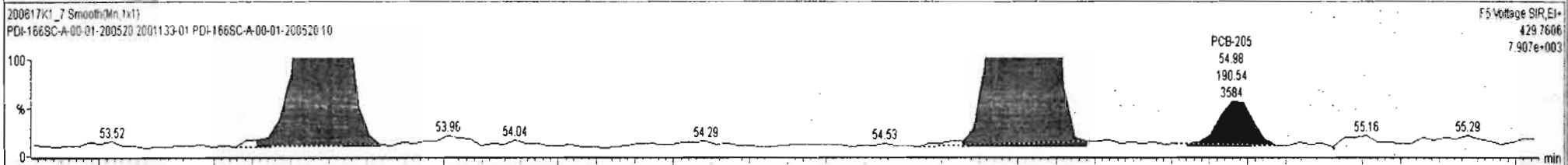
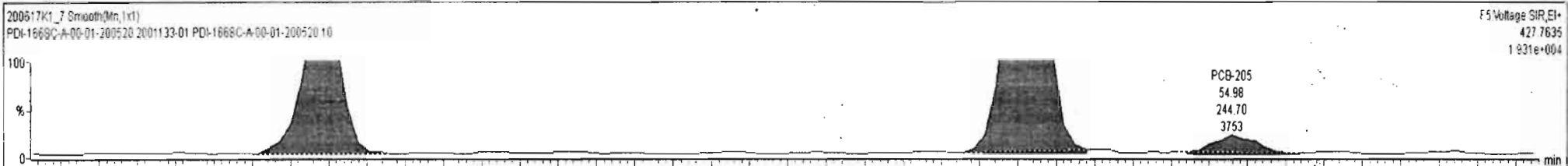




200617K1\_7 - 2001133-01 PDI-166SC-A-00-01-200520 10 - PDI-166SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
235	235	Stn Function Octa-PCBs			1.1499	5.124	0.00		0.000		NO	25.17		0.858	36.46
236	236	Total Nona-PCBs			0.9523	5.124	0.00		0.000		NO	12.09		0.792	13.95
237	237	Deca-CB			0.9664	5.124	0.00		0.000		NO	9.965		0.157	9.965

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.	
1	1	PCB-195	53.80	53.79	1.775e3	1.663e3	0.890	1.07	YES	10.327	0.00000
2	1	PCB-194	54.72	54.72	3.828e3	4.356e3	0.890	0.88	NO	25.171	25.171
3	1	PCB-205	54.98	54.98	2.447e2	1.905e2	0.890	1.28	YES	0.95858	0.00000

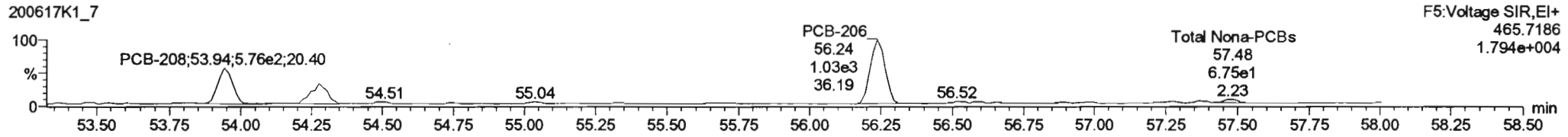
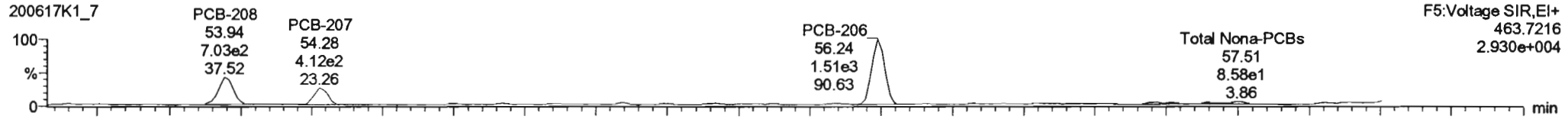


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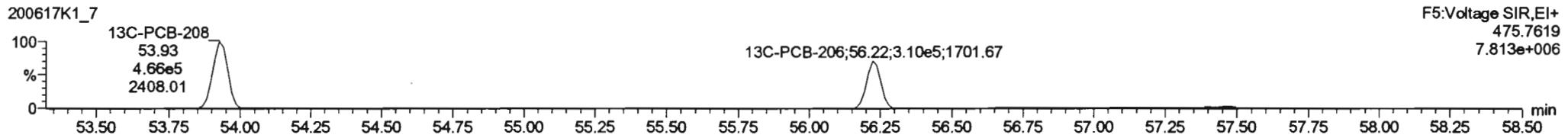
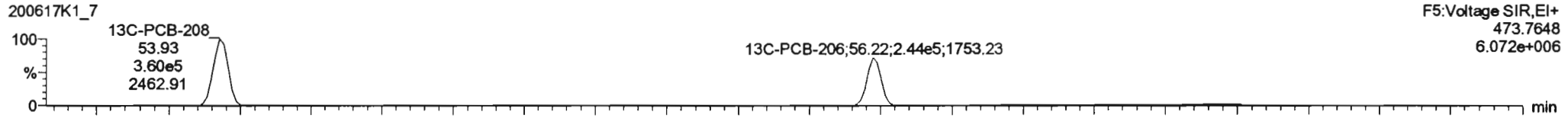
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_7, Date: 17-Jun-2020, Time: 19:23:00, ID: 2001133-01 PDI-166SC-A-00-01-200520 10, Description: PDI-166SC-A-00-01-200520

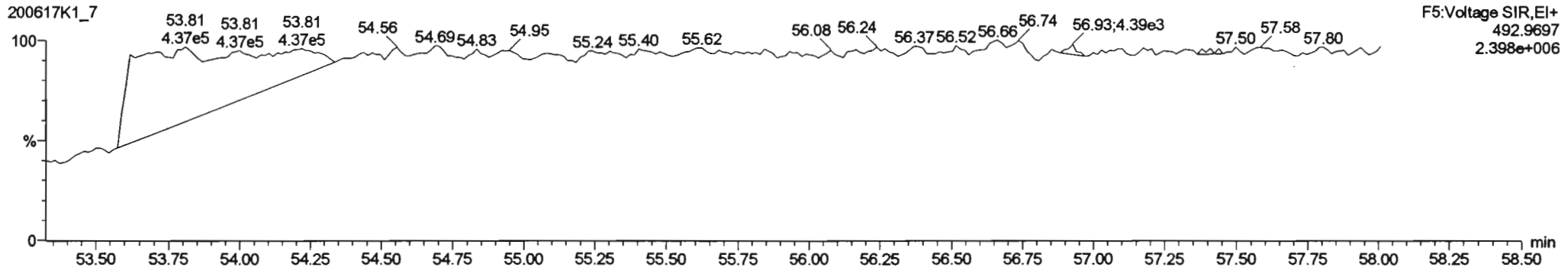
**PCB-208**



**13C-PCB-208**

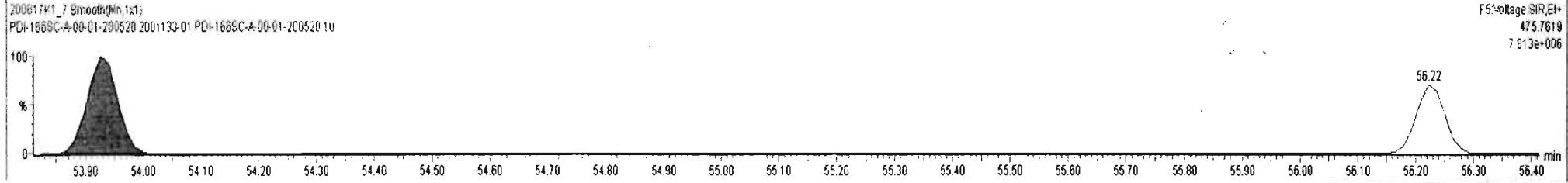
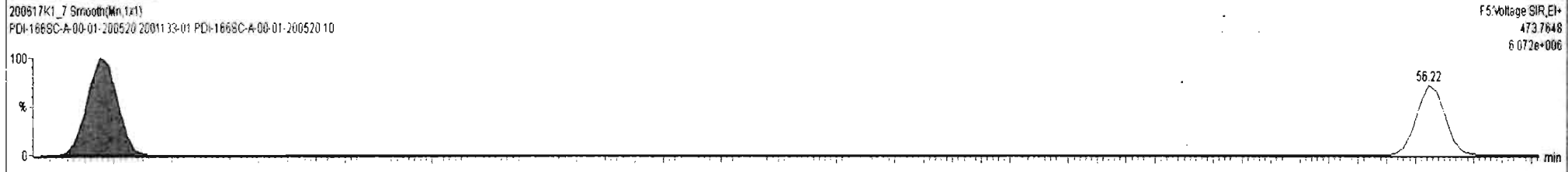
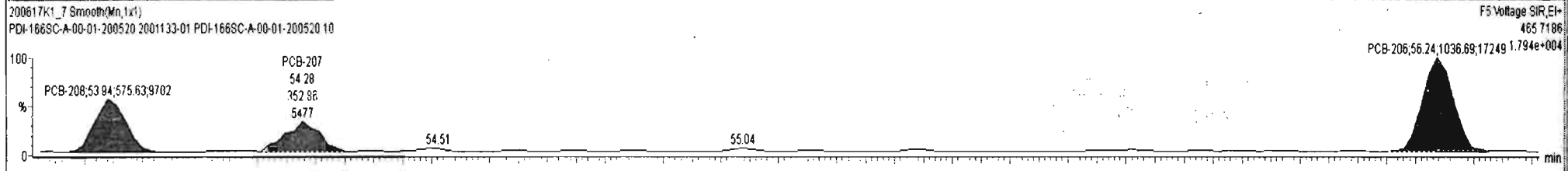
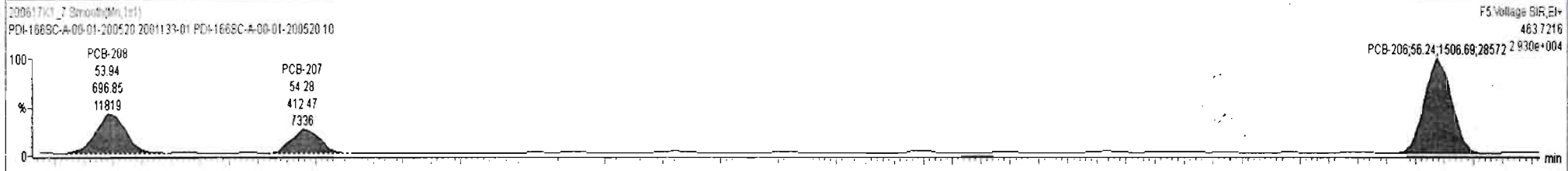


**PFK5**



#	Name	Resp	RA	n/y	RRF	wtAol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
235	235 5th Function Octa-PCBs				1.1499	5.124	0.00		0.000		NO	25.17		0.858	36.46
236	236 Total Nona-PCBs				0.9523	5.124	0.00		0.000		NO	14.08		0.752	14.08
237	237 Deca-CB				0.9864	5.124	0.00		0.000		NO	9.965		0.157	9.965

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1 PCB-208	53.94	53.94	6.969e2	5.758e2	1.340	1.21	NO	3.2222	3.2222
2	1 PCB-207	54.26	54.26	4.125e2	3.529e2	1.340	1.17	NO	1.9735	1.9735
3	1 PCB-206	56.24	56.24	1.507e3	1.037e3	1.340	1.45	NO	8.8806	8.8806



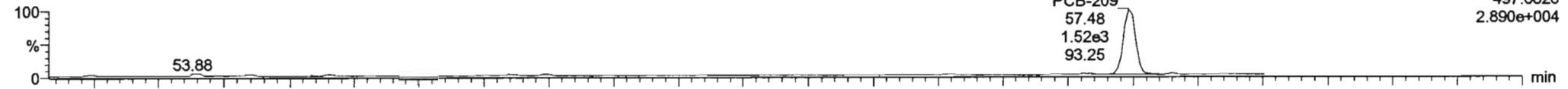
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

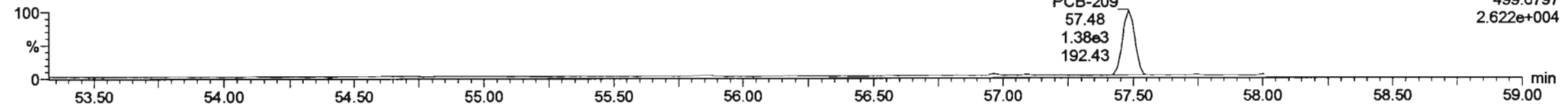
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**PCB-209**

200617K1\_7

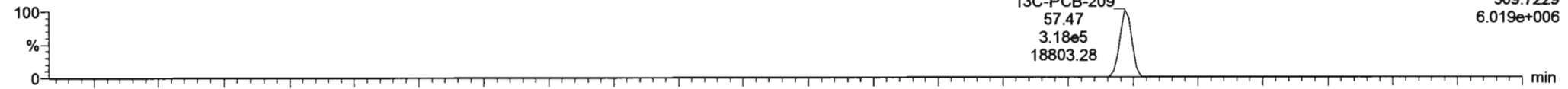


200617K1\_7

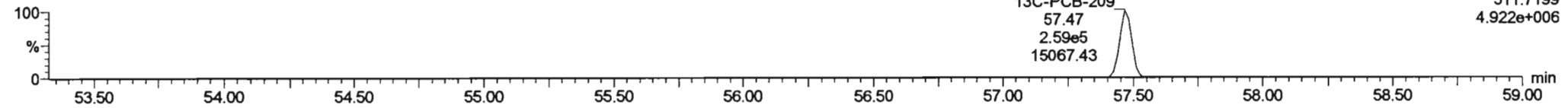


**13C-PCB-209**

200617K1\_7

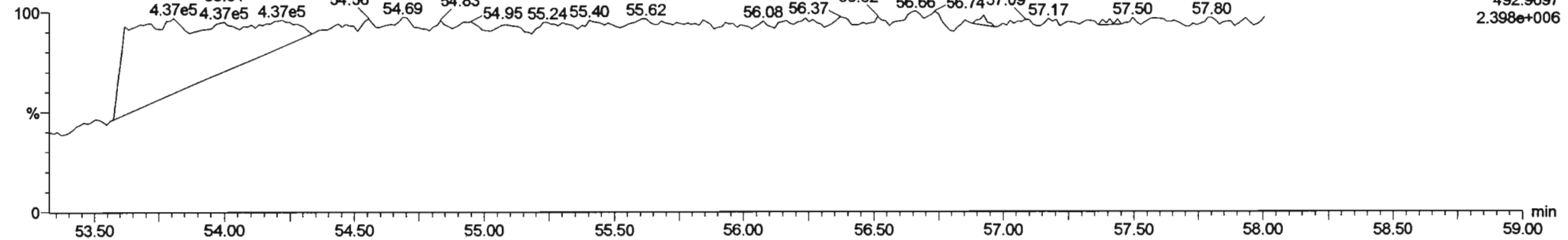


200617K1\_7



**PFK5b**

200617K1\_7





Dataset: U:\VG11.PRO\Results\200617K1\200617K1-5.qld

Last Altered: Friday, June 26, 2020 4:17:03 PM Pacific Daylight Time

Printed: Friday, June 26, 2020 4:23:09 PM Pacific Daylight Time

*dy* 06-26-2020

0707/08/2020

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: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.25e3	5.91	YES	1.17	5.008	15.53	15.54	1.001	1.001	NO	2.101		0.418	1.256
2	2 PCB-2	6.28e2	2.17	YES	1.18	5.008	17.94	17.94	0.988	0.988	NO	0.9750		0.387	0.8786
3	3 PCB-3	1.27e3	3.81	YES	1.15	5.008	18.17	18.18	1.001	1.001	NO	2.024		0.499	1.739
4	4 PCB-4/10			NO	1.25	5.008	19.59		1.004		YES			1.74	
5	5 PCB-7/9			NO	0.960	5.008	21.38		1.003		YES			1.43	
6	6 PCB-6			NO	1.02	5.008	22.04		1.033		YES			1.35	
7	7 PCB-5/8	6.16e3	1.62	NO	0.992	5.008	22.44	22.44	1.052	1.052	NO	9.667		0.195	9.667
8	8 PCB-14			NO	1.02	5.008	23.60		0.952		YES			1.34	
9	9 PCB-11	5.06e3	1.48	NO	1.13	5.008	24.82	24.83	1.001	1.001	NO	6.506		0.170	6.506
10	10 PCB-12/13			NO	1.03	5.008	25.26		1.018		YES			1.33	
11	11 PCB-15	5.31e3	1.75	NO	1.03	5.008	25.57	25.54	1.031	1.030	NO	7.436		0.185	7.436
12	12 PCB-19	1.25e3	1.04	NO	1.11	5.008	23.78	23.77	1.001	1.001	NO	4.037		1.01	4.037
13	13 PCB-30			NO	1.79	5.008	24.68		1.039		YES			0.625	
14	14 PCB-18	9.40e3	1.11	NO	0.818	5.008	25.45	25.46	0.952	0.952	NO	26.82		0.897	26.82
15	15 PCB-17	5.91e3	1.01	NO	0.758	5.008	25.63	25.63	0.958	0.958	NO	18.20		0.967	18.20
16	16 PCB-24/27			NO	1.08	5.008	26.24		0.981		YES			0.678	
17	17 PCB-16/32	8.10e3	1.12	NO	0.925	5.008	26.76	26.76	1.001	1.001	NO	20.42		0.793	20.42
18	18 PCB-34			NO	0.945	5.008	27.56		0.959		YES			0.767	
19	19 PCB-23			NO	0.883	5.008	27.65		0.962		YES			0.822	
20	20 PCB-29			NO	0.893	5.008	27.91		0.971		YES			0.813	
21	21 PCB-26	7.83e3	1.03	NO	0.944	5.008	28.14	28.14	0.979	0.979	NO	12.52		0.769	12.52
22	22 PCB-25	4.25e3	0.92	NO	0.950	5.008	28.29	28.31	0.984	0.984	NO	6.753		0.764	6.753
23	23 PCB-31	2.13e4	1.06	NO	1.04	5.008	28.66	28.68	0.997	0.997	NO	30.98		0.700	30.98
24	24 PCB-28	2.94e4	1.12	NO	1.03	5.008	28.77	28.77	1.001	1.001	NO	43.30		0.708	43.30
25	25 PCB-20/21/33	1.09e4	1.17	NO	0.941	5.008	29.41	29.44	1.023	1.024	NO	17.50		0.771	17.50
26	26 PCB-22	7.23e3	1.10	NO	0.973	5.008	29.85	29.87	1.038	1.039	NO	11.21		0.746	11.21
27	27 PCB-36			NO	1.08	5.008	30.52		0.931		YES			0.704	
28	28 PCB-39			NO	0.988	5.008	31.00		0.946		YES			0.767	
29	29 PCB-38			NO	1.05	5.008	31.80		0.970		YES			0.720	
30	30 PCB-35			NO	1.04	5.008	32.34		0.987		YES			0.726	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-5.qld

Last Altered: Friday, June 26, 2020 4:17:03 PM Pacific Daylight Time

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Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F004-DUP1 Duplicate 10, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	31 PCB-37	8.47e3	1.18	NO	1.01	5.008	32.79	32.79	1.001	1.001	NO	13.34		0.751	13.34
32	32 PCB-54	6.37e2	0.69	NO	1.08	5.008	27.62	27.64	1.001	1.001	NO	1.490		0.363	1.490
33	33 PCB-50			NO	0.880	5.008	28.81		1.044		YES			0.446	
34	34 PCB-53	6.62e3	0.78	NO	0.997	5.008	29.50	29.50	0.944	0.944	NO	19.24		0.469	19.24
35	35 PCB-51	3.91e3	0.79	NO	1.07	5.008	29.84	29.85	0.955	0.955	NO	10.63		0.439	10.63
36	36 PCB-45	2.32e3	0.71	NO	0.858	5.008	30.29	30.28	0.969	0.969	NO	7.844		0.545	7.844
37	37 PCB-46	1.19e3	0.83	NO	0.831	5.008	30.78	30.80	0.985	0.986	NO	4.148		0.563	4.148
38	38 PCB-52/69	4.58e4	0.76	NO	1.17	5.008	31.28	31.28	1.001	1.001	NO	113.9		0.401	113.9
39	39 PCB-73			NO	1.44	5.008	31.39		1.005		YES			0.324	
40	40 PCB-43/49	2.88e4	0.77	NO	1.02	5.008	31.57	31.60	1.010	1.011	NO	82.18		0.460	82.18
41	41 PCB-47	1.39e4	0.79	NO	0.922	5.008	31.80	31.82	1.001	1.001	NO	40.24		0.477	40.24
42	42 PCB-48/75	4.51e3	0.66	NO	1.12	5.008	31.92	31.93	1.004	1.005	NO	10.75		0.393	10.75
43	43 PCB-65			NO	1.28	5.008	32.19		1.013		YES			0.343	
44	44 PCB-62			NO	1.13	5.008	32.29		1.016		YES			0.390	
45	45 PCB-44	2.10e4	0.78	NO	0.824	5.008	32.64	32.64	1.027	1.027	NO	68.03		0.534	68.03
46	46 PCB-42/59	8.39e3	0.73	NO	1.05	5.008	32.87	32.86	1.034	1.034	NO	21.33		0.419	21.33
47	47 PCB-41/64/71/72	2.58e4	0.78	NO	1.19	5.008	33.47	33.46	1.053	1.053	NO	58.06		0.371	58.06
48	48 PCB-68	8.48e2	0.52	YES	1.28	5.008	33.72	33.70	1.061	1.060	NO	1.772		0.324	1.389
49	49 PCB-40	3.03e3	0.86	NO	0.602	5.008	33.95	33.94	1.068	1.068	NO	13.43		0.731	13.43
50	50 PCB-57	4.02e2	1.15	YES	1.16	5.008	34.30	34.30	0.969	0.969	NO	0.7972		0.312	0.6570
51	51 PCB-67	9.53e2	0.79	NO	1.08	5.008	34.62	34.63	0.978	0.978	NO	2.030		0.335	2.030
52	52 PCB-58	3.57e2	0.73	NO	1.20	5.008	34.74	34.74	0.982	0.982	NO	0.6847		0.302	0.6847
53	53 PCB-63	1.56e3	0.62	YES	1.07	5.008	34.90	34.91	0.986	0.986	NO	3.270		0.329	2.967
54	54 PCB-74	1.76e4	0.71	NO	1.19	5.008	35.20	35.19	0.994	0.994	NO	34.23		0.306	34.23
55	55 PCB-61/70	4.40e4	0.76	NO	1.05	5.008	35.41	35.41	1.000	1.001	NO	96.33		0.345	96.33
56	56 PCB-76/66	3.25e4	0.82	NO	1.16	5.008	35.60	35.64	1.006	1.007	NO	64.46		0.312	64.46
57	57 PCB-80			NO	1.19	5.008	35.84		1.001		YES			0.302	
58	58 PCB-55			NO	1.17	5.008	36.16		1.010		YES			0.306	
59	59 PCB-56/60	1.61e4	0.79	NO	1.02	5.008	36.68	36.68	1.024	1.024	NO	35.33		0.352	35.33
60	60 PCB-79	8.64e2	0.73	NO	1.14	5.008	37.78	37.81	1.055	1.056	NO	1.692		0.315	1.692
61	61 PCB-78			NO	1.14	5.008	38.50		0.987		YES			0.346	
62	62 PCB-81	1.51e2	0.71	NO	1.05	5.008	39.04	39.08	1.000	1.001	NO	0.3349		0.376	0.3349
63	63 PCB-77	2.98e3	0.74	NO	1.14	5.008	39.68	39.66	1.000	1.000	NO	6.264		0.353	6.264

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-5.qld

Last Altered: Friday, June 26, 2020 4:17:03 PM Pacific Daylight Time

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Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
64	64 PCB-104	1.34e2	1.68	NO	1.12	5.008	32.49	32.51	1.001	1.001	NO	0.5141		0.429	0.5141
65	65 PCB-96			NO	1.15	5.008	33.81		1.041		YES			0.417	
66	66 PCB-103			NO	0.936	5.008	34.38		1.059		YES			0.514	
67	67 PCB-100			NO	0.954	5.008	34.73		1.069		YES			0.504	
68	68 PCB-94	4.67e2	1.42	NO	0.949	5.008	35.19	35.17	0.985	0.985	NO	2.694		0.677	2.694
69	69 PCB-95/98/102	3.28e4	1.63	NO	1.20	5.008	35.67	35.73	0.999	1.001	NO	149.3		0.534	149.3
70	70 PCB-93			NO	0.935	5.008	35.79		1.002		YES			0.687	
71	71 PCB-88/91	5.73e3	1.57	NO	1.06	5.008	36.14	36.14	1.012	1.012	NO	29.45		0.604	29.45
72	72 PCB-121													0.376	
73	73 PCB-84/92	1.42e4	1.75	NO	1.02	5.008	37.08	37.07	0.990	0.990	NO	76.04		0.630	76.04
74	74 PCB-89			NO	1.11	5.008	37.25		0.995		YES			0.580	
75	75 PCB-90/101	4.25e4	1.60	NO	1.12	5.008	37.46	37.48	1.000	1.001	NO	206.8		0.571	206.8
76	76 PCB-113			NO	1.51	5.008	37.70		1.007		YES			0.424	
77	77 PCB-99	1.60e4	1.70	NO	1.32	5.008	37.79	37.81	1.009	1.010	NO	65.95		0.485	65.95
78	78 PCB-119	2.11e3	1.65	NO	1.81	5.008	38.28	38.28	0.987	0.987	NO	7.243		0.410	7.243
79	79 PCB-108/112	1.29e3	1.87	YES	1.44	5.008	38.44	38.45	0.991	0.991	NO	5.534		0.512	4.937
80	80 PCB-83													0.404	
81	81 PCB-97	6.99e3	1.40	NO	1.28	5.008	38.80	38.82	1.000	1.001	NO	33.73		0.577	33.73
82	82 PCB-86			NO	1.12	5.008	38.95		1.004		YES			0.662	
83	83 PCB-87/117/125	1.00e4	1.47	NO	1.56	5.008	39.10	39.12	1.008	1.009	NO	39.69		0.474	39.69
84	84 PCB-111/115	3.41e2	2.01	YES	1.91	5.008	39.25	39.27	1.012	1.012	NO	1.105		0.387	0.9400
85	85 PCB-85/116	3.60e3	1.56	NO	1.41	5.008	39.38	39.38	1.015	1.015	NO	15.78		0.524	15.78
86	86 PCB-120	2.69e2	1.00	YES	2.01	5.008	39.64	39.64	1.022	1.022	NO	0.8306		0.369	0.6815
87	87 PCB-110	4.12e4	1.50	NO	1.74	5.008	39.77	39.79	1.026	1.026	NO	146.4		0.424	146.4
88	88 PCB-82	1.96e3	1.30	YES	0.781	5.008	40.44	40.44	0.976	0.976	NO	11.27		0.673	10.47
89	89 PCB-124	1.10e3	1.48	NO	1.40	5.008	41.15	41.13	0.993	0.992	NO	3.534		0.377	3.534
90	90 PCB-107/109	2.08e3	1.51	NO	1.34	5.008	41.29	41.31	0.996	0.997	NO	6.985		0.392	6.985
91	91 PCB-123	2.82e2	0.91	YES	1.20	5.008	41.46	41.46	1.000	1.000	NO	1.081		0.489	0.8307
92	92 PCB-106/118	2.45e4	1.66	NO	1.22	5.008	41.67	41.65	1.001	1.000	NO	87.35		0.427	87.35
93	93 PCB-114	7.76e2	1.03	YES	1.14	5.008	42.33	42.32	1.000	1.000	NO	1.608		0.362	1.340
94	94 PCB-122	4.13e2	1.29	YES	0.944	5.008	42.47	42.46	1.004	1.004	NO	1.035		0.365	0.9552
95	95 PCB-105	1.06e4	1.55	NO	1.05	5.008	43.21	43.21	1.000	1.000	NO	23.79		0.335	23.79
96	96 PCB-127			NO	1.06	5.008	43.55		1.000		YES			0.320	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-5.qld

Last Altered: Friday, June 26, 2020 4:17:03 PM Pacific Daylight Time

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Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
97	97 PCB-126			NO	1.17	5.008	45.52		1.000		YES			0.322	
98	98 PCB-155			NO	1.04	5.008	37.00		1.000		YES			0.294	
99	99 PCB-150	9.25e1	2.60	YES	1.08	5.008	38.32	38.30	1.036	1.036	NO	0.7429		0.283	0.4616
100	1... PCB-152			NO	1.19	5.008	38.80		1.049		YES			0.259	
101	1... PCB-145			NO	1.19	5.008	39.27		1.062		YES			0.258	
102	1... PCB-136	5.22e3	1.38	NO	1.02	5.008	39.60	39.58	1.071	1.070	NO	44.49		0.301	44.49
103	1... PCB-148			NO	0.842	5.008	39.71		1.074		YES			0.365	
104	1... PCB-154	6.86e2	1.40	NO	0.919	5.008	40.22	40.22	1.088	1.088	NO	6.497		0.334	6.497
105	1... PCB-151	6.65e3	1.32	NO	0.787	5.008	40.88	40.87	1.105	1.105	NO	73.61		0.390	73.61
106	1... PCB-135	2.84e3	1.29	NO	0.922	5.008	41.09	41.09	1.111	1.111	NO	26.85		0.333	26.85
107	1... PCB-144	1.14e3	1.39	NO	0.789	5.008	41.20	41.18	1.114	1.114	NO	12.55		0.389	12.55
108	1... PCB-147	3.14e2	2.00	YES	0.834	5.008	41.33	41.33	1.118	1.118	NO	3.276		0.368	2.447
109	1... PCB-139/149	1.95e4	1.32	NO	0.948	5.008	41.62	41.59	1.125	1.125	NO	179.1		0.324	179.1
110	1... PCB-140	1.20e2	0.91	YES	0.794	5.008	41.80	41.78	1.130	1.130	NO	1.319		0.367	1.133
111	1... PCB-134/143	2.67e3	1.40	NO	0.759	5.008	42.28	42.27	0.975	0.975	NO	10.68		0.528	10.68
112	1... PCB-131/133	1.41e3	1.13	NO	0.821	5.008	42.58	42.55	0.982	0.981	NO	5.213		0.488	5.213
113	1... PCB-142			NO	0.754	5.008	42.72		0.985		YES			0.531	
114	1... PCB-146/165	1.04e4	1.17	NO	1.02	5.008	42.97	42.97	0.991	0.991	NO	31.06		0.394	31.06
115	1... PCB-132/161	1.59e4	1.26	NO	1.02	5.008	43.20	43.25	0.996	0.997	NO	47.06		0.391	47.06
116	1... PCB-153	6.03e4	1.27	NO	1.07	5.008	43.38	43.38	1.000	1.000	NO	170.8		0.374	170.8
117	1... PCB-168	1.98e2	0.95	YES	1.08	5.008	43.61	43.65	1.006	1.007	NO	0.5573		0.372	0.4910
118	1... PCB-141	9.50e3	1.19	NO	1.03	5.008	44.14	44.14	1.000	1.000	NO	33.28		0.455	33.28
119	1... PCB-137	9.77e2	1.12	NO	1.11	5.008	44.54	44.54	1.010	1.009	NO	3.164		0.421	3.164
120	1... PCB-130	2.56e3	1.34	NO	0.885	5.008	44.64	44.63	1.012	1.012	NO	10.38		0.528	10.38
121	1... PCB-138/163/164	5.40e4	1.25	NO	1.28	5.008	45.03	45.03	1.001	1.001	NO	147.8		0.364	147.8
122	1... PCB-158/160	4.60e3	1.21	NO	1.24	5.008	45.28	45.26	1.006	1.006	NO	13.02		0.377	13.02
123	1... PCB-129	9.03e2	1.17	NO	0.867	5.008	45.54	45.53	1.012	1.012	NO	3.662		0.539	3.662
124	1... PCB-166			NO	1.14	5.008	46.01		0.993		YES			0.344	
125	1... PCB-159			NO	1.22	5.008	46.34		1.000		YES			0.323	
126	1... PCB-128/162	4.84e3	1.21	NO	0.907	5.008	46.63	46.62	1.007	1.007	NO	15.49		0.433	15.49
127	1... PCB-167	1.56e3	1.04	YES	1.11	5.008	47.04	47.04	1.000	1.000	NO	4.126		0.363	3.799
128	1... PCB 156	3.87e3	1.42	NO	1.13	5.008	48.37	48.37	1.000	1.000	NO	10.30		0.355	10.30
129	1... PCB-157	5.17e2	1.79	YES	1.04	5.008	48.67	48.65	1.001	1.000	NO	1.492		0.295	1.199



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-5.qld

Last Altered: Friday, June 26, 2020 4:17:03 PM Pacific Daylight Time  
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Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
130	1... PCB-169			NO	1.16	5.008	50.93		1.000		YES			0.360	
131	1... PCB-188			NO	1.29	5.008	43.01		1.001		YES			0.307	
132	1... PCB-184			NO	1.23	5.008	43.44		1.011		YES			0.322	
133	1... PCB-179	8.11e3	1.14	NO	1.30	5.008	44.26	44.26	1.030	1.030	NO	27.45		0.305	27.45
134	1... PCB-176	2.10e3	1.02	NO	1.31	5.008	44.72	44.75	1.041	1.041	NO	7.050		0.303	7.050
135	1... PCB-186			NO	1.33	5.008	45.35		1.055		YES			0.298	
136	1... PCB-178	2.54e3	0.94	NO	0.943	5.008	45.87	45.88	1.067	1.068	NO	11.84		0.420	11.84
137	1... PCB-175	4.60e2	1.02	NO	0.956	5.008	46.22	46.23	1.076	1.076	NO	2.116		0.414	2.116
138	1... PCB-182/187	1.59e4	0.97	NO	1.07	5.008	46.40	46.40	1.080	1.080	NO	65.58		0.372	65.58
139	1... PCB-183	6.44e3	1.06	NO	1.02	5.008	46.74	46.74	1.088	1.088	NO	27.66		0.387	27.66
140	1... PCB-185	1.32e3	1.06	NO	1.41	5.008	47.42	47.42	0.955	0.955	NO	6.099		0.415	6.099
141	1... PCB-174	1.12e4	1.03	NO	1.35	5.008	47.81	47.80	0.962	0.962	NO	53.85		0.431	53.85
142	1... PCB-181			NO	1.47	5.008	47.90		0.964		YES			0.396	
143	1... PCB-177	5.95e3	1.04	NO	1.28	5.008	48.06	48.08	0.968	0.968	NO	30.30		0.457	30.30
144	1... PCB-171	2.69e3	1.31	YES	1.32	5.008	48.36	48.39	0.974	0.974	NO	13.30		0.443	11.80
145	1... PCB-173	1.97e2	1.48	YES	1.19	5.008	48.80	48.82	0.983	0.983	NO	1.078		0.430	0.8912
146	1... PCB-172	1.45e3	1.00	NO	1.38	5.008	49.28	49.28	0.992	0.992	NO	6.867		0.424	6.867
147	1... PCB-192			NO	1.83	5.008	49.47		0.996		YES			0.319	
148	1... PCB-180	2.26e4	1.05	NO	1.41	5.008	49.69	49.69	1.000	1.000	NO	104.1		0.413	104.1
149	1... PCB-193	1.45e3	0.88	YES	1.68	5.008	49.90	49.92	1.005	1.005	NO	5.811		0.248	5.138
150	1... PCB-191	5.44e2	0.90	NO	1.71	5.008	50.17	50.17	1.010	1.010	NO	2.070		0.341	2.070
151	1... PCB-170	7.53e3	1.00	NO	1.40	5.008	51.36	51.38	1.000	1.001	NO	39.82		0.478	39.82
152	1... PCB-190	1.96e3	0.97	NO	1.85	5.008	51.55	51.57	1.004	1.004	NO	7.847		0.362	7.847
153	1... PCB-189	3.06e2	1.40	YES	1.45	5.008	53.09	53.08	1.000	1.000	NO	1.183		0.298	1.011
154	1... PCB-202	7.15e2	0.76	NO	1.17	5.008	48.61	48.59	1.001	1.000	NO	4.285		0.298	4.285
155	1... PCB-201	3.53e2	1.02	NO	1.05	5.008	49.10	49.11	1.011	1.011	NO	2.348		0.331	2.348
156	1... PCB-204			NO	1.14	5.008	49.25		1.014		YES			0.305	
157	1... PCB-197	2.37e2	0.48	YES	1.13	5.008	49.57	49.58	1.020	1.021	NO	1.463		0.307	1.011
158	1... PCB-200	4.70e2	1.57	YES	1.07	5.008	50.50	50.51	1.040	1.040	NO	3.071		0.325	2.258
159	1... PCB-198			NO	0.794	5.008	52.08		1.072		YES			0.439	
160	1... PCB-199	2.93e3	0.97	NO	0.809	5.008	52.18	52.19	1.074	1.075	NO	25.31		0.430	25.31
161	1... PCB-196/203	3.13e3	0.81	NO	0.838	5.008	52.50	52.50	1.081	1.081	NO	26.13		0.415	26.13
162	1... PCB-195	1.80e3	0.95	NO	1.04	5.008	53.78	53.78	0.984	0.983	NO	7.187		0.535	7.187

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-5.qld

Last Altered: Friday, June 26, 2020 4:17:03 PM Pacific Daylight Time

Printed: Friday, June 26, 2020 4:23:09 PM Pacific Daylight Time

Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
163	1... PCB-194	5.14e3	0.89	NO	1.12	5.008	54.70	54.70	1.000	1.000	NO	19.24		0.501	19.24
164	1... PCB-205	2.11e2	0.82	NO	1.29	5.008	54.97	54.98	1.005	1.005	NO	0.6847		0.433	0.6847
165	1... PCB-208	8.58e2	1.35	NO	0.933	5.008	53.94	53.94	1.000	1.000	NO	3.163		0.172	3.163
166	1... PCB-207	4.28e2	1.38	NO	0.916	5.008	54.26	54.28	1.006	1.007	NO	1.606		0.175	1.606
167	1... PCB-206	2.10e3	1.27	NO	1.01	5.008	56.24	56.24	1.000	1.000	NO	10.35		0.222	10.35
168	1... PCB-209	1.37e3	1.00	NO	0.986	5.008	57.47	57.47	1.000	1.000	NO	7.594		0.243	7.594
169	1... 13C-PCB-1	1.02e6	3.27	NO	0.893	5.008	15.51	15.52	0.608	0.608	NO	1449	72.6	1.48	
170	1... 13C-PCB-3	1.09e6	3.28	NO	0.911	5.008	18.16	18.16	0.712	0.712	NO	1522	76.2	1.45	
171	1... 13C-PCB-4	7.81e5	1.63	NO	0.600	5.008	19.51	19.51	0.765	0.765	NO	1658	83.0	0.835	
172	1... 13C-PCB-9	1.28e6	1.60	NO	0.970	5.008	21.34	21.33	0.836	0.836	NO	1684	84.3	0.516	
173	1... 13C-PCB-11	1.38e6	1.59	NO	0.962	5.008	24.78	24.80	0.971	0.972	NO	1824	91.3	0.521	
174	1... 13C-PCB-19	5.57e5	1.07	NO	0.499	5.008	23.75	23.75	0.931	0.931	NO	1422	71.2	9.56	
175	1... 13C-PCB-32	8.55e5	1.06	NO	0.744	5.008	26.73	26.74	1.048	1.048	NO	1464	73.3	6.41	
176	1... 13C-PCB-28	1.32e6	1.03	NO	1.06	5.008	28.75	28.75	1.004	1.004	NO	1944	97.4	6.67	
177	1... 13C-PCB-37	1.26e6	1.04	NO	0.989	5.008	32.73	32.77	1.143	1.144	NO	1986	99.5	7.18	
178	1... 13C-PCB-54	7.90e5	0.79	NO	0.999	5.008	27.62	27.60	0.753	0.752	NO	1771	88.7	2.12	
179	1... 13C-PCB-52	6.89e5	0.79	NO	0.804	5.008	31.26	31.25	0.852	0.852	NO	1917	96.0	2.64	
180	1... 13C-PCB-47	7.48e5	0.78	NO	0.857	5.008	31.78	31.78	0.856	0.867	NO	1953	97.8	2.48	
181	1... 13C-PCB-70	8.65e5	0.80	NO	0.996	5.008	35.41	35.40	0.965	0.965	NO	1945	97.4	2.13	
182	1... 13C-PCB-80	8.95e5	0.79	NO	1.03	5.008	35.84	35.82	0.977	0.977	NO	1950	97.7	2.06	
183	1... 13C-PCB-81	8.61e5	0.78	NO	0.988	5.008	39.04	39.02	1.064	1.064	NO	1952	97.8	2.15	
184	1... 13C-PCB-77	8.34e5	0.80	NO	0.969	5.008	39.66	39.66	1.081	1.081	NO	1928	96.6	2.19	
185	1... 13C-PCB-104	4.64e5	1.82	NO	1.02	5.008	32.46	32.47	0.827	0.827	NO	1877	94.0	0.978	
186	1... 13C-PCB-95	3.65e5	1.64	NO	0.805	5.008	35.71	35.71	0.910	0.910	NO	1861	93.2	1.23	
187	1... 13C-PCB-101	3.66e5	1.55	NO	0.793	5.008	37.46	37.44	0.954	0.954	NO	1897	95.0	1.25	
188	1... 13C-PCB-97	3.23e5	1.67	NO	0.696	5.008	38.80	38.78	0.989	0.988	NO	1905	95.4	1.43	
189	1... 13C-PCB-123	4.44e5	1.64	NO	0.933	5.008	41.44	41.44	1.056	1.056	NO	1954	97.9	1.07	
190	1... 13C-PCB-118	4.59e5	1.59	NO	0.986	5.008	41.63	41.63	1.061	1.061	NO	1914	95.9	1.01	
191	1... 13C-PCB-114	8.45e5	1.58	NO	1.55	5.008	42.29	42.30	0.908	0.908	NO	2193	110	1.38	
192	1... 13C-PCB-105	8.46e5	1.56	NO	1.57	5.008	43.17	43.19	0.927	0.927	NO	2162	108	1.36	
193	1... 13C-PCB-127	8.85e5	1.60	NO	1.62	5.008	43.53	43.54	0.934	0.935	NO	2186	110	1.32	
194	1... 13C-PCB-126	7.99e5	1.57	NO	1.57	5.008	45.49	45.51	0.976	0.977	NO	2045	102	1.36	
195	1... 13C-PCB-155	2.29e5	1.31	NO	0.615	5.008	36.98	36.98	0.942	0.942	NO	1534	76.8	0.740	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-5.qld

Last Altered: Friday, June 26, 2020 4:17:03 PM Pacific Daylight Time

Printed: Friday, June 26, 2020 4:23:09 PM Pacific Daylight Time

Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
196	1... 13C-PCB-153	6.58e5	1.28	NO	1.36	5.008	43.34	43.37	0.930	0.931	NO	1937	97.0	1.54	
197	1... 13C-PCB-141	5.55e5	1.28	NO	1.13	5.008	44.11	44.12	0.947	0.947	NO	1977	99.0	1.87	
198	1... 13C-PCB-138	5.68e5	1.26	NO	1.18	5.008	44.97	44.99	0.965	0.966	NO	1926	96.5	1.78	
199	1... 13C-PCB-159	6.88e5	1.27	NO	1.44	5.008	46.30	46.32	0.994	0.994	NO	1919	96.1	1.46	
200	2... 13C-PCB-167	6.80e5	1.27	NO	1.44	5.008	47.01	47.02	1.009	1.009	NO	1896	95.0	1.46	
201	2... 13C-PCB-156	6.66e5	1.31	NO	1.40	5.008	48.32	48.35	1.037	1.038	NO	1915	95.9	1.51	
202	2... 13C-PCB-157	6.66e5	1.27	NO	1.40	5.008	48.61	48.63	1.043	1.044	NO	1913	95.8	1.51	
203	2... 13C-PCB-169	6.55e5	1.24	NO	1.33	5.008	50.89	50.91	1.092	1.093	NO	1976	99.0	1.58	
204	2... 13C-PCB-188	4.54e5	0.46	NO	1.41	5.008	42.98	42.97	0.926	0.926	NO	1977	99.0	1.17	
205	2... 13C-PCB-180	3.07e5	0.45	NO	0.929	5.008	49.67	49.67	1.070	1.070	NO	2026	101	1.77	
206	2... 13C-PCB-170	2.70e5	0.47	NO	0.794	5.008	51.35	51.34	1.106	1.106	NO	2083	104	2.07	
207	2... 13C-PCB-189	3.56e5	0.45	NO	1.04	5.008	53.09	53.06	1.144	1.143	NO	2090	105	1.57	
208	2... 13C-PCB-202	2.85e5	0.93	NO	1.04	5.008	48.57	48.58	1.046	1.047	NO	1689	84.6	1.21	
209	2... 13C-PCB-194	4.78e5	0.88	NO	0.768	5.008	54.71	54.69	0.995	0.995	NO	1859	93.1	1.97	
210	2... 13C-PCB-208	5.80e5	0.80	NO	0.991	5.008	53.93	53.93	0.981	0.981	NO	1750	87.7	1.91	
211	2... 13C-PCB-206	4.02e5	0.81	NO	0.552	5.008	56.22	56.22	1.023	1.023	NO	2174	109	3.43	
212	2... 13C-PCB-209	3.66e5	1.23	NO	0.396	5.008	57.48	57.47	1.046	1.046	NO	2761	138	0.581	
213	2... 13C-PCB-15	1.57e6	1.60	NO	1.00	5.008	25.51	25.51	1.000	0.000	NO	1997	100	0.501	
214	2... 13C-PCB-31	1.28e6	1.04	NO	1.00	5.008	28.64	28.64	1.000	0.000	NO	1997	100	7.10	
215	2... 13C-PCB-60	8.92e5	0.80	NO	1.00	5.008	36.66	36.68	1.000	0.000	NO	1997	100	2.12	
216	2... 13C-PCB-111	4.86e5	1.70	NO	1.00	5.008	39.23	39.25	1.000	0.000	NO	1997	100	0.994	
217	2... 13C-PCB-128	4.97e5	1.29	NO	1.00	5.008	46.59	46.59	1.000	0.000	NO	1997	100	2.10	
218	2... 13C-PCB-182	3.26e5	0.45	NO	1.00	5.008	46.40	46.42	0.000	0.000	NO	1997	100	1.64	
219	2... 13C-PCB-205	6.68e5	0.90	NO	1.00	5.008	54.97	54.97	1.000	0.000	NO	1997	100	1.52	
220	2... 13C-PCB-79	9.27e5	0.80	NO	1.07	5.008	37.78	37.78	1.030	1.030	NO	1941	97.2	1.99	
221	2... 13C-PCB-178	3.11e5	0.46	NO	0.766	5.008	45.86	45.87	0.988	0.988	NO	1632	81.7	1.51	
222	2... 13C-PCB-79	9.27e5	0.80	NO	1.08	5.008	37.76	37.78	0.968	0.968	NO	1985	99.4	2.17	
223	2... 13C-PCB-178	3.12e5	0.46	NO	1.05	5.008	45.85	45.87	0.923	0.923	NO	1933	96.8	1.72	
224	2... Total Mono-PCBs				1.17	5.008	0.00		0.000		NO	0.0000		1.22	3.873
225	2... Total Di-PCBs				1.05	5.008	0.00		0.000		NO	23.61		7.74	23.61
226	2... 2nd Function Tri-PCBs				1.08	5.008	0.00		0.000		NO	69.48		4.97	69.48
227	2... 3rd Function Tri-PCBs				0.983	5.008	0.00		0.000		NO	135.6		10.5	135.6
228	2... Total Tetra-PCBs				1.08	5.008	0.00		0.000		NO	692.6		12.6	697.6

205.08

205.08

Dataset: U:\WG11.PRO\Results\200617K1\200617K1-5.qld

Last Altered: Friday, June 26, 2020 4:17:03 PM Pacific Daylight Time

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Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
229	2... 3rd Function Penta-PCBs				1.32	5.008	0.00		0.000		NO	871.4	> 895.39	13.7	889.3 > 915.58
230	2... 4th Function Penta-PCBs				1.07	5.008	0.00		0.000		NO	23.79		1.64	26.08
231	2... 3rd Function Hexa-PCBs				0.951	5.008	0.00		0.000		NO	343.1	> 845	4.28	347.1 > 854.5
232	2... 4th Function Hexa-PCBs				1.03	5.008	0.00		0.000		NO	501.9		8.33	507.4
233	2... Total Hepta-PCBs				1.36	5.008	0.00		0.000		NO	392.7		8.75	411.5
234	2... 4th Function Octa-PCBs				1.00	5.008	0.00		0.000		NO	58.07	> 85.18	2.85	61.34 > 88.45
235	2... 5th Function Octa-PCBs				1.15	5.008	0.00		0.000		NO	27.11		1.47	27.11
236	2... Total Nona-PCBs				0.952	5.008	0.00		0.000		NO	15.12		0.568	15.12
237	2... Deca-CB				0.986	5.008	0.00		0.000		NO	7.594		0.243	7.594
238	2... Total PCBs														

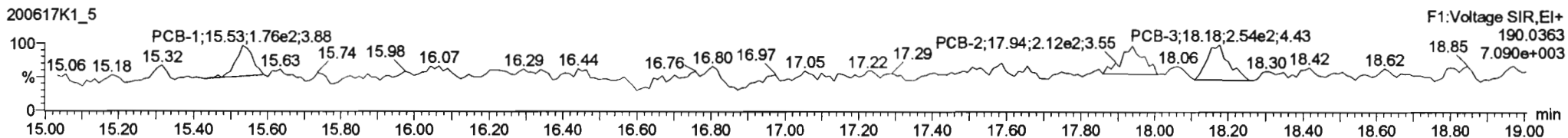
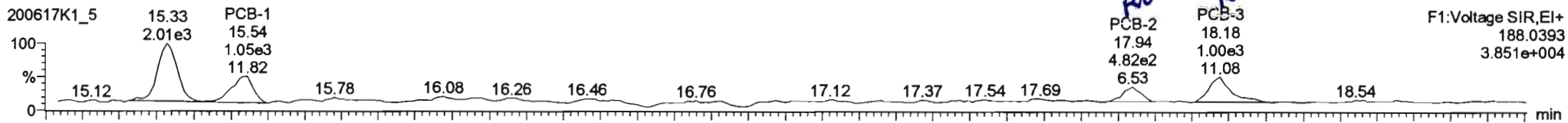


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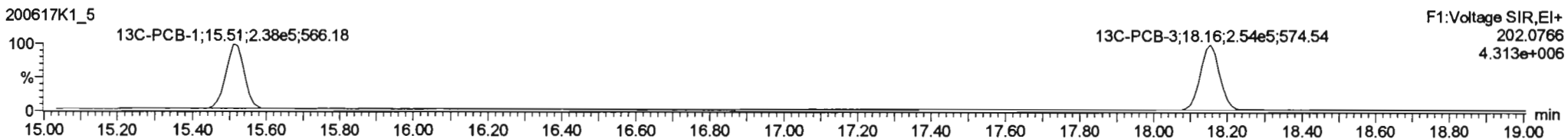
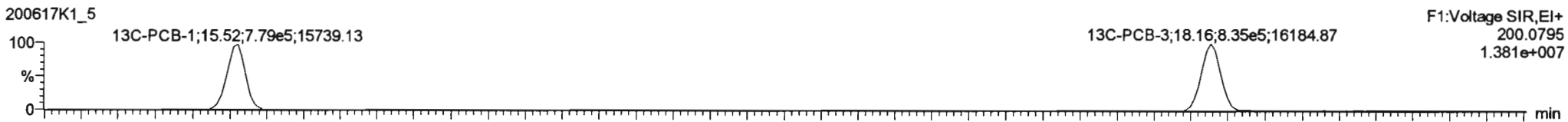
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

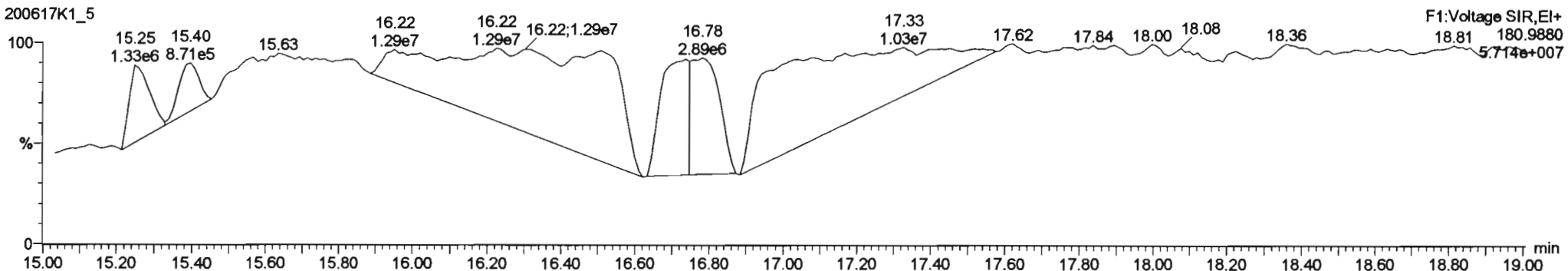
**PCB-1**



**13C-PCB-1**

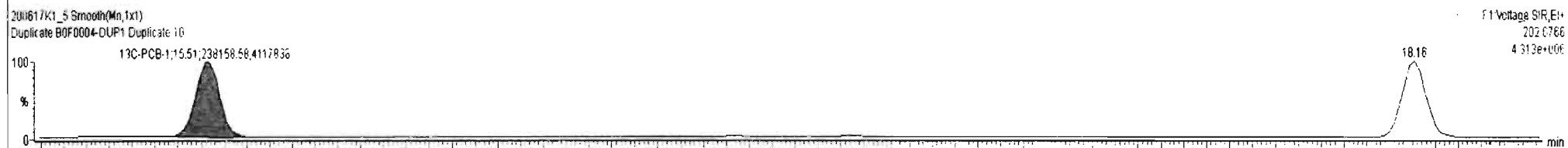
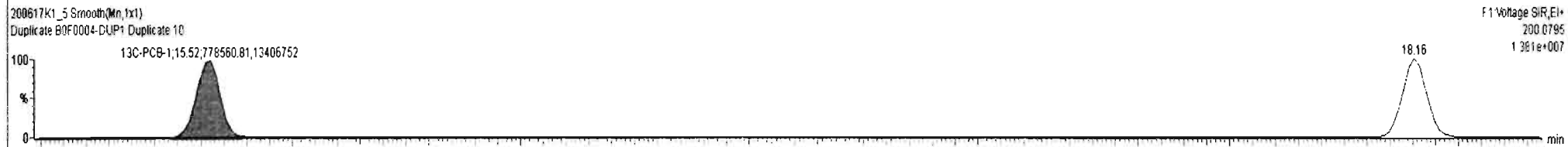
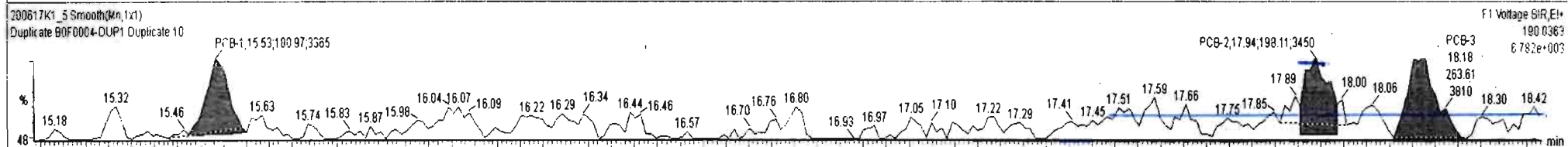
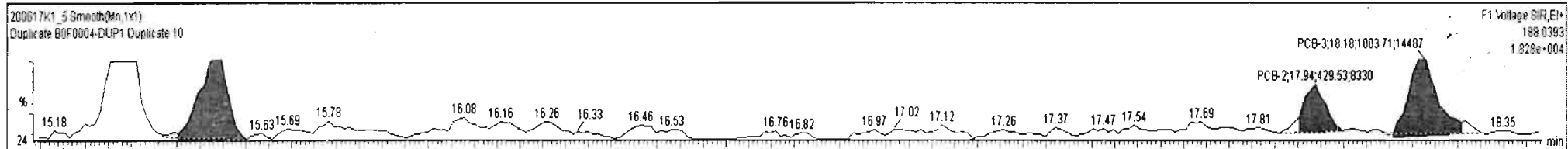


**PFK1**



#	Name	Resp	RA	nly	RRF	wtVol	PredRT	RT	Pred_R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.008	0.00		0.000		NO	0.0000		1.22	3.873
225	225 Total Di-PCBs				1.0537	5.008	0.00		0.000		NO	7.097		11.1	22.26
226	226 Total Tri-PCBs				1.0987	5.008	0.00		0.000		NO	69.73		4.07	73.71

#	Name	PredRT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
1	1 PCB-1	15.53	15.54	1.069e3	1.810e2	3.130	5.91	YES	1.2563	0.00000
2	2 PCB-2	17.94	17.94	4.295e2	1.981e2	3.130	2.17	YES	0.87864	0.00000
3	3 PCB-3	18.17	18.18	1.004e3	2.636e2	3.130	3.81	YES	1.7385	0.00000

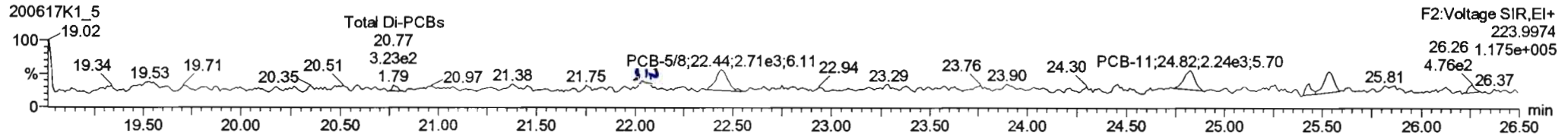
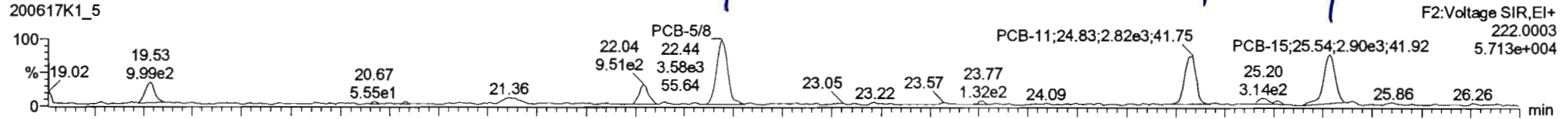


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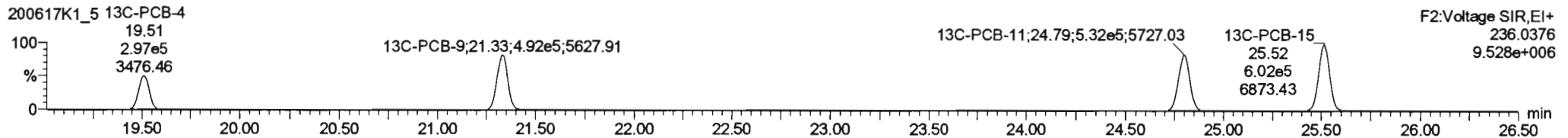
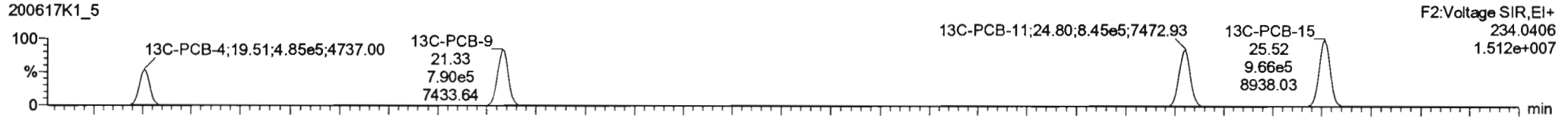
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Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

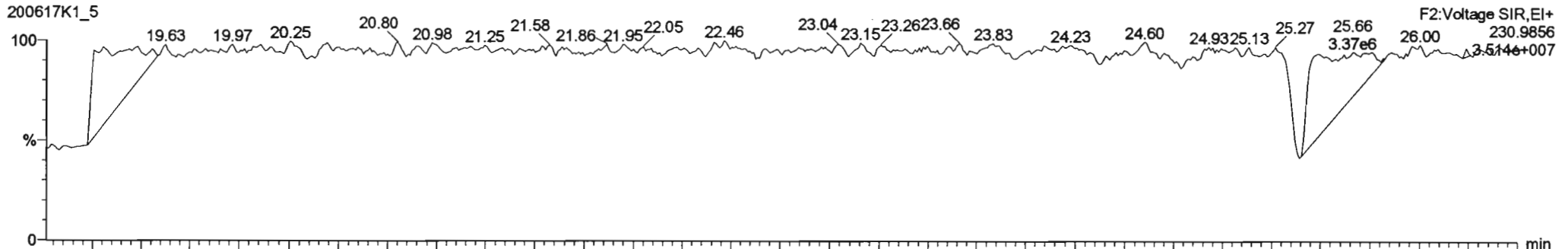
**PCB-4/10**



**13C-PCB-4**

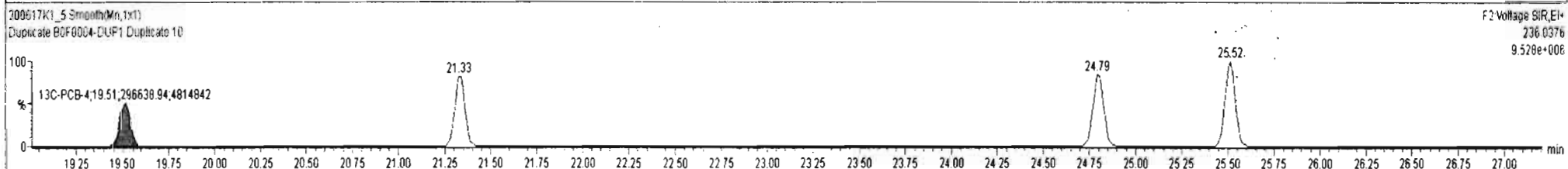
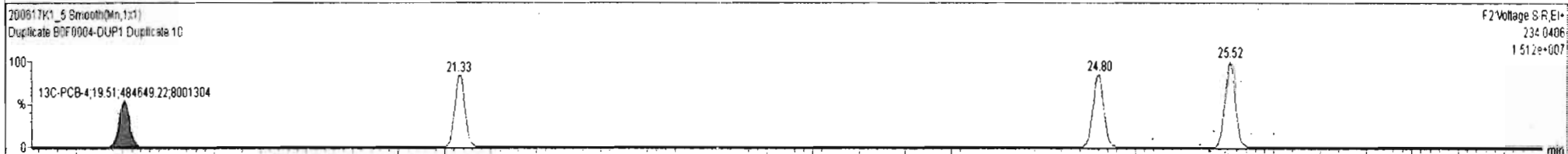
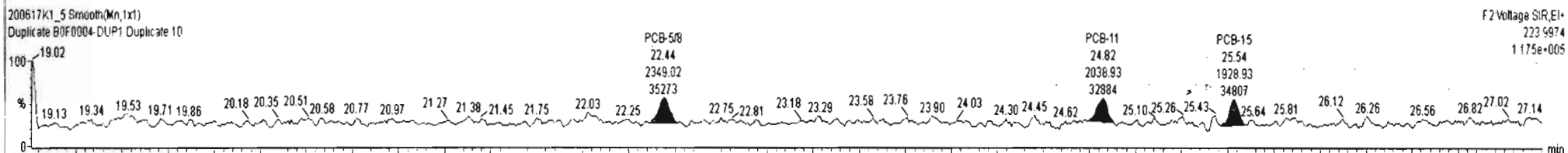
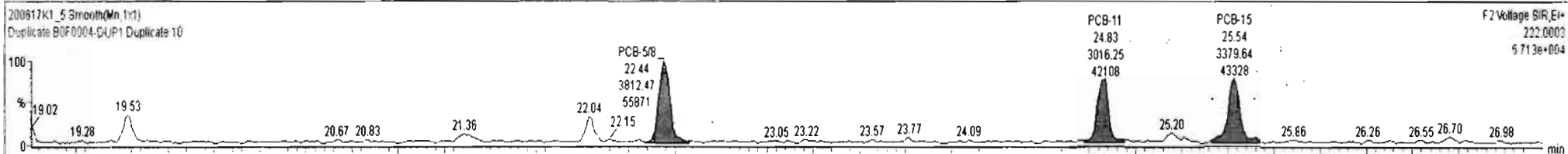


**PFK2a**



#	Name	Resp	RA	n/y	RRF	wtVol	PredRT	RT	PredR...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.008	0.00		0.000		NO	0.0000		1.22	3.873
225	225 Total Di-PCBs				1.0537	5.008	0.00		0.000		NO	23.61		7.74	23.61
226	226 2nd Function Tri-PCBs				1.0807	5.008	0.00		0.000		NO	69.48		4.97	69.48

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	7 PCB-5/8	22.44	22.44	3.812e3	2.349e3	1.560	1.52	NO	9.6670	9.6670
2	9 PCB-11	24.82	24.83	3.016e3	2.039e3	1.560	1.48	NO	6.5056	6.5056
3	11 PCB-15	25.57	25.54	3.380e3	1.929e3	1.560	1.75	NO	7.4363	7.4363



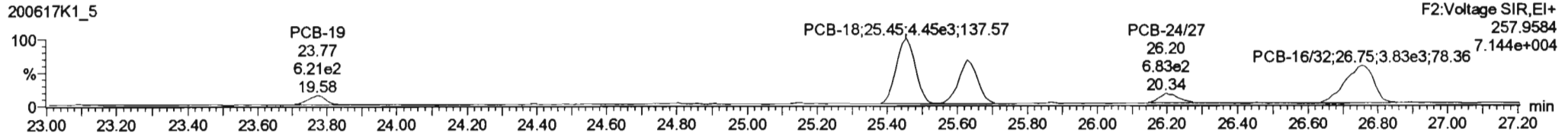
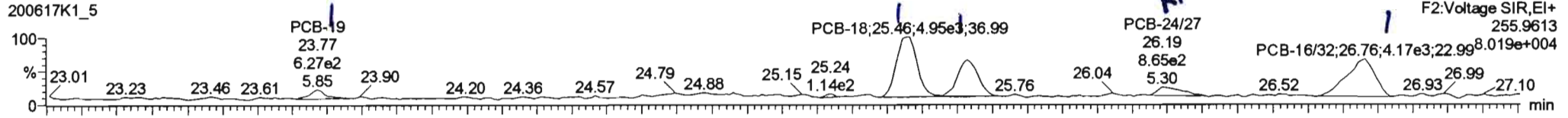


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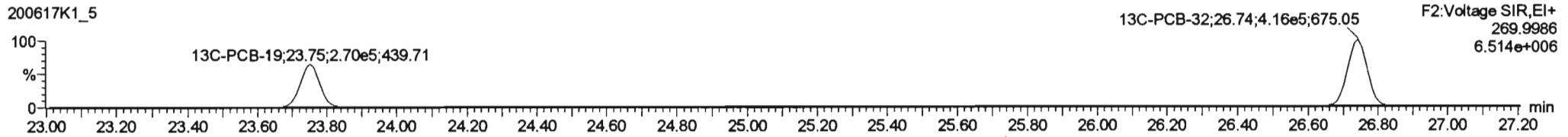
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

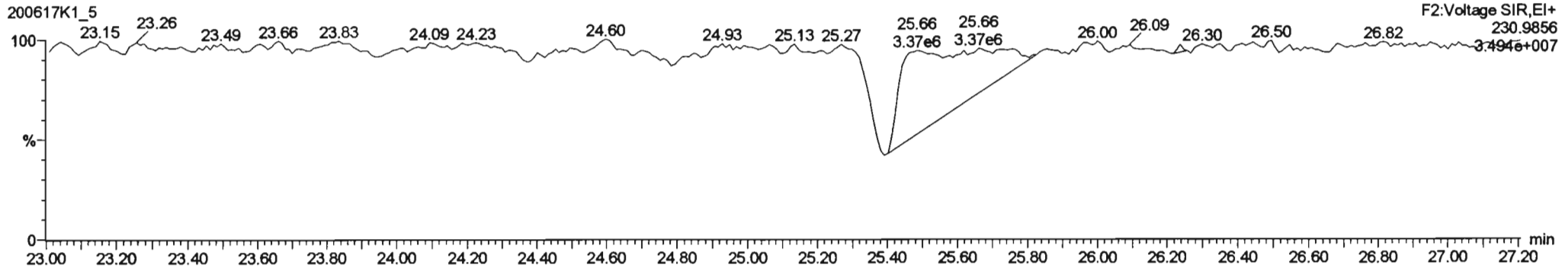
**PCB-19**



**13C-PCB-19**

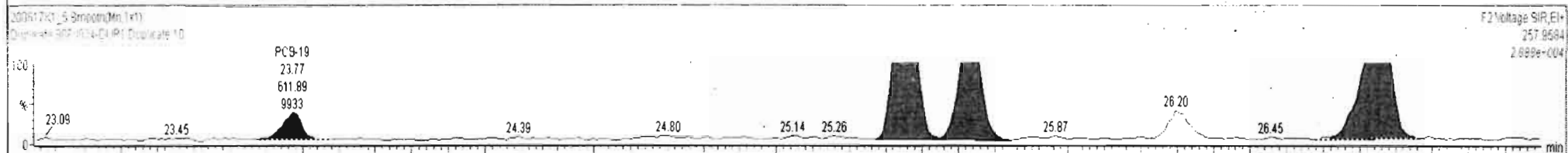
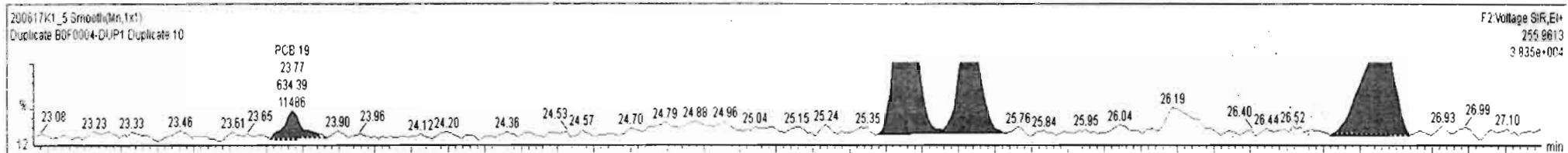


**PFK2b**



#	Name	Resp	RA	n/y	RRF	w/Mol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				1.0807	5.008	0.00		0.000		NO	69.48		4.97	69.48
227	227 3rd Function Tri-PCBs				0.9828	5.008	0.00		0.000		NO	127.5		10.5	133.5
228	228 Total Tetra-PCBs				1.0778	5.008	0.00		0.000		NO	676.2		17.6	690.0

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc
1	12 PCB-19	23.78	23.77	6.344e2	6.119e2	1.040	1.04	NO	4.0374	4.0374
2	14 PCB-18	25.45	25.46	4.951e3	4.446e3	1.040	1.11	NO	26.823	26.823
3	15 PCB-17	25.63	25.63	2.976e3	2.937e3	1.040	1.01	NO	18.198	18.198
4	17 PCB-16G2	26.76	26.76	4.279e3	3.819e3	1.040	1.12	NO	20.423	20.423

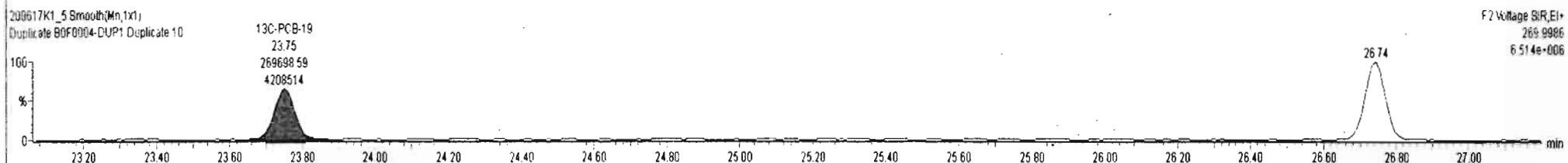
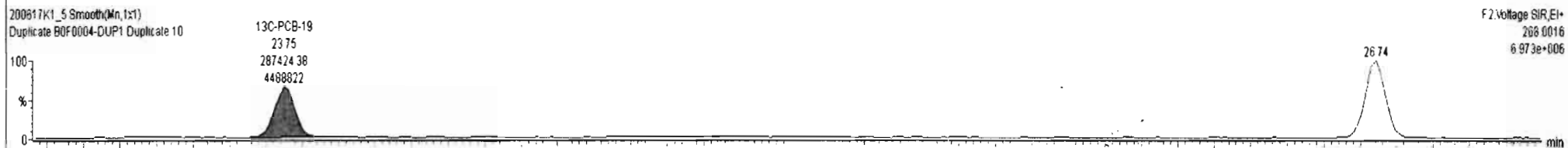
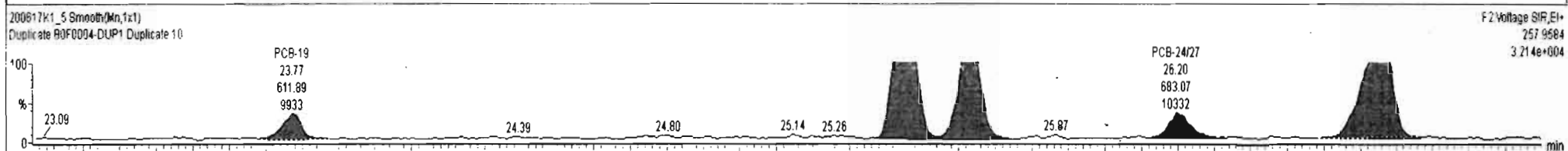
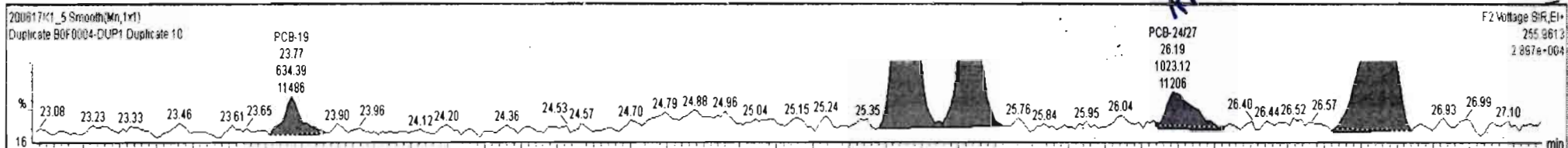


200617K1\_5 - B0F0004-DUP1 Duplicate 10 - Duplicate

#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				1.0907	5.008	0.00		0.000		NO	68.48		4.97	72.48
227	227 3rd Function Tri-PCBs				0.9628	5.008	0.00		0.000		NO	127.5		10.5	133.5
228	228 Total Tetra-PCBs				1.0778	4.008	0.00		0.000		NO	876.4		12.8	699.4

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	12 PCB-19	23.78	23.77	6.344e2	6.119e2	1.040	1.04	NO	4.0374	4.0374
2	14 PCB-18	25.45	25.46	4.951e3	4.446e3	1.040	1.11	NO	26.823	26.823
3	15 PCB-17	25.63	25.63	2.976e3	2.907e3	1.040	1.01	NO	18.198	18.198
4	16 PCB-24/27	26.24	26.19	1.023e3	6.831e2	1.040	1.50	YES	3.0057	0.00000
5	17 PCB-16/32	26.76	26.76	4.279e3	3.819e3	1.040	1.12	NO	20.423	20.423

RT

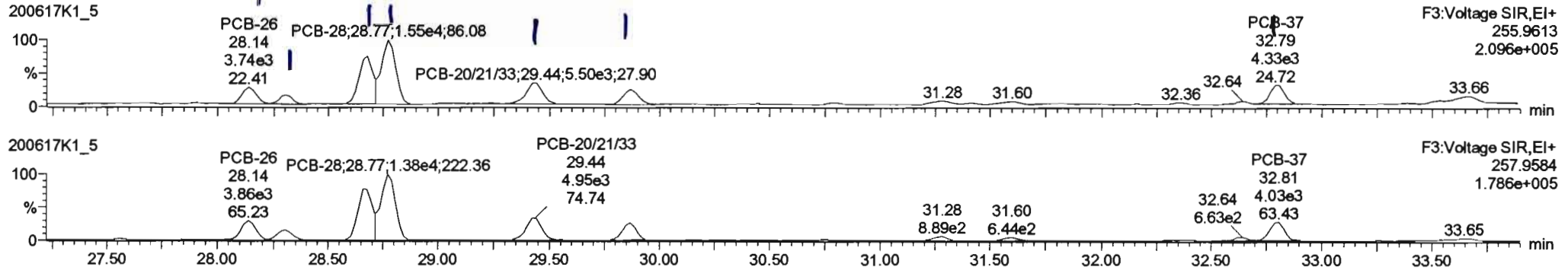


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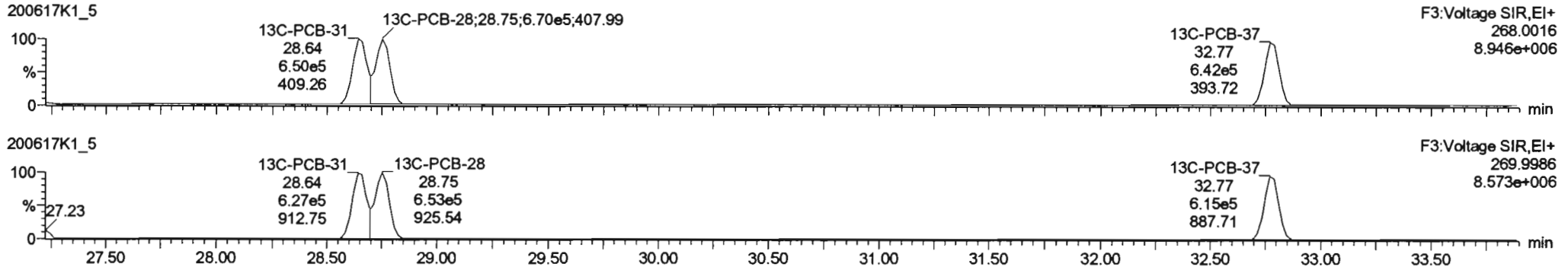
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

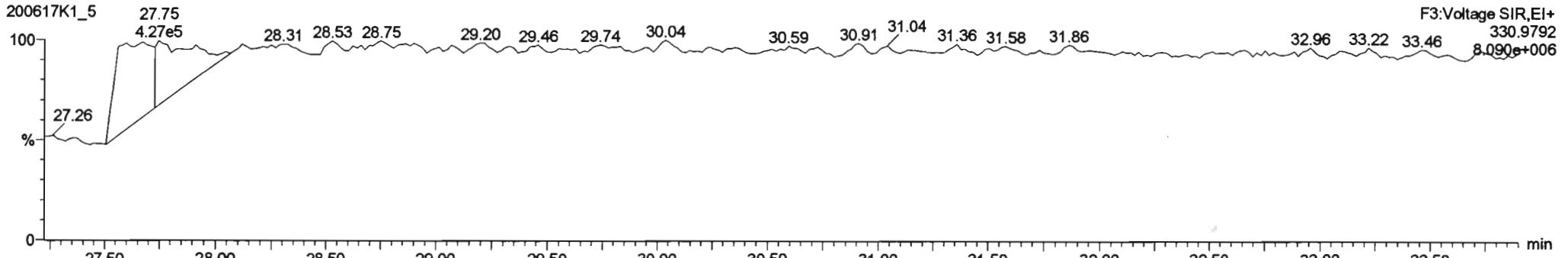
**PCB-34**



**13C-PCB-28**



**PFK3d**

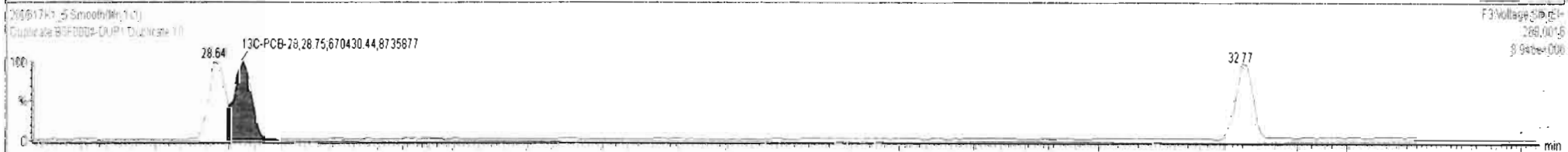
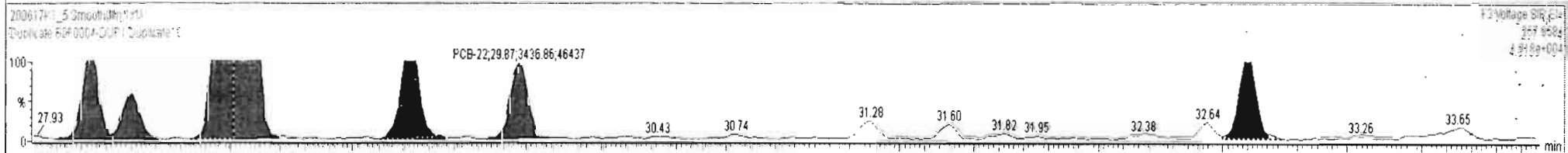
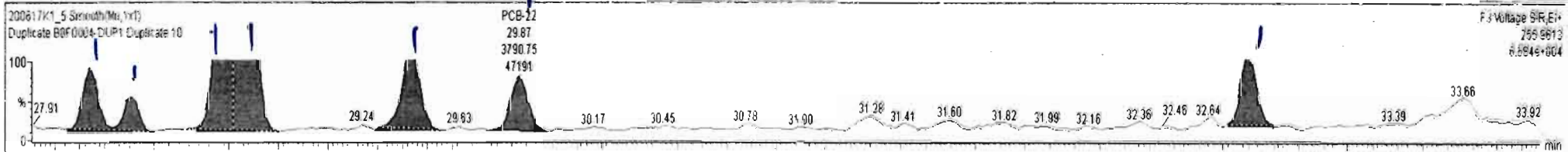




#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				0.9828	5.008	0.00		0.000		NO	135.6		10.5	135.6
228	228 Total Tetra-PCBs				1.0778	5.008	0.00		0.000		NO	676.4		12.6	699.9
229	229 3rd Function Pentra-PCBs				1.1157	5.008	0.00		0.000		NO	865.8		14.4	887.1

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	21 PCB-26	28.14	28.14	3.969e3	3.864e3	1.040	1.03	NO	12.522	12.522
2	22 PCB-25	28.29	28.31	2.032e3	2.218e3	1.040	0.92	NO	6.7526	6.7526
3	23 PCB-31	28.66	28.68	1.033e4	1.035e4	1.040	1.06	NO	30.985	30.985
4	24 PCB-28	28.77	28.77	1.556e4	1.384e4	1.040	1.12	NO	43.296	43.296
5	25 PCB-2002103	29.41	29.44	5.880e3	5.038e3	1.040	1.17	NO	17.503	17.503
6	26 PCB-22	29.85	29.87	3.791e3	3.437e3	1.040	1.10	NO	11.211	11.211
7	31 PCB-37	32.79	32.79	4.581e3	3.893e3	1.040	1.18	NO	13.344	13.344

early



Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

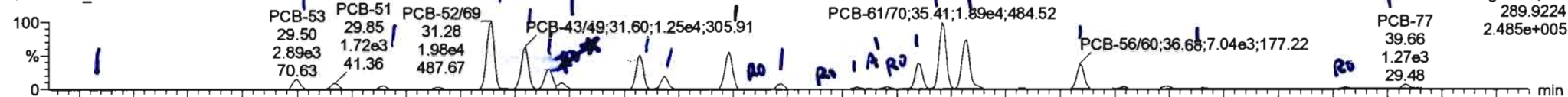
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*\* Jy 06-19-2020*

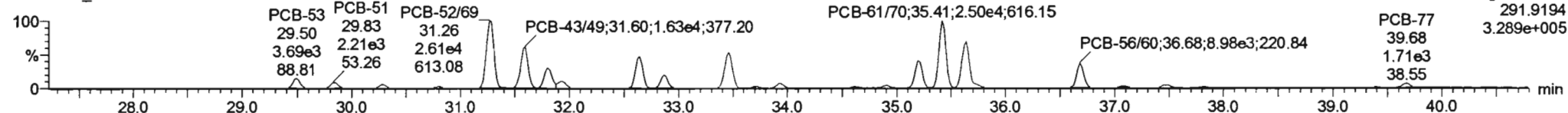
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**PCB-54**

200617K1\_5

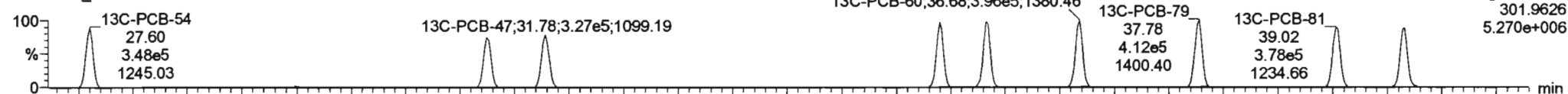


200617K1\_5

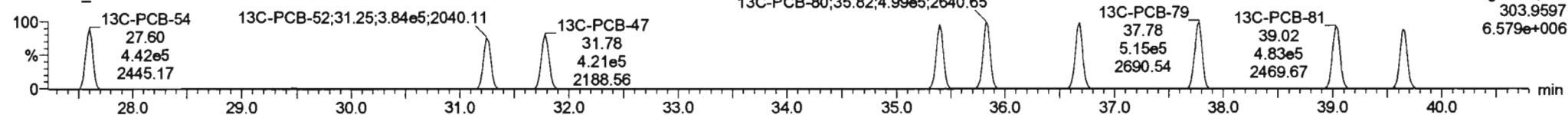


**13C-PCB-54**

200617K1\_5

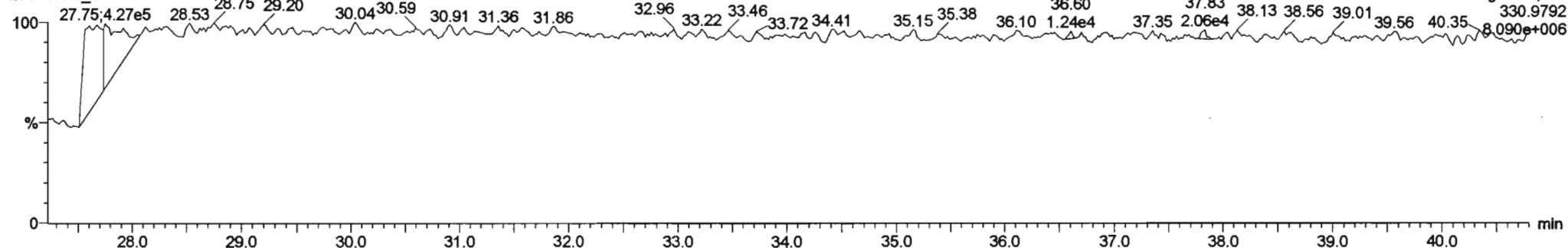


200617K1\_5



**PFK3a**

200617K1\_5



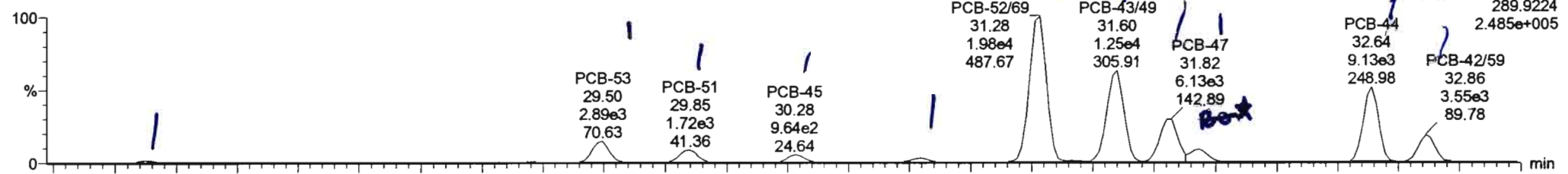
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

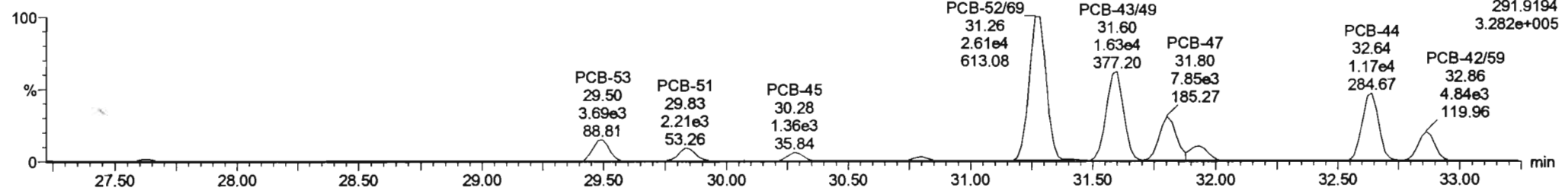
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*July 06 19 2020*

PCB-50

200617K1\_5

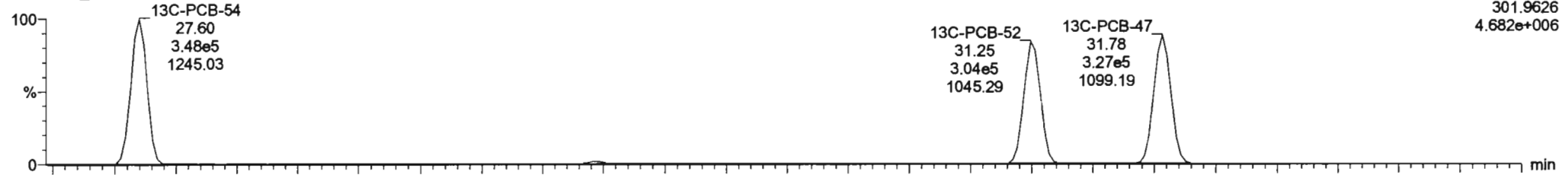


200617K1\_5

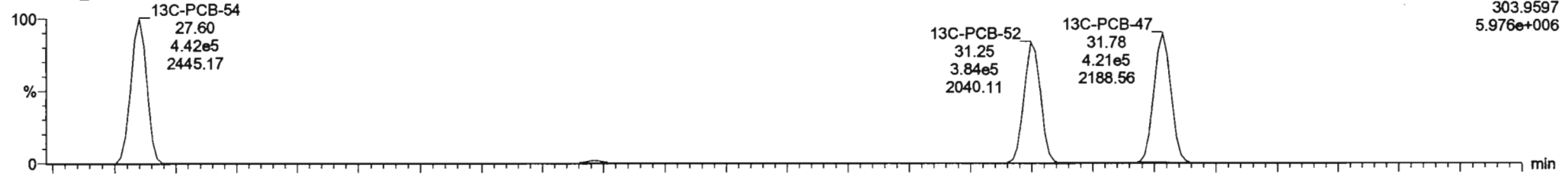


13C-PCB-52

200617K1\_5

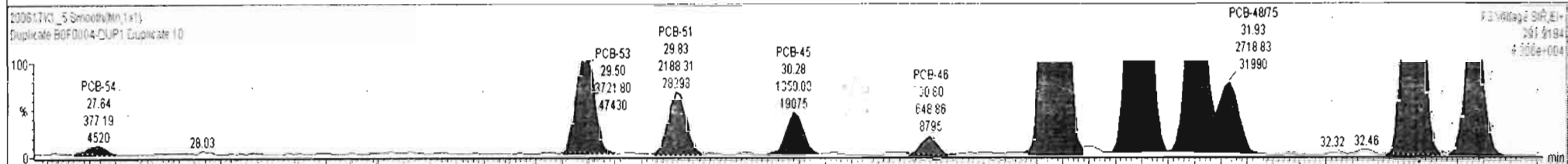
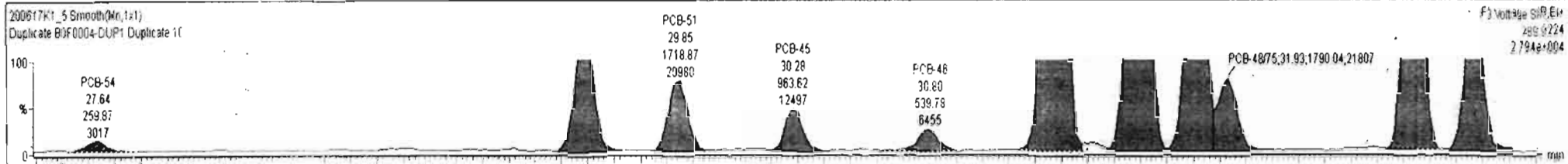


200617K1\_5



#	Name	Resp	RA	nly	RRF	wVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				0.9828	5.008	0.00		0.000		NO	135.6		10.5	135.6
228	228 Total Tetra-PCBs				1.0778	5.008	0.00		0.000		NO	692.3		12.6	698.6
229	229 3rd Function Pentra-PCBs				1.1457	5.008	0.00		0.000		NO	864.1		14.4	867.3

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	32 PCB-54	27.62	27.64	2.589e2	3.772e2	0.770	0.69	NO	1.4902	1.4902
2	34 PCB-53	29.50	29.50	2.894e3	3.722e3	0.770	0.78	NO	19.242	19.242
3	35 PCB-51	29.84	29.85	1.719e3	2.188e3	0.770	0.79	NO	10.634	10.634
4	36 PCB-45	30.29	30.28	9.636e2	1.359e3	0.770	0.71	NO	7.8440	7.8440
5	37 PCB-46	30.78	30.80	5.398e2	6.489e2	0.770	0.83	NO	4.1481	4.1481
6	38 PCB-5269	31.28	31.28	1.977e4	2.606e4	0.770	0.76	NO	113.91	113.91
7	40 PCB-4349	31.57	31.60	1.254e4	1.626e4	0.770	0.77	NO	82.184	82.184
8	41 PCB-47	31.80	31.82	6.132e3	7.763e3	0.770	0.79	NO	40.240	40.240
9	42 PCB-4875	31.92	31.93	1.790e3	2.719e3	0.770	0.66	NO	10.746	10.746
10	45 PCB-44	32.64	32.64	9.169e3	1.183e4	0.770	0.78	NO	68.027	68.027
11	46 PCB-4259	32.87	32.86	3.548e3	4.839e3	0.770	0.73	NO	21.330	21.330





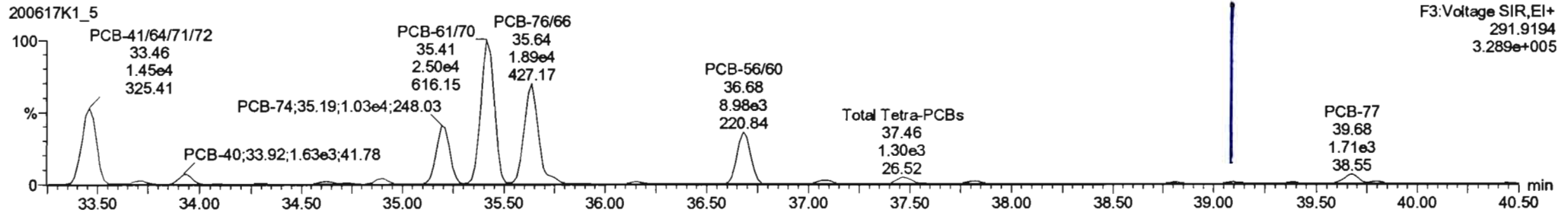
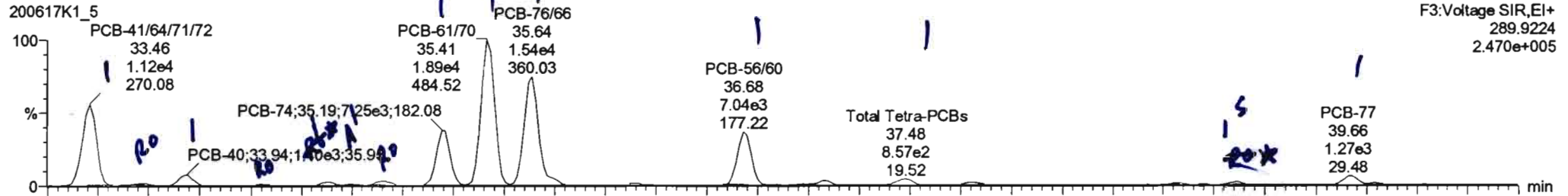
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 Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

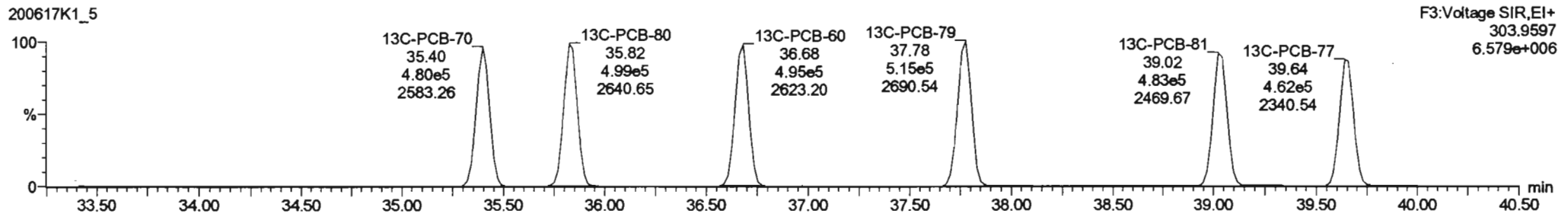
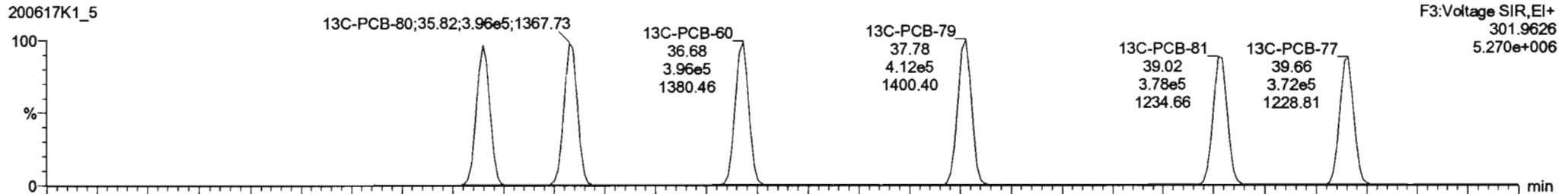
*\* by 06/19/2020*

Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

**PCB-68**



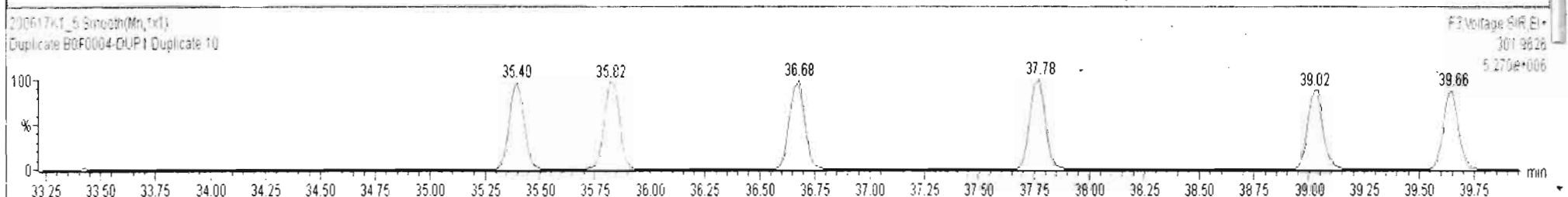
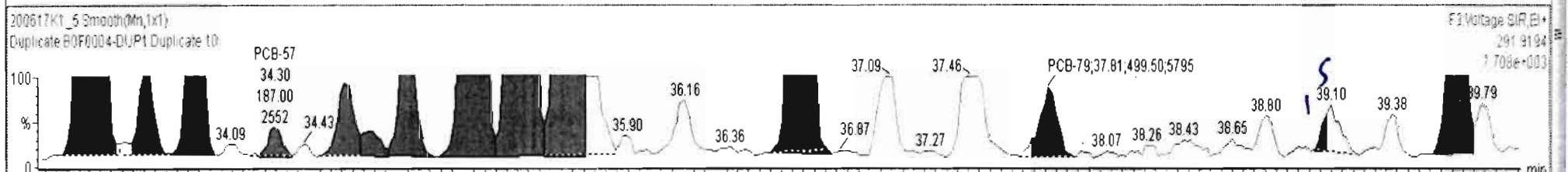
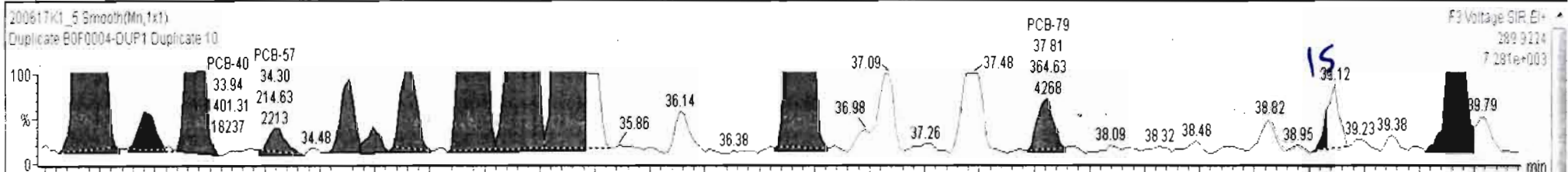
**13C-PCB-60**



200617K1\_5 - B0F0004-DUP1 Duplicate 10 - Duplicate

#	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	5.008	0.00		0.000		NO	692.6		12.6	697.6

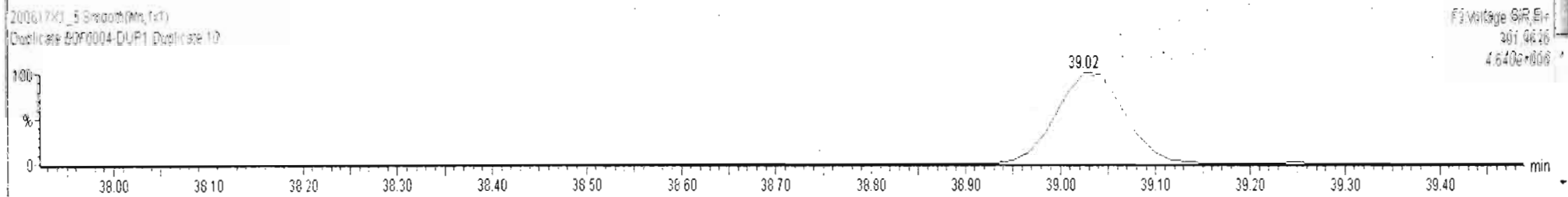
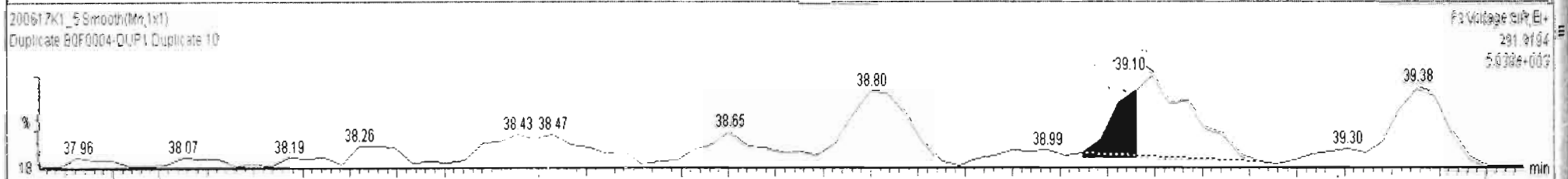
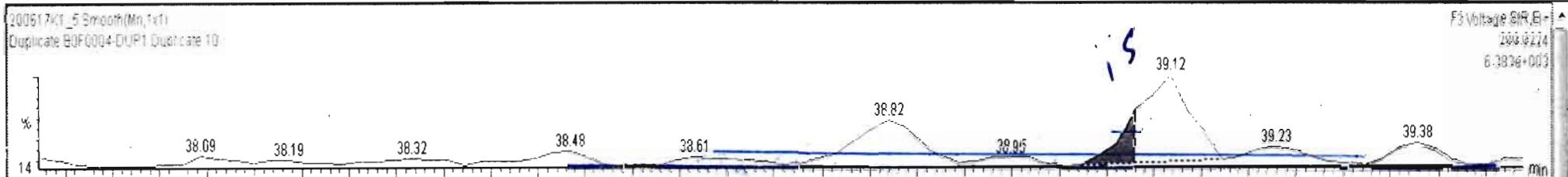
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
12	47 PCB-41/64/71/72	33.47	33.46	1.131e4	1.452e4	0.770	0.78	NO	58.064	58.064
13	48 PCB-68	33.72	33.70	2.892e2	5.590e2	0.770	0.52	YES	1.3892	0.00000
14	49 PCB-40	33.95	33.94	1.401e3	1.628e3	0.770	0.86	NO	13.433	13.433
15	50 PCB-57	34.30	34.30	2.146e2	1.870e2	0.770	1.15	YES	0.65702	0.00000
16	51 PCB-67	34.62	34.63	4.216e2	5.317e2	0.770	0.79	NO	2.0299	2.0299
17	52 PCB-58	34.74	34.74	1.511e2	2.060e2	0.770	0.73	NO	0.68468	0.68468
18	53 PCB-63	34.90	34.91	5.992e2	9.653e2	0.770	0.62	YES	2.9666	0.00000
19	54 PCB-74	35.20	35.19	7.285e3	1.029e4	0.770	0.71	NO	34.225	34.225
20	55 PCB-61/70	35.41	35.41	1.900e4	2.499e4	0.770	0.76	NO	96.327	96.327
21	56 PCB-76/66	35.60	35.64	1.469e4	1.782e4	0.770	0.82	NO	64.455	64.455
22	59 PCB-56/60	36.68	36.68	7.110e3	9.019e3	0.770	0.79	NO	35.330	35.330
23	60 PCB-79	37.78	37.81	3.646e2	4.995e2	0.770	0.73	NO	1.6925	1.6925
24	62 PCB-81	39.04	39.08	6.286e1	8.833e1	0.770	0.71	NO	0.33493	0.33493
25	63 PCB-77	39.68	39.66	1.269e3	1.707e3	0.770	0.74	NO	6.2639	6.2639



200617K1\_5 - B0F0004-DUP1 Duplicate 10 - Duplicate

#	Name	Resp	RA	n/y	RRF	wt/ol	Pred.RT	RT	Pred.R...	RRT	RRT Fat	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.008	0.00		0.000		NO	692.6		12.6	697.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
12	47 PCB-41/64/71/72	33.47	33.46	1.131e4	1.452e4	0.770	0.78	NO	58.064	58.064
13	48 PCB-68	33.72	33.70	2.892e2	5.590e2	0.770	0.52	YES	1.3892	0.00000
14	49 PCB-40	33.95	33.94	1.401e3	1.626e3	0.770	0.86	NO	13.433	13.433
15	50 PCB-57	34.30	34.30	2.146e2	1.870e2	0.770	1.15	YES	0.65702	0.00000
16	51 PCB-67	34.62	34.63	4.216e2	5.317e2	0.770	0.79	NO	2.0299	2.0299
17	52 PCB-58	34.74	34.74	1.511e2	2.060e2	0.770	0.73	NO	0.68468	0.68468
18	53 PCB-63	34.90	34.91	5.992e2	9.653e2	0.770	0.62	YES	2.9666	0.00000
19	54 PCB-74	35.20	35.19	7.285e3	1.029e4	0.770	0.71	NO	34.225	34.225
20	55 PCB-61/70	35.41	35.41	1.900e4	2.499e4	0.770	0.76	NO	96.327	96.327
21	56 PCB-76/66	35.60	35.64	1.469e4	1.782e4	0.770	0.82	NO	64.455	64.455
22	59 PCB-56/60	36.68	36.68	7.110e3	9.019e3	0.770	0.79	NO	35.330	35.330
23	60 PCB-79	37.78	37.81	3.646e2	4.995e2	0.770	0.73	NO	1.6925	1.6925
24	62 PCB-81	39.04	39.08	6.286e1	8.833e1	0.770	0.71	NO	0.33493	0.33493
25	63 PCB-77	39.68	39.66	1.269e3	1.707e3	0.770	0.74	NO	6.2639	6.2639





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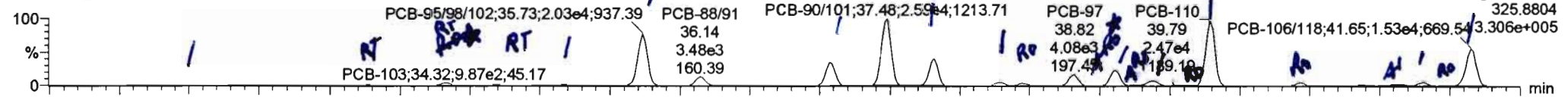
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

*\* by 06-18-2020*

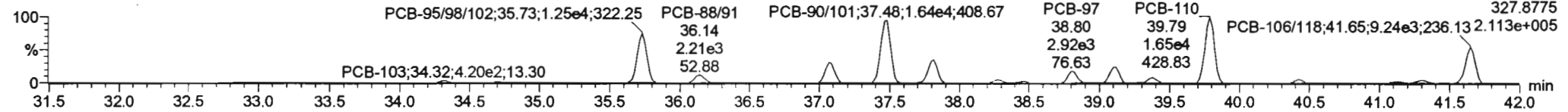
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**PCB-104**

200617K1\_5

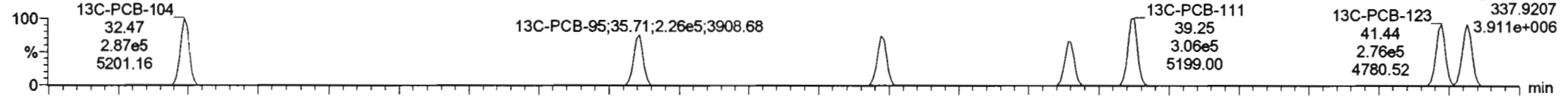


200617K1\_5

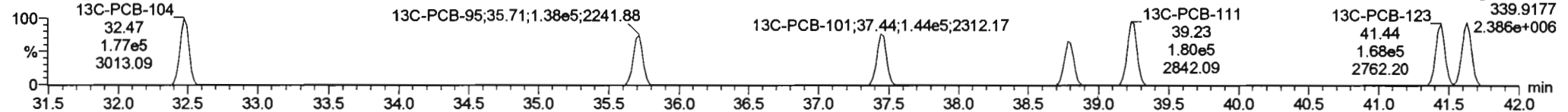


**13C-PCB-104**

200617K1\_5

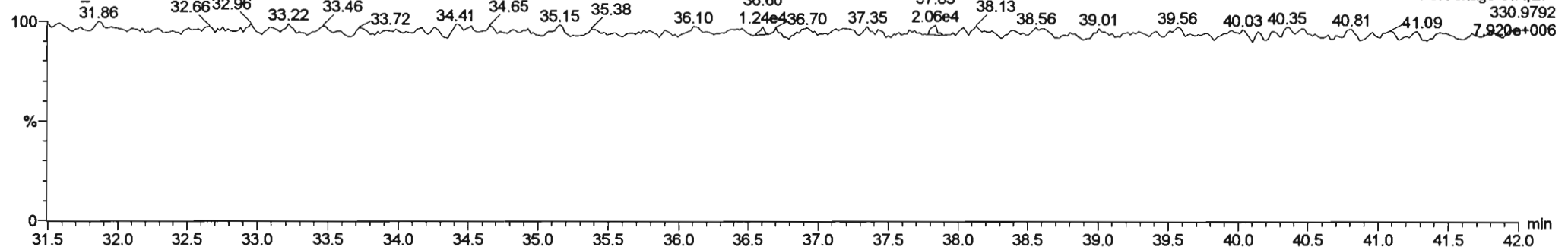


200617K1\_5



**PFK3b**

200617K1\_5





Dataset: Untitled

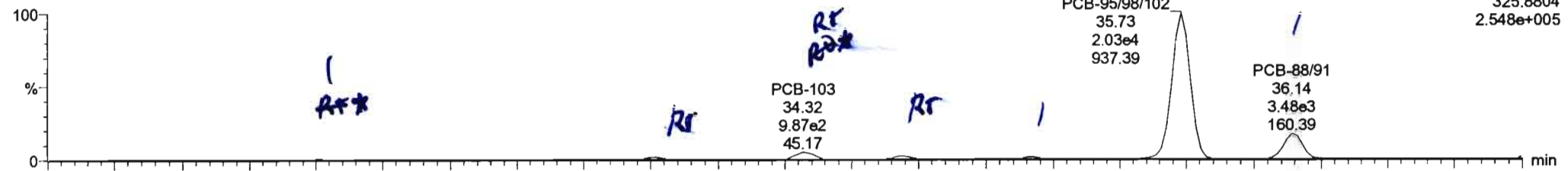
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

*July 06-18-2020*

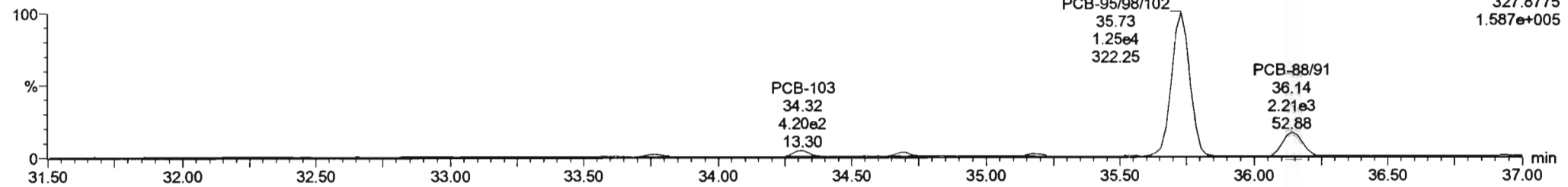
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**PCB-96**

200617K1\_5

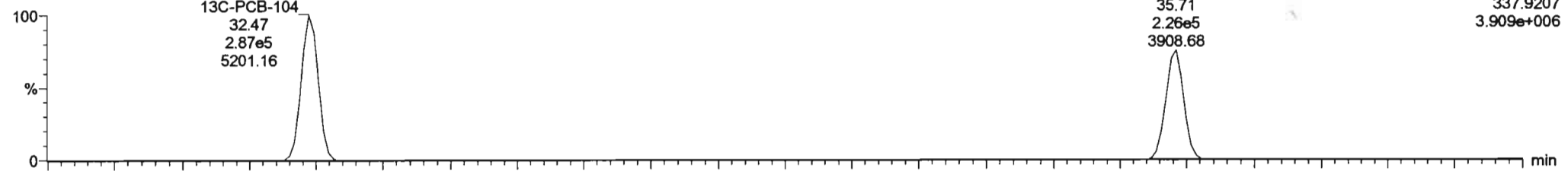


200617K1\_5

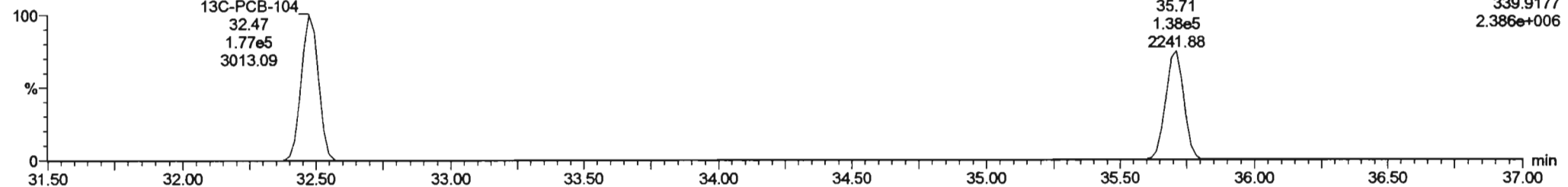


**13C-PCB-95**

200617K1\_5



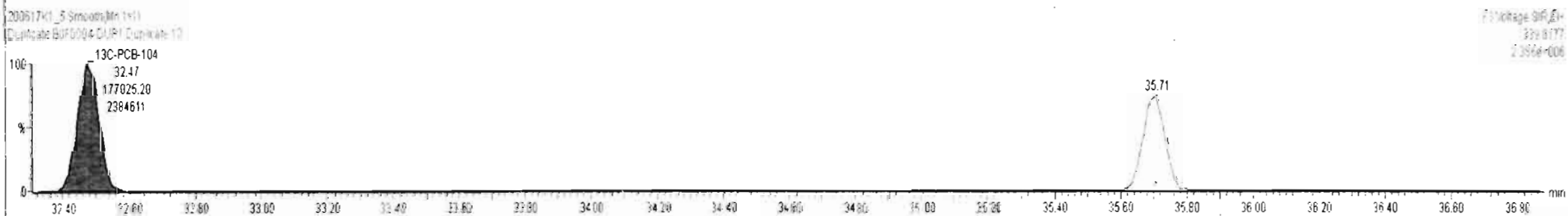
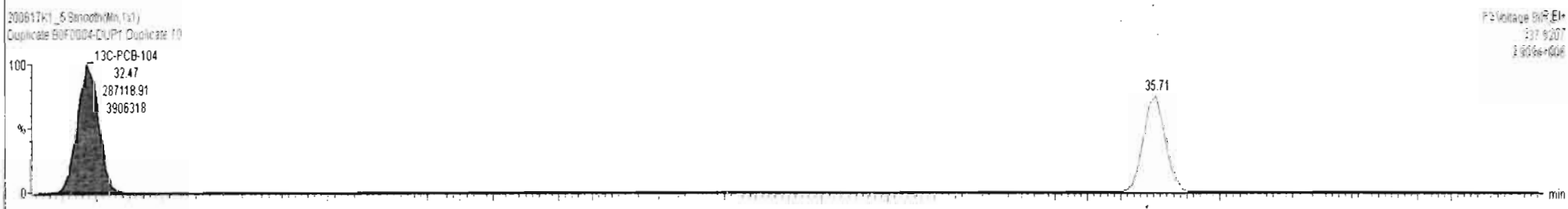
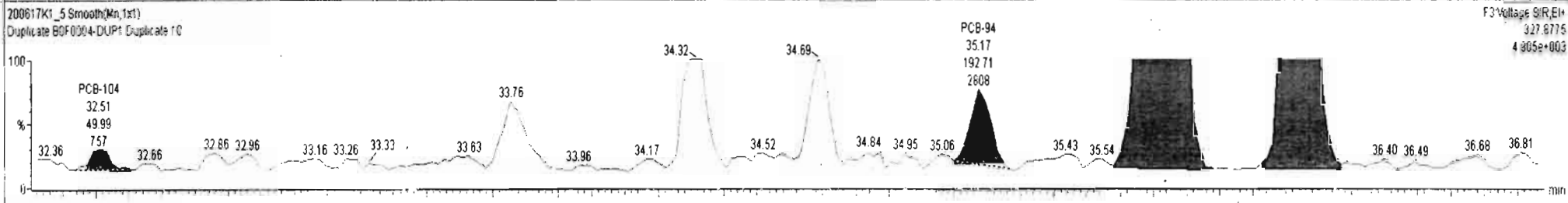
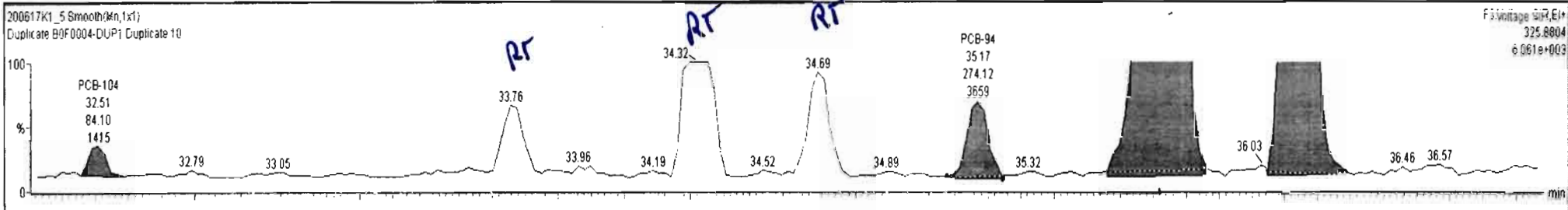
200617K1\_5



200617K1\_5 - B0F0004-DUP1 Duplicate 10 - Duplicate

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.3157	5.008	0.00		0.000		NO	871.6		13.7	889.5
230	230 4th Function Penta-PCBs				1.0735	5.008	0.00		0.000		NO	23.79		1.64	26.06
231	231 3rd Function Hexa-PCBs				0.9505	5.008	0.00		0.000		NO	343.1		4.26	347.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	32.49	32.51	8.410e1	4.999e1	1.560	1.68	NO	0.51408	0.51408
2	68 PCB-94	35.19	35.17	2.741e2	1.927e2	1.560	1.42	NO	2.6944	2.6944
3	69 PCB-95/98/102	35.67	35.73	2.036e4	1.247e4	1.560	1.63	NO	149.31	149.31
4	71 PCB-88/91	36.14	36.14	3.503e3	2.224e3	1.560	1.57	NO	29.454	29.454

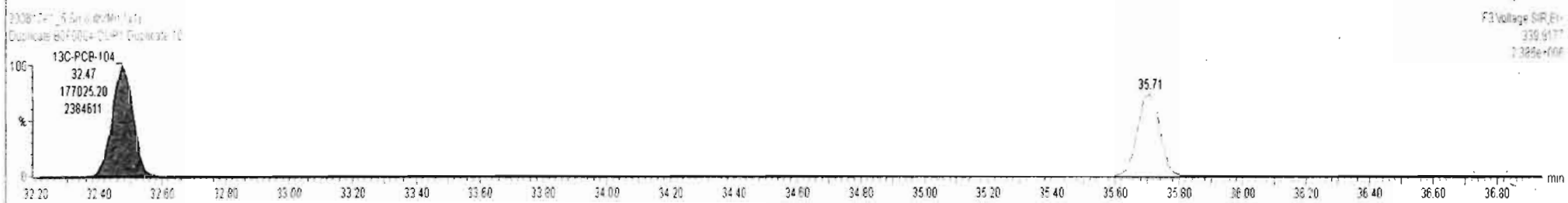
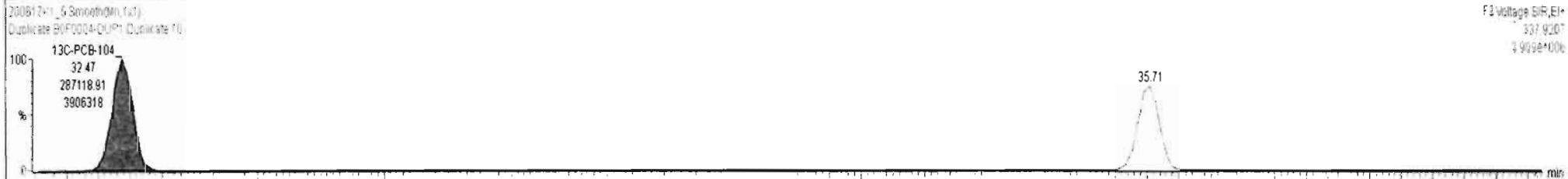
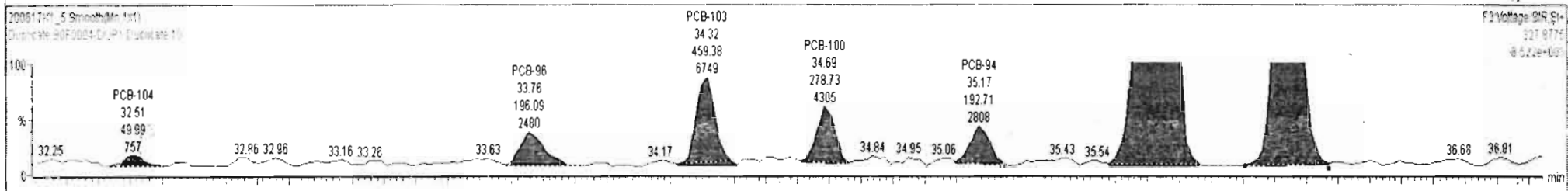
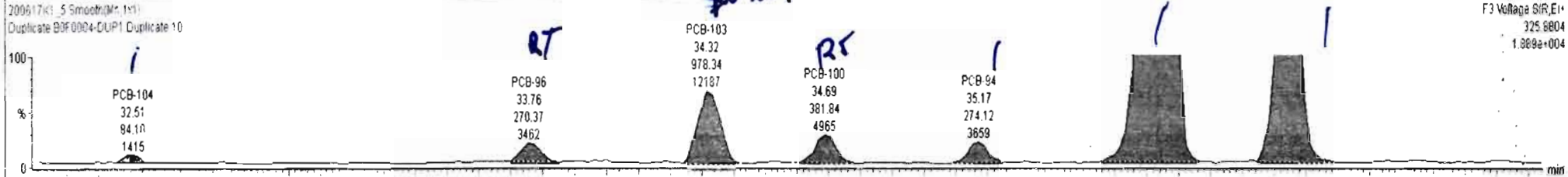


#	Name	Resp	RA	nly	RRF	wAval	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.3157	5.008	0.00		0.000		NO	795.5		13.7	818.7
230	230 4th Function Penta-PCBs				1.0735	5.008	0.00		0.000		NO	23.84		1.64	25.99
231	231 3rd Function Hexa-PCBs				0.9505	5.008	0.00		0.000		NO	332.5		4.28	342.4

*Handwritten:* X4 06-19-2020

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	64 PCB-104	32.49	32.51	8.410e1	4.939e1	1.560	1.68	NO	0.51408	0.51408
2	65 PCB-96	33.81	33.76	7.704e2	1.961e2	1.560	1.38	NO	1.7390	1.7390
3	66 PCB-103	34.38	34.32	8.783e2	4.594e2	1.560	2.13	YES	5.4019	0.00000
4	67 PCB-100	34.73	34.69	8.818e2	2.787e2	1.560	1.37	NO	2.9799	2.9799
5	68 PCB-94	35.19	35.17	8.741e2	1.927e2	1.560	1.42	NO	2.6944	2.6944
6	69 PCB-95/98/102	35.67	35.73	2.036e4	1.248e4	1.560	1.63	NO	149.35	149.35
7	71 PCB-86/81	36.14	36.14	3.503e3	2.225e3	1.560	1.57	NO	29.457	29.457

*Handwritten:* early - 0.05  
early - 0.06  
early - 0.04

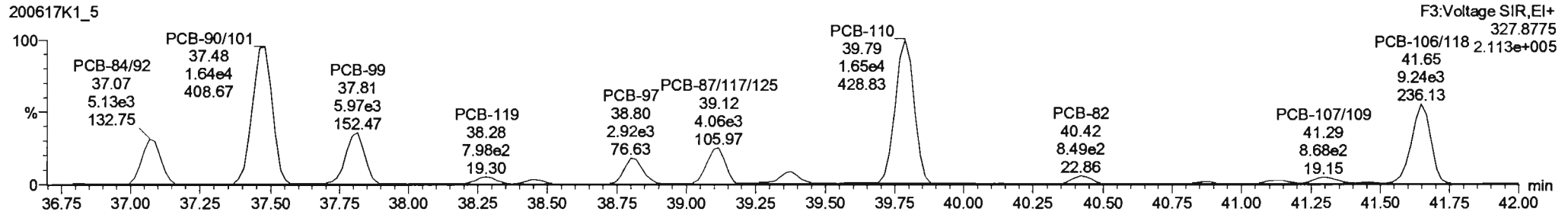
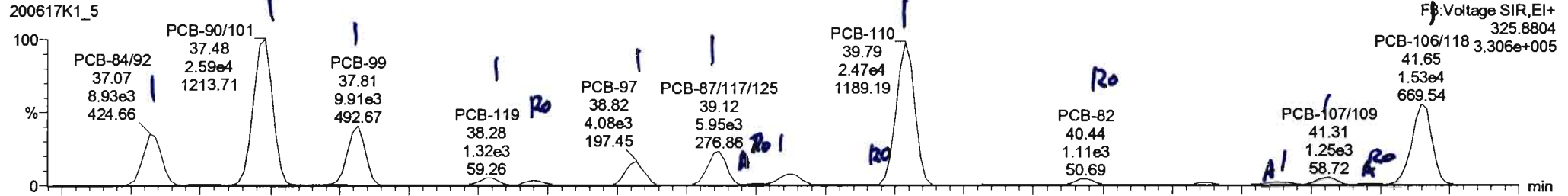


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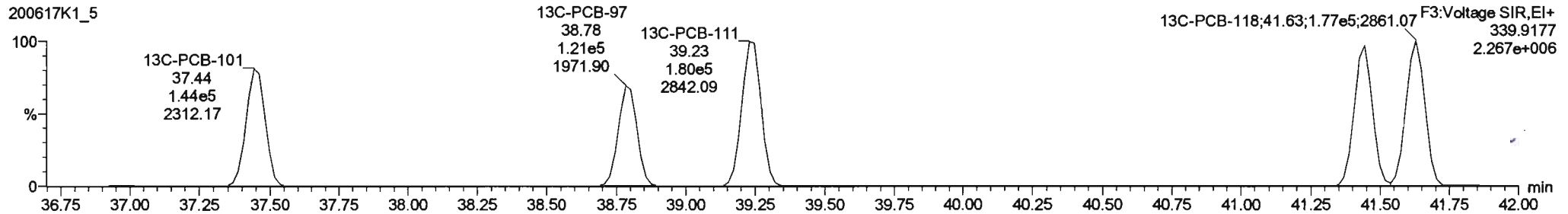
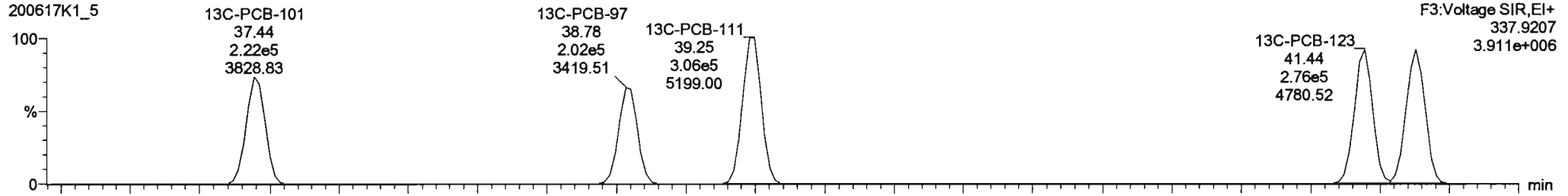
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
 Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

**PCB-119**



**13C-PCB-111**

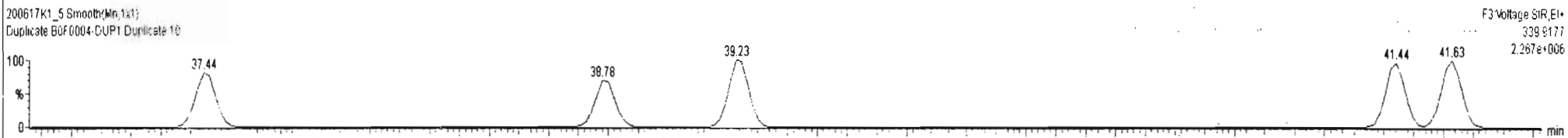
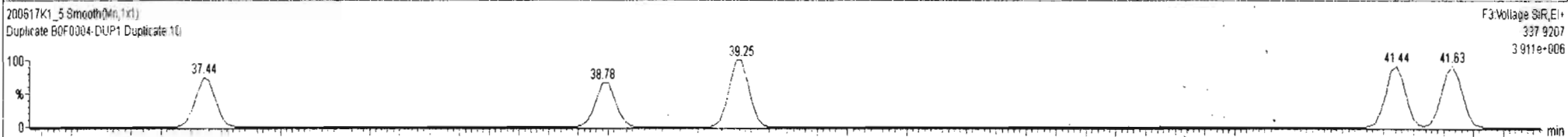
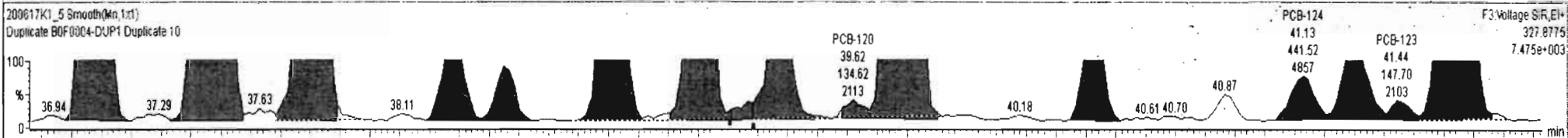
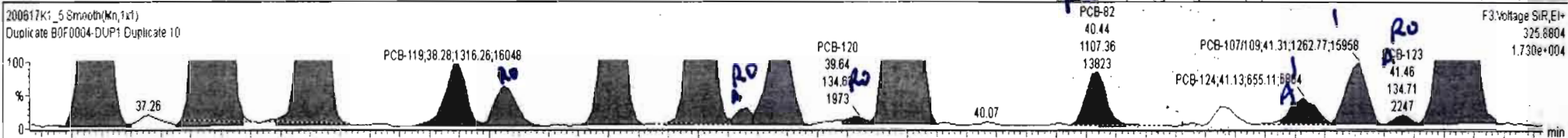




200617K1\_5-B0F0004-DUP1 Duplicate 10 - Duplicate

#	Name	Resp	RA	rly	RRF	wAoi	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.008	0.00		0.000		NO	692.3		12.6	698.6
229	229 3rd Function Penta-PCBs				1.3157	5.008	0.00		0.000		NO	876.3		13.7	899.6
230	230 4th Function Penta-PCBs				1.0735	5.008	0.00		0.000		NO	23.84		1.64	25.99

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rly	EMPC	Conc.
8	73 PCB-84/82	37.08	37.07	9.027e3	5.152e3	1.560	1.75	NO	76.035	76.035
9	75 PCB-90/101	37.46	37.48	2.616e4	1.638e4	1.560	1.60	NO	206.79	206.79
10	77 PCB-99	37.79	37.81	1.004e4	5.920e3	1.560	1.70	NO	65.951	65.951
11	78 PCB-119	38.28	38.28	1.316e3	7.979e2	1.560	1.65	NO	7.2435	7.2435
12	79 PCB-106/112	38.44	38.45	8.424e2	4.505e2	1.560	1.87	YES	4.9368	0.00000
13	81 PCB-97	38.80	38.82	4.076e3	2.915e3	1.560	1.40	NO	33.730	33.730
14	83 PCB-87/117/125	39.10	39.12	5.951e3	4.054e3	1.560	1.47	NO	39.693	39.693
15	84 PCB-111/115	39.25	39.27	2.278e2	1.134e2	1.560	2.01	YES	0.93987	0.00000
16	85 PCB-85/116	39.38	39.38	2.195e3	1.405e3	1.560	1.56	NO	15.783	15.783
17	86 PCB-120	39.64	39.64	1.346e2	1.346e2	1.560	1.00	YES	0.68150	0.00000
18	87 PCB-110	39.77	39.79	2.472e4	1.651e4	1.560	1.50	NO	146.36	146.36
19	88 PCB-82	40.44	40.44	1.107e3	8.491e2	1.560	1.30	YES	10.470	0.00000
20	89 PCB-124	41.15	41.13	6.551e2	4.415e2	1.560	1.48	NO	3.5340	3.5340
21	90 PCB-107/109	41.29	41.31	1.263e3	8.282e2	1.560	1.52	NO	7.0150	7.0150
22	91 PCB-123	41.46	41.46	1.347e2	1.477e2	1.560	0.91	YES	0.83073	0.00000
23	92 PCB-106/118	41.67	41.65	1.532e4	9.211e3	1.560	1.66	NO	87.517	87.517



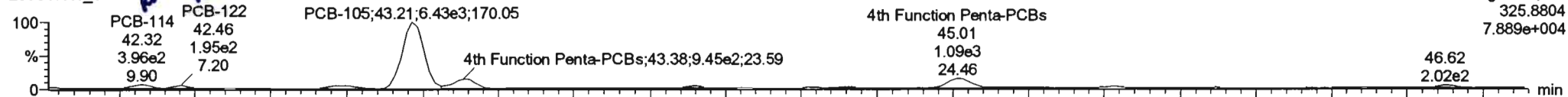
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

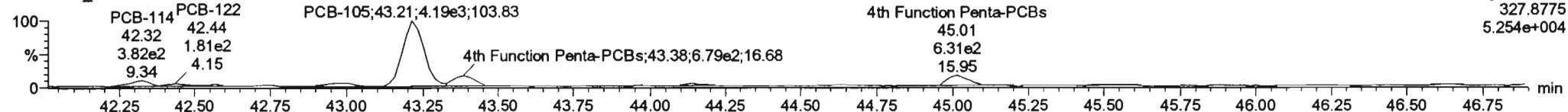
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**PCB-114**

200617K1\_5

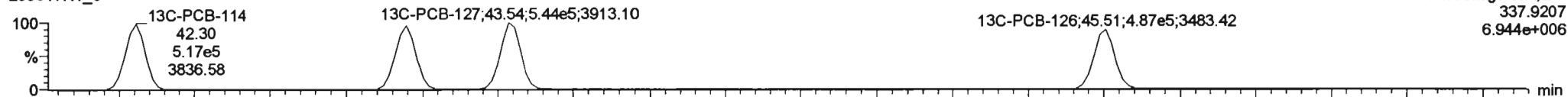


200617K1\_5

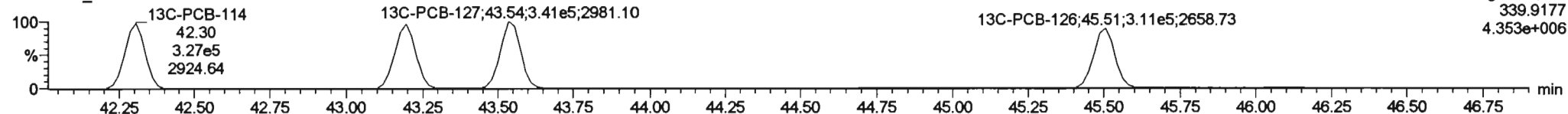


**13C-PCB-114**

200617K1\_5

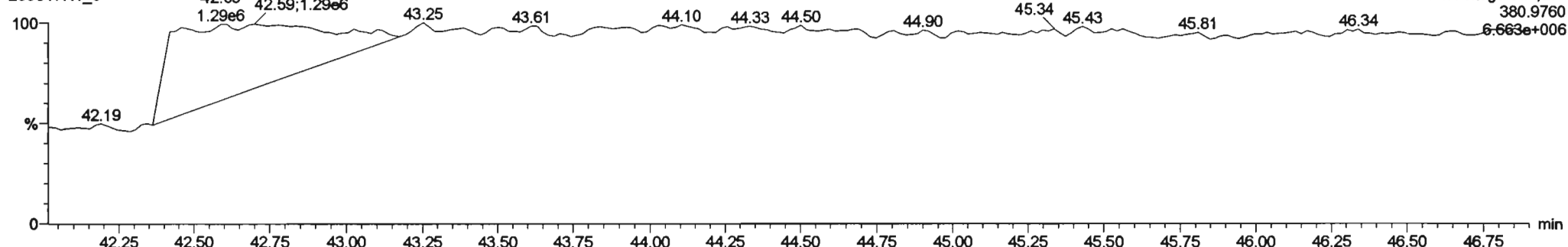


200617K1\_5



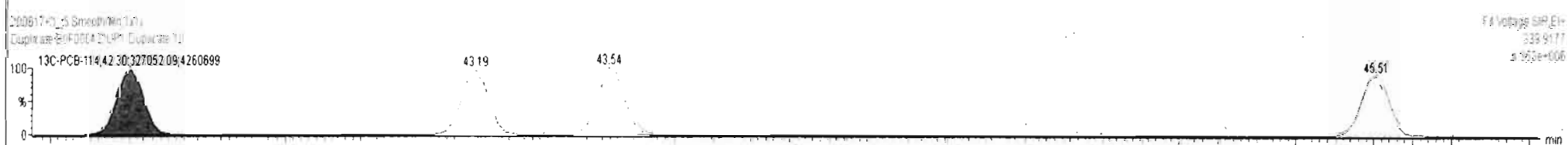
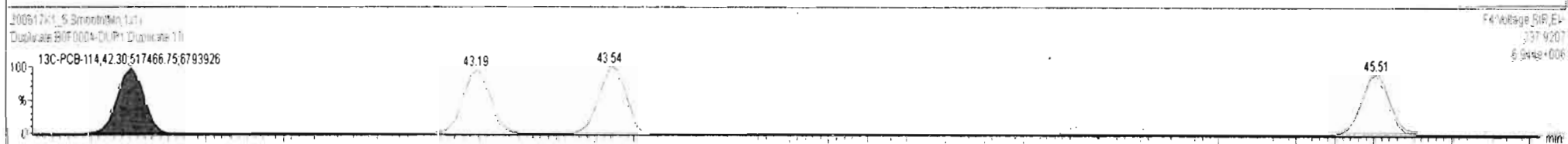
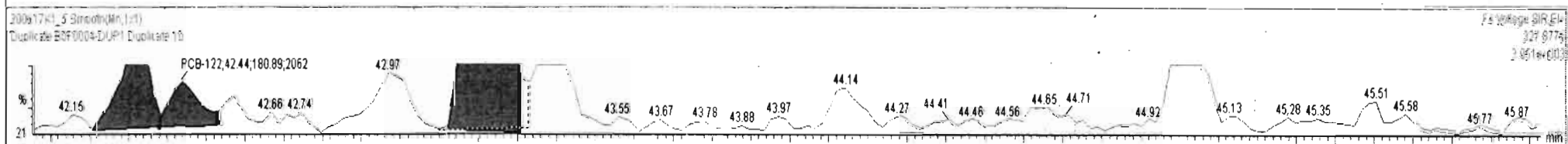
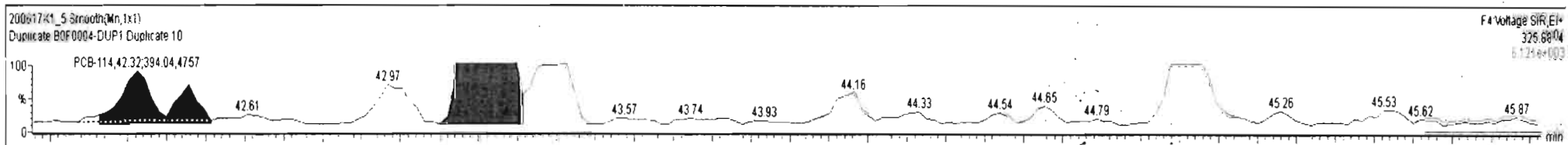
**PFK4a**

200617K1\_5



#	Name	Resp	RA	nly	RRF	wVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0735	5.008	0.00		0.000		NO	23.79		1.64	26.08
231	231 3rd Function Hexa-PCBs				0.9505	5.008	0.00		0.000		NO	332.5		4.28	342.4
232	232 4th Function Hexa-PCBs				1.0316	5.008	0.00		0.000		NO	491.7		8.33	506.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
1	93 PCB-114	42.33	42.32	3.940e2	3.819e2	1.560	1.03	YES	1.3396	0.00000
2	94 PCB-122	42.47	42.46	2.325e2	1.809e2	1.560	1.29	YES	0.95524	0.00000
3	95 PCB-105	43.21	43.21	6.435e3	4.161e3	1.550	1.55	NO	23.785	23.785



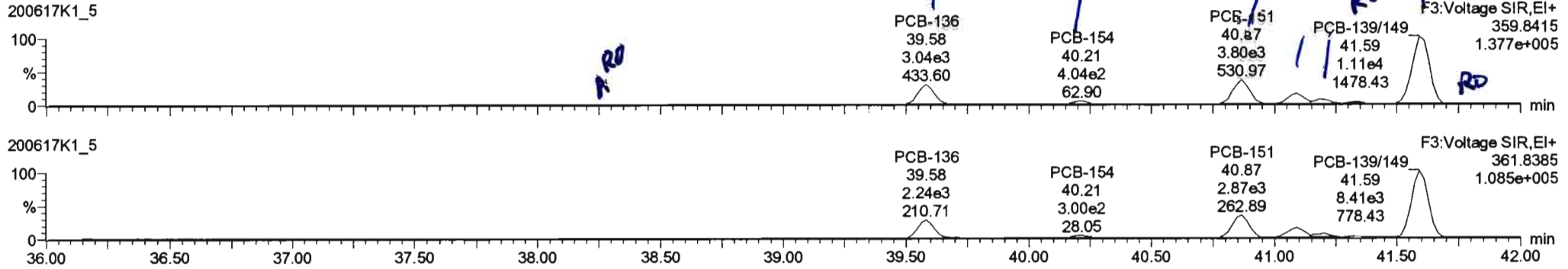


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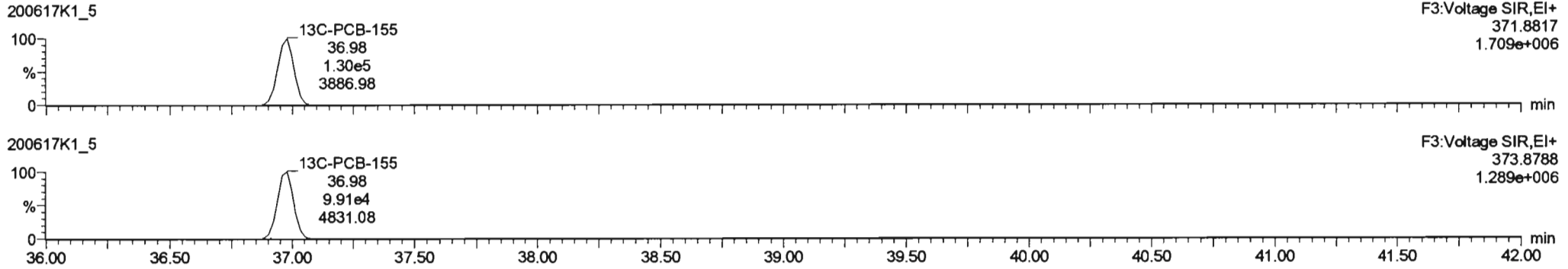
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

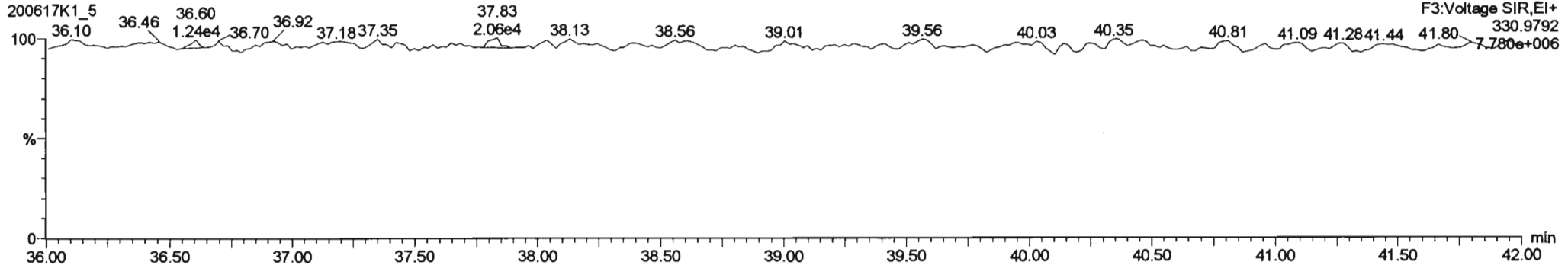
**PCB-155**



**13C-PCB-155**

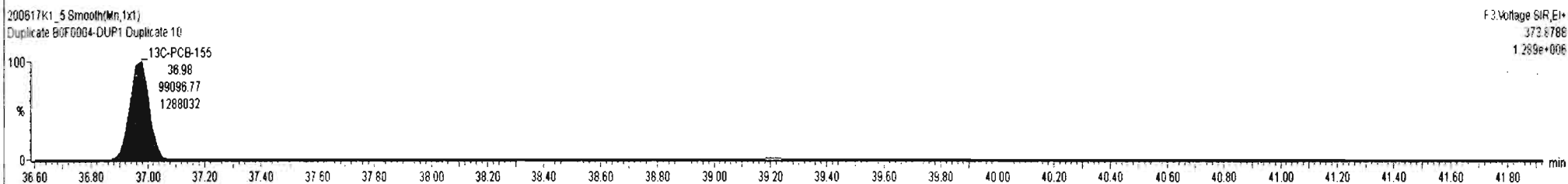
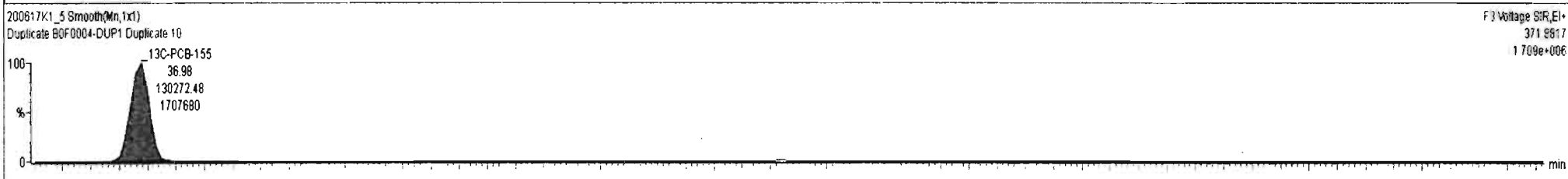
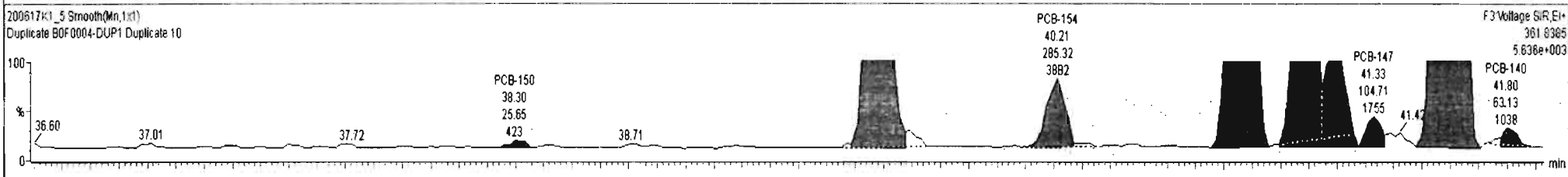
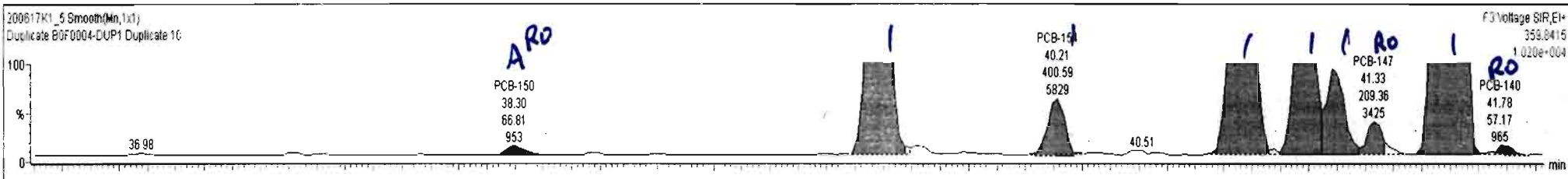


**PFK3c**



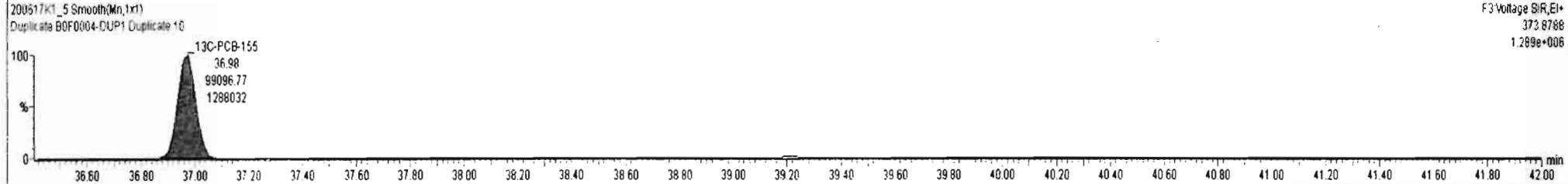
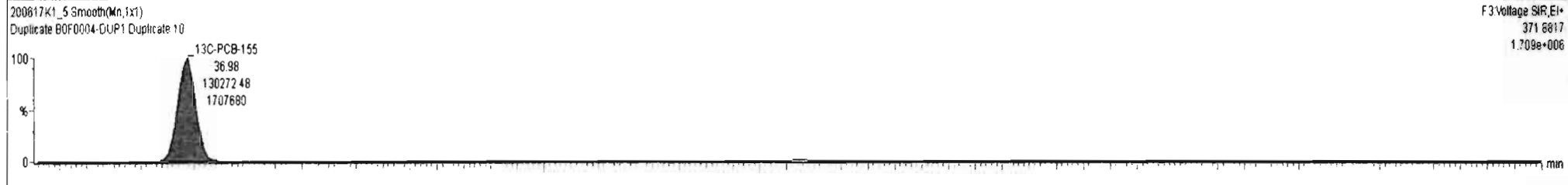
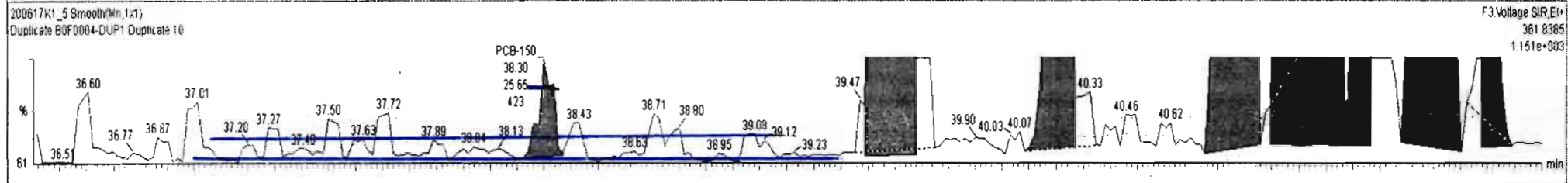
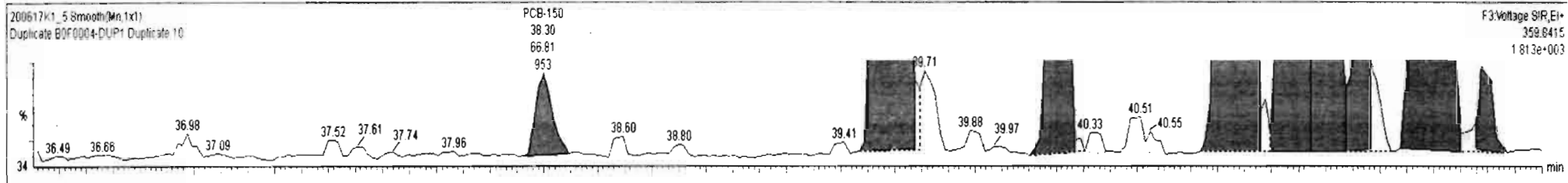
#	Name	Resp	RA	nly	RRF	wAcl	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0735	5.008	0.00		0.000		NO	23.79		1.64	26.08
231	231 3rd Function Hexa-PCBs				0.9505	5.008	0.00		0.000		NO	343.1		4.26	347.1
232	232 4th Function Hexa-PCBs				1.0316	5.008	0.00		0.000		NO	491.7		6.33	508.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	99 PCB-150	38.32	38.30	6.681e1	2.585e1	1.240	2.60	YES	0.46162	0.00000
2	1... PCB-136	39.60	39.58	3.023e3	2.195e3	1.240	1.38	NO	44.493	44.493
3	1... PCB-154	40.22	40.21	4.006e2	2.853e2	1.240	1.40	NO	6.4972	6.4972
4	1... PCB-151	40.88	40.87	3.779e3	2.872e3	1.240	1.32	NO	73.611	73.611
5	1... PCB-135	41.09	41.09	1.602e3	1.243e3	1.240	1.29	NO	26.850	26.850
6	1... PCB-144	41.20	41.18	6.623e2	4.749e2	1.240	1.39	NO	12.548	12.548
7	1... PCB-147	41.33	41.33	2.094e2	1.047e2	1.240	2.00	YES	2.4466	0.00000
8	1... PCB-138/148	41.62	41.59	1.109e4	8.414e3	1.240	1.32	NO	179.09	179.09
9	1... PCB-140	41.80	41.78	5.717e1	6.313e1	1.240	0.91	YES	1.1328	0.00000



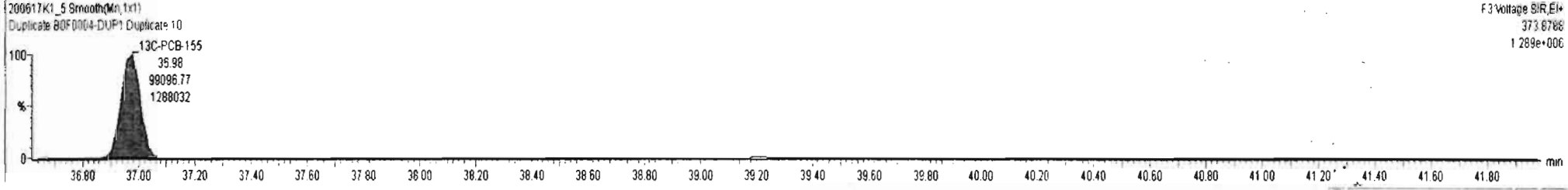
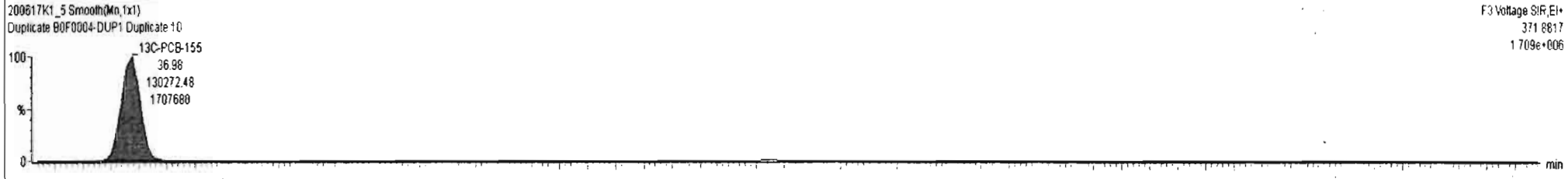
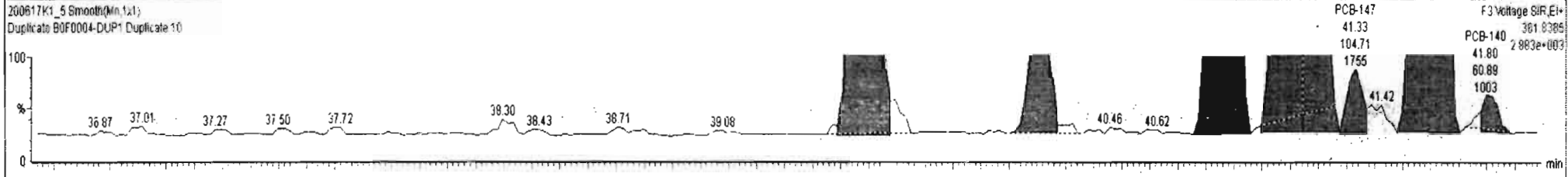
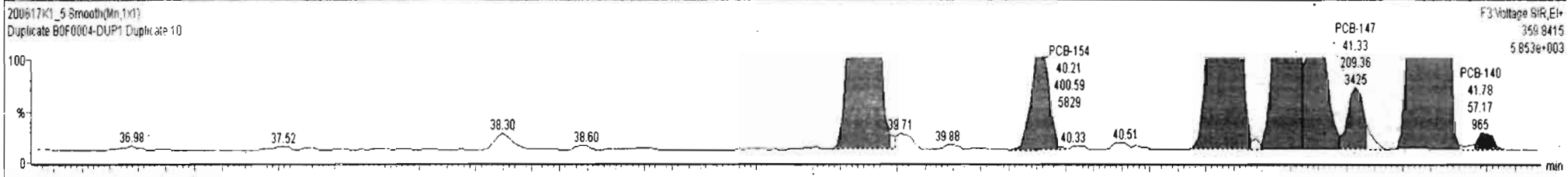
#	Name	Resp	RA	nly	RRF	wtMol	PredRT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0735	5.008	0.00		0.000		NO	23.79		1.64	26.08
231	231 3rd Function Hexa-PCBs				0.9505	5.008	0.00		0.000		NO	343.1		4.26	347.1
232	232 4th Function Hexa-PCBs				1.0316	5.008	0.00		0.000		NO	491.7		8.33	508.6

#	Name	PredRT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	99 PCB-150	38.32	38.30	6.681e1	2.565e1	1.240	2.60	YES	0.46162	0.00000
2	1.. PCB-136	39.60	39.58	3.023e3	2.195e3	1.240	1.38	NO	44.493	44.493
3	1.. PCB-154	40.22	40.21	4.006e2	2.853e2	1.240	1.40	NO	6.4972	6.4972
4	1.. PCB-151	40.88	40.87	3.779e3	2.872e3	1.240	1.32	NO	73.611	73.611
5	1.. PCB-135	41.09	41.09	1.602e3	1.243e3	1.240	1.29	NO	26.850	26.850
6	1.. PCB-144	41.20	41.18	6.623e2	4.749e2	1.240	1.39	NO	12.548	12.548
7	1.. PCB-147	41.33	41.33	2.094e2	1.047e2	1.240	2.00	YES	2.4466	0.00000
8	1.. PCB-139/49	41.62	41.59	1.109e4	8.414e3	1.240	1.32	NO	179.09	179.09



#	Name	Resp	RA	nly	RRF	wtAvt	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0735	5.008	0.00		0.000		NO	23.79		1.64	26.08
231	231 3rd Function Hexa-PCBs				0.9505	5.008	0.00		0.000		NO	343.0		4.28	346.6
232	232 4th Function Hexa-PCBs				1.0316	5.008	0.00		0.000		NO	491.7		8.33	508.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
1	1... PCB-136	39.60	39.58	3.023e3	2.199e3	1.240	1.37	NO	44.523	44.523
2	1... PCB-154	40.22	40.21	4.006e2	2.813e2	1.240	1.42	NO	6.4593	6.4593
3	1... PCB-151	40.88	40.87	3.779e3	2.872e3	1.240	1.32	NO	73.611	73.611
4	1... PCB-135	41.09	41.09	1.602e3	1.238e3	1.240	1.29	NO	26.801	26.801
5	1... PCB-144	41.20	41.18	6.623e2	4.739e2	1.240	1.40	NO	12.536	12.536
6	1... PCB-147	41.33	41.33	2.094e2	1.047e2	1.240	2.00	YES	2.4466	0.00000
7	1... PCB-139/149	41.62	41.59	1.109e4	8.414e3	1.240	1.32	NO	179.09	179.09
8	1... PCB-140	41.80	41.78	5.717e1	6.089e1	1.240	0.94	YES	1.1328	0.00000





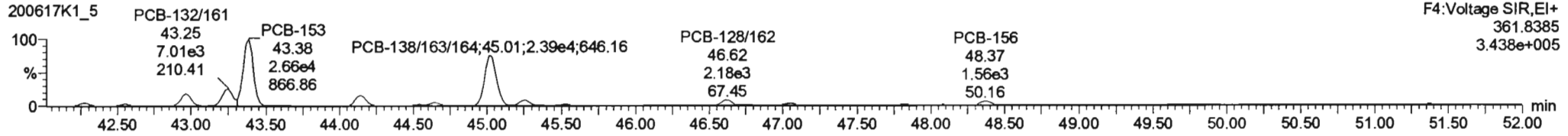
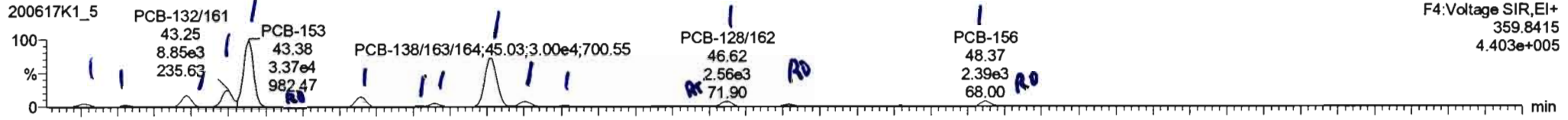
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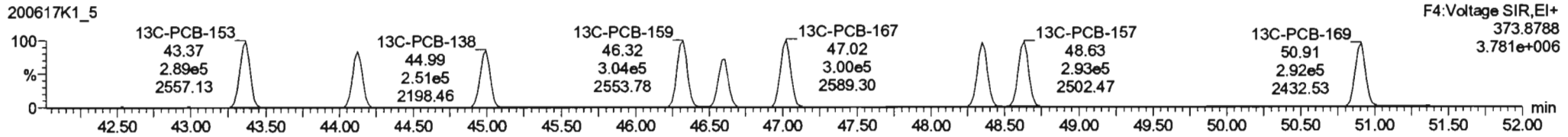
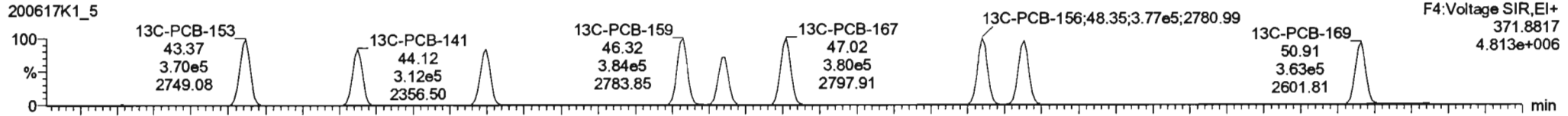
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Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

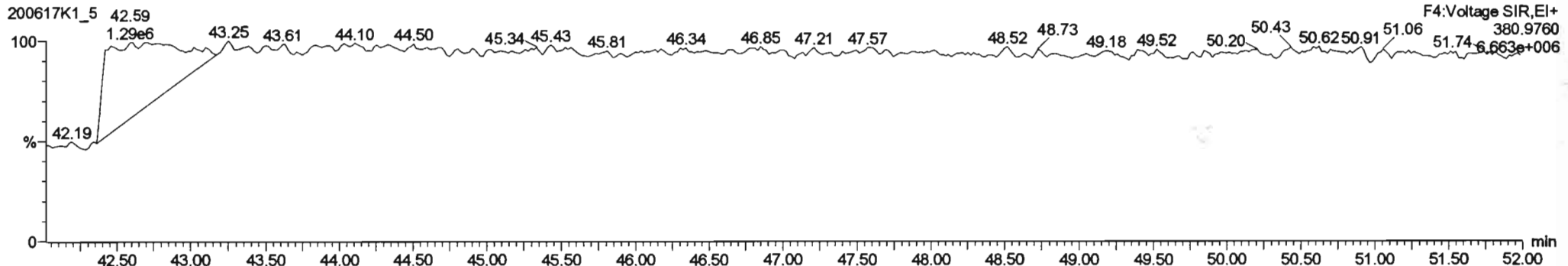
**PCB-134/143**



**13C-PCB-153**



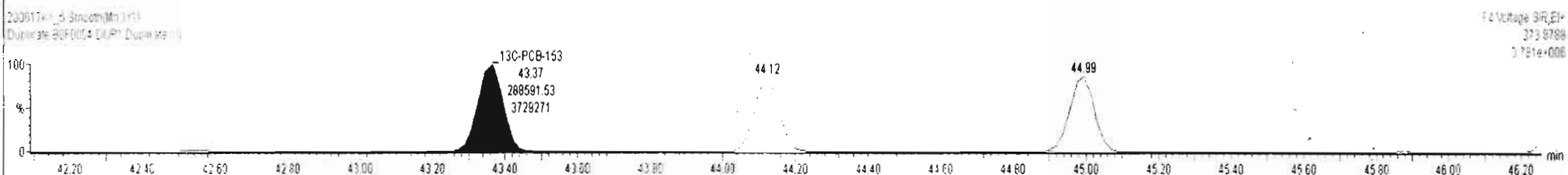
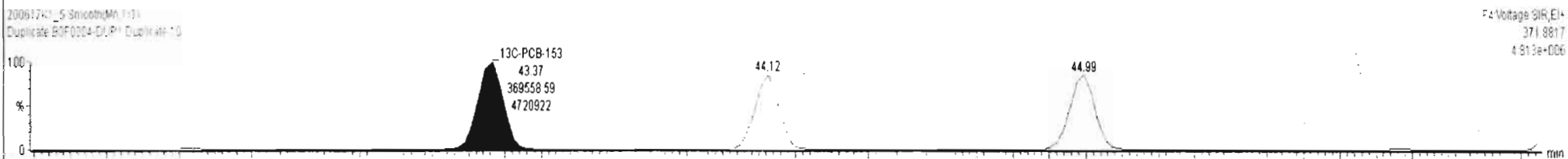
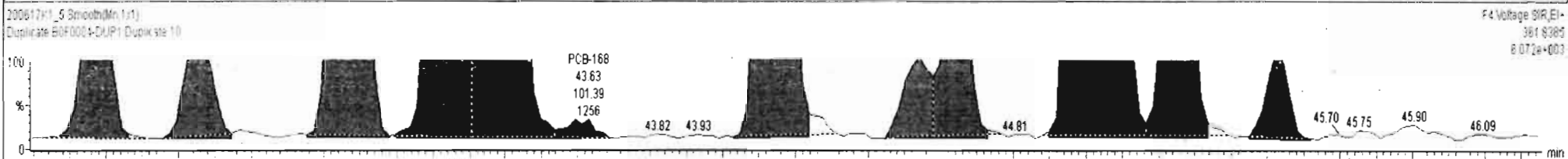
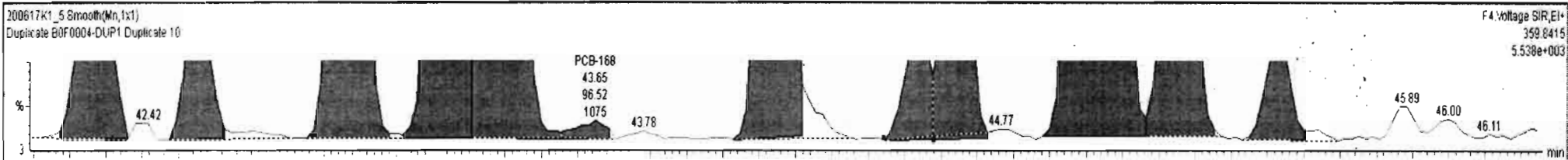
**PFK4b**



200617K1\_5 - B0F0004-DUP1 Duplicate 10 - Duplicate

#	Name	Resp	RA	nly	RRF	wt/rd	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				1.0316	5.008	0.00		0.000		NO	491.3		8.33	508.2
233	233 Total Hepta-PCBs				1.3551	5.008	0.00		0.000		NO	390.2		8.75	410.8
234	234 4th Function Octa-PCBs				1.0008	5.008	0.00		0.000		NO	58.15		2.85	60.51

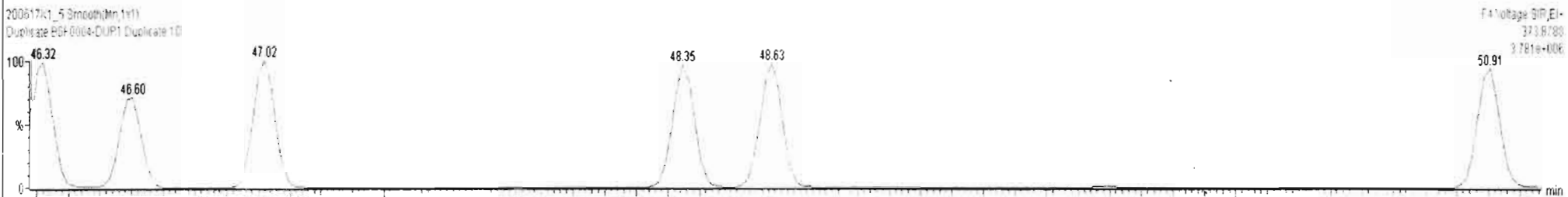
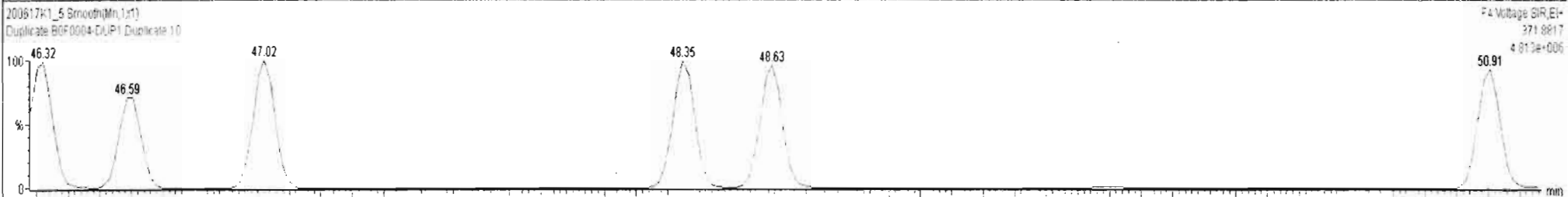
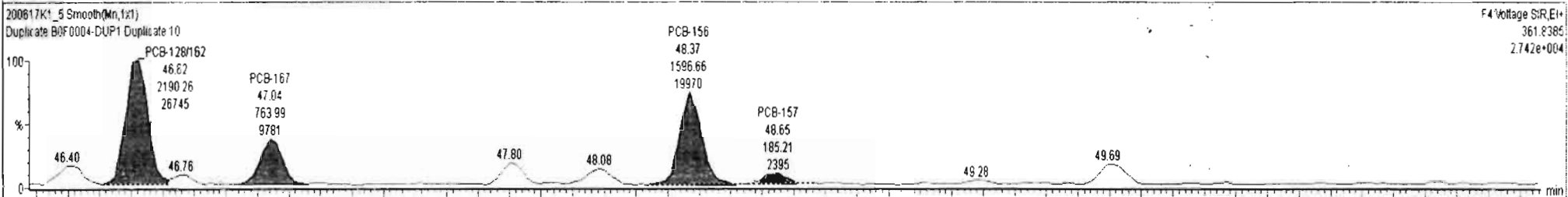
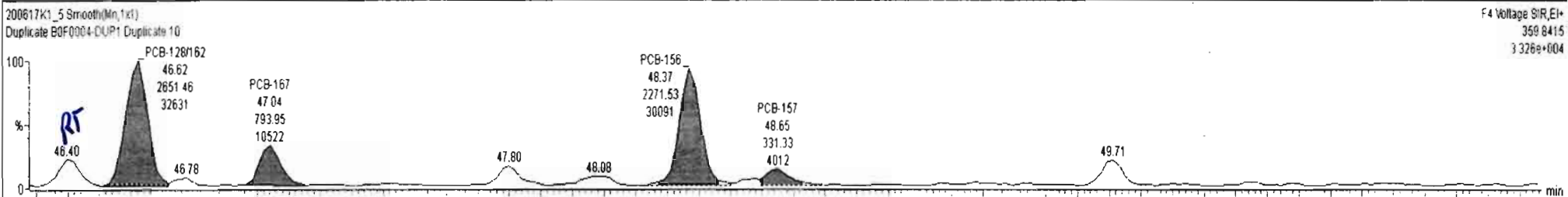
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1	1... PCB-134/143	42.28	42.27	1.559e3	1.113e3	1.240	1.40	NO	10.680	10.680
2	1... PCB-131/133	42.58	42.55	7.482e2	6.621e2	1.240	1.13	NO	5.2125	5.2125
3	1... PCB-146/165	42.97	42.97	5.620e3	4.789e3	1.240	1.17	NO	31.061	31.061
4	1... PCB-132/161	43.20	43.25	8.854e3	7.033e3	1.240	1.26	NO	47.062	47.062
5	1... PCB-153	43.38	43.38	3.370e4	2.658e4	1.240	1.27	NO	170.82	170.82
6	1... PCB-168	43.61	43.65	9.652e1	1.014e2	1.240	0.95	YES	0.49103	0.00000
7	1... PCB-141	44.14	44.14	5.159e3	4.341e3	1.240	1.19	NO	33.279	33.279
8	1... PCB-137	44.54	44.54	5.157e2	4.613e2	1.240	1.12	NO	3.1643	3.1643
9	1... PCB-130	44.64	44.63	1.462e3	1.094e3	1.240	1.34	NO	10.381	10.381
10	1... PCB-138/163/164	45.03	45.03	3.002e4	2.398e4	1.240	1.25	NO	147.61	147.61
11	1... PCB-158/160	45.28	45.26	2.518e3	2.078e3	1.240	1.21	NO	13.020	13.020
12	1... PCB-129	45.54	45.53	4.876e2	4.158e2	1.240	1.17	NO	3.8621	3.8621



Ready

#	Name	Resp	RA	nly	RRF	wfvol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				1.0316	5.008	0.00		0.000		NO	501.9		8.33	507.4
233	233 Total Hepta-PCBs				1.3551	5.008	0.00		0.000		NO	390.2		6.75	410.8
234	234 4th Function Octa-PCBs				1.0008	5.008	0.00		0.000		NO	58.15		2.85	60.51

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
13	I... PCB-128/162	46.63	46.62	2.651e3	2.190e3	1.240	1.21	NO	15.488	15.488
14	I... PCB-167	47.04	47.04	7.839e2	7.640e2	1.240	1.04	YES	3.7986	0.00000
15	I... PCB-156	48.37	48.37	2.272e3	1.597e3	1.240	1.42	NO	10.296	10.296
16	I... PCB-157	48.67	48.65	3.313e2	1.852e2	1.240	1.79	YES	1.1966	0.00000



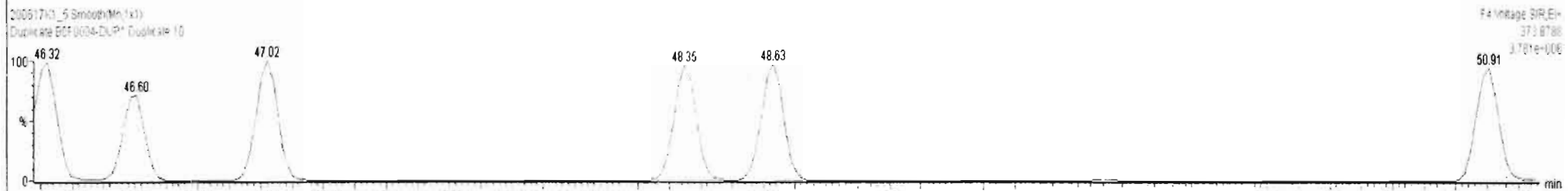
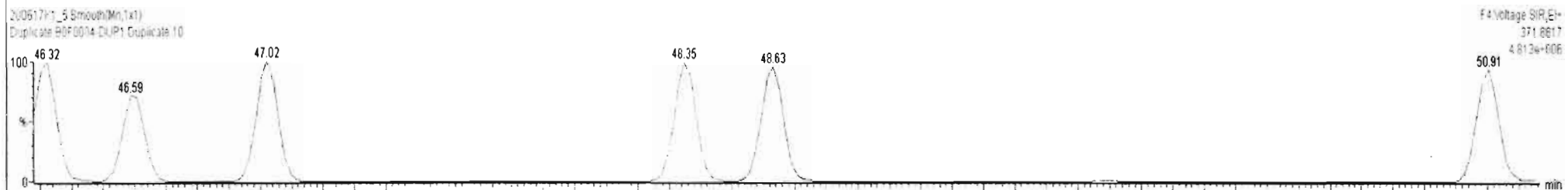
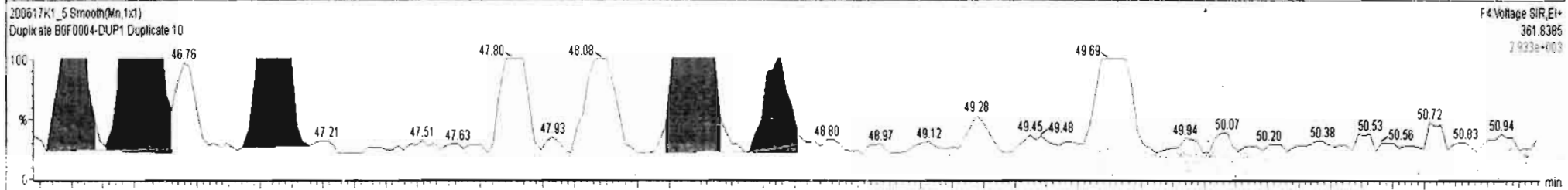
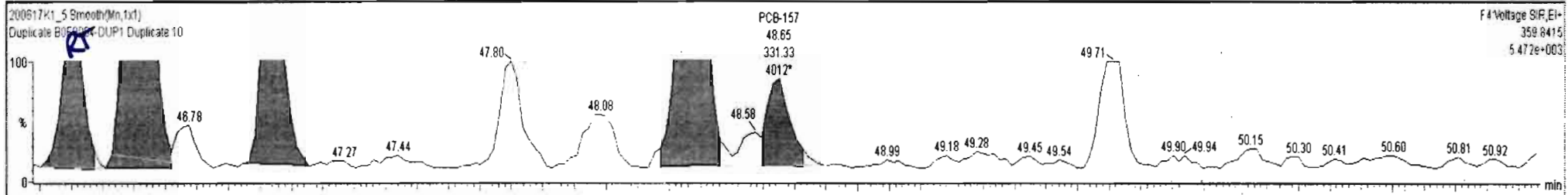


200617K1\_5 - B0F0004-DUP1 Duplicate 10 - Duplicate

#	Name	Resp	RA	nly	RRF	wt%of	Pred.RT	RT	Pred.RL	RRT	RRT Fail	Conc	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				1.0316	5.008	0.00		0.000		NO	491.3		8.33	508.2
233	233 Total Hepta-PCBs				1.3551	5.008	0.00		0.000		NO	390.2		8.75	410.8
234	234 4th Function Octa-PCBs				1.0008	5.008	0.00		0.000		NO	56.15		2.85	60.51

#	Name	Peak RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	nly	EMPC	Conc
13	1... PCB-159	46.34	46.40	5.389e2	3.766e2	1.240	1.43	YES	2.0129	0.00000
14	1... PCB-128/162	46.63	46.62	2.556e3	2.180e3	1.240	1.17	NO	15.149	15.149
15	1... PCB-167	47.04	47.04	7.939e2	7.640e2	1.240	1.04	YES	3.7986	0.00000
16	1... PCB-156	48.37	48.37	2.387e3	1.563e3	1.240	1.53	YES	9.3219	0.00000
17	1... PCB-157	48.67	48.65	3.450e2	1.930e2	1.240	1.78	YES	1.2511	0.00000

RT

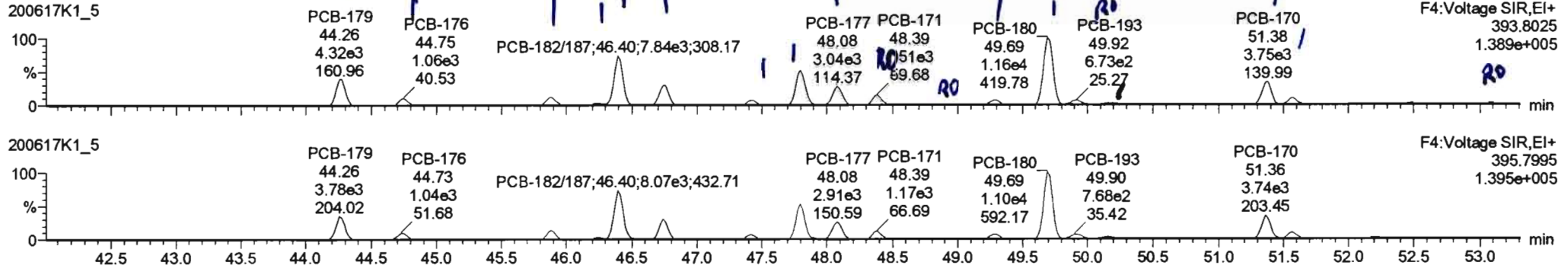


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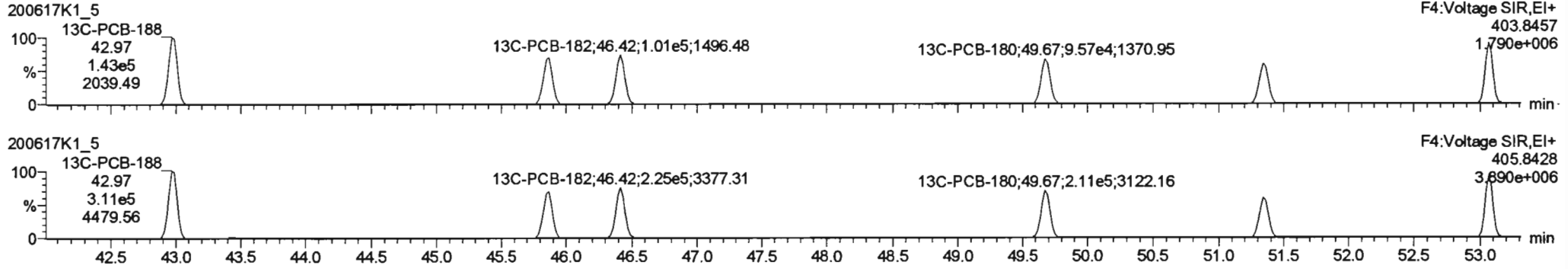
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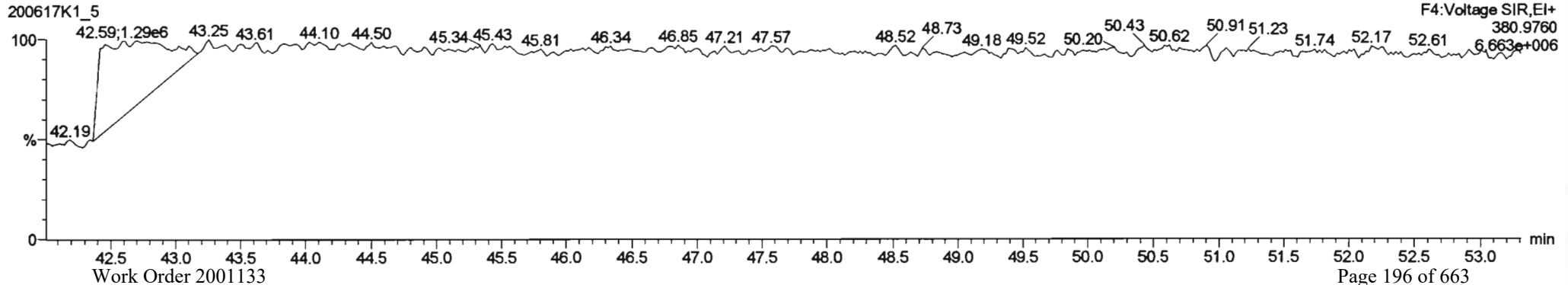
**PCB-188**



**13C-PCB-188**

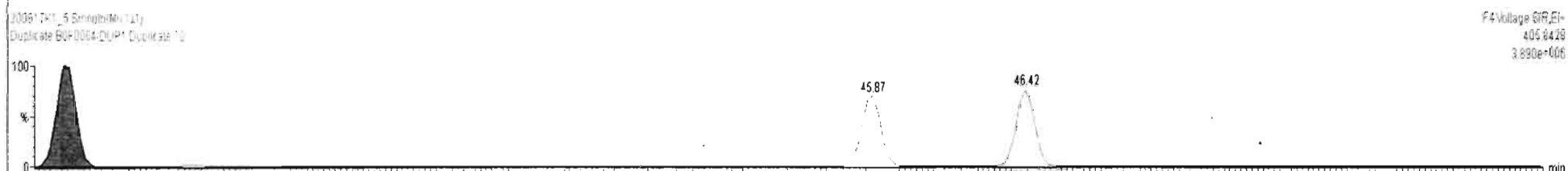
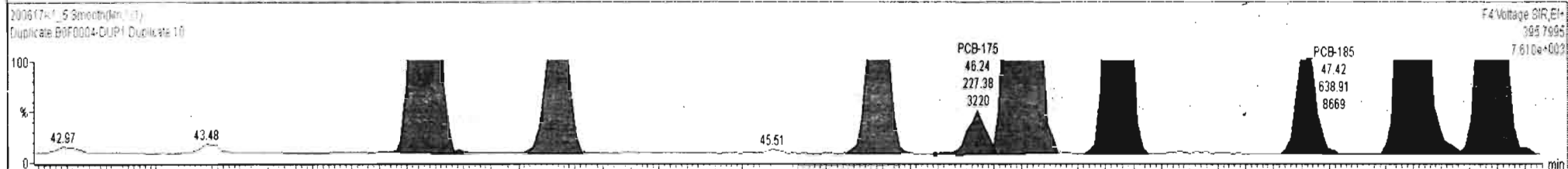
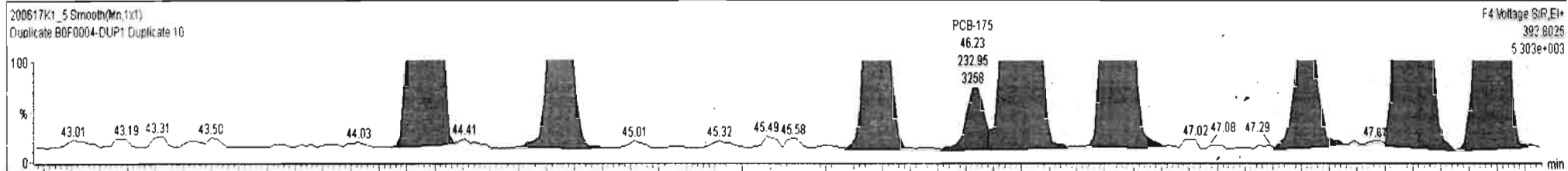


**PFK4c**



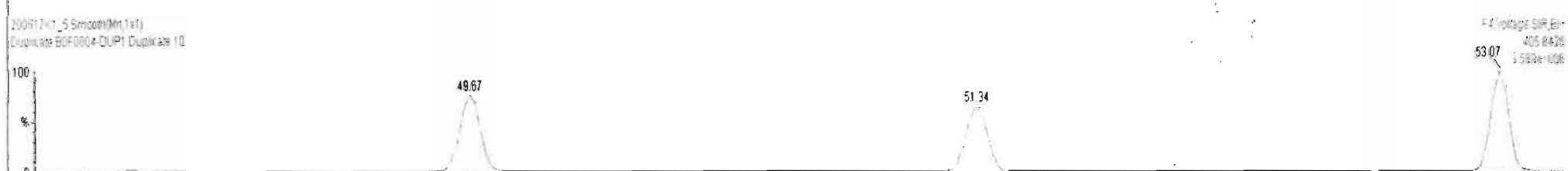
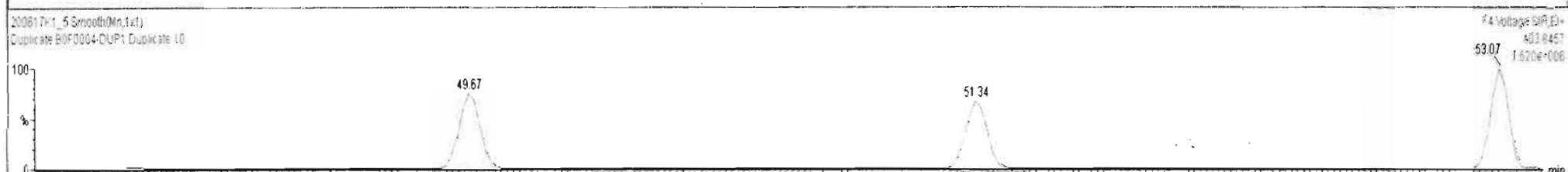
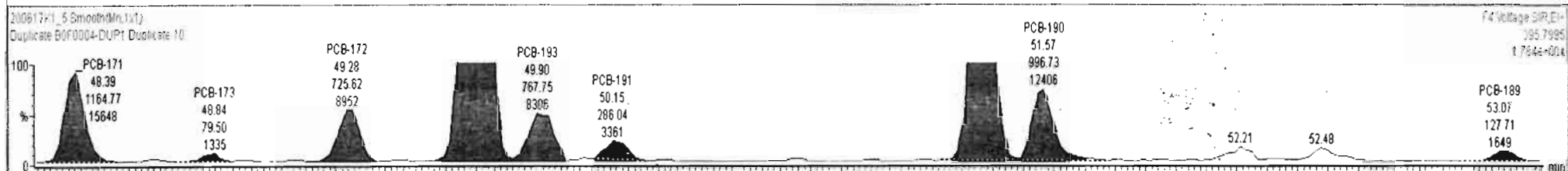
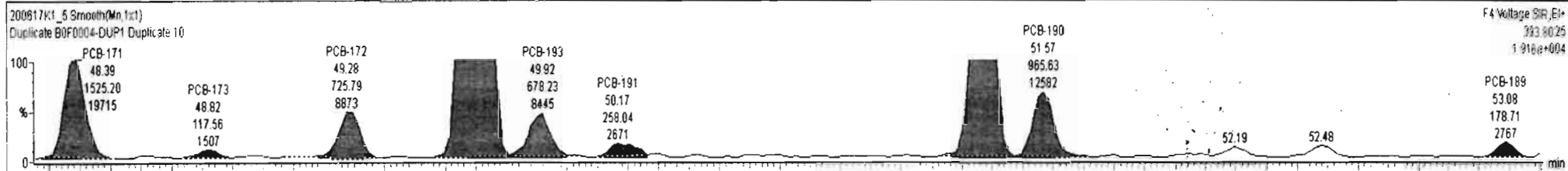
#	Name	Resp	RA	nly	RRF	wMol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.008	0.00		0.000		NO	390.2		8.75	410.8
234	234 4th Function Octa-PCBs				1.0008	5.008	0.00		0.000		NO	58.15		2.85	60.51
235	235 5th Function Octa-PCBs				1.1499	5.008	0.00		0.000		NO	26.48		1.47	26.97

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	1... PCB-179	44.26	44.26	4.323e3	3.783e3	1.050	1.14	NO	27.449	27.449
2	2... PCB-176	44.72	44.75	1.061e3	1.038e3	1.050	1.02	NO	7.0501	7.0501
3	3... PCB-178	45.87	45.88	1.229e3	1.313e3	1.050	0.94	NO	11.844	11.844
4	4... PCB-175	46.22	46.23	2.329e2	2.274e2	1.050	1.02	NO	2.1158	2.1158
5	5... PCB-182/187	46.40	46.40	7.842e3	8.065e3	1.050	0.97	NO	65.579	65.579
6	6... PCB-183	46.74	46.74	3.309e3	3.128e3	1.050	1.06	NO	27.661	27.661
7	7... PCB-185	47.42	47.42	6.787e2	6.389e2	1.050	1.06	NO	6.0991	6.0991
8	8... PCB-174	47.81	47.80	5.682e3	5.522e3	1.050	1.03	NO	53.854	53.854
9	9... PCB-177	48.06	48.08	3.038e3	2.913e3	1.050	1.04	NO	30.300	30.300



#	Name	Resp	RA	n/y	RRF	wt/ol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.008	0.00		0.000		NO	392.7		8.75	411.5
234	234 4th Function Octa-PCBs				1.0008	5.008	0.00		0.000		NO	58.15		2.85	60.51
235	235 5th Function Octa-PCBs				1.1439	5.008	0.00		0.000		NO	26.48		1.47	26.97

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
10	1 PCB-171	48.36	48.39	1.525e3	1.165e3	1.050	1.31	YES	11.804	0.00000
11	1 PCB-173	48.80	48.82	1.176e2	7.950e1	1.050	1.48	YES	0.89121	0.00000
12	1 PCB-172	49.28	49.28	7.258e2	7.256e2	1.050	1.00	NO	6.8669	6.8669
13	1 PCB-180	49.69	49.69	1.159e4	1.100e4	1.050	1.05	NO	104.14	104.14
14	1 PCB-193	49.90	49.92	6.782e2	7.677e2	1.050	0.88	YES	5.1381	0.00000
15	1 PCB-191	50.17	50.17	2.580e2	2.860e2	1.050	0.90	NO	2.0700	2.0700
16	1 PCB-170	51.36	51.38	3.774e3	3.760e3	1.050	1.00	NO	39.818	39.818
17	1 PCB-190	51.55	51.57	9.656e2	9.967e2	1.050	0.97	NO	7.8473	7.8473
18	1 PCB-189	53.09	53.08	1.787e2	1.277e2	1.050	1.40	YES	1.0111	0.00000



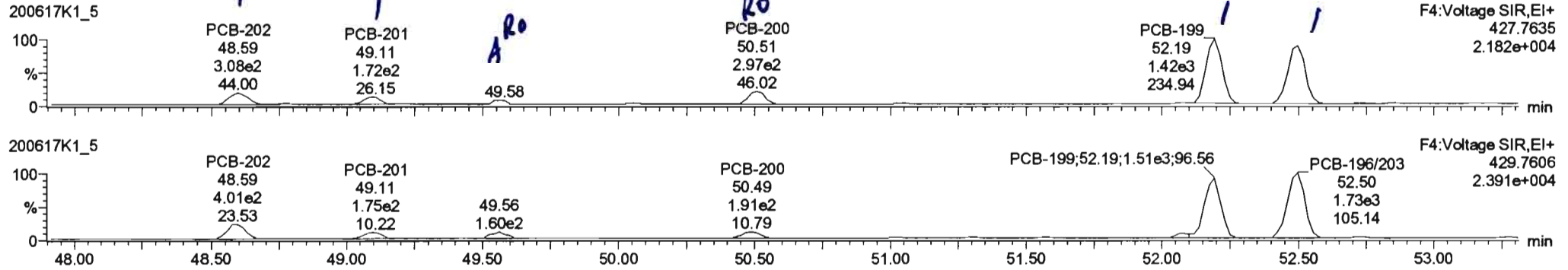


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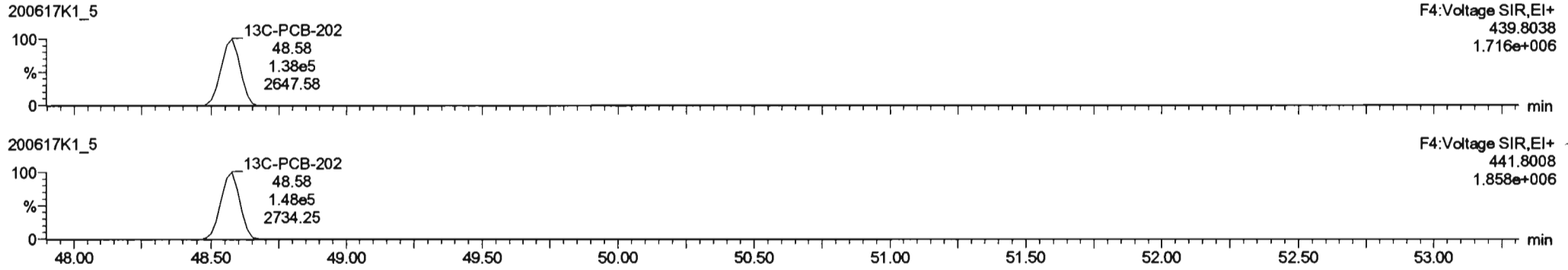
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Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

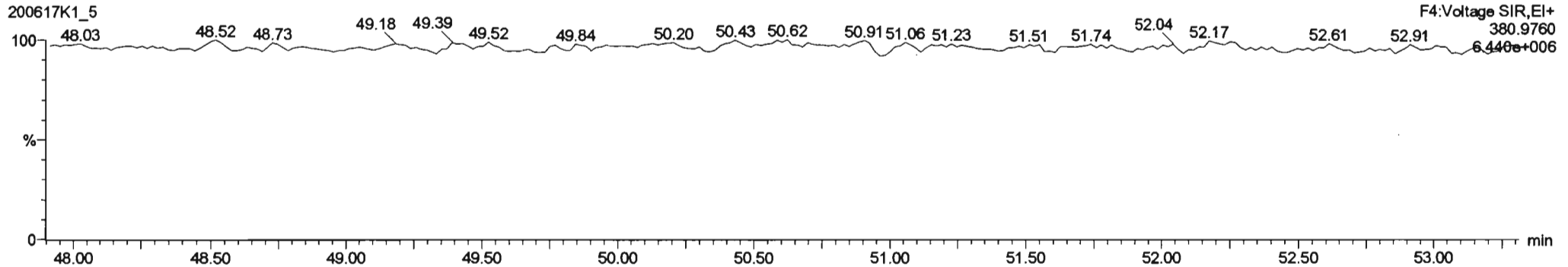
**PCB-202**



**13C-PCB-202**

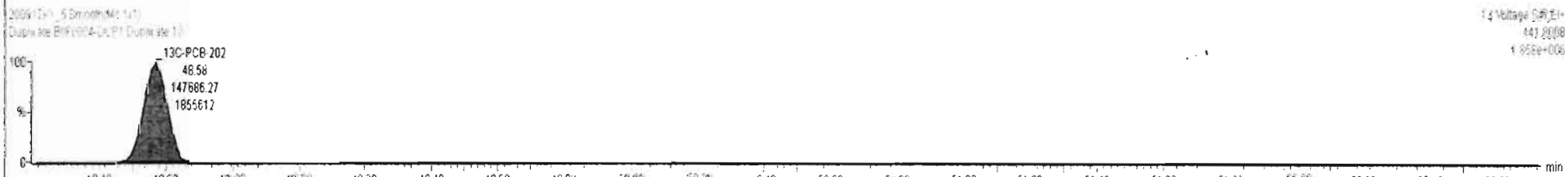
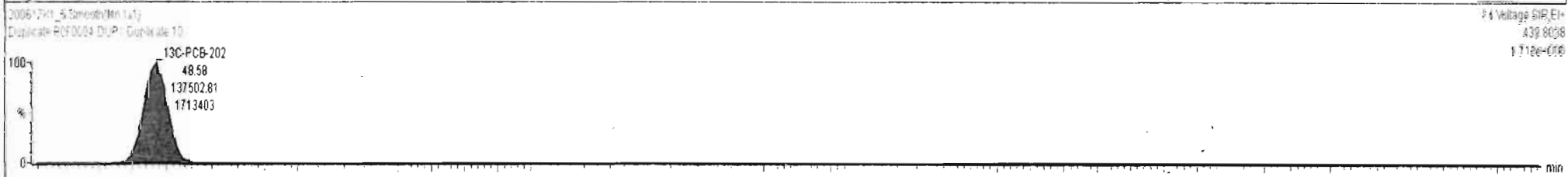
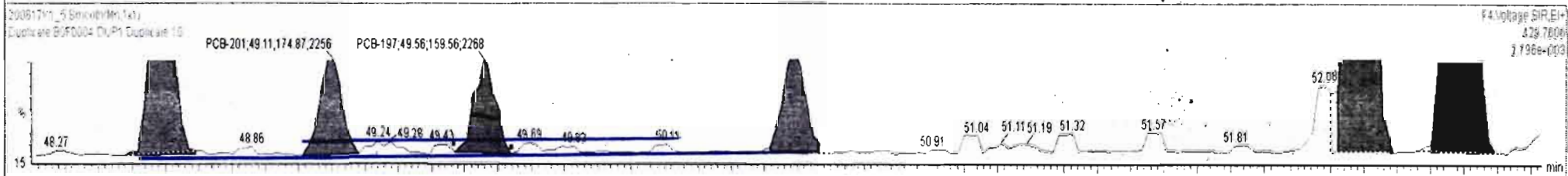
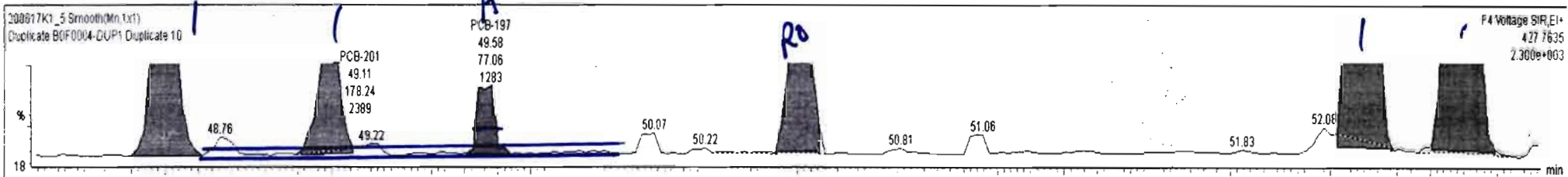


**PFK4d**



#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.008	0.00		0.000		NO	392.7		8.75	411.5
234	234 4th Function Octa-PCBs				1.0006	5.008	0.00		0.000		NO	58.07		2.85	61.34
235	235 5th Function Octa-PCBs				1.1499	5.008	0.00		0.000		NO	26.48		1.47	26.97

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1... PCB-202	48.61	48.58	3.084e2	4.067e2	0.890	0.76	NO	4.2852	4.2852
2	1... PCB-201	49.10	49.11	1.762e2	1.749e2	0.890	1.02	NO	2.3483	2.3483
3	1... PCB-197	49.57	49.58	7.706e1	1.596e2	0.890	0.48	YES	1.0115	0.00000
4	1... PCB-200	50.50	50.51	2.869e2	1.827e2	0.890	1.57	YES	2.2581	0.00000
5	1... PCB-199	52.18	52.19	1.441e3	1.485e3	0.890	0.97	NO	25.307	25.307
6	1... PCB-196/203	52.50	52.50	1.402e3	1.727e3	0.890	0.81	NO	26.131	26.131



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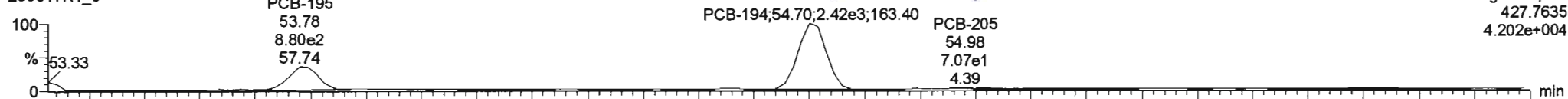
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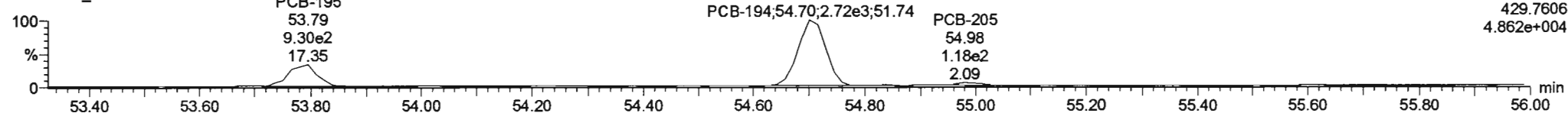
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**PCB-195**

200617K1\_5

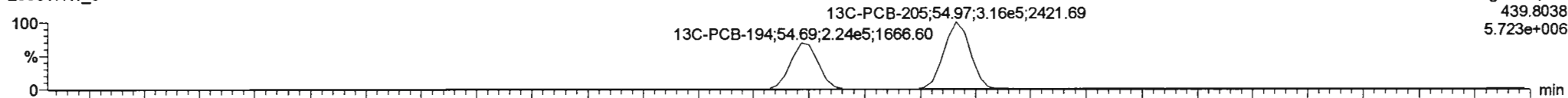


200617K1\_5

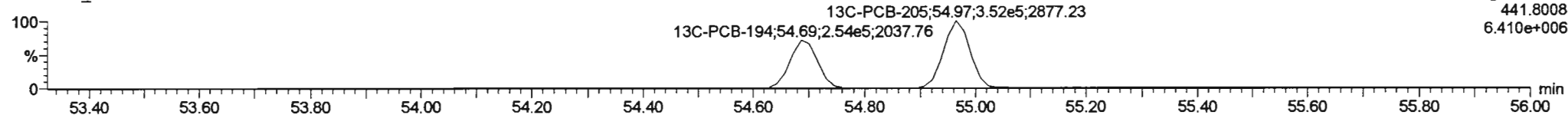


**13C-PCB-194**

200617K1\_5

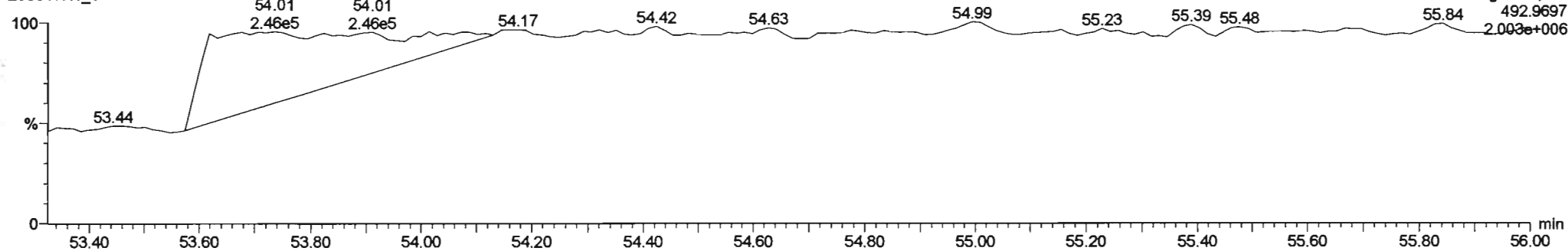


200617K1\_5



**PFK5a**

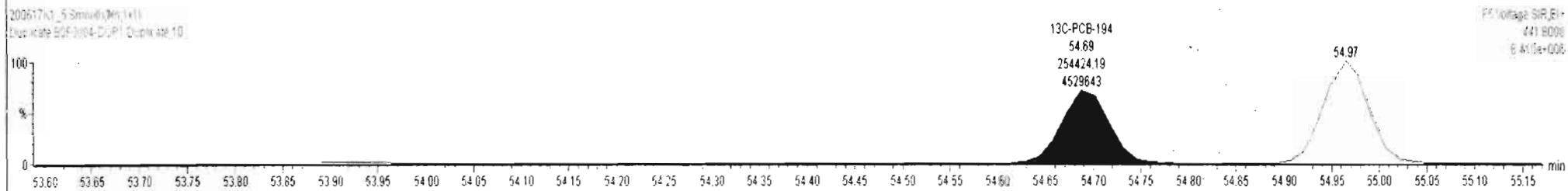
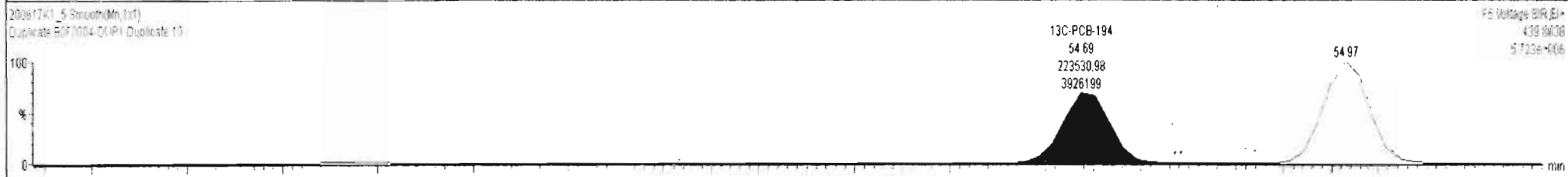
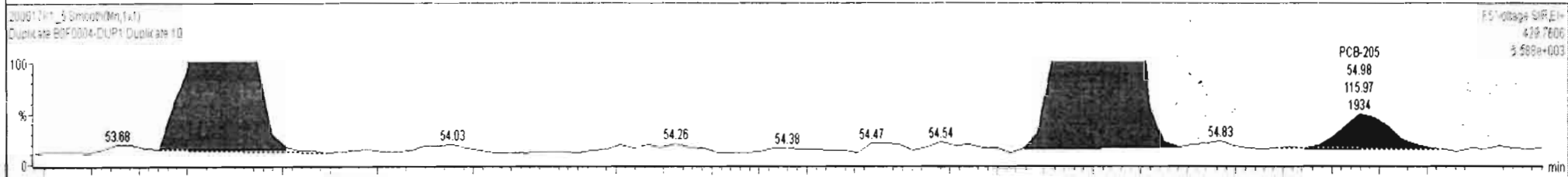
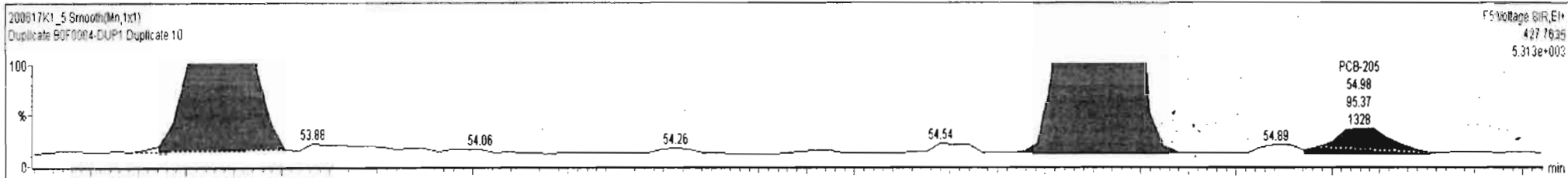
200617K1\_5





#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.008	0.00		0.000		NO	392.7		8.75	411.5
234	234 4th Function Octa-PCBs				1.0008	5.008	0.00		0.000		NO	58.07		2.85	61.34
235	235 5th Function Octa-PCBs				1.1489	5.008	0.00		0.000		NO	27.11		1.47	27.11

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1... PCB-195	53.78	53.78	8.769e2	9.199e2	0.890	0.95	NO	7.1867	7.1867
2	1... PCB-194	54.70	54.70	2.424e3	2.715e3	0.890	0.86	NO	19.239	19.239
3	1... PCB-205	54.97	54.98	9.537e1	1.160e2	0.890	0.82	NO	0.68473	0.68473

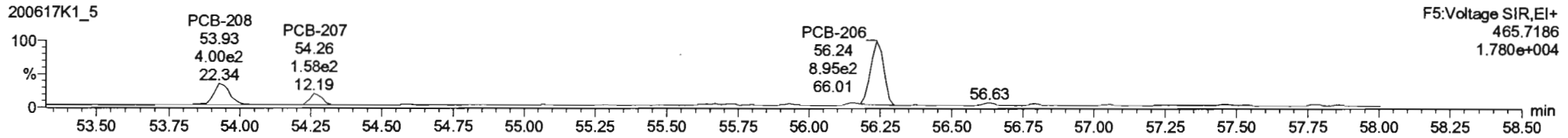
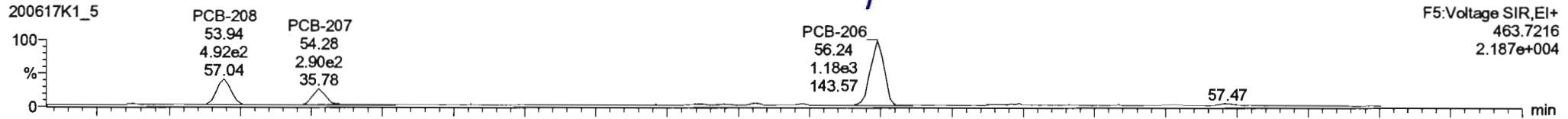


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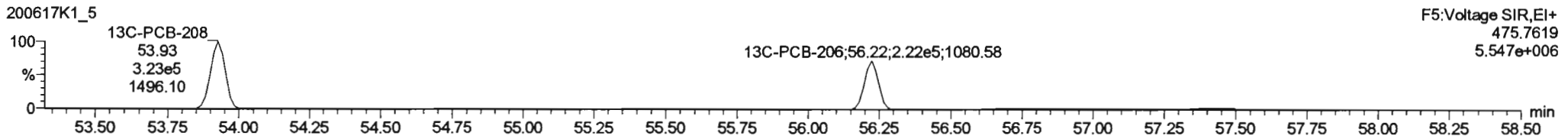
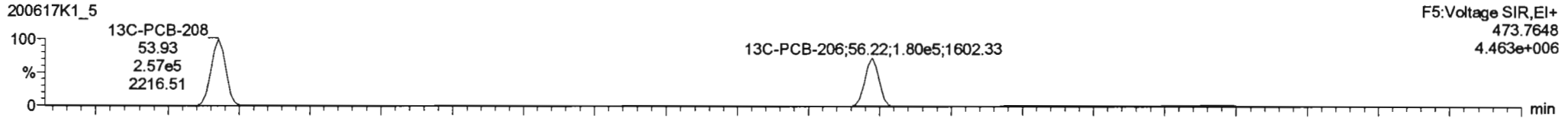
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

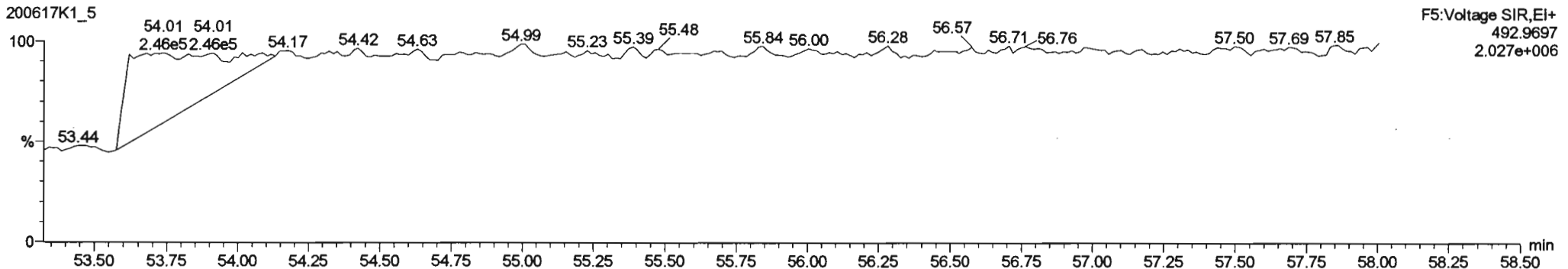
**PCB-208**



**13C-PCB-208**

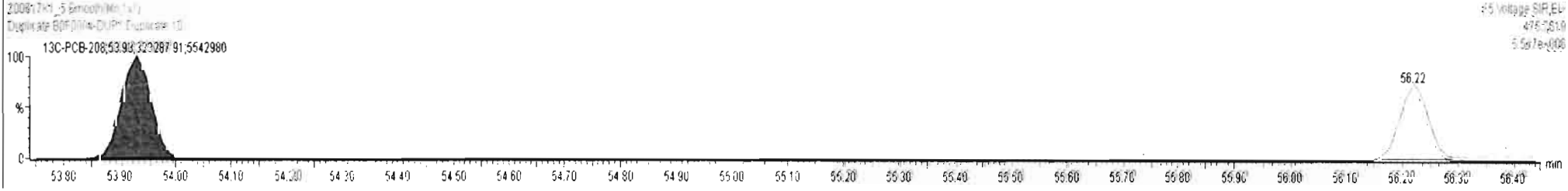
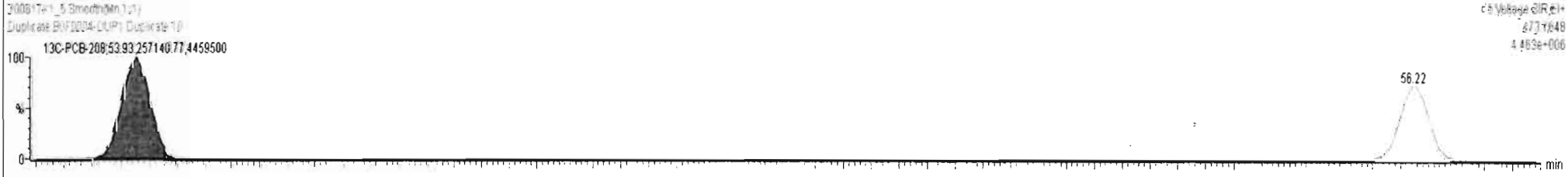
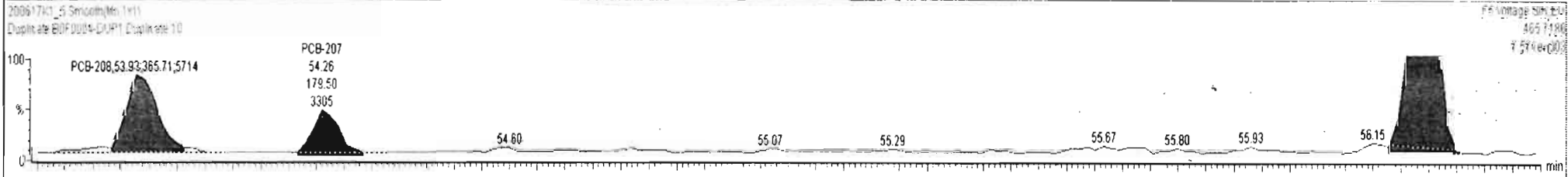
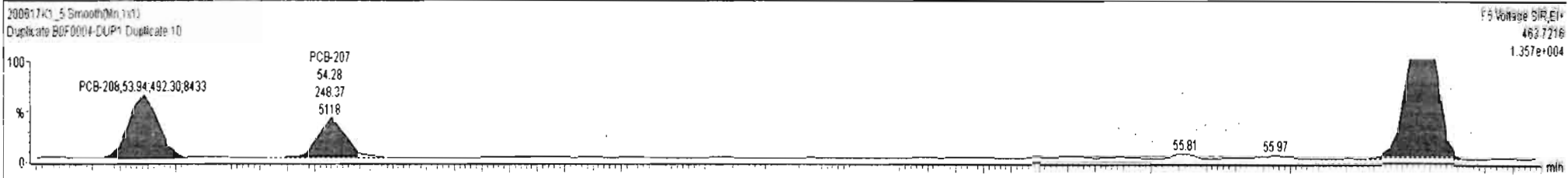


**PFK5**



#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fai	Conc	%Rec	DL	EMPC
236	236 Total Nona-PCBs				0.9523	5.008	0.00		0.000		NO	15.12		0.568	15.12
237	237 Deca-CB				0.9864	5.008	0.00		0.000		NO	7.594		0.243	7.594
238	238 Total PCBs														

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc
1	1... PCB-206	53.94	53.94	4.923e2	3.657e2	1.340	1.35	NO	3.1631	3.1631
2	1... PCB-207	54.26	54.26	2.464e2	1.795e2	1.340	1.38	NO	1.6062	1.6062
3	1... PCB-206	56.24	56.24	1.175e3	9.233e2	1.340	1.27	NO	10.349	10.349



Dataset: Untitled

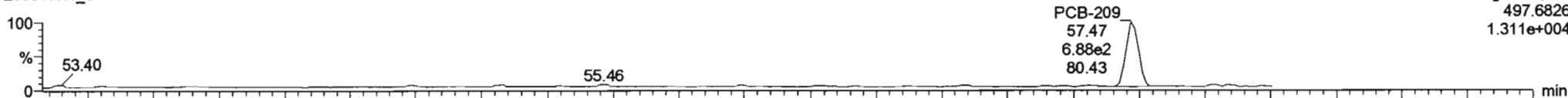
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_5, Date: 17-Jun-2020, Time: 17:21:54, ID: B0F0004-DUP1 Duplicate 10, Description: Duplicate

**PCB-209**

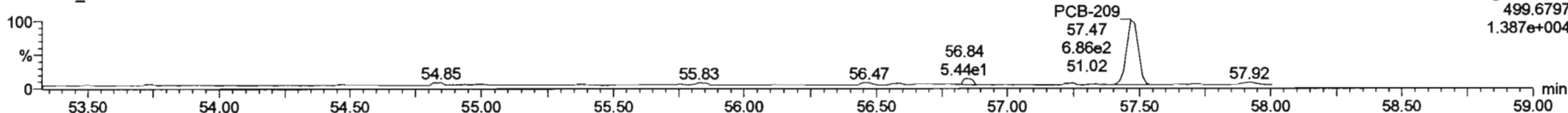
200617K1\_5

F5:Voltage SIR,EI+  
497.6826  
1.311e+004



200617K1\_5

F5:Voltage SIR,EI+  
499.6797  
1.387e+004



**13C-PCB-209**

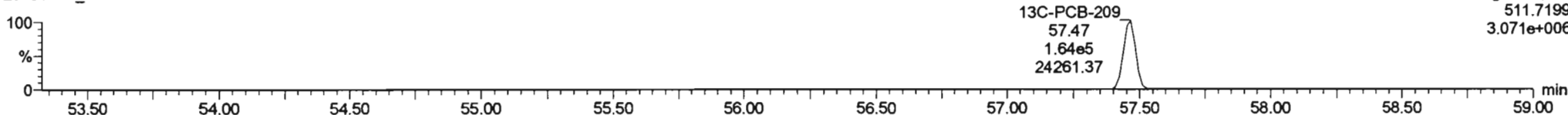
200617K1\_5

F5:Voltage SIR,EI+  
509.7229  
3.815e+006



200617K1\_5

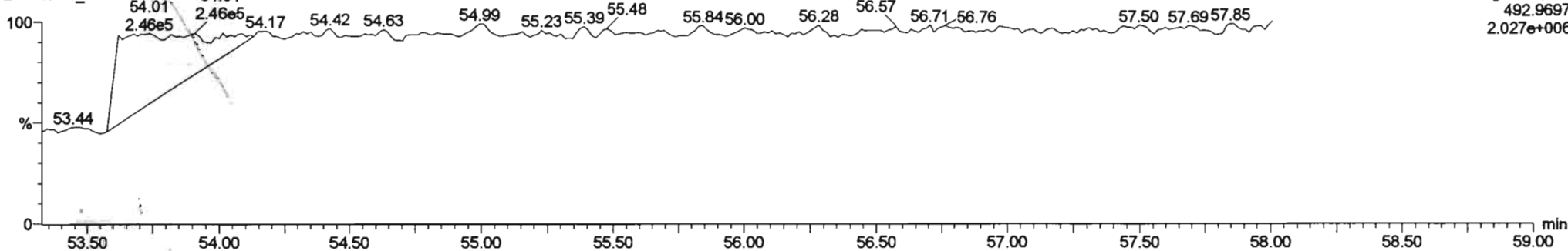
F5:Voltage SIR,EI+  
511.7199  
3.071e+006



**PFK5b**

200617K1\_5

F5:Voltage SIR,EI+  
492.9697  
2.027e+006



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-8.qld

Last Altered: Wednesday, July 08, 2020 18:04:51 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 18:07:17 Pacific Daylight Time

*July 07-08-2020*

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

*07/07/10/2020*

Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1			NO	1.17	5.455	15.54		1.001		YES			0.311	
2	2 PCB-2	6.44e2	3.31	NO	1.18	5.455	17.97	17.96	0.988	0.988	NO	0.7822		0.266	0.7822
3	3 PCB-3	9.18e2	2.94	NO	1.15	5.455	18.20	18.20	1.001	1.001	NO	1.148		0.274	1.148
4	4 PCB-4/10			NO	1.25	5.455	19.61		1.004		YES			1.33	
5	5 PCB-7/9			NO	0.960	5.455	21.43		1.003		YES			1.03	
6	6 PCB-6			NO	1.02	5.455	22.08		1.033		YES			0.967	
7	7 PCB-5/8			NO	0.992	5.455	22.49		1.052		YES			0.997	
8	8 PCB-14			NO	1.02	5.455	23.61		0.952		YES			1.06	
9	9 PCB-11			NO	1.13	5.455	24.83		1.001		YES			0.954	
10	10 PCB-12/13			NO	1.03	5.455	25.27		1.018		YES			1.05	
11	11 PCB-15			NO	1.03	5.455	25.58		1.031		YES			1.04	
12	12 PCB-19			NO	1.11	5.455	23.80		1.001		YES			0.967	
13	13 PCB-30			NO	1.79	5.455	24.70		1.039		YES			0.596	
14	14 PCB-18			NO	0.818	5.455	25.46		0.952		YES			0.868	
15	15 PCB-17			NO	0.758	5.455	25.63		0.958		YES			0.936	
16	16 PCB-24/27			NO	1.08	5.455	26.25		0.981		YES			0.656	
17	17 PCB-16/32			NO	0.925	5.455	26.77		1.001		YES			0.767	
18	18 PCB-34			NO	0.945	5.455	27.58		0.959		YES			0.871	
19	19 PCB-23			NO	0.883	5.455	27.67		0.962		YES			0.933	
20	20 PCB-29			NO	0.893	5.455	27.93		0.971		YES			0.923	
21	21 PCB-26			NO	0.944	5.455	28.16		0.979		YES			0.873	
22	22 PCB-25			NO	0.950	5.455	28.31		0.984		YES			0.867	
23	23 PCB-31	2.06e3	1.15	NO	1.04	5.455	28.68	28.68	0.997	0.997	NO	3.093		0.795	3.093
24	24 PCB-28	2.41e3	1.01	NO	1.03	5.455	28.79	28.79	1.001	1.001	NO	3.657		0.804	3.657
25	25 PCB-20/21/33	1.55e3	1.22	YES	0.941	5.455	29.43	29.44	1.023	1.023	NO	2.552		0.975	2.346
26	26 PCB-22			NO	0.973	5.455	29.87		1.038		YES			0.847	
27	27 PCB-36			NO	1.08	5.455	30.62		0.931		YES			0.886	
28	28 PCB-39			NO	0.988	5.455	31.11		0.946		YES			0.964	
29	29 PCB-38			NO	1.05	5.455	31.91		0.970		YES			0.906	
30	30 PCB-35			NO	1.04	5.455	32.45		0.987		YES			0.913	



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-8.qld

Last Altered: Wednesday, July 08, 2020 18:04:51 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 18:07:17 Pacific Daylight Time

Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	31 PCB-37			NO	1.01	5.455	32.90		1.001		YES			0.944	
32	32 PCB-54			NO	1.08	5.455	27.64		1.001		YES			0.298	
33	33 PCB-50			NO	0.880	5.455	28.83		1.044		YES			0.366	
34	34 PCB-53	7.26e2	0.69	NO	0.997	5.455	29.51	29.50	0.944	0.943	NO	1.629		0.375	1.629
35	35 PCB-51	3.31e2	0.85	NO	1.07	5.455	29.85	29.83	0.955	0.954	NO	0.6938		0.351	0.6938
36	36 PCB-45	3.06e2	0.83	NO	0.858	5.455	30.30	30.28	0.969	0.968	NO	0.7967		0.435	0.7967
37	37 PCB-46			NO	0.831	5.455	30.80		0.985		YES			0.450	
38	38 PCB-52/69	4.76e3	0.72	NO	1.17	5.455	31.30	31.28	1.001	1.001	NO	9.123		0.320	9.123
39	39 PCB-73			NO	1.44	5.455	31.41		1.005		YES			0.259	
40	40 PCB-43/49	2.97e3	0.72	NO	1.02	5.455	31.59	31.60	1.010	1.011	NO	6.530		0.368	6.530
41	41 PCB-47	1.49e3	0.83	NO	0.922	5.455	31.80	31.82	1.001	1.001	NO	3.304		0.402	3.304
42	42 PCB-48/75	6.30e2	1.36	YES	1.12	5.455	31.92	31.93	1.004	1.005	NO	<del>1.150</del>		<del>0.251</del>	0.8634
43	43 PCB-65			NO	1.28	5.455	32.19		1.013		YES			0.289	
44	44 PCB-62			NO	1.13	5.455	32.29		1.016		YES			0.328	
45	45 PCB-44			NO	0.824	5.455	32.64		1.027		YES			0.449	
46	46 PCB-42/59			NO	1.05	5.455	32.87		1.034		YES			0.353	
47	47 PCB-41/64/71/72	2.27e3	0.74	NO	1.19	5.455	33.47	33.50	1.053	1.054	NO	3.911		0.312	3.911
48	48 PCB-68			NO	1.28	5.455	33.72		1.051		YES			0.290	
49	49 PCB-40			NO	0.602	5.455	33.95		1.068		YES			0.615	
50	50 PCB-57			NO	1.16	5.455	34.32		0.969		YES			0.255	
51	51 PCB-67			NO	1.08	5.455	34.64		0.978		YES			0.273	
52	52 PCB-58			NO	1.20	5.455	34.76		0.982		YES			0.246	
53	53 PCB-63			NO	1.07	5.455	34.91		0.986		YES			0.276	
54	54 PCB-74	1.80e3	0.71	NO	1.19	5.455	35.22	35.21	0.994	0.994	NO	2.718		0.250	2.718
55	55 PCB-61/70	4.81e3	0.71	NO	1.05	5.455	35.43	35.43	1.000	1.001	NO	8.160		0.281	8.160
56	56 PCB-76/66	3.70e3	0.66	NO	1.16	5.455	35.62	35.64	1.006	1.006	NO	5.688		0.254	5.688
57	57 PCB-80			NO	1.19	5.455	35.86		1.001		YES			0.245	
58	58 PCB-55			NO	1.17	5.455	36.18		1.010		YES			0.249	
59	59 PCB-56/60	1.61e3	0.72	NO	1.02	5.455	36.70	36.70	1.024	1.024	NO	2.763		0.286	2.763
60	60 PCB-79			NO	1.14	5.455	37.80		1.055		YES			0.255	
61	61 PCB-78			NO	1.14	5.455	38.52		0.987		YES			0.263	
62	62 PCB-81			NO	1.05	5.455	39.06		1.000		YES			0.286	
63	63 PCB-77	3.92e2	0.77	NO	1.14	5.455	39.68	39.69	1.000	1.001	NO	0.6352		0.282	0.6352

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-8.qld

Last Altered: Wednesday, July 08, 2020 18:04:51 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 18:07:17 Pacific Daylight Time

Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
64	64 PCB-104			NO	1.12	5.455	32.53		1.001		YES			0.480	
65	65 PCB-96			NO	1.15	5.455	33.85		1.041		YES			0.467	
66	66 PCB-103			NO	0.936	5.455	34.42		1.059		YES			0.576	
67	67 PCB-100			NO	0.954	5.455	34.77		1.069		YES			0.565	
68	68 PCB-94			NO	0.949	5.455	35.19		0.985		YES			0.663	
69	69 PCB-95/98/102	5.87e3	1.40	NO	1.20	5.455	35.67	35.75	0.999	1.001	NO	18.20		0.522	18.20
70	70 PCB-93			NO	0.935	5.455	35.79		1.002		YES			0.673	
71	71 PCB-88/91	7.34e2	1.63	NO	1.06	5.455	36.14	36.16	1.012	1.012	NO	2.575		0.591	2.575
72	72 PCB-121			NO	1.71	5.455	36.23		1.015		YES			0.368	
73	73 PCB-84/92	2.54e3	1.54	NO	1.02	5.455	37.10	37.09	0.990	0.990	NO	9.221		0.594	9.221
74	74 PCB-89			NO	1.11	5.455	37.27		0.995		YES			0.547	
75	75 PCB-90/101	6.48e3	1.65	NO	1.12	5.455	37.48	37.48	1.000	1.000	NO	21.30		0.539	21.30
76	76 PCB-113			NO	1.51	5.455	37.72		1.007		YES			0.399	
77	77 PCB-99	2.63e3	1.78	NO	1.32	5.455	37.81	37.81	1.009	1.009	NO	7.344		0.458	7.344
78	78 PCB-119	2.85e2	1.47	NO	1.81	5.455	38.30	38.28	0.987	0.987	NO	0.6650		0.385	0.6650
79	79 PCB-108/112	2.18e2	0.95	YES	1.44	5.455	38.46	38.43	0.991	0.990	NO	0.6332		0.481	0.5074
80	80 PCB-83			NO	1.83	5.455	38.61		0.995		YES			0.379	
81	81 PCB-97	1.38e3	1.41	NO	1.28	5.455	38.82	38.80	1.000	1.000	NO	4.544		0.542	4.544
82	82 PCB-86			NO	1.12	5.455	38.97		1.004		YES			0.622	
83	83 PCB-87/117/125	1.65e3	1.14	YES	1.56	5.455	39.12	39.12	1.008	1.008	NO	4.449		0.446	3.896
84	84 PCB-111/115	2.65e2	2.05	YES	1.91	5.455	39.27	39.34	1.012	1.014	NO	0.5643		0.364	0.4910
85	85 PCB-85/116	6.68e2	1.77	NO	1.41	5.455	39.40	39.40	1.015	1.015	NO	1.992		0.493	1.992
86	86 PCB-120			NO	2.01	5.455	39.66		1.022		YES			0.347	
87	87 PCB-110	7.25e3	1.50	NO	1.74	5.455	39.79	39.79	1.026	1.025	NO	17.51		0.399	17.51
88	88 PCB-82			NO	0.781	5.455	40.44		0.976		YES			0.676	
89	89 PCB-124			NO	1.40	5.455	41.15		0.993		YES			0.378	
90	90 PCB-107/109	5.35e2	1.38	NO	1.34	5.455	41.29	41.31	0.996	0.997	NO	1.235		0.394	1.235
91	91 PCB-123			NO	1.20	5.455	41.46		1.000		YES			0.441	
92	92 PCB-106/118	5.20e3	1.74	NO	1.22	5.455	41.67	41.65	1.001	1.000	NO	12.64		0.427	12.64
93	93 PCB-114			NO	1.14	5.455	42.33		1.000		YES			0.297	
94	94 PCB-122			NO	0.944	5.455	42.47		1.004		YES			0.359	
95	95 PCB-105	1.77e3	1.40	NO	1.05	5.455	43.21	43.23	1.000	1.001	NO	3.650		0.323	3.650
96	96 PCB-127			NO	1.06	5.455	43.57		1.000		YES			0.300	



Dataset: U:\WG11.PRO\Results\200617K1\200617K1-8.qld

Last Altered: Wednesday, July 08, 2020 18:04:51 Pacific Daylight Time  
Printed: Wednesday, July 08, 2020 18:07:17 Pacific Daylight Time

Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
97	97 PCB-126			NO	1.17	5.455	45.52		1.000		YES			0.305	
98	98 PCB-155			NO	1.04	5.455	37.00		1.000		YES			0.284	
99	99 PCB-150			NO	1.08	5.455	38.32		1.036		YES			0.273	
100	1... PCB-152			NO	1.19	5.455	38.80		1.049		YES			0.249	
101	1... PCB-145			NO	1.19	5.455	39.27		1.062		YES			0.249	
102	1... PCB-136	5.48e2	1.08	NO	1.02	5.455	39.60	39.60	1.071	1.071	NO	3.263		0.290	3.263
103	1... PCB-148			NO	0.842	5.455	39.71		1.074		YES			0.352	
104	1... PCB-154	2.07e2	0.59	YES	0.919	5.455	40.22	40.22	1.088	1.088	NO	1.370		0.322	0.9187
105	1... PCB-151	1.16e3	1.54	YES	0.787	5.455	40.88	40.87	1.105	1.105	NO	8.925		0.376	7.867
106	1... PCB-135	6.41e2	1.01	YES	0.922	5.455	41.09	41.09	1.111	1.111	NO	4.221		0.321	3.833
107	1... PCB-144	1.29e2	1.69	YES	0.789	5.455	41.20	41.22	1.114	1.115	NO	0.9956		0.375	0.8290
108	1... PCB-147	1.23e2	1.22	NO	0.834	5.455	41.33	41.35	1.118	1.118	NO	0.8988		0.355	0.8988
109	1... PCB-139/149	3.79e3	1.08	NO	0.948	5.455	41.62	41.61	1.125	1.125	NO	24.32		0.312	24.32
110	1... PCB-140			NO	0.794	5.455	41.80		1.130		YES			0.373	
111	1... PCB-134/143	3.28e2	1.24	NO	0.759	5.455	42.28	42.28	0.975	0.975	NO	1.019		0.469	1.019
112	1... PCB-131/133	3.91e2	1.06	NO	0.821	5.455	42.58	42.55	0.982	0.981	NO	1.124		0.434	1.124
113	1... PCB-142			NO	0.754	5.455	42.72		0.985		YES			0.472	
114	1... PCB-146/165	2.27e3	1.32	NO	1.02	5.455	42.97	42.99	0.991	0.991	NO	5.266		0.350	5.266
115	1... PCB-132/161	2.12e3	1.25	NO	1.02	5.455	43.20	43.25	0.996	0.997	NO	4.881		0.348	4.881
116	1... PCB-153	1.07e4	1.26	NO	1.07	5.455	43.38	43.38	1.000	1.000	NO	23.68		0.333	23.68
117	1... PCB-168			NO	1.08	5.455	43.61		1.006		YES			0.330	
118	1... PCB-141	1.27e3	1.25	NO	1.03	5.455	44.14	44.16	1.000	1.001	NO	3.569		0.432	3.569
119	1... PCB-137			NO	1.11	5.455	44.54		1.010		YES			0.399	
120	1... PCB-130	5.28e2	1.14	NO	0.885	5.455	44.64	44.65	1.012	1.012	NO	1.715		0.501	1.715
121	1... PCB-138/163/164	8.83e3	1.23	NO	1.28	5.455	45.03	45.03	1.001	1.001	NO	18.72		0.318	18.72
122	1... PCB-158/160	7.57e2	1.11	NO	1.24	5.455	45.28	45.28	1.006	1.006	NO	1.660		0.329	1.660
123	1... PCB-129			NO	0.867	5.455	45.54		1.012		YES			0.471	
124	1... PCB-166			NO	1.14	5.455	46.01		0.993		YES			0.299	
125	1... PCB-159			NO	1.22	5.455	46.34		1.000		YES			0.281	
126	1... PCB-128/162	9.91e2	1.07	NO	0.907	5.455	46.63	46.62	1.007	1.007	NO	2.423		0.376	2.423
127	1... PCB-167	2.86e2	1.28	NO	1.11	5.455	47.04	47.06	1.000	1.001	NO	0.5857		0.322	0.5857
128	1... PCB-156	7.49e2	1.30	NO	1.13	5.455	48.39	48.39	1.000	1.000	NO	1.531		0.325	1.531
129	1... PCB-157			NO	1.04	5.455	48.67		1.001		YES			0.343	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-8.qld

Last Altered: Wednesday, July 08, 2020 18:04:51 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 18:07:17 Pacific Daylight Time

Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
130	1... PCB-169			NO	1.16	5.455	50.93		1.000		YES			0.326	
131	1... PCB-188			NO	1.29	5.455	43.02		1.001		YES			0.235	
132	1... PCB-184			NO	1.23	5.455	43.45		1.011		YES			0.246	
133	1... PCB-179	2.34e3	1.12	NO	1.30	5.455	44.28	44.28	1.030	1.030	NO	5.683		0.233	5.683
134	1... PCB-176	6.87e2	1.11	NO	1.31	5.455	44.74	44.75	1.041	1.041	NO	1.655		0.231	1.655
135	1... PCB-186			NO	1.33	5.455	45.37		1.055		YES			0.228	
136	1... PCB-178	9.76e2	1.07	NO	0.943	5.455	45.89	45.90	1.067	1.068	NO	3.262		0.321	3.262
137	1... PCB-175	1.86e2	1.95	YES	0.956	5.455	46.24	46.24	1.076	1.076	NO	0.6119		0.316	0.4253
138	1... PCB-182/187	6.33e3	1.07	NO	1.07	5.455	46.42	46.42	1.080	1.080	NO	18.74		0.284	18.74
139	1... PCB-183	2.02e3	0.95	NO	1.02	5.455	46.76	46.76	1.088	1.088	NO	6.221		0.296	6.221
140	1... PCB-185	4.95e2	1.06	NO	1.41	5.455	47.44	47.44	0.955	0.955	NO	1.599		0.315	1.599
141	1... PCB-174	3.16e3	0.98	NO	1.35	5.455	47.82	47.80	0.962	0.962	NO	10.62		0.327	10.62
142	1... PCB-181			NO	1.47	5.455	47.91		0.964		YES			0.300	
143	1... PCB-177	1.75e3	0.73	YES	1.28	5.455	48.08	48.08	0.968	0.968	NO	6.217		0.316	5.109
144	1... PCB-171	6.63e2	1.01	NO	1.32	5.455	48.38	48.39	0.974	0.974	NO	2.289		0.336	2.289
145	1... PCB-173			NO	1.19	5.455	48.82		0.983		YES			0.372	
146	1... PCB-172	6.05e2	1.64	YES	1.38	5.455	49.30	49.29	0.992	0.992	NO	1.999		0.322	1.552
147	1... PCB-192			NO	1.83	5.455	49.48		0.996		YES			0.242	
148	1... PCB-180	7.17e3	1.05	NO	1.41	5.455	49.71	49.71	1.000	1.000	NO	23.06		0.313	23.06
149	1... PCB-193	1.94e2	0.80	YES	1.68	5.455	49.92	49.92	1.005	1.005	NO	0.5263		0.264	0.4561
150	1... PCB-191			NO	1.71	5.455	50.18		1.010		YES			0.259	
151	1... PCB-170	1.79e3	1.04	NO	1.40	5.455	51.38	51.38	1.000	1.000	NO	6.646		0.365	6.646
152	1... PCB-190	5.98e2	1.52	YES	1.85	5.455	51.57	51.57	1.004	1.004	NO	1.679		0.276	1.367
153	1... PCB-189			NO	1.45	5.455	53.09		1.000		YES			0.232	
154	1... PCB-202	3.03e3	0.89	NO	1.17	5.455	48.61	48.59	1.001	1.000	NO	12.44		0.525	12.44
155	1... PCB-201	6.65e2	1.01	NO	1.05	5.455	49.10	49.09	1.011	1.011	NO	3.029		0.582	3.029
156	1... PCB-204			NO	1.14	5.455	49.25		1.014		YES			0.537	
157	1... PCB-197	2.05e2	0.88	NO	1.13	5.455	49.57	49.58	1.020	1.021	NO	0.8674		0.541	0.8674
158	1... PCB-200	5.02e2	0.66	YES	1.07	5.455	50.50	50.51	1.040	1.040	NO	2.281		0.573	1.900
159	1... PCB-198	2.71e2	0.97	NO	0.794	5.455	52.08	52.08	1.072	1.072	NO	1.636		0.772	1.636
160	1... PCB-199	5.86e3	0.96	NO	0.809	5.455	52.18	52.19	1.074	1.075	NO	34.72		0.757	34.72
161	1... PCB-196/203	4.46e3	1.20	YES	0.838	5.455	52.50	52.50	1.081	1.081	NO	25.53		0.731	21.90
162	1... PCB-195	7.03e2	1.19	YES	1.04	5.455	53.80	53.79	0.984	0.983	NO	2.711		0.417	2.339

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-8.qld

Last Altered: Wednesday, July 08, 2020 18:04:51 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 18:07:17 Pacific Daylight Time

Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
163	1... PCB-194	3.10e3	1.01	NO	1.12	5.455	54.72	54.72	1.000	1.000	NO	11.18		0.391	11.18
164	1... PCB-205			NO	1.29	5.455	54.98		1.005		YES			0.338	
165	1... PCB-208	1.48e4	1.32	NO	0.933	5.455	53.94	53.96	1.000	1.001	NO	44.83		0.290	44.83
166	1... PCB-207	2.04e3	1.02	YES	0.916	5.455	54.26	54.28	1.006	1.007	NO	6.322		0.255	5.584
167	1... PCB-206	2.50e4	1.29	NO	1.01	5.455	56.25	56.25	1.000	1.000	NO	104.2		0.390	104.2
168	1... PCB-209	3.56e4	1.15	NO	0.986	5.455	57.48	57.50	1.000	1.000	NO	145.7		0.252	145.7
169	1... 13C-PCB-1	1.21e6	3.25	NO	0.893	5.455	15.52	15.53	0.608	0.608	NO	1749	95.4	1.70	
170	1... 13C-PCB-3	1.28e6	3.18	NO	0.911	5.455	18.17	18.19	0.712	0.713	NO	1807	98.6	1.67	
171	1... 13C-PCB-4	7.71e5	1.59	NO	0.600	5.455	19.52	19.53	0.765	0.765	NO	1657	90.4	0.864	
172	1... 13C-PCB-9	1.21e6	1.54	NO	0.970	5.455	21.35	21.37	0.836	0.837	NO	1614	88.0	0.535	
173	1... 13C-PCB-11	1.24e6	1.54	NO	0.962	5.455	24.79	24.81	0.971	0.972	NO	1666	90.9	0.539	
174	1... 13C-PCB-19	6.93e5	1.05	NO	0.499	5.455	23.76	23.77	0.931	0.931	NO	1791	97.7	10.6	
175	1... 13C-PCB-32	1.05e6	1.05	NO	0.744	5.455	26.75	26.75	1.048	1.048	NO	1815	99.0	7.12	
176	1... 13C-PCB-28	1.18e6	1.03	NO	1.06	5.455	28.77	28.77	1.004	1.004	NO	1646	89.8	6.62	
177	1... 13C-PCB-37	1.20e6	1.00	NO	0.989	5.455	32.75	32.88	1.143	1.147	YES <i>OK</i>	1803	98.3	7.12	
178	1... 13C-PCB-54	9.39e5	0.78	NO	0.999	5.455	27.62	27.62	0.753	0.753	NO	1662	90.7	1.85	
179	1... 13C-PCB-52	8.20e5	0.76	NO	0.804	5.455	31.26	31.26	0.852	0.852	NO	1804	98.4	2.30	
180	1... 13C-PCB-47	2.96e5	0.78	NO	0.857	5.455	31.78	31.78	0.866	0.867	NO	1849	101	2.16	
181	1... 13C-PCB-70	1.02e6	0.79	NO	0.996	5.455	35.41	35.41	0.965	0.966	NO	1821	99.3	1.86	
182	1... 13C-PCB-80	1.05e6	0.78	NO	1.03	5.455	35.84	35.84	0.977	0.977	NO	1808	98.6	1.80	
183	1... 13C-PCB-81	1.05e6	0.79	NO	0.988	5.455	39.04	39.04	1.064	1.064	NO	1876	102	1.87	
184	1... 13C-PCB-77	9.94e5	0.81	NO	0.969	5.455	39.66	39.66	1.081	1.081	NO	1815	99.0	1.91	
185	1... 13C-PCB-104	6.38e5	1.60	NO	1.02	5.455	32.46	32.51	0.827	0.828	NO	1868	102	0.958	
186	1... 13C-PCB-95	4.91e5	1.66	NO	0.805	5.455	35.71	35.71	0.910	0.910	NO	1814	99.0	1.21	
187	1... 13C-PCB-101	4.97e5	1.64	NO	0.793	5.455	37.46	37.46	0.954	0.954	NO	1864	102	1.23	
188	1... 13C-PCB-97	4.36e5	1.66	NO	0.696	5.455	38.80	38.80	0.989	0.989	NO	1862	102	1.40	
189	1... 13C-PCB-123	5.92e5	1.61	NO	0.933	5.455	41.44	41.44	1.056	1.056	NO	1888	103	1.04	
190	1... 13C-PCB-118	6.19e5	1.64	NO	0.986	5.455	41.63	41.63	1.061	1.061	NO	1867	102	0.988	
191	1... 13C-PCB-114	8.31e5	1.56	NO	1.55	5.455	42.30	42.31	0.908	0.908	NO	1723	94.0	1.14	
192	1... 13C-PCB-105	8.47e5	1.55	NO	1.57	5.455	43.19	43.19	0.927	0.927	NO	1728	94.2	1.12	
193	1... 13C-PCB-127	8.81e5	1.58	NO	1.62	5.455	43.55	43.56	0.934	0.935	NO	1739	94.9	1.09	
194	1... 13C-PCB-126	7.94e5	1.54	NO	1.57	5.455	45.51	45.51	0.976	0.976	NO	1625	88.6	1.13	
195	1... 13C-PCB-155	3.02e5	1.37	NO	0.615	5.455	36.98	36.98	0.942	0.942	NO	1461	79.7	0.536	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-8.qld

Last Altered: Wednesday, July 08, 2020 18:04:51 Pacific Daylight Time  
 Printed: Wednesday, July 08, 2020 18:07:17 Pacific Daylight Time

Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
196	1... 13C-PCB-153	7.77e5	1.26	NO	1.36	5.455	43.36	43.37	0.930	0.930	NO	1827	99.7	1.20	
197	1... 13C-PCB-141	6.37e5	1.24	NO	1.13	5.455	44.13	44.12	0.947	0.947	NO	1812	98.9	1.45	
198	1... 13C-PCB-138	6.74e5	1.26	NO	1.18	5.455	44.99	44.99	0.965	0.965	NO	1825	99.5	1.38	
199	1... 13C-PCB-159	8.26e5	1.27	NO	1.44	5.455	46.32	46.32	0.994	0.994	NO	1841	100	1.14	
200	2... 13C-PCB-167	8.09e5	1.28	NO	1.44	5.455	47.02	47.02	1.009	1.009	NO	1802	98.3	1.14	
201	2... 13C-PCB-156	7.96e5	1.28	NO	1.40	5.455	48.34	48.37	1.037	1.038	NO	1828	99.7	1.17	
202	2... 13C-PCB-157	7.99e5	1.28	NO	1.40	5.455	48.63	48.63	1.043	1.043	NO	1833	100	1.17	
203	2... 13C-PCB-169	7.64e5	1.27	NO	1.33	5.455	50.91	50.91	1.092	1.092	NO	1842	100	1.23	
204	2... 13C-PCB-188	5.81e5	0.46	NO	1.41	5.455	42.98	42.99	0.926	0.926	NO	1813	98.9	0.902	
205	2... 13C-PCB-180	4.04e5	0.47	NO	0.929	5.455	49.67	49.69	1.070	1.071	NO	1910	104	1.37	
206	2... 13C-PCB-170	3.52e5	0.45	NO	0.794	5.455	51.35	51.36	1.106	1.107	NO	1951	106	1.60	
207	2... 13C-PCB-189	4.75e5	0.47	NO	1.04	5.455	53.09	53.06	1.144	1.143	NO	2000	109	1.22	
208	2... 13C-PCB-202	3.82e5	0.92	NO	1.04	5.455	48.57	48.58	1.046	1.047	NO	1622	88.5	0.885	
209	2... 13C-PCB-194	4.55e5	0.89	NO	0.768	5.455	54.72	54.70	0.995	0.995	NO	1794	97.8	2.45	
210	2... 13C-PCB-208	6.47e5	0.78	NO	0.991	5.455	53.95	53.93	0.981	0.981	NO	1976	108	2.76	
211	2... 13C-PCB-206	4.37e5	0.76	NO	0.552	5.455	56.24	56.24	1.023	1.023	NO	2396	131	4.95	
212	2... 13C-PCB-209	4.54e5	1.22	NO	0.396	5.455	57.49	57.48	1.046	1.045	NO	3465	189	0.461	
213	2... 13C-PCB-15	1.42e6	1.57	NO	1.00	5.455	25.51	25.53	1.000	1.000	NO	1833	100	0.518	
214	2... 13C-PCB-31	1.23e6	1.02	NO	1.00	5.455	28.64	28.66	1.000	1.000	NO	1833	100	7.04	
215	2... 13C-PCB-60	1.04e6	0.79	NO	1.00	5.455	36.66	36.68	1.000	1.000	NO	1833	100	1.85	
216	2... 13C-PCB-111	6.16e5	1.68	NO	1.00	5.455	39.23	39.25	1.000	1.000	NO	1833	100	0.974	
217	2... 13C-PCB-128	5.72e5	1.27	NO	1.00	5.455	46.59	46.60	1.000	1.000	NO	1833	100	1.64	
218	2... 13C-PCB-182	4.17e5	0.46	NO	1.00	5.455	46.40	46.42	0.000	0.000	NO	1833	100	1.27	
219	2... 13C-PCB-205	6.06e5	0.88	NO	1.00	5.455	54.97	54.98	1.000	1.000	NO	1833	100	1.88	
220	2... 13C-PCB-79	1.11e6	0.78	NO	1.07	5.455	37.78	37.78	1.030	1.030	NO	1835	100	1.73	
221	2... 13C-PCB-178	4.12e5	0.44	NO	0.766	5.455	45.86	45.87	0.988	0.988	NO	1725	94.1	1.20	
222	2... 13C-PCB-79	1.11e6	0.78	NO	1.08	5.455	37.78	37.78	0.968	0.968	NO	1794	97.8	1.67	
223	2... 13C-PCB-178	4.12e5	0.44	NO	1.05	5.455	45.87	45.87	0.923	0.923	NO	1782	97.2	1.26	
224	2... Total Mono-PCBs				1.17	5.455	0.00		0.000		NO	1.930		0.851	1.930
225	2... Total Di-PCBs				1.05	5.455	0.00		0.000		NO			4.2133	
226	2... 2nd Function Tri-PCBs				1.08	5.455	0.00		0.000		NO			4.79	
227	2... 3rd Function Tri-PCBs				0.983	5.455	0.00		0.000		NO	6.750	> 6.750	12.4	9.096
228	2... Total Tetra-PCBs				1.08	5.455	0.00		0.000		NO	45.95		10.3	46.81



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Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
229	2... 3rd Function Penta-PCBs				1.32	5.455	0.00		0.000		NO	97.23	> 100.88	14.2	102.1
230	2... 4th Function Penta-PCBs				1.07	5.455	0.00		0.000		NO	3.650		1.58	3.650
231	2... 3rd Function Hexa-PCBs				0.951	5.455	0.00		0.000		NO	28.48	> 94.65 -	4.13	41.93
232	2... 4th Function Hexa-PCBs				1.03	5.455	0.00		0.000		NO	66.17		7.46	66.17
233	2... Total Hepta-PCBs				1.36	5.455	0.00		0.000		NO	79.77		6.66	88.68
234	2... 4th Function Octa-PCBs				1.00	5.455	0.00		0.000		NO	52.69	> 63.87 -	5.02	76.50
235	2... 5th Function Octa-PCBs				1.15	5.455	0.00		0.000		NO	11.18		1.15	13.51
236	2... Total Nona-PCBs				0.952	5.455	0.00		0.000		NO	149.0		0.975	154.6
237	2... Deca-CB				0.986	5.455	0.00		0.000		NO	145.7		0.252	145.7
238	2... Total PCBs														

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Dataset: U:\VG11.PRO\Results\200617K1\200617K1-8.qld

Last Altered: Wednesday, July 08, 2020 18:04:51 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 18:07:53 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

ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

**Total Mono-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-2	17.97	17.96	9.556e3	2.968e3	4.948e2	1.494e2	3.31	NO	6.442e2	0.78221	0.78221	0.266
2	PCB-3	18.20	18.20	1.045e4	3.577e3	6.850e2	2.332e2	2.94	NO	9.182e2	1.1483	1.1483	0.274

**Total Di-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

**2nd Function Tri-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

**3rd Function Tri-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-31	28.68	28.68	1.372e4	1.305e4	1.105e3	9.566e2	1.15	NO	2.061e3	3.0931	3.0931	0.795
2	PCB-28	28.79	28.79	1.553e4	1.669e4	1.213e3	1.197e3	1.01	NO	2.411e3	3.6569	3.6569	0.804
3	PCB-20/21/33	29.43	29.44	1.131e4	8.751e3	8.491e2	6.961e2	1.22	YES	1.545e3	0.00000	2.3458	0.875

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Dataset: U:\VG11.PRO\Results\200617K1\200617K1-8.qld

Last Altered: Wednesday, July 08, 2020 18:04:51 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 18:07:53 Pacific Daylight Time

ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

**Total Tetra-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-53	29.51	29.50	3.734e3	5.528e3	2.964e2	4.298e2	0.69	NO	7.262e2	1.6291	1.6291	0.375
2	PCB-51	29.85	29.83	1.863e3	2.055e3	1.518e2	1.787e2	0.85	NO	3.305e2	0.69382	0.69382	0.351
3	PCB-45	30.30	30.28	1.375e3	2.081e3	1.391e2	1.668e2	0.83	NO	3.058e2	0.79669	0.79669	0.435
4	PCB-52/69	31.30	31.28	2.701e4	3.418e4	1.999e3	2.761e3	0.72	NO	4.760e3	9.1232	9.1232	0.320
5	PCB-43/49	31.59	31.60	1.466e4	1.943e4	1.237e3	1.730e3	0.72	NO	2.968e3	6.5303	6.5303	0.368
6	PCB-47	31.80	31.82	9.139e3	1.029e4	6.757e2	8.128e2	0.83	NO	1.489e3	3.3037	3.3037	0.402
7	PCB-48/75	31.92	31.93	3.733e3	3.152e3	3.628e2	2.671e2	1.36	YES	6.299e2	0.00000	0.86337	0.331
8	PCB-41/64/71/72	33.47	33.50	1.306e4	1.649e4	9.616e2	1.308e3	0.74	NO	2.270e3	3.9109	3.9109	0.312
9	PCB-74	35.22	35.21	9.593e3	1.120e4	7.446e2	1.056e3	0.71	NO	1.801e3	2.7178	2.7178	0.250
10	PCB-61/70	35.43	35.43	2.453e4	3.728e4	1.991e3	2.818e3	0.71	NO	4.809e3	8.1604	8.1604	0.281
11	PCB-76/66	35.62	35.64	1.816e4	2.674e4	1.473e3	2.230e3	0.66	NO	3.702e3	5.6876	5.6876	0.254
12	PCB-56/60	36.70	36.70	7.277e3	1.212e4	6.753e2	9.367e2	0.72	NO	1.612e3	2.7628	2.7628	0.286
13	PCB-77	39.68	39.69	2.204e3	3.674e3	1.700e2	2.215e2	0.77	NO	3.916e2	0.63524	0.63524	0.282

**3rd Function Penta-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-95/98/102	35.67	35.75	4.089e4	3.144e4	3.429e3	2.444e3	1.40	NO	5.872e3	18.203	18.203	0.522
2	PCB-88/91	36.14	36.16	6.327e3	4.322e3	4.555e2	2.790e2	1.63	NO	7.344e2	2.5752	2.5752	0.591
3	PCB-84/92	37.10	37.09	2.077e4	1.290e4	1.540e3	1.001e3	1.54	NO	2.542e3	9.2205	9.2205	0.594
4	PCB-90/101	37.48	37.48	5.017e4	2.943e4	4.029e3	2.448e3	1.65	NO	6.477e3	21.301	21.301	0.539
5	PCB-99	37.81	37.81	2.231e4	1.232e4	1.682e3	9.456e2	1.78	NO	2.628e3	7.3442	7.3442	0.458
6	PCB-119	38.30	38.28	2.406e3	2.011e3	1.697e2	1.157e2	1.47	NO	2.854e2	0.66501	0.66501	0.385
7	PCB-108/112	38.46	38.43	1.856e3	1.989e3	1.062e2	1.113e2	0.95	YES	2.175e2	0.00000	0.50737	0.481
8	PCB-97	38.82	38.80	8.310e3	7.481e3	8.107e2	5.741e2	1.41	NO	1.385e3	4.5440	4.5440	0.542
9	PCB-87/117/125	39.12	39.12	1.228e4	1.077e4	8.798e2	7.691e2	1.14	YES	1.649e3	0.00000	3.8957	0.446
10	PCB-111/115	39.27	39.34	2.454e3	1.366e3	1.783e2	8.710e1	2.05	YES	2.654e2	0.00000	0.49099	0.364
11	PCB-85/116	39.40	39.40	5.734e3	3.312e3	4.266e2	2.416e2	1.77	NO	6.682e2	1.9923	1.9923	0.493
12	PCB-110	39.79	39.79	5.577e4	3.593e4	4.356e3	2.896e3	1.50	NO	7.252e3	17.505	17.505	0.399
13	PCB-107/109	41.29	41.31	3.557e3	2.210e3	3.102e2	2.250e2	1.38	NO	5.352e2	1.2353	1.2353	0.394
14	PCB-106/118	41.67	41.65	3.878e4	2.507e4	3.303e3	1.898e3	1.74	NO	5.201e3	12.640	12.640	0.427



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Dataset: U:\VG11.PRO\Results\200617K1\200617K1-8.qld

Last Altered: Wednesday, July 08, 2020 18:04:51 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 18:07:53 Pacific Daylight Time

ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

4th Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-105	43.21	43.23	1.246e4	8.912e3	1.034e3	7.384e2	1.40	NO	1.772e3	3.6499	3.6499	0.323

3rd Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-136	39.60	39.60	3.645e3	3.545e3	2.851e2	2.633e2	1.08	NO	5.483e2	3.2627	3.2627	0.290
2	PCB-154	40.22	40.22	8.520e2	1.464e3	7.693e1	1.303e2	0.59	YES	2.072e2	0.00000	0.91866	0.322
3	PCB-151	40.88	40.87	9.905e3	6.026e3	7.009e2	4.547e2	1.54	YES	1.156e3	0.00000	7.8673	0.376
4	PCB-135	41.09	41.09	3.929e3	3.336e3	3.221e2	3.187e2	1.01	YES	6.408e2	0.00000	3.8327	0.321
5	PCB-144	41.20	41.22	1.372e3	8.560e2	8.124e1	4.807e1	1.69	YES	1.293e2	0.00000	0.82901	0.375
6	PCB-147	41.33	41.35	1.113e3	8.130e2	6.778e1	5.568e1	1.22	NO	1.235e2	0.89875	0.89875	0.355
7	PCB-139/149	41.62	41.61	2.554e4	2.147e4	1.966e3	1.829e3	1.08	NO	3.794e3	24.319	24.319	0.312

4th Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-134/143	42.28	42.28	2.414e3	2.025e3	1.813e2	1.466e2	1.24	NO	3.279e2	1.0188	1.0188	0.469
2	PCB-131/133	42.58	42.55	2.743e3	2.145e3	2.010e2	1.903e2	1.06	NO	3.913e2	1.1243	1.1243	0.434
3	PCB-146/165	42.97	42.99	1.621e4	1.204e4	1.291e3	9.796e2	1.32	NO	2.270e3	5.2657	5.2657	0.350
4	PCB-132/161	43.20	43.25	1.427e4	1.111e4	1.178e3	9.414e2	1.25	NO	2.120e3	4.8809	4.8809	0.348
5	PCB-153	43.38	43.38	7.803e4	5.972e4	5.990e3	4.760e3	1.26	NO	1.075e4	23.678	23.678	0.333
6	PCB-141	44.14	44.16	8.807e3	7.509e3	7.067e2	5.668e2	1.25	NO	1.274e3	3.5690	3.5690	0.432
7	PCB-130	44.64	44.65	3.737e3	3.781e3	2.807e2	2.469e2	1.14	NO	5.276e2	1.7145	1.7145	0.501
8	PCB-138/163/164	45.03	45.03	5.203e4	3.979e4	4.871e3	3.963e3	1.23	NO	8.834e3	18.718	18.718	0.318
9	PCB-158/160	45.28	45.28	4.357e3	4.326e3	3.990e2	3.579e2	1.11	NO	7.570e2	1.6602	1.6602	0.329
10	PCB-128/162	46.63	46.62	5.982e3	5.746e3	5.125e2	4.785e2	1.07	NO	9.910e2	2.4229	2.4229	0.376
11	PCB-167	47.04	47.06	2.339e3	2.061e3	1.610e2	1.254e2	1.28	NO	2.865e2	0.58566	0.58566	0.322
12	PCB-156	48.39	48.39	5.349e3	3.608e3	4.228e2	3.258e2	1.30	NO	7.486e2	1.5310	1.5310	0.325

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Dataset: U:\VG11.PRO\Results\200617K1\200617K1-8.qld

Last Altered: Wednesday, July 08, 2020 18:04:51 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 18:07:53 Pacific Daylight Time

ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

**Total Hepta-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-179	44.28	44.28	1.566e4	1.525e4	1.233e3	1.106e3	1.12	NO	2.339e3	5.6833	5.6833	0.233
2	PCB-176	44.74	44.75	5.473e3	3.975e3	3.619e2	3.247e2	1.11	NO	6.866e2	1.6546	1.6546	0.231
3	PCB-178	45.89	45.90	6.275e3	5.156e3	5.053e2	4.702e2	1.07	NO	9.755e2	3.2616	3.2616	0.321
4	PCB-175	46.24	46.24	1.743e3	1.047e3	1.226e2	6.291e1	1.95	YES	1.855e2	0.00000	0.42531	0.316
5	PCB-182/187	46.42	46.42	4.176e4	3.674e4	3.279e3	3.056e3	1.07	NO	6.335e3	18.738	18.738	0.284
6	PCB-183	46.76	46.76	1.083e4	1.319e4	9.836e2	1.034e3	0.95	NO	2.018e3	6.2208	6.2208	0.296
7	PCB-185	47.44	47.44	3.325e3	3.007e3	2.550e2	2.400e2	1.06	NO	4.950e2	1.5994	1.5994	0.315
8	PCB-174	47.82	47.80	1.863e4	1.929e4	1.566e3	1.599e3	0.98	NO	3.165e3	10.617	10.617	0.327
9	PCB-177	48.08	48.08	9.497e3	1.434e4	7.363e2	1.013e3	0.73	YES	1.749e3	0.00000	5.1093	0.346
10	PCB-171	48.38	48.39	4.028e3	4.506e3	3.332e2	3.302e2	1.01	NO	6.634e2	2.2891	2.2891	0.336
11	PCB-172	49.30	49.29	5.948e3	2.953e3	3.759e2	2.293e2	1.64	YES	6.052e2	0.00000	1.5523	0.322
12	PCB-180	49.71	49.71	4.615e4	4.011e4	3.679e3	3.490e3	1.05	NO	7.169e3	23.060	23.060	0.313
13	PCB-193	49.92	49.92	1.388e3	2.212e3	8.627e1	1.081e2	0.80	YES	1.943e2	0.00000	0.45615	0.264
14	PCB-170	51.38	51.38	1.014e4	1.086e4	9.128e2	8.772e2	1.04	NO	1.790e3	6.6463	6.6463	0.365
15	PCB-190	51.57	51.57	5.077e3	2.902e3	3.604e2	2.373e2	1.52	YES	5.976e2	0.00000	1.3667	0.276

**4th Function Octa-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-202	48.61	48.59	1.830e4	1.947e4	1.423e3	1.607e3	0.89	NO	3.030e3	12.441	12.441	0.525
2	PCB-201	49.10	49.09	4.646e3	4.825e3	3.339e2	3.308e2	1.01	NO	6.647e2	3.0286	3.0286	0.582
3	PCB-197	49.57	49.58	1.414e3	1.763e3	9.570e1	1.091e2	0.88	NO	2.048e2	0.86735	0.86735	0.541
4	PCB-200	50.50	50.51	2.854e3	3.937e3	1.996e2	3.026e2	0.66	YES	5.022e2	0.00000	1.8998	0.573
5	PCB-198	52.08	52.08	1.865e3	2.281e3	1.335e2	1.372e2	0.97	NO	2.707e2	1.6358	1.6358	0.772
6	PCB-199	52.18	52.19	3.821e4	3.836e4	2.861e3	2.996e3	0.96	NO	5.858e3	34.722	34.722	0.757
7	PCB-196/203	52.50	52.50	3.488e4	2.736e4	2.437e3	2.025e3	1.20	YES	4.462e3	0.00000	21.903	0.731

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Dataset: U:\VG11.PRO\Results\200617K1\200617K1-8.qld

Last Altered: Wednesday, July 08, 2020 18:04:51 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 18:07:53 Pacific Daylight Time

ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

5th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-195	53.80	53.79	7.430e3	4.547e3	3.821e2	3.209e2	1.19	YES	7.029e2	0.00000	2.3390	0.417
2	PCB-194	54.72	54.72	2.814e4	2.755e4	1.555e3	1.541e3	1.01	NO	3.096e3	11.175	11.175	0.391

Total Nona-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-208	53.94	53.96	1.430e5	1.079e5	8.396e3	6.364e3	1.32	NO	1.476e4	44.830	44.830	0.290
2	PCB-207	54.26	54.28	1.834e4	1.680e4	1.034e3	1.010e3	1.02	YES	2.044e3	0.00000	5.5843	0.295
3	PCB-206	56.25	56.25	2.359e5	1.786e5	1.410e4	1.093e4	1.29	NO	2.502e4	104.16	104.16	0.390

Deca-CB

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-209	57.48	57.50	3.429e5	3.021e5	1.906e4	1.651e4	1.15	NO	3.558e4	145.71	145.71	0.252

Total PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

Total Mono-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.52	15.53	1.396e7	4.379e6	9.264e5	2.851e5	3.25	NO	1.212e6	1748.8		1.70
2	13C-PCB-3	18.17	18.19	1.607e7	5.052e6	9.714e5	3.051e5	3.18	NO	1.277e6	1807.4		1.67

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Dataset: U:\VG11.PRO\Results\200617K1\200617K1-8.qld

Last Altered: Wednesday, July 08, 2020 18:04:51 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 18:07:53 Pacific Daylight Time

ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

**Total Di-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.52	19.53	7.544e6	4.787e6	4.727e5	2.980e5	1.59	NO	7.706e5	1656.7		0.864
2	13C-PCB-9	21.35	21.37	1.254e7	8.127e6	7.362e5	4.769e5	1.54	NO	1.213e6	1613.7		0.535
3	13C-PCB-11	24.79	24.81	1.152e7	7.512e6	7.523e5	4.896e5	1.54	NO	1.242e6	1665.9		0.539
4	13C-PCB-15	25.51	25.53	1.355e7	8.749e6	8.673e5	5.541e5	1.57	NO	1.421e6	1833.3		0.518

**2nd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.76	23.77	5.459e6	5.259e6	3.544e5	3.382e5	1.05	NO	6.926e5	1790.6		10.6
2	13C-PCB-32	26.75	26.75	8.219e6	7.916e6	5.353e5	5.119e5	1.05	NO	1.047e6	1815.0		7.12

**3rd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.64	28.66	8.245e6	8.067e6	6.222e5	6.118e5	1.02	NO	1.234e6	1833.3		7.04
2	13C-PCB-28	28.77	28.77	7.900e6	7.683e6	5.969e5	5.821e5	1.03	NO	1.179e6	1645.7		6.62
3	13C-PCB-37	32.75	32.88	6.760e6	6.739e6	6.013e5	5.988e5	1.00	NO	1.200e6	1802.6		7.12

**Tetra-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.62	27.62	5.486e6	6.954e6	4.127e5	5.263e5	0.78	NO	9.390e5	1662.3		1.85
2	13C-PCB-52	31.26	31.26	4.649e6	6.107e6	3.544e5	4.655e5	0.76	NO	8.199e5	1803.7		2.30
3	13C-PCB-47	31.78	31.78	4.769e6	6.132e6	3.940e5	5.021e5	0.78	NO	8.960e5	1849.1		2.16
4	13C-PCB-70	35.41	35.41	5.981e6	7.566e6	4.518e5	5.731e5	0.79	NO	1.025e6	1821.0		1.86
5	13C-PCB-80	35.84	35.84	6.048e6	7.780e6	4.601e5	5.908e5	0.78	NO	1.051e6	1808.3		1.80
6	13C-PCB-60	36.66	36.68	5.770e6	7.298e6	4.566e5	5.795e5	0.79	NO	1.036e6	1833.3		1.85
7	13C-PCB-79	37.78	37.78	6.253e6	8.047e6	4.856e5	6.232e5	0.78	NO	1.109e6	1835.3		1.73
8	13C-PCB-81	39.04	39.04	5.914e6	7.497e6	4.614e5	5.860e5	0.79	NO	1.047e6	1875.6		1.87
9	13C-PCB-77	39.66	39.66	5.604e6	7.021e6	4.441e5	5.498e5	0.81	NO	9.939e5	1815.2		1.91

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Dataset: U:\VG11.PRO\Results\200617K1\200617K1-8.qld

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ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

3rd Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.46	32.51	4.573e6	2.909e6	3.926e5	2.456e5	1.60	NO	6.382e5	1867.7		0.958
2	13C-PCB-95	35.71	35.71	3.973e6	2.388e6	3.063e5	1.847e5	1.66	NO	4.910e5	1814.1		1.21
3	13C-PCB-101	37.46	37.46	4.117e6	2.457e6	3.086e5	1.880e5	1.64	NO	4.965e5	1863.7		1.23
4	13C-PCB-97	38.80	38.80	3.594e6	2.152e6	2.717e5	1.641e5	1.66	NO	4.358e5	1861.7		1.40
5	13C-PCB-111	39.23	39.25	5.111e6	3.085e6	3.866e5	2.297e5	1.68	NO	6.163e5	1833.3		0.974
6	13C-PCB-123	41.44	41.44	4.682e6	2.878e6	3.654e5	2.266e5	1.61	NO	5.920e5	1887.8		1.04
7	13C-PCB-118	41.63	41.63	4.780e6	2.954e6	3.841e5	2.345e5	1.64	NO	6.186e5	1867.1		0.988

4th Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.30	42.31	6.326e6	4.041e6	5.067e5	3.241e5	1.56	NO	8.308e5	1723.0		1.14
2	13C-PCB-105	43.19	43.19	6.307e6	4.108e6	5.154e5	3.317e5	1.55	NO	8.470e5	1727.8		1.12
3	13C-PCB-127	43.55	43.56	6.790e6	4.270e6	5.395e5	3.414e5	1.58	NO	8.809e5	1739.0		1.09
4	13C-PCB-126	45.51	45.51	5.967e6	3.887e6	4.814e5	3.130e5	1.54	NO	7.944e5	1625.0		1.13

4th Function Hexa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.36	43.37	5.522e6	4.365e6	4.330e5	3.445e5	1.26	NO	7.774e5	1827.1		1.20
2	13C-PCB-141	44.13	44.12	4.417e6	3.575e6	3.533e5	2.839e5	1.24	NO	6.372e5	1812.2		1.45
3	13C-PCB-138	44.99	44.99	4.834e6	3.830e6	3.765e5	2.976e5	1.26	NO	6.741e5	1825.0		1.38
4	13C-PCB-159	46.32	46.32	5.774e6	4.522e6	4.617e5	3.646e5	1.27	NO	8.262e5	1841.1		1.14
5	13C-PCB-128	46.59	46.60	4.044e6	3.131e6	3.202e5	2.514e5	1.27	NO	5.716e5	1833.3		1.64
6	13C-PCB-167	47.02	47.02	5.552e6	4.341e6	4.545e5	3.544e5	1.28	NO	8.089e5	1801.6		1.14
7	13C-PCB-156	48.34	48.37	5.418e6	4.276e6	4.464e5	3.497e5	1.28	NO	7.962e5	1828.1		1.17
8	13C-PCB-157	48.63	48.63	5.570e6	4.321e6	4.489e5	3.496e5	1.28	NO	7.985e5	1833.5		1.17
9	13C-PCB-169	50.91	50.91	5.232e6	4.085e6	4.278e5	3.366e5	1.27	NO	7.644e5	1841.9		1.23

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ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

5th Function Octa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.72	54.70	3.813e6	4.235e6	2.146e5	2.405e5	0.89	NO	4.551e5	1793.6		2.45
2	13C-PCB-205	54.97	54.98	4.971e6	5.625e6	2.831e5	3.225e5	0.88	NO	6.057e5	1833.3		1.88



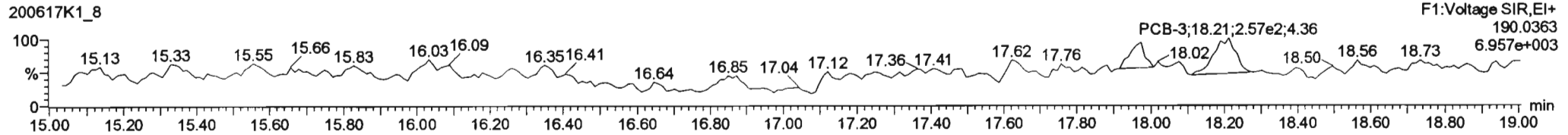
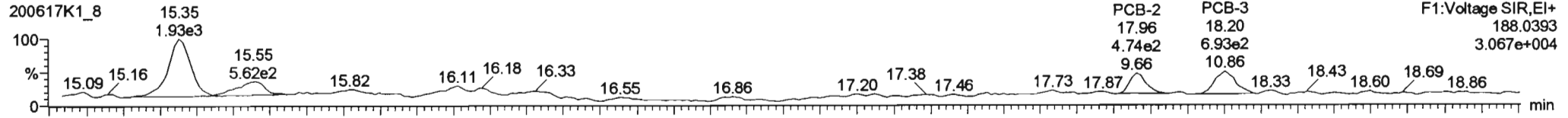
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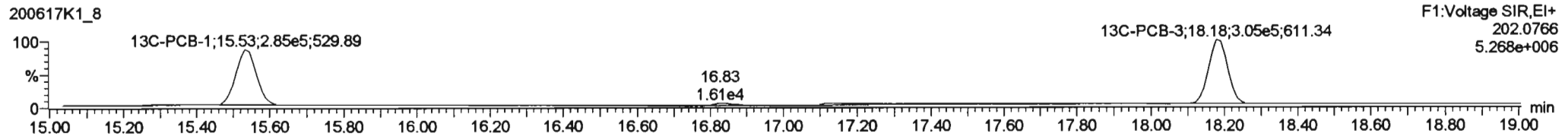
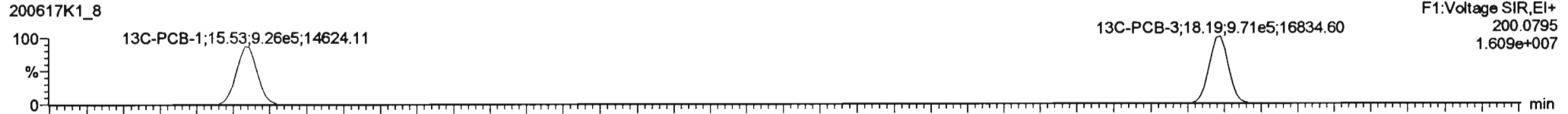
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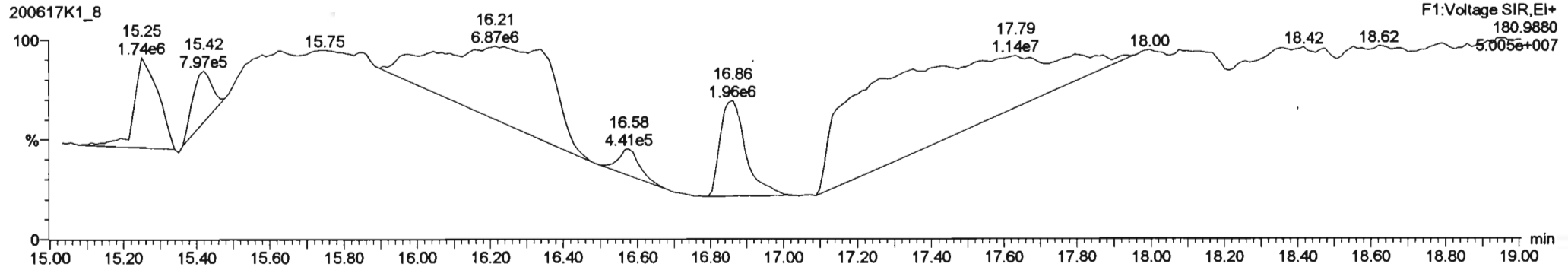
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**13C-PCB-1**

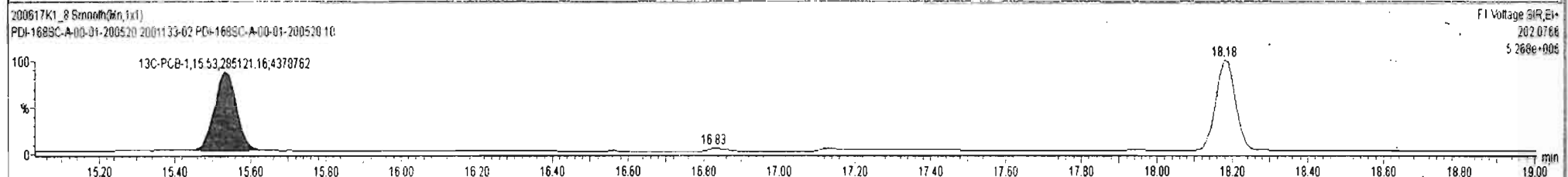
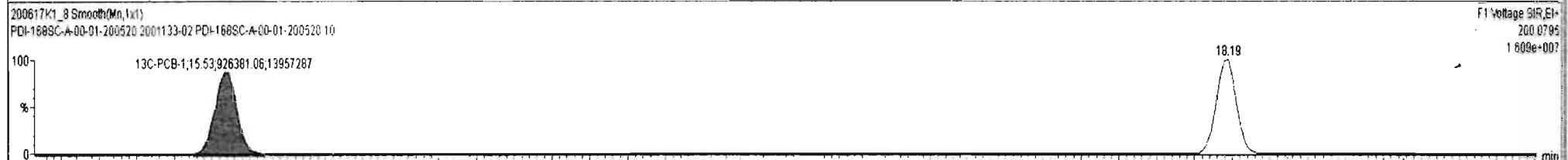
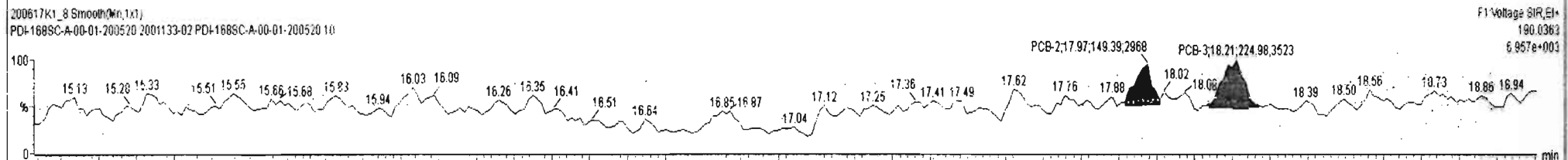
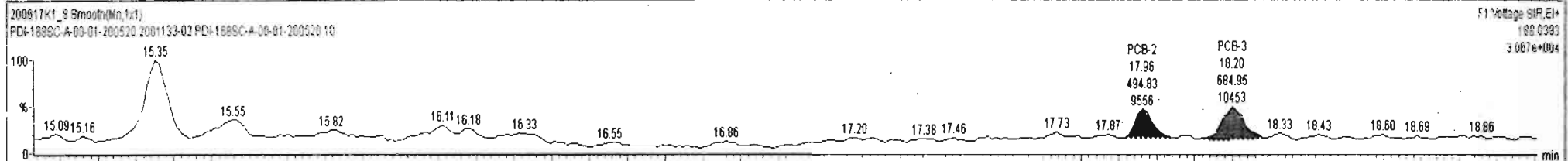


**PFK1**



Name	Conc.	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	IS#	RA	Y/N	RRT	Acq Date	Acq Time	1 <sup>st</sup> Chr Noise	ID	Sample Text	Factor1	SM	Cal File
224 Total Mono-PCBs	1.92020	0.851		1.92020		1.166	2.						17-Jun-20	20:23:51		2001133-02	PDI-168SC-A-00...	1.0	5.45	db1_P...
225 Total Di-PCBs		8.42				1.054	2.						17-Jun-20	20:23:51		2001133-02	PDI-168SC-A-00...	1.0	5.45	db1_P...
226 2nd Function Tri-PCBs		4.79				1.081	2.						17-Jun-20	20:23:51		2001133-02	PDI-168SC-A-00...	1.0	5.45	db1_P...
227 3rd Function Tri-PCBs	6.75009	12.4		9.08590		0.983	2.						17-Jun-20	20:23:51		2001133-02	PDI-168SC-A-00...	1.0	5.45	db1_P...
228 Total Tetra-PCBs	AC 0007	10.2		AC 0676		1.078	2.						17-Jun-20	20:23:51		2001133-02	PDI-168SC-A-00...	1.0	5.45	db1_P...

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	nfy	Resp	Conc.	EMPC
1 PCB-2	17.96	9.556e3	2.968e3	4.948e2	1.494e2	3.31	NO	6.442e2	0.782	0.782
2 PCB-3	18.20	1.045e4	3.523e3	6.850e2	2.250e2	3.04	NO	9.099e2	1.14	1.14

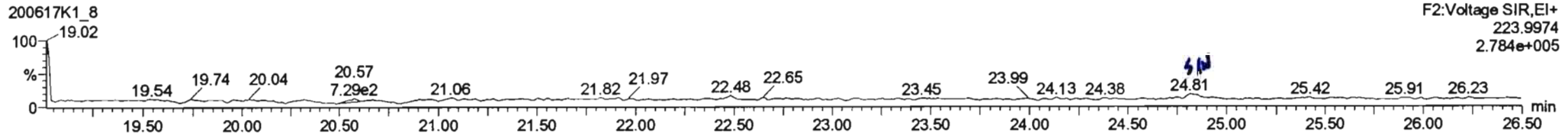
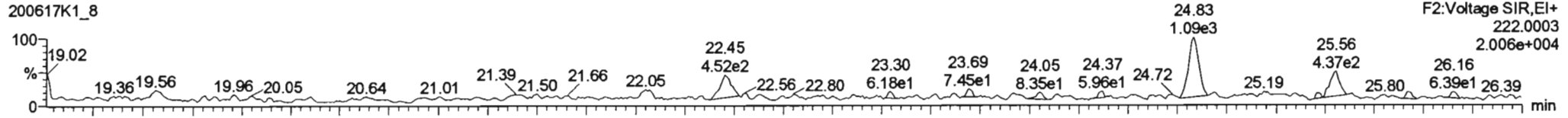


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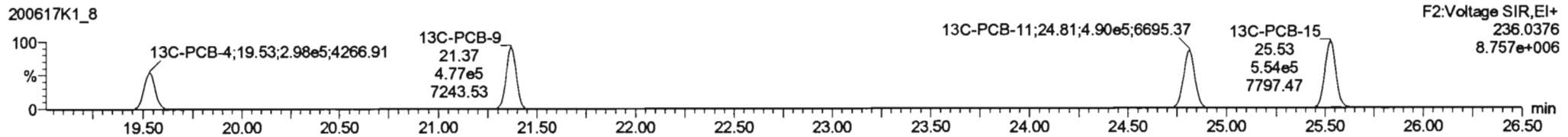
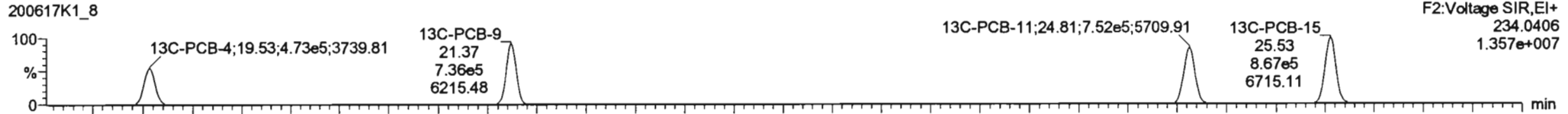
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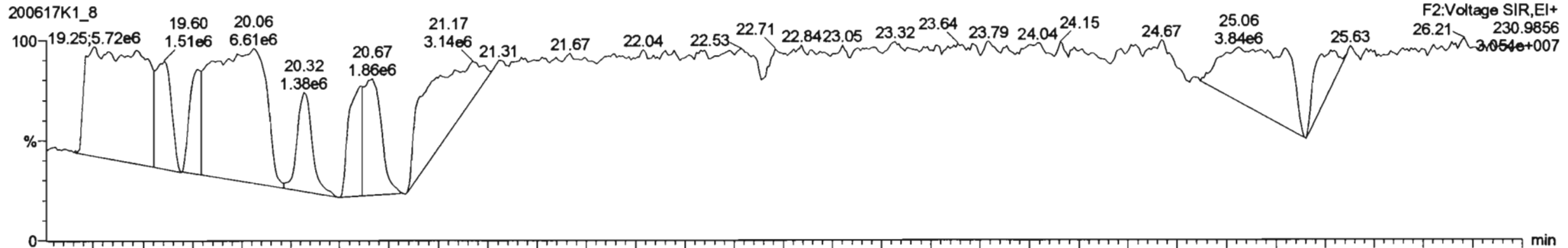
PCB-4/10



13C-PCB-4

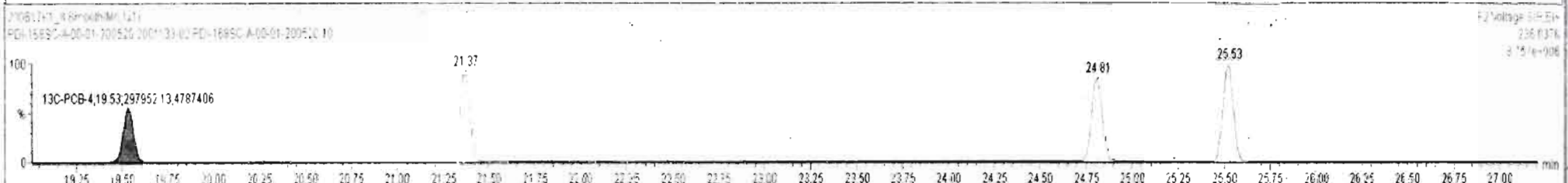
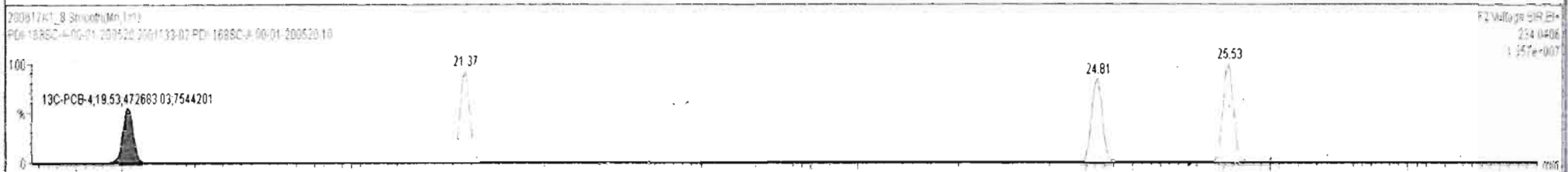
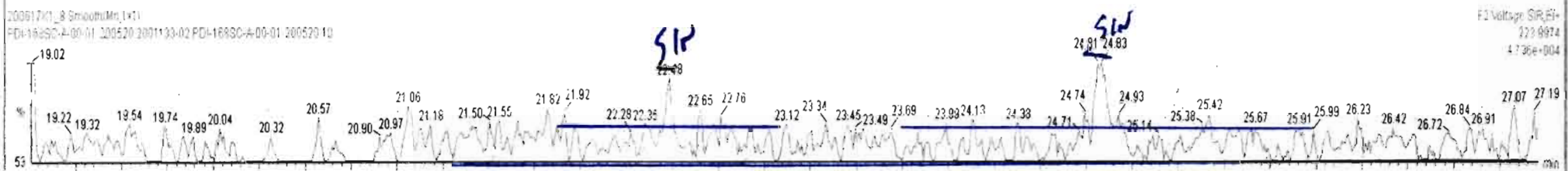
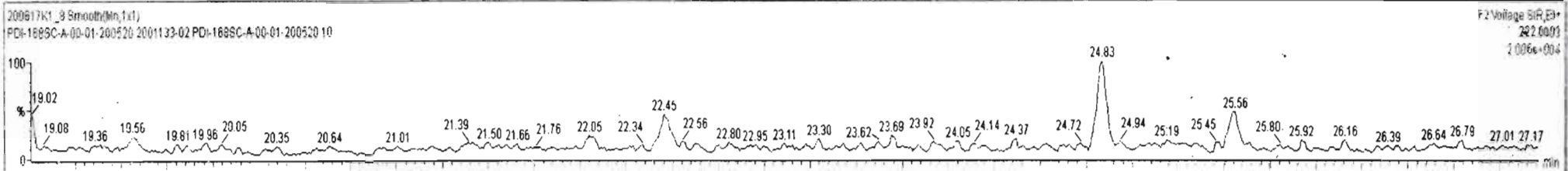


PFK2a



#	Name	Resp	RA	nly	PRF	wt/vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
225	225 Total Di-PCBs				1.0537	5.455	0.00		0.000		NO			8.42	
226	226 2nd Function Tri-PCBs				1.0807	5.455	0.00		0.000		NO			4.79	
227	227 3rd Function Tri-PCBs				0.9828	5.455	0.00		0.000		NO	2.447		12.4	8.706

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1										





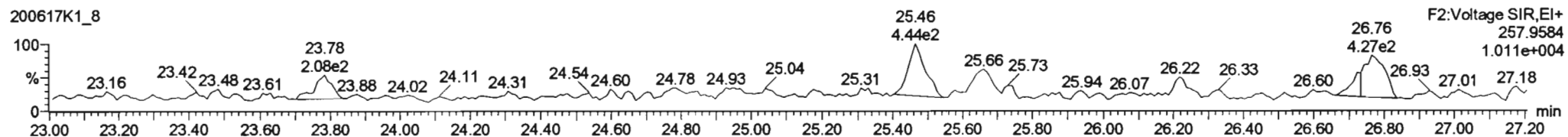
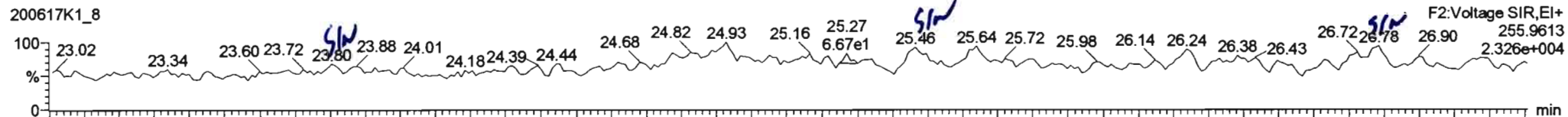
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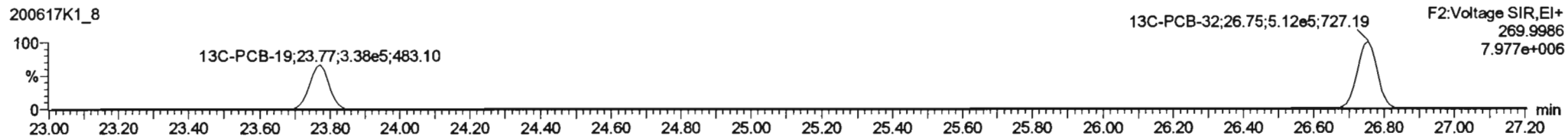
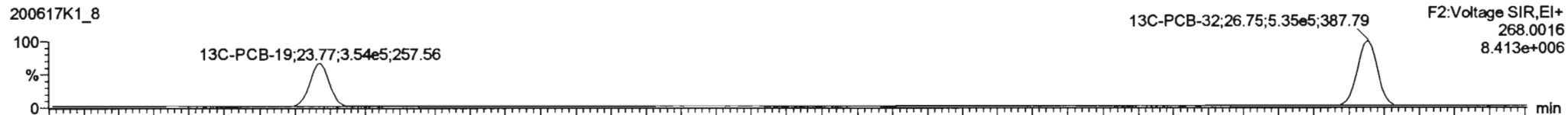
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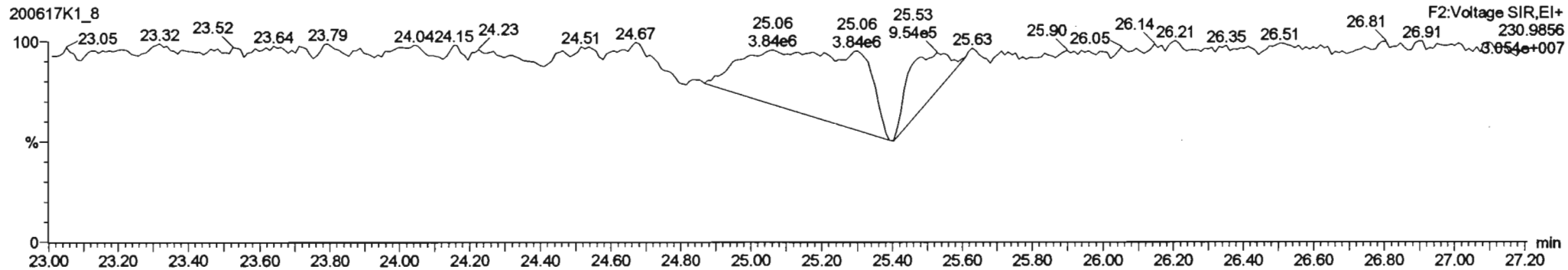
**PCB-19**



**13C-PCB-19**



**PFK2b**



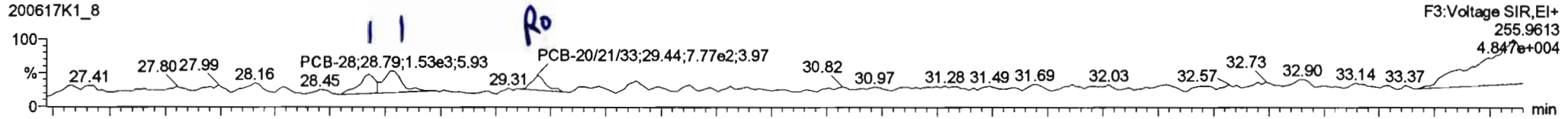
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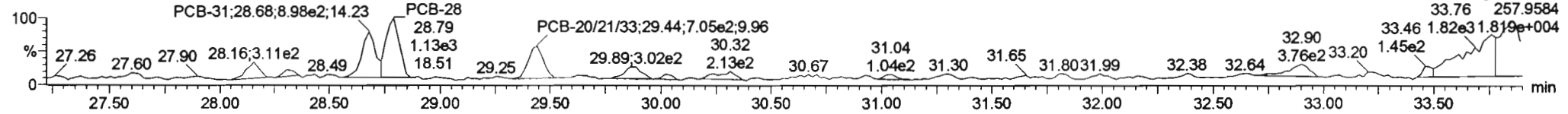
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**PCB-34**

200617K1\_8

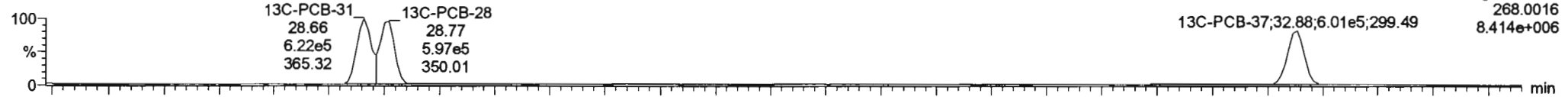


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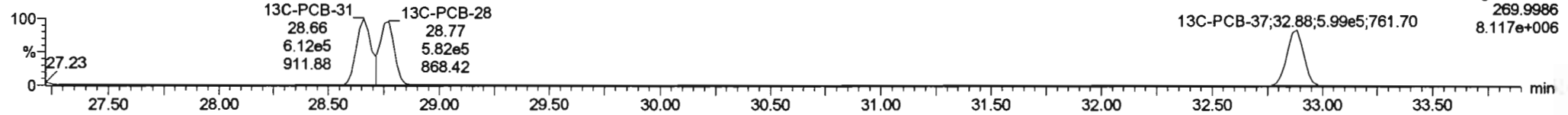


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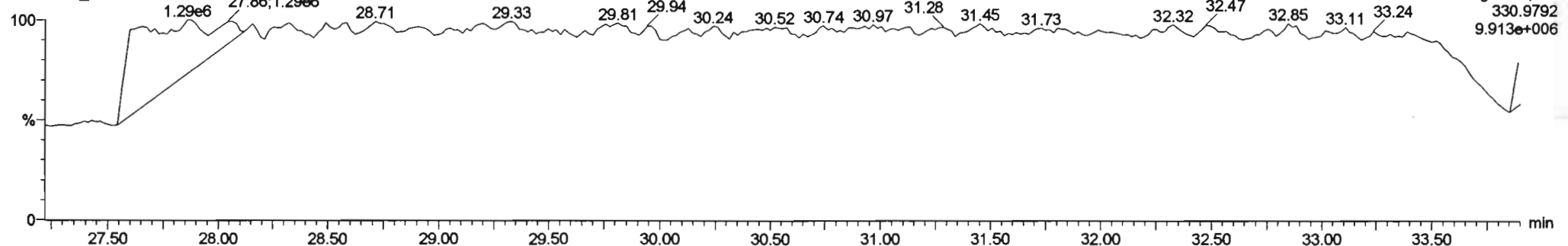


200617K1\_8



**PFK3d**

200617K1\_8

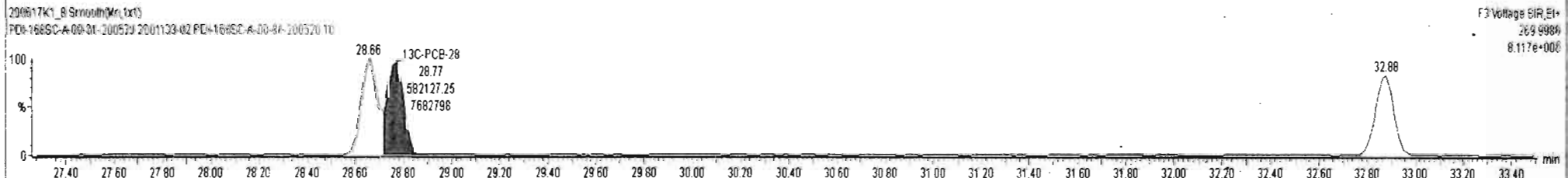
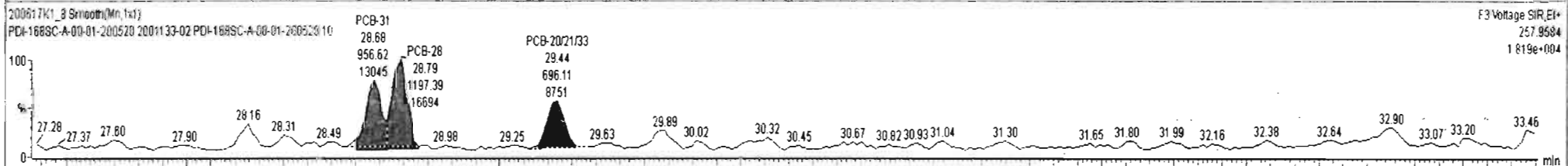
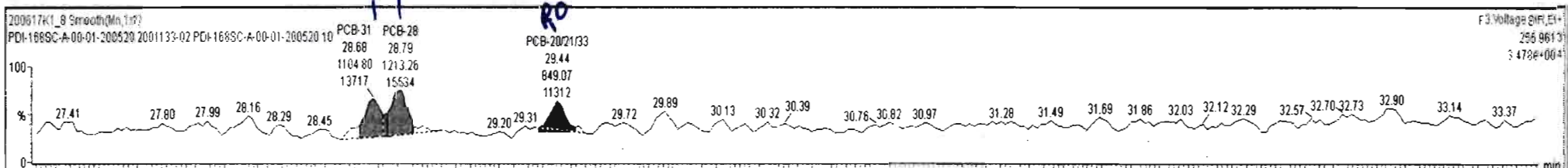




200617K1\_8 - 2001133-02 PDI-1685C-A-00-01-200520 10 - PDI-1685C-A-00-01-200520

#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				1.0807	5.455	0.00		0.000		NO			4.79	
227	227 3rd Function Tri-PCBs				0.9828	5.455	0.00		0.000		NO	6.750		12.4	9.086
228	228 Total Tetra-PCBs				1.0778	5.455	0.00		0.000		NO	39.55		10.3	49.15

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	23 PCB-31	28.68	28.68	1.105e3	9.586e2	1.040	1.15	NO	3.0931	3.0931
2	24 PCB-28	28.79	28.79	1.213e3	1.197e3	1.040	1.01	NO	3.6569	3.6569
3	25 PCB-20/21/33	29.43	29.44	8.491e2	6.961e2	1.040	1.22	YES	2.3458	0.00000



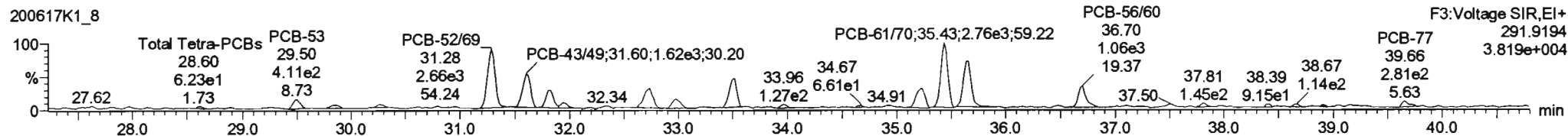
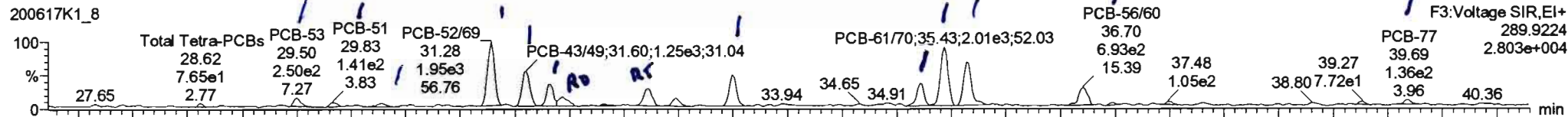
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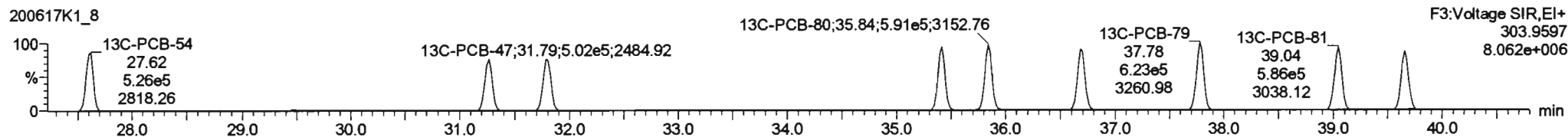
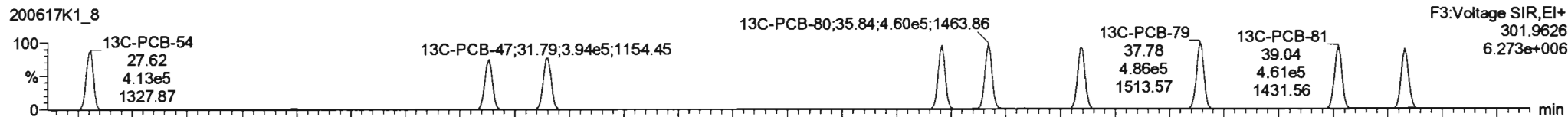
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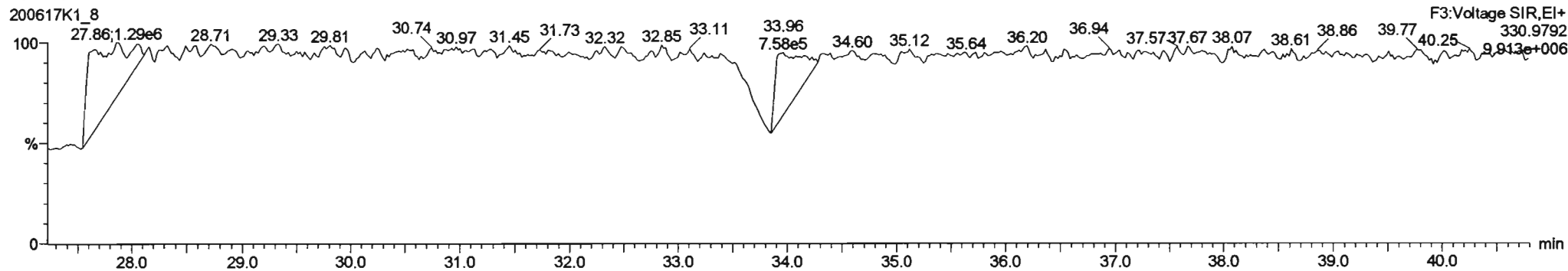
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**13C-PCB-54**



**PFK3a**



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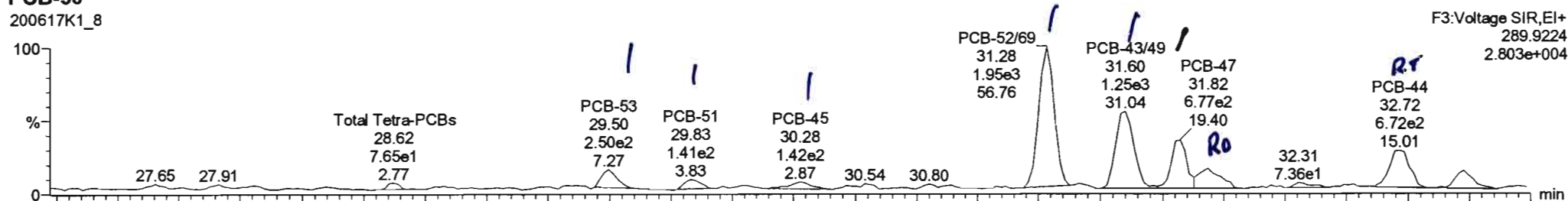
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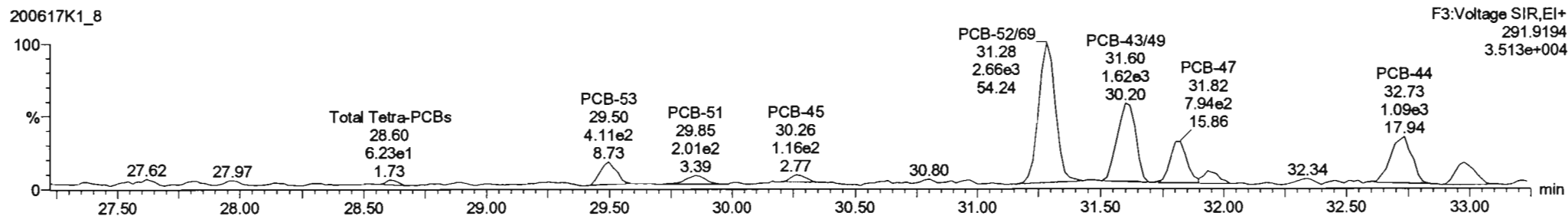
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**PCB-50**

200617K1\_8

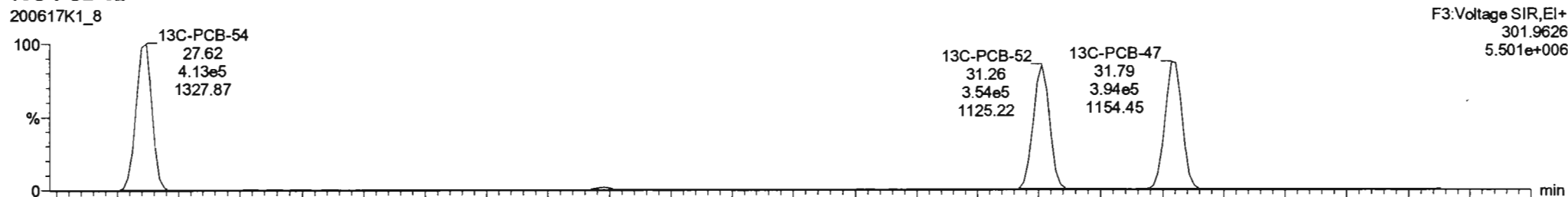


200617K1\_8

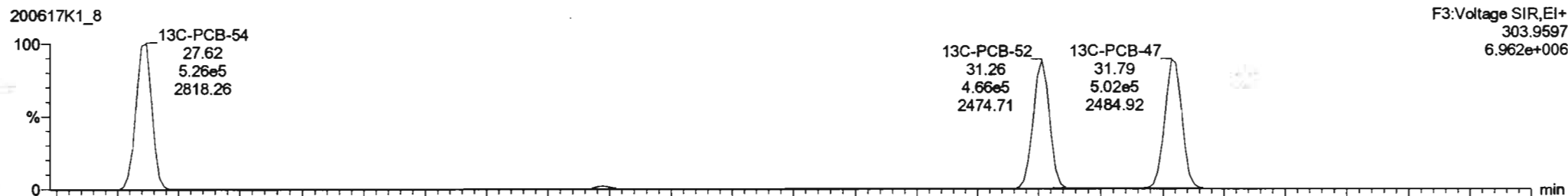


**13C-PCB-52**

200617K1\_8

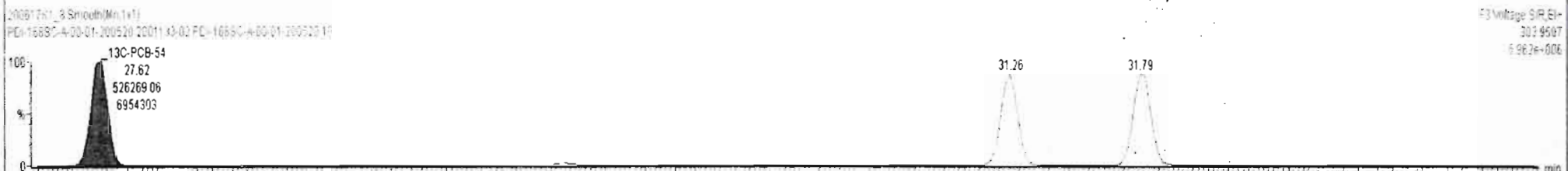
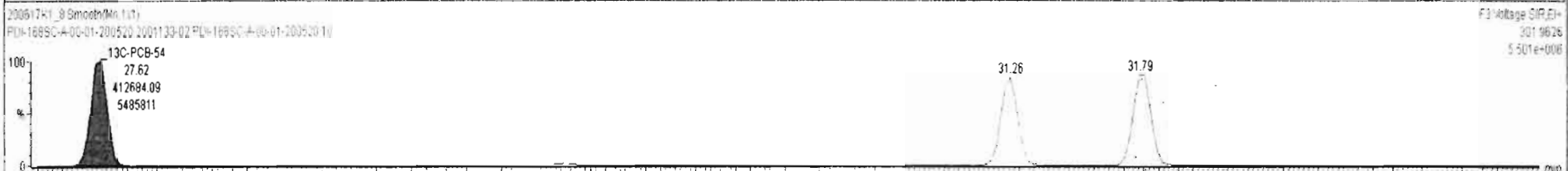
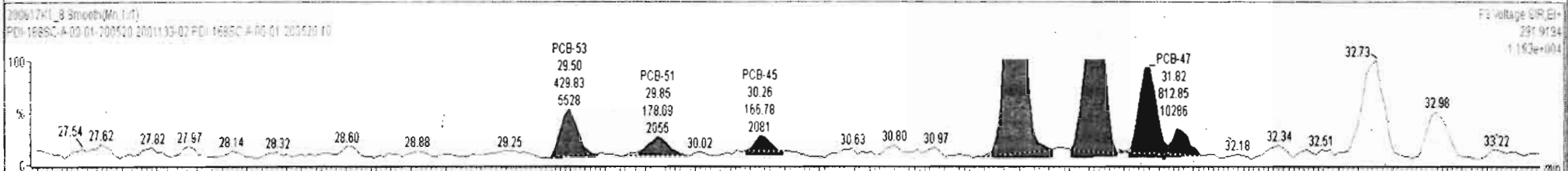
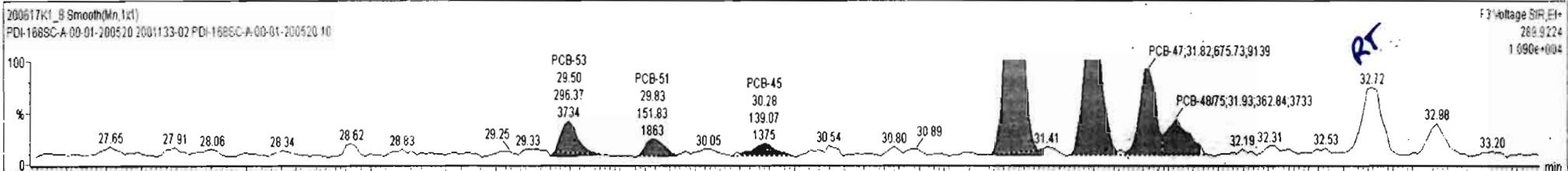


200617K1\_8



#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	2nd Function Tri-PCBs				1.0807	5.455	0.00		0.000		NO			4.79	
227	3rd Function Tri-PCBs				0.9828	5.455	0.00		0.000		NO	6.750		12.4	9.086
228	Total Tetra-PCBs				1.0778	5.455	0.00		0.000		NO	42.50		10.3	46.80

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	34 PCB-53	29.51	29.50	2.954e2	4.298e2	0.770	0.69	NO	1.6291	1.6291
2	35 PCB-51	29.85	29.83	1.518e2	1.787e2	0.770	0.85	NO	0.69382	0.69382
3	36 PCB-45	30.30	30.26	1.391e2	1.668e2	0.770	0.83	NO	0.79669	0.79669
4	38 PCB-5269	31.30	31.26	1.999e3	2.761e3	0.770	0.72	NO	9.1232	9.1232
5	40 PCB-4349	31.59	31.60	1.237e3	1.730e3	0.770	0.72	NO	6.5303	6.5303
6	41 PCB-47	31.80	31.82	6.757e2	8.128e2	0.770	0.83	NO	3.3037	3.3037
7	42 PCB-4875	31.92	31.93	3.628e2	2.671e2	0.770	1.36	YES	0.86337	0.00000
8	47 PCB-416471/72	33.47	33.50	9.616e2	1.282e3	0.770	0.75	NO	3.8651	3.8651
9	54 PCB-74	35.27	35.21	7.446e2	1.056e3	0.770	0.71	NO	2.7178	2.7178

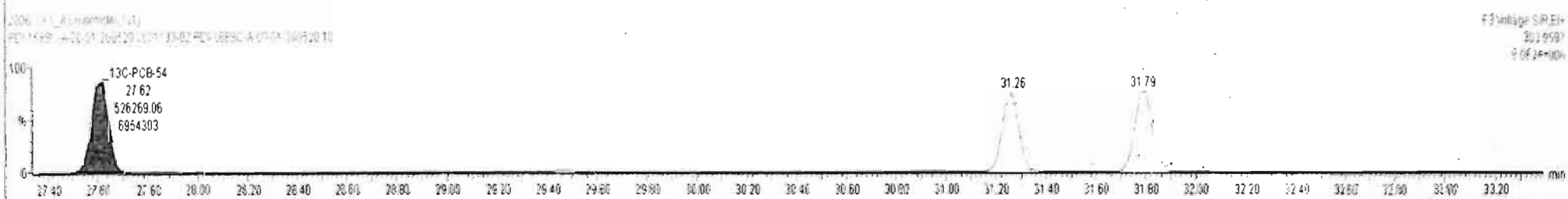
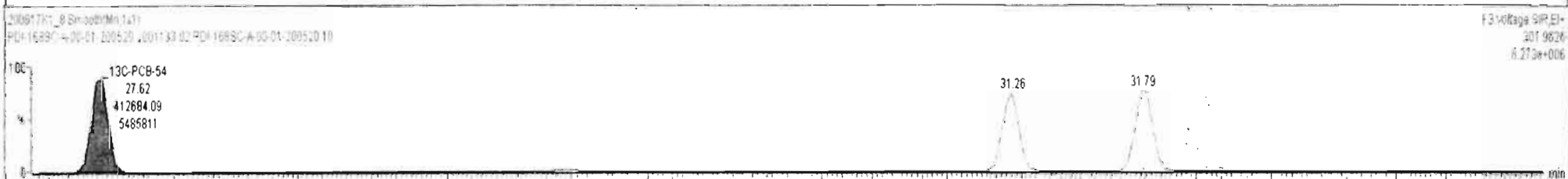
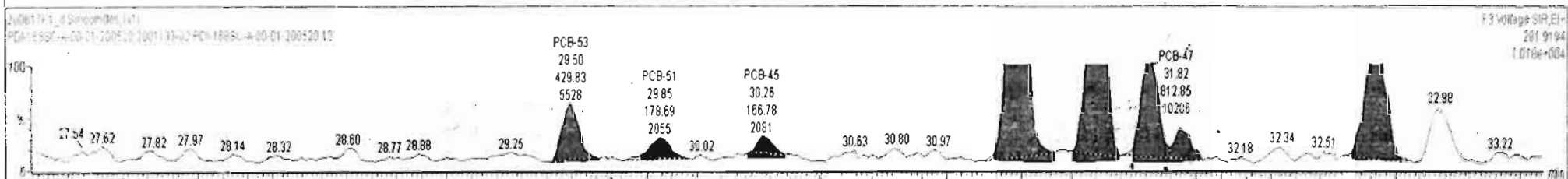
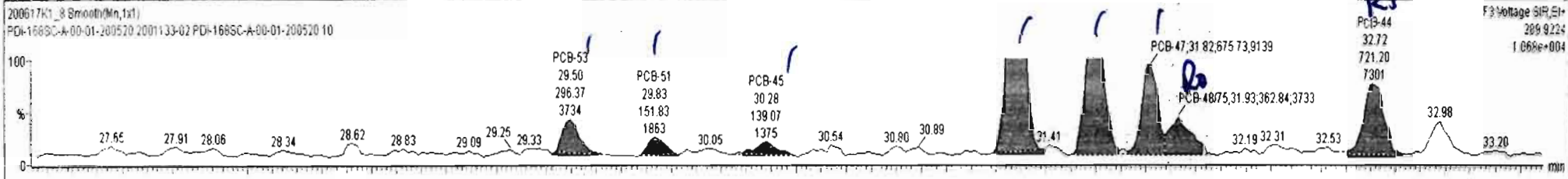




#	Name	Resp	RA	nly	RRF	wt/wt	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				1.0807	5.455	0.00		0.000		NO			4.79	
227	227 3rd Function Tri-PCBs				0.9828	5.455	0.00		0.000		NO	6.750		12.4	9.096
228	228 Total Tetra-PCBs				1.0778	5.455	0.00		0.000		NO	47.00		10.3	51.10

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	34 PCB-53	29.51	29.50	2.964e2	4.298e2	0.770	0.69	NO	1.6291	1.6291
2	35 PCB-51	29.85	29.83	1.518e2	1.787e2	0.770	0.85	NO	0.69382	0.69382
3	36 PCB-45	30.30	30.28	1.391e2	1.668e2	0.770	0.83	NO	0.79669	0.79669
4	38 PCB-52/69	31.30	31.28	1.899e3	2.761e3	0.770	0.72	NO	9.1232	9.1232
5	40 PCB-43/49	31.59	31.60	1.237e3	1.730e3	0.770	0.72	NO	6.5303	6.5303
6	41 PCB-47	31.80	31.82	6.757e2	8.128e2	0.770	0.83	NO	3.3037	3.3037
7	42 PCB-48/75	31.92	31.93	3.628e2	2.671e2	0.770	1.36	YES	0.86337	0.00000
8	45 PCB-44	32.64	32.72	7.212e2	1.080e3	0.770	0.66	NO	4.4958	4.4958
9	47 PCB-41/64/71/72	33.47	33.50	9.616e2	1.282e3	0.770	0.75	NO	3.8851	3.8851

*- 0.08 late*



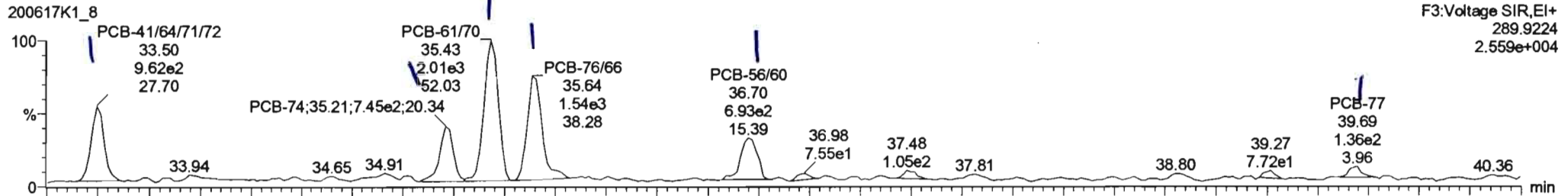
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

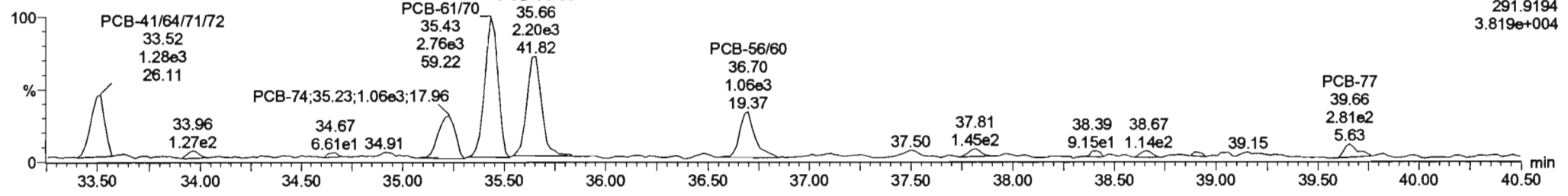
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

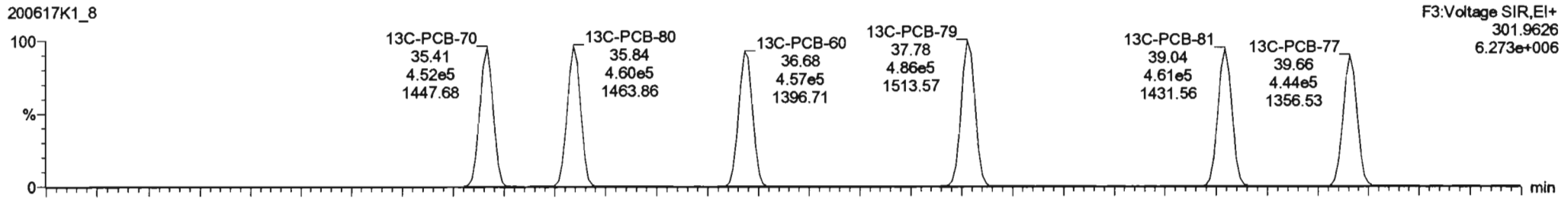
**PCB-68**



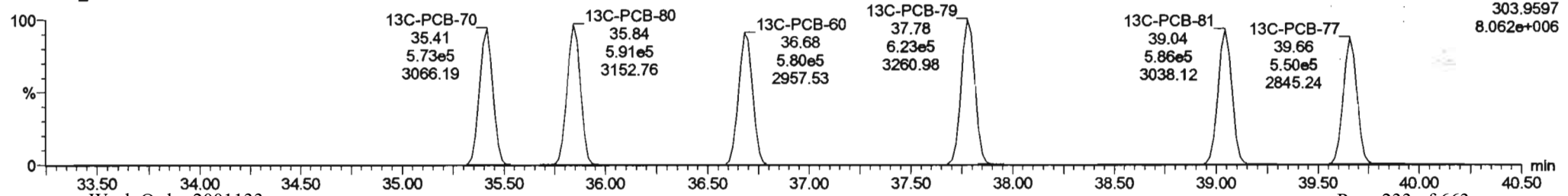
**PCB-68**



**13C-PCB-60**



**13C-PCB-60**

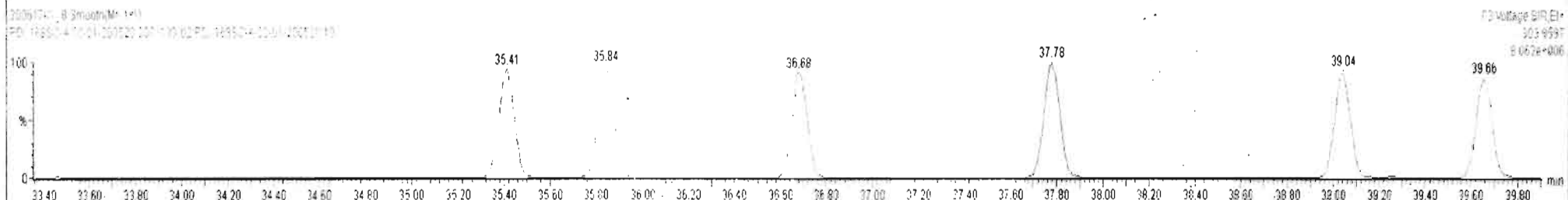
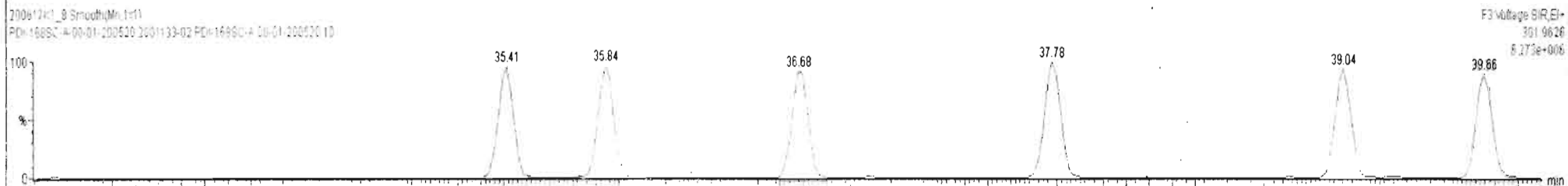
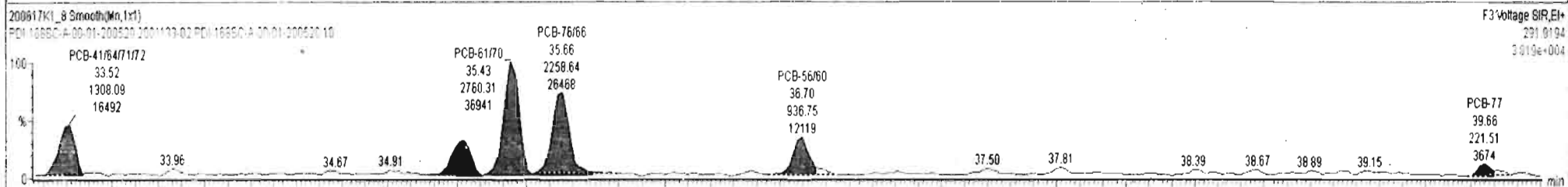
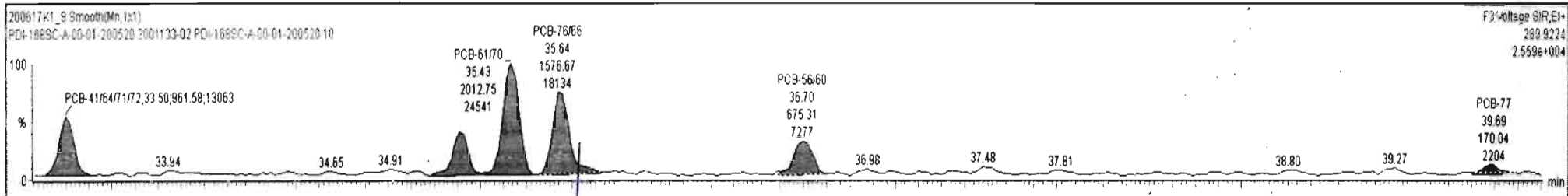




200617K1\_8 - 2001133-02.PDI-1685C-A-00-01-200520 10 - PDI-1685C-A-00-01-200520

#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.455	0.00		0.000		NO	46.09		10.3	46.96
229	229 3rd Function Penta-PCBs				1.3157	5.455	0.00		0.000		NO	82.85		14.2	101.7
230	230 4th Function Penta-PCBs				1.0735	5.455	0.00		0.000		NO	3.650		1.58	3.650

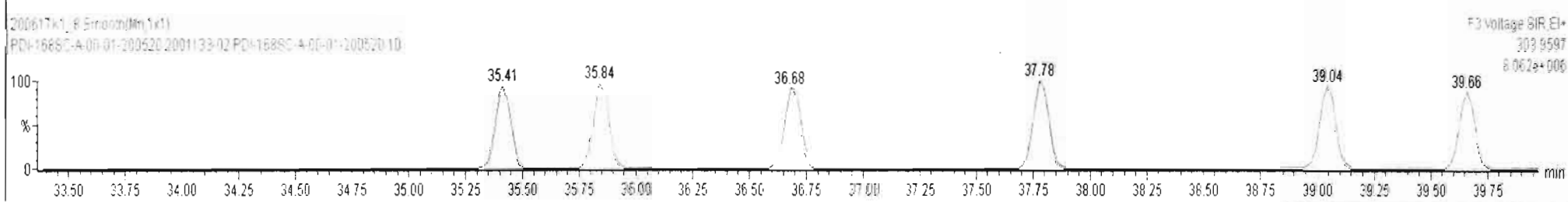
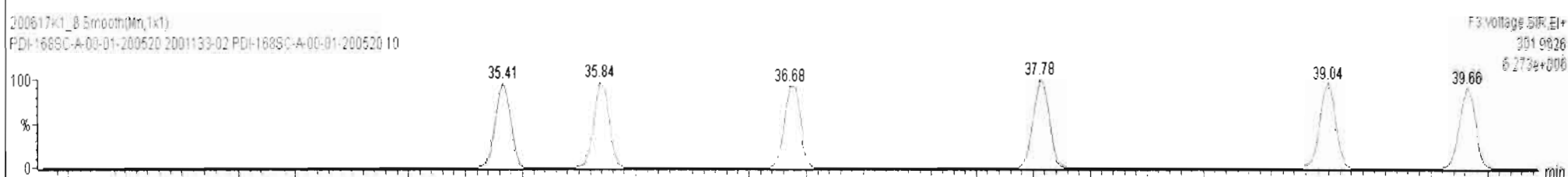
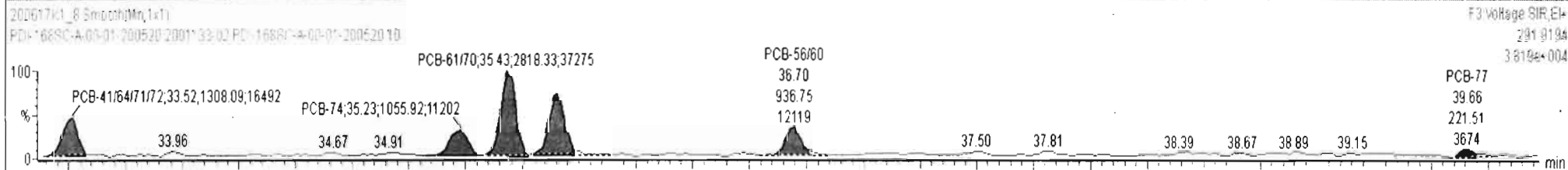
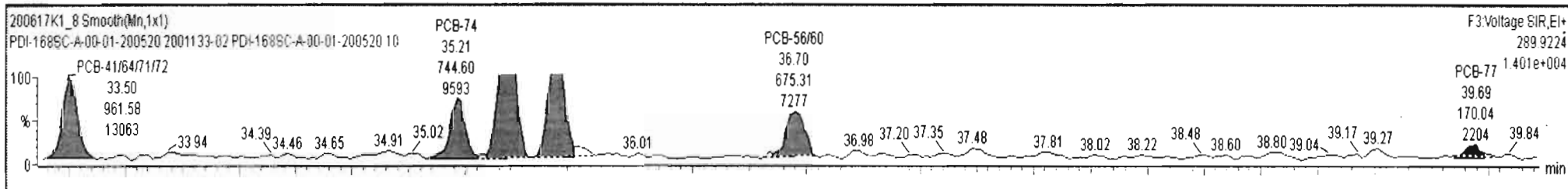
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
8	47 PCB-41/64/71/72	33.47	33.50	9.616e2	1.308e3	0.770	0.74	NO	3.9109	3.9109
9	54 PCB-74	35.22	35.21	7.446e2	1.056e3	0.770	0.71	NO	2.7178	2.7178
10	55 PCB-61/70	35.43	35.43	2.013e3	2.760e3	0.770	0.73	NO	8.0989	8.0989
11	56 PCB-76/66	35.62	35.64	1.577e3	2.259e3	0.770	0.70	NO	5.8918	5.8918
12	59 PCB-56/60	36.70	36.70	6.753e2	9.367e2	0.770	0.72	NO	2.7628	2.7628
13	63 PCB-77	39.68	39.69	1.700e2	2.215e2	0.770	0.77	NO	0.63524	0.63524



200617K1\_8 - 2001133-02 PDI-168SC-A-00-01-200520 10 - PDI-168SC-A-00-01-200520

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.455	0.00		0.000		NO	45.95		10.3	46.81

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
8	47 PCB-41/64/71/72	33.47	33.50	9.616e2	1.308e3	0.770	0.74	NO	3.9109	3.9109
9	54 PCB-74	35.22	35.21	7.446e2	1.056e3	0.770	0.71	NO	2.7178	2.7178
10	55 PCB-61/70	35.43	35.43	1.991e3	2.818e3	0.770	0.71	NO	8.1604	8.1604
11	56 PCB-76/66	35.62	35.64	1.473e3	2.230e3	0.770	0.66	NO	5.6876	5.6876
12	59 PCB-56/60	36.70	36.70	6.753e2	9.367e2	0.770	0.72	NO	2.7628	2.7628
13	63 PCB-77	39.68	39.69	1.700e2	2.215e2	0.770	0.77	NO	0.63524	0.63524



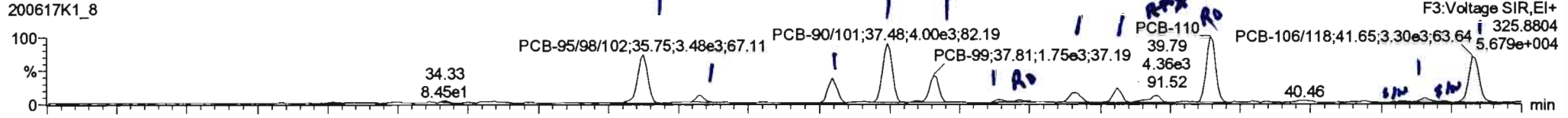
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

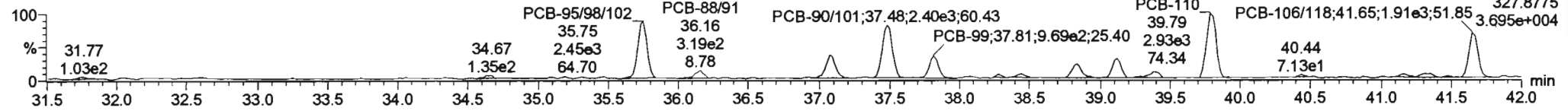
*\*109 07-08-2020*

Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

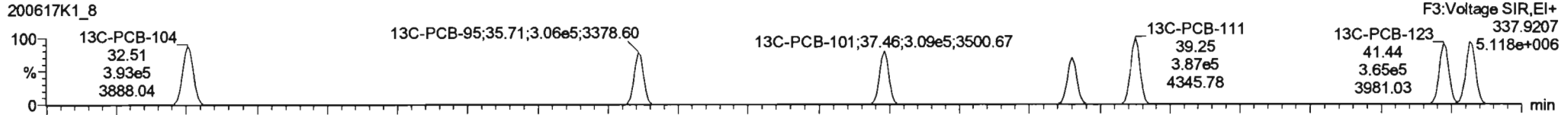
**PCB-104**



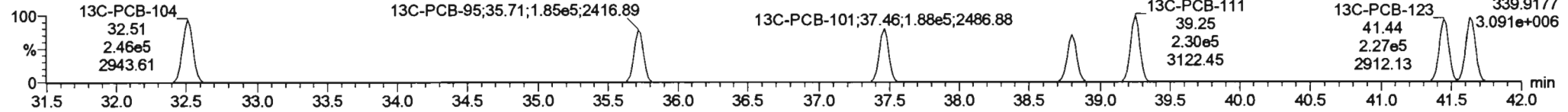
200617K1\_8



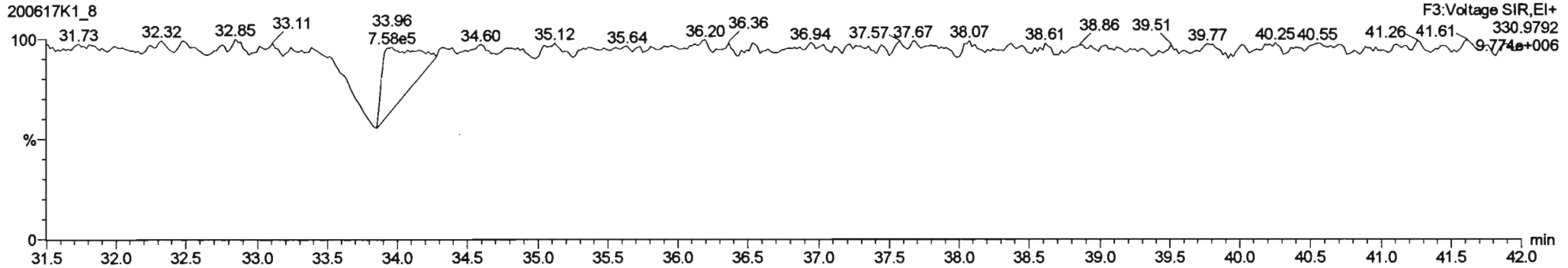
**13C-PCB-104**



200617K1\_8



**PFK3b**



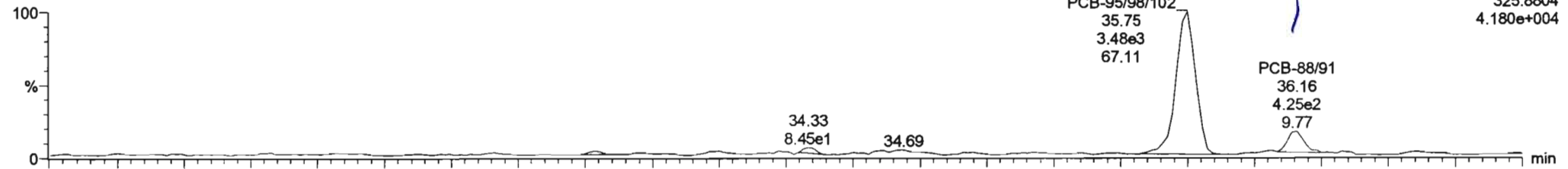
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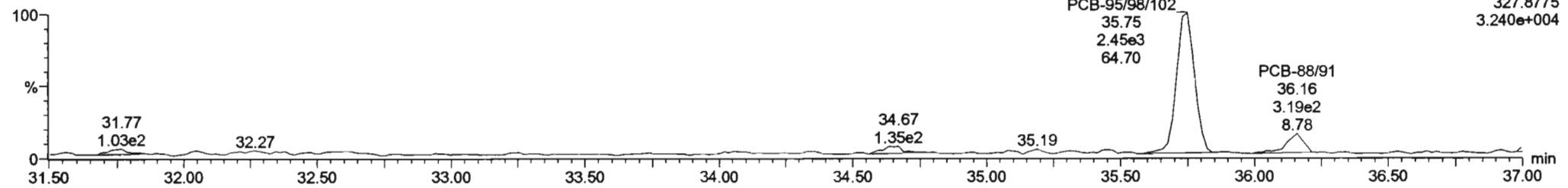
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**PCB-96**

200617K1\_8

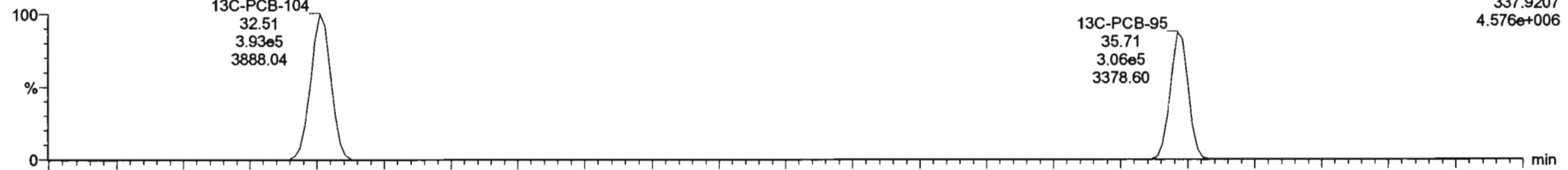


200617K1\_8

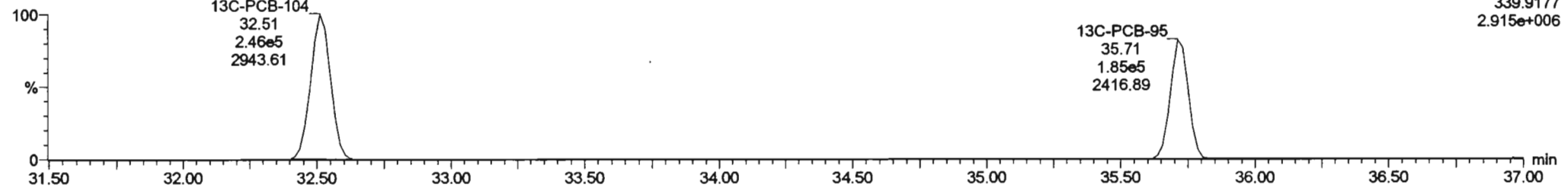


**13C-PCB-95**

200617K1\_8



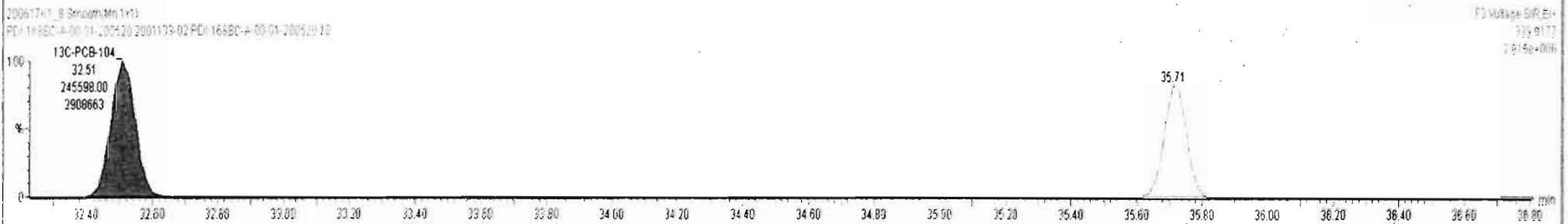
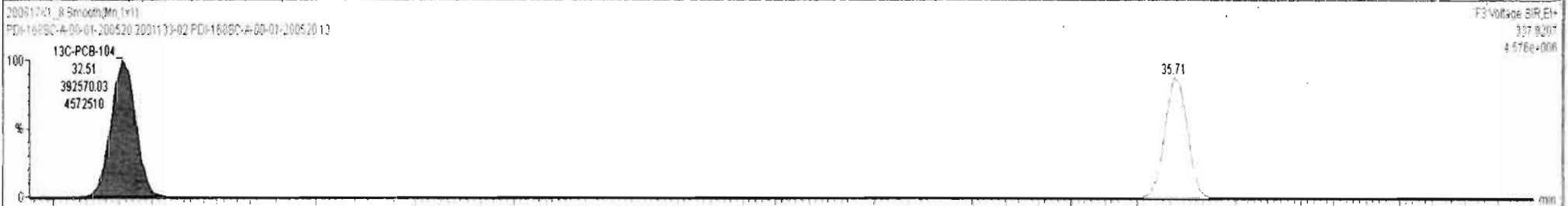
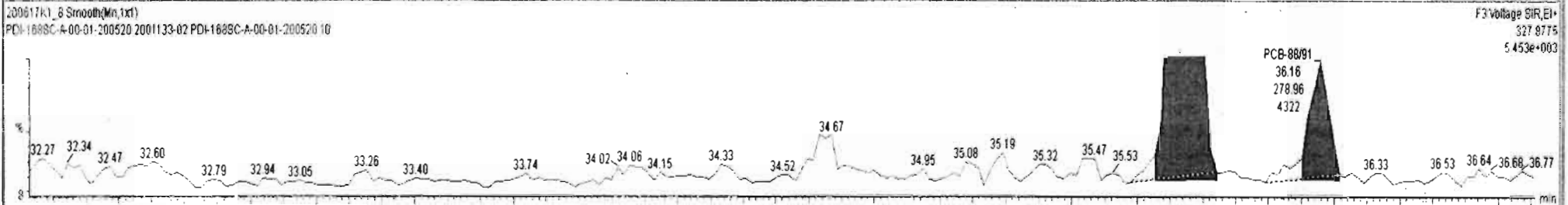
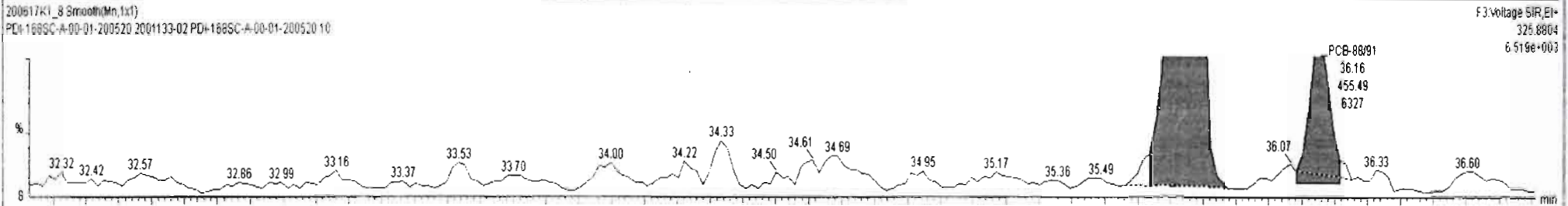
200617K1\_8





#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.455	0.00		0.000		NO	46.09		10.3	46.96
229	229 3rd Function Penta-PCBs				1.3157	5.455	0.00		0.000		NO	82.65		14.2	101.5
230	230 4th Function Penta-PCBs				1.0735	5.455	0.00		0.000		NO	3.650		1.58	3.650

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	69 PCB-95/98/102	35.67	35.75	3.429e3	2.444e3	1.560	1.40	NO	18.203	18.203
2	71 PCB-88/91	36.14	36.16	4.555e2	2.790e2	1.560	1.63	NO	2.5752	2.5752



Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

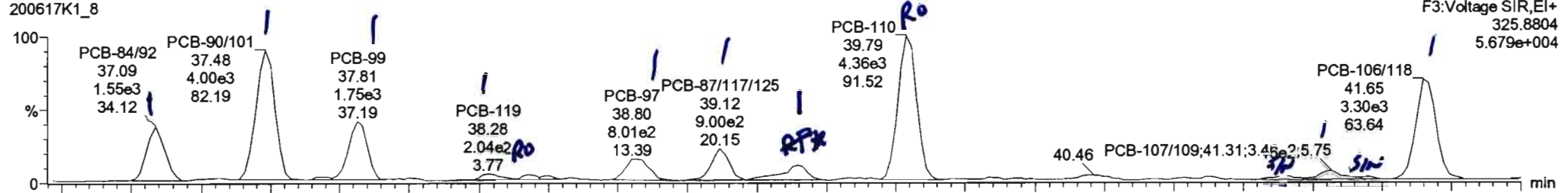
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

\* Jun 07-08-2020

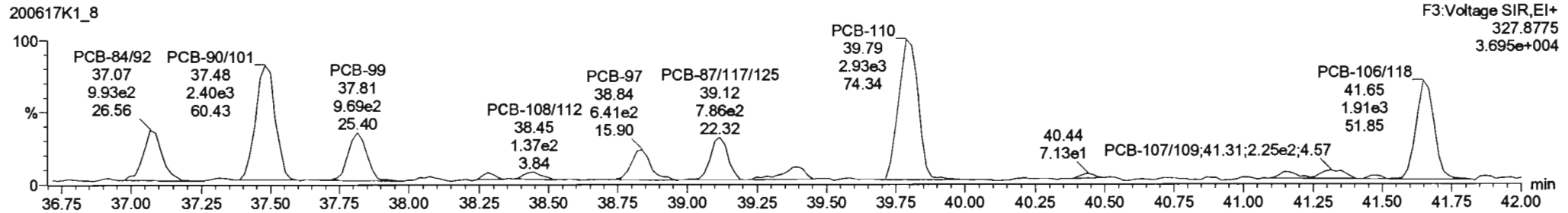
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PCB-119

200617K1\_8

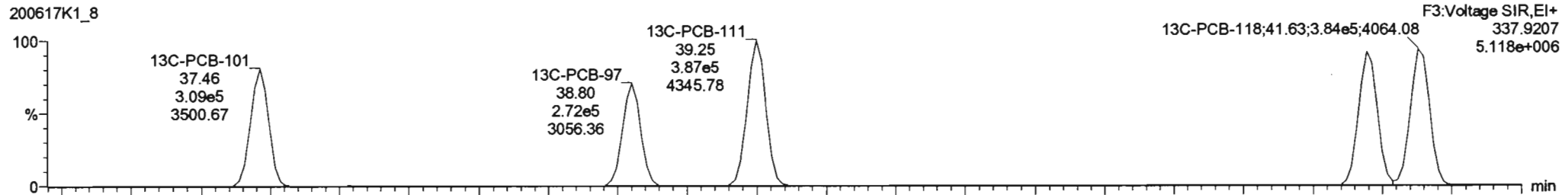


200617K1\_8

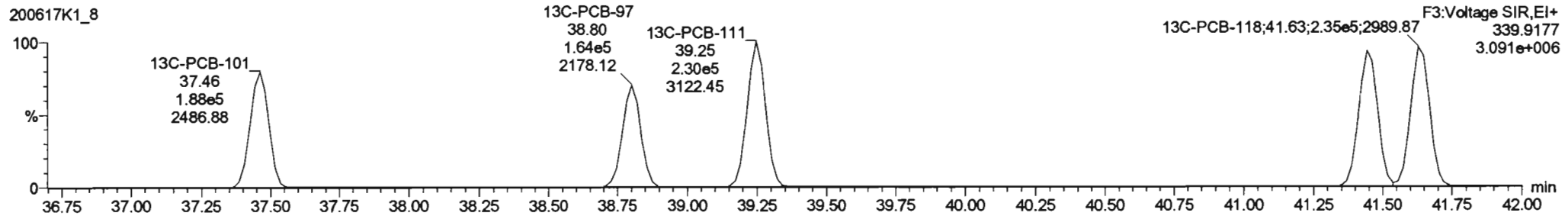


13C-PCB-111

200617K1\_8



200617K1\_8

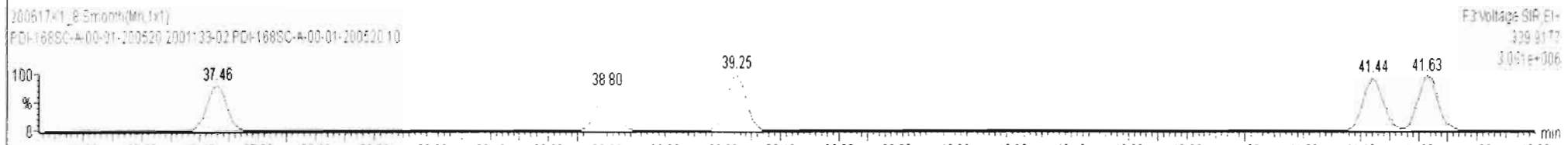
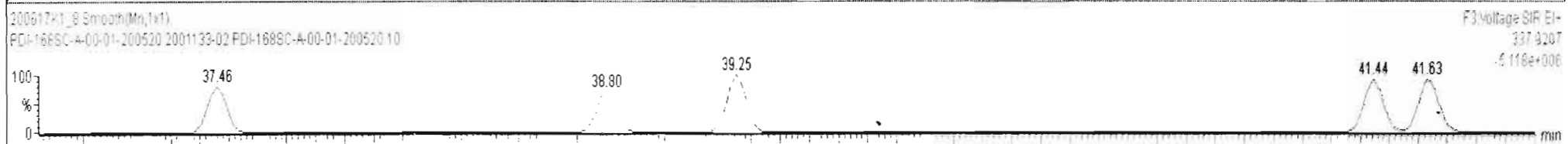
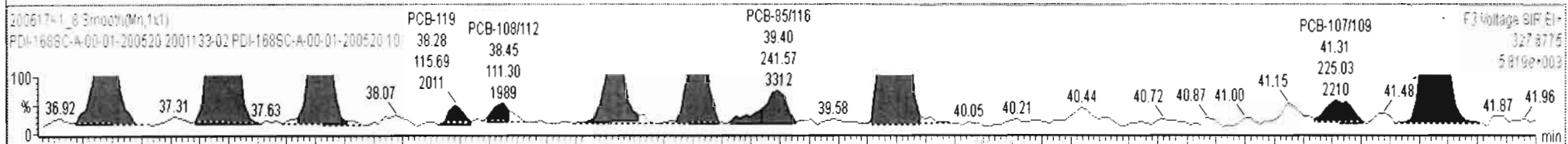
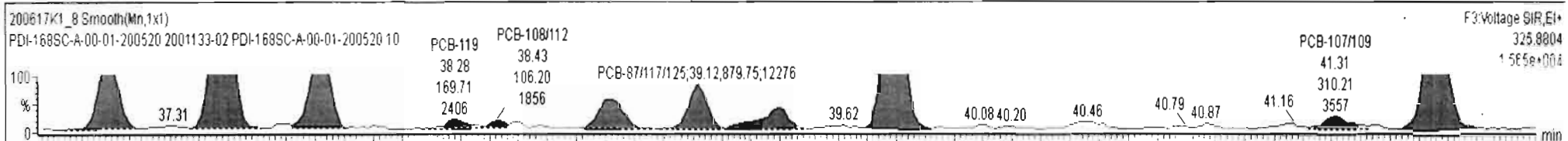




200617K1\_8 - 2001133-02 PDI-168SC-A-00-01-200520 10 - PDI-168SC-A-00-01-200520

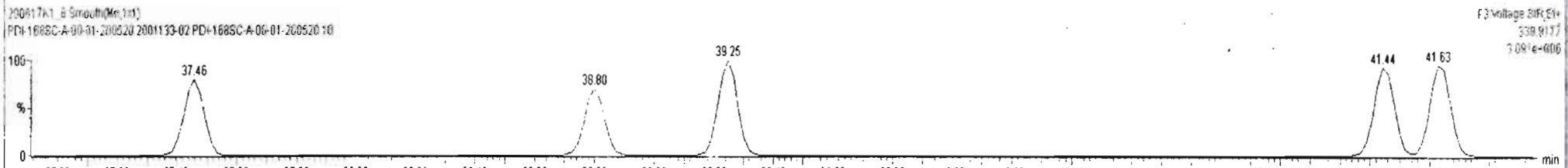
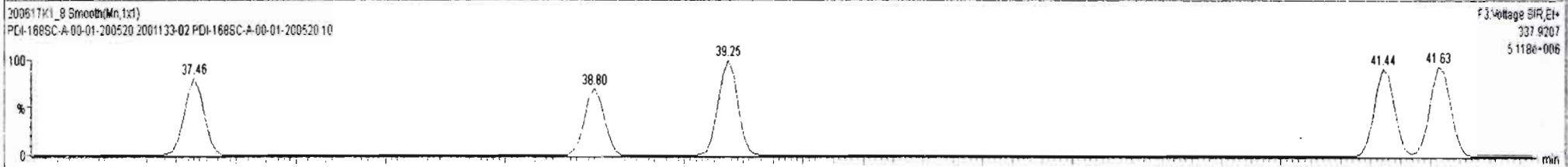
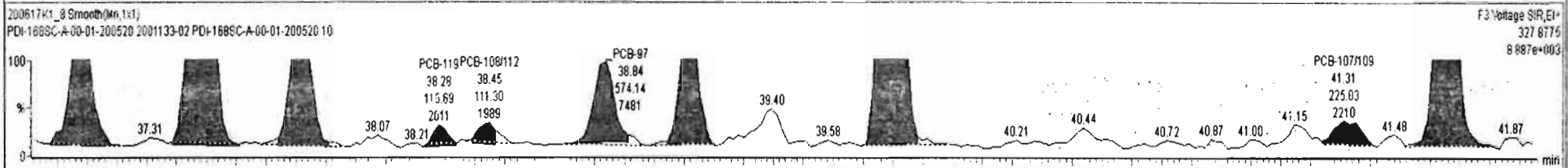
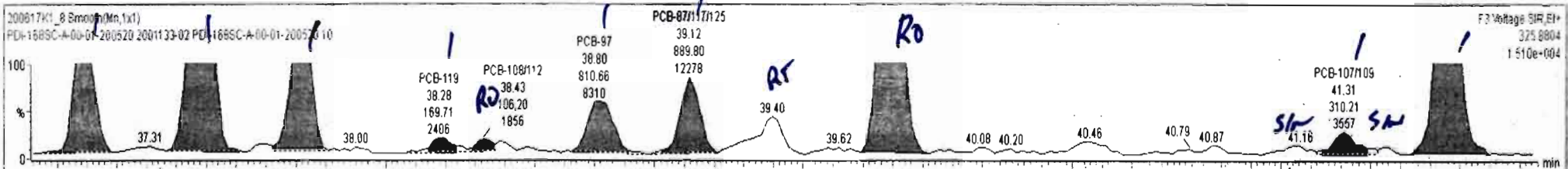
#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.3157	5.455	0.00		0.000		NO	97.23		14.2	102.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	75 PCB-90/101	37.48	37.48	4.029e3	2.446e3	1.560	1.65	NO	21.301	21.301
2	73 PCB-84/92	37.10	37.09	1.540e3	1.001e3	1.560	1.54	NO	9.2205	9.2205
3	71 PCB-88/91	36.14	36.16	4.555e2	2.790e2	1.560	1.63	NO	2.5752	2.5752
4	69 PCB-95/98/102	35.67	35.75	3.429e3	2.444e3	1.560	1.40	NO	18.203	18.203
5	92 PCB-106/118	41.67	41.65	3.303e3	1.898e3	1.560	1.74	NO	12.640	12.640
6	90 PCB-107/109	41.29	41.31	3.102e2	2.250e2	1.560	1.38	NO	1.2353	1.2353
7	87 PCB-110	39.79	39.79	4.356e3	2.896e3	1.560	1.50	NO	17.505	17.505
8	85 PCB-85/116	39.40	39.40	4.266e2	2.416e2	1.560	1.77	NO	1.9923	1.9923
9	83 PCB-87/117/125	39.12	39.12	8.798e2	7.691e2	1.560	1.14	YES	3.8957	0.00000
10	81 PCB-97	38.82	38.80	8.107e2	5.741e2	1.560	1.41	NO	4.5440	4.5440
11	79 PCB-108/112	38.46	38.43	1.062e2	1.113e2	1.560	0.95	YES	0.50737	0.00000



#	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	5.455	0.00		0.000		NO	46.09		10.3	46.96
229	229 3rd Function Penta-PCBs				1.3157	5.455	0.00		0.000		NO	95.23		14.2	99.68
230	230 4th Function Penta-PCBs				1.0735	5.455	0.00		0.000		NO	3.650		1.58	3.650

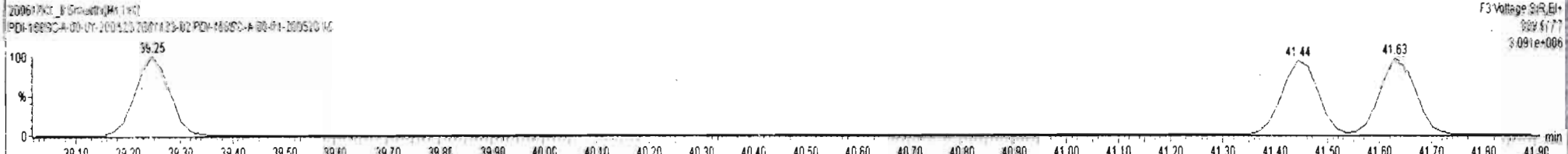
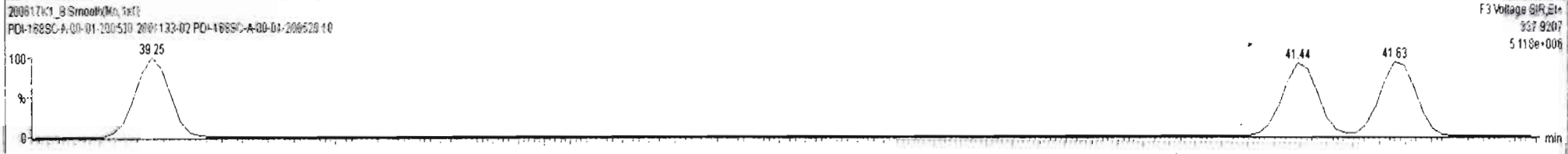
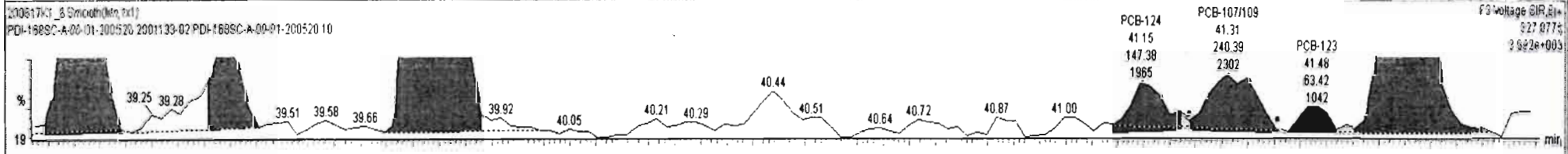
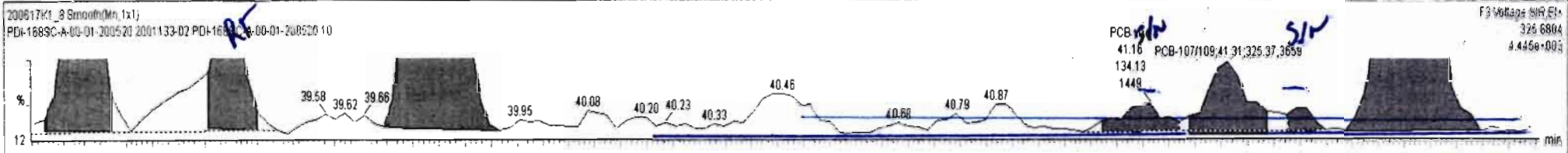
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	I* Ratio (Pred)	RA	nly	EMPC	Conc.
3	73 PCB-84/82	37.10	37.09	1.540e3	1.001e3	1.560	1.54	NO	9.2205	9.2205
4	75 PCB-90/101	37.48	37.46	4.029e3	2.448e3	1.560	1.65	NO	21.301	21.301
5	77 PCB-99	37.81	37.81	1.682e3	9.456e2	1.560	1.78	NO	7.3442	7.3442
6	78 PCB-119	38.30	38.28	1.697e2	1.157e2	1.560	1.47	NO	0.66501	0.66501
7	79 PCB-108/112	38.46	38.43	1.062e2	1.113e2	1.560	0.95	YES	0.50737	0.00000
8	81 PCB-97	38.82	38.80	7.107e2	5.741e2	1.560	1.41	NO	4.5440	4.5440
9	83 PCB-87/117/125	39.12	39.12	8.898e2	7.626e2	1.560	1.17	YES	3.9402	0.00000
10	87 PCB-110	39.79	39.79	4.356e3	2.896e3	1.560	1.50	NO	17.505	17.505
11	90 PCB-107/109	41.29	41.31	3.102e2	2.250e2	1.560	1.38	NO	1.2353	1.2353
12	92 PCB-106/118	41.67	41.65	3.303e3	1.898e3	1.560	1.74	NO	12.640	12.640



#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.455	0.00		0.000		NO	46.09		10.3	46.96
229	229 3rd Function Penta-PCBs				1.3157	5.455	0.00		0.000		NO	95.30		14.2	101.4
230	230 4th Function Penta-PCBs				1.0735	5.455	0.00		0.000		NO	3.650		1.58	3.650

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
3	73 PCB-84/82	37.10	37.09	1.540e3	1.001e3	1.560	1.54	NO	9.2205	9.2205
4	75 PCB-90/101	37.48	37.46	4.029e3	2.448e3	1.560	1.65	NO	21.301	21.301
5	77 PCB-99	37.81	37.81	1.682e3	9.456e2	1.560	1.78	NO	7.3442	7.3442
6	78 PCB-119	38.30	38.28	1.697e2	1.157e2	1.560	1.47	NO	0.68501	0.68501
7	79 PCB-108/112	38.46	38.43	1.062e2	1.113e2	1.560	0.95	YES	0.50737	0.00000
8	81 PCB-97	38.82	38.80	8.107e2	5.741e2	1.560	1.41	NO	4.5440	4.5440
9	83 PCB-87/117/125	39.13	39.12	8.403e2	7.807e2	1.560	1.08	YES	3.7209	0.00000
10	84 PCB-111/115	39.27	39.40	3.795e2	2.048e2	1.560	1.85	YES	1.1543	0.00000
11	87 PCB-110	39.79	39.79	4.356e3	2.896e3	1.560	1.50	NO	17.505	17.505
12	89 PCB-124	41.15	41.16	1.341e2	1.474e2	1.560	0.91	YES	0.48798	0.00000
13	90 PCB-107/109	41.29	41.31	3.254e2	2.404e2	1.560	1.35	NO	1.3057	1.3057
14	91 PCB-123	41.46	41.44	5.933e1	6.342e1	1.560	0.94	YES	0.25168	0.00000
15	92 PCB-106/118	41.67	41.65	3.303e3	1.899e3	1.560	1.74	NO	12.640	12.640

AS 0.13 late





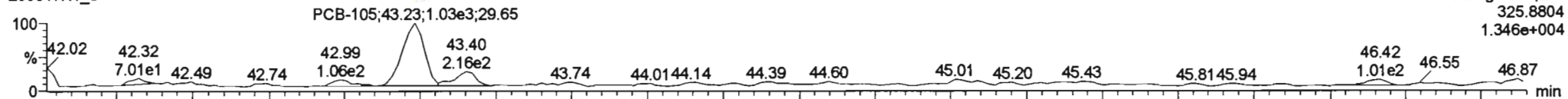
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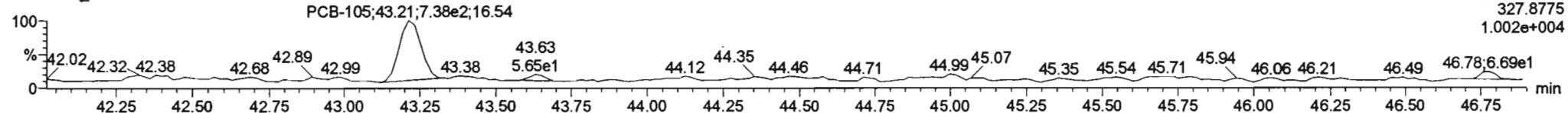
Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

**PCB-114**

200617K1\_8

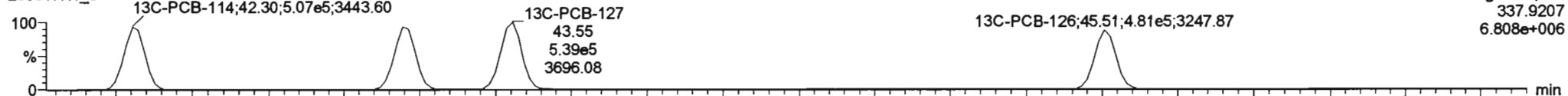


200617K1\_8

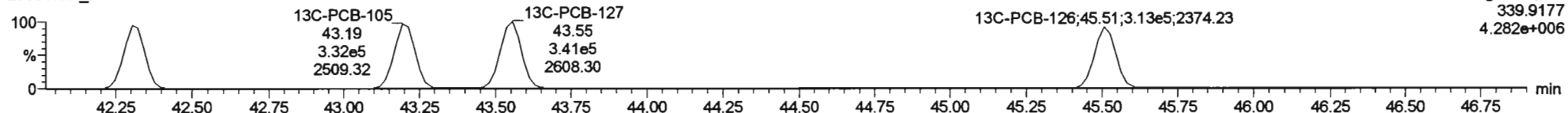


**13C-PCB-114**

200617K1\_8

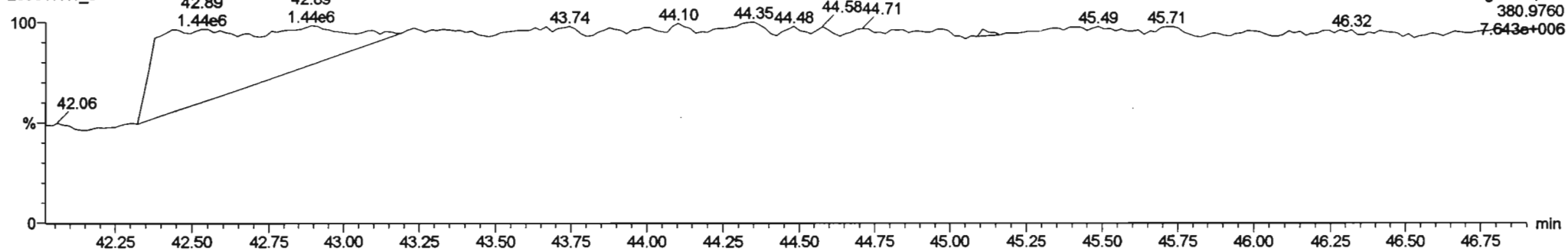


200617K1\_8



**PFK4a**

200617K1\_8



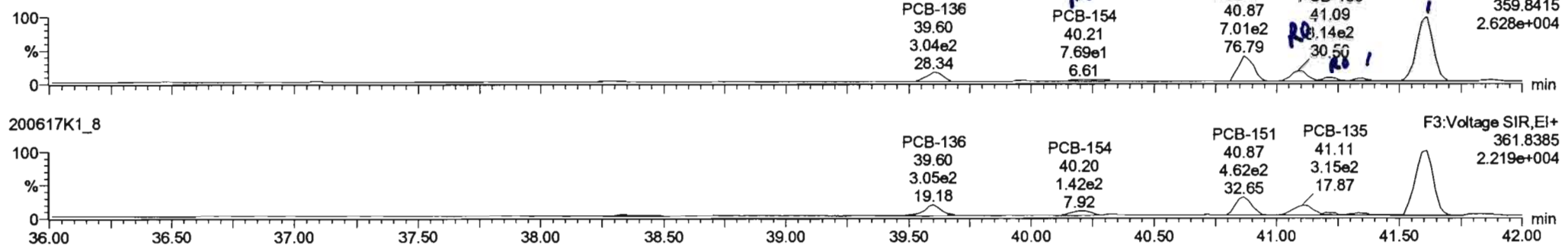
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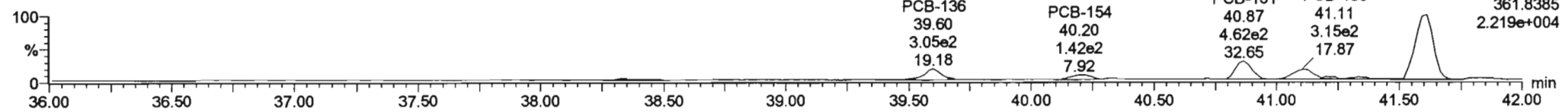
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**PCB-155**

200617K1\_8

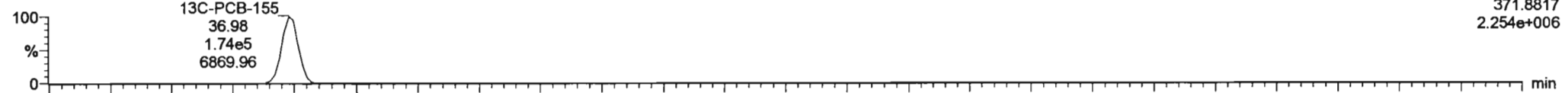


200617K1\_8

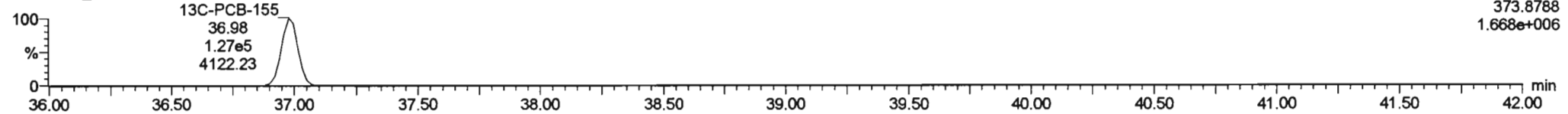


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200617K1\_8

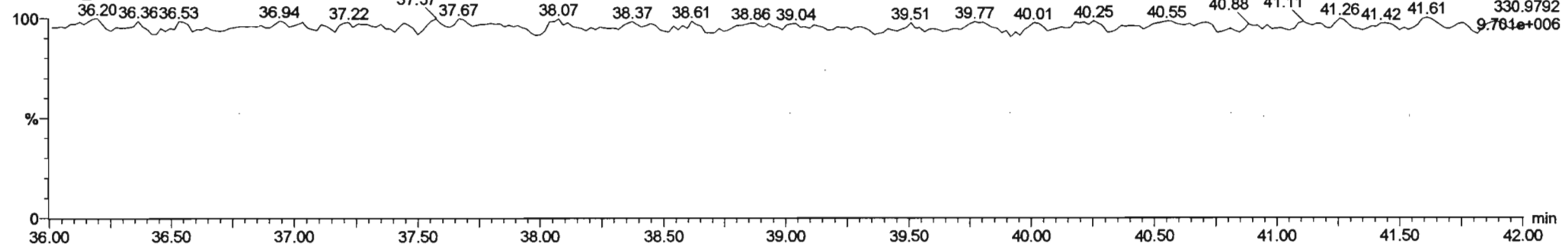


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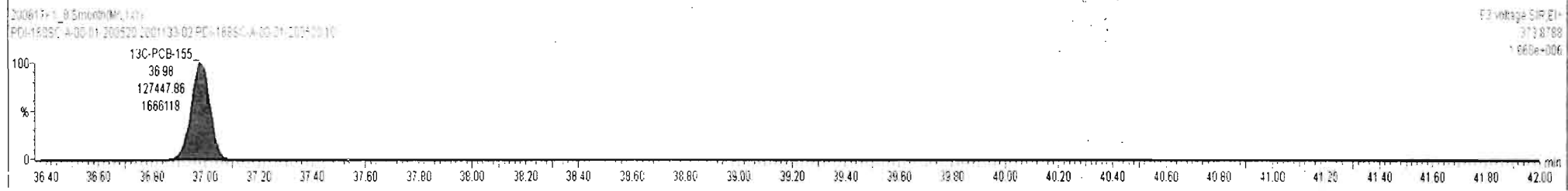
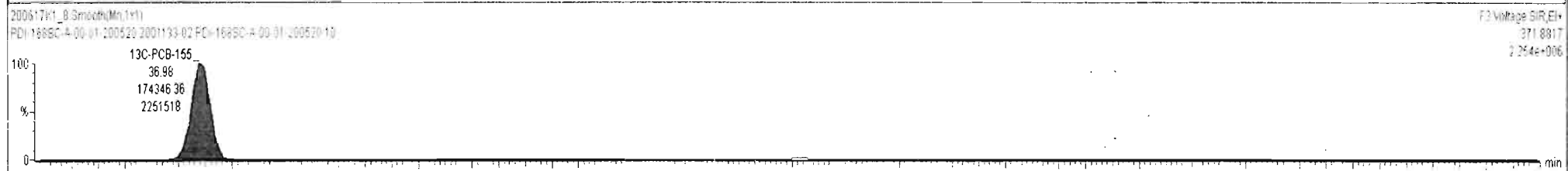
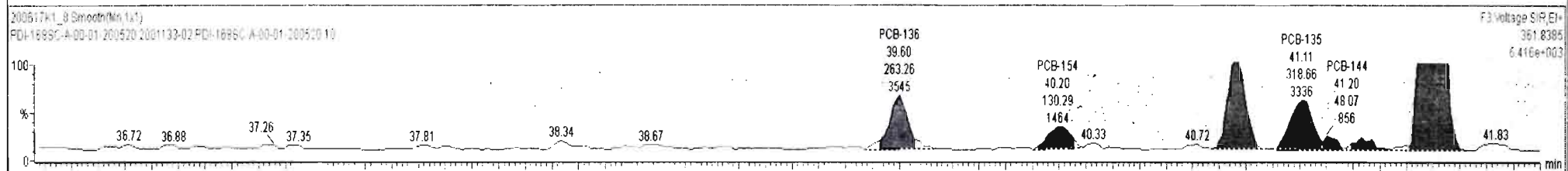
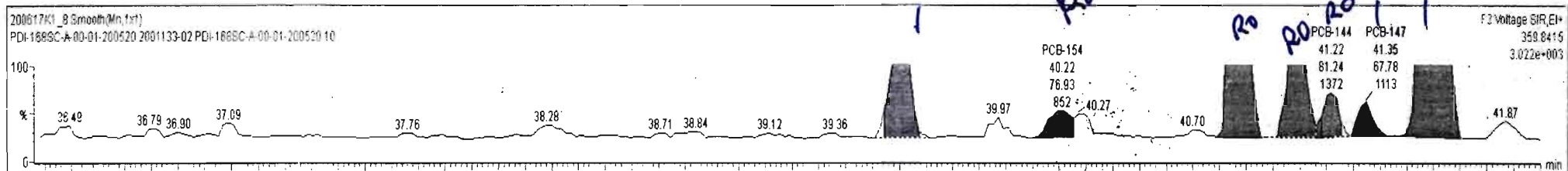
**PFK3c**

200617K1\_8



#	Name	Resp	RA	nly	RFF	wIvol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0735	5.455	0.00		0.000		NO	3.650		1.58	3.650
231	231 3rd Function Hexa-PCBs				0.9505	5.455	0.00		0.000		NO	28.48		4.13	41.93
232	232 4th Function Hexa-PCBs				1.0316	5.455	0.00		0.000		NO	65.32		7.46	66.37

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	1... PCB-136	39.60	39.60	2.851e2	2.633e2	1.240	1.08	NO	3.2627	3.2627
2	1... PCB-154	40.22	40.22	7.693e1	1.303e2	1.240	0.59	YES	0.91866	0.00000
3	1... PCB-151	40.88	40.87	7.008e2	4.547e2	1.240	1.54	YES	7.9673	0.00000
4	1... PCB-135	41.09	41.09	3.221e2	3.187e2	1.240	1.01	YES	3.8327	0.00000
5	1... PCB-144	41.20	41.22	8.124e1	4.807e1	1.240	1.69	YES	0.82901	0.00000
6	1... PCB-147	41.33	41.35	6.778e1	5.568e1	1.240	1.22	NO	0.89875	0.89875
7	1... PCB-139/149	41.62	41.61	1.966e3	1.629e3	1.240	1.08	NO	24.319	24.319

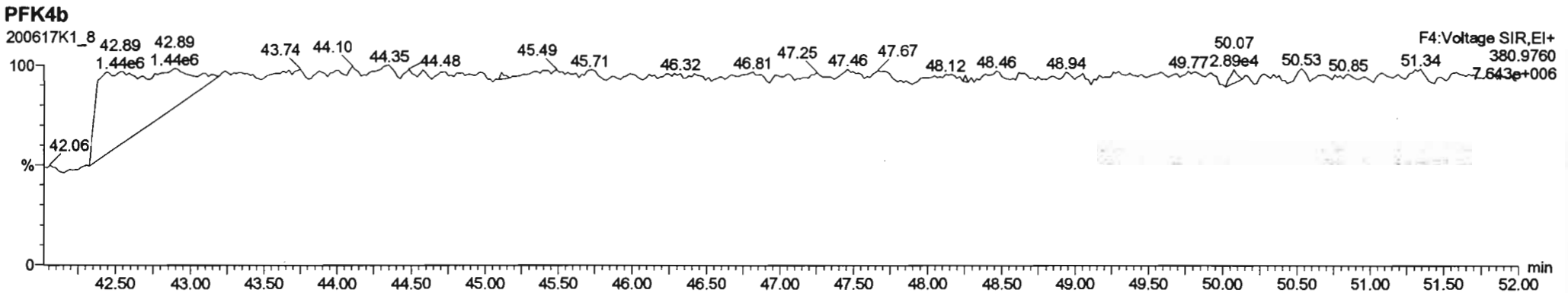
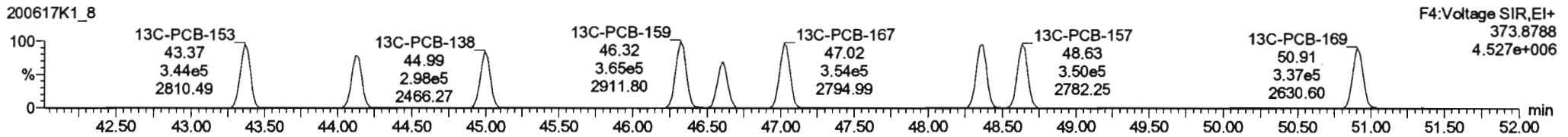
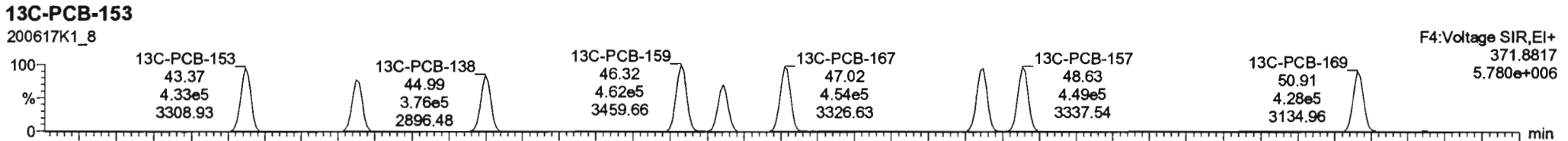
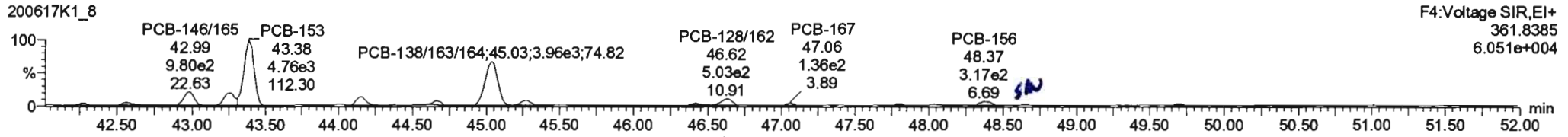
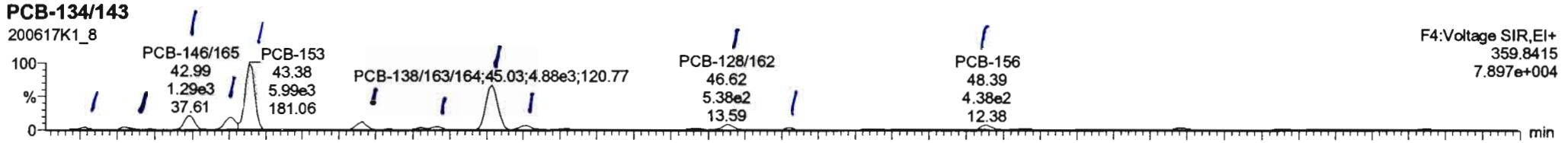




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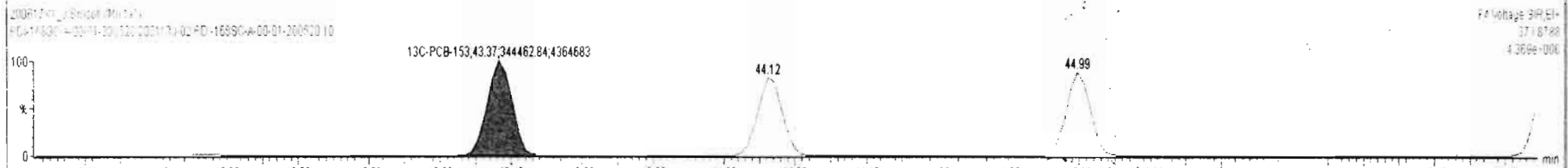
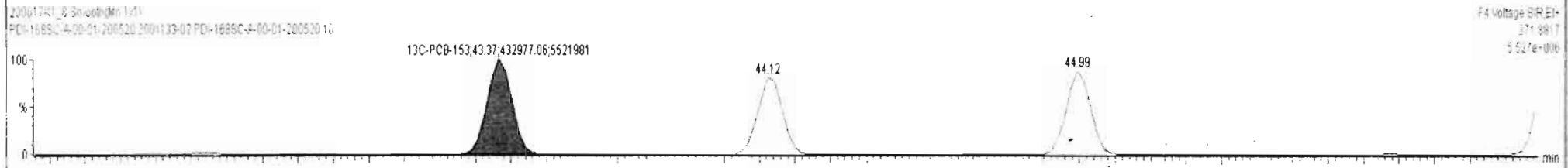
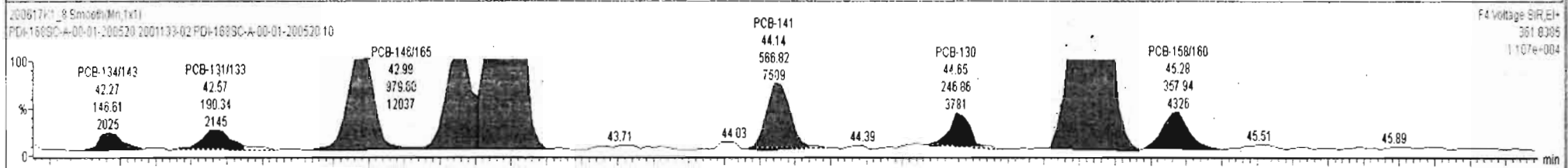
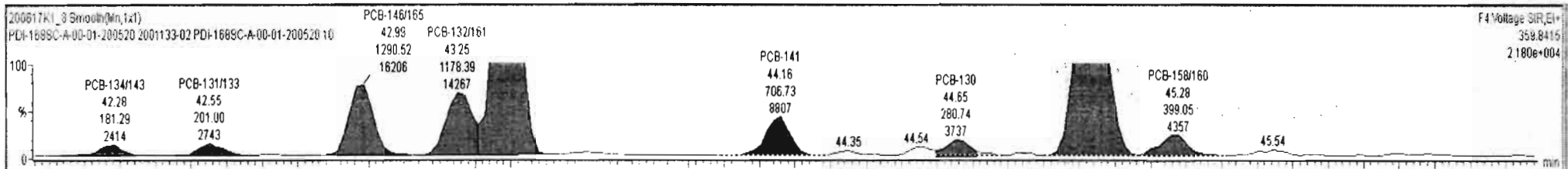
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
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Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520



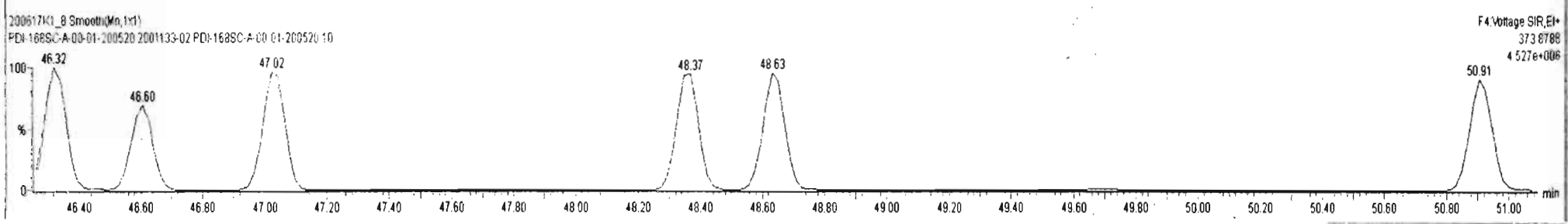
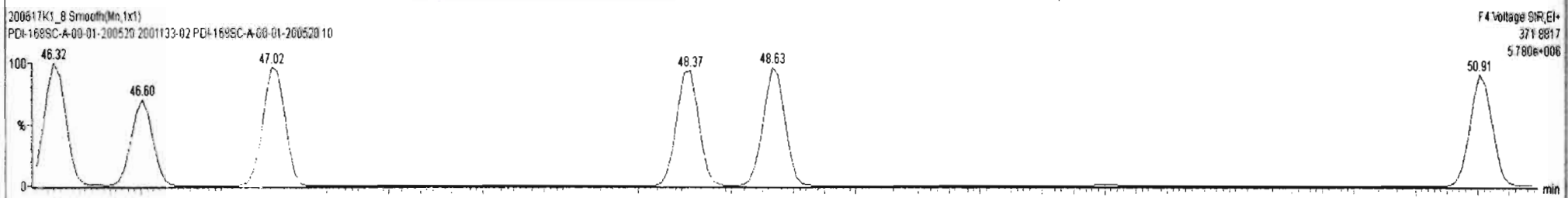
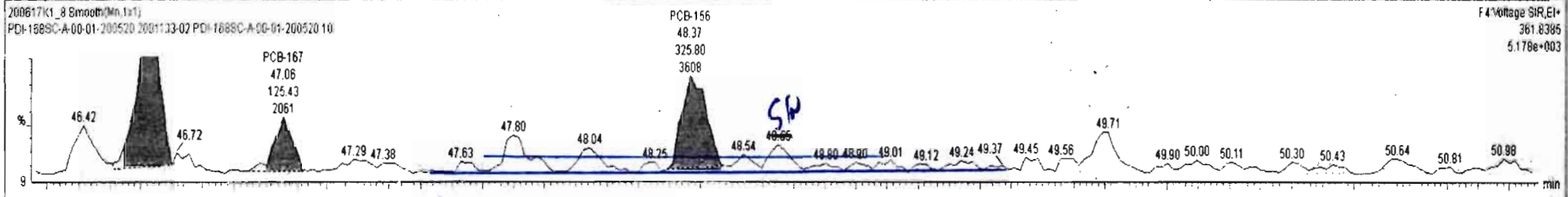
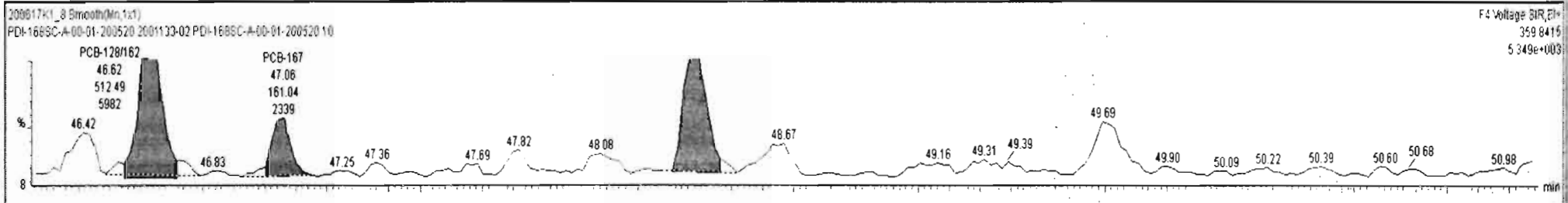
#	Name	Resp	RA	nly	RRF	wt/wt	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.9505	5.455	0.00		0.000		NO	28.48		4.13	41.93
232	232 4th Function Hexa-PCBs				1.0316	5.455	0.00		0.000		NO	66.36		7.46	66.36
233	233 Total Hepta-PCBs				1.3551	5.455	0.00		0.000		NO	73.29		6.66	88.41
234	234 4th Function Octa-PCBs				1.0008	5.455	0.00		0.000		NO	47.98		5.02	75.62
235	235 5th Function Octa-PCBs				1.1406	5.455	0.00		0.000		NO	11.19		1.15	13.27

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	1 PCB-134/143	42.28	42.28	1.813e2	1.466e2	1.240	1.24	NO	1.0188	1.0188
2	2 PCB-131/133	42.58	42.55	2.010e2	1.903e2	1.240	1.06	NO	1.1243	1.1243
3	3 PCB-146/165	42.97	42.99	1.291e3	9.796e2	1.240	1.32	NO	5.2657	5.2657
4	4 PCB-132/161	43.20	43.25	1.178e3	9.414e2	1.240	1.25	NO	4.8809	4.8809
5	5 PCB-153	43.38	43.38	5.990e3	4.760e3	1.240	1.26	NO	23.678	23.678
6	6 PCB-141	44.14	44.16	7.067e2	5.668e2	1.240	1.25	NO	3.5690	3.5690
7	7 PCB-130	44.64	44.65	2.807e2	2.469e2	1.240	1.14	NO	1.7145	1.7145
8	8 PCB-138/163/164	45.03	45.03	4.871e3	3.963e3	1.240	1.23	NO	18.718	18.718
9	9 PCB-158/160	45.28	45.28	3.990e2	3.579e2	1.240	1.11	NO	1.6602	1.6602



#	Name	Resp	RA	nly	RRF	wt/val	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	1 PCB-1			NO	1.1683	5.455	15.54		1.001		YES			0.311	
2	2 PCB-2	6.44e2	3.31	NO	1.1828	5.455	17.97	17.96	0.988	0.988	NO	0.7822		0.266	0.7822
3	3 PCB-3	9.10e2	3.04	NO	1.1483	5.455	18.20	18.20	1.001	1.001	NO	1.138		0.274	1.138
4	4 PCB-4/0			NO	1.2481	5.455	19.61		1.004		YES			1.33	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
10	1... PCB-128/162	46.63	46.62	5.125e2	4.785e2	1.240	1.07	NO	2.4229	2.4229
11	1... PCB-167	47.04	47.06	1.610e2	1.254e2	1.240	1.28	NO	0.58566	0.58566
12	1... PCB-156	48.39	48.39	4.228e2	3.259e2	1.240	1.30	NO	1.5310	1.5310



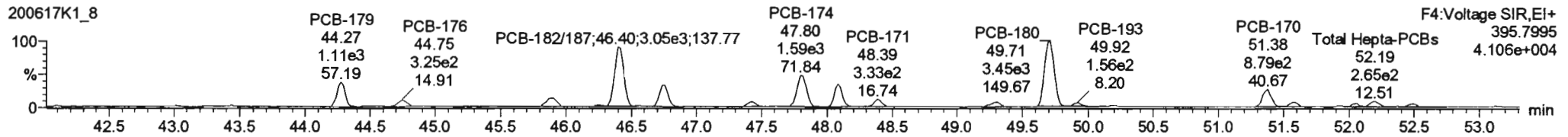
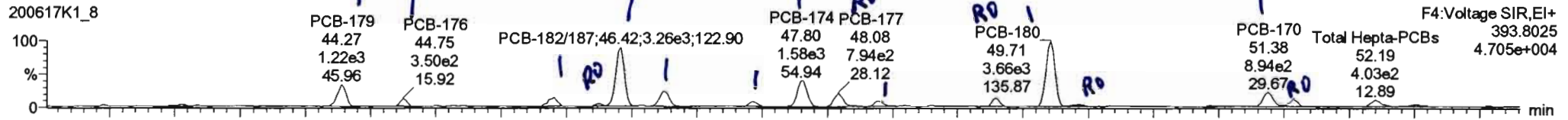
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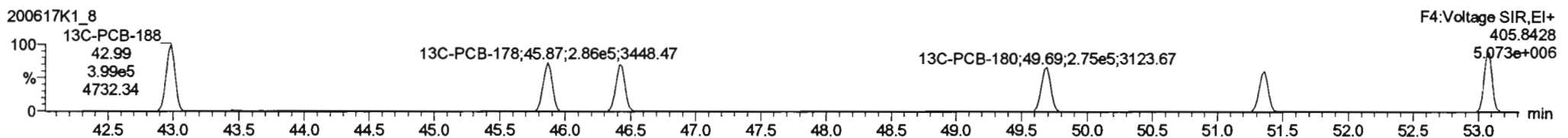
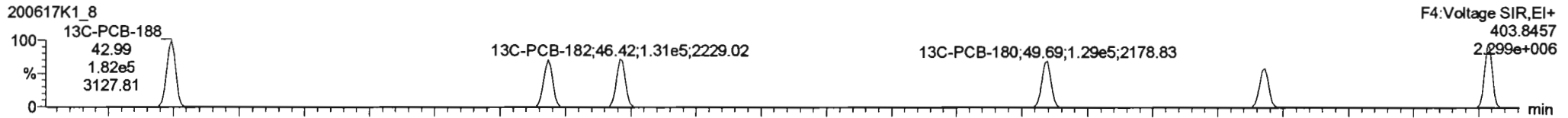
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Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

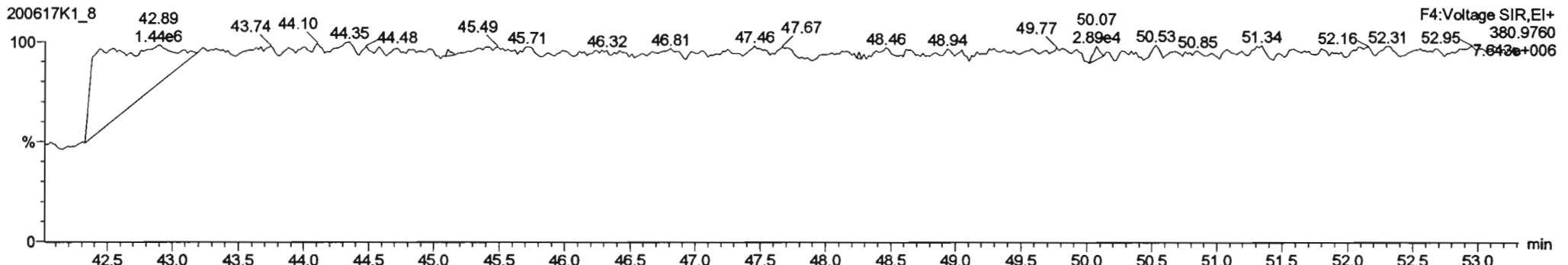
**PCB-188**



**13C-PCB-188**



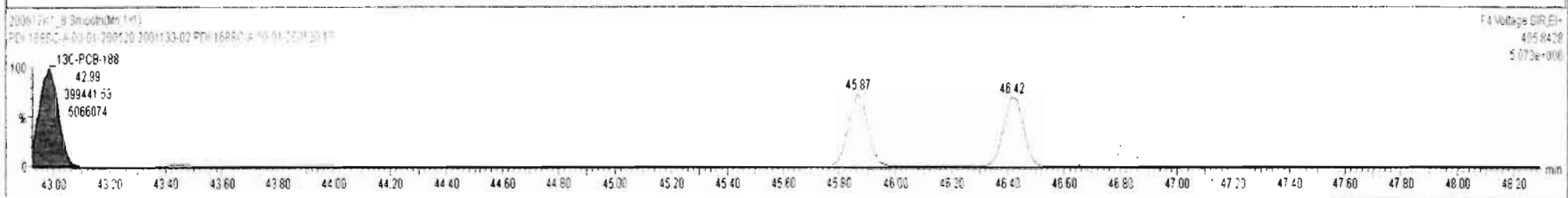
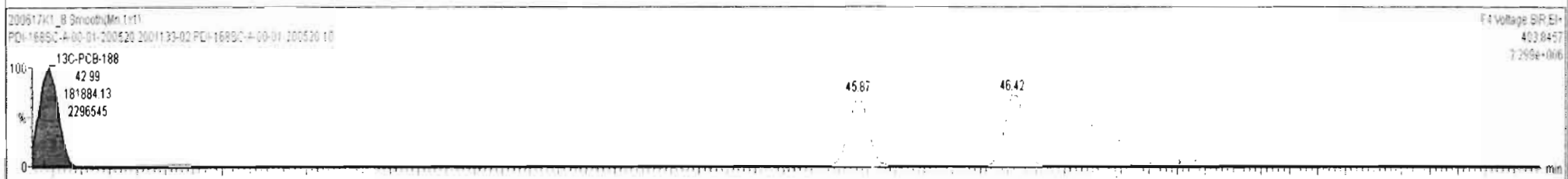
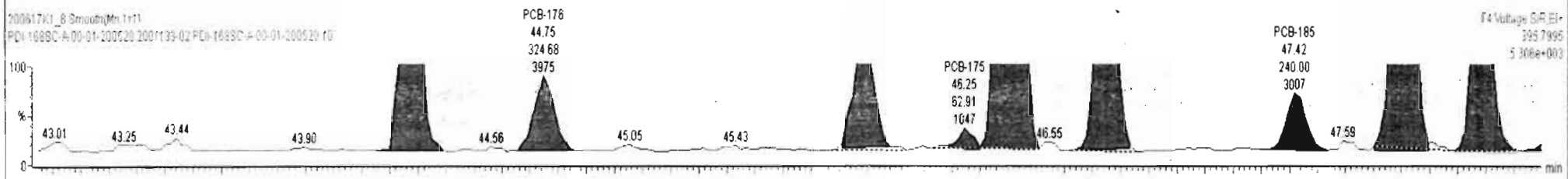
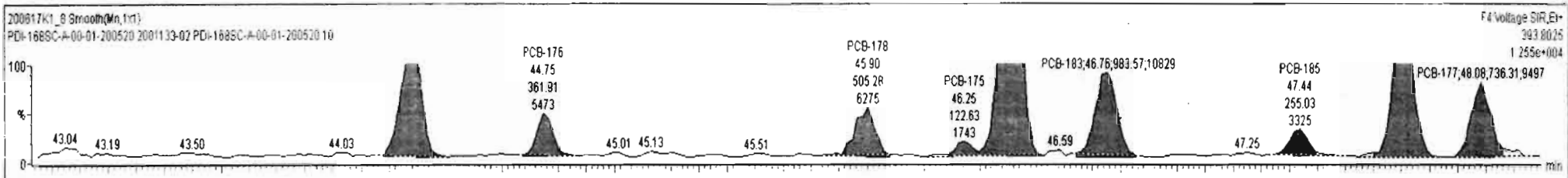
**PFK4c**





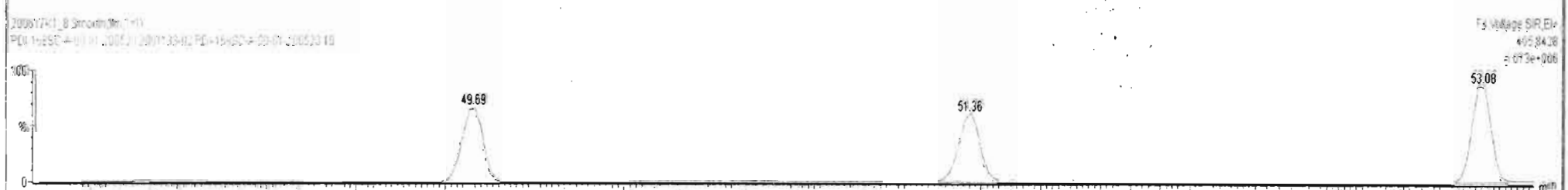
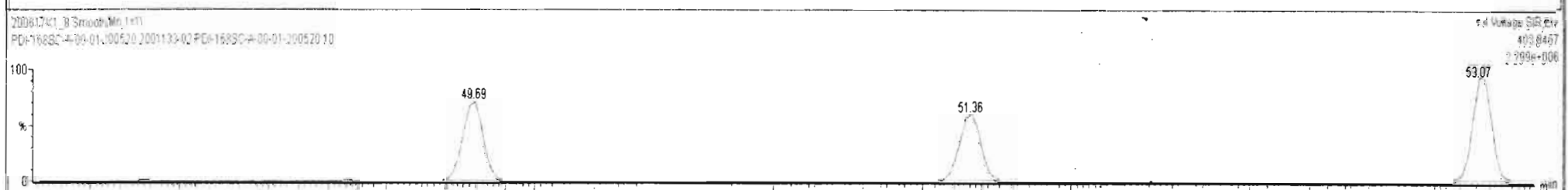
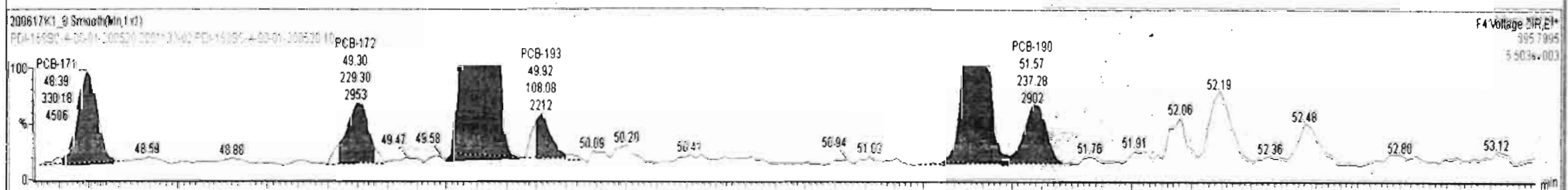
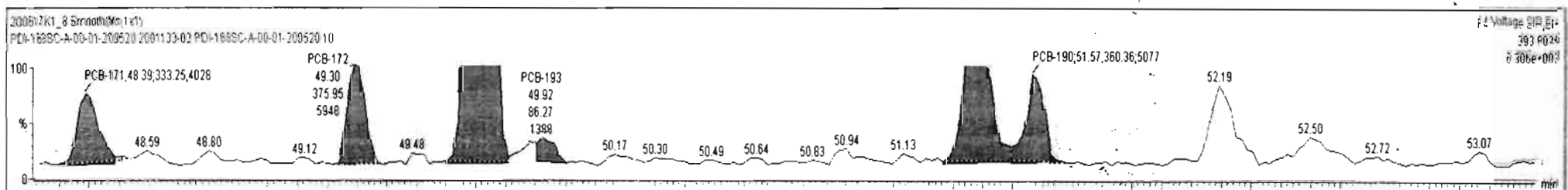
#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.455	0.00		0.000		NO	79.45		6.66	88.61
234	234 4th Function Octa-PCBs				1.0008	5.455	0.00		0.000		NO	47.98		5.02	75.62
235	235 5th Function Octa-PCBs				1.1499	5.455	0.00		0.000		NO	11.18		1.15	13.37
236	236 Total Nonna-PCBs				0.0522	5.455	0.00		0.000		NO	1.688		0.075	15.43

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	1... PCB-179	44.28	44.27	1.233e3	1.106e3	1.050	1.12	NO	5.6833	5.6833
2	1... PCB-176	44.74	44.75	3.619e2	3.247e2	1.050	1.11	NO	1.6546	1.6546
3	1... PCB-178	45.88	45.90	5.053e2	4.702e2	1.050	1.07	NO	3.2616	3.2616
4	1... PCB-175	46.24	46.25	1.226e2	6.291e1	1.050	1.95	YES	0.42531	0.00000
5	1... PCB-182/187	46.42	46.42	3.279e3	3.056e3	1.050	1.07	NO	18.738	18.738
6	1... PCB-183	46.76	46.76	9.836e2	1.034e3	1.050	0.95	NO	6.2208	6.2208
7	1... PCB-185	47.44	47.44	2.550e2	2.400e2	1.050	1.06	NO	1.5994	1.5994
8	1... PCB-174	47.82	47.80	1.566e3	1.599e3	1.050	0.98	NO	10.617	10.617
9	1... PCB-177	48.08	48.08	7.363e2	1.030e3	1.050	0.72	YES	5.1093	0.00000



#	Name	Resp	RA	nly	RRT	wt/Vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.455	0.00		0.000		NO	79.77		6.66	88.68
234	234 4th Function Octa-PCBs				1.0008	5.455	0.00		0.000		NO	47.98		5.02	75.62
235	235 5th Function Octa-PCBs				1.1499	5.455	0.00		0.000		NO	11.18		1.15	13.37
736	736 Total Nona-PCBs				0.9573	5.455	0.00		0.000		NO	148.8		0.075	154.3

#	Name	Pred RT	RT	m1 Resp	m2 Resp	I <sup>o</sup> Ratio (Pred)	RA	nly	EMPC	Conc
10	144 PCB-171	48.36	48.39	3.332e2	3.302e2	1.050	1.01	NO	2.2891	2.2891
11	146 PCB-172	49.30	49.30	3.759e2	2.293e2	1.050	1.64	YES	1.5523	0.00000
12	148 PCB-180	49.71	49.71	3.679e3	3.490e3	1.050	1.05	NO	23.060	23.060
13	149 PCB-193	49.92	49.92	8.627e1	1.081e2	1.050	0.80	YES	0.45615	0.00000
14	151 PCB-170	51.38	51.38	9.128e2	8.772e2	1.050	1.04	NO	6.6463	6.6463
15	152 PCB-190	51.57	51.57	3.604e2	2.373e2	1.050	1.52	YES	1.3667	0.00000





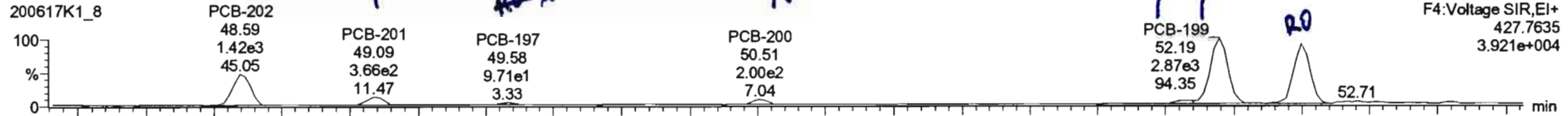
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

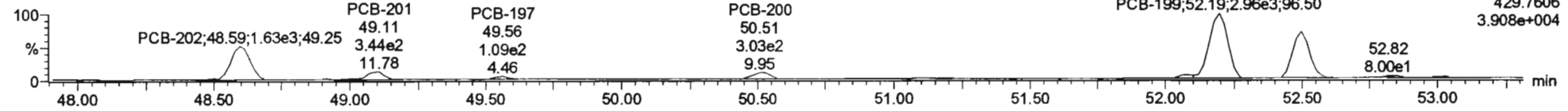
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

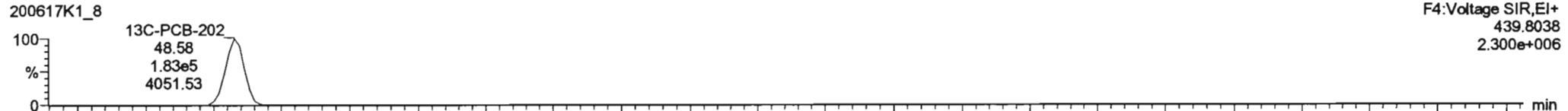
**PCB-202**



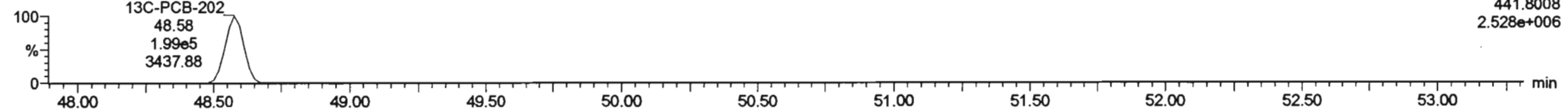
**200617K1\_8**



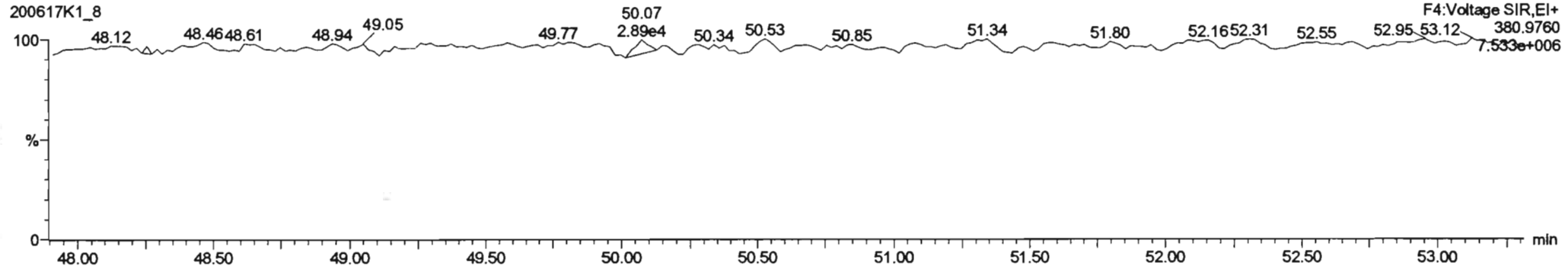
**13C-PCB-202**



**200617K1\_8**

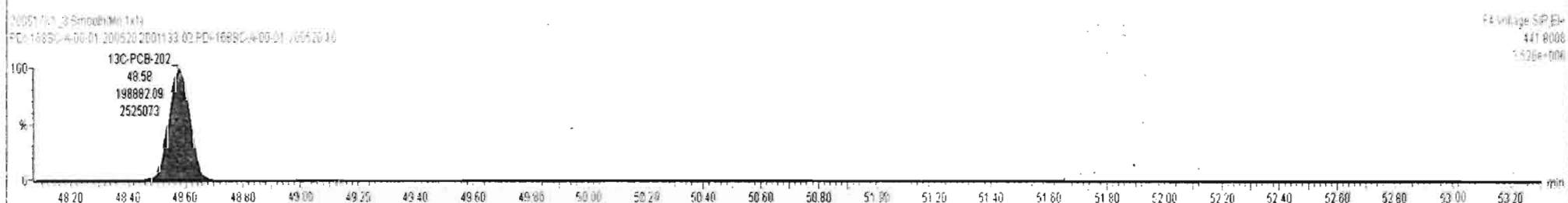
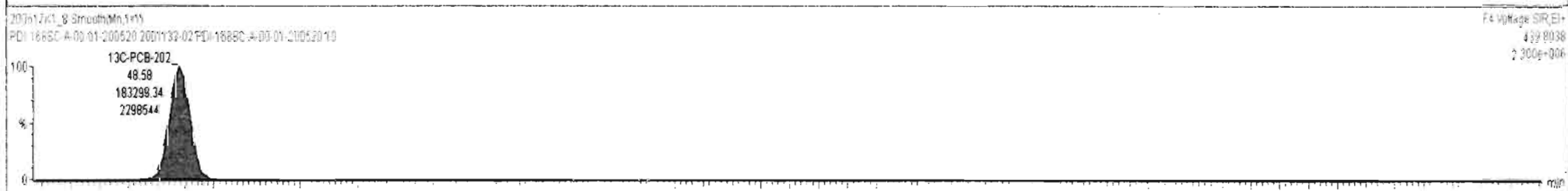
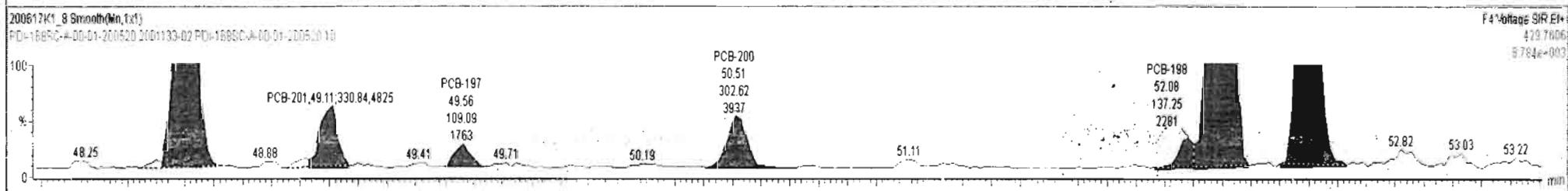
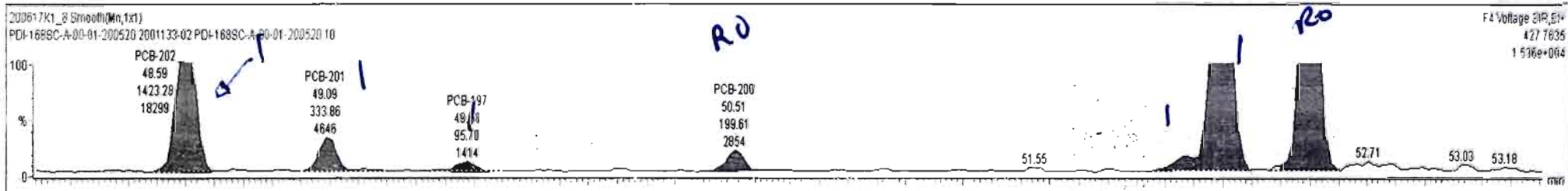


**PFK4d**



#	Name	Resp	RA	nly	RRF	wfVol	PredRT	RT	Pred.R.	RRT	RRT Fail	Conc	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.455	0.00		0.000		NO	79.77		6.66	88.68
234	234 4th Function Octa-PCBs				1.0008	5.455	0.00		0.000		NO	52.89		5.02	76.50
235	235 5th Function Octa-PCBs				1.1499	5.455	0.00		0.000		NO	11.18		1.15	13.37
236	236 Total Nona-PCBs				0.9573	5.455	0.00		0.000		NO	148.81		0.975	154.71

#	Name	PredRT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
2	155 PCB-201	49.10	49.09	3.339e2	3.308e2	0.890	1.01	NO	3.0286	3.0286
3	157 PCB-197	49.57	49.58	9.570e1	1.091e2	0.890	0.88	NO	0.86735	0.86735
4	158 PCB-200	50.50	50.51	1.996e2	3.026e2	0.890	0.86	YES	1.8998	0.00000
5	159 PCB-198	52.08	52.08	1.335e2	1.372e2	0.890	0.97	NO	1.6358	1.6358
6	160 PCB-199	52.18	52.19	2.861e3	2.996e3	0.890	0.96	NO	34.722	34.722
7	161 PCB-196/203	52.50	52.50	2.437e3	2.025e3	0.890	1.20	YES	21.903	0.00000

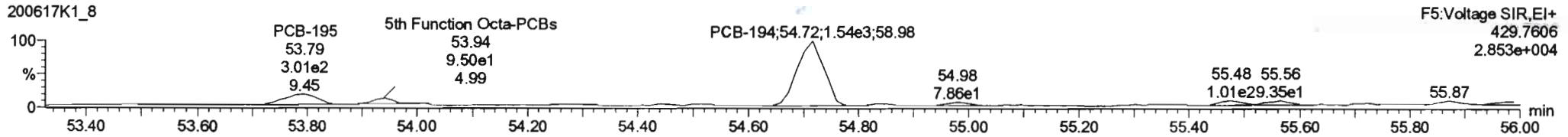
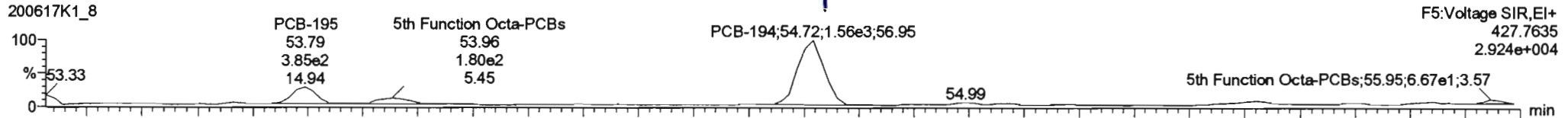


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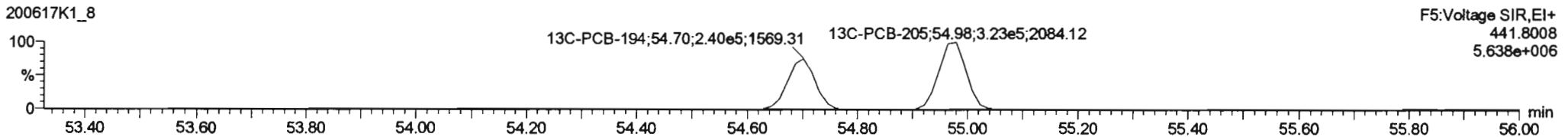
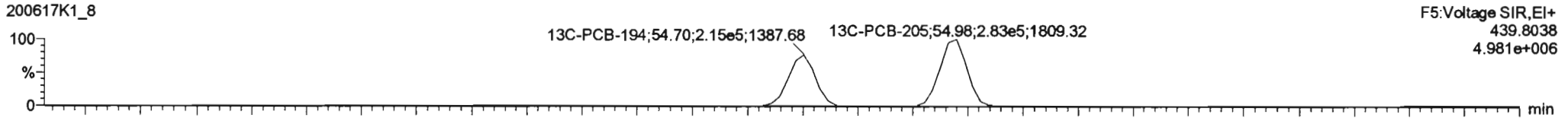
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 Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_8, Date: 17-Jun-2020, Time: 20:23:51, ID: 2001133-02 PDI-168SC-A-00-01-200520 10, Description: PDI-168SC-A-00-01-200520

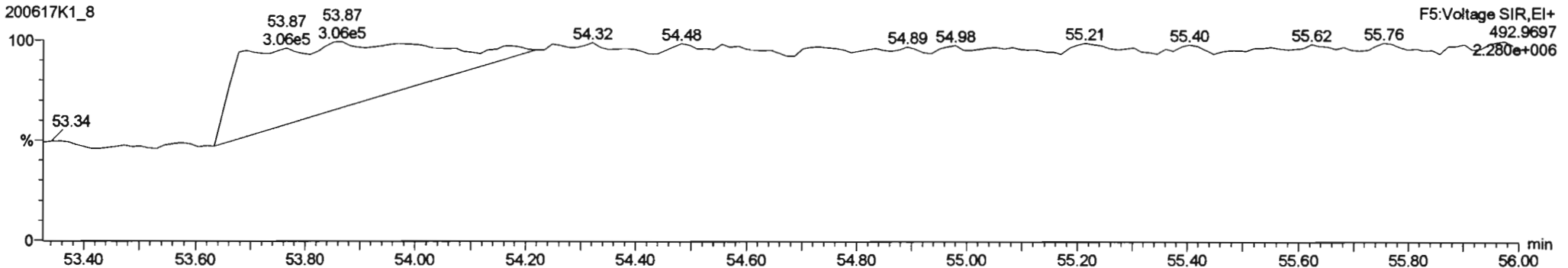
**PCB-195**



**13C-PCB-194**



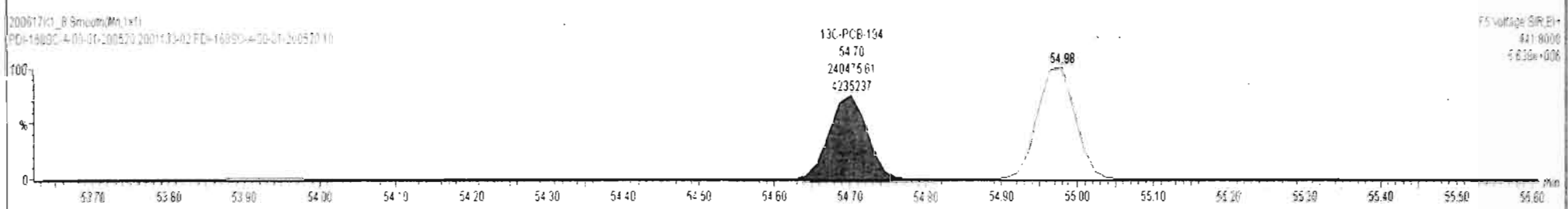
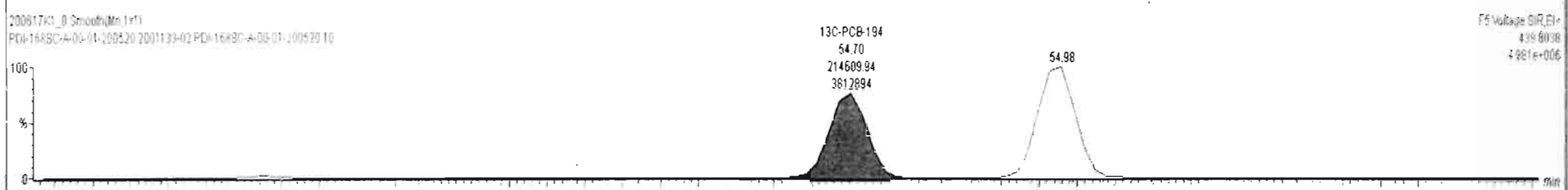
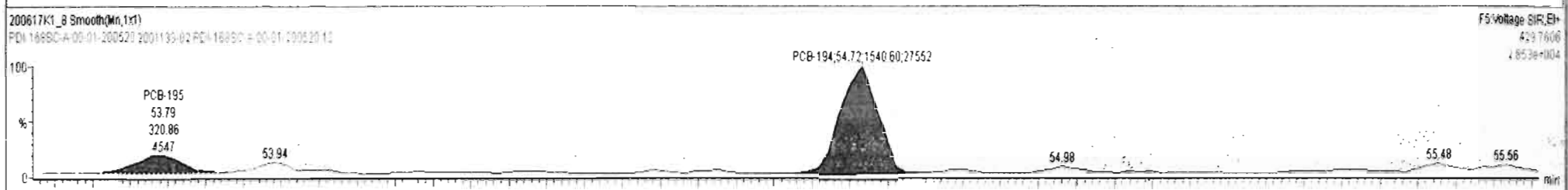
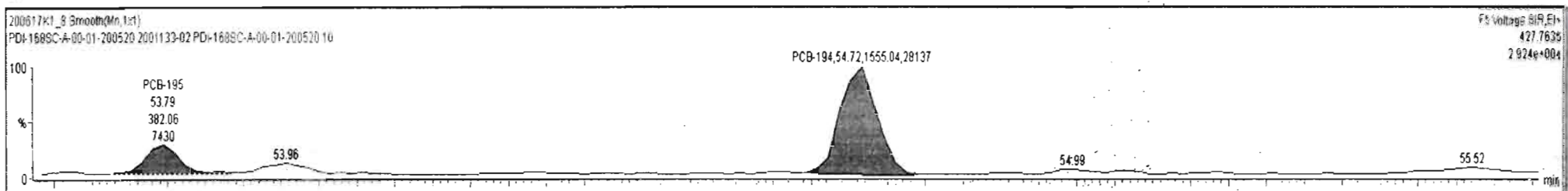
**PFK5a**



200617K1\_8 - 2001133-02 PDI-168SC-A-00-01-200520 10 - PDI-168SC-A-00-01-200520

#	Name	Resp	RA	nly	RRF	wtVol	PredRT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.455	0.00		0.000		NO	79.77		6.66	86.68
234	234 4th Function Octa-PCBs				1.0008	5.455	0.00		0.000		NO	52.69		5.02	76.50
235	235 5th Function Octa-PCBs				1.1499	5.455	0.00		0.000		NO	11.18		1.15	13.51
796	796 Total Mono-PCBs				0.9573	5.455	0.00		0.000		NO	148.8		0.075	154.1

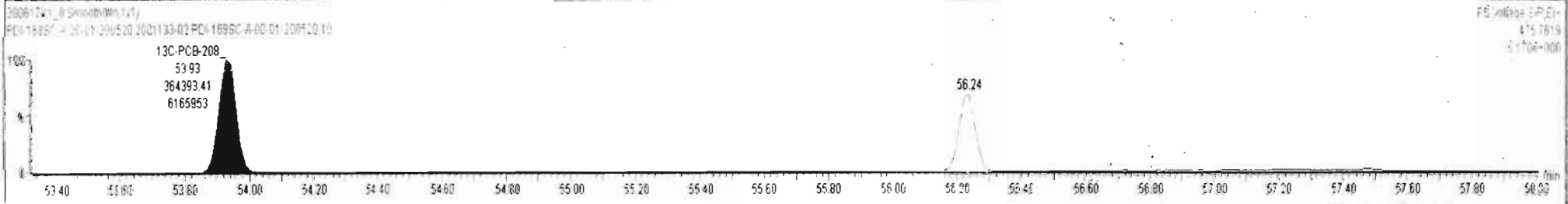
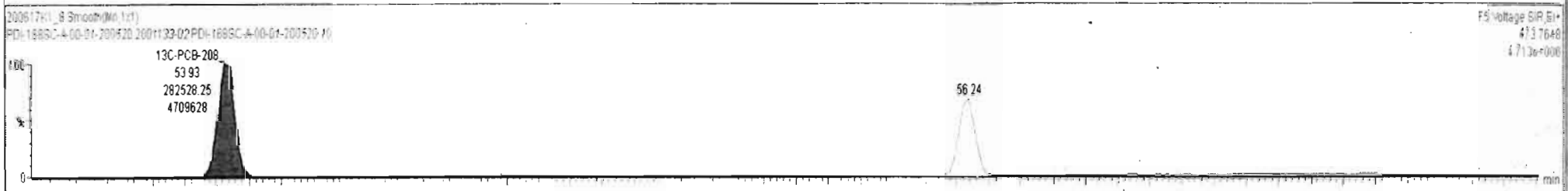
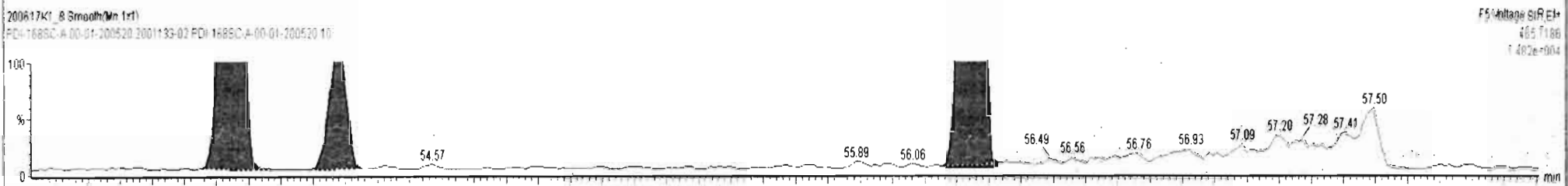
#	Name	PredRT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
1	162 PCB-195	53.80	53.79	3.821e2	3.209e2	0.890	1.19	YES	2.3390	0.00000
2	163 PCB-194	54.72	54.72	1.555e3	1.541e3	0.890	1.01	NO	11.175	11.175





#	Name	Resp	RA	n/y	RRF	w/Aol	Pred RT	RT	Pred R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.455	0.00		0.000		NO	79.77		6.66	86.68
234	234 4th Function Octa-PCBs				1.0008	5.455	0.00		0.000		NO	52.69		5.02	76.50
235	235 5th Function Octa-PCBs				1.1499	5.455	0.00		0.000		NO	11.18		1.15	13.51
236	236 Total Nona-PCBs				0.9522	5.455	0.00		0.000		NO	4.60		0.075	15.63

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	165 PCB-208	53.94	53.96	8.396e3	6.364e3	1.340	1.32	NO	44.830	44.830
2	166 PCB-207	54.26	54.28	1.034e3	1.010e3	1.340	1.02	YES	5.5843	0.000000
3	167 PCB-206	56.25	56.25	1.410e4	1.093e4	1.340	1.29	NO	104.16	104.16



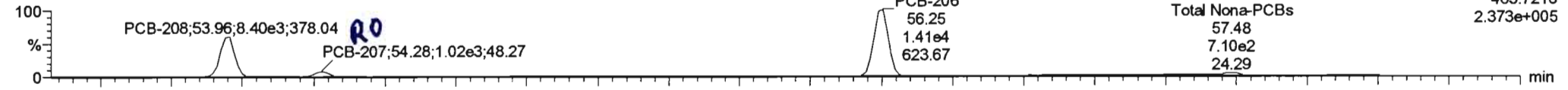
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

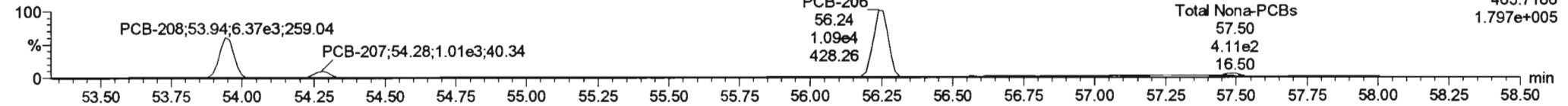
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**PCB-208**

200617K1\_8

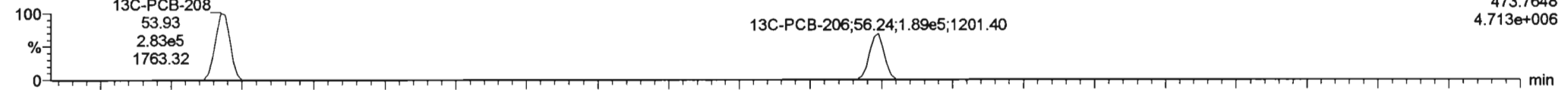


200617K1\_8

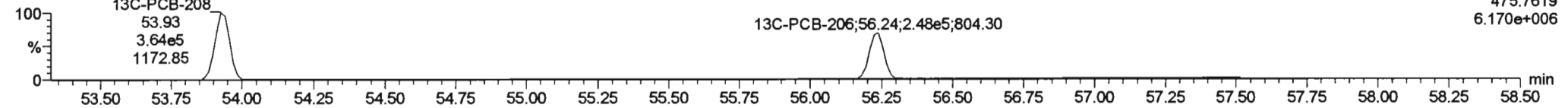


**13C-PCB-208**

200617K1\_8

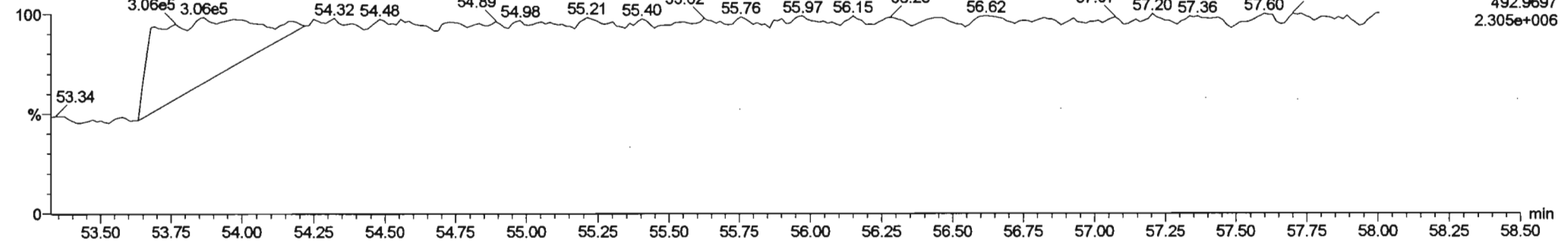


200617K1\_8



**PFK5**

200617K1\_8





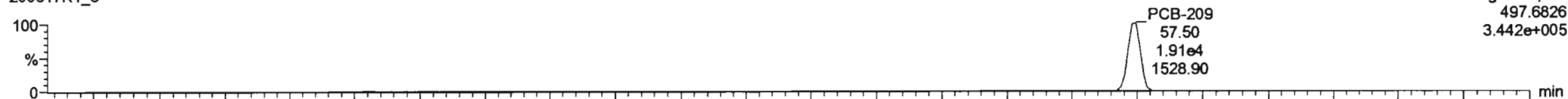
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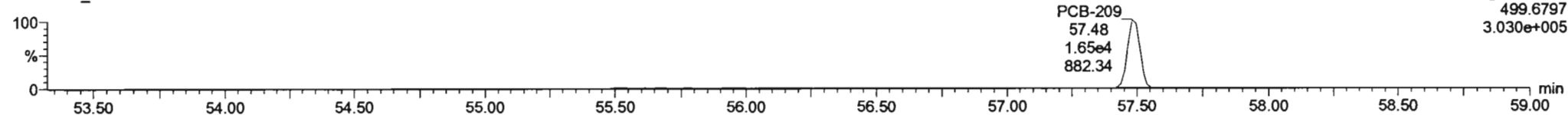
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**PCB-209**

200617K1\_8

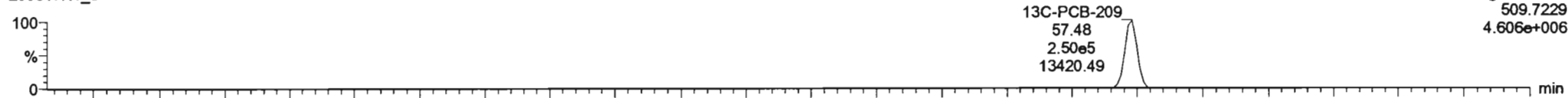


200617K1\_8

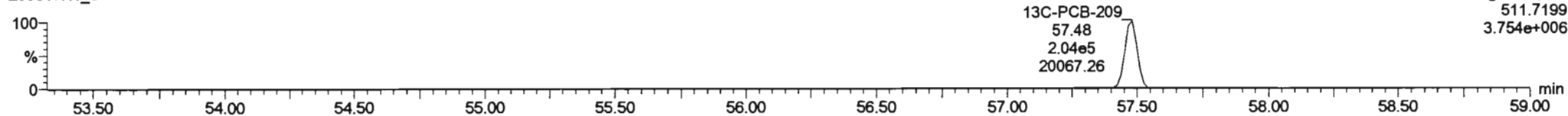


**13C-PCB-209**

200617K1\_8

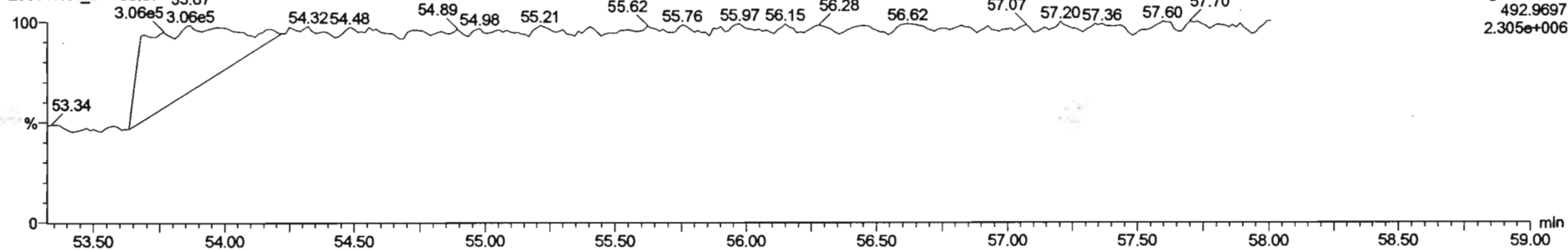


200617K1\_8



**PFK5b**

200617K1\_8



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-9b.qld

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Printed: Thursday, July 09, 2020 11:22:36 Pacific Daylight Time

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*C7 07/10/2020*

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: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	7.89e2	3.39	NO	1.17	5.822	15.53	15.54	1.001	1.001	NO	1.031		0.265	1.031
2	2 PCB-2	8.99e2	2.67	NO	1.18	5.822	17.94	17.94	0.988	0.988	NO	1.013		0.243	1.013
3	3 PCB-3	1.22e3	2.60	YES	1.15	5.822	18.17	18.18	1.001	1.001	NO	1.421		0.240	1.354
4	4 PCB-4/10			NO	1.25	5.822	19.59		1.004		YES			1.15	
5	5 PCB-7/9			NO	0.960	5.822	21.40		1.003		YES			0.882	
6	6 PCB-6			NO	1.02	5.822	22.05		1.033		YES			0.828	
7	7 PCB-5/8			NO	0.992	5.822	22.45		1.052		YES			0.854	
8	8 PCB-14			NO	1.02	5.822	23.62		0.952		YES			1.12	
9	9 PCB-11			NO	1.13	5.822	24.84		1.001		YES			1.01	
10	10 PCB-12/13			NO	1.03	5.822	25.28		1.018		YES			1.11	
11	11 PCB-15			NO	1.03	5.822	25.59		1.031		YES			1.10	
12	12 PCB-19			NO	1.11	5.822	23.79		1.001		YES			0.788	
13	13 PCB-30			NO	1.79	5.822	24.69		1.039		YES			0.486	
14	14 PCB-18			NO	0.818	5.822	25.45		0.952		YES			0.681	
15	15 PCB-17	1.25e3	1.55	YES	0.758	5.822	25.63	25.64	0.958	0.959	NO	2.386		0.754	1.906
16	16 PCB-24/27			NO	1.08	5.822	26.24		0.981		YES			0.515	
17	17 PCB-16/32	1.77e3	1.07	NO	0.925	5.822	26.76	26.77	1.001	1.001	NO	2.778		0.602	2.778
18	18 PCB-34			NO	0.945	5.822	27.56		0.959		YES			0.716	
19	19 PCB-23			NO	0.883	5.822	27.65		0.962		YES			0.766	
20	20 PCB-29			NO	0.893	5.822	27.91		0.971		YES			0.758	
21	21 PCB-26	7.65e2	2.24	YES	0.944	5.822	28.14	28.14	0.979	0.979	NO	1.021		0.711	0.6482
22	22 PCB-25			NO	0.950	5.822	28.29		0.984		YES			0.712	
23	23 PCB-31	2.87e3	0.98	NO	1.04	5.822	28.66	28.68	0.997	0.997	NO	3.518		0.653	3.518
24	24 PCB-28	3.74e3	1.15	NO	1.03	5.822	28.77	28.77	1.001	1.001	NO	4.637		0.660	4.637
25	25 PCB-20/21/33	2.40e3	1.01	NO	0.941	5.822	29.41	29.44	1.023	1.024	NO	3.243		0.719	3.243
26	26 PCB-22			NO	0.973	5.822	29.85		1.038		YES			0.696	
27	27 PCB-36			NO	1.08	5.822	30.59		0.931		YES			0.658	
28	28 PCB-39			NO	0.988	5.822	31.07		0.946		YES			0.716	
29	29 PCB-38			NO	1.05	5.822	31.87		0.970		YES			0.673	
30	30 PCB-35			NO	1.04	5.822	32.42		0.987		YES			0.678	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-9b.qld

Last Altered: Thursday, July 09, 2020 11:08:15 Pacific Daylight Time  
 Printed: Thursday, July 09, 2020 11:22:36 Pacific Daylight Time

Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	31 PCB-37	1.42e3	1.43	YES	1.01	5.822	32.87	32.86	1.001	1.001	NO	1.926		0.702	1.617
32	32 PCB-54			NO	1.08	5.822	27.62		1.001		YES			0.249	
33	33 PCB-50			NO	0.880	5.822	28.81		1.044		YES			0.306	
34	34 PCB-53	1.17e3	0.68	NO	0.997	5.822	29.50	29.50	0.944	0.944	NO	2.214		0.331	2.214
35	35 PCB-51	3.90e2	0.81	NO	1.07	5.822	29.84	29.85	0.955	0.955	NO	0.6879		0.309	0.6879
36	36 PCB-45	3.42e2	0.80	NO	0.858	5.822	30.29	30.30	0.969	0.970	NO	0.7486		0.384	0.7486
37	37 PCB-46			NO	0.831	5.822	30.78		0.985		YES			0.397	
38	38 PCB-52/69	6.76e3	0.75	NO	1.17	5.822	31.28	31.26	1.001	1.001	NO	10.91		0.282	10.91
39	39 PCB-73			NO	1.44	5.822	31.40		1.005		YES			0.228	
40	40 PCB-43/49	4.33e3	0.88	NO	1.02	5.822	31.57	31.60	1.010	1.011	NO	8.023		0.324	8.023
41	41 PCB-47	1.85e3	0.73	NO	0.922	5.822	31.80	31.82	1.001	1.001	NO	3.476		0.335	3.476
42	42 PCB-48/75	7.37e2	0.56	YES	1.12	5.822	31.92	31.95	1.004	1.005	NO	1.189		0.276	0.9448
43	43 PCB-65			NO	1.28	5.822	32.19		1.013		YES			0.241	
44	44 PCB-62			NO	1.13	5.822	32.29		1.016		YES			0.274	
45	45 PCB-44			NO	0.824	5.822	32.64		1.027		YES			0.375	
46	46 PCB-42/59	1.01e3	0.77	NO	1.05	5.822	32.87	32.92	1.034	1.036	NO	1.661		0.295	1.661
47	47 PCB-41/64/71/72	3.90e3	0.72	NO	1.19	5.822	33.47	33.48	1.053	1.053	NO	5.696		0.260	5.696
48	48 PCB-68			NO	1.28	5.822	33.72		1.061		YES			0.242	
49	49 PCB-40	2.71e2	1.08	YES	0.602	5.822	33.95	33.96	1.068	1.068	NO	0.7806		0.514	0.6654
50	50 PCB-57			NO	1.16	5.822	34.30		0.969		YES			0.223	
51	51 PCB-67			NO	1.08	5.822	34.62		0.978		YES			0.240	
52	52 PCB-58			NO	1.20	5.822	34.74		0.982		YES			0.216	
53	53 PCB-63			NO	1.07	5.822	34.90		0.986		YES			0.242	
54	54 PCB-74	2.58e3	0.70	NO	1.19	5.822	35.20	35.21	0.994	0.995	NO	3.336		0.219	3.336
55	55 PCB-61/70	6.64e3	0.78	NO	1.05	5.822	35.41	35.43	1.000	1.001	NO	9.650		0.246	9.650
56	56 PCB-76/66	5.42e3	0.78	NO	1.16	5.822	35.60	35.64	1.006	1.007	NO	7.135		0.223	7.135
57	57 PCB-80			NO	1.19	5.822	35.86		1.001		YES			0.212	
58	58 PCB-55			NO	1.17	5.822	36.18		1.010		YES			0.215	
59	59 PCB-56/60	2.82e3	0.88	NO	1.02	5.822	36.70	36.70	1.024	1.024	NO	4.075		0.247	4.075
60	60 PCB-79	2.78e2	0.99	YES	1.14	5.822	37.80	37.81	1.055	1.055	NO	0.3592		0.221	0.3190
61	61 PCB-78			NO	1.14	5.822	38.50		0.987		YES			0.237	
62	62 PCB-81			NO	1.05	5.822	39.04		1.000		YES			0.257	
63	63 PCB-77	4.16e2	0.86	NO	1.14	5.822	39.68	39.67	1.000	1.000	NO	0.5763		0.244	0.5763

Dataset: U:\WG11.PRO\Results\200617K1\200617K1-9b.qld

Last Altered: Thursday, July 09, 2020 11:08:15 Pacific Daylight Time

Printed: Thursday, July 09, 2020 11:22:36 Pacific Daylight Time

Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
64	64 PCB-104			NO	1.12	5.822	32.53		1.001		YES			0.333	
65	65 PCB-96			NO	1.15	5.822	33.85		1.041		YES			0.324	
66	66 PCB-103			NO	0.936	5.822	34.42		1.059		YES			0.399	
67	67 PCB-100			NO	0.954	5.822	34.77		1.069		YES			0.391	
68	68 PCB-94			NO	0.949	5.822	35.19		0.985		YES			0.474	
69	69 PCB-95/98/102	1.74e4	1.57	NO	1.20	5.822	35.67	35.73	0.999	1.001	NO	45.78		0.373	45.78
70	70 PCB-93			NO	0.935	5.822	35.79		1.002		YES			0.481	
71	71 PCB-88/91	1.15e3	1.74	NO	1.06	5.822	36.14	36.16	1.012	1.013	NO	3.436		0.422	3.436
72	72 PCB-121			NO	1.71	5.822	36.23		1.015		YES			0.263	
73	73 PCB-84/92	6.04e3	1.49	NO	1.02	5.822	37.08	37.07	0.990	0.990	NO	18.91		0.460	18.91
74	74 PCB-89	1.30e2	0.69	YES	1.11	5.822	37.25	37.26	0.995	0.995	NO	0.3768		0.423	0.2511
75	75 PCB-90/101	2.52e4	1.54	NO	1.12	5.822	37.46	37.48	1.000	1.001	NO	71.70		0.417	71.70
76	76 PCB-113			NO	1.51	5.822	37.70		1.007		YES			0.309	
77	77 PCB-99	5.65e3	1.58	NO	1.32	5.822	37.79	37.81	1.009	1.010	NO	13.64		0.354	13.64
78	78 PCB-119	8.92e2	1.74	NO	1.81	5.822	38.30	38.30	0.987	0.987	NO	1.792		0.297	1.792
79	79 PCB-108/112			NO	1.44	5.822	38.45		0.991		YES			0.371	
80	80 PCB-83			NO	1.83	5.822	38.61		0.995		YES			0.292	
81	81 PCB-97	2.25e3	1.75	NO	1.28	5.822	38.82	38.82	1.000	1.000	NO	6.374		0.418	6.374
82	82 PCB-86			NO	1.12	5.822	38.97		1.004		YES			0.479	
83	83 PCB-87/117/125	3.81e3	1.39	NO	1.56	5.822	39.12	39.12	1.008	1.008	NO	8.860		0.344	8.860
84	84 PCB-111/115			NO	1.91	5.822	39.27		1.012		YES			0.280	
85	85 PCB-85/116			NO	1.41	5.822	39.40		1.015		YES			0.380	
86	86 PCB-120			NO	2.01	5.822	39.66		1.022		YES			0.267	
87	87 PCB-110	1.91e4	1.57	NO	1.74	5.822	39.79	39.79	1.026	1.025	NO	39.83		0.307	39.83
88	88 PCB-82	5.53e2	1.58	NO	0.781	5.822	40.44	40.44	0.976	0.976	NO	1.896		0.502	1.896
89	89 PCB-124			NO	1.40	5.822	41.15		0.993		YES			0.281	
90	90 PCB-107/109	8.38e2	1.11	YES	1.34	5.822	41.29	41.31	0.996	0.997	NO	1.674		0.282	1.443
91	91 PCB-123			NO	1.20	5.822	41.46		1.000		YES			0.327	
92	92 PCB-106/118	8.11e3	1.76	NO	1.22	5.822	41.67	41.65	1.001	1.000	NO	17.07		0.305	17.07
93	93 PCB-114			NO	1.14	5.822	42.33		1.000		YES			0.286	
94	94 PCB-122			NO	0.944	5.822	42.47		1.004		YES			0.345	
95	95 PCB-105	2.58e3	1.43	NO	1.05	5.822	43.21	43.21	1.000	1.000	NO	4.659		0.306	4.659
96	96 PCB-127			NO	1.06	5.822	43.55		1.000		YES			0.292	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-9b.qld

Last Altered: Thursday, July 09, 2020 11:08:15 Pacific Daylight Time

Printed: Thursday, July 09, 2020 11:22:36 Pacific Daylight Time

Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
97	97 PCB-126			NO	1.17	5.822	45.52		1.000		YES			0.294	
98	98 PCB-155			NO	1.04	5.822	37.00		1.000		YES			0.238	
99	99 PCB-150			NO	1.08	5.822	38.32		1.036		YES			0.229	
100	1... PCB-152			NO	1.19	5.822	38.80		1.049		YES			0.209	
101	1... PCB-145			NO	1.19	5.822	39.27		1.062		YES			0.209	
102	1... PCB-136	3.69e3	1.35	NO	1.02	5.822	39.60	39.58	1.071	1.070	NO	17.83		0.243	17.83
103	1... PCB-148			NO	0.842	5.822	39.71		1.074		YES			0.295	
104	1... PCB-154	4.66e2	1.33	NO	0.919	5.822	40.22	40.18	1.088	1.087	NO	2.502		0.270	2.502
105	1... PCB-151	5.24e3	1.24	NO	0.787	5.822	40.88	40.87	1.105	1.105	NO	32.89		0.316	32.89
106	1... PCB-135	2.59e3	1.53	YES	0.922	5.822	41.09	41.09	1.111	1.111	NO	13.84		0.289	12.25
107	1... PCB-144	7.65e2	1.32	NO	0.789	5.822	41.20	41.20	1.114	1.114	NO	4.783		0.315	4.783
108	1... PCB-147			NO	0.834	5.822	41.33		1.118		YES			0.297	
109	1... PCB-139/149	1.45e4	1.25	NO	0.948	5.822	41.62	41.59	1.125	1.125	NO	75.59		0.262	75.59
110	1... PCB-140	1.88e2	1.77	YES	0.794	5.822	41.80	41.80	1.130	1.130	NO	1.172		0.313	0.9471
111	1... PCB-134/143	1.20e3	1.16	NO	0.759	5.822	42.28	42.27	0.975	0.975	NO	3.236		0.330	3.236
112	1... PCB-131/133	6.77e2	1.27	NO	0.821	5.822	42.58	42.57	0.982	0.982	NO	1.683		0.305	1.683
113	1... PCB-142			NO	0.754	5.822	42.72		0.985		YES			0.332	
114	1... PCB-146/165	5.93e3	1.07	NO	1.02	5.822	42.97	42.97	0.991	0.991	NO	11.90		0.246	11.90
115	1... PCB-132/161	9.40e3	1.13	NO	1.02	5.822	43.20	43.25	0.996	0.997	NO	18.73		0.244	18.73
116	1... PCB-153	3.51e4	1.23	NO	1.07	5.822	43.38	43.38	1.000	1.000	NO	66.87		0.234	66.87
117	1... PCB-168			NO	1.08	5.822	43.61		1.006		YES			0.232	
118	1... PCB-141	4.68e3	1.09	NO	1.03	5.822	44.14	44.14	1.000	1.000	NO	10.96		0.278	10.96
119	1... PCB-137	2.57e2	1.10	NO	1.11	5.822	44.54	44.54	1.010	1.009	NO	0.5560		0.257	0.5560
120	1... PCB-130	1.26e3	1.22	NO	0.885	5.822	44.64	44.63	1.012	1.012	NO	3.420		0.322	3.420
121	1... PCB-138/163/164	2.80e4	1.29	NO	1.28	5.822	45.03	45.03	1.001	1.001	NO	50.93		0.225	50.93
122	1... PCB-158/160	1.58e3	1.15	NO	1.24	5.822	45.28	45.26	1.006	1.006	NO	2.982		0.233	2.982
123	1... PCB-129	2.64e2	1.10	NO	0.867	5.822	45.54	45.54	1.012	1.012	NO	0.7101		0.333	0.7101
124	1... PCB-166			NO	1.14	5.822	46.01		0.993		YES			0.207	
125	1... PCB-159			NO	1.22	5.822	46.34		1.000		YES			0.195	
126	1... PCB-128/162	1.85e3	1.26	NO	0.907	5.822	46.63	46.62	1.007	1.007	NO	3.947		0.261	3.947
127	1... PCB-167	5.71e2	1.10	NO	1.11	5.822	47.04	47.04	1.000	1.000	NO	0.9942		0.213	0.9942
128	1... PCB-156	1.38e3	1.22	NO	1.13	5.822	48.37	48.37	1.000	1.000	NO	2.405		0.218	2.405
129	1... PCB-157			NO	1.04	5.822	48.67		1.001		YES			0.238	



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-9b.qld

Last Altered: Thursday, July 09, 2020 11:08:15 Pacific Daylight Time

Printed: Thursday, July 09, 2020 11:22:36 Pacific Daylight Time

Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
130	1... PCB-169			NO	1.16	5.822	50.93		1.000		YES			0.226	
131	1... PCB-188			NO	1.29	5.822	43.01		1.001		YES			0.198	
132	1... PCB-184			NO	1.23	5.822	43.44		1.011		YES			0.208	
133	1... PCB-179	4.86e3	1.01	NO	1.30	5.822	44.26	44.26	1.030	1.030	NO	10.34		0.197	10.34
134	1... PCB-176	1.27e3	1.07	NO	1.31	5.822	44.72	44.75	1.041	1.041	NO	2.672		0.196	2.672
135	1... PCB-186			NO	1.33	5.822	45.35		1.055		YES			0.193	
136	1... PCB-178	1.68e3	0.92	NO	0.943	5.822	45.87	45.88	1.067	1.068	NO	4.926		0.271	4.926
137	1... PCB-175	2.19e2	1.51	YES	0.956	5.822	46.22	46.23	1.076	1.076	NO	0.6311		0.268	0.5150
138	1... PCB-182/187	9.63e3	1.03	NO	1.07	5.822	46.40	46.40	1.080	1.080	NO	24.94		0.240	24.94
139	1... PCB-183	3.20e3	1.00	NO	1.02	5.822	46.74	46.74	1.088	1.088	NO	8.634		0.250	8.634
140	1... PCB-185	6.47e2	0.97	NO	1.41	5.822	47.42	47.42	0.955	0.955	NO	1.820		0.261	1.820
141	1... PCB-174	5.63e3	1.11	NO	1.35	5.822	47.81	47.80	0.962	0.962	NO	16.45		0.271	16.45
142	1... PCB-181			NO	1.47	5.822	47.90		0.964		YES			0.249	
143	1... PCB-177	3.45e3	1.13	NO	1.28	5.822	48.06	48.08	0.968	0.968	NO	10.69		0.287	10.69
144	1... PCB-171	1.34e3	0.99	NO	1.32	5.822	48.36	48.39	0.974	0.974	NO	4.038		0.279	4.038
145	1... PCB-173			NO	1.19	5.822	48.80		0.983		YES			0.308	
146	1... PCB-172	6.60e2	1.03	NO	1.38	5.822	49.28	49.28	0.992	0.992	NO	1.900		0.267	1.900
147	1... PCB-192			NO	1.83	5.822	49.47		0.996		YES			0.201	
148	1... PCB-180	1.05e4	1.04	NO	1.41	5.822	49.69	49.69	1.000	1.000	NO	29.53		0.260	29.53
149	1... PCB-193	8.89e2	0.94	NO	1.68	5.822	49.90	49.90	1.005	1.005	NO	2.098		0.219	2.098
150	1... PCB-191	1.58e2	1.10	NO	1.71	5.822	50.17	50.17	1.010	1.010	NO	0.3667		0.214	0.3667
151	1... PCB-170	3.16e3	1.14	NO	1.40	5.822	51.36	51.38	1.000	1.001	NO	10.36		0.301	10.36
152	1... PCB-190	9.33e2	0.99	NO	1.85	5.822	51.55	51.57	1.004	1.004	NO	2.314		0.228	2.314
153	1... PCB-189	2.04e2	0.98	NO	1.45	5.822	53.09	53.08	1.000	1.000	NO	0.4901		0.192	0.4901
154	1... PCB-202	7.55e2	0.76	NO	1.17	5.822	48.61	48.58	1.001	1.000	NO	2.694		0.220	2.694
155	1... PCB-201	2.83e2	0.77	NO	1.05	5.822	49.10	49.11	1.011	1.011	NO	1.119		0.245	1.119
156	1... PCB-204			NO	1.14	5.822	49.25		1.014		YES			0.226	
157	1... PCB-197			NO	1.13	5.822	49.57		1.020		YES			0.227	
158	1... PCB-200	2.54e2	1.35	YES	1.07	5.822	50.50	50.49	1.040	1.039	NO	0.9874		0.241	0.7927
159	1... PCB-198			NO	0.794	5.822	52.08		1.072		YES			0.324	
160	1... PCB-199	1.93e3	0.78	NO	0.809	5.822	52.16	52.17	1.074	1.074	NO	9.953		0.318	9.953
161	1... PCB-196/203	1.67e3	0.95	NO	0.838	5.822	52.50	52.50	1.081	1.081	NO	8.303		0.307	8.303
162	1... PCB-195	6.43e2	0.60	YES	1.04	5.822	53.78	53.78	0.984	0.983	NO	2.157		0.256	1.717



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-9b.qld

Last Altered: Thursday, July 09, 2020 11:08:15 Pacific Daylight Time  
Printed: Thursday, July 09, 2020 11:22:36 Pacific Daylight Time

Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
163	1... PCB-194	1.67e3	0.95	NO	1.12	5.822	54.70	54.70	1.000	1.000	NO	5.253		0.241	5.253
164	1... PCB-205			NO	1.29	5.822	54.97		1.005		YES			0.209	
165	1... PCB-208	9.85e2	1.34	NO	0.933	5.822	53.94	53.94	1.000	1.000	NO	2.592		0.138	2.592
166	1... PCB-207	2.23e2	1.30	NO	0.916	5.822	54.26	54.28	1.006	1.007	NO	0.5967		0.141	0.5967
167	1... PCB-206	1.62e3	1.42	NO	1.01	5.822	56.24	56.22	1.000	1.000	NO	5.980		0.192	5.980
168	1... PCB-209	1.74e3	1.06	NO	0.986	5.822	57.47	57.47	1.000	1.000	NO	6.646		0.206	6.646
169	1... 13C-PCB-1	1.13e6	3.12	NO	0.893	5.822	15.52	15.52	0.608	0.608	NO	1681	97.9	1.76	
170	1... 13C-PCB-3	1.29e6	3.17	NO	0.911	5.822	18.17	18.16	0.712	0.711	NO	1889	110	1.73	
171	1... 13C-PCB-4	7.30e5	1.53	NO	0.600	5.822	19.52	19.51	0.765	0.764	NO	1624	94.6	0.864	
172	1... 13C-PCB-9	1.25e6	1.58	NO	0.970	5.822	21.35	21.34	0.836	0.836	NO	1725	100	0.535	
173	1... 13C-PCB-11	1.20e6	1.54	NO	0.962	5.822	24.79	24.82	0.971	0.972	NO	1670	97.2	0.539	
174	1... 13C-PCB-19	7.65e5	1.07	NO	0.499	5.822	23.76	23.76	0.931	0.931	NO	2046	119	10.4	
175	1... 13C-PCB-32	1.18e6	1.05	NO	0.744	5.822	26.75	26.74	1.048	1.048	NO	2124	124	6.97	
176	1... 13C-PCB-28	1.35e6	0.99	NO	1.06	5.822	28.77	28.75	1.004	1.003	NO	1709	99.5	5.50	
177	1... 13C-PCB-37	1.25e6	1.02	NO	0.989	5.822	32.75	32.85	1.143	1.146	NO	1703	99.2	5.92	
178	1... 13C-PCB-54	1.05e6	0.78	NO	0.999	5.822	27.62	27.60	0.753	0.752	NO	1493	86.9	1.33	
179	1... 13C-PCB-52	9.13e5	0.79	NO	0.804	5.822	31.26	31.25	0.852	0.852	NO	1608	93.6	1.65	
180	1... 13C-PCB-47	9.91e5	0.76	NO	0.857	5.822	31.78	31.78	0.866	0.867	NO	1637	95.3	1.55	
181	1... 13C-PCB-70	1.12e6	0.80	NO	0.996	5.822	35.41	35.40	0.965	0.965	NO	1595	92.8	1.33	
182	1... 13C-PCB-80	1.17e6	0.78	NO	1.03	5.822	35.84	35.84	0.977	0.977	NO	1610	93.8	1.29	
183	1... 13C-PCB-81	1.14e6	0.78	NO	0.988	5.822	39.04	39.02	1.064	1.064	NO	1641	95.5	1.34	
184	1... 13C-PCB-77	1.09e6	0.79	NO	0.969	5.822	39.66	39.66	1.081	1.081	NO	1594	92.8	1.37	
185	1... 13C-PCB-104	7.10e5	1.62	NO	1.02	5.822	32.46	32.51	0.827	0.828	NO	1689	98.3	0.615	
186	1... 13C-PCB-95	5.41e5	1.66	NO	0.805	5.822	35.71	35.71	0.910	0.910	NO	1623	94.5	0.776	
187	1... 13C-PCB-101	5.39e5	1.65	NO	0.793	5.822	37.46	37.44	0.954	0.954	NO	1643	95.7	0.788	
188	1... 13C-PCB-97	4.74e5	1.69	NO	0.696	5.822	38.80	38.80	0.989	0.989	NO	1644	95.7	0.897	
189	1... 13C-PCB-123	6.41e5	1.60	NO	0.933	5.822	41.44	41.44	1.056	1.056	NO	1661	96.7	0.670	
190	1... 13C-PCB-118	6.69e5	1.60	NO	0.986	5.822	41.63	41.63	1.061	1.061	NO	1641	95.6	0.634	
191	1... 13C-PCB-114	9.02e5	1.56	NO	1.55	5.822	42.30	42.31	0.908	0.908	NO	1551	90.3	0.863	
192	1... 13C-PCB-105	9.05e5	1.53	NO	1.57	5.822	43.19	43.19	0.927	0.927	NO	1530	89.1	0.849	
193	1... 13C-PCB-127	9.64e5	1.51	NO	1.62	5.822	43.55	43.54	0.934	0.934	NO	1577	91.8	0.821	
194	1... 13C-PCB-126	8.79e5	1.56	NO	1.57	5.822	45.51	45.51	0.976	0.976	NO	1491	86.8	0.851	
195	1... 13C-PCB-155	3.48e5	1.35	NO	0.615	5.822	36.98	36.98	0.942	0.942	NO	1369	79.7	0.442	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-9b.qld

Last Altered: Thursday, July 09, 2020 11:08:15 Pacific Daylight Time

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Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
196	1... 13C-PCB-153	8.42e5	1.25	NO	1.36	5.822	43.36	43.37	0.930	0.930	NO	1642	95.6	1.10	
197	1... 13C-PCB-141	7.15e5	1.25	NO	1.13	5.822	44.13	44.12	0.947	0.947	NO	1686	98.2	1.33	
198	1... 13C-PCB-138	7.36e5	1.28	NO	1.18	5.822	44.99	44.99	0.965	0.965	NO	1652	96.2	1.27	
199	1... 13C-PCB-159	8.86e5	1.28	NO	1.44	5.822	46.32	46.32	0.994	0.994	NO	1638	95.4	1.04	
200	2... 13C-PCB-167	8.90e5	1.28	NO	1.44	5.822	47.02	47.02	1.009	1.009	NO	1643	95.7	1.04	
201	2... 13C-PCB-156	8.74e5	1.26	NO	1.40	5.822	48.34	48.35	1.037	1.037	NO	1664	96.9	1.08	
202	2... 13C-PCB-157	8.62e5	1.28	NO	1.40	5.822	48.63	48.63	1.043	1.043	NO	1641	95.6	1.08	
203	2... 13C-PCB-169	8.34e5	1.26	NO	1.33	5.822	50.91	50.91	1.092	1.092	NO	1666	97.0	1.13	
204	2... 13C-PCB-188	6.22e5	0.46	NO	1.41	5.822	42.98	42.97	0.926	0.926	NO	1607	93.6	0.810	
205	2... 13C-PCB-180	4.34e5	0.46	NO	0.929	5.822	49.67	49.67	1.070	1.070	NO	1701	99.0	1.23	
206	2... 13C-PCB-170	3.74e5	0.46	NO	0.794	5.822	51.35	51.34	1.106	1.106	NO	1716	99.9	1.44	
207	2... 13C-PCB-189	4.91e5	0.44	NO	1.04	5.822	53.09	53.06	1.144	1.143	NO	1712	99.7	1.09	
208	2... 13C-PCB-202	4.12e5	0.95	NO	1.04	5.822	48.57	48.58	1.046	1.047	NO	1449	84.4	0.785	
209	2... 13C-PCB-194	4.90e5	0.90	NO	0.768	5.822	54.71	54.69	0.995	0.995	NO	1606	93.5	1.70	
210	2... 13C-PCB-208	7.00e5	0.78	NO	0.991	5.822	53.93	53.93	0.981	0.981	NO	1778	104	1.20	
211	2... 13C-PCB-206	4.63e5	0.78	NO	0.552	5.822	56.22	56.22	1.023	1.023	NO	2110	123	2.16	
212	2... 13C-PCB-209	4.55e5	1.21	NO	0.396	5.822	57.48	57.47	1.046	1.046	NO	2891	168	0.692	
213	2... 13C-PCB-15	1.29e6	1.55	NO	1.00	5.822	25.51	25.53	1.000	0.000	NO	1718	100	0.518	
214	2... 13C-PCB-31	1.28e6	1.01	NO	1.00	5.822	28.64	28.66	1.000	0.000	NO	1718	100	5.85	
215	2... 13C-PCB-60	1.21e6	0.79	NO	1.00	5.822	36.66	36.68	1.000	0.000	NO	1718	100	1.33	
216	2... 13C-PCB-111	7.11e5	1.60	NO	1.00	5.822	39.23	39.25	1.000	0.000	NO	1718	100	0.625	
217	2... 13C-PCB-128	6.46e5	1.28	NO	1.00	5.822	46.59	46.60	1.000	0.000	NO	1718	100	1.50	
218	2... 13C-PCB-182	4.72e5	0.45	NO	1.00	5.822	46.40	46.42	0.000	0.000	NO	1718	100	1.14	
219	2... 13C-PCB-205	6.82e5	0.88	NO	1.00	5.822	54.97	54.97	1.000	0.000	NO	1718	100	1.31	
220	2... 13C-PCB-79	1.29e6	0.79	NO	1.07	5.822	37.78	37.78	1.030	1.030	NO	1704	99.2	1.24	
221	2... 13C-PCB-178	4.54e5	0.44	NO	0.766	5.822	45.86	45.87	0.988	0.988	NO	1577	91.8	1.13	
222	2... 13C-PCB-79	1.29e6	0.79	NO	1.08	5.822	37.76	37.78	0.968	0.968	NO	1783	104	1.37	
223	2... 13C-PCB-178	4.54e5	0.44	NO	1.05	5.822	45.85	45.87	0.923	0.923	NO	1711	99.6	1.20	
224	2... Total Mono-PCBs				1.17	5.822	0.00		0.000		NO	2.044		0.758	3.399
225	2... Total Di-PCBs				1.05	5.822	0.00		0.000		NO			<del>6.06</del> 1.15	
226	2... 2nd Function Tri-PCBs				1.08	5.822	0.00		0.000		NO	2.778	>14.778 -	3.80	4.684
227	2... 3rd Function Tri-PCBs				0.983	5.822	0.00		0.000		NO	11.40		9.82	13.66 >18.344 -
228	2... Total Tetra-PCBs				1.08	5.822	0.00		0.000		NO	58.18		8.87	60.11

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-9b.qld

Last Altered: Thursday, July 09, 2020 11:08:15 Pacific Daylight Time

Printed: Thursday, July 09, 2020 11:22:36 Pacific Daylight Time

Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
229	2... 3rd Function Penta-PCBs				1.32	5.822	0.00		0.000		NO	229.3	> 233.959 -	10.6	231.0 > 235.659
230	2... 4th Function Penta-PCBs				1.07	5.822	0.00		0.000		NO	4.659		1.52	4.659
231	2... 3rd Function Hexa-PCBs				0.951	5.822	0.00		0.000		NO	133.6	> 312.9 -	3.46	146.8 > 326.1 -
232	2... 4th Function Hexa-PCBs				1.03	5.822	0.00		0.000		NO	179.3		5.13	179.3
233	2... Total Hepta-PCBs				1.36	5.822	0.00		0.000		NO	131.6		5.55	132.1
234	2... 4th Function Octa-PCBs				1.00	5.822	0.00		0.000		NO	22.07	> 27.323 -	2.11	22.86 > 29.83 -
235	2... 5th Function Octa-PCBs				1.15	5.822	0.00		0.000		NO	5.253		0.708	6.970
236	2... Total Nona-PCBs				0.952	5.822	0.00		0.000		NO	9.169		0.471	9.169
237	2... Deca-CB				0.986	5.822	0.00		0.000		NO	6.646		0.206	6.646
238	2... Total PCBs														

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Dataset: U:\VG11.PRO\Results\200617K1\200617K1-9b.qld

Last Altered: Thursday, July 09, 2020 11:08:15 Pacific Daylight Time

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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

ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

**Total Mono-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-1	15.53	15.54	9.724e3	3.604e3	6.096e2	1.796e2	3.39	NO	7.892e2	1.0312	1.0312	0.265
2	PCB-2	17.94	17.94	9.198e3	3.709e3	6.539e2	2.453e2	2.67	NO	8.992e2	1.0131	1.0131	0.243
3	PCB-3	18.17	18.18	1.462e4	4.372e3	8.846e2	3.398e2	2.60	YES	1.224e3	0.00000	1.3545	0.250

**Total Di-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

**2nd Function Tri-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-17	25.63	25.64	1.061e4	7.955e3	7.588e2	4.884e2	1.55	YES	1.247e3	0.00000	1.9062	0.734
2	PCB-16/32	26.76	26.77	9.036e3	7.505e3	9.154e2	8.564e2	1.07	NO	1.772e3	2.7781	2.7781	0.602

**3rd Function Tri-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-26	28.14	28.14	8.375e3	3.559e3	5.290e2	2.358e2	2.24	YES	7.648e2	0.00000	0.64820	0.717
2	PCB-31	28.66	28.68	1.674e4	1.923e4	1.421e3	1.445e3	0.98	NO	2.866e3	3.5177	3.5177	0.653
3	PCB-28	28.77	28.77	2.311e4	2.172e4	2.002e3	1.735e3	1.15	NO	3.737e3	4.6373	4.6373	0.660
4	PCB-20/21/33	29.41	29.44	1.655e4	1.556e4	1.206e3	1.194e3	1.01	NO	2.400e3	3.2427	3.2427	0.719
5	PCB-37	32.87	32.86	1.021e4	7.824e3	8.330e2	5.823e2	1.43	YES	1.415e3	0.00000	1.6168	0.702

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Dataset: U:\WG11.PRO\Results\200617K1\200617K1-9b.qld

Last Altered: Thursday, July 09, 2020 11:08:15 Pacific Daylight Time

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ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

Total Tetra-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-53	29.50	29.50	5.000e3	7.557e3	4.753e2	6.978e2	0.68	NO	1.173e3	2.2137	2.2137	0.331
2	PCB-51	29.84	29.85	2.214e3	2.181e3	1.744e2	2.152e2	0.81	NO	3.896e2	0.68794	0.68794	0.309
3	PCB-45	30.29	30.30	1.734e3	2.472e3	1.523e2	1.894e2	0.80	NO	3.417e2	0.74864	0.74864	0.384
4	PCB-52/69	31.28	31.26	3.396e4	5.003e4	2.904e3	3.860e3	0.75	NO	6.764e3	10.905	10.905	0.282
5	PCB-43/49	31.57	31.60	2.573e4	2.885e4	2.033e3	2.301e3	0.88	NO	4.334e3	8.0228	8.0228	0.324
6	PCB-47	31.80	31.82	8.085e3	1.179e4	7.780e2	1.071e3	0.73	NO	1.849e3	3.4763	3.4763	0.335
7	PCB-48/75	31.92	31.95	3.815e3	6.684e3	2.657e2	4.708e2	0.56	YES	7.365e2	0.00000	0.94479	0.276
8	PCB-42/59	32.87	32.92	6.052e3	7.218e3	4.375e2	5.685e2	0.77	NO	1.006e3	1.6609	1.6609	0.295
9	PCB-41/64/71/72	33.47	33.48	2.064e4	2.706e4	1.633e3	2.269e3	0.72	NO	3.903e3	5.6959	5.6959	0.260
10	PCB-40	33.95	33.96	2.352e3	2.373e3	1.406e2	1.306e2	1.08	YES	2.712e2	0.00000	0.66537	0.514
11	PCB-74	35.20	35.21	1.506e4	2.217e4	1.059e3	1.521e3	0.70	NO	2.580e3	3.3357	3.3357	0.219
12	PCB-61/70	35.41	35.43	3.624e4	4.711e4	2.914e3	3.726e3	0.78	NO	6.640e3	9.6495	9.6495	0.246
13	PCB-76/66	35.60	35.64	2.906e4	3.678e4	2.384e3	3.039e3	0.78	NO	5.423e3	7.1352	7.1352	0.223
14	PCB-56/60	36.70	36.70	1.714e4	1.841e4	1.320e3	1.503e3	0.88	NO	2.823e3	4.0752	4.0752	0.247
15	PCB-79	37.80	37.81	1.781e3	1.979e3	1.387e2	1.397e2	0.99	YES	2.783e2	0.00000	0.31904	0.221
16	PCB-77	39.68	39.67	2.727e3	2.987e3	1.918e2	2.241e2	0.86	NO	4.160e2	0.57634	0.57634	0.244

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Dataset: U:\VG11.PRO\Results\200617K1\200617K1-9b.qld

Last Altered: Thursday, July 09, 2020 11:08:15 Pacific Daylight Time

Printed: Thursday, July 09, 2020 11:21:57 Pacific Daylight Time

ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

3rd Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-95/98/102	35.67	35.73	1.312e5	8.746e4	1.062e4	6.743e3	1.57	NO	1.736e4	45.779	45.779	0.373
2	PCB-88/91	36.14	36.16	1.011e4	4.616e3	7.319e2	4.200e2	1.74	NO	1.152e3	3.4360	3.4360	0.422
3	PCB-84/92	37.08	37.07	4.477e4	2.957e4	3.615e3	2.422e3	1.49	NO	6.037e3	18.914	18.914	0.460
4	PCB-89	37.25	37.26	8.500e2	1.375e3	5.303e1	7.721e1	0.69	YES	1.302e2	0.00000	0.25110	0.423
5	PCB-90/101	37.46	37.48	1.910e5	1.289e5	1.529e4	9.953e3	1.54	NO	2.524e4	71.696	71.696	0.417
6	PCB-99	37.79	37.81	4.149e4	2.734e4	3.463e3	2.189e3	1.58	NO	5.652e3	13.642	13.642	0.354
7	PCB-119	38.30	38.30	7.847e3	3.851e3	5.670e2	3.252e2	1.74	NO	8.923e2	1.7925	1.7925	0.297
8	PCB-97	38.82	38.82	2.068e4	9.114e3	1.434e3	8.195e2	1.75	NO	2.253e3	6.3737	6.3737	0.418
9	PCB-87/117/125	39.12	39.12	2.956e4	1.924e4	2.214e3	1.595e3	1.39	NO	3.808e3	8.8601	8.8601	0.344
10	PCB-110	39.79	39.79	1.523e5	9.749e4	1.168e4	7.454e3	1.57	NO	1.914e4	39.829	39.829	0.307
11	PCB-82	40.44	40.44	5.073e3	3.164e3	3.385e2	2.145e2	1.58	NO	5.529e2	1.8959	1.8959	0.502
12	PCB-107/109	41.29	41.31	4.999e3	4.412e3	4.404e2	3.979e2	1.11	YES	8.383e2	0.00000	1.4429	0.292
13	PCB-106/118	41.67	41.65	6.283e4	3.899e4	5.167e3	2.940e3	1.76	NO	8.107e3	17.065	17.065	0.305

4th Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-105	43.21	43.21	1.765e4	1.430e4	1.517e3	1.062e3	1.43	NO	2.579e3	4.6591	4.6591	0.306

3rd Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-136	39.60	39.58	2.562e4	2.142e4	2.121e3	1.568e3	1.35	NO	3.689e3	17.826	17.826	0.243
2	PCB-154	40.22	40.18	3.477e3	1.924e3	2.665e2	1.996e2	1.33	NO	4.661e2	2.5024	2.5024	0.270
3	PCB-151	40.88	40.87	3.788e4	3.160e4	2.906e3	2.337e3	1.24	NO	5.243e3	32.891	32.891	0.316
4	PCB-135	41.09	41.09	2.108e4	1.355e4	1.564e3	1.022e3	1.53	YES	2.586e3	0.00000	12.248	0.269
5	PCB-144	41.20	41.20	5.866e3	4.449e3	4.355e2	3.293e2	1.32	NO	7.648e2	4.7826	4.7826	0.315
6	PCB-139/149	41.62	41.59	9.781e4	8.669e4	8.056e3	6.465e3	1.25	NO	1.452e4	75.589	75.589	0.262
7	PCB-140	41.80	41.80	2.091e3	1.234e3	1.205e2	6.801e1	1.77	YES	1.885e2	0.00000	0.94707	0.313



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Last Altered: Thursday, July 09, 2020 11:08:15 Pacific Daylight Time

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ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

4th Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-134/143	42.28	42.27	7.735e3	6.385e3	6.458e2	5.586e2	1.16	NO	1.204e3	3.2359	3.2359	0.330
2	PCB-131/133	42.58	42.57	4.681e3	3.888e3	3.792e2	2.982e2	1.27	NO	6.774e2	1.6829	1.6829	0.305
3	PCB-146/165	42.97	42.97	3.641e4	3.917e4	3.067e3	2.868e3	1.07	NO	5.934e3	11.903	11.903	0.246
4	PCB-132/161	43.20	43.25	6.135e4	5.350e4	4.988e3	4.417e3	1.13	NO	9.405e3	18.726	18.726	0.244
5	PCB-153	43.38	43.38	2.469e5	2.062e5	1.933e4	1.578e4	1.23	NO	3.511e4	66.868	66.868	0.234
6	PCB-141	44.14	44.14	3.026e4	2.713e4	2.440e3	2.243e3	1.09	NO	4.684e3	10.960	10.960	0.278
7	PCB-137	44.54	44.54	2.345e3	1.846e3	1.347e2	1.224e2	1.10	NO	2.570e2	0.55604	0.55604	0.257
8	PCB-130	44.64	44.63	8.738e3	6.902e3	6.916e2	5.685e2	1.22	NO	1.260e3	3.4195	3.4195	0.322
9	PCB-138/163/164	45.03	45.03	1.749e5	1.244e5	1.579e4	1.220e4	1.29	NO	2.800e4	50.935	50.935	0.225
10	PCB-158/160	45.28	45.26	9.983e3	9.210e3	8.467e2	7.369e2	1.15	NO	1.584e3	2.9821	2.9821	0.233
11	PCB-129	45.54	45.54	1.456e3	1.771e3	1.382e2	1.254e2	1.10	NO	2.636e2	0.71007	0.71007	0.333
12	PCB-128/162	46.63	46.62	1.178e4	1.013e4	1.031e3	8.177e2	1.26	NO	1.848e3	3.9466	3.9466	0.261
13	PCB-167	47.04	47.04	3.460e3	3.439e3	2.989e2	2.719e2	1.10	NO	5.708e2	0.99423	0.99423	0.213
14	PCB-156	48.37	48.37	9.005e3	6.928e3	7.566e2	6.213e2	1.22	NO	1.378e3	2.4048	2.4048	0.218

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## Total Hepta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-179	44.26	44.26	3.011e4	2.959e4	2.440e3	2.419e3	1.01	NO	4.859e3	10.337	10.337	0.197
2	PCB-176	44.72	44.75	7.891e3	7.096e3	6.535e2	6.127e2	1.07	NO	1.266e3	2.6717	2.6717	0.196
3	PCB-178	45.87	45.88	1.077e4	1.153e4	8.050e2	8.779e2	0.92	NO	1.683e3	4.9263	4.9263	0.271
4	PCB-175	46.22	46.23	1.539e3	1.205e3	1.316e2	8.700e1	1.51	YES	2.186e2	0.00000	0.51500	0.268
5	PCB-182/187	46.40	46.40	6.181e4	6.015e4	4.877e3	4.755e3	1.03	NO	9.631e3	24.943	24.943	0.240
6	PCB-183	46.74	46.74	1.937e4	2.026e4	1.598e3	1.600e3	1.00	NO	3.198e3	8.6335	8.6335	0.250
7	PCB-185	47.42	47.42	4.073e3	3.931e3	3.183e2	3.282e2	0.97	NO	6.465e2	1.8203	1.8203	0.261
8	PCB-174	47.81	47.80	3.956e4	3.580e4	2.955e3	2.674e3	1.11	NO	5.628e3	16.455	16.455	0.271
9	PCB-177	48.06	48.08	2.292e4	1.960e4	1.828e3	1.624e3	1.13	NO	3.452e3	10.693	10.693	0.287
10	PCB-171	48.36	48.39	8.204e3	7.651e3	6.696e2	6.732e2	0.99	NO	1.343e3	4.0376	4.0376	0.279
11	PCB-172	49.28	49.28	4.412e3	4.369e3	3.353e2	3.248e2	1.03	NO	6.601e2	1.8996	1.8996	0.267
12	PCB-180	49.69	49.69	6.749e4	6.595e4	5.376e3	5.158e3	1.04	NO	1.053e4	29.532	29.532	0.260
13	PCB-193	49.90	49.90	4.273e3	5.463e3	4.300e2	4.588e2	0.94	NO	8.888e2	2.0977	2.0977	0.219
14	PCB-191	50.17	50.17	1.223e3	1.265e3	8.304e1	7.543e1	1.10	NO	1.585e2	0.36673	0.36673	0.214
15	PCB-170	51.36	51.38	1.963e4	1.730e4	1.687e3	1.475e3	1.14	NO	3.163e3	10.361	10.361	0.301
16	PCB-190	51.55	51.57	7.205e3	5.882e3	4.645e2	4.688e2	0.99	NO	9.333e2	2.3136	2.3136	0.228
17	PCB-189	53.09	53.08	1.097e3	1.271e3	1.007e2	1.029e2	0.98	NO	2.035e2	0.49009	0.49009	0.192

## 4th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-202	48.61	48.58	3.685e3	5.216e3	3.264e2	4.290e2	0.76	NO	7.554e2	2.6939	2.6939	0.220
2	PCB-201	49.10	49.11	1.441e3	2.005e3	1.228e2	1.599e2	0.77	NO	2.827e2	1.1189	1.1189	0.245
3	PCB-200	50.50	50.49	2.130e3	1.605e3	1.459e2	1.078e2	1.35	YES	2.537e2	0.00000	0.79271	0.241
4	PCB-199	52.16	52.17	1.159e4	1.610e4	8.462e2	1.087e3	0.78	NO	1.933e3	9.9526	9.9526	0.318
5	PCB-196/203	52.50	52.50	1.293e4	1.141e4	8.134e2	8.569e2	0.95	NO	1.670e3	8.3025	8.3025	0.307

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5th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-195	53.78	53.78	3.810e3	7.606e3	2.408e2	4.017e2	0.60	YES	6.426e2	0.00000	1.7171	0.258
2	PCB-194	54.70	54.70	1.607e4	1.487e4	8.130e2	8.586e2	0.95	NO	1.672e3	5.2529	5.2529	0.241

Total Nona-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-208	53.94	53.94	9.952e3	7.459e3	5.646e2	4.208e2	1.34	NO	9.854e2	2.5920	2.5920	0.138
2	PCB-207	54.26	54.28	2.415e3	1.980e3	1.261e2	9.667e1	1.30	NO	2.228e2	0.59673	0.59673	0.141
3	PCB-206	56.24	56.22	1.690e4	1.180e4	9.532e2	6.703e2	1.42	NO	1.624e3	5.9799	5.9799	0.192

Deca-CB

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-209	57.47	57.47	1.655e4	1.600e4	8.928e2	8.447e2	1.06	NO	1.738e3	6.6456	6.6456	0.206

Total PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

Total Mono-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.52	15.52	1.448e7	4.646e6	8.520e5	2.732e5	3.12	NO	1.125e6	1681.3		1.76
2	13C-PCB-3	18.17	18.16	1.572e7	4.997e6	9.801e5	3.088e5	3.17	NO	1.289e6	1889.0		1.73

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ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

**Total Di-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.52	19.51	7.322e6	4.821e6	4.420e5	2.880e5	1.53	NO	7.299e5	1624.2		0.864
2	13C-PCB-9	21.35	21.34	1.257e7	7.906e6	7.668e5	4.858e5	1.58	NO	1.253e6	1724.9		0.535
3	13C-PCB-11	24.79	24.82	9.252e6	5.982e6	7.296e5	4.729e5	1.54	NO	1.203e6	1669.8		0.539
4	13C-PCB-15	25.51	25.53	1.294e7	8.311e6	7.821e5	5.044e5	1.55	NO	1.287e6	1717.6		0.518

**2nd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.76	23.76	6.037e6	5.660e6	3.943e5	3.703e5	1.07	NO	7.646e5	2046.1		10.4
2	13C-PCB-32	26.75	26.74	9.385e6	8.834e6	6.063e5	5.775e5	1.05	NO	1.184e6	2123.8		6.97

**3rd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.64	28.66	8.887e6	8.773e6	6.396e5	6.356e5	1.01	NO	1.275e6	1717.6		5.85
2	13C-PCB-28	28.77	28.75	8.496e6	8.661e6	6.721e5	6.782e5	0.99	NO	1.350e6	1709.1		5.50
3	13C-PCB-37	32.75	32.85	8.244e6	8.141e6	6.320e5	6.186e5	1.02	NO	1.251e6	1703.2		5.92

**Tetra-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.62	27.60	6.222e6	8.006e6	4.611e5	5.923e5	0.78	NO	1.053e6	1492.9		1.33
2	13C-PCB-52	31.26	31.25	5.121e6	6.522e6	4.032e5	5.100e5	0.79	NO	9.132e5	1608.3		1.65
3	13C-PCB-47	31.78	31.78	5.336e6	7.095e6	4.279e5	5.632e5	0.76	NO	9.911e5	1637.3		1.55
4	13C-PCB-70	35.41	35.40	6.528e6	8.083e6	4.977e5	6.235e5	0.80	NO	1.121e6	1594.6		1.33
5	13C-PCB-80	35.84	35.84	6.662e6	8.473e6	5.134e5	6.557e5	0.78	NO	1.169e6	1610.3		1.29
6	13C-PCB-60	36.66	36.68	6.997e6	8.920e6	5.336e5	6.791e5	0.79	NO	1.213e6	1717.6		1.33
7	13C-PCB-79	37.78	37.78	7.261e6	9.233e6	5.663e5	7.194e5	0.79	NO	1.286e6	1703.5		1.24
8	13C-PCB-81	39.04	39.02	6.207e6	7.987e6	5.002e5	6.445e5	0.78	NO	1.145e6	1641.1		1.34
9	13C-PCB-77	39.66	39.66	6.065e6	7.592e6	4.809e5	6.094e5	0.79	NO	1.090e6	1594.0		1.37

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3rd Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.46	32.51	5.319e6	3.274e6	4.390e5	2.712e5	1.62	NO	7.101e5	1688.8		0.615
2	13C-PCB-95	35.71	35.71	4.459e6	2.668e6	3.376e5	2.032e5	1.66	NO	5.408e5	1623.5		0.776
3	13C-PCB-101	37.46	37.44	4.278e6	2.613e6	3.356e5	2.030e5	1.65	NO	5.387e5	1642.9		0.788
4	13C-PCB-97	38.80	38.80	3.767e6	2.227e6	2.975e5	1.762e5	1.69	NO	4.736e5	1644.0		0.897
5	13C-PCB-111	39.23	39.25	5.623e6	3.535e6	4.373e5	2.733e5	1.60	NO	7.106e5	1717.6		0.625
6	13C-PCB-123	41.44	41.44	5.045e6	3.176e6	3.948e5	2.464e5	1.60	NO	6.412e5	1661.5		0.670
7	13C-PCB-118	41.63	41.63	5.320e6	3.332e6	4.121e5	2.570e5	1.60	NO	6.692e5	1641.3		0.634

4th Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.30	42.31	6.990e6	4.559e6	5.490e5	3.526e5	1.56	NO	9.016e5	1550.5		0.863
2	13C-PCB-105	43.19	43.19	7.031e6	4.526e6	5.472e5	3.575e5	1.53	NO	9.047e5	1530.5		0.849
3	13C-PCB-127	43.55	43.54	7.277e6	4.783e6	5.801e5	3.835e5	1.51	NO	9.636e5	1577.5		0.821
4	13C-PCB-126	45.51	45.51	6.621e6	4.201e6	5.359e5	3.427e5	1.56	NO	8.787e5	1490.6		0.851

4th Function Hexa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.36	43.37	5.910e6	4.788e6	4.676e5	3.747e5	1.25	NO	8.423e5	1641.7		1.10
2	13C-PCB-141	44.13	44.12	5.180e6	4.190e6	3.966e5	3.183e5	1.25	NO	7.150e5	1686.2		1.33
3	13C-PCB-138	44.99	44.99	5.185e6	4.115e6	4.130e5	3.226e5	1.28	NO	7.356e5	1651.6		1.27
4	13C-PCB-159	46.32	46.32	6.302e6	4.876e6	4.975e5	3.890e5	1.28	NO	8.865e5	1638.2		1.04
5	13C-PCB-128	46.59	46.60	4.468e6	3.433e6	3.626e5	2.832e5	1.28	NO	6.457e5	1717.6		1.50
6	13C-PCB-167	47.02	47.02	6.323e6	4.894e6	4.994e5	3.902e5	1.28	NO	8.896e5	1643.1		1.04
7	13C-PCB-156	48.34	48.35	6.052e6	4.807e6	4.871e5	3.870e5	1.26	NO	8.741e5	1664.5		1.08
8	13C-PCB-157	48.63	48.63	6.059e6	4.718e6	4.841e5	3.780e5	1.28	NO	8.621e5	1641.4		1.08
9	13C-PCB-169	50.91	50.91	5.671e6	4.441e6	4.650e5	3.686e5	1.26	NO	8.335e5	1665.6		1.13

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5th Function Octa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.71	54.69	4.218e6	4.629e6	2.315e5	2.583e5	0.90	NO	4.898e5	1605.6		1.70
2	13C-PCB-205	54.97	54.97	5.780e6	6.564e6	3.187e5	3.636e5	0.88	NO	6.823e5	1717.6		1.31

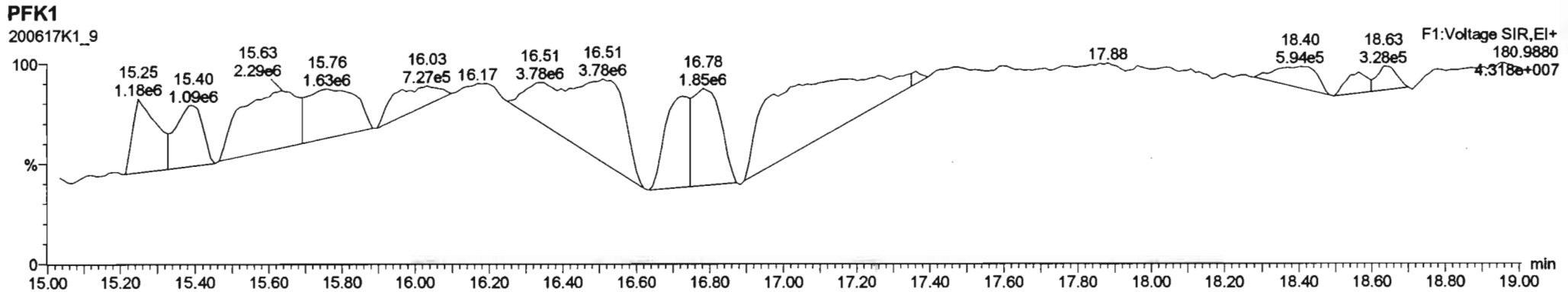
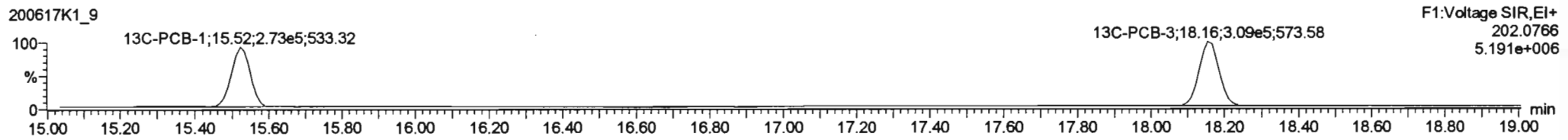
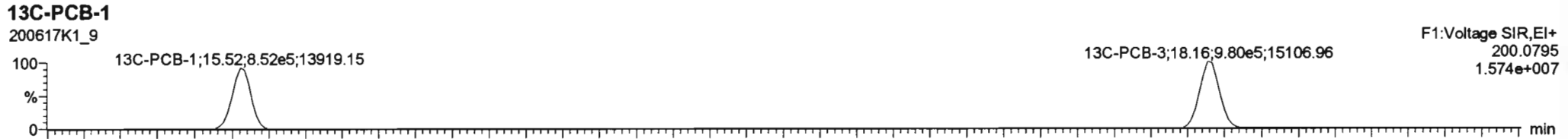
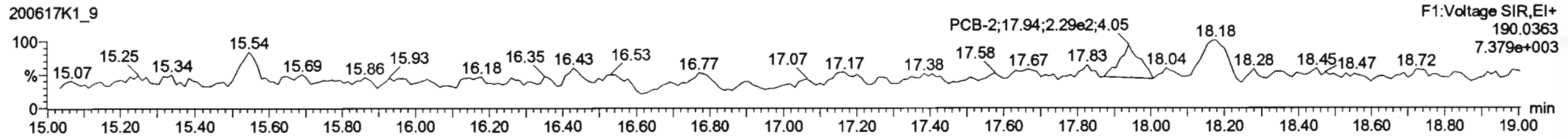
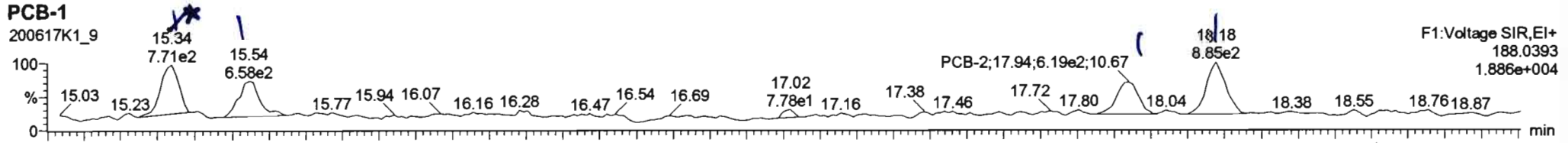


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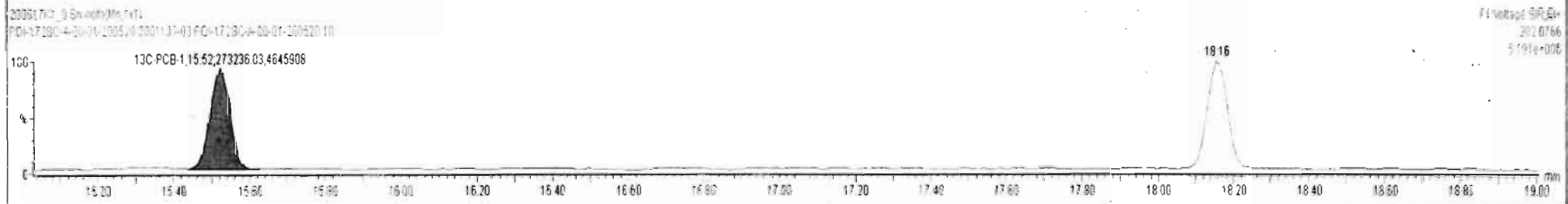
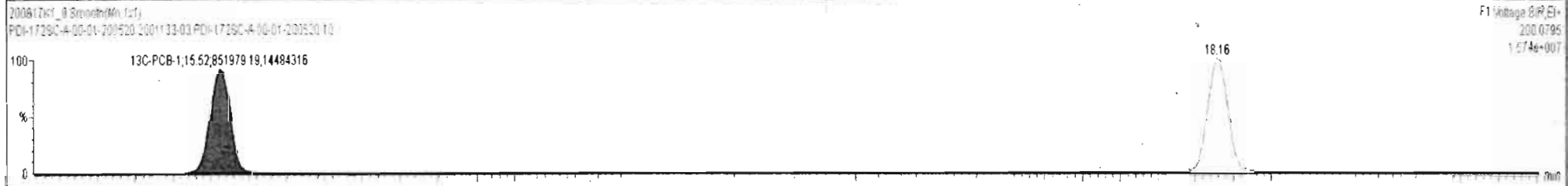
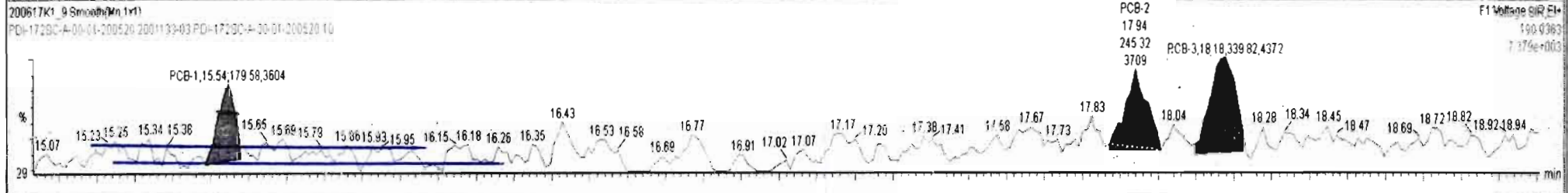
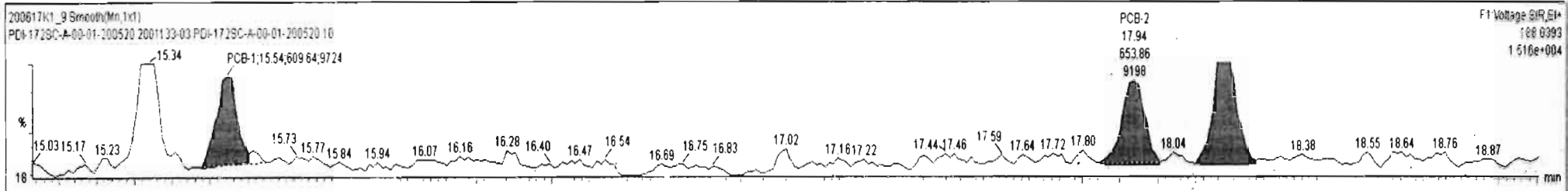
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#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.822	0.00		0.000		NO	3.497		0.758	3.497
225	225 Total Di-PCBs				1.0537	5.822	0.00		0.000		NO			8.06	
226	226 2nd Function Tri-PCBs				1.0807	5.822	0.00		0.000		NO			3.80	
227	227 3rd Function Tetr-PCBs				0.9228	5.822	0.00		0.000		NO	8.245		9.82	13.43

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1 PCB-1	15.53	15.54	6.096e2	1.796e2	3.130	3.39	NO	1.0312	1.0312
2	2 PCB-2	17.94	17.94	6.539e2	2.453e2	3.130	2.67	NO	1.0131	1.0131
3	3 PCB-3	18.17	18.18	9.124e2	3.398e2	3.130	2.69	NO	1.4532	1.4532

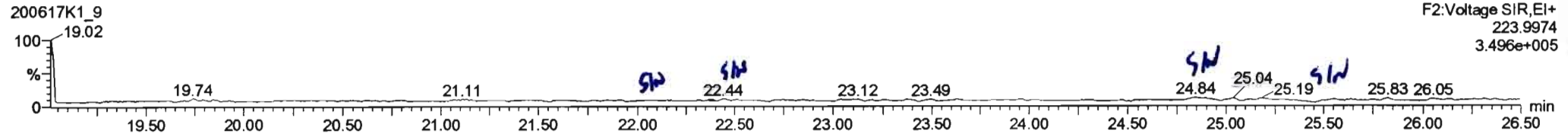
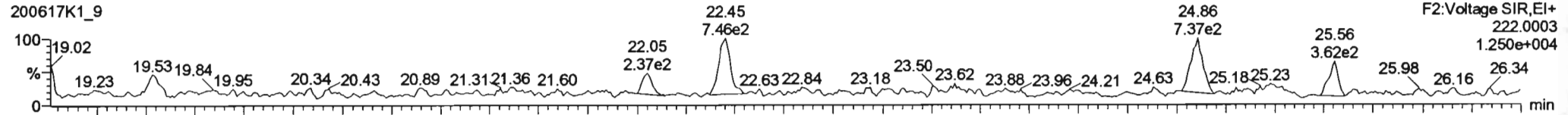


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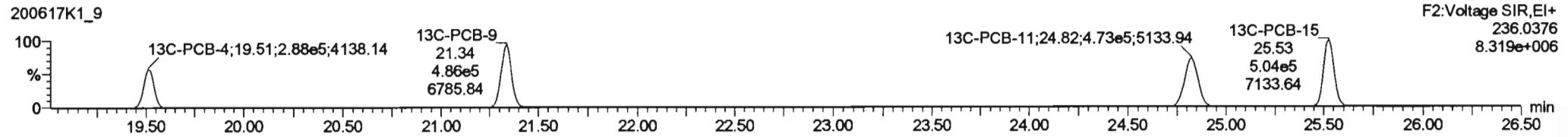
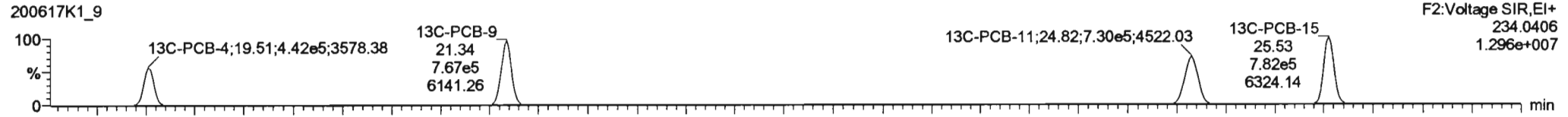
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

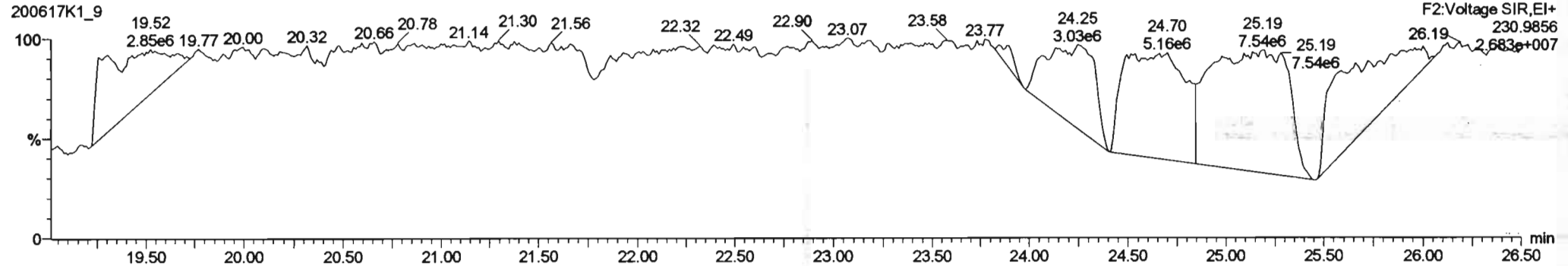
**PCB-4/10**



**13C-PCB-4**



**PFK2a**



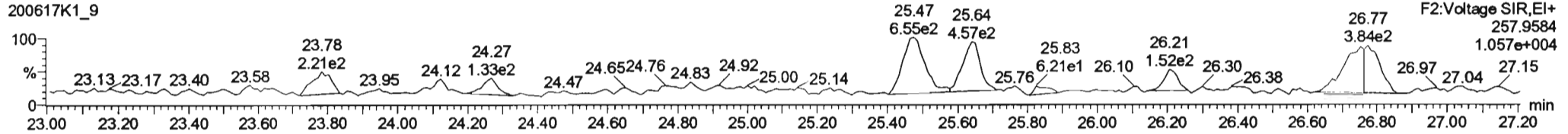
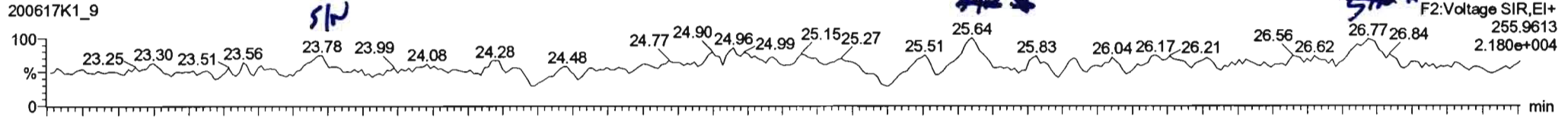
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

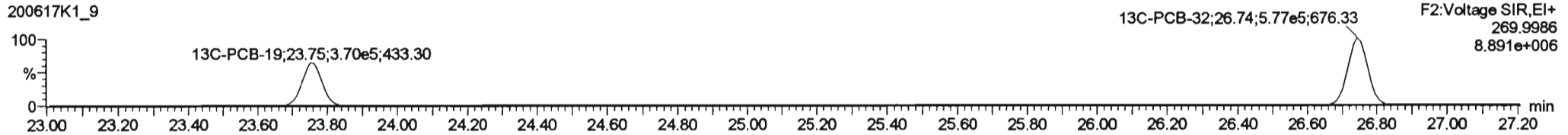
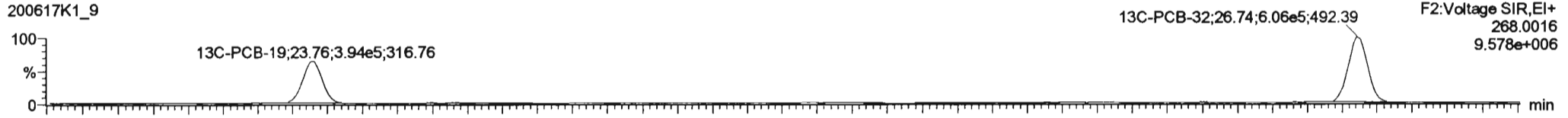
*★ Jun 07 2020*

Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

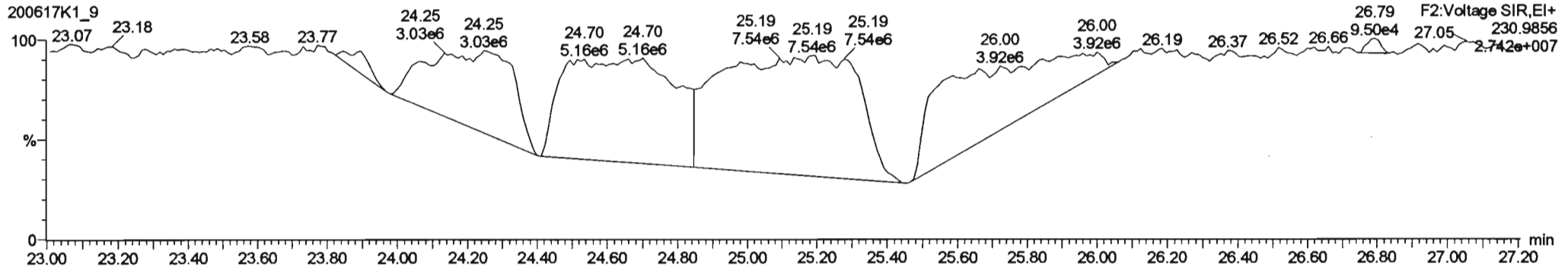
**PCB-19**



**13C-PCB-19**



**PFK2b**

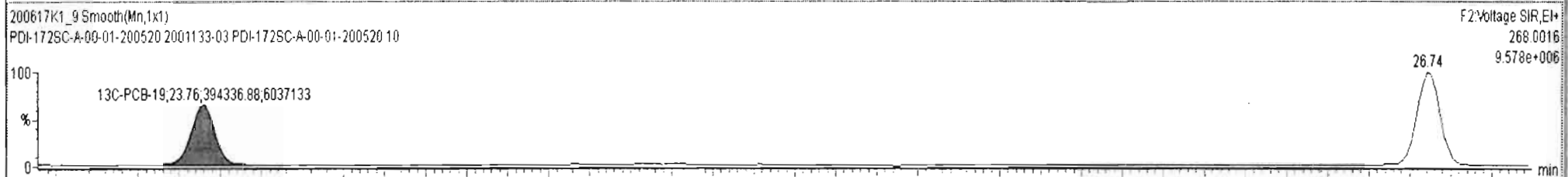
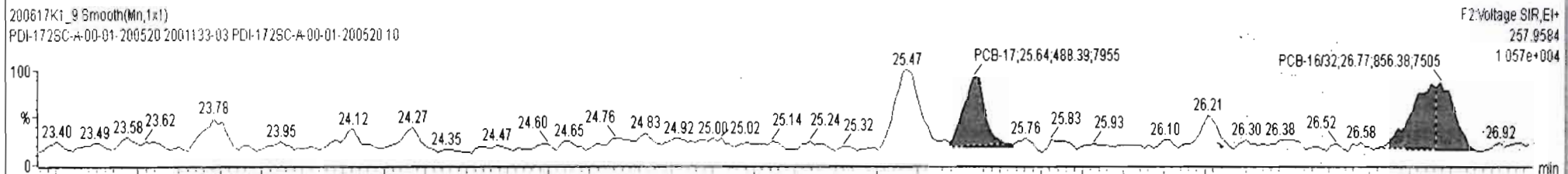
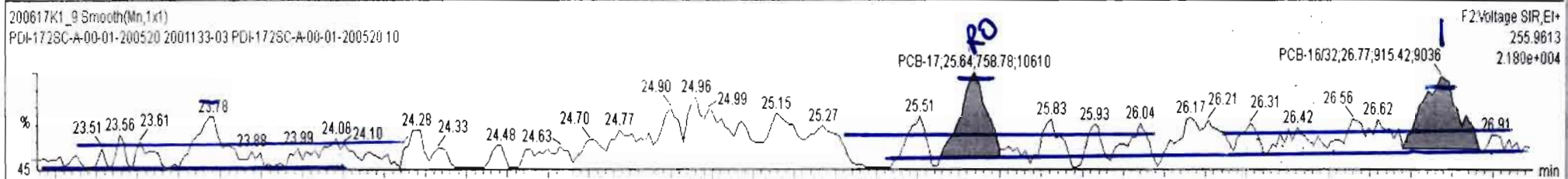




200617K1\_9 - 2001133-03 PDI-172SC-A-00-01-200520 10 - PDI-172SC-A-00-01-200520

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtVol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs							5.822	0.00			0.000	NO	2.778		3.80	4.684

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primar...	1° Det...
1	15 PCB-17	25.63	25.64	7.588e2	4.884e2	1.040	1.55	YES	1.9062	0.00000	MM	MM
2	17 PCB-16/32	26.76	26.77	9.154e2	8.564e2	1.040	1.07	NO	2.7781	2.7781	MM	MM



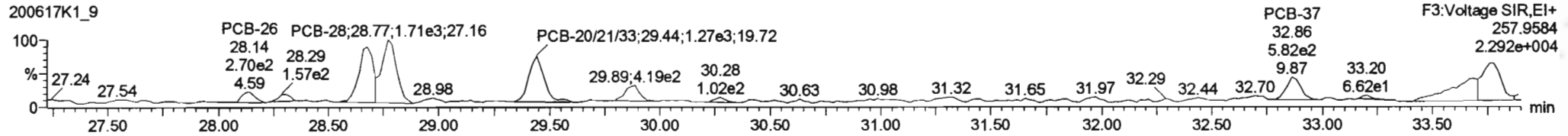
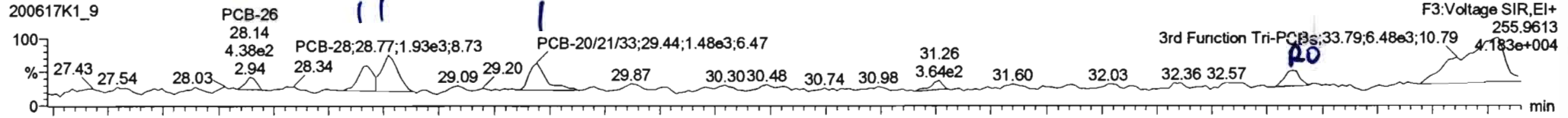
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

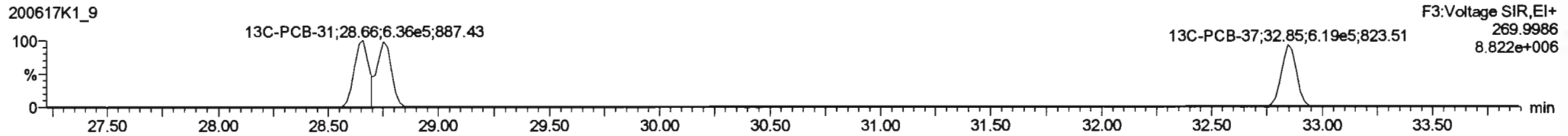
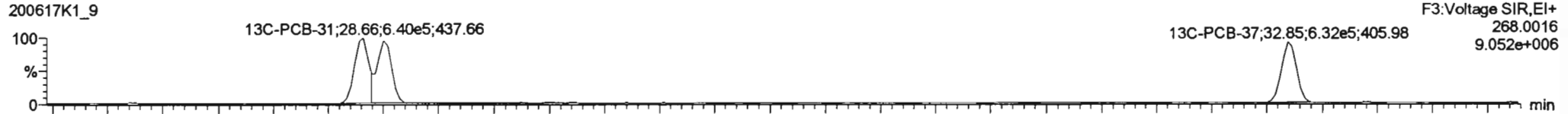
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

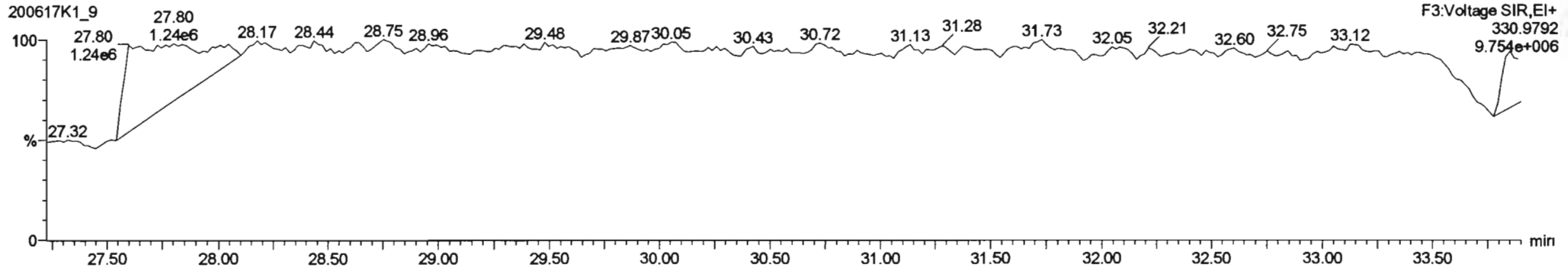
**PCB-34**



**13C-PCB-28**



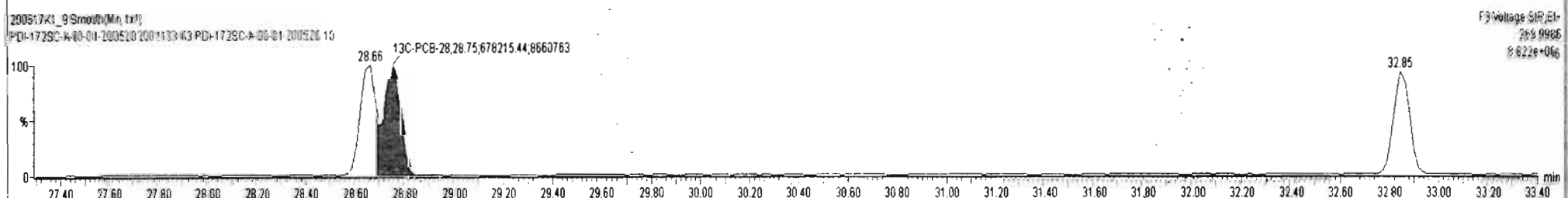
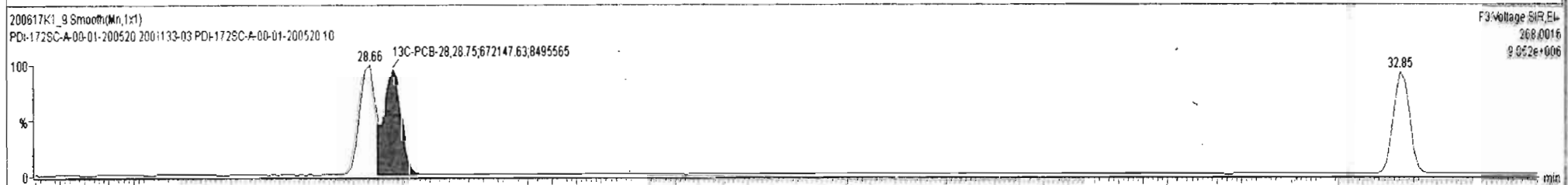
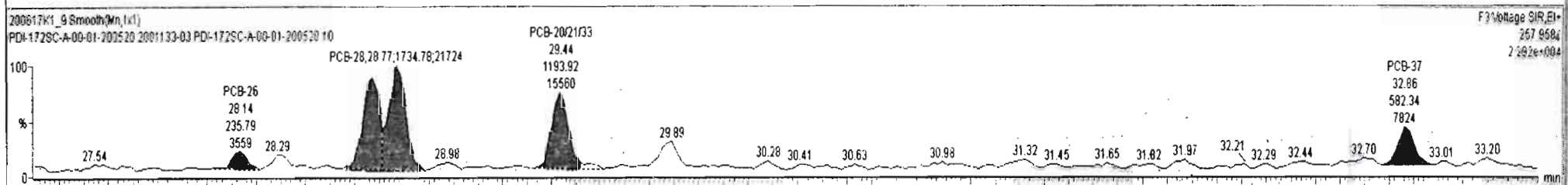
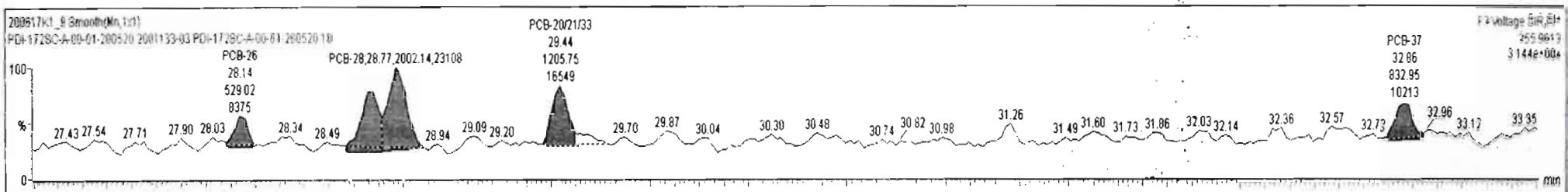
**PFK3d**





#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				1.0907	5.822	0.00		0.000		NO	0.0000		3.80	3.374
227	227 3rd Function Tri-PCBs				0.9828	5.822	0.00		0.000		NO	11.40		9.82	13.66
228	228 Total Tetra-PCBs				1.0778	5.822	0.00		0.000		NO	46.43		8.87	63.57
229	229 2nd Function Pentachloro				1.3157	5.822	0.00		0.000		NO	227.6		10.61	222.4

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	21 PCB-26	28.14	28.14	5.290e2	2.358e2	1.040	2.24	YES	0.64820	0.00000
2	23 PCB-31	28.66	28.68	1.421e3	1.445e3	1.040	0.98	NO	3.5177	3.5177
3	24 PCB-28	28.77	28.77	2.002e3	1.735e3	1.040	1.15	NO	4.6373	4.6373
4	25 PCB-20/21/33	29.41	29.44	1.206e3	1.194e3	1.040	1.01	NO	3.2427	3.2427
5	31 PCB-37	32.87	32.86	8.330e2	5.823e2	1.040	1.43	YES	1.6168	0.00000



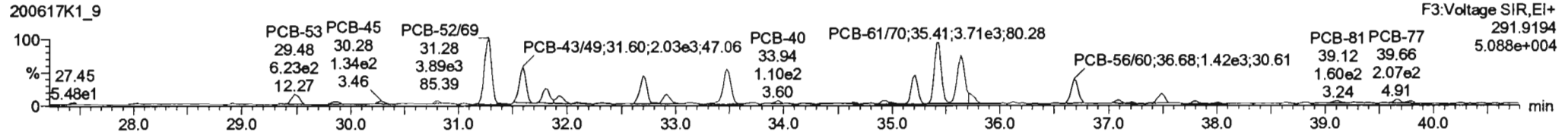
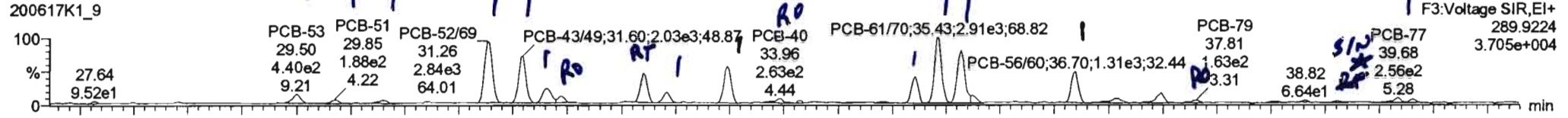
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

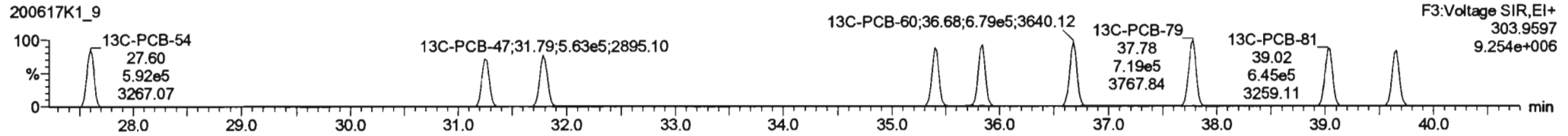
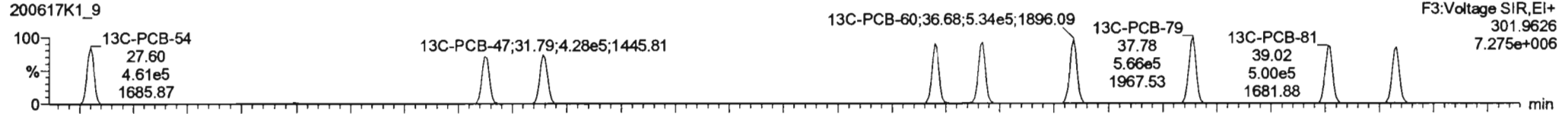
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Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

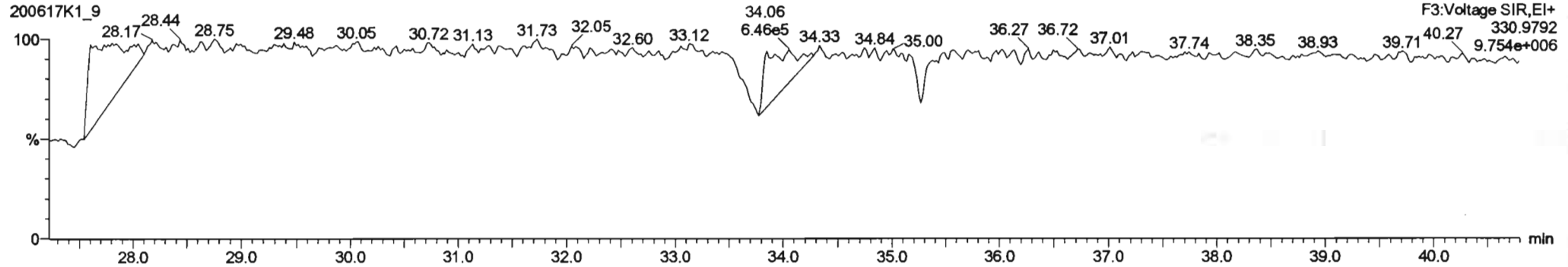
**PCB-54**



**13C-PCB-54**



**PFK3a**



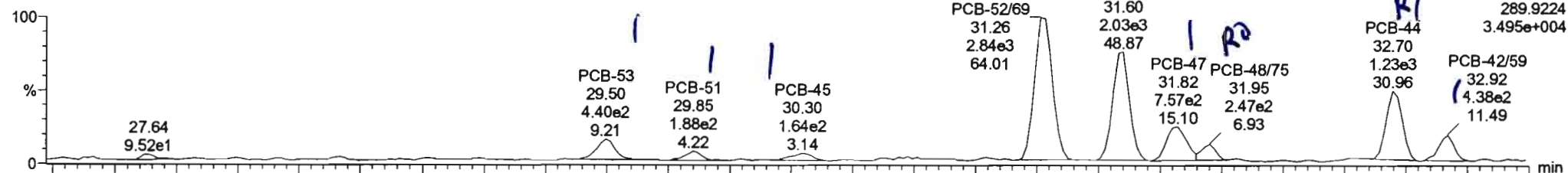
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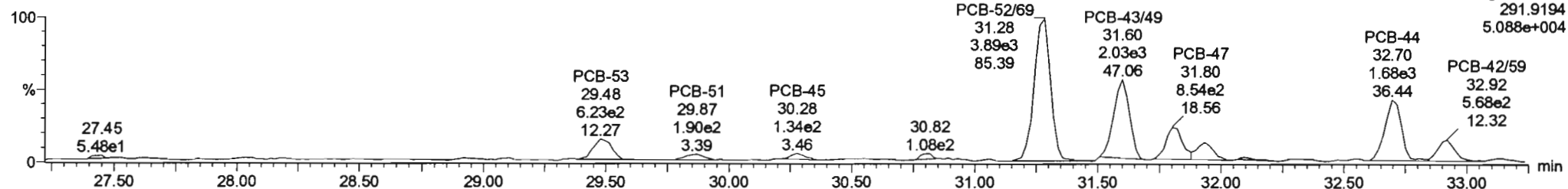
Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

PCB-50

200617K1\_9

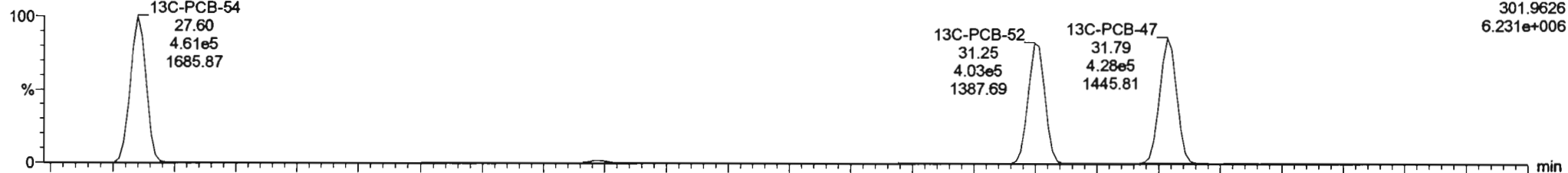


200617K1\_9

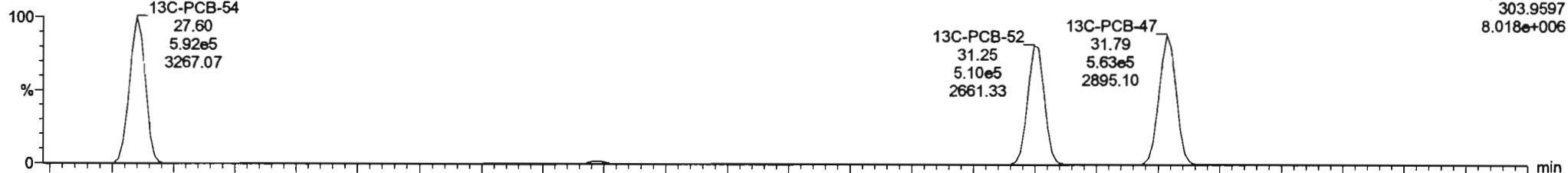


13C-PCB-52

200617K1\_9



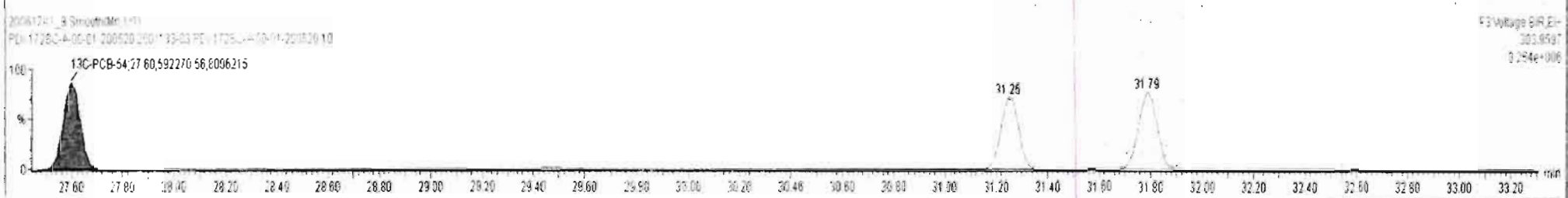
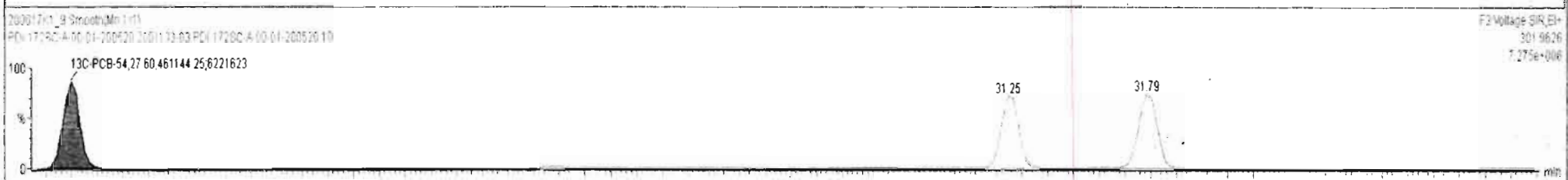
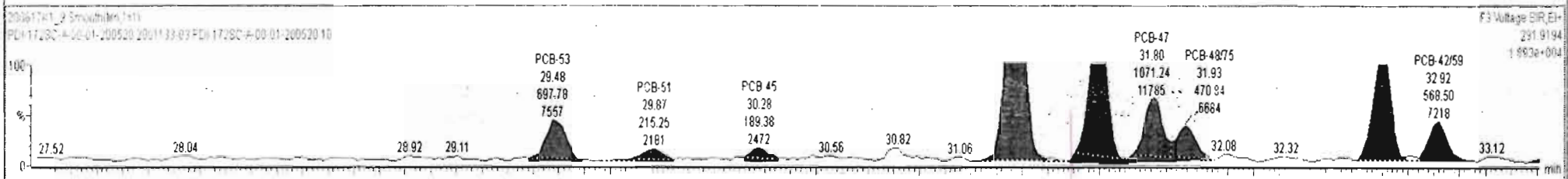
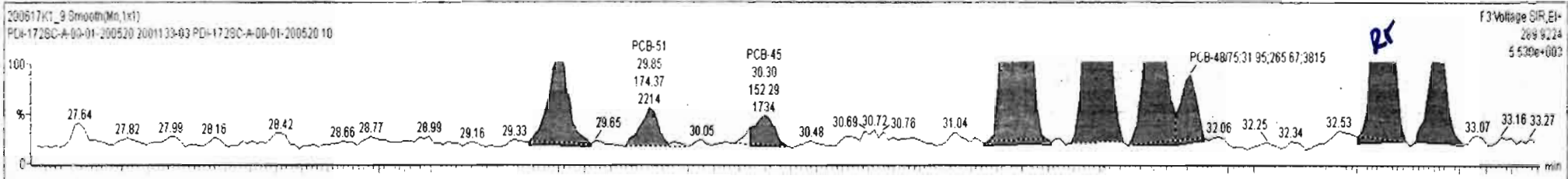
200617K1\_9



#	Name	Resp	RA	nly	RRF	wtAval	PredRT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				1.0807	5.822	0.00		0.000		NO	0.0000		3.80	3.374
227	227 3rd Function Tri-PCBs				0.9828	5.822	0.00		0.000		NO	11.40		9.82	13.66
228	228 Total Tetra-PCBs				1.0778	5.822	0.00		0.000		NO	59.64		8.87	66.25
229	229 3rd Function Beeta-PCBs				1.9157	5.822	0.00		0.000		NO	227.6		10.6	732.4

#	Name	PredRT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	nly	EMPC	Conc.
1	34 PCB-53	29.50	29.50	4.753e2	6.978e2	0.770	0.68	NO	2.2137	2.2137
2	35 PCB-51	29.84	29.85	1.744e2	2.152e2	0.770	0.81	NO	0.68794	0.68794
3	36 PCB-45	30.29	30.30	1.523e2	1.894e2	0.770	0.80	NO	0.74864	0.74864
4	38 PCB-52/69	31.28	31.26	2.904e3	3.860e3	0.770	0.75	NO	10.905	10.905
5	40 PCB-43/49	31.57	31.60	2.033e3	2.301e3	0.770	0.88	NO	8.0228	8.0228
6	41 PCB-47	31.80	31.82	7.780e2	1.071e3	0.770	0.73	NO	3.4763	3.4763
7	42 PCB-48/75	31.92	31.95	2.857e2	4.708e2	0.770	0.56	YES	0.94479	0.00000
8	45 PCB-44	32.64	32.70	1.266e3	1.642e3	0.770	0.77	NO	6.1147	6.1147
9	46 PCB-42/69	32.87	32.92	4.375e2	5.685e2	0.770	0.77	NO	1.6609	1.6609

*aged into  
b. of late - 24pk ~*

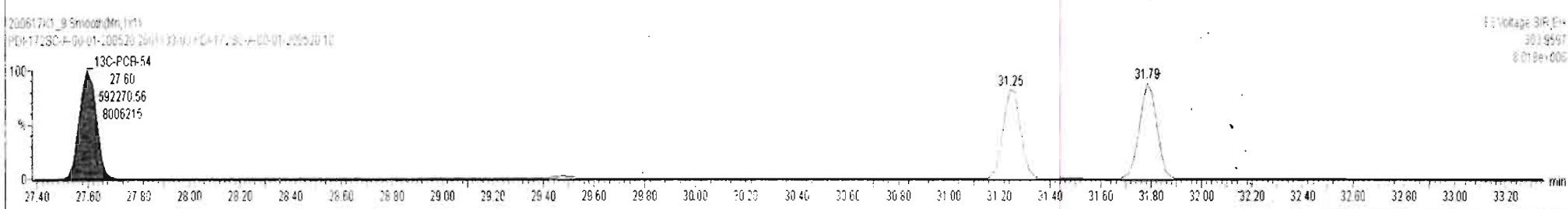
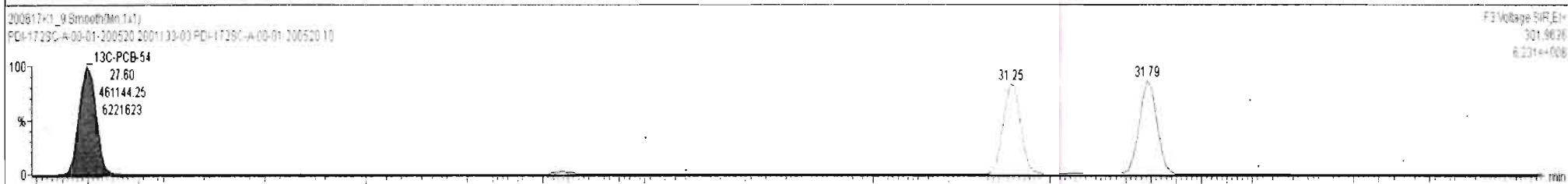
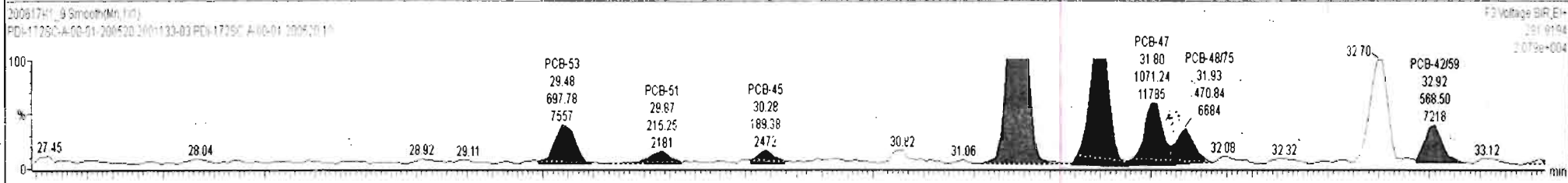
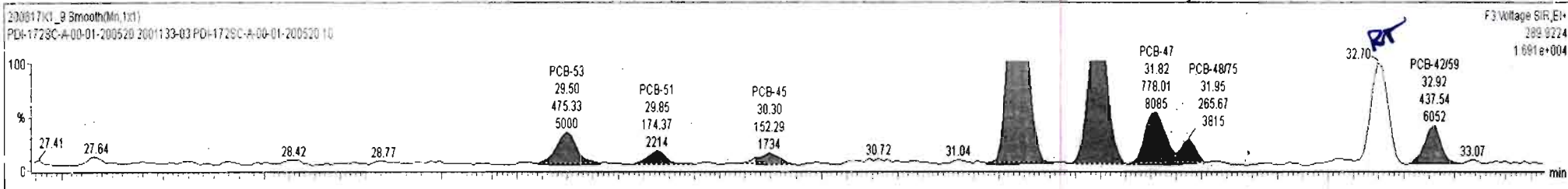




200617K1\_9-2001133-03 PDI-172SC-A-00-01-200520 10 - PDI-172SC-A-00-01-200520

#	Name	Resp	RA	nly	RRF	wMol	PredRT	RT	PredR...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.822	0.00		0.000		NO	58.18		8.87	60.11
229	229 3rd Function Penta-PCBs				1.3157	5.822	0.00		0.000		NO	230.5		10.6	233.8
230	230 4th Function Penta-PCBs				1.0735	5.822	0.00		0.000		NO	4.659		1.52	4.659

#	Name	PredRT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	34 PCB-53	29.50	29.50	4.753e2	6.978e2	0.770	0.68	NO	2.2137	2.2137
2	35 PCB-51	29.84	29.85	1.744e2	2.152e2	0.770	0.81	NO	0.68794	0.68794
3	36 PCB-45	30.29	30.30	1.523e2	1.894e2	0.770	0.80	NO	0.74864	0.74864
4	38 PCB-52/69	31.28	31.26	2.904e3	3.860e3	0.770	0.75	NO	10.905	10.905
5	40 PCB-43/49	31.57	31.60	2.033e3	2.301e3	0.770	0.88	NO	8.0228	8.0228
6	41 PCB-47	31.80	31.82	7.780e2	1.071e3	0.770	0.73	NO	3.4763	3.4763
7	42 PCB-48/75	31.92	31.95	2.657e2	4.708e2	0.770	0.56	YES	0.94479	0.00000
8	46 PCB-42/59	32.87	32.92	4.375e2	5.685e2	0.770	0.77	NO	1.6609	1.6609



Dataset: Untitled

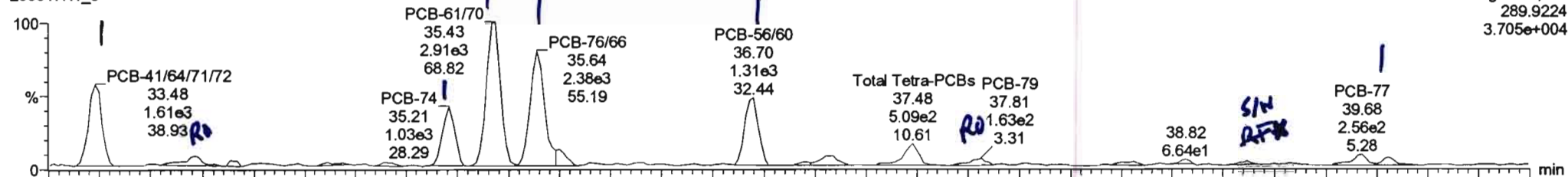
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

*\* July 06 2020*

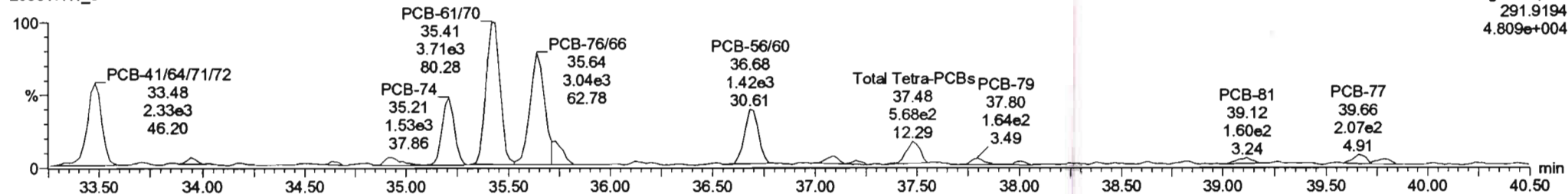
Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

PCB-68

200617K1\_9

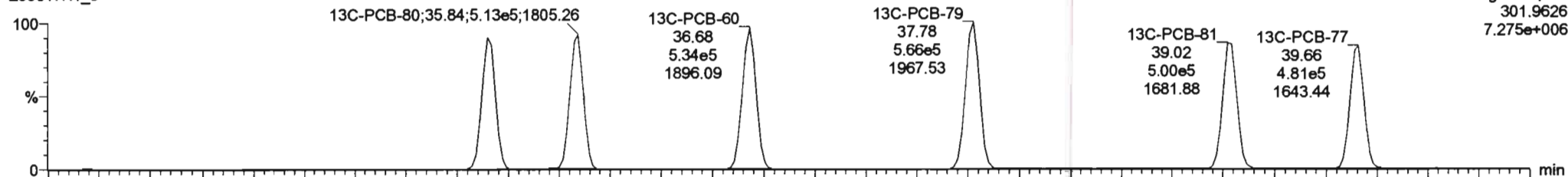


200617K1\_9

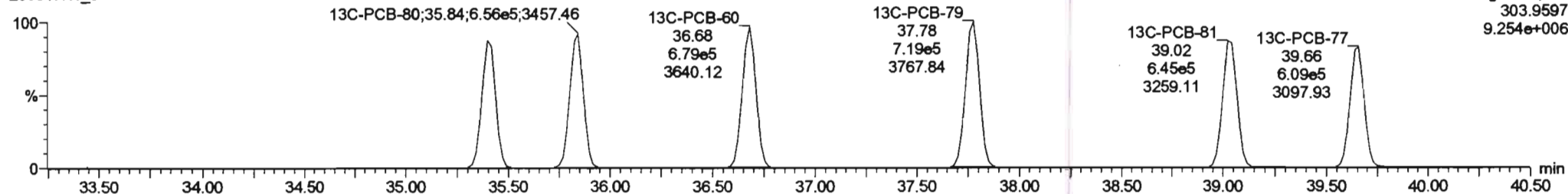


13C-PCB-60

200617K1\_9



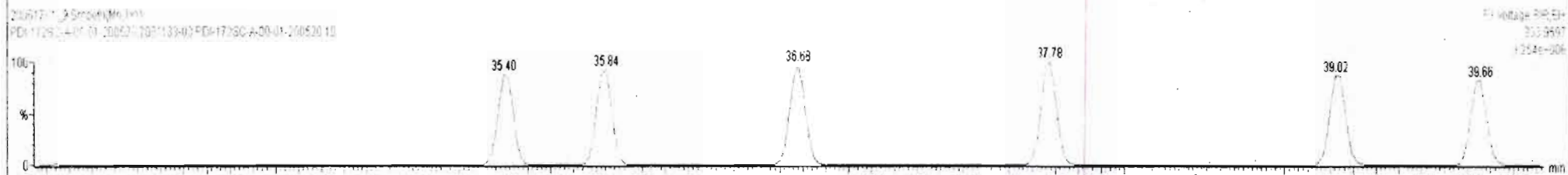
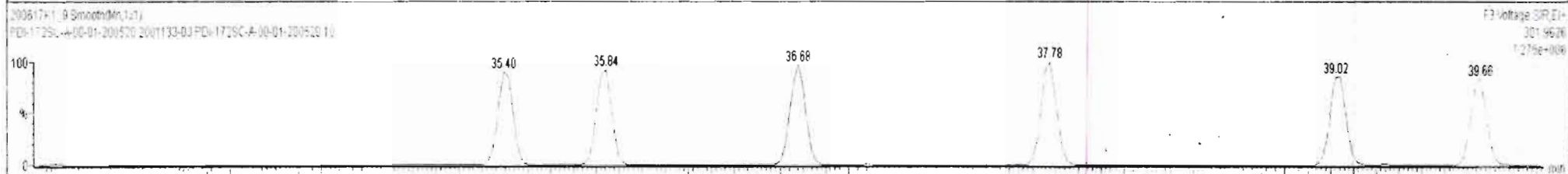
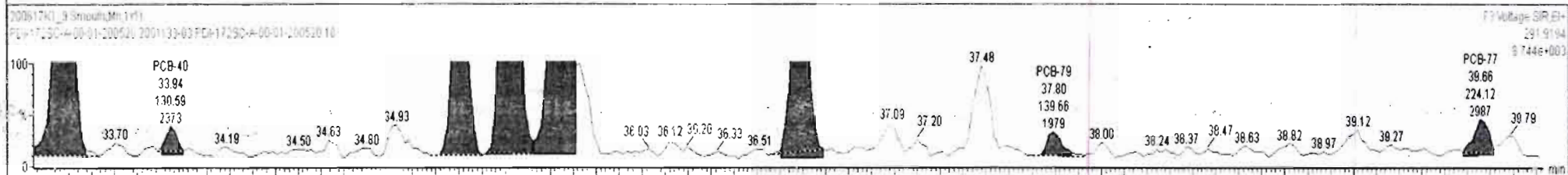
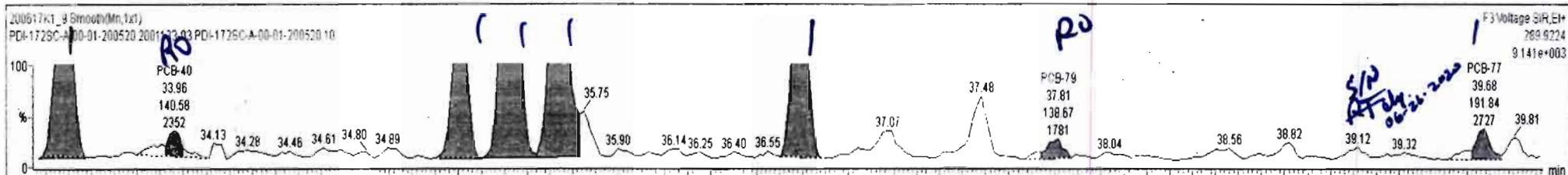
200617K1\_9





#	Name	Resp	RA	nly	RRF	w/Mol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				1.0807	5.822	0.00		0.000		NO	0.0000		3.80	3.374
227	227 3rd Function Tri-PCBs				0.9828	5.822	0.00		0.000		NO	11.40		9.82	13.66
228	228 Total Tetra-PCBs				1.0778	5.822	0.00		0.000		NO	64.30		8.87	66.23
229	229 1st Function Dieta-PCBs				1.1857	5.822	0.00		0.000		NO	227.6		16.6	222.4

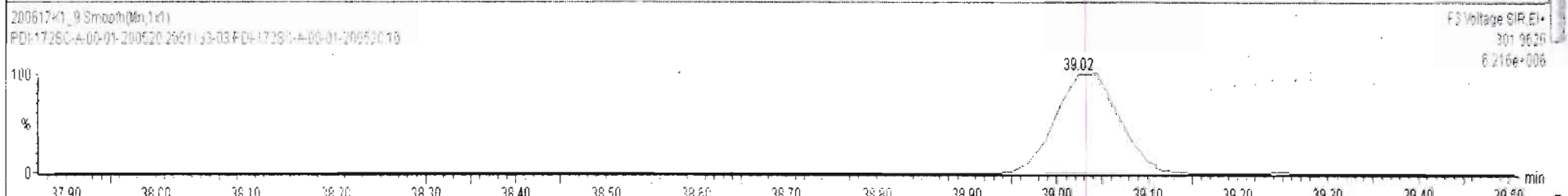
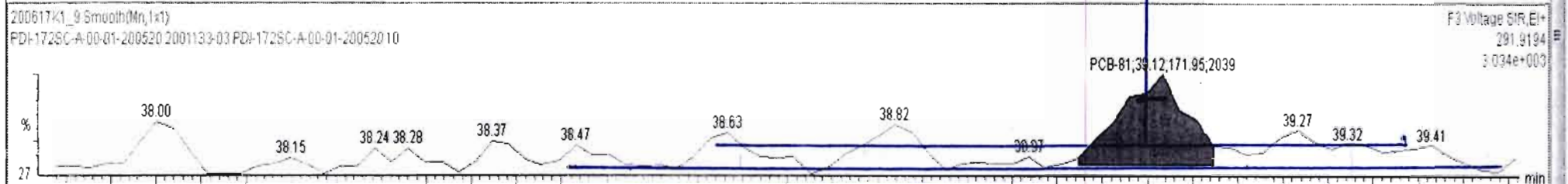
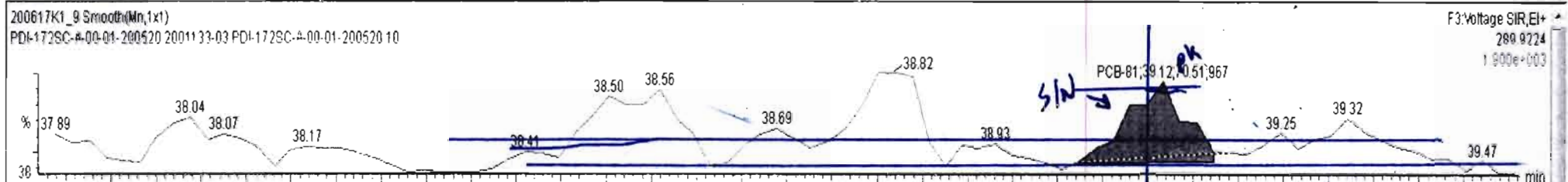
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
10	47 PCB-4164/71/72	33.47	33.48	1.633e3	2.269e3	0.770	0.72	NO	5.6959	5.6959
11	49 PCB-40	33.95	33.96	1.406e2	1.306e2	0.770	1.08	YES	0.68537	0.00000
12	54 PCB-74	35.20	35.21	1.059e3	1.521e3	0.770	0.70	NO	3.3357	3.3357
13	55 PCB-61/70	35.41	35.43	2.914e3	3.726e3	0.770	0.78	NO	9.6495	9.6495
14	56 PCB-76/66	35.60	35.64	2.384e3	3.039e3	0.770	0.78	NO	7.1352	7.1352
15	59 PCB-56/60	36.70	36.70	1.320e3	1.503e3	0.770	0.88	NO	4.0752	4.0752
16	60 PCB-79	37.80	37.81	1.387e2	1.397e2	0.770	0.99	YES	0.31904	0.00000
17	63 PCB-77	39.68	39.68	1.918e2	2.241e2	0.770	0.86	NO	0.57634	0.57634



200617K1\_9 - 2001133-03 PDI-172SC-A-00-01-200520 10 - PDI-172SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.822	0.00		0.000		NO	58.18		8.87	60.35

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
6	41 PCB-47	31.80	31.82	7.780e2	1.071e3	0.770	0.73	NO	3.4763	3.4763
7	42 PCB-48/75	31.92	31.95	2.657e2	4.708e2	0.770	0.56	YES	0.94479	0.00000
8	46 PCB-42/59	32.87	32.92	4.375e2	5.685e2	0.770	0.77	NO	1.6609	1.6609
9	47 PCB-41/64/71/72	33.47	33.48	1.633e3	2.269e3	0.770	0.72	NO	5.6959	5.6959
10	49 PCB-40	33.95	33.96	1.406e2	1.306e2	0.770	1.08	YES	0.66537	0.00000
11	54 PCB-74	35.20	35.21	1.059e3	1.521e3	0.770	0.70	NO	3.3357	3.3357
12	55 PCB-61/70	35.41	35.43	2.914e3	3.726e3	0.770	0.78	NO	9.6495	9.6495
13	56 PCB-76/66	35.60	35.64	2.384e3	3.039e3	0.770	0.78	NO	7.1352	7.1352
14	58 PCB-56/60	36.70	36.70	1.320e3	1.503e3	0.770	0.88	NO	4.0752	4.0752
15	60 PCB-79	37.80	37.81	1.387e2	1.397e2	0.770	0.99	YES	0.31904	0.00000
16	62 PCB-81	39.04	39.12	7.051e1	1.719e2	0.770	0.41	YES	0.23243	0.00000
17	63 PCB-77	39.68	39.67	1.918e2	2.241e2	0.770	0.86	NO	0.57634	0.57634



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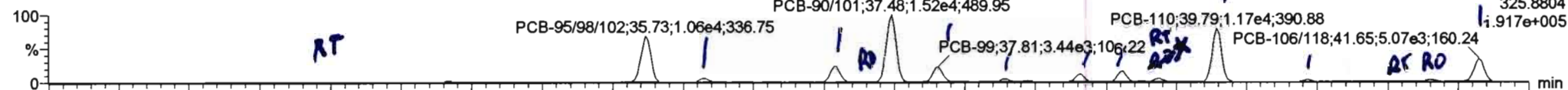
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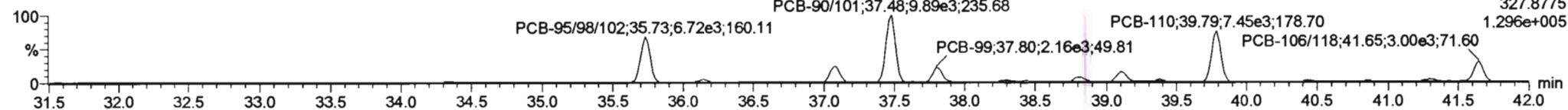
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**PCB-104**

200617K1\_9

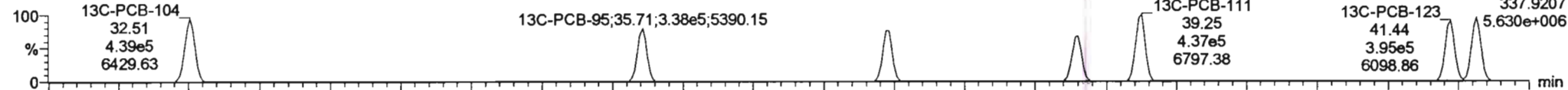


200617K1\_9

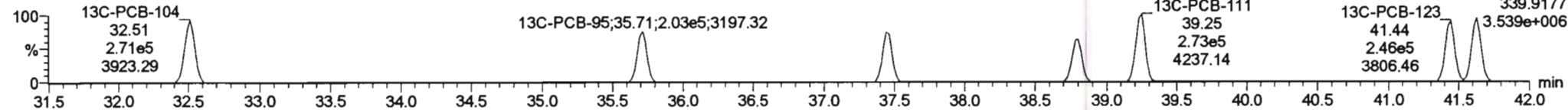


**13C-PCB-104**

200617K1\_9

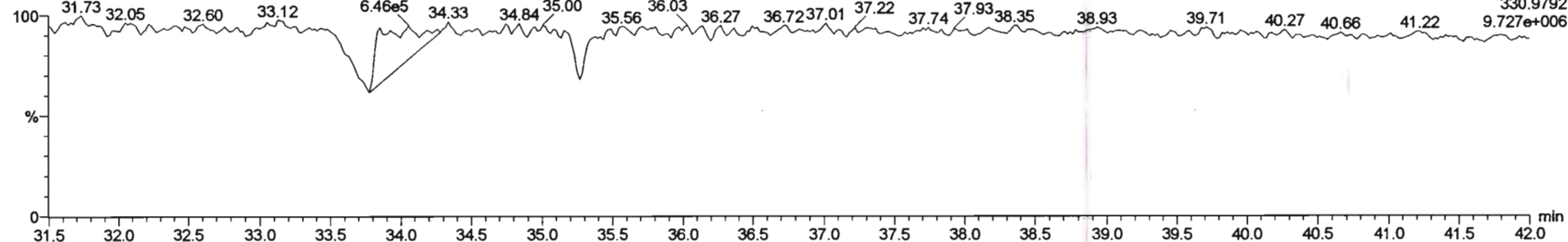


200617K1\_9



**PFK3b**

200617K1\_9



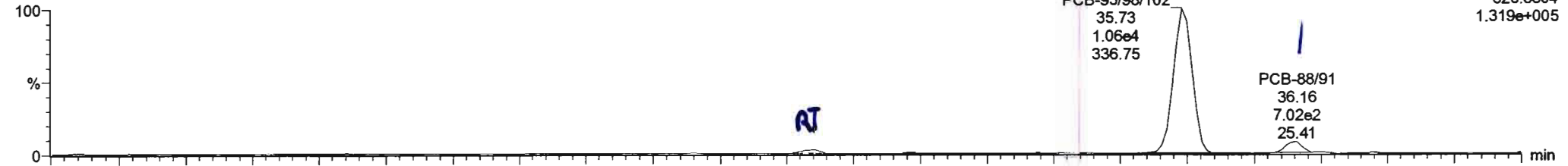
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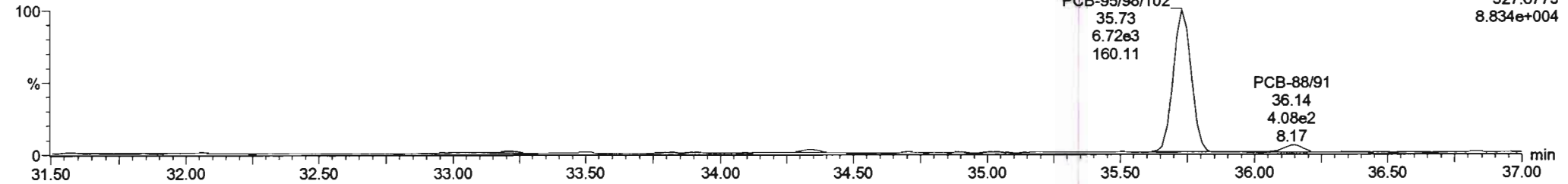
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**PCB-96**

200617K1\_9

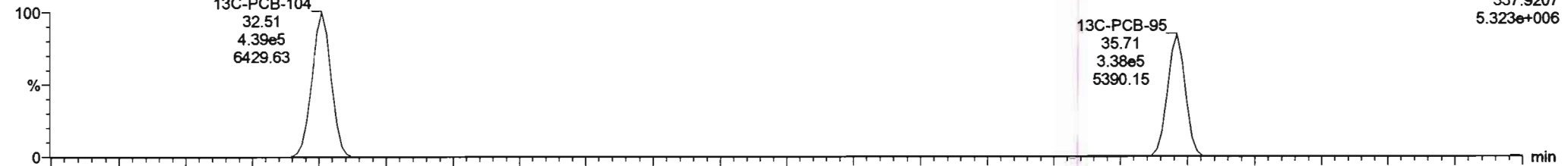


200617K1\_9

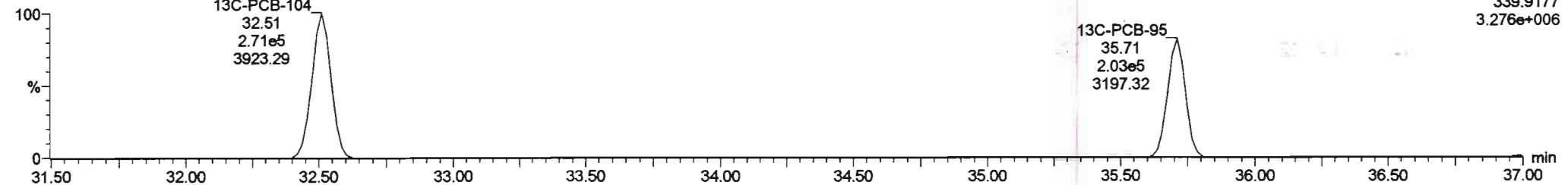


**13C-PCB-95**

200617K1\_9



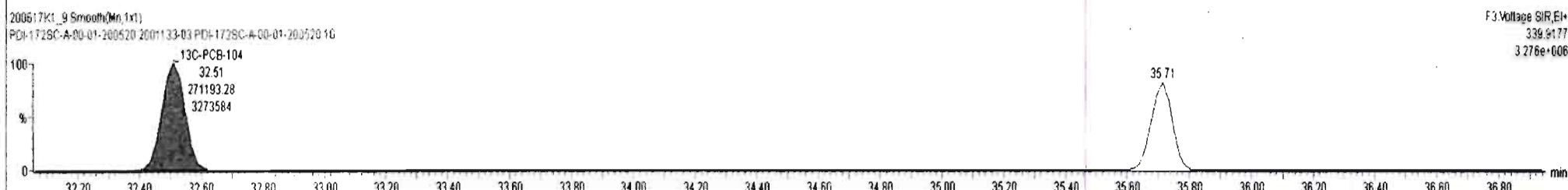
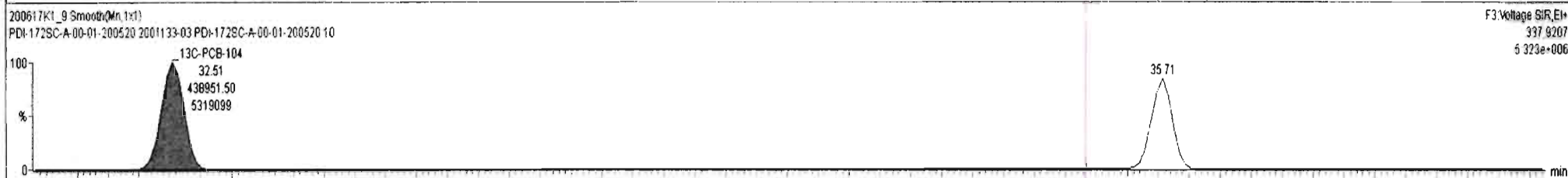
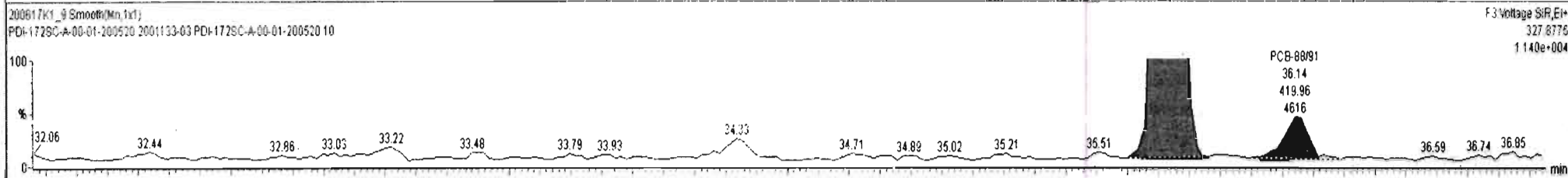
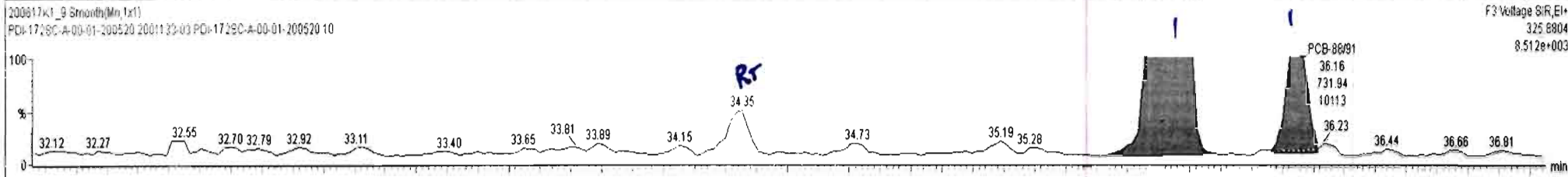
200617K1\_9





#	Name	Resp	RA	nly	RRF	wVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.822	0.00		0.000		NO	58.18		8.87	60.11
229	229 3rd Function Penta-PCBs				1.3157	5.822	0.00		0.000		NO	229.3		10.8	232.6
230	230 4th Function Penta-PCBs				1.0735	5.822	0.00		0.000		NO	4.659		1.52	4.659

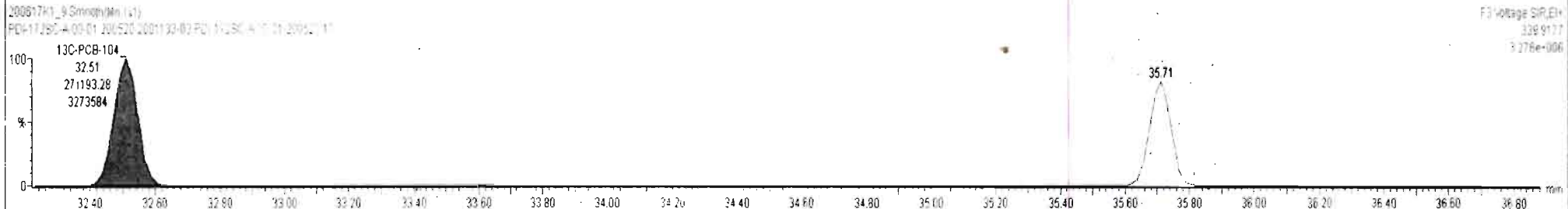
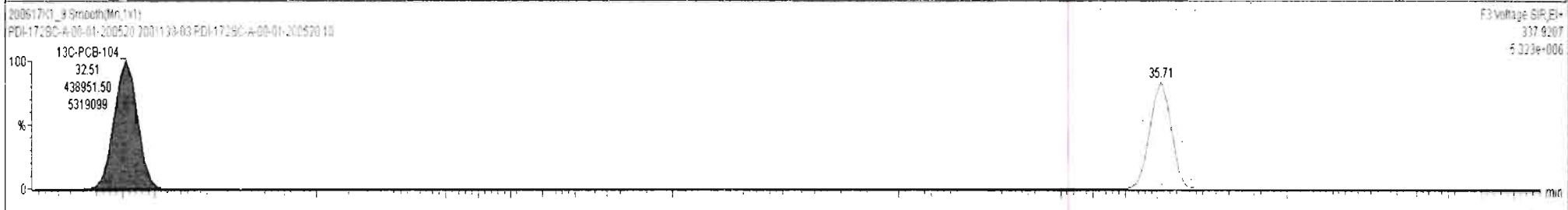
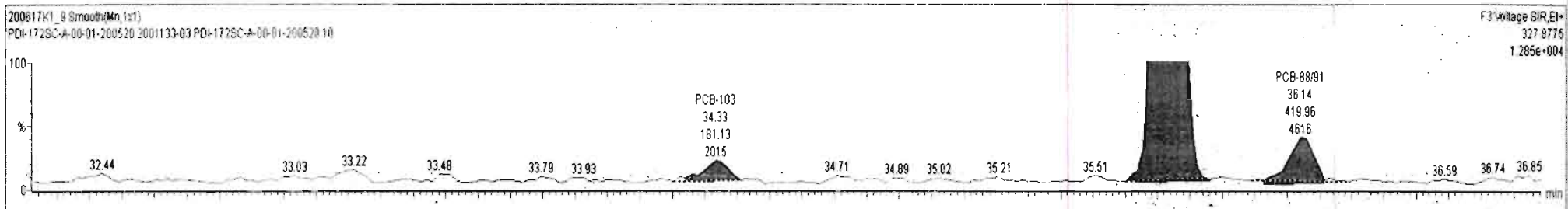
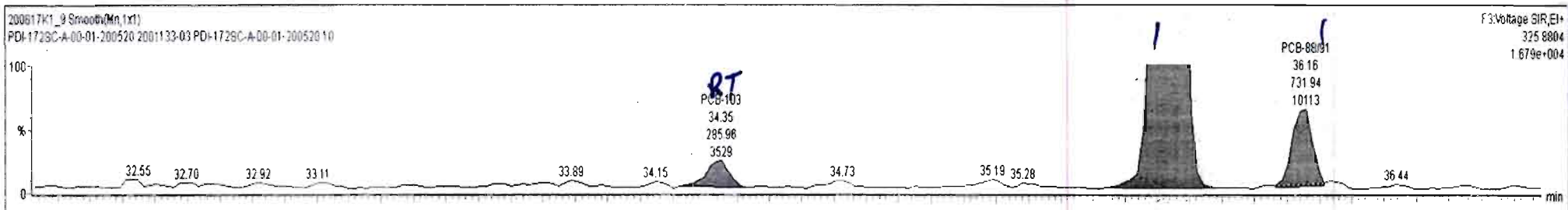
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	69 PCB-95/98/102	35.67	35.73	1.062e4	6.743e3	1.560	1.57	NO	45.779	45.779
2	71 PCB-58/91	36.14	36.16	7.319e2	4.200e2	1.560	1.74	NO	3.4360	3.4360
3	73 PCB-84/92	37.08	37.07	3.615e3	2.422e3	1.560	1.49	NO	18.914	18.914
4	74 PCB-89	37.25	37.26	5.303e1	7.721e1	1.560	0.69	YES	0.25110	0.00000
5	75 PCB-90/101	37.46	37.48	1.529e4	9.953e3	1.560	1.54	NO	71.696	71.696
6	77 PCB-89	37.79	37.81	3.463e3	2.189e3	1.560	1.58	NO	13.642	13.642
7	78 PCB-119	38.30	38.30	5.670e2	3.252e2	1.560	1.74	NO	1.7925	1.7925
8	81 PCB-97	38.82	38.82	1.434e3	8.195e2	1.560	1.75	NO	6.3737	6.3737



200617K1-9-2001133-03.PDI-172SC-A-00-01-200520 11-PDI-172SC-A-00-01-200520

#	Name	Resp	RA	nly	RRF	wtVcl	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.3157	5.822	0.00		0.000		NO	227.8		10.6	232.6
230	4th Function Penta-PCBs				1.0735	5.822	0.00		0.000		NO	4.571		1.52	4.717
231	3rd Function Hexa-PCBs				0.9505	5.822	0.00		0.000		NO	130.3		3.46	144.9
232	4th Function Hexa-PCBs				1.0716	5.822	0.00		0.000		NO	166.4		5.13	178.6

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
1	66 PCB-103	34.42	34.35	2.860e2	1.811e2	1.560	1.58	NO	1.2063	1.2063
2	69 PCB-88/91	35.87	35.73	1.062e4	6.743e3	1.560	1.57	NO	45.779	45.779
3	71 PCB-88/91	36.14	36.16	7.319e2	4.200e2	1.560	1.74	NO	3.4360	3.4360





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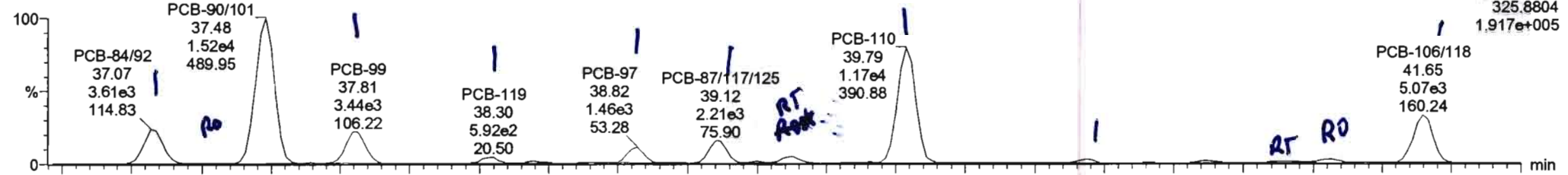
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*\*dy 06-23-2020*

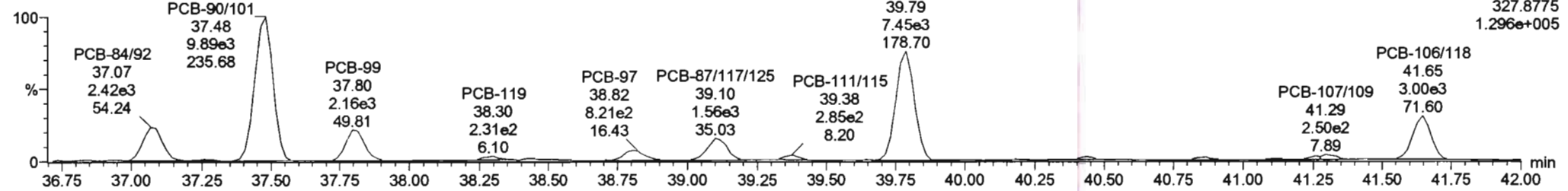
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**PCB-119**

200617K1\_9

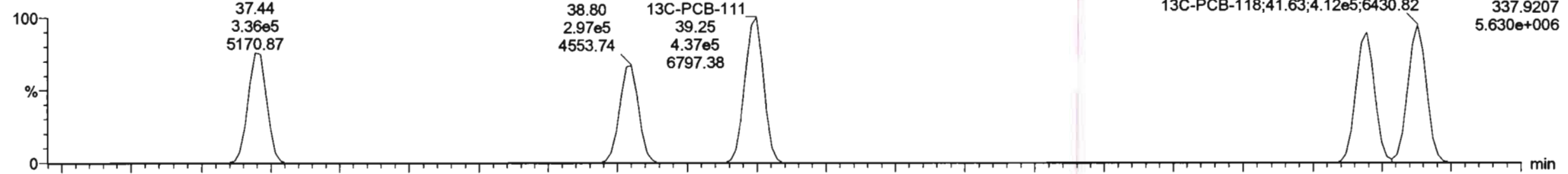


200617K1\_9

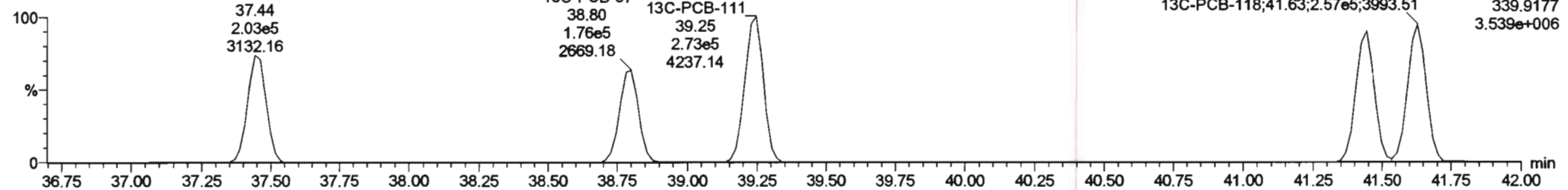


**13C-PCB-111**

200617K1\_9



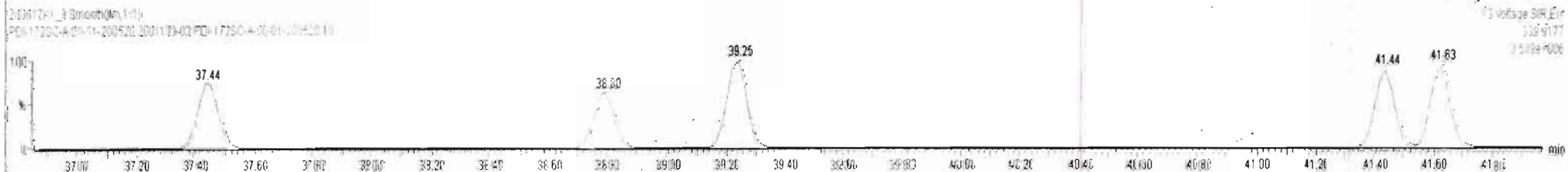
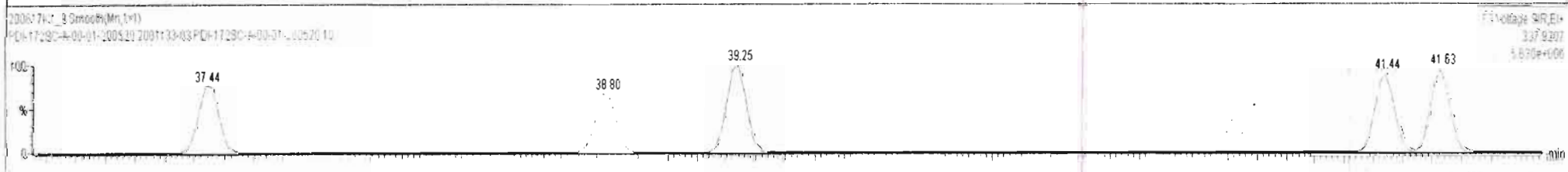
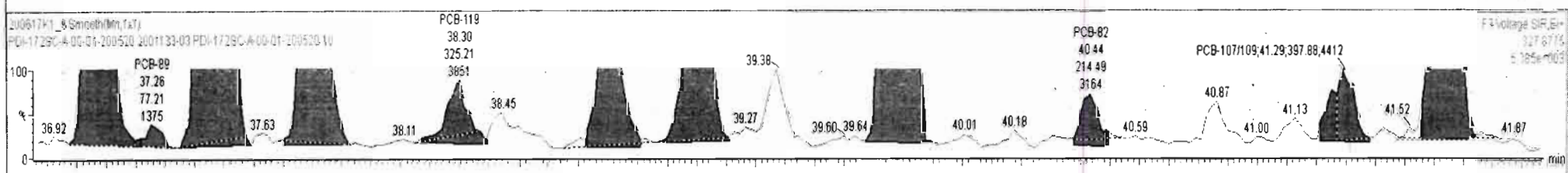
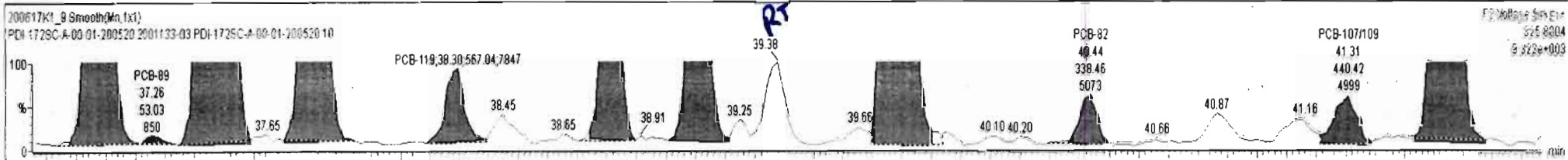
200617K1\_9



200617K1\_9 - 2001133-03 PDI-172SC-A-00-01-200520 10 - PDI-172SC-A-00-01-200520

#	Name	Resp	RA	nly	RRF	wtAve	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.822	0.00		0.000		NO	58.18		8.87	60.11
229	229 3rd Function Penta-PCBs				1.3157	5.822	0.00		0.000		NO	229.3		10.6	231.0
230	230 4th Function Penta-PCBs				1.0735	5.822	0.00		0.000		NO	4.659		1.52	4.659

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	69 PCB-95/98/102	35.67	35.73	1.062e4	6.743e3	1.560	1.57	NO	45.779	45.779
2	71 PCB-88/91	36.14	36.16	7.319e2	4.200e2	1.560	1.74	NO	3.4360	3.4360
3	73 PCB-84/92	37.08	37.07	3.615e3	2.422e3	1.560	1.49	NO	18.914	18.914
4	74 PCB-89	37.25	37.26	5.303e1	7.721e1	1.560	0.89	YES	0.25110	0.00000
5	75 PCB-90/101	37.46	37.48	1.529e4	9.953e3	1.560	1.54	NO	71.696	71.696
6	77 PCB-99	37.79	37.81	3.463e3	2.189e3	1.560	1.58	NO	13.642	13.642
7	78 PCB-119	38.30	38.30	5.670e2	3.252e2	1.560	1.74	NO	1.7925	1.7925
8	81 PCB-97	38.82	38.82	1.434e3	8.195e2	1.560	1.75	NO	6.3737	6.3737
9	83 PCB-87/117/125	39.12	39.12	2.214e3	1.595e3	1.560	1.39	NO	8.8601	8.8601
10	87 PCB-110	39.79	39.79	1.168e4	7.454e3	1.560	1.57	NO	39.829	39.829
11	88 PCB-82	40.44	40.44	3.385e2	2.145e2	1.560	1.58	NO	1.8959	1.8959
12	90 PCB-107/109	41.29	41.31	4.404e2	3.979e2	1.560	1.11	YES	1.4429	0.00000



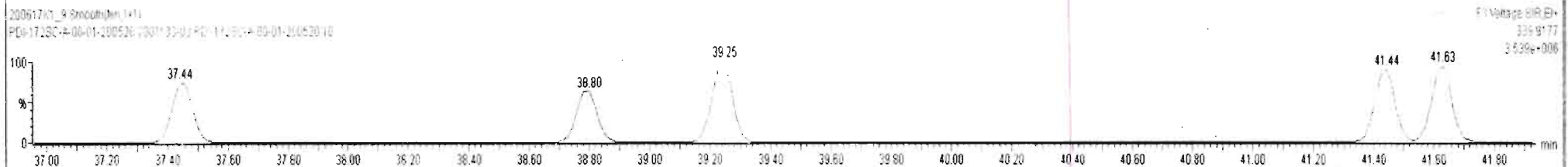
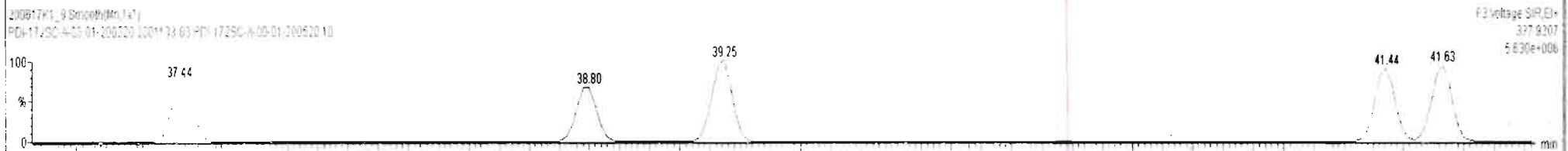
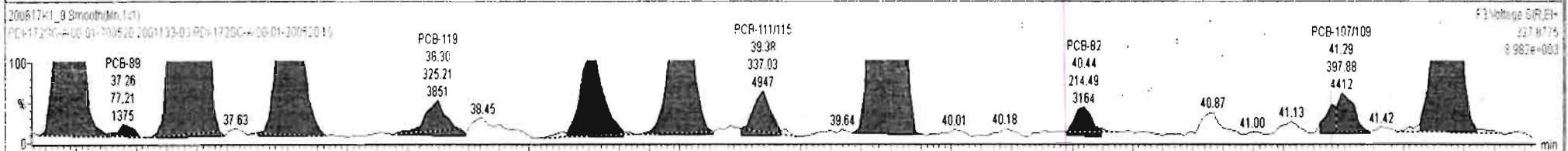
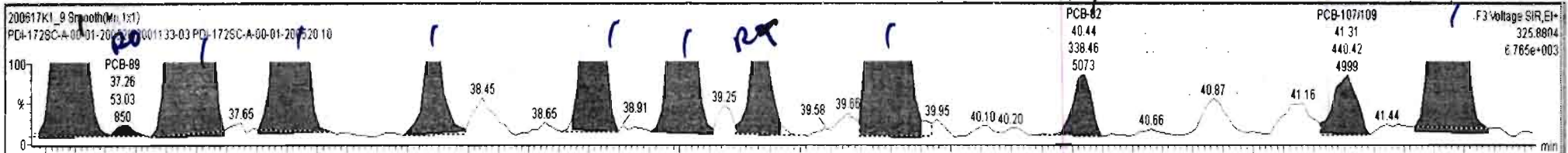
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#	Name	Resp	RA	nly	RRF	wtVol	PredRT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.9157	5.822	0.00		0.000		NO	230.5		10.6	233.8
230	4th Function Penta-PCBs				1.0735	5.822	0.00		0.000		NO	4.571		1.52	4.717
231	3rd Function Hexa-PCBs				0.9505	5.822	0.00		0.000		NO	130.3		3.46	144.9
232	4th Function Hexa-PCBs				1.0735	5.822	0.00		0.000		NO	165.2		5.13	178.6

#	Name	PredRT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
4	73 PCB-84/82	37.08	37.07	3.615e3	2.422e3	1.560	1.49	NO	18.914	18.914
5	74 PCB-89	37.25	37.26	5.303e1	7.721e1	1.560	0.69	YES	0.25110	0.00000
6	75 PCB-90/101	37.46	37.46	1.529e4	9.953e3	1.560	1.54	NO	71.696	71.696
7	77 PCB-99	37.79	37.81	3.463e3	2.189e3	1.560	1.58	NO	13.642	13.642
8	78 PCB-119	38.30	38.30	5.670e2	3.252e2	1.560	1.74	NO	1.7925	1.7925
9	81 PCB-97	38.82	38.82	1.434e3	8.195e2	1.560	1.75	NO	6.3737	6.3737
10	83 PCB-87/117/125	39.12	39.12	2.214e3	1.595e3	1.560	1.39	NO	6.8601	8.8601
11	84 PCB-111/115	39.27	39.38	6.563e2	3.370e2	1.560	1.95	YES	1.6379	0.00000
12	87 PCB-110	39.79	39.79	1.168e4	7.454e3	1.560	1.57	NO	39.829	39.829
13	88 PCB-82	40.44	40.44	3.385e2	2.145e2	1.560	1.58	NO	1.8959	1.8959
14	90 PCB-107/109	41.29	41.31	4.404e2	3.979e2	1.560	1.11	YES	1.4429	0.00000
15	92 PCB-106/116	41.67	41.65	5.167e3	2.940e3	1.560	1.76	NO	17.065	17.065

*Oil lab.*

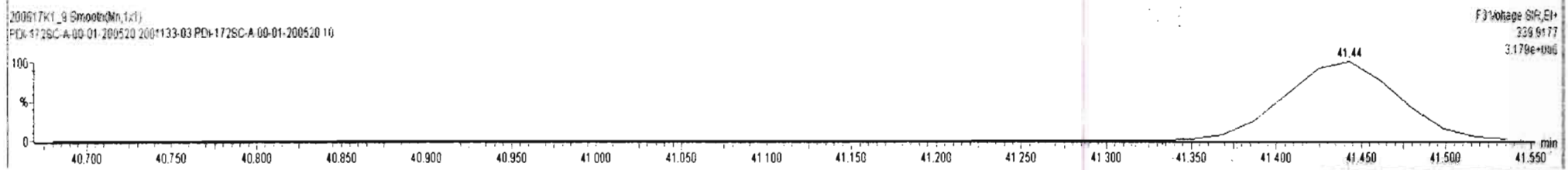
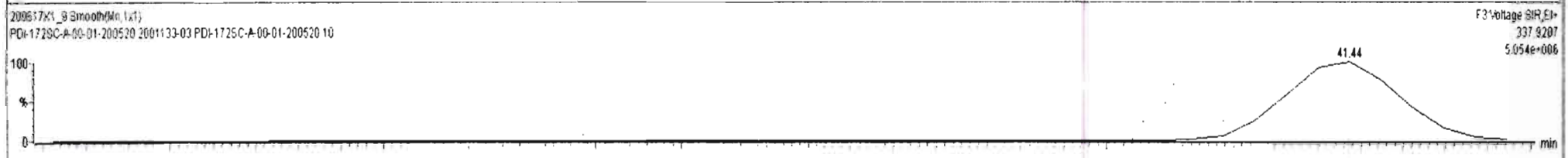
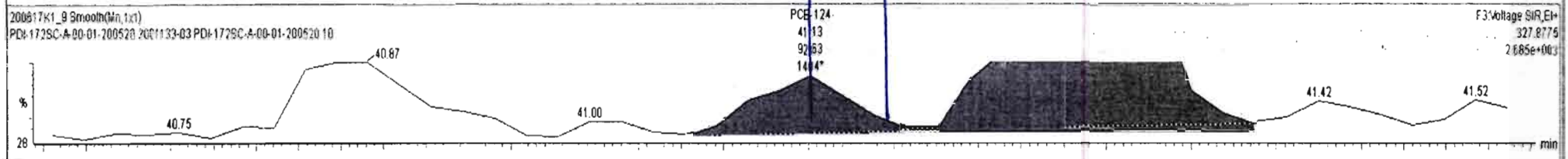
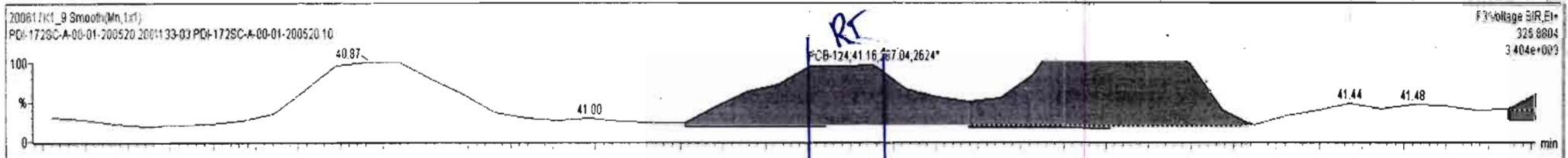
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#	Name	Resp	RA	nly	RRF	wtWtd	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMFC
229	229 3rd Function Penta-PCBs				1.3157	5.822	0.00		0.000		NO	230.5		10.6	234.0
230	230 4th Function Penta-PCBs				1.0735	5.822	0.00		0.000		NO	4.571		1.52	4.717
231	231 3rd Function Hexa-PCBs				0.9505	5.822	0.00		0.000		NO	130.3		3.46	144.9
232	232 4th Function Hexa-PCBs				1.0735	5.822	0.00		0.000		NO	168.4		5.13	178.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	66 PCB-103	34.42	34.35	2.860e2	1.811e2	1.560	1.58	NO	1.2063	1.2063
2	69 PCB-95/98/102	35.67	35.73	1.062e4	6.743e3	1.560	1.57	NO	45.779	45.779
3	71 PCB-88/91	36.14	36.16	7.319e2	4.200e2	1.560	1.74	NO	3.4360	3.4360
4	73 PCB-84/82	37.08	37.07	3.615e3	2.422e3	1.560	1.49	NO	18.914	18.914
5	74 PCB-89	37.25	37.26	5.300e1	7.721e1	1.560	0.69	YES	0.25110	0.00000
6	75 PCB-90/101	37.46	37.48	1.529e4	9.953e3	1.560	1.54	NO	71.696	71.696
7	77 PCB-99	37.79	37.81	3.463e3	2.189e3	1.560	1.58	NO	13.642	13.642
8	78 PCB-119	38.30	38.30	5.670e2	3.252e2	1.560	1.74	NO	1.7925	1.7925
9	81 PCB-97	38.82	38.82	1.434e3	8.195e2	1.560	1.75	NO	6.3737	6.3737
10	83 PCB-87/117/125	39.12	39.12	2.214e3	1.595e3	1.560	1.39	NO	8.8601	8.8601
11	84 PCB-111/115	39.27	39.38	6.563e2	3.370e2	1.560	1.95	YES	1.6379	0.00000
12	87 PCB-110	39.79	39.79	1.168e4	7.454e3	1.560	1.57	NO	39.829	39.829
13	88 PCB-82	40.44	40.44	3.385e2	2.145e2	1.560	1.58	NO	1.8959	1.8959

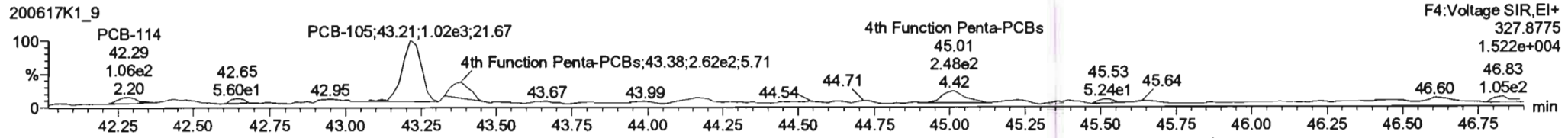
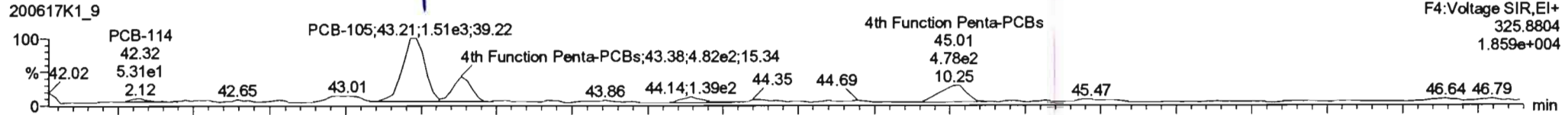


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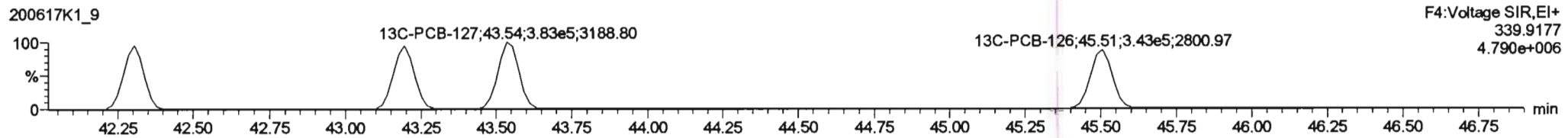
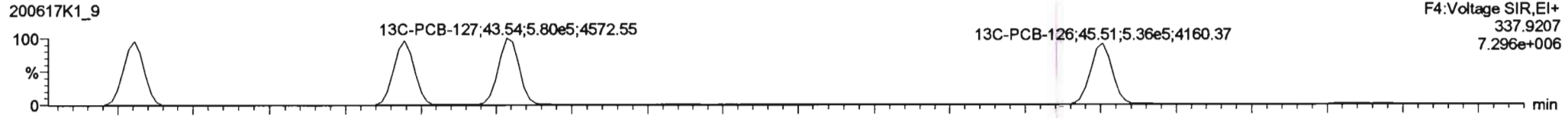
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Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

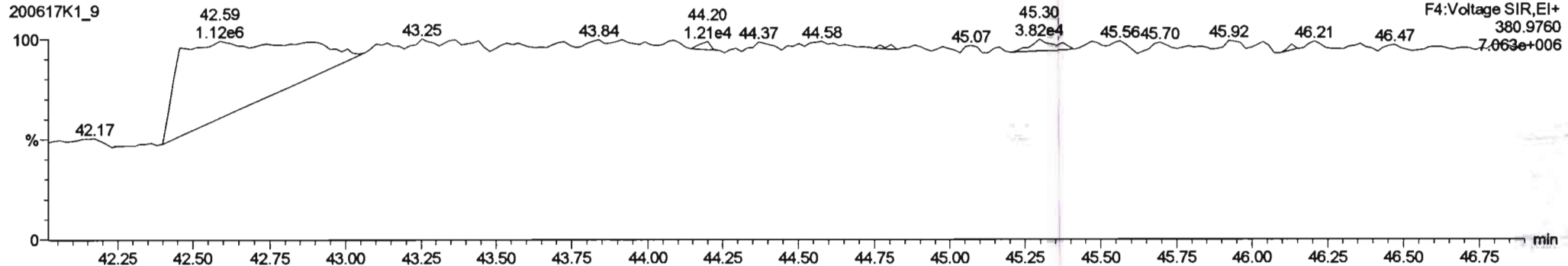
**PCB-114**



**13C-PCB-114**

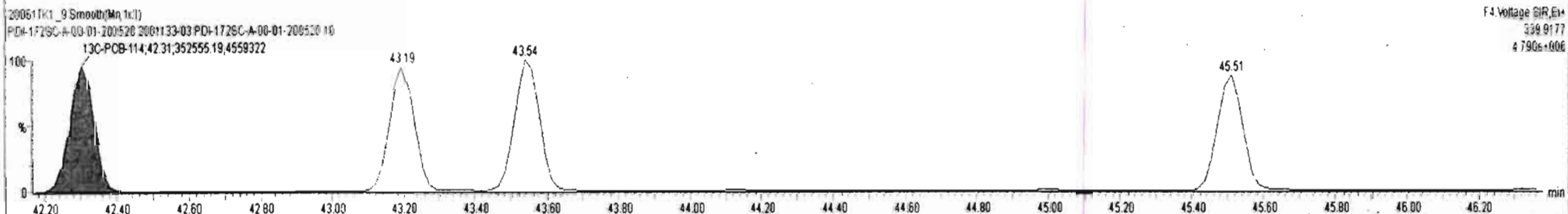
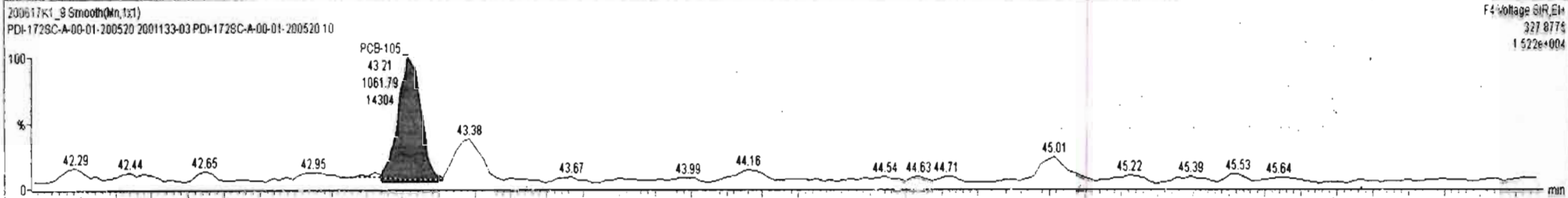
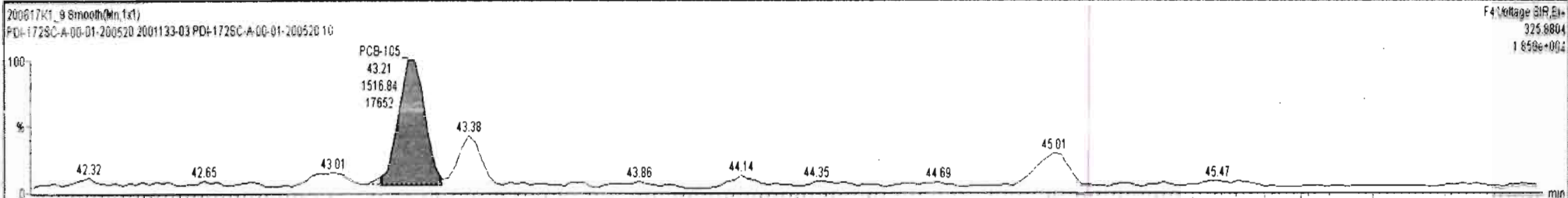


**PFK4a**



#	Name	Resp	RA	n/y	RRF	w/wct	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.3157	5.822	0.00		0.000		NO	230.5		10.6	233.8
230	230 4th Function Penta-PCBs				1.0735	5.822	0.00		0.000		NO	4.659		1.52	4.659
231	231 3rd Function Hexa-PCBs				0.9505	5.822	0.00		0.000		NO	130.3		3.46	144.9
232	232 1st Function Hexa-PCBs				1.0715	5.822	0.00		0.000		NO	168.4		5.13	178.6

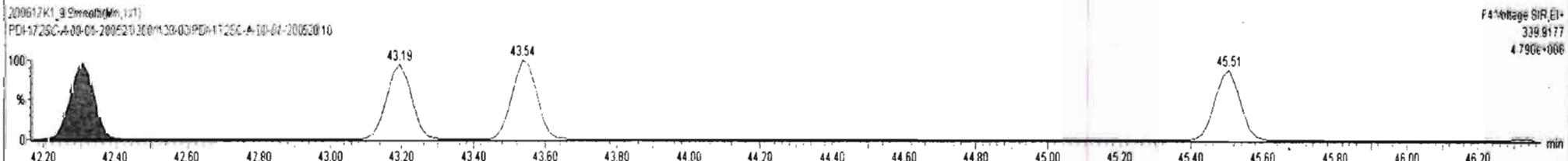
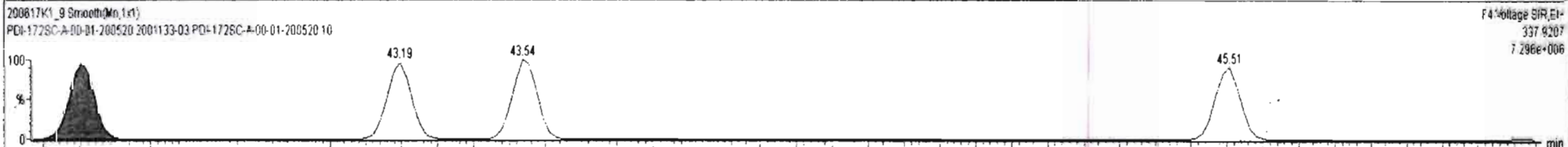
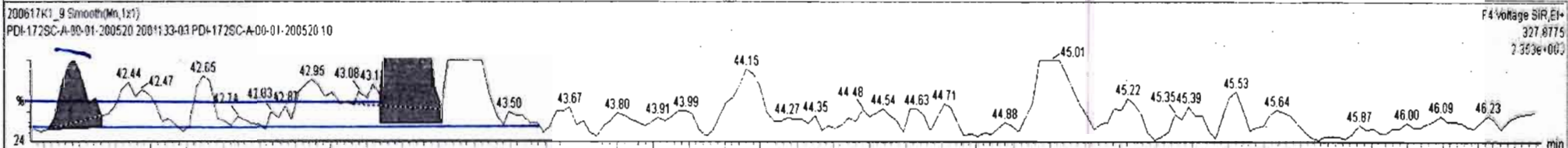
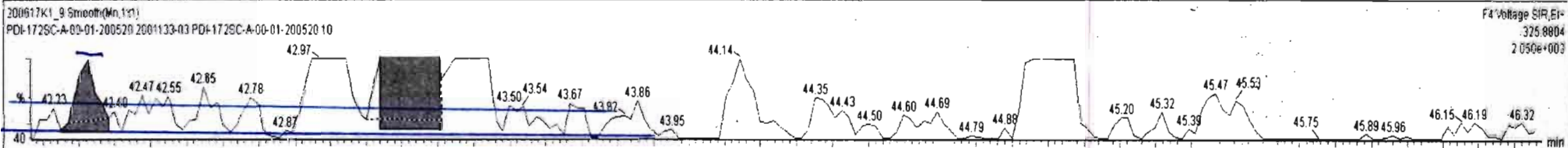
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	95 PCB-105	43.21	43.21	1.517e3	1.062e3	1.550	1.43	NO	4.6591	4.6591





#	Name	Resp	RA	nly	RRF	wt/Mol	Pred.RT	RT	Pred.R.	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.3157	5.822	0.00		0.000		NO	230.5		10.6	233.8
230	230 4th Function Penta-PCBs				1.0735	5.822	0.00		0.000		NO	4.659		1.52	4.864
231	231 3rd Function Hexa-PCBs				0.9505	5.822	0.00		0.000		NO	130.3		3.46	144.9
232	232 4th Function Hexa-PCBs				1.0716	5.822	0.00		0.000		NO	165.4		5.13	178.5

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	93 PCB-114	42.33	42.32	7.496e1	1.246e2	1.560	0.60	YES	0.20537	0.00000
2	95 PCB-105	43.21	43.21	1.517e3	1.062e3	1.550	1.43	NO	4.6591	4.6591



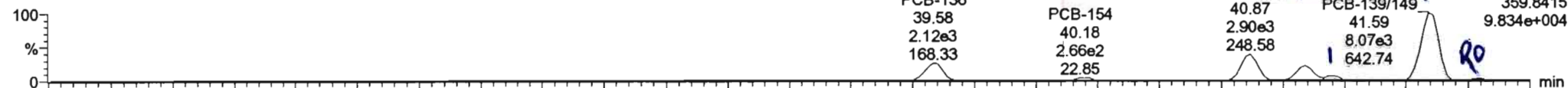
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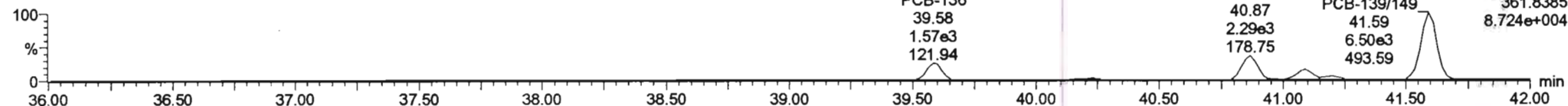
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PCB-155

200617K1\_9

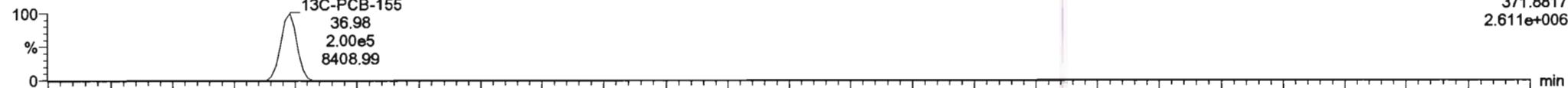


200617K1\_9

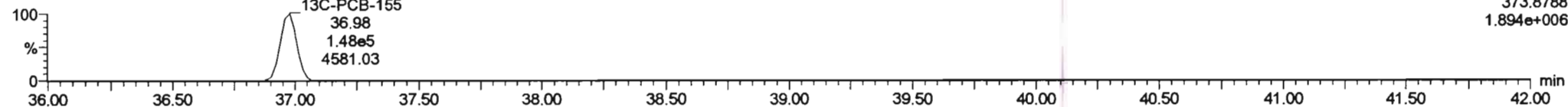


13C-PCB-155

200617K1\_9

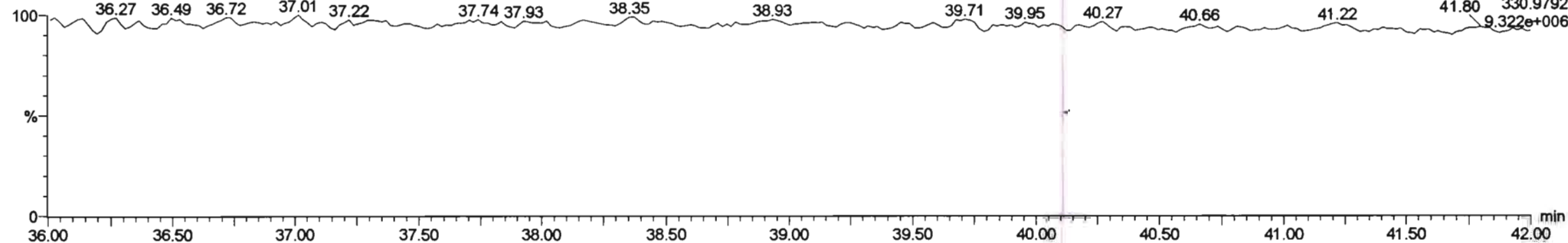


200617K1\_9



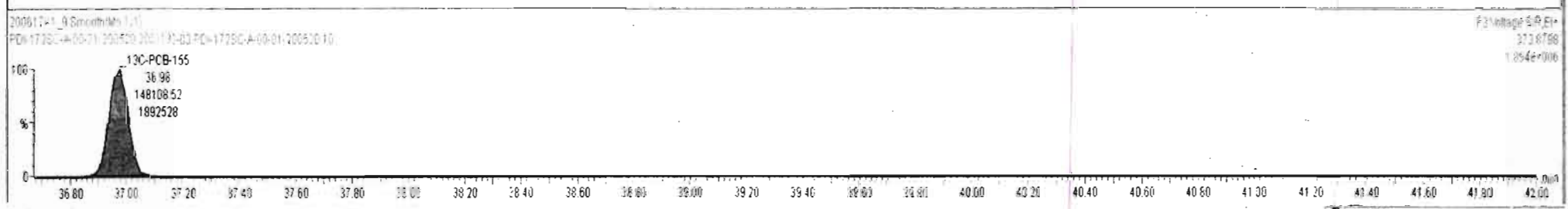
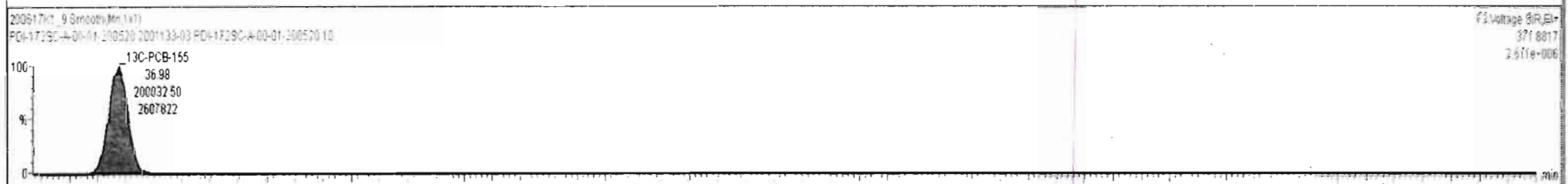
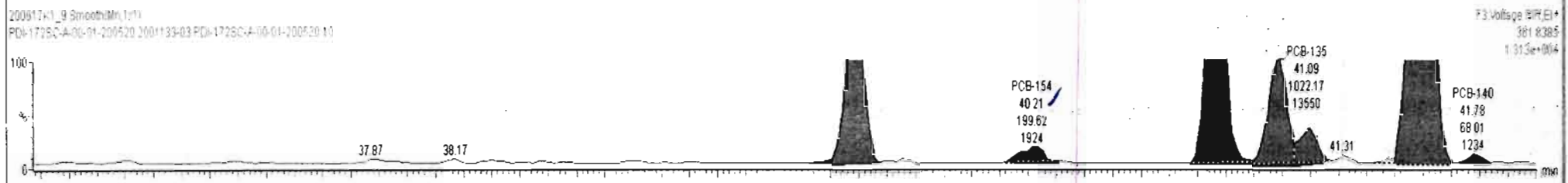
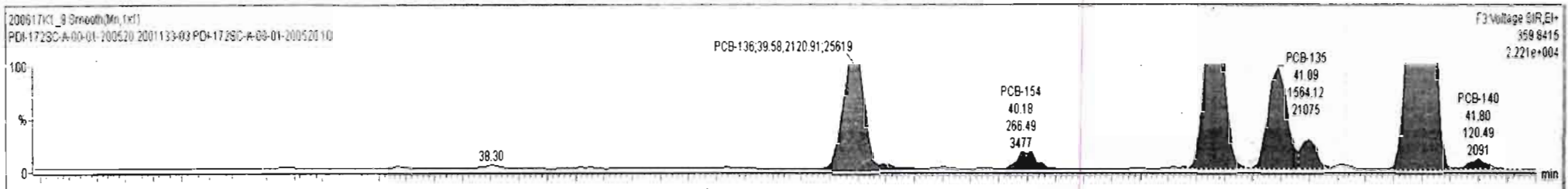
PFK3c

200617K1\_9



#	Name	Resp	RA	nly	RRF	wArd	Pred_RT	RT	Pred_R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.9505	5.822	0.00		0.000		NO	133.6		3.46	146.8
232	232 4th Function Hexa-PCBs				1.0316	5.822	0.00		0.000		NO	166.4		5.13	178.6
233	233 Total Hepta-PCBs				1.3551	5.822	0.00		0.000		NO	125.3		5.55	130.9
234	234 4th Function Octa-PCBs				1.0008	5.822	0.00		0.000		NO	8.235		2.11	21.30

#	Name	Pred_RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	nly	EMPC	Conc.
1	102 PCB-136	39.80	39.58	2.121e3	1.568e3	1.240	1.35	NO	17.826	17.826
2	104 PCB-154	40.22	40.18	2.665e2	1.996e2	1.240	1.33	NO	2.5024	2.5024
3	105 PCB-151	40.88	40.87	2.906e3	2.337e3	1.240	1.24	NO	32.891	32.891
4	106 PCB-135	41.09	41.09	1.564e3	1.022e3	1.240	1.53	YES	12.248	0.00000
5	107 PCB-144	41.20	41.20	4.355e2	3.293e2	1.240	1.32	NO	4.7826	4.7826
6	109 PCB-139/149	41.52	41.59	8.056e3	6.465e3	1.240	1.25	NO	75.589	75.589
7	110 PCB-140	41.80	41.80	1.205e2	6.801e1	1.240	1.77	YES	0.94707	0.00000

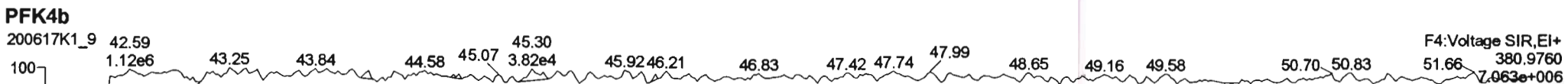
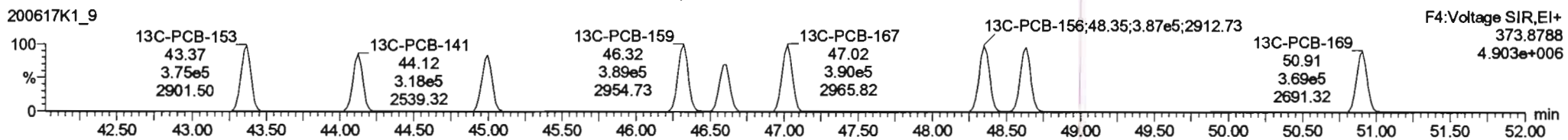
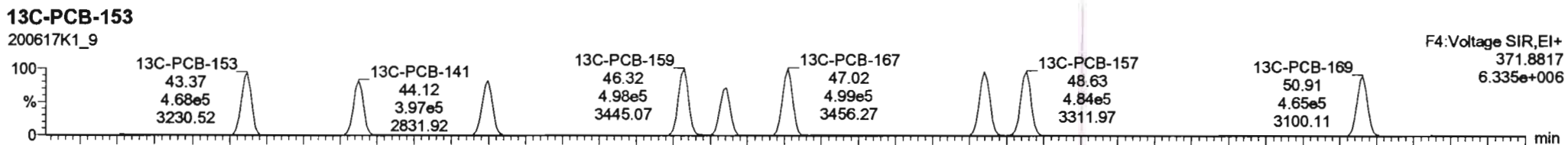
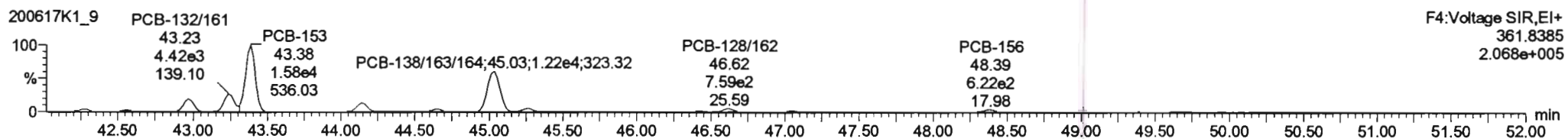
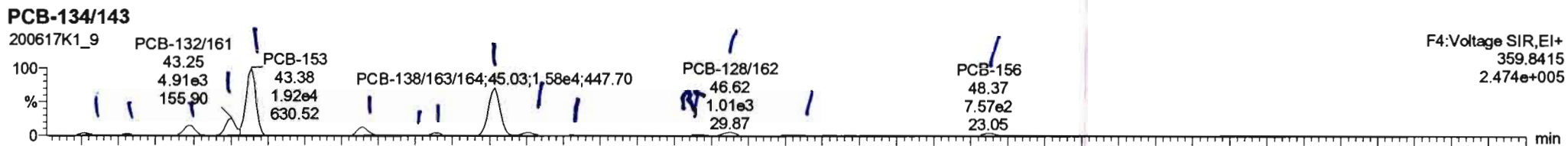


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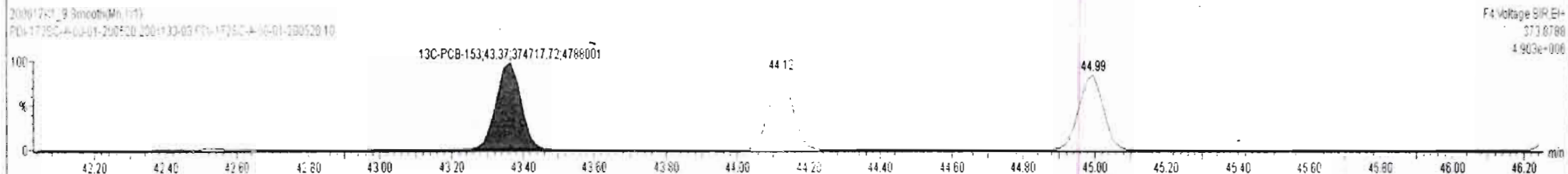
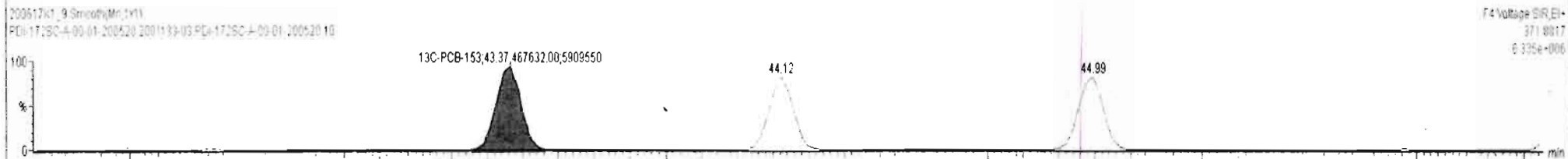
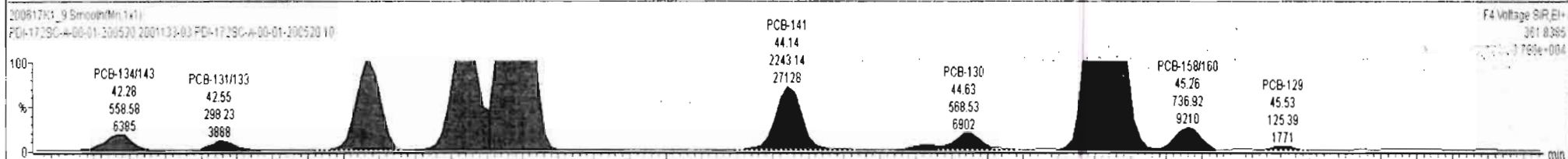
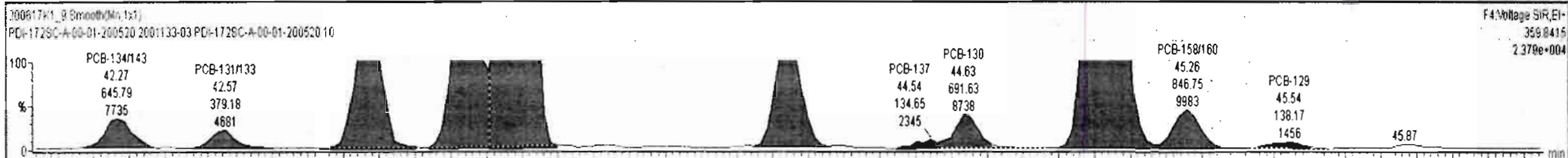
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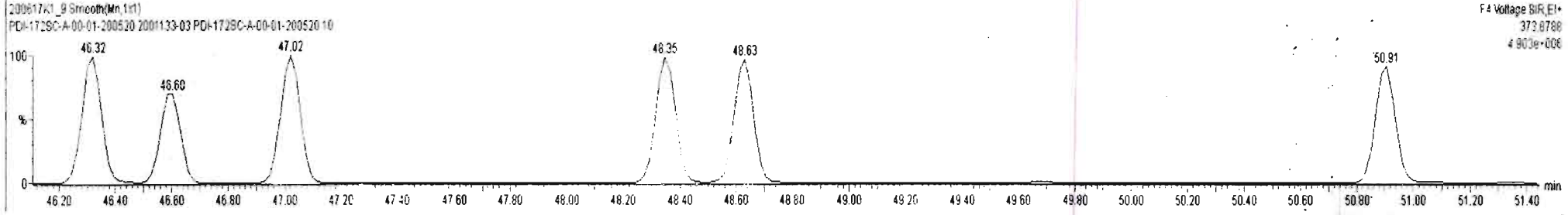
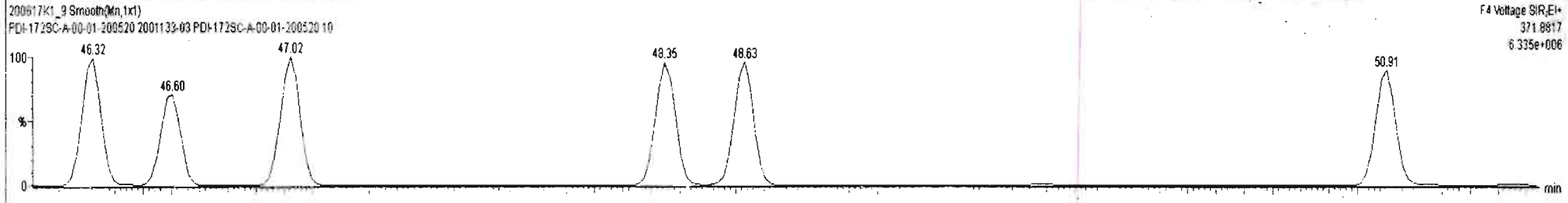
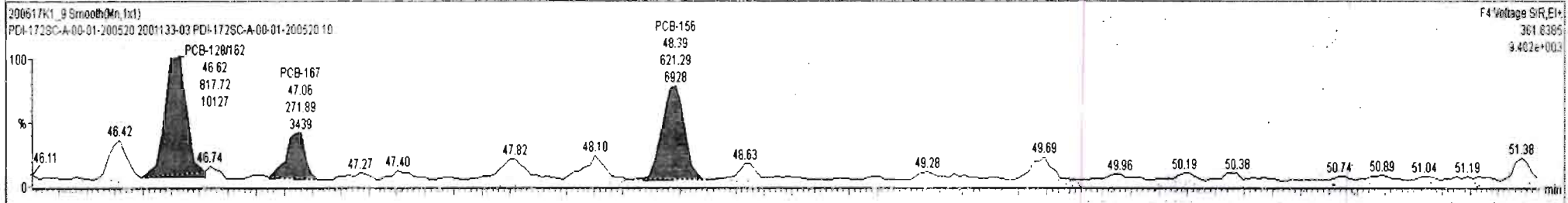
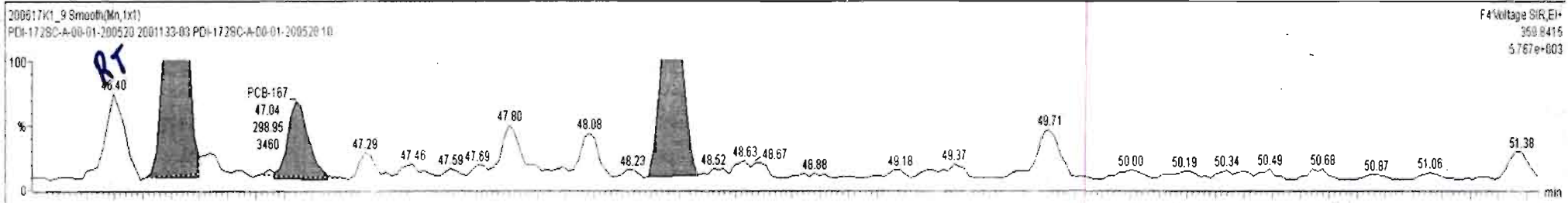
#	Name	Resp	RA	nly	RRF	wtVol	PredRT	RT	PredR...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.9505	5.822	0.00		0.000		NO	133.6		3.46	146.8
232	232 4th Function Hexa-PCBs				1.0316	5.822	0.00		0.000		NO	180.1		5.13	180.1
233	233 Total Hepta-PCBs				1.3551	5.822	0.00		0.000		NO	125.3		5.55	130.9
234	234 4th Function Octa-PCBs				1.0000	5.822	0.00		0.000		NO	8.75		2.11	21.90

#	Name	PredRT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	111 PCB-134/143	42.28	42.27	6.459e2	5.586e2	1.240	1.16	NO	3.2359	3.2359
2	112 PCB-131/133	42.58	42.57	3.792e2	2.982e2	1.240	1.27	NO	1.6829	1.6829
3	114 PCB-146/165	42.97	42.97	3.067e3	2.868e3	1.240	1.07	NO	11.903	11.903
4	115 PCB-132/161	43.20	43.25	4.988e3	4.417e3	1.240	1.13	NO	18.726	18.726
5	116 PCB-153	43.38	43.38	1.933e4	1.578e4	1.240	1.23	NO	66.668	66.668
6	118 PCB-141	44.14	44.14	2.440e3	2.243e3	1.240	1.09	NO	10.960	10.960
7	119 PCB-137	44.54	44.54	1.347e2	1.224e2	1.240	1.10	NO	0.55604	0.55604
8	120 PCB-130	44.64	44.63	6.916e2	5.685e2	1.240	1.22	NO	3.4195	3.4195
9	121 PCB-138/163/164	45.03	45.03	1.579e4	1.220e4	1.240	1.29	NO	50.935	50.935
10	122 PCB-158/160	45.26	45.26	8.467e2	7.369e2	1.240	1.15	NO	2.9621	2.9621
11	123 PCB-129	45.54	45.54	1.382e2	1.254e2	1.240	1.10	NO	0.71007	0.71007



#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0735	5.822	0.00		0.000		NO	4.659		1.52	4.659
231	231 3rd Function Hexa-PCBs				0.9505	5.822	0.00		0.000		NO	133.6		3.46	146.6
232	232 4th Function Hexa-PCBs				1.0316	5.822	0.00		0.000		NO	179.3		5.13	179.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
11	123 PCB-129	45.54	45.54	1.382e2	1.254e2	1.240	1.10	NO	0.71007	0.71007
12	126 PCB-128/162	46.63	46.62	1.031e3	8.177e2	1.240	1.26	NO	3.9466	3.9466
13	127 PCB-167	47.04	47.04	2.969e2	2.719e2	1.240	1.10	NO	0.99423	0.99423



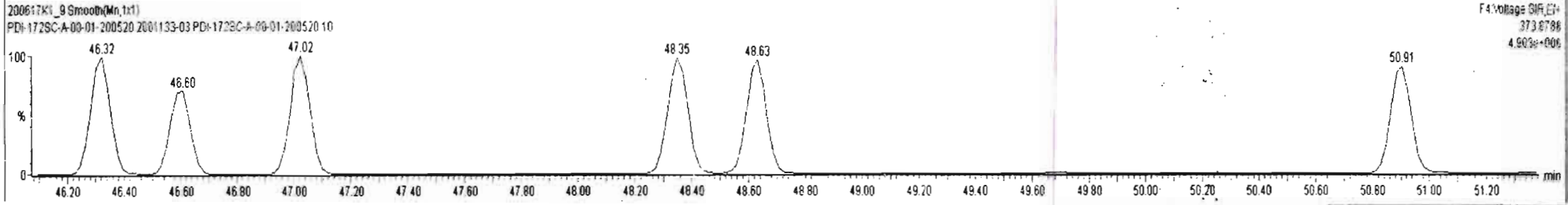
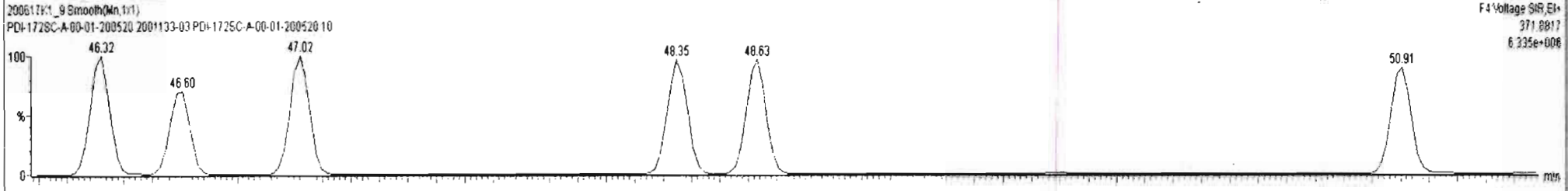
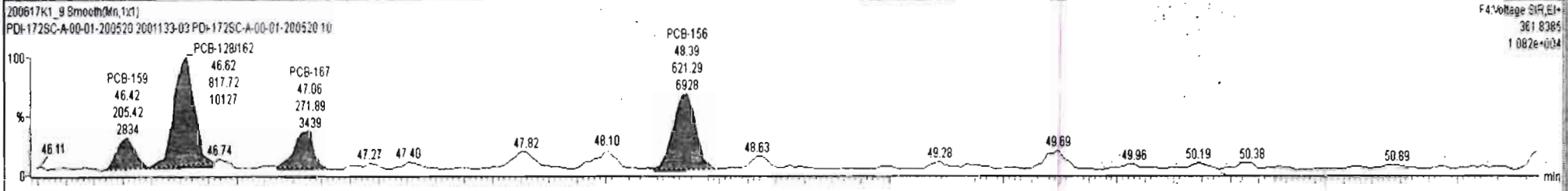
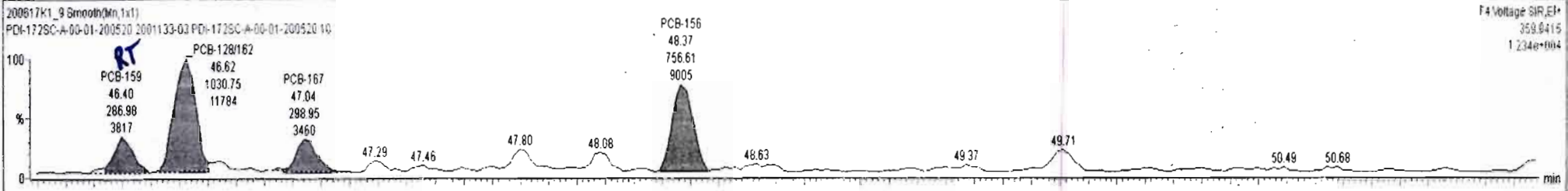


200617K1\_9-2001133-03.FD+1725C-A-00-01-200520\_10 - PD+1725C-A-00-01-200520

#	Name	Resp	RA	nly	RRF	wt/Mol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.9505	5.822	0.00	0.000			NO	133.6		3.46	146.8
232	232 4th Function Hexa-PCBs				1.0316	5.822	0.00	0.000			NO	180.3		5.13	180.3
233	233 Total Hepta-PCBs				1.3551	5.822	0.00	0.000			NO	125.3		5.55	130.9
734	734 4th Function Octa-PCBs				1.0008	5.822	0.00	0.000			NO	8.935		2.11	21.30

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
12	125 PCB-159	46.34	46.40	2.870e2	2.054e2	1.240	1.40	NO	0.78422	0.78422
13	126 PCB-128/162	46.53	46.62	1.031e3	8.177e2	1.240	1.26	NO	3.9466	3.9466
14	127 PCB-167	47.04	47.04	2.989e2	2.719e2	1.240	1.10	NO	0.99423	0.99423
15	128 PCB-156	48.37	48.37	7.568e2	6.213e2	1.240	1.22	NO	2.4048	2.4048

*0.06 late*

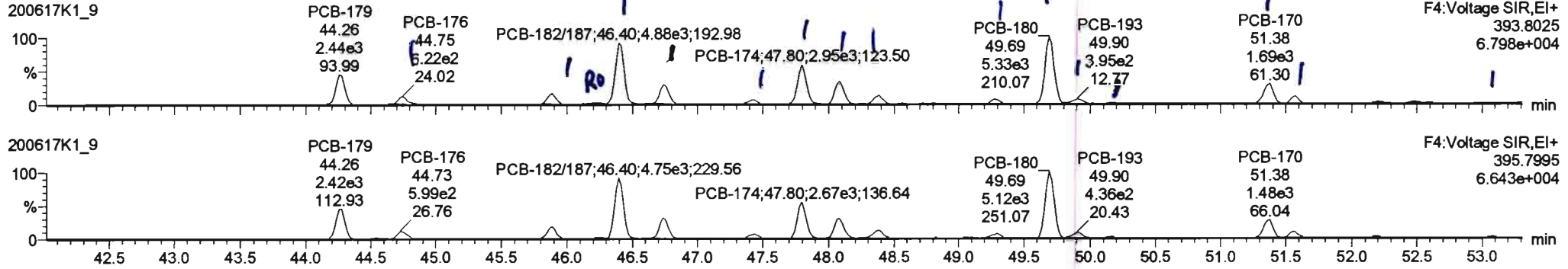


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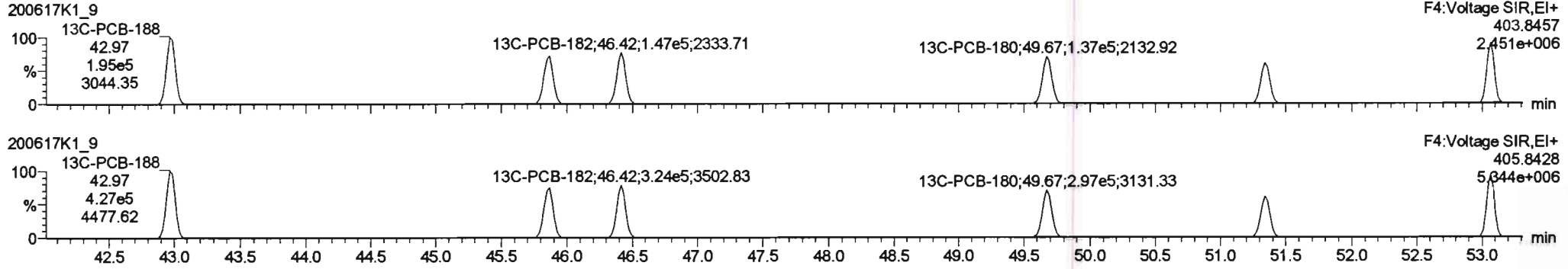
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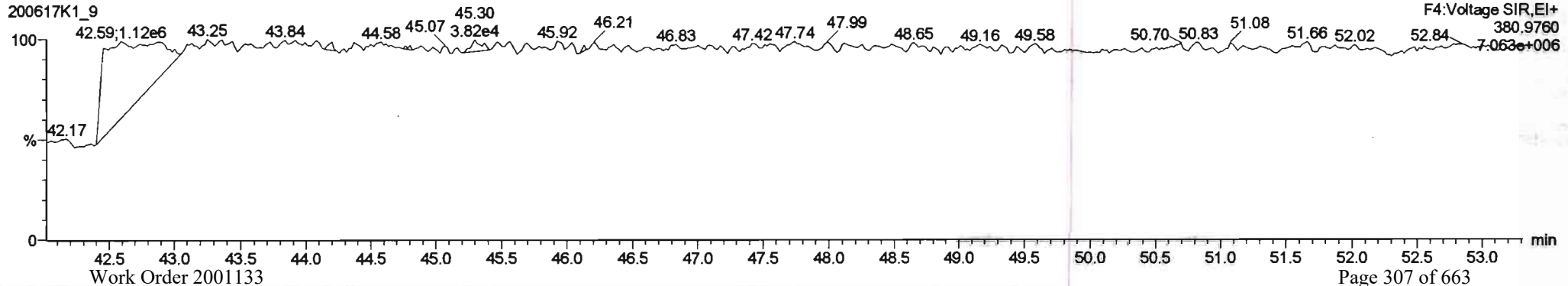
**PCB-188**



**13C-PCB-188**

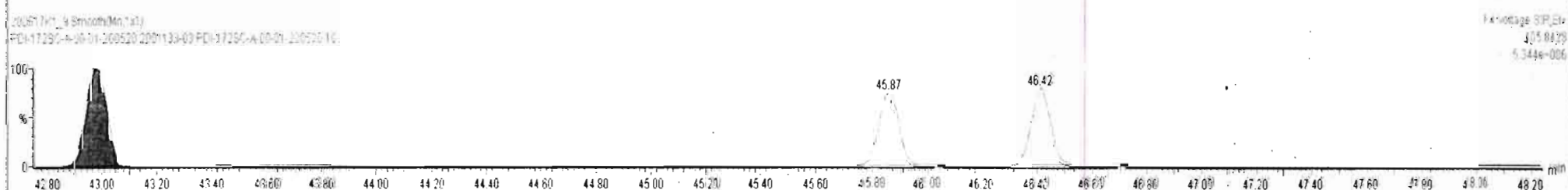
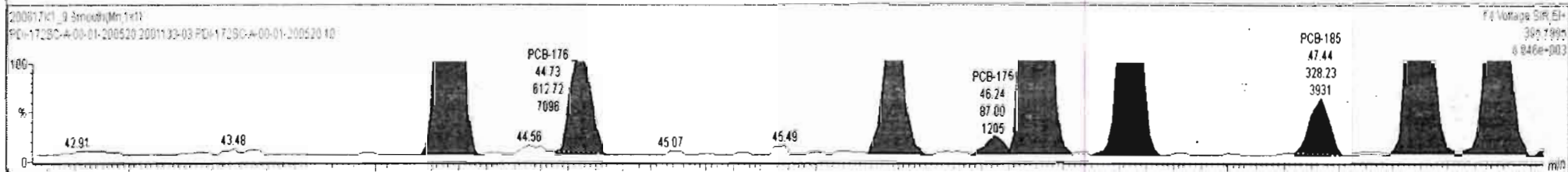
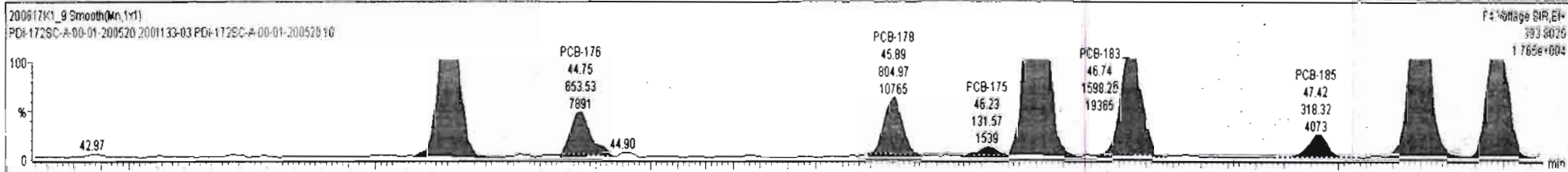


**PFK4c**



#	Name	Resp	RA	n/y	RFF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.9505	5.822	0.00		0.000		NO	133.6		3.46	146.8
232	232 4th Function Hexa-PCBs				1.0316	5.822	0.00		0.000		NO	180.1		5.13	180.1
233	233 Total Hepta-PCBs				1.3551	5.822	0.00		0.000		NO	130.3		5.55	131.6
234	234 4th Function Octa-PCBs				1.0000	5.822	0.00		0.000		NO	8.335		2.11	21.30

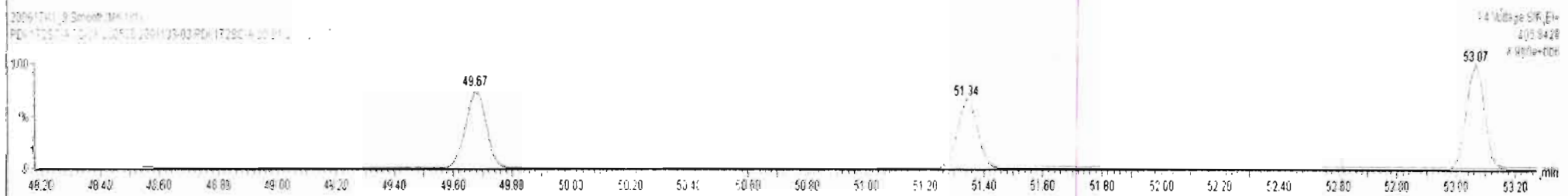
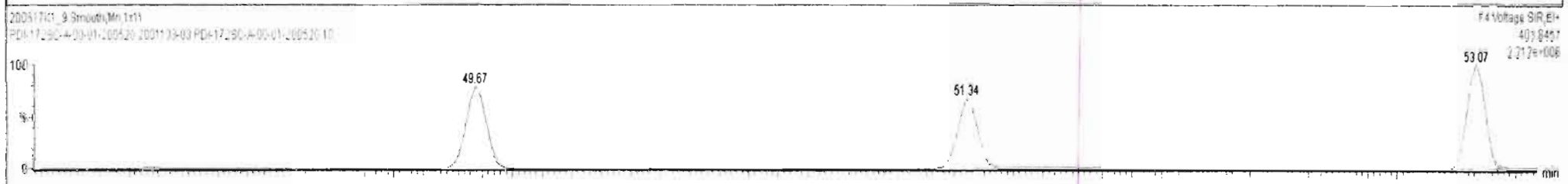
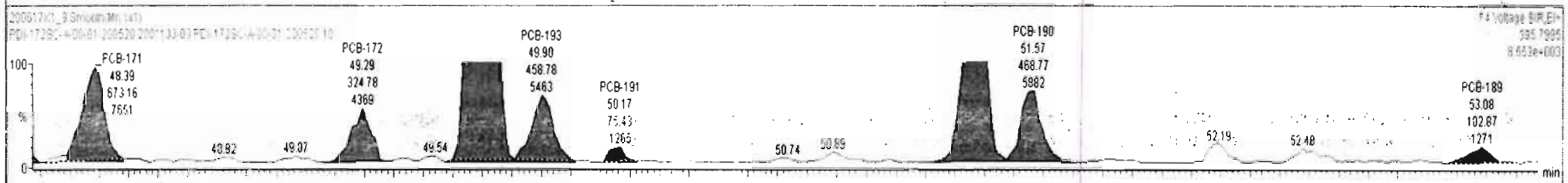
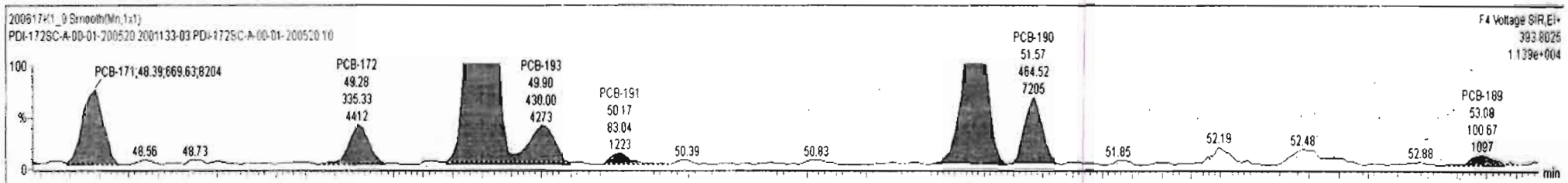
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	133 PCB-179	44.26	44.26	2.440e3	2.419e3	1.050	1.01	NO	10.337	10.337
2	134 PCB-176	44.72	44.75	6.535e2	6.127e2	1.050	1.07	NO	2.6717	2.6717
3	136 PCB-178	45.87	45.89	8.090e2	8.779e2	1.050	0.92	NO	4.9263	4.9263
4	137 PCB-175	46.22	46.23	1.316e2	8.700e1	1.050	1.51	YES	0.51500	0.00000
5	138 PCB-182/187	46.40	46.40	4.877e3	4.755e3	1.050	1.03	NO	24.943	24.943
6	138 PCB-183	46.74	46.74	1.598e3	1.600e3	1.050	1.00	NO	8.6335	8.6335
7	140 PCB-185	47.42	47.42	3.183e2	3.282e2	1.050	0.97	NO	1.8203	1.8203
8	141 PCB-174	47.81	47.80	2.955e3	2.674e3	1.050	1.11	NO	16.455	16.455
9	143 PCB-177	48.06	48.08	1.828e3	1.624e3	1.050	1.13	NO	10.693	10.693





#	Name	Resp	RA	nly	RRF	wtArd	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.822	0.00		0.000		NO	131.6		5.55	132.1
234	234 4th Function Octa-PCBs				1.0008	5.822	0.00		0.000		NO	8.335		2.11	21.30
235	235 5th Function Octa-PCBs				1.1499	5.822	0.00		0.000		NO	5.321		0.70e	7.041

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
10	144 PCB-171	48.36	48.39	6.696e2	6.732e2	1.050	0.99	NO	4.0376	4.0376
11	146 PCB-172	49.28	49.29	3.353e2	3.248e2	1.050	1.03	NO	1.8996	1.8996
12	148 PCB-180	49.69	49.69	5.376e3	5.158e3	1.050	1.04	NO	29.532	29.532
13	149 PCB-193	49.90	49.90	4.300e2	4.588e2	1.050	0.94	NO	2.0977	2.0977
14	150 PCB-191	50.17	50.17	8.304e1	7.543e1	1.050	1.10	NO	0.36673	0.36673
15	151 PCB-170	51.36	51.38	1.687e3	1.475e3	1.050	1.14	NO	10.361	10.361
16	152 PCB-190	51.55	51.57	4.645e2	4.688e2	1.050	0.99	NO	2.3136	2.3136
17	153 PCB-189	53.09	53.08	1.007e2	1.029e2	1.050	0.98	NO	0.49009	0.49009



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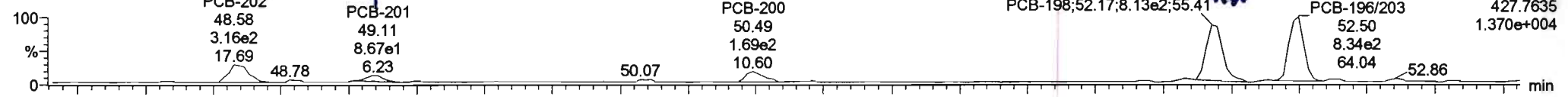
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*# 07-01-2020*

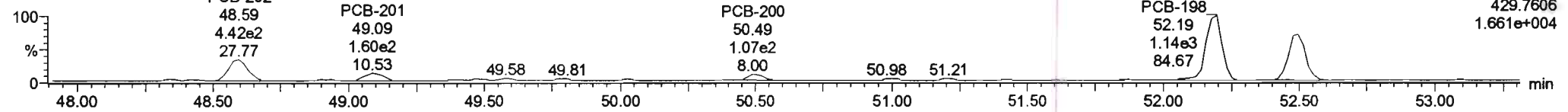
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**PCB-202**

200617K1\_9

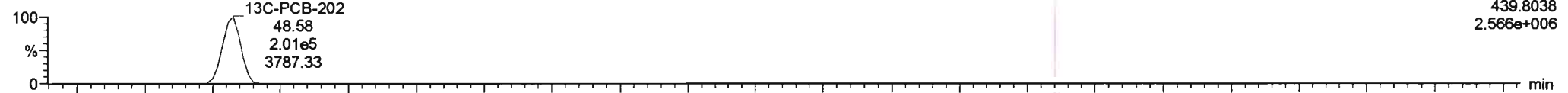


200617K1\_9

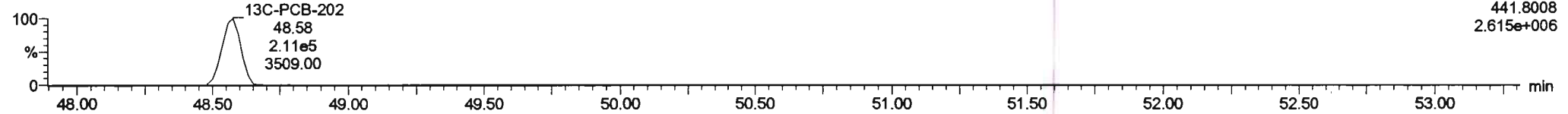


**13C-PCB-202**

200617K1\_9

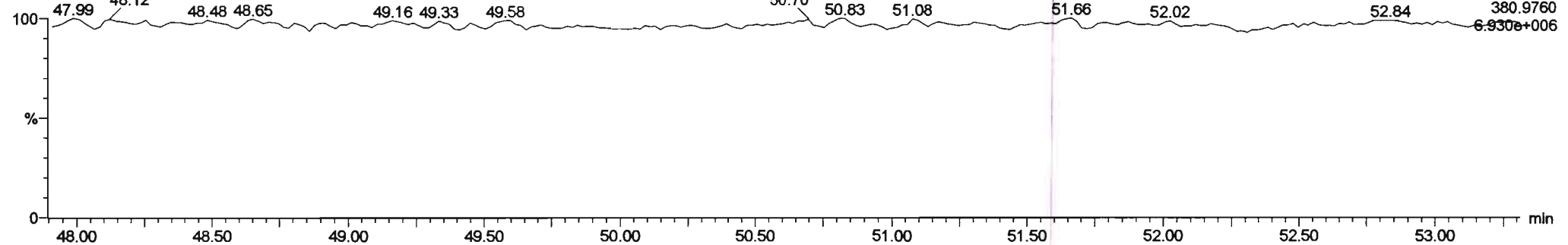


200617K1\_9



**PFK4d**

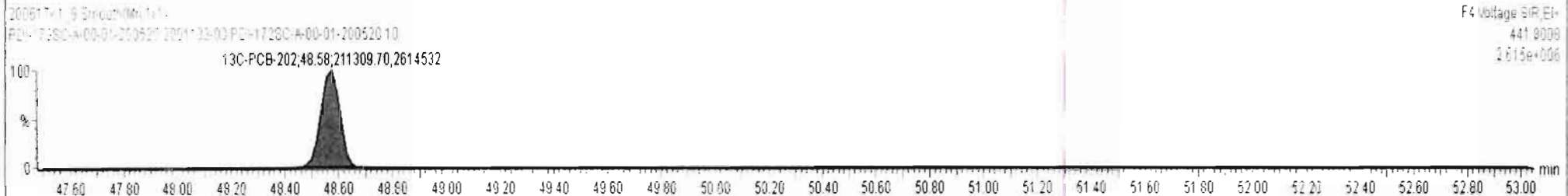
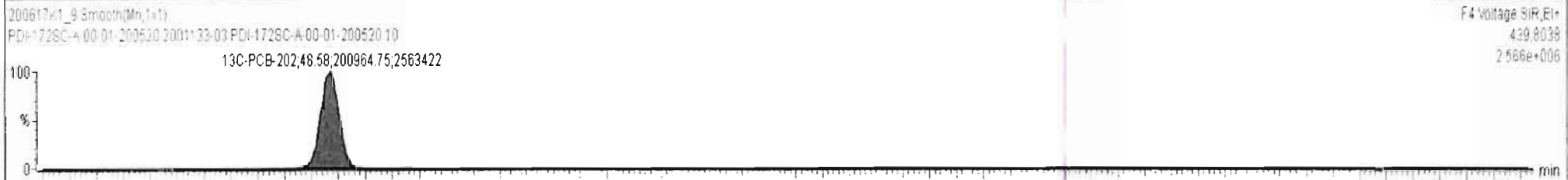
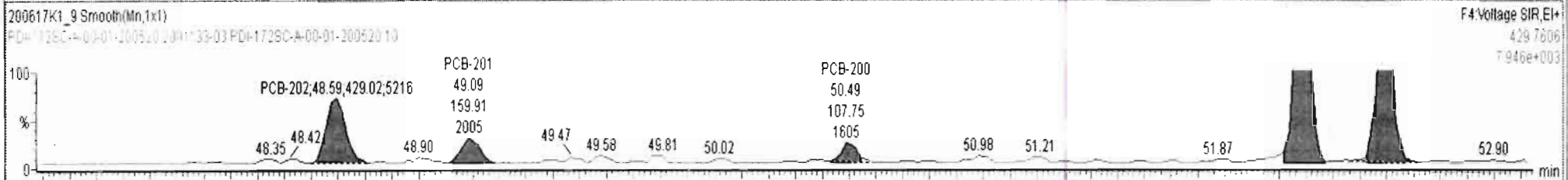
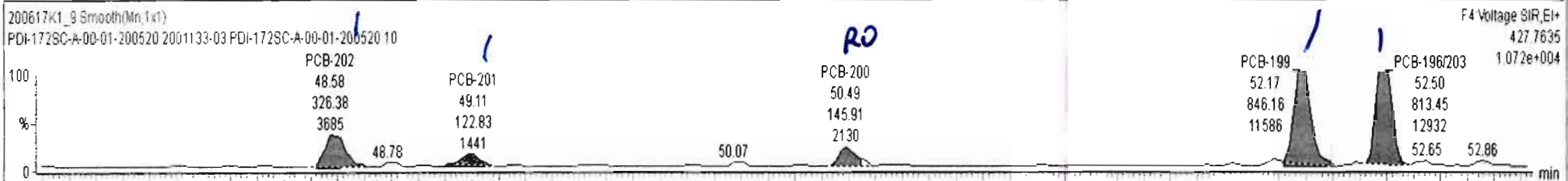
200617K1\_9



200617K1\_9 - 2001133-03 PDI-172SC-A-00-01-200520 10 - PDI-172SC-A-00-01-200520

#	Name	Resp	RA	n/y	RRF	wtAol	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
234	4th Function Octa-PCBs				1.0008	5.822	0.00		0.000		NO	22.07		2.11	22.86

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	154 PCB-202	48.61	48.58	3.264e2	4.290e2	0.890	0.76	NO	2.6939	2.6939
2	155 PCB-201	49.10	49.11	1.228e2	1.599e2	0.890	0.77	NO	1.1189	1.1189
3	158 PCB-200	50.50	50.49	1.459e2	1.078e2	0.890	1.35	YES	0.79271	0.00000
4	160 PCB-199	52.16	52.17	8.462e2	1.087e3	0.890	0.78	NO	9.9526	9.9526
5	161 PCB-196/203	52.50	52.50	8.134e2	8.569e2	0.890	0.95	NO	8.3025	8.3025





BS1  
↓

200617K1\_2-B0F0004-BS1 OPR 10 - OPR

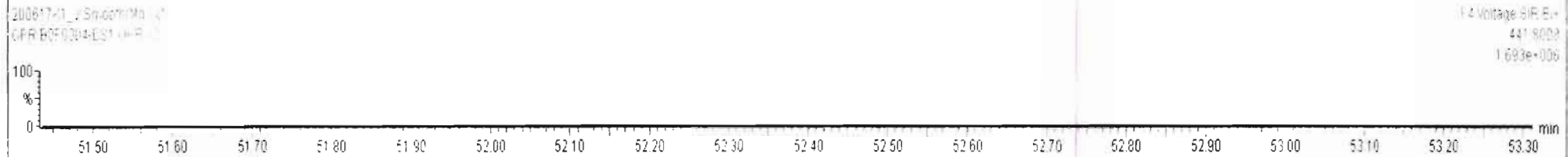
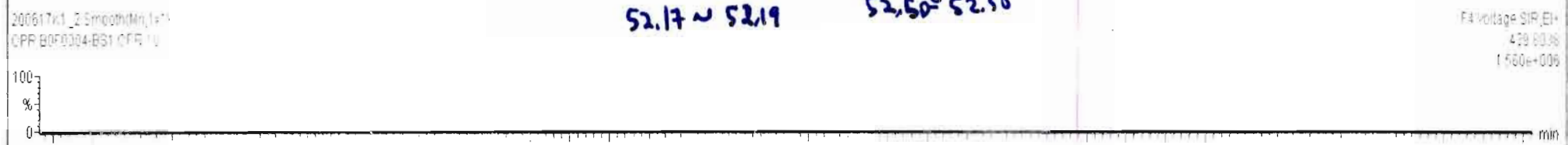
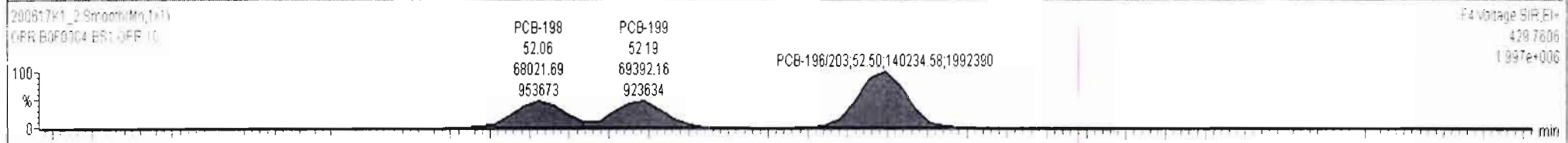
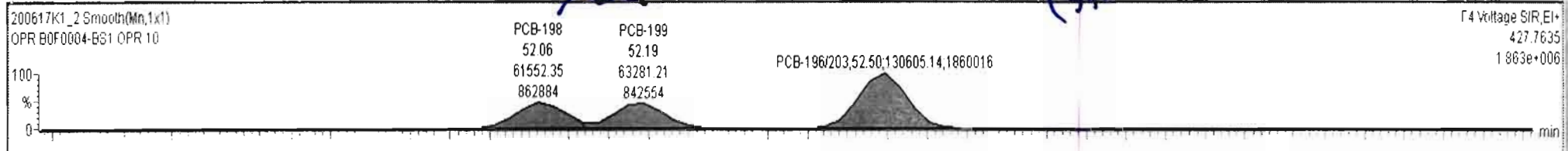
#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fat	Conc.	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				1.0008	5.000	0.00		0.000		NO	11120		5.74	11120

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	154 PCB-202	48.61	48.59	8.500e4	9.082e4	0.890	0.94	NO	1174.6	1174.6
2	155 PCB-201	49.10	49.08	7.884e4	8.327e4	0.890	0.95	NO	1201.8	1201.8
3	156 PCB-204	49.24	49.26	8.465e4	9.403e4	0.890	0.90	NO	1222.3	1222.3
4	157 PCB-197	49.57	49.56	8.510e4	8.975e4	0.890	0.95	NO	1204.9	1204.9
5	158 PCB-200	50.50	50.51	8.111e4	8.914e4	0.890	0.91	NO	1241.4	1241.4
6	159 PCB-198	52.08	52.06	6.155e4	6.802e4	0.890	0.90	NO	1273.9	1273.9
7	160 PCB-199	52.18	52.19	6.328e4	6.939e4	0.890	0.91	NO	1279.5	1279.5
8	161 PCB-196/203	52.50	52.50	1.306e5	1.402e5	0.890	0.93	NO	2521.8	2521.8

DWY  
Exhibit  
only

diff. =  
0.17 min

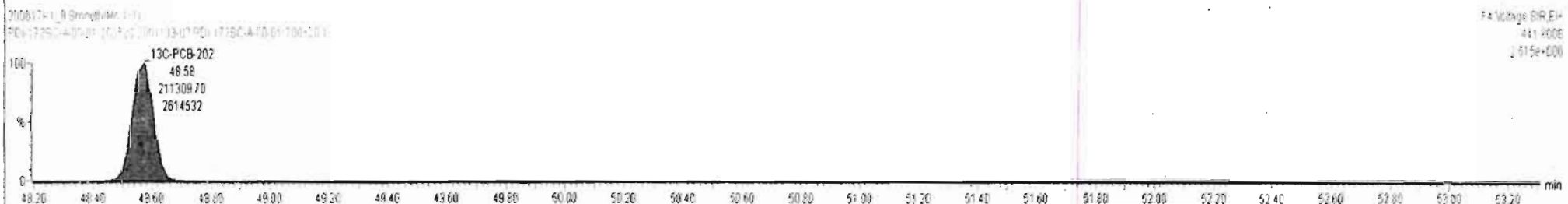
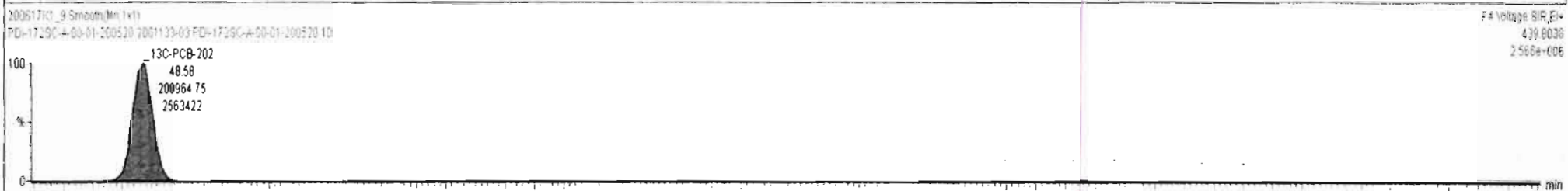
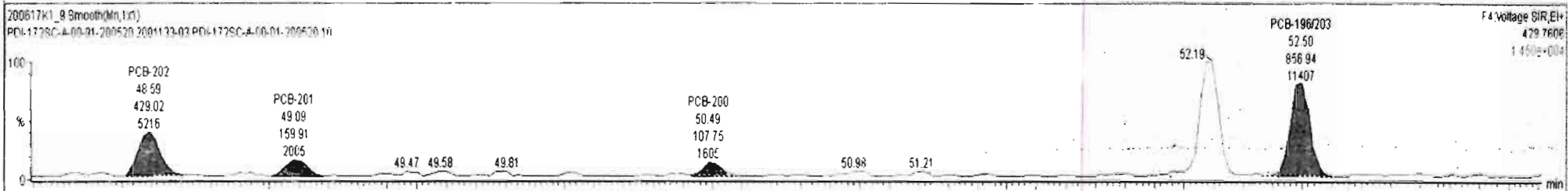
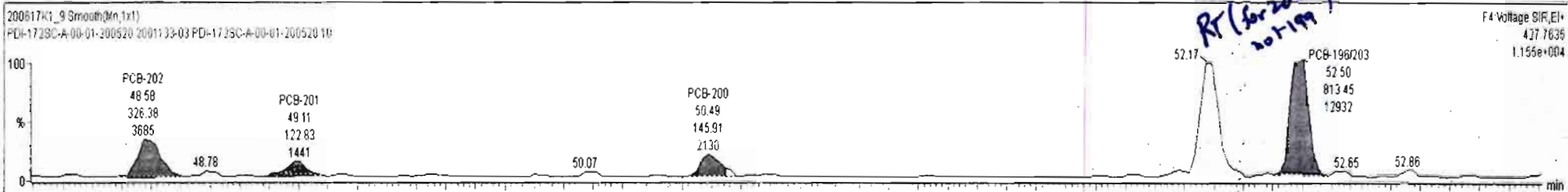
(\* Standards)



52.17 ~ 52.19      52.50 ~ 52.50

#	Name	Resp	RA	nly	RFF	wtVol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.822	0.00		0.000		NO	131.6		5.55	132.1
234	234 4th Function Octa-PCBs				1.0008	5.822	0.00		0.000		NO	12.12		2.11	12.91
235	235 5th Function Octa-PCBs				1.1499	5.822	0.00		0.000		NO	5.253		0.708	6.970

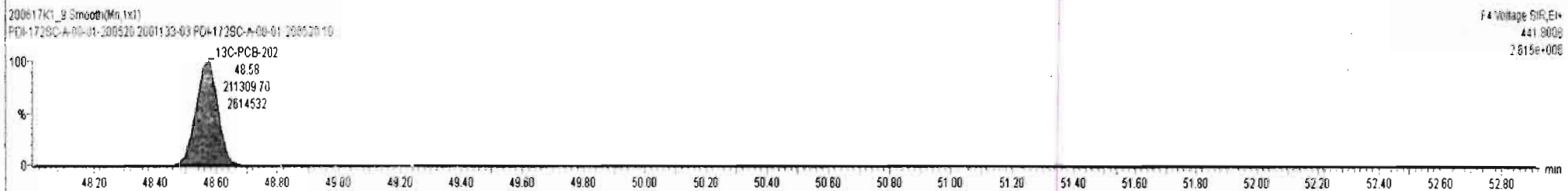
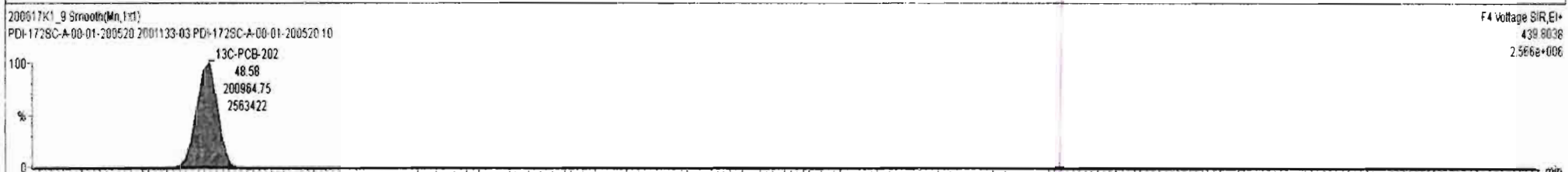
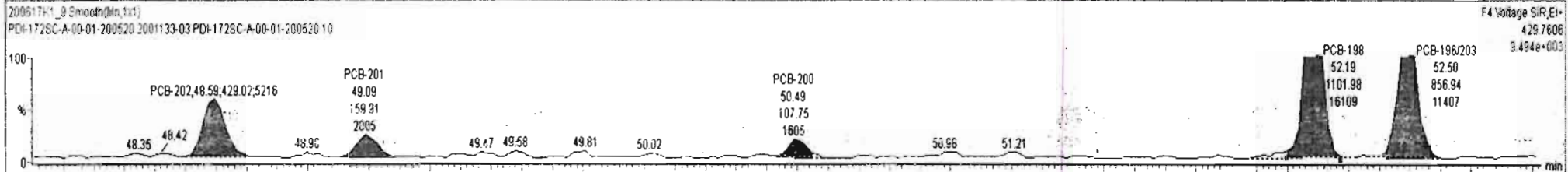
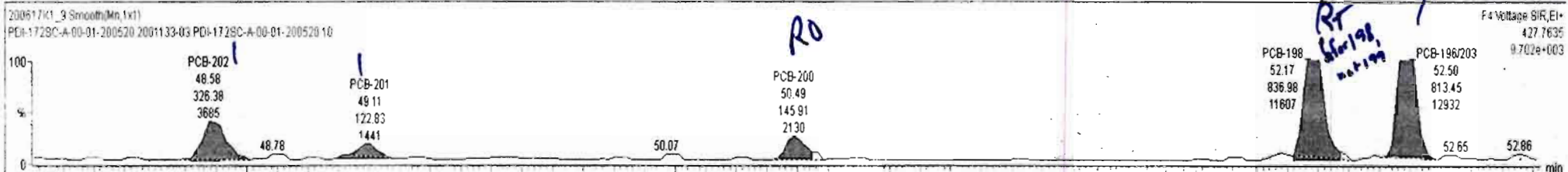
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	154 PCB-202	48.51	48.58	3.264e2	4.290e2	0.890	0.76	NO	2.6939	2.6939
2	155 PCB-201	49.10	49.11	1.228e2	1.599e2	0.890	0.77	NO	1.1189	1.1189
3	158 PCB-200	50.50	50.49	1.459e2	1.078e2	0.890	1.35	YES	0.79271	0.00000
4	161 PCB-196/203	52.50	52.50	8.134e2	8.569e2	0.890	0.95	NO	8.3025	8.3025



#	Name	Resp	RA	nly	RRF	wtAval	Pred RT	RT	Pred R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.822	0.00		0.000		NO	131.6		5.55	132.1
234	234 4th Function Octa-PCBs				1.0008	5.822	0.00		0.000		NO	22.29		2.11	23.03
235	235 5th Function Octa-PCBs				1.1499	5.822	0.00		0.000		NO	5.321		0.708	7.041

#	Name	Pred RT	RT	m1 Resp	m2 Resp	I* Ratio (Pred)	RA	nly	EMPC	Conc.
1	154 PCB-202	48.61	48.58	3.264e2	4.290e2	0.890	0.76	NO	2.6939	2.6939
2	155 PCB-201	49.10	49.11	1.228e2	1.599e2	0.890	0.77	NO	1.1189	1.1189
3	158 PCB-200	50.50	50.49	1.459e2	1.078e2	0.890	1.35	YES	0.79271	0.00000
4	159 PCB-198	52.08	52.17	8.370e2	1.102e3	0.890	0.75	NO	10.176	10.176
5	161 PCB-196/203	52.50	52.50	8.134e2	8.569e2	0.890	0.95	NO	8.3025	8.3025

0.091072



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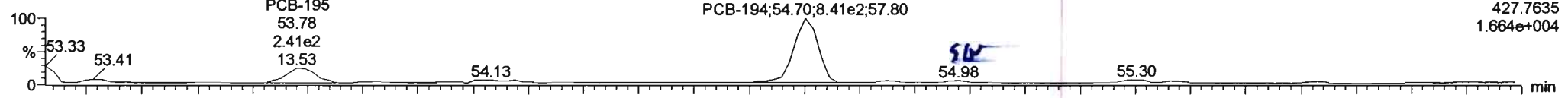
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Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

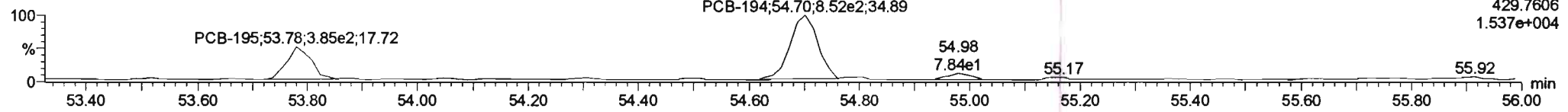
**PCB-195**

200617K1\_9



F5:Voltage SIR,EI+  
427.7635  
1.664e+004

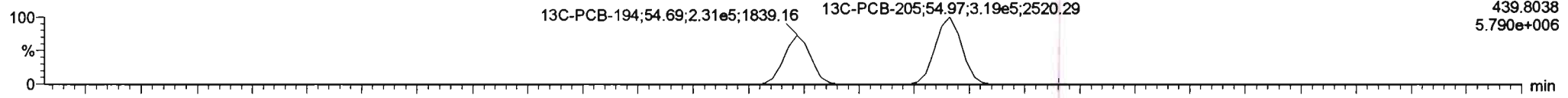
200617K1\_9



F5:Voltage SIR,EI+  
429.7606  
1.537e+004

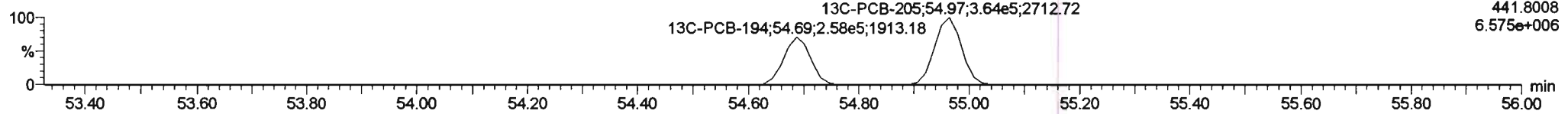
**13C-PCB-194**

200617K1\_9



F5:Voltage SIR,EI+  
439.8038  
5.790e+006

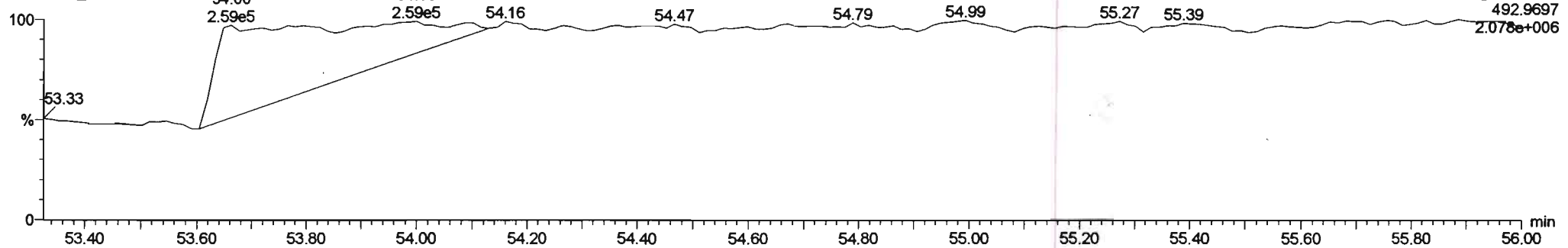
200617K1\_9



F5:Voltage SIR,EI+  
441.8008  
6.575e+006

**PFK5a**

200617K1\_9

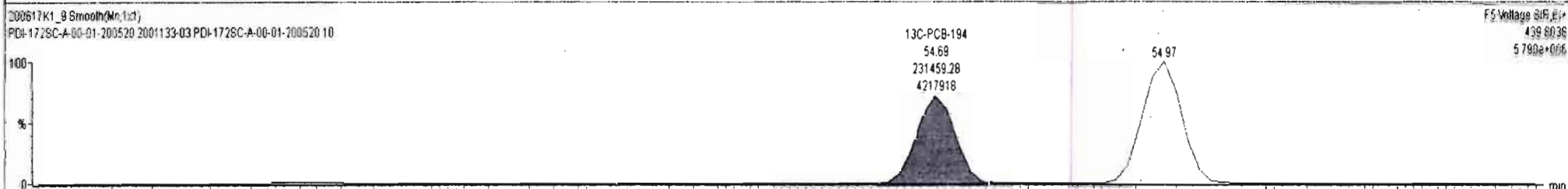
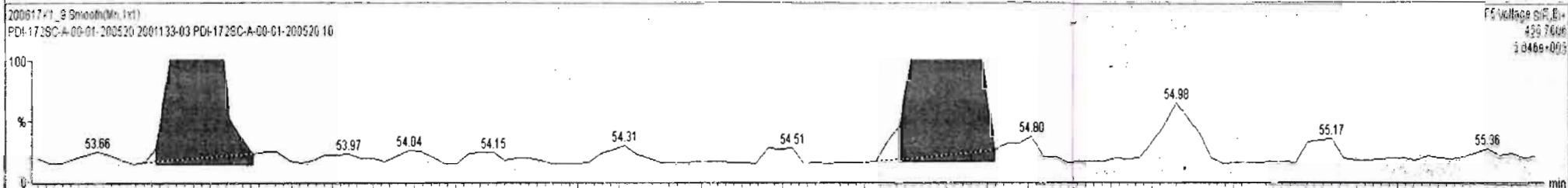
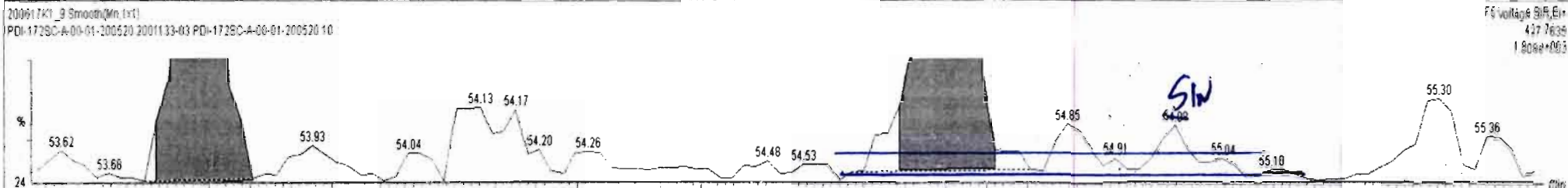


F5:Voltage SIR,EI+  
492.9697  
2.078e+006



#	Name	Resp	RA	nly	RRF	wtVol	PredRT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.822	0.00		0.000		NO	131.6		5.55	132.1
234	234 4th Function Octa-PCBs				1.0008	5.822	0.00		0.000		NO	22.28		2.11	23.08
235	235 5th Function Octa-PCBs				1.1499	5.822	0.00		0.000		NO	5.253		0.708	6.970

#	Name	PredRT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	162 PCB-195	53.78	53.78	2.408e2	4.017e2	0.890	0.60	YES	1.7171	0.00000
2	163 PCB-194	54.70	54.70	8.130e2	8.586e2	0.890	0.95	NO	5.2529	5.2529





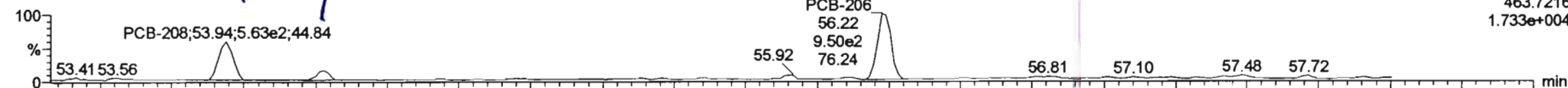
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Name: 200617K1\_9, Date: 17-Jun-2020, Time: 21:23:17, ID: 2001133-03 PDI-172SC-A-00-01-200520 10, Description: PDI-172SC-A-00-01-200520

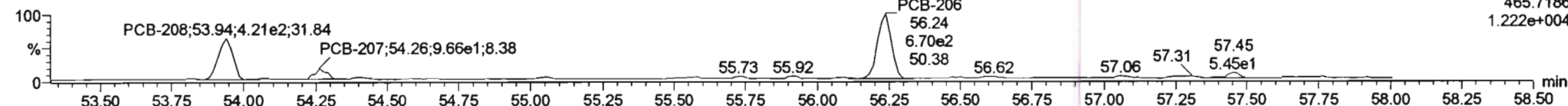
**PCB-208**

200617K1\_9



F5:Voltage SIR,EI+  
463.7216  
1.733e+004

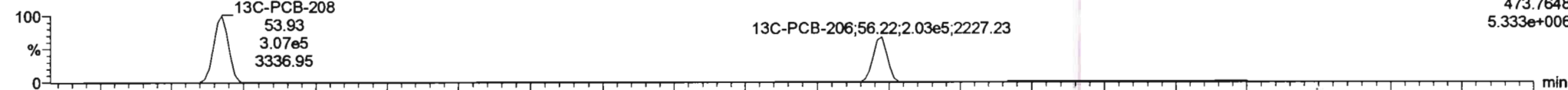
200617K1\_9



F5:Voltage SIR,EI+  
465.7186  
1.222e+004

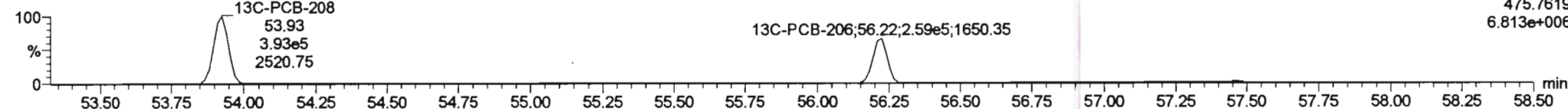
**13C-PCB-208**

200617K1\_9



F5:Voltage SIR,EI+  
473.7648  
5.333e+006

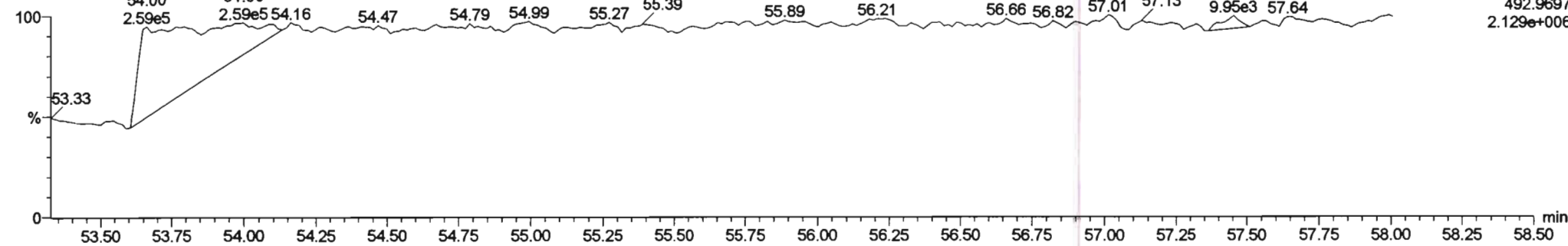
200617K1\_9



F5:Voltage SIR,EI+  
475.7619  
6.813e+006

**PFK5**

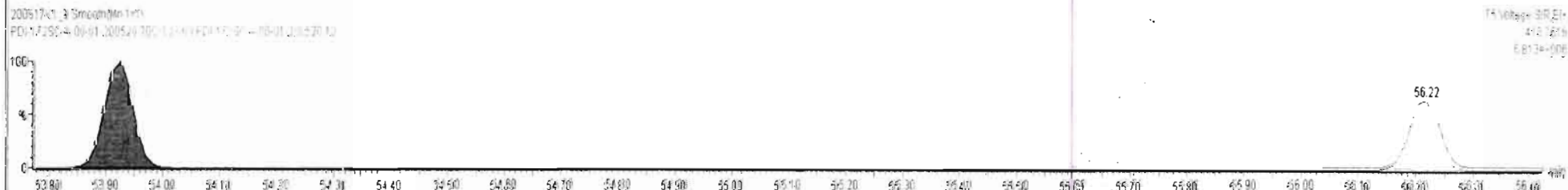
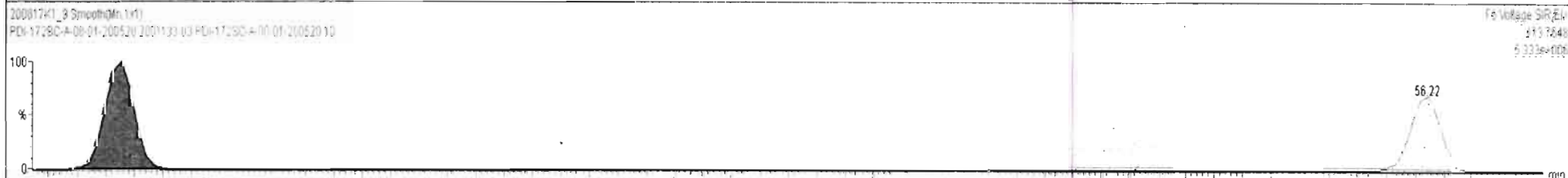
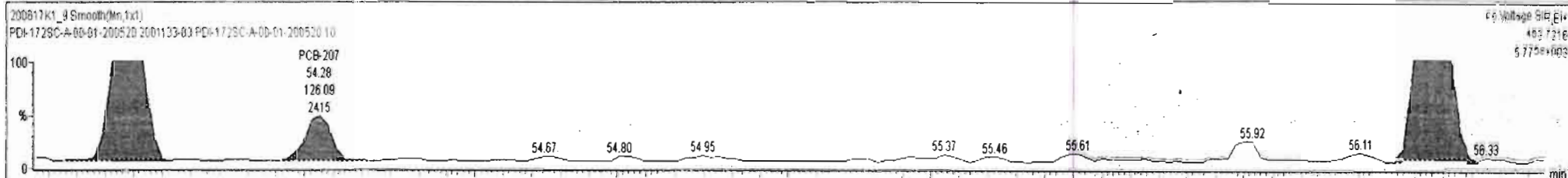
200617K1\_9



F5:Voltage SIR,EI+  
492.9697  
2.129e+006

#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.822	0.00		0.000		NO	131.6		5.95	132.1
234	234 4th Function Octa-PCBs				1.0008	5.822	0.00		0.000		NO	22.29		2.11	23.08
235	235 5th Function Octa-PCBs				1.1499	5.822	0.00		0.000		NO	5.253		0.708	6.970

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	165 PCB-208	53.94	53.94	5.846e2	4.208e2	1.340	1.34	NO	2.5920	2.5920
2	166 PCB-207	54.26	54.26	1.261e2	9.667e1	1.340	1.30	NO	0.59673	0.59673
3	167 PCB-206	56.24	56.22	9.532e2	6.703e2	1.340	1.42	NO	5.9799	5.9799



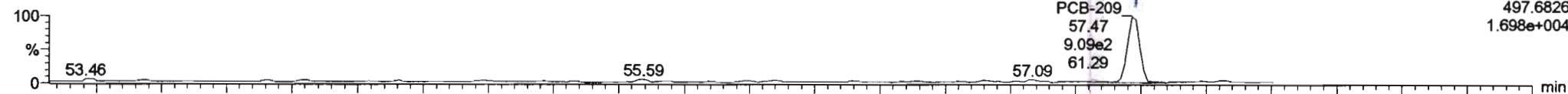
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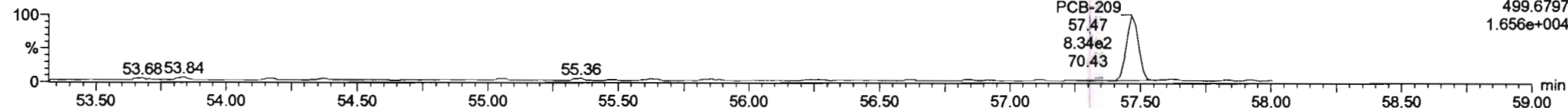
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**PCB-209**

200617K1\_9

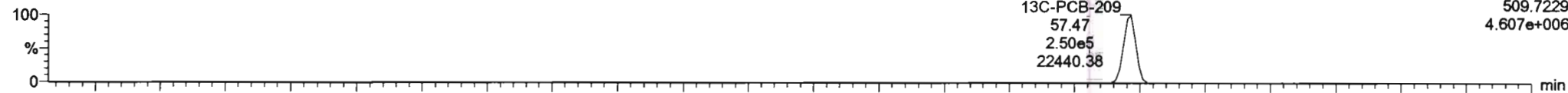


200617K1\_9

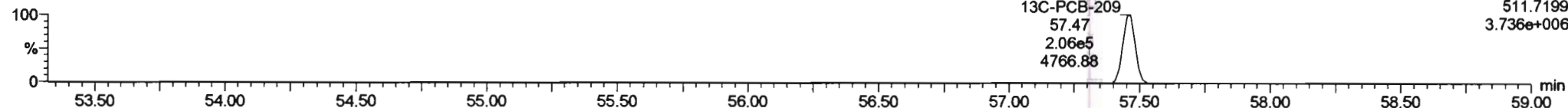


**13C-PCB-209**

200617K1\_9

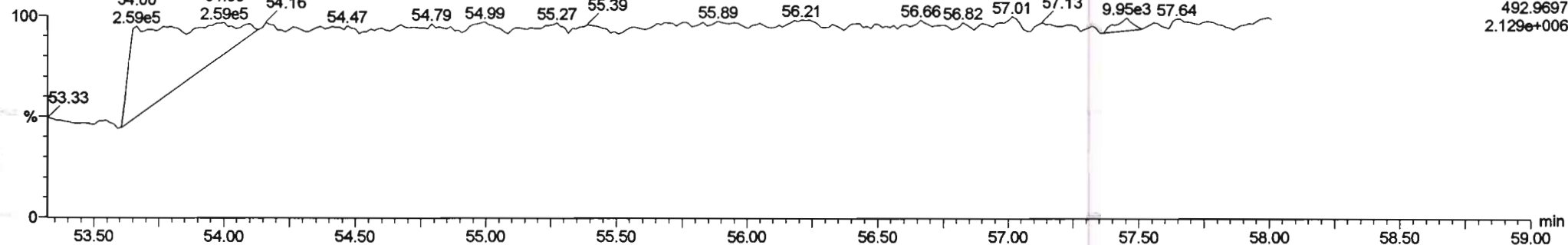


200617K1\_9



**PFK5b**

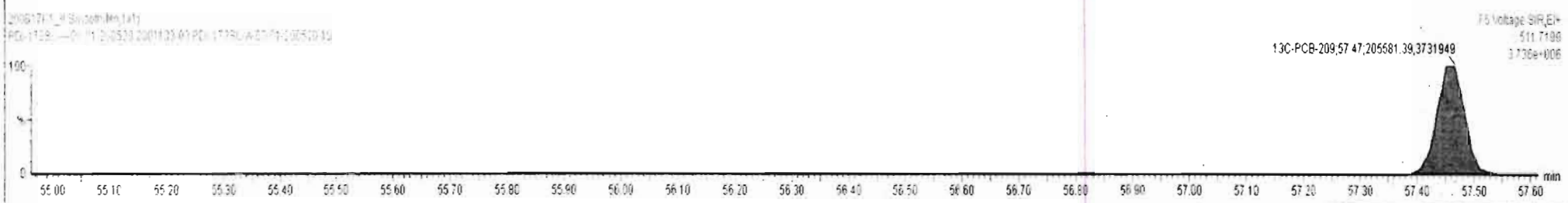
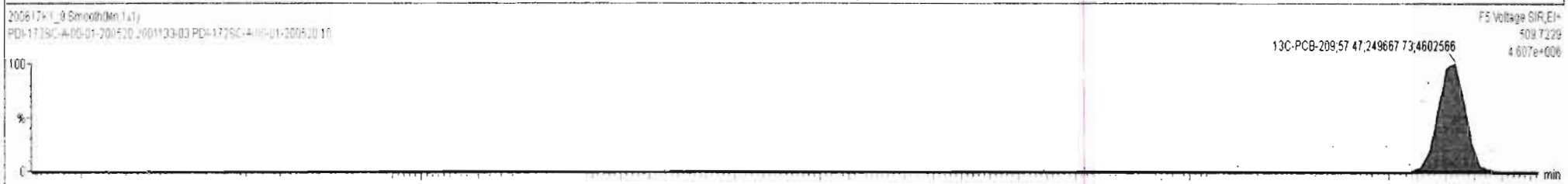
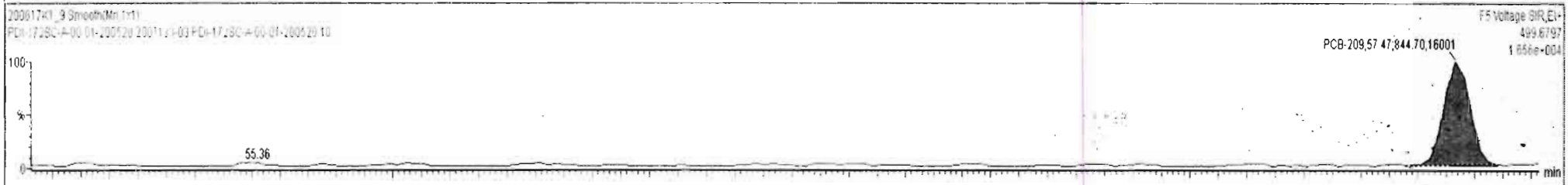
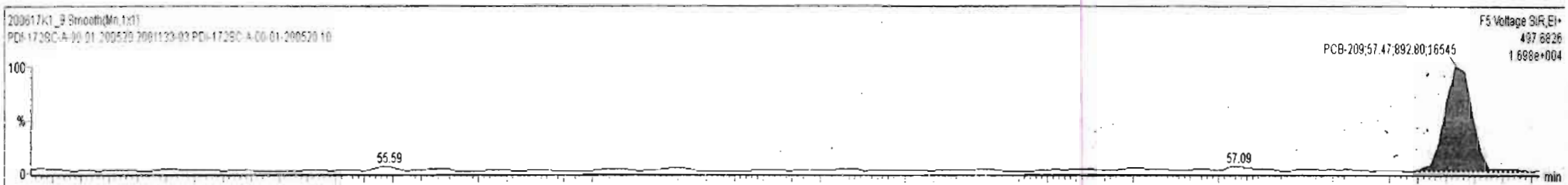
200617K1\_9



200617K1\_9-2001133-03.PDI-172SC-A-00-01-200520-10- PDI-172SC-A-00-01-200520

#	Name	Resp	RA	nly	RRF	wArd	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
237	Deca-CB				0.9864	5.822	0.00		0.000		NO	6.646		0.206	6.646
238	Total PCBs														
239	Total Mono-Isolopes														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	168 PCB-209	57.47	57.47	8.928e2	8.447e2	1.170	1.06	NO	6.6456	6.6456



**CONTINUING CALIBRATION**



# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200617K1-1

Reviewed By: AT 06/18/2020  
*Initials & Date*

End Calibration ID: NA

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

	<u>Beg.</u>	<u>End</u>
Mass resolution $\geq$	<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		
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
GC Break <20%		<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\200617K1\200617K1-1.qld

Last Altered: Wednesday, June 17, 2020 14:47:22 Pacific Daylight Time

Printed: Wednesday, June 17, 2020 14:48:04 Pacific Daylight Time

*Hz 6-17-2020 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: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Rep	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	9.99e5	3.11	NO	1.17	1.000	15.50	15.50	1.001	1.001	NO	54.75	109	0.0192	54.75
2	2 PCB-2	1.02e6	3.14	NO	1.18	1.000	17.91	17.91	0.988	0.987	NO	54.32	109	0.0194	54.32
3	3 PCB-3	1.00e6	3.16	NO	1.15	1.000	18.14	18.14	1.001	1.001	NO	54.96	110	0.0199	54.96
4	4 PCB-4/10	1.44e6	1.59	NO	1.25	1.000	19.57	19.56	1.004	1.004	NO	100.5	100	0.0717	100.5
5	5 PCB-7/9	1.79e6	1.53	NO	0.960	1.000	21.36	21.37	1.003	1.003	NO	102.1	102	0.0606	102.1
6	6 PCB-6	9.35e5	1.52	NO	1.02	1.000	22.01	22.02	1.033	1.033	NO	50.09	100	0.0568	50.09
7	7 PCB-5/8	1.86e6	1.55	NO	0.992	1.000	22.42	22.43	1.052	1.053	NO	102.8	103	0.0586	102.8
8	8 PCB-14	9.48e5	1.54	NO	1.02	1.000	23.57	23.57	0.952	0.951	NO	52.88	106	0.0617	52.88
9	9 PCB-11	9.94e5	1.55	NO	1.13	1.000	24.79	24.79	1.001	1.001	NO	50.11	100	0.0557	50.11
10	10 PCB-12/13	1.87e6	1.57	NO	1.03	1.000	25.22	25.16	1.018	1.016	NO	103.4	103	0.0611	103.4
11	11 PCB-15	9.32e5	1.58	NO	1.03	1.000	25.53	25.52	1.031	1.030	NO	51.15	102	0.0607	51.15
12	12 PCB-19	5.02e5	1.03	NO	1.11	1.000	23.76	23.75	1.001	1.001	NO	55.40	111	0.0350	55.40
13	13 PCB-30	7.98e5	1.03	NO	1.79	1.000	24.66	24.66	1.039	1.039	NO	54.37	109	0.0216	54.37
14	14 PCB-18	5.43e5	1.03	NO	0.818	1.000	25.43	25.43	0.952	0.952	NO	57.74	115	0.0342	57.74
15	15 PCB-17	5.08e5	1.04	NO	0.758	1.000	25.61	25.61	0.958	0.958	NO	58.28	117	0.0369	58.28
16	16 PCB-24/27	1.42e6	1.03	NO	1.08	1.000	26.22	26.21	0.981	0.981	NO	114.5	114	0.0259	114.5
17	17 PCB-16/32	1.22e6	1.03	NO	0.925	1.000	26.74	26.74	1.001	1.001	NO	114.5	114	0.0303	114.5
18	18 PCB-34	7.93e5	1.03	NO	0.945	1.000	27.54	27.56	0.959	0.959	NO	49.64	99.3	0.0341	49.64
19	19 PCB-23	7.97e5	1.03	NO	0.883	1.000	27.64	27.65	0.962	0.962	NO	53.38	107	0.0365	53.38
20	20 PCB-29	7.84e5	1.01	NO	0.893	1.000	27.89	27.90	0.971	0.971	NO	51.93	104	0.0361	51.93
21	21 PCB-26	8.34e5	1.03	NO	0.944	1.000	28.12	28.12	0.979	0.979	NO	52.30	105	0.0341	52.30
22	22 PCB-25	8.12e5	1.06	NO	0.950	1.000	28.28	28.29	0.984	0.984	NO	50.58	101	0.0339	50.58
23	23 PCB-31	9.67e5	1.03	NO	1.04	1.000	28.64	28.66	0.997	0.997	NO	55.19	110	0.0311	55.19
24	24 PCB-28	8.40e5	1.05	NO	1.03	1.000	28.75	28.75	1.001	1.001	NO	48.48	97.0	0.0314	48.48
25	25 PCB-20/21/33	2.42e6	1.02	NO	0.941	1.000	29.39	29.38	1.023	1.023	NO	152.0	101	0.0342	152.0
26	26 PCB-22	8.46e5	1.03	NO	0.973	1.000	29.83	29.85	1.038	1.039	NO	51.44	103	0.0331	51.44
27	27 PCB-36	8.70e5	1.03	NO	1.08	1.000	30.49	30.48	0.931	0.931	NO	55.40	111	0.0349	55.40
28	28 PCB-39	7.96e5	1.03	NO	0.988	1.000	30.97	30.97	0.946	0.946	NO	55.21	110	0.0380	55.21
29	29 PCB-38	8.41e5	1.03	NO	1.05	1.000	31.77	31.77	0.970	0.970	NO	54.80	110	0.0357	54.80
30	30 PCB-35	8.39e5	1.03	NO	1.04	1.000	32.31	32.31	0.987	0.987	NO	55.05	110	0.0359	55.05
31	31 PCB-37	7.98e5	1.05	NO	1.01	1.000	32.75	32.75	1.001	1.001	NO	54.20	108	0.0372	54.20
32	32 PCB-54	6.61e5	0.77	NO	1.08	1.000	27.60	27.60	1.001	1.001	NO	55.57	111	0.0267	55.57

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-1.qld

Last Altered: Wednesday, June 17, 2020 14:47:22 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:48:04 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 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
33	33 PCB-50	5.44e5	0.77	NO	0.880	1.000	28.79	28.81	1.044	1.045	NO	56.11	112	0.0328	56.11
34	34 PCB-53	5.00e5	0.75	NO	0.997	1.000	29.48	29.48	0.944	0.944	NO	56.91	114	0.0368	56.91
35	35 PCB-51	5.35e5	0.77	NO	1.07	1.000	29.82	29.83	0.955	0.955	NO	57.05	114	0.0344	57.05
36	36 PCB-45	4.29e5	0.77	NO	0.858	1.000	30.27	30.28	0.969	0.970	NO	56.79	114	0.0427	56.79
37	37 PCB-46	4.10e5	0.75	NO	0.831	1.000	30.76	30.78	0.985	0.986	NO	56.10	112	0.0441	56.10
38	38 PCB-52/69	1.19e6	0.78	NO	1.17	1.000	31.26	31.26	1.001	1.001	NO	115.6	116	0.0314	115.6
39	39 PCB-73	6.84e5	0.79	NO	1.44	1.000	31.38	31.39	1.005	1.005	NO	53.78	108	0.0254	53.78
40	40 PCB-43/49	1.01e6	0.77	NO	1.02	1.000	31.55	31.56	1.010	1.011	NO	113.1	113	0.0361	113.1
41	41 PCB-47	5.14e5	0.77	NO	0.922	1.000	31.77	31.77	1.001	1.001	NO	58.87	118	0.0370	58.87
42	42 PCB-48/75	1.17e6	0.78	NO	1.12	1.000	31.88	31.88	1.004	1.004	NO	110.4	110	0.0304	110.4
43	43 PCB-65	6.56e5	0.77	NO	1.28	1.000	32.15	32.16	1.013	1.013	NO	54.00	108	0.0266	54.00
44	44 PCB-62	6.07e5	0.77	NO	1.13	1.000	32.26	32.27	1.016	1.016	NO	56.84	114	0.0302	56.84
45	45 PCB-44	4.31e5	0.77	NO	0.824	1.000	32.60	32.59	1.027	1.026	NO	55.23	110	0.0414	55.23
46	46 PCB-42/59	1.09e6	0.78	NO	1.05	1.000	32.83	32.83	1.034	1.034	NO	109.2	109	0.0325	109.2
47	47 PCB-41/64/71/72	2.48e6	0.77	NO	1.19	1.000	33.43	33.42	1.053	1.053	NO	220.4	110	0.0287	220.4
48	48 PCB-68	6.60e5	0.77	NO	1.28	1.000	33.68	33.70	1.061	1.062	NO	54.48	109	0.0267	54.48
49	49 PCB-40	3.27e5	0.78	NO	0.602	1.000	33.91	33.92	1.068	1.069	NO	57.34	115	0.0566	57.34
50	50 PCB-57	6.98e5	0.78	NO	1.16	1.000	34.29	34.30	0.969	0.969	NO	56.38	113	0.0270	56.38
51	51 PCB-67	6.70e5	0.76	NO	1.08	1.000	34.61	34.61	0.978	0.978	NO	58.06	116	0.0289	58.06
52	52 PCB-58	6.98e5	0.78	NO	1.20	1.000	34.73	34.73	0.982	0.982	NO	54.45	109	0.0261	54.45
53	53 PCB-63	6.51e5	0.78	NO	1.07	1.000	34.88	34.89	0.986	0.986	NO	57.01	114	0.0293	57.01
54	54 PCB-74	7.00e5	0.77	NO	1.19	1.000	35.18	35.19	0.994	0.995	NO	55.46	111	0.0265	55.46
55	55 PCB-61/70	1.30e6	0.77	NO	1.05	1.000	35.39	35.32	1.000	0.998	NO	115.8	116	0.0298	115.8
56	56 PCB-76/66	1.38e6	0.76	NO	1.16	1.000	35.59	35.56	1.006	1.005	NO	111.5	112	0.0269	111.5
57	57 PCB-80	7.21e5	0.76	NO	1.19	1.000	35.84	35.84	1.001	1.001	NO	54.76	110	0.0258	54.76
58	58 PCB-55	7.16e5	0.77	NO	1.17	1.000	36.16	36.16	1.010	1.009	NO	55.23	110	0.0262	55.23
59	59 PCB-56/60	1.27e6	0.76	NO	1.02	1.000	36.68	36.68	1.024	1.024	NO	112.1	112	0.0301	112.1
60	60 PCB-79	6.87e5	0.78	NO	1.14	1.000	37.78	37.78	1.055	1.055	NO	54.41	109	0.0269	54.41
61	61 PCB-78	6.58e5	0.77	NO	1.14	1.000	38.50	38.50	0.987	0.987	NO	56.25	112	0.0292	56.25
62	62 PCB-81	5.77e5	0.77	NO	1.05	1.000	39.04	39.04	1.000	1.000	NO	53.50	107	0.0317	53.50
63	63 PCB-77	6.14e5	0.79	NO	1.14	1.000	39.66	39.66	1.000	1.000	NO	54.35	109	0.0300	54.35
64	64 PCB-104	3.84e5	1.62	NO	1.12	1.000	32.44	32.44	1.001	1.001	NO	57.39	115	0.0258	57.39
65	65 PCB-96	3.86e5	1.57	NO	1.15	1.000	33.76	33.74	1.041	1.041	NO	56.19	112	0.0251	56.19
66	66 PCB-103	3.03e5	1.62	NO	0.936	1.000	34.32	34.30	1.059	1.058	NO	54.38	109	0.0309	54.38
67	67 PCB-100	3.14e5	1.62	NO	0.954	1.000	34.67	34.67	1.069	1.069	NO	55.25	110	0.0303	55.25
68	68 PCB-94	2.45e5	1.58	NO	0.949	1.000	35.18	35.15	0.985	0.985	NO	54.61	109	0.0387	54.61

751251



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-1.qld

Last Altered: Wednesday, June 17, 2020 14:47:22 Pacific Daylight Time

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Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 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
69	69 PCB-95/98/102	9.18e5	1.57	NO	1.20	1.000	35.65	35.64	0.999	0.998	NO	161.1	107	0.0305	161.1
70	70 PCB-93	2.72e5	1.63	NO	0.935	1.000	35.77	35.79	1.002	1.003	NO	61.57	123	0.0393	61.57
71	71 PCB-88/91	5.29e5	1.58	NO	1.06	1.000	36.12	36.12	1.012	1.012	NO	105.1	105	0.0345	105.1
72	72 PCB-121	4.56e5	1.61	NO	1.71	1.000	36.21	36.21	1.015	1.015	NO	56.36	113	0.0215	56.36
73	73 PCB-84/92	5.27e5	1.59	NO	1.02	1.000	37.08	37.07	0.990	0.990	NO	115.5	116	0.0397	115.5
74	74 PCB-89	2.90e5	1.59	NO	1.11	1.000	37.25	37.26	0.995	0.995	NO	58.61	117	0.0366	58.61
75	75 PCB-90/101	5.72e5	1.58	NO	1.12	1.000	37.46	37.44	1.000	1.000	NO	113.7	114	0.0360	113.7
76	76 PCB-113	3.66e5	1.59	NO	1.51	1.000	37.70	37.70	1.007	1.007	NO	53.90	108	0.0267	53.90
77	77 PCB-99	3.51e5	1.62	NO	1.32	1.000	37.79	37.80	1.009	1.009	NO	59.31	119	0.0306	59.31
78	78 PCB-119	3.95e5	1.61	NO	1.81	1.000	38.28	38.26	0.987	0.987	NO	53.56	107	0.0242	53.56
79	79 PCB-108/112	6.72e5	1.59	NO	1.44	1.000	38.44	38.43	0.991	0.991	NO	113.9	114	0.0303	113.9
80	80 PCB-83	4.11e5	1.61	NO	1.83	1.000	38.59	38.60	0.995	0.995	NO	54.87	110	0.0239	54.87
81	81 PCB-97	2.80e5	1.62	NO	1.28	1.000	38.80	38.80	1.000	1.000	NO	53.54	107	0.0341	53.54
82	82 PCB-86	2.83e5	1.57	NO	1.12	1.000	38.95	38.95	1.004	1.004	NO	61.95	124	0.0392	61.95
83	83 PCB-87/117/125	1.03e6	1.60	NO	1.56	1.000	39.10	39.08	1.008	1.008	NO	162.5	108	0.0281	162.5
84	84 PCB-111/115	8.07e5	1.59	NO	1.91	1.000	39.25	39.25	1.012	1.012	NO	103.4	103	0.0229	103.4
85	85 PCB-85/116	6.55e5	1.58	NO	1.41	1.000	39.38	39.38	1.015	1.015	NO	113.7	114	0.0310	113.7
86	86 PCB-120	4.42e5	1.59	NO	2.01	1.000	39.64	39.62	1.022	1.022	NO	53.96	108	0.0218	53.96
87	87 PCB-110	3.98e5	1.58	NO	1.74	1.000	39.77	39.77	1.026	1.025	NO	55.97	112	0.0251	55.97
88	88 PCB-82	2.42e5	1.62	NO	0.781	1.000	40.43	40.42	0.976	0.976	NO	58.96	118	0.0437	58.96
89	89 PCB-124	3.91e5	1.57	NO	1.40	1.000	41.13	41.13	0.993	0.993	NO	53.17	106	0.0244	53.17
90	90 PCB-107/109	7.95e5	1.58	NO	1.34	1.000	41.28	41.28	0.996	0.996	NO	112.7	113	0.0254	112.7
91	91 PCB-123	3.56e5	1.57	NO	1.20	1.000	41.45	41.44	1.000	1.000	NO	56.52	113	0.0285	56.52
92	92 PCB-106/118	7.75e5	1.60	NO	1.22	1.000	41.65	41.67	1.001	1.001	NO	115.6	116	0.0266	115.6
93	93 PCB-114	6.03e5	1.56	NO	1.14	1.000	42.31	42.30	1.000	1.000	NO	51.69	103	0.0347	51.69
94	94 PCB-122	5.38e5	1.57	NO	0.944	1.000	42.45	42.46	1.004	1.004	NO	55.71	111	0.0419	55.71
95	95 PCB-105	5.65e5	1.57	NO	1.05	1.000	43.19	43.19	1.000	1.000	NO	52.07	104	0.0367	52.07
96	96 PCB-127	5.96e5	1.58	NO	1.06	1.000	43.55	43.55	1.000	1.000	NO	53.57	107	0.0366	53.57
97	97 PCB-126	5.91e5	1.56	NO	1.17	1.000	45.51	45.51	1.000	1.000	NO	53.19	106	0.0367	53.19
98	98 PCB-155	1.62e5	1.33	NO	1.04	1.000	36.98	36.98	1.000	1.001	NO	55.57	111	0.0213	55.57
99	99 PCB-150	1.65e5	1.33	NO	1.08	1.000	38.30	38.28	1.036	1.036	NO	54.34	109	0.0205	54.34
100	1... PCB-152	1.84e5	1.30	NO	1.19	1.000	38.78	38.78	1.049	1.049	NO	55.28	111	0.0188	55.28
101	1... PCB-145	1.83e5	1.30	NO	1.19	1.000	39.25	39.23	1.062	1.061	NO	54.93	110	0.0187	54.93
102	1... PCB-136	1.68e5	1.35	NO	1.02	1.000	39.58	39.56	1.071	1.070	NO	58.63	117	0.0218	58.63
103	1... PCB-148	1.22e5	1.32	NO	0.842	1.000	39.69	39.68	1.074	1.074	NO	51.94	104	0.0264	51.94
104	1... PCB-154	1.40e5	1.34	NO	0.919	1.000	40.20	40.20	1.088	1.088	NO	54.45	109	0.0242	54.45

25-1251

Handwritten vertical line and arrow pointing to row 104.

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-1.qld

Last Altered: Wednesday, June 17, 2020 14:47:22 Pacific Daylight Time

Printed: Wednesday, June 17, 2020 14:48:04 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

#	Name	Resp	RA	rv/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	1.26e5	1.35	NO	0.787	1.000	40.86	40.85	1.105	1.105	NO	57.42	115	0.0283	57.42
106	1... PCB-135	1.31e5	1.34	NO	0.922	1.000	41.07	41.07	1.111	1.111	NO	50.81	102	0.0241	50.81
107	1... PCB-144	1.29e5	1.33	NO	0.789	1.000	41.18	41.18	1.114	1.114	NO	58.47	117	0.0282	58.47
108	1... PCB-147	1.27e5	1.31	NO	0.834	1.000	41.31	41.31	1.118	1.118	NO	54.39	109	0.0267	54.39
109	1... PCB-139/149	2.84e5	1.30	NO	0.948	1.000	41.60	41.59	1.125	1.125	NO	106.9	107	0.0235	106.9
110	1... PCB-140	1.21e5	1.34	NO	0.794	1.000	41.78	41.78	1.130	1.130	NO	54.39	109	0.0280	54.39
111	1... PCB-134/143	7.12e5	1.24	NO	0.759	1.000	42.26	42.25	0.975	0.975	NO	113.4	113	0.0560	113.4
112	1... PCB-131/133	7.63e5	1.26	NO	0.821	1.000	42.56	42.55	0.982	0.982	NO	112.3	112	0.0518	112.3
113	1... PCB-142	3.54e5	1.30	NO	0.754	1.000	42.70	42.70	0.985	0.985	NO	56.67	113	0.0564	56.67
114	1... PCB-146/165	9.22e5	1.27	NO	1.02	1.000	42.95	42.95	0.991	0.991	NO	109.6	110	0.0418	109.6
115	1... PCB-132/161	9.11e5	1.27	NO	1.02	1.000	43.18	43.18	0.996	0.996	NO	107.5	107	0.0415	107.5
116	1... PCB-153	4.86e5	1.26	NO	1.07	1.000	43.36	43.37	1.000	1.000	NO	54.86	110	0.0397	54.86
117	1... PCB-168	4.84e5	1.26	NO	1.08	1.000	43.59	43.59	1.006	1.006	NO	54.29	109	0.0395	54.29
118	1... PCB-141	3.84e5	1.24	NO	1.03	1.000	44.12	44.12	1.000	1.000	NO	54.42	109	0.0504	54.42
119	1... PCB-137	3.96e5	1.24	NO	1.11	1.000	44.52	44.52	1.010	1.009	NO	51.81	104	0.0466	51.81
120	1... PCB-130	3.47e5	1.26	NO	0.885	1.000	44.62	44.63	1.012	1.012	NO	56.90	114	0.0584	56.90
121	1... PCB-138/163/164	1.50e6	1.25	NO	1.28	1.000	45.01	45.03	1.001	1.001	NO	162.0	108	0.0383	162.0
122	1... PCB-158/160	9.76e5	1.26	NO	1.24	1.000	45.26	45.26	1.006	1.006	NO	109.1	109	0.0397	109.1
123	1... PCB-129	3.24e5	1.26	NO	0.867	1.000	45.52	45.53	1.012	1.012	NO	51.87	104	0.0568	51.87
124	1... PCB-166	5.40e5	1.26	NO	1.14	1.000	45.99	45.98	0.993	0.993	NO	55.06	110	0.0368	55.06
125	1... PCB-159	5.65e5	1.26	NO	1.22	1.000	46.32	46.32	1.000	1.000	NO	54.06	108	0.0346	54.06
126	1... PCB-128/162	8.52e5	1.22	NO	0.907	1.000	46.61	46.62	1.007	1.007	NO	109.3	109	0.0464	109.3
127	1... PCB-167	5.24e5	1.24	NO	1.11	1.000	47.02	47.02	1.000	1.000	NO	53.96	108	0.0372	53.96
128	1... PCB-156	5.12e5	1.25	NO	1.13	1.000	48.37	48.37	1.000	1.000	NO	54.14	108	0.0392	54.14
129	1... PCB-157	4.65e5	1.26	NO	1.04	1.000	48.65	48.63	1.001	1.000	NO	54.04	108	0.0420	54.04
130	1... PCB-169	4.84e5	1.25	NO	1.16	1.000	50.91	50.91	1.000	1.000	NO	54.10	108	0.0417	54.10
131	1... PCB-188	3.97e5	1.04	NO	1.29	1.000	43.01	42.99	1.001	1.000	NO	53.62	107	0.0494	53.62
132	1... PCB-184	3.91e5	1.05	NO	1.23	1.000	43.44	43.44	1.011	1.011	NO	55.34	111	0.0517	55.34
133	1... PCB-179	3.94e5	1.04	NO	1.30	1.000	44.26	44.26	1.030	1.030	NO	52.82	106	0.0491	52.82
134	1... PCB-176	3.99e5	1.04	NO	1.31	1.000	44.72	44.73	1.041	1.041	NO	53.11	106	0.0487	53.11
135	1... PCB-186	4.24e5	1.04	NO	1.33	1.000	45.35	45.35	1.055	1.056	NO	55.51	111	0.0480	55.51
136	1... PCB-178	2.89e5	1.02	NO	0.943	1.000	45.87	45.87	1.067	1.067	NO	53.36	107	0.0676	53.36
137	1... PCB-175	2.92e5	1.02	NO	0.956	1.000	46.22	46.23	1.076	1.076	NO	53.14	106	0.0666	53.14
138	1... PCB-182/187	6.51e5	1.04	NO	1.07	1.000	46.40	46.42	1.080	1.080	NO	106.4	106	0.0598	106.4
139	1... PCB-183	3.19e5	1.04	NO	1.02	1.000	46.74	46.74	1.088	1.088	NO	54.28	109	0.0623	54.28
140	1... PCB-185	2.96e5	1.03	NO	1.41	1.000	47.42	47.42	0.955	0.955	NO	54.50	109	0.0692	54.50

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Dataset: U:\VG11.PRO\Results\200617K1\200617K1-1.qld

Last Altered: Wednesday, June 17, 2020 14:47:22 Pacific Daylight Time

Printed: Wednesday, June 17, 2020 14:48:04 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 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	2.67e5	1.02	NO	1.35	1.000	47.81	47.80	0.962	0.962	NO	51.01	102	0.0718	51.01
142	1... PCB-181	3.22e5	1.05	NO	1.47	1.000	47.90	47.89	0.964	0.964	NO	56.44	113	0.0660	56.44
143	1... PCB-177	2.66e5	1.04	NO	1.28	1.000	48.06	48.06	0.968	0.968	NO	53.75	108	0.0761	53.75
144	1... PCB-171	2.74e5	1.06	NO	1.32	1.000	48.36	48.37	0.974	0.974	NO	53.76	108	0.0739	53.76
145	1... PCB-173	2.52e5	1.04	NO	1.19	1.000	48.80	48.80	0.983	0.982	NO	54.85	110	0.0817	54.85
146	1... PCB-172	2.90e5	1.07	NO	1.38	1.000	49.28	49.28	0.992	0.992	NO	54.47	109	0.0707	54.47
147	1... PCB-192	3.75e5	1.05	NO	1.83	1.000	49.47	49.47	0.996	0.996	NO	53.11	106	0.0532	53.11
148	1... PCB-180	2.98e5	1.07	NO	1.41	1.000	49.69	49.69	1.000	1.000	NO	54.60	109	0.0689	54.60
149	1... PCB-193	3.45e5	1.09	NO	1.68	1.000	49.90	49.90	1.005	1.005	NO	53.14	106	0.0580	53.14
150	1... PCB-191	3.52e5	1.04	NO	1.71	1.000	50.17	50.17	1.010	1.010	NO	53.18	106	0.0569	53.18
151	1... PCB-170	2.54e5	1.05	NO	1.40	1.000	51.36	51.36	1.000	1.000	NO	53.06	106	0.0791	53.06
152	1... PCB-190	3.47e5	1.05	NO	1.85	1.000	51.55	51.55	1.004	1.004	NO	54.90	110	0.0599	54.90
153	1... PCB-189	3.45e5	1.04	NO	1.45	1.000	53.09	53.08	1.000	1.000	NO	54.74	109	0.0532	54.74
154	1... PCB-202	2.18e5	0.91	NO	1.17	1.000	48.60	48.58	1.001	1.000	NO	55.28	111	0.0349	55.28
155	1... PCB-201	2.05e5	0.93	NO	1.05	1.000	49.09	49.09	1.011	1.011	NO	57.71	115	0.0387	57.71
156	1... PCB-204	2.18e5	0.93	NO	1.14	1.000	49.23	49.24	1.014	1.014	NO	56.56	113	0.0358	56.56
157	1... PCB-197	2.16e5	0.92	NO	1.13	1.000	49.55	49.56	1.020	1.021	NO	56.53	113	0.0360	56.53
158	1... PCB-200	2.06e5	0.93	NO	1.07	1.000	50.48	50.49	1.040	1.040	NO	57.01	114	0.0381	57.01
159	1... PCB-198	1.66e5	0.91	NO	0.794	1.000	52.06	52.06	1.072	1.072	NO	61.88	124	0.0514	61.88
160	1... PCB-199	1.56e5	0.93	NO	0.809	1.000	52.16	52.17	1.074	1.075	NO	57.17	114	0.0504	57.17
161	1... PCB-196/203	3.28e5	0.93	NO	0.838	1.000	52.48	52.48	1.081	1.081	NO	115.9	116	0.0487	115.9
162	1... PCB-195	3.10e5	0.89	NO	1.04	1.000	53.78	53.78	0.984	0.983	NO	51.93	104	0.0615	51.93
163	1... PCB-194	3.20e5	0.89	NO	1.12	1.000	54.70	54.70	1.000	1.000	NO	50.20	100	0.0576	50.20
164	1... PCB-205	3.76e5	0.89	NO	1.29	1.000	54.97	54.98	1.005	1.005	NO	50.98	102	0.0498	50.98
165	1... PCB-208	3.66e5	1.33	NO	0.933	1.000	53.93	53.94	1.000	1.001	NO	53.39	107	0.0554	53.39
166	1... PCB-207	3.59e5	1.34	NO	0.916	1.000	54.25	54.26	1.006	1.007	NO	53.38	107	0.0564	53.38
167	1... PCB-206	2.55e5	1.32	NO	1.01	1.000	56.24	56.22	1.000	1.000	NO	53.02	106	0.0764	53.02
168	1... PCB-209	2.21e5	1.21	NO	0.986	1.000	57.45	57.47	1.000	1.000	NO	53.88	108	0.0248	53.88
169	1... 13C-PCB-1	1.56e6	3.35	NO	0.893	1.000	15.50	15.49	0.608	0.607	NO	96.91	96.9	0.0894	
170	1... 13C-PCB-3	1.59e6	3.25	NO	0.911	1.000	18.14	18.13	0.712	0.711	NO	96.43	96.4	0.0877	
171	1... 13C-PCB-4	1.15e6	1.56	NO	0.600	1.000	19.49	19.49	0.765	0.765	NO	106.4	106	0.0560	
172	1... 13C-PCB-9	1.82e6	1.61	NO	0.970	1.000	21.32	21.31	0.836	0.836	NO	104.2	104	0.0347	
173	1... 13C-PCB-11	1.76e6	1.60	NO	0.962	1.000	24.76	24.77	0.971	0.972	NO	101.5	102	0.0349	
174	1... 13C-PCB-19	8.19e5	1.04	NO	0.499	1.000	23.73	23.73	0.931	0.931	NO	90.93	90.9	0.439	
175	1... 13C-PCB-32	1.15e6	1.06	NO	0.744	1.000	26.71	26.72	1.048	1.048	NO	85.59	85.6	0.294	
176	1... 13C-PCB-28	1.69e6	1.04	NO	1.06	1.000	28.75	28.73	1.004	1.003	NO	105.3	105	0.334	

Handwritten notes: 751757, 52-1457, and a circled 'D'.

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-1.qld

Last Altered: Wednesday, June 17, 2020 14:47:22 Pacific Daylight Time

Printed: Wednesday, June 17, 2020 14:48:04 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 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
177	1... 13C-PCB-37	1.46e6	1.06	NO	0.989	1.000	32.73	32.73	1.143	1.143	NO	97.80	97.8	0.359	
178	1... 13C-PCB-54	1.10e6	0.79	NO	0.999	1.000	27.61	27.58	0.753	0.752	NO	101.3	101	0.104	
179	1... 13C-PCB-52	8.81e5	0.78	NO	0.804	1.000	31.24	31.23	0.852	0.852	NO	100.6	101	0.129	
180	1... 13C-PCB-47	9.47e5	0.77	NO	0.857	1.000	31.76	31.75	0.866	0.866	NO	101.5	102	0.121	
181	1... 13C-PCB-70	1.06e6	0.81	NO	0.996	1.000	35.39	35.38	0.965	0.965	NO	98.21	98.2	0.104	
182	1... 13C-PCB-80	1.11e6	0.80	NO	1.03	1.000	35.82	35.82	0.977	0.977	NO	99.06	99.1	0.101	
183	1... 13C-PCB-81	1.03e6	0.79	NO	0.988	1.000	39.03	39.02	1.064	1.064	NO	95.75	95.8	0.105	
184	1... 13C-PCB-77	9.93e5	0.78	NO	0.969	1.000	39.64	39.64	1.081	1.081	NO	94.17	94.2	0.107	
185	1... 13C-PCB-104	5.96e5	1.63	NO	1.02	1.000	32.44	32.42	0.827	0.826	NO	101.5	101	0.0437	
186	1... 13C-PCB-95	4.73e5	1.65	NO	0.805	1.000	35.69	35.69	0.910	0.910	NO	101.8	102	0.0552	
187	1... 13C-PCB-101	4.48e5	1.64	NO	0.793	1.000	37.44	37.44	0.954	0.954	NO	97.90	97.9	0.0561	
188	1... 13C-PCB-97	4.08e5	1.68	NO	0.696	1.000	38.78	38.78	0.989	0.989	NO	101.6	102	0.0638	
189	1... 13C-PCB-123	5.26e5	1.60	NO	0.933	1.000	41.42	41.42	1.056	1.056	NO	97.61	97.6	0.0477	
190	1... 13C-PCB-118	5.49e5	1.60	NO	0.986	1.000	41.61	41.61	1.061	1.061	NO	96.53	96.5	0.0451	
191	1... 13C-PCB-114	1.02e6	1.57	NO	1.55	1.000	42.29	42.29	0.908	0.908	NO	107.0	107	0.0624	
192	1... 13C-PCB-105	1.03e6	1.55	NO	1.57	1.000	43.17	43.18	0.927	0.927	NO	106.2	106	0.0614	
193	1... 13C-PCB-127	1.05e6	1.60	NO	1.62	1.000	43.53	43.54	0.934	0.935	NO	104.7	105	0.0594	
194	1... 13C-PCB-126	9.47e5	1.60	NO	1.57	1.000	45.49	45.49	0.976	0.976	NO	97.76	97.8	0.0615	
195	1... 13C-PCB-155	2.80e5	1.27	NO	0.615	1.000	36.96	36.96	0.942	0.942	NO	78.86	78.9	0.0336	
196	1... 13C-PCB-153	8.27e5	1.27	NO	1.36	1.000	43.34	43.35	0.930	0.930	NO	98.10	98.1	0.0584	
197	1... 13C-PCB-141	6.88e5	1.28	NO	1.13	1.000	44.11	44.10	0.947	0.947	NO	98.74	98.7	0.0706	
198	1... 13C-PCB-138	7.22e5	1.24	NO	1.18	1.000	44.97	44.98	0.965	0.965	NO	98.57	98.6	0.0672	
199	1... 13C-PCB-159	8.58e5	1.27	NO	1.44	1.000	46.30	46.30	0.994	0.994	NO	96.51	96.5	0.0553	
200	2... 13C-PCB-167	8.76e5	1.25	NO	1.44	1.000	47.01	47.00	1.009	1.009	NO	98.43	98.4	0.0553	
201	2... 13C-PCB-156	8.39e5	1.28	NO	1.40	1.000	48.32	48.35	1.037	1.038	NO	97.22	97.2	0.0570	
202	2... 13C-PCB-157	8.29e5	1.27	NO	1.40	1.000	48.61	48.61	1.043	1.044	NO	96.00	96.0	0.0570	
203	2... 13C-PCB-169	7.72e5	1.28	NO	1.33	1.000	50.89	50.89	1.092	1.092	NO	93.90	93.9	0.0598	
204	2... 13C-PCB-188	5.74e5	0.46	NO	1.41	1.000	42.96	42.97	0.926	0.926	NO	100.5	101	0.0622	
205	2... 13C-PCB-180	3.87e5	0.46	NO	0.929	1.000	49.65	49.67	1.070	1.071	NO	102.7	103	0.0943	
206	2... 13C-PCB-170	3.41e5	0.46	NO	0.794	1.000	51.32	51.34	1.106	1.107	NO	106.0	106	0.110	
207	2... 13C-PCB-189	4.34e5	0.47	NO	1.04	1.000	53.07	53.07	1.144	1.144	NO	102.6	103	0.0839	
208	2... 13C-PCB-202	3.38e5	0.93	NO	1.04	1.000	48.55	48.56	1.046	1.047	NO	80.43	80.4	0.0578	
209	2... 13C-PCB-194	5.72e5	0.87	NO	0.768	1.000	54.71	54.69	0.995	0.995	NO	97.31	97.3	0.0929	
210	2... 13C-PCB-208	7.34e5	0.80	NO	0.991	1.000	53.93	53.91	0.981	0.981	NO	96.77	96.8	0.0829	
211	2... 13C-PCB-206	4.77e5	0.75	NO	0.552	1.000	56.22	56.22	1.023	1.023	NO	112.9	113	0.149	
212	2... 13C-PCB-209	4.16e5	1.20	NO	0.396	1.000	57.48	57.45	1.046	1.045	NO	136.9	137	0.0308	

SD-1151

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-1.qld

Last Altered: Wednesday, June 17, 2020 14:47:22 Pacific Daylight Time

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Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 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	1.80e6	1.59	NO	1.00	1.000	25.51	25.49	1.000	0.000	NO	100.0	100	0.0336	
214	2... 13C-PCB-31	1.51e6	1.04	NO	1.00	1.000	28.64	28.64	1.000	0.000	NO	100.0	100	0.355	
215	2... 13C-PCB-60	1.09e6	0.80	NO	1.00	1.000	36.66	36.66	1.000	0.000	NO	100.0	100	0.104	
216	2... 13C-PCB-111	5.77e5	1.67	NO	1.00	1.000	39.23	39.23	1.000	0.000	NO	100.0	100	0.0445	
217	2... 13C-PCB-128	6.18e5	1.29	NO	1.00	1.000	46.59	46.59	1.000	0.000	NO	100.0	100	0.0797	
218	2... 13C-PCB-182	4.05e5	0.47	NO	1.00	1.000	46.40	46.40	0.000	0.000	NO	100.0	100	0.0876	
219	2... 13C-PCB-205	7.65e5	0.90	NO	1.00	1.000	54.97	54.96	1.000	0.000	NO	100.0	100	0.0714	
220	2... 13C-PCB-79	1.13e6	0.80	NO	1.07	1.000	37.76	37.76	1.030	1.030	NO	96.94	96.9	0.0972	75/125/1
221	2... 13C-PCB-178	3.93e5	0.44	NO	0.766	1.000	45.84	45.85	0.988	0.988	NO	83.06	83.1	0.0737	
222	2... 13C-PCB-79	1.13e6	0.80	NO	1.08	1.000	37.76	37.76	0.968	0.968	NO	101.2	101	0.105	
223	2... 13C-PCB-178	3.93e5	0.44	NO	1.05	1.000	45.85	45.85	0.923	0.923	NO	96.82	96.8	0.0857	

Dataset: Untitled

Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:29 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

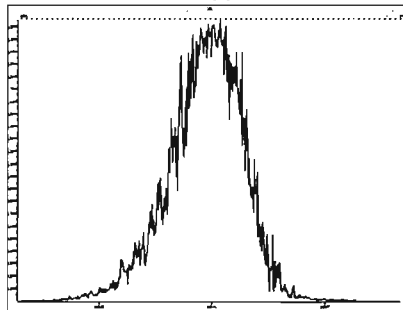
Compound name: PCB-209

	Name	ID	Acq Date	Acq Time
1	200617K1_1	ST200617K1-1 PCB 209 CS3 19G2609	17-Jun-20	13:13:13
2	200617K1_2	B0F0004-BS1 OPR 10	17-Jun-20	14:16:40
3	200617K1_3	SOLVENT BLANK	17-Jun-20	15:17:34
4	200617K1_4	B0F0004-BLK1 Method Blank 10	17-Jun-20	16:18:31
5	200617K1_5	B0F0004-DUP1 Duplicate 10	17-Jun-20	17:21:54
6	200617K1_6	B0F0004-DUP2 Duplicate 10	17-Jun-20	18:22:45
7	200617K1_7	2001133-01 PDI-166SC-A-00-01-200520 10	17-Jun-20	19:23:00
8	200617K1_8	2001133-02 PDI-168SC-A-00-01-200520 10	17-Jun-20	20:23:51
9	200617K1_9	2001133-03 PDI-172SC-A-00-01-200520 10	17-Jun-20	21:23:17
10	200617K1_10	2001154-01 PDI-171SC-A-00-01-200521 10	17-Jun-20	22:25:35
11	200617K1_11	2001154-02 PDI-173SC-A-00-01-200521 10	17-Jun-20	23:26:05

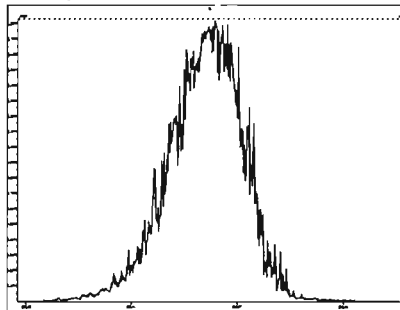
File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, June 17, 2020 13:08:34 Pacific Daylight Time

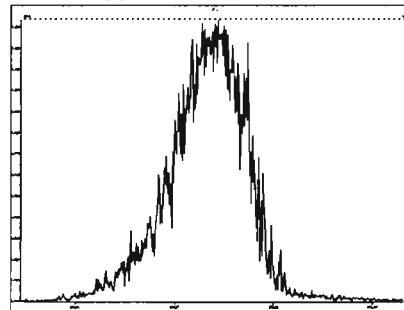
M 168.9888 R 12504



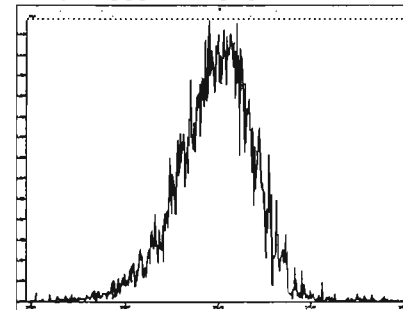
M 180.9888 R 11575



M 192.9888 R 11907



M 204.9888 R 11363

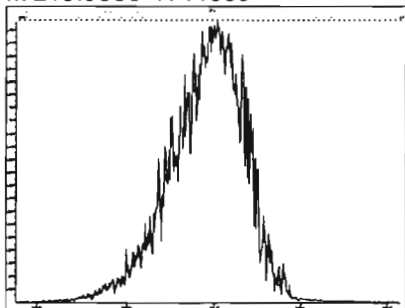




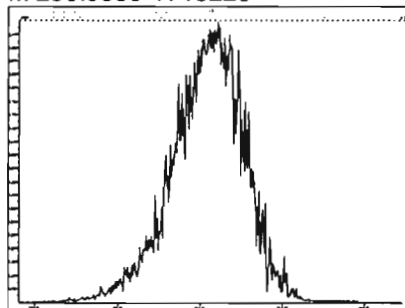
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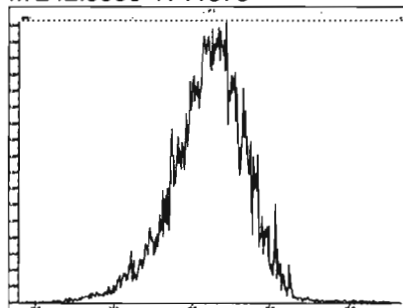
M 218.9856 R 11959



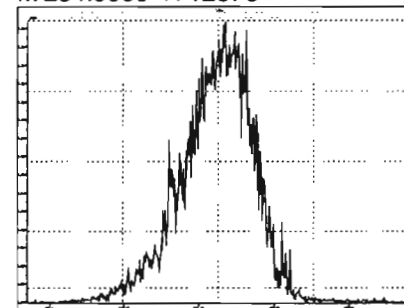
M 230.9856 R 13226



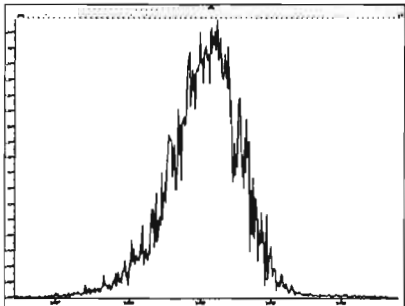
M 242.9856 R 11575



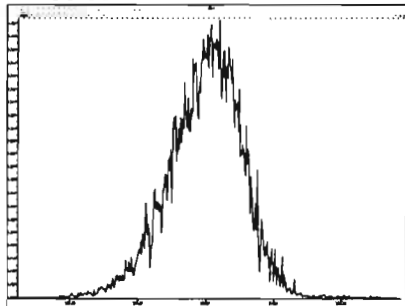
M 254.9856 R 12375



M 268.9824 R 11962



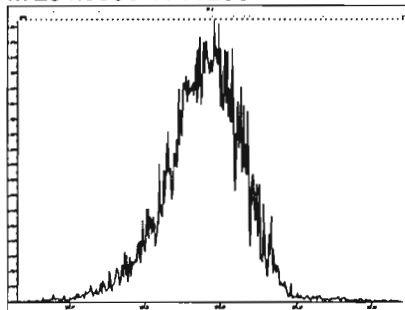
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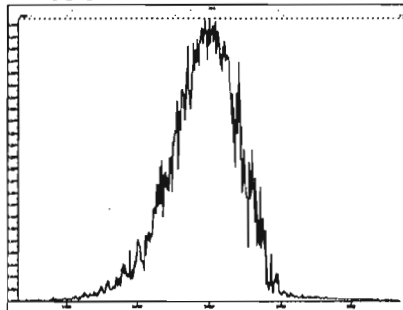
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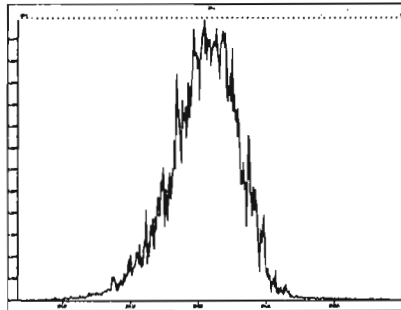
M 254.9856 R 11260



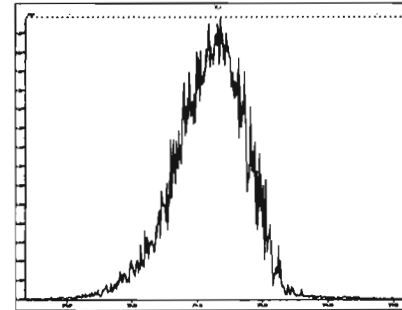
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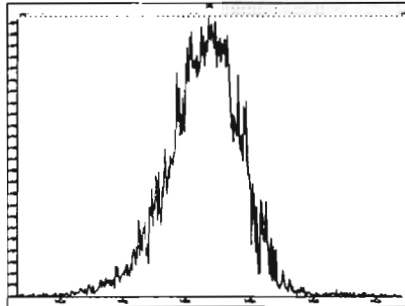
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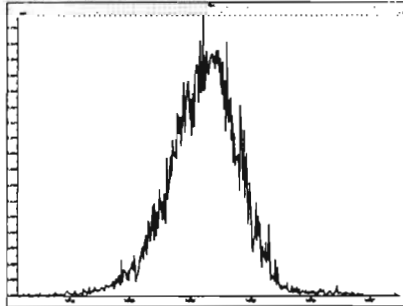
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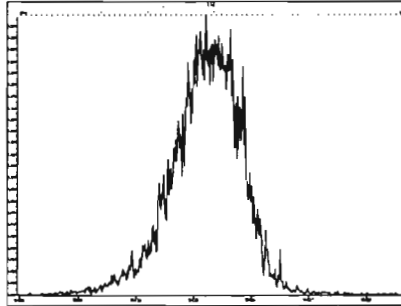
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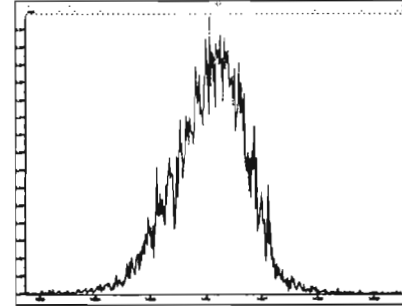
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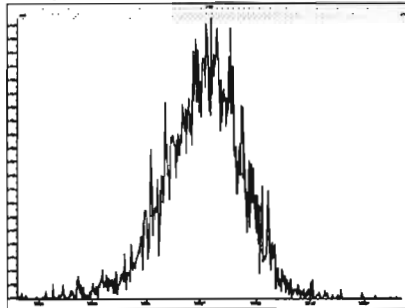
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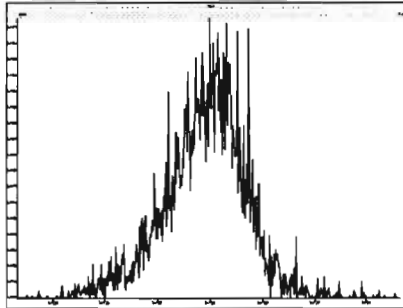
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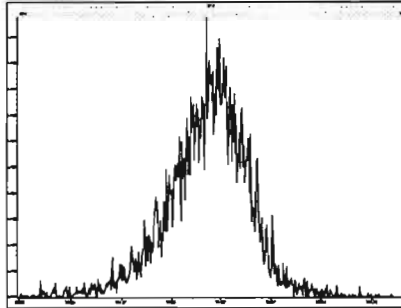
M 354.9792 R 13022



M 366.9792 R 11792



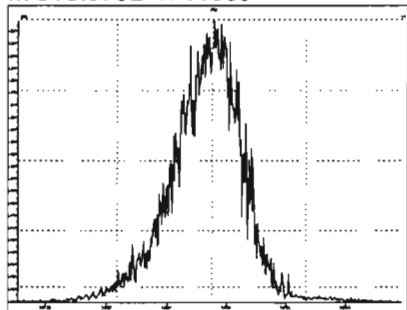
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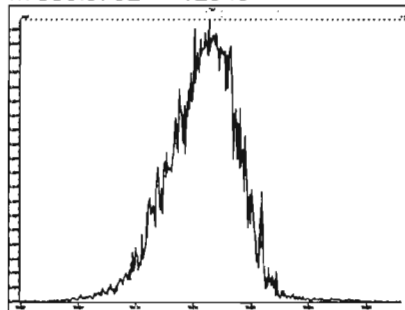
File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, June 17, 2020 13:10:17 Pacific Daylight Time

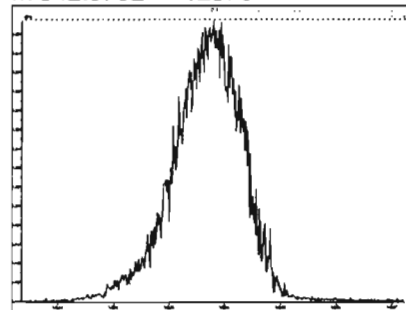
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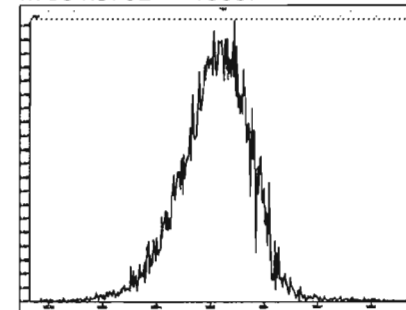
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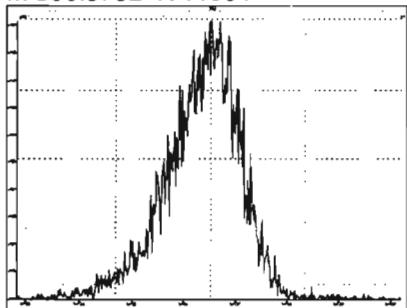
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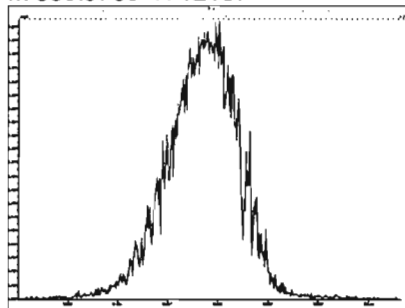
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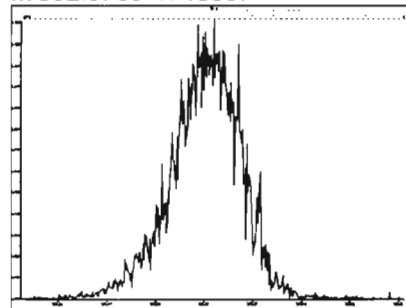
M 366.9792 R 11964



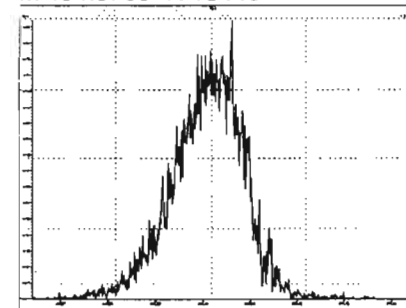
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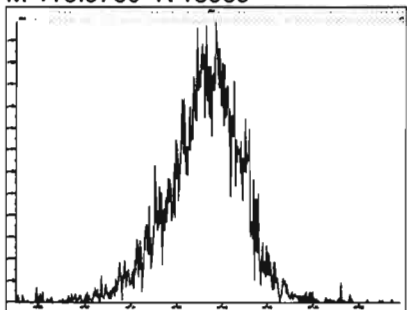
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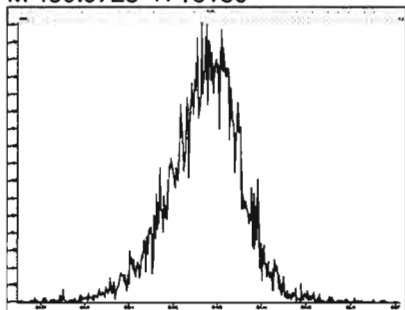
M 404.9760 R 13445



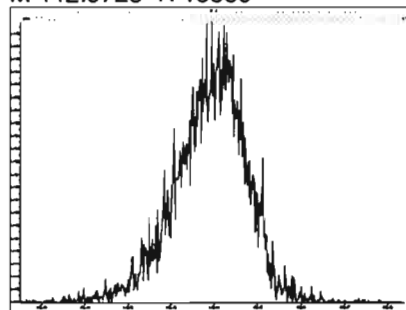
M 416.9760 R 13969



M 430.9728 R 13159



M 442.9728 R 13889



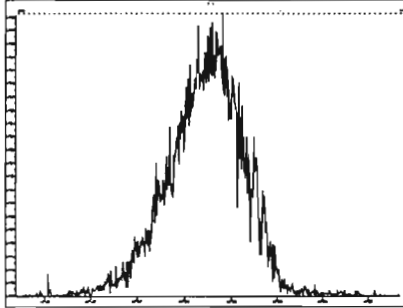
Experiment Calibration Report

MassLynx 4.1 SCN815

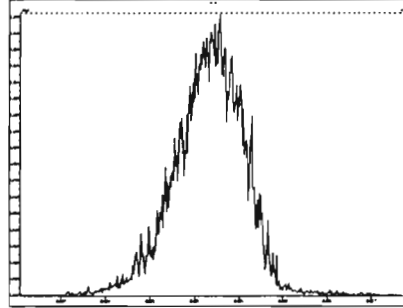
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Printed: Wednesday, June 17, 2020 13:10:46 Pacific Daylight Time

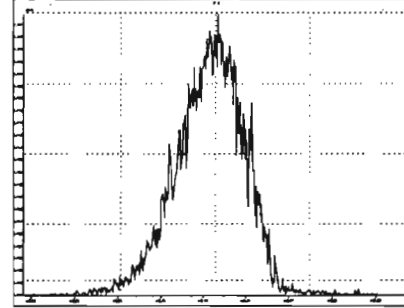
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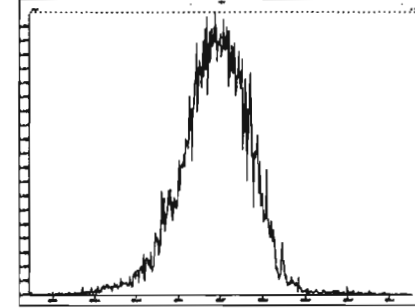
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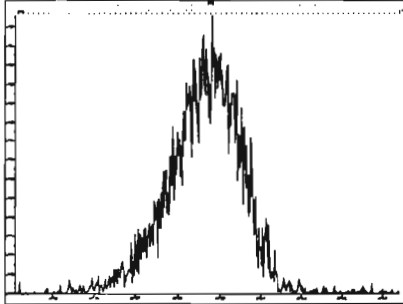
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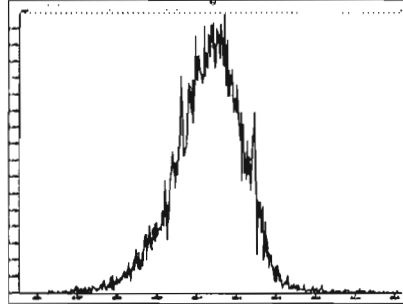
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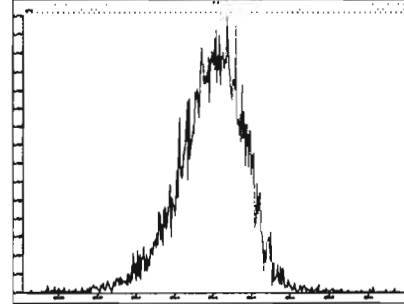
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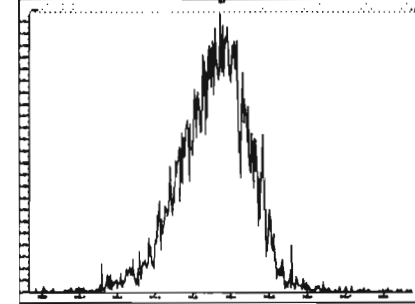
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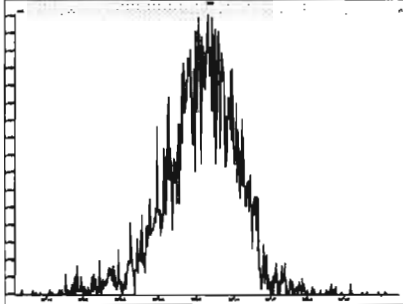
M 492.9696 R 13966



M 504.9696 R 13226



M 516.9697 R 15530



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Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time

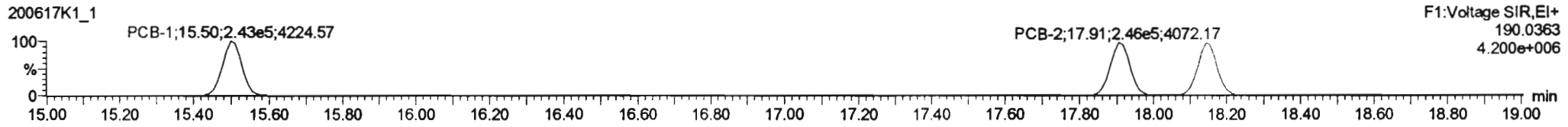
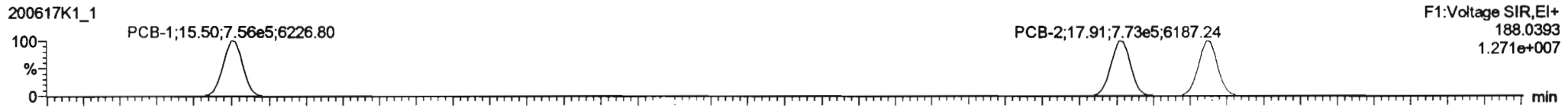
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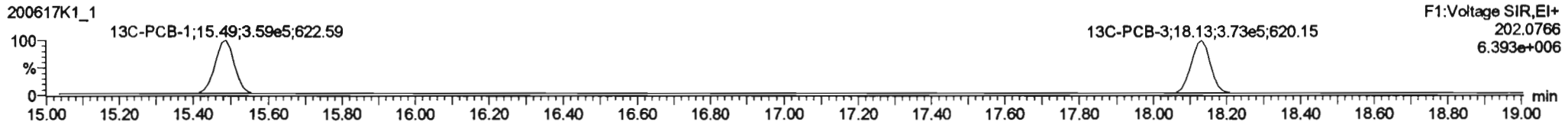
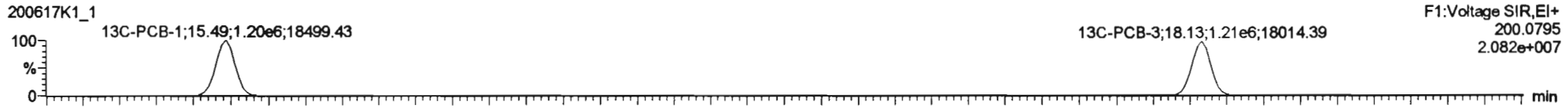
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Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

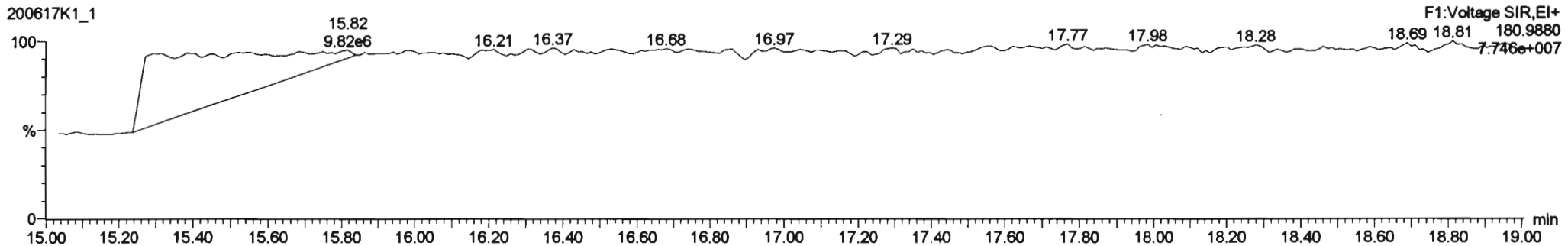
**PCB-1**



**13C-PCB-1**



**PFK1**



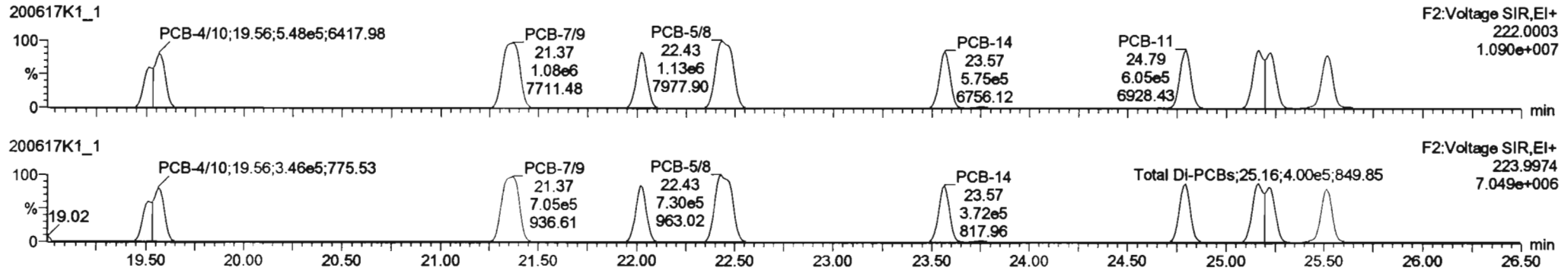


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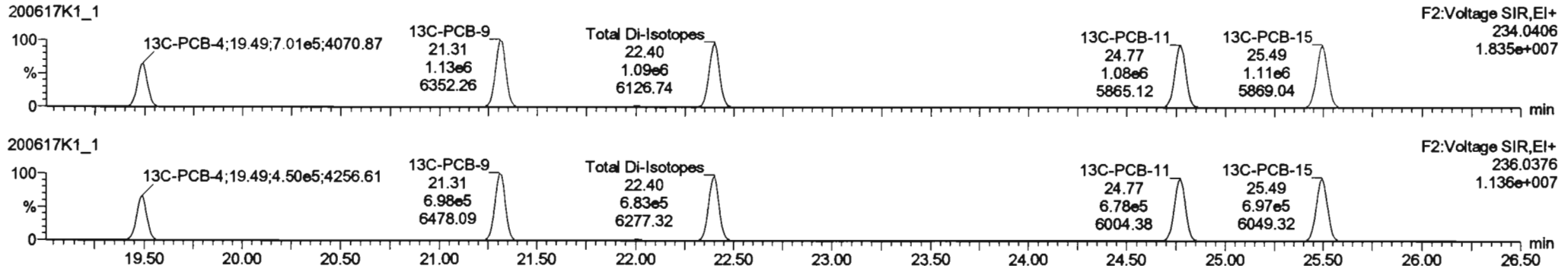
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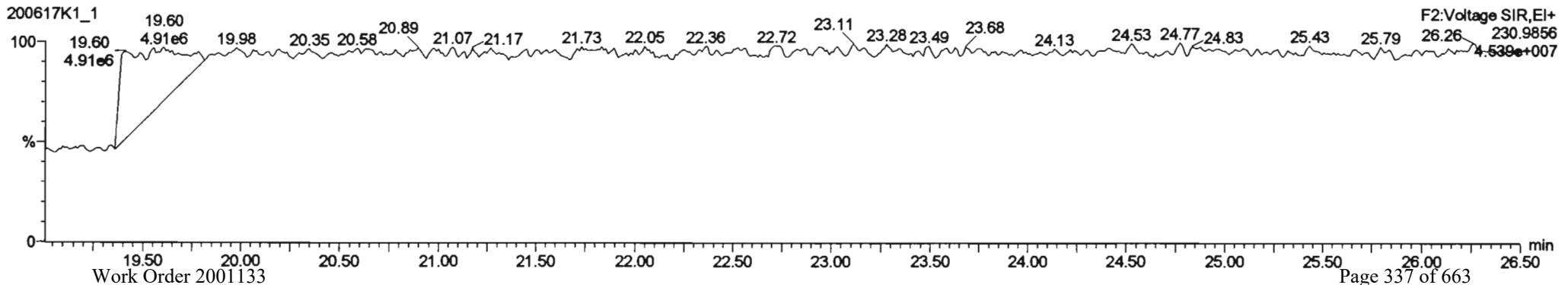
**PCB-4/10**



**13C-PCB-4**



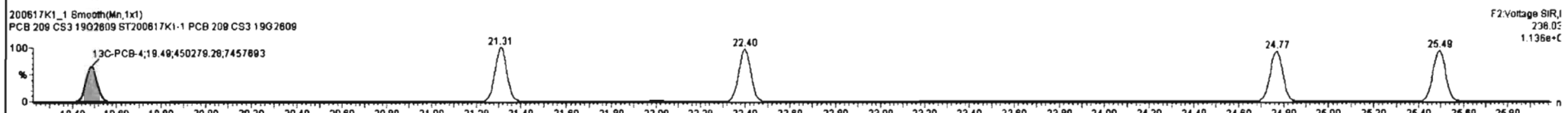
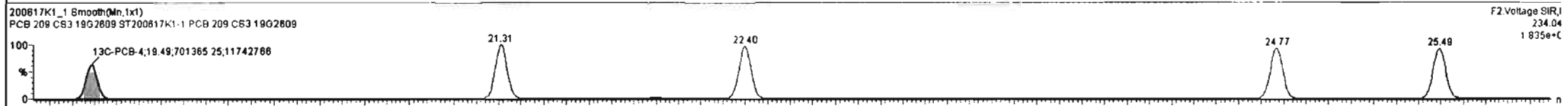
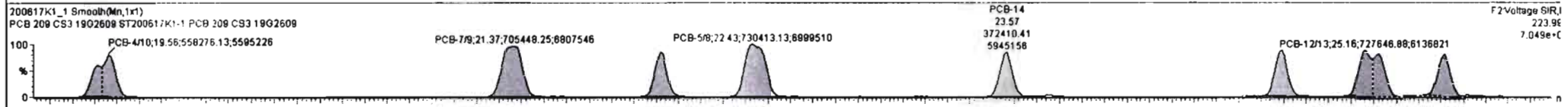
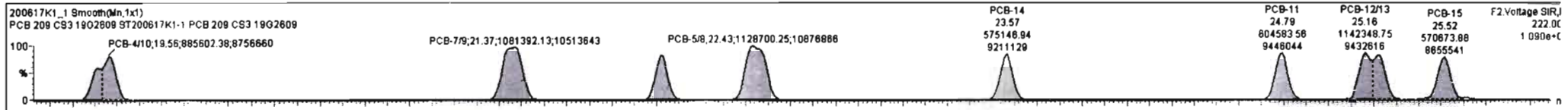
**PFK2a**





#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred_RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
223	13C-PCB-178	3.93e5	0.44	NO	1.0508	1.000	45.85	45.85	0.923	0.923	NO	96.82	96.8	0.0857	
224	Total Mono-PCBs				1.1685	1.000	0.00		0.000		NO	184.0		0.0595	184.0
225	Total Di-PCBs				1.2937	1.000	0.00		0.000		NO	812.9		0.467	812.8
226	2nd Function Tri-PCBs				1.0807	1.000	0.00		0.000		NO	454.8		0.184	454.8
227	3rd Function Tri-PCBs				0.9828	1.000	0.00		0.000		NO	839.8		0.486	839.6
228	Total Tetra-PCBs				1.0778	1.000	0.00		0.000		NO	2347		1.01	2347
229	3rd Function Penta-PCBs				1.3157	1.000	0.00		0.000		NO	2287		0.875	2287
230	4th Function Penta-PCBs				1.0735	1.000	0.00		0.000		NO	288.2		0.187	288.2
231	3rd Function Hexa-PCBs				0.9505	1.000	0.00		0.000		NO	787.5		0.311	787.5

#	Name	Pred_RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
4	PCB-410	19.57	19.58	8.856e5	5.583e5	1.580	1.59	NO	100.45	100.45
5	PCB-7/9	21.38	21.37	1.081e8	7.054e5	1.580	1.53	NO	102.09	102.09
6	PCB-5/8	22.01	22.02	5.830e5	3.718e5	1.580	1.52	NO	50.089	50.089
7	PCB-5/8	22.42	22.43	1.129e8	7.304e5	1.580	1.55	NO	102.75	102.75
8	PCB-14	23.57	23.57	5.751e5	3.724e5	1.580	1.54	NO	52.878	52.878
9	PCB-11	24.79	24.79	8.048e5	3.888e5	1.580	1.55	NO	50.105	50.105
10	PCB-12/13	25.22	25.16	1.142e8	7.278e5	1.580	1.57	NO	103.40	103.40
11	PCB-15	25.53	25.52	5.707e5	3.817e5	1.580	1.58	NO	51.145	51.145

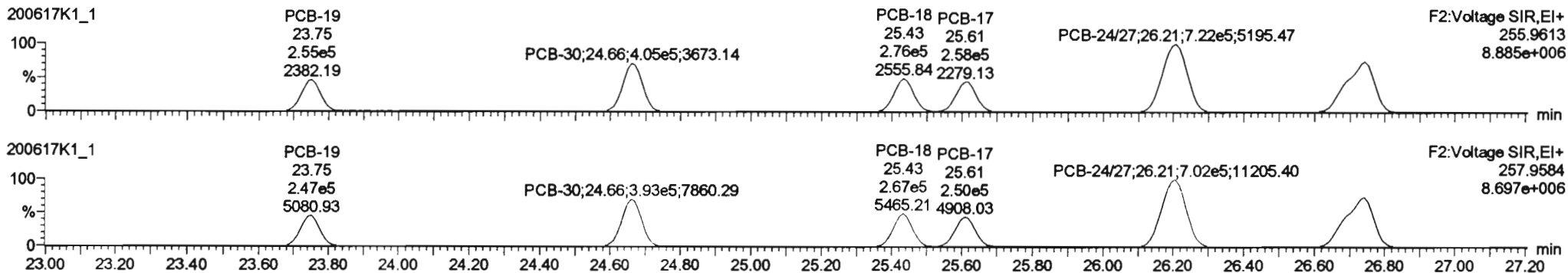


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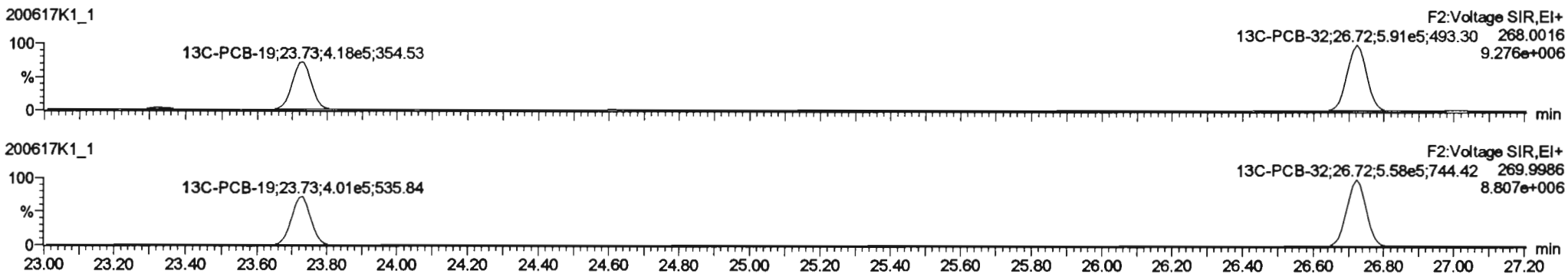
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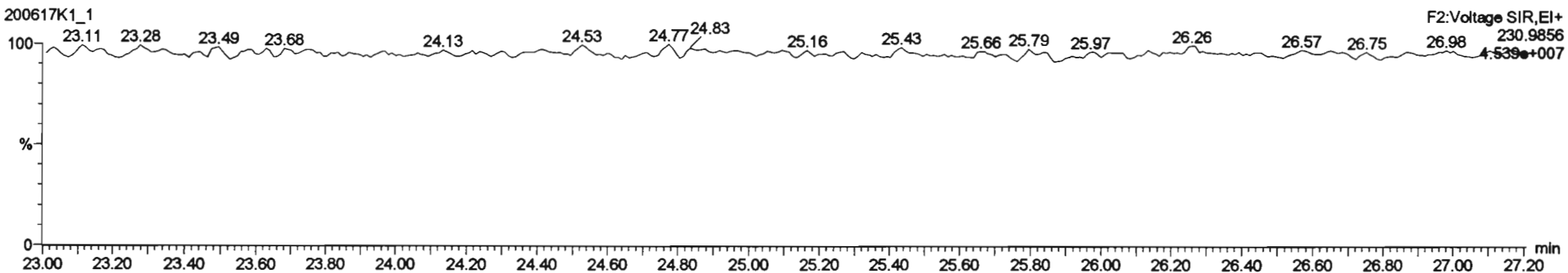
**PCB-19**



**13C-PCB-19**



**PFK2b**

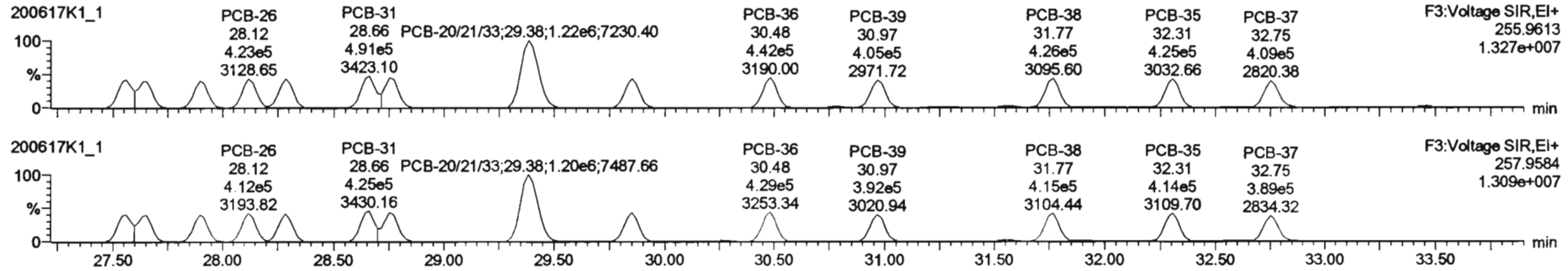


Dataset: Untitled

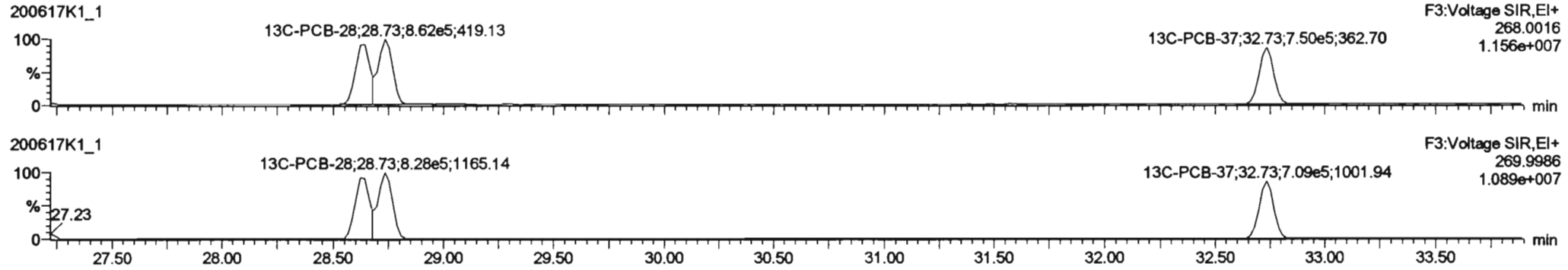
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

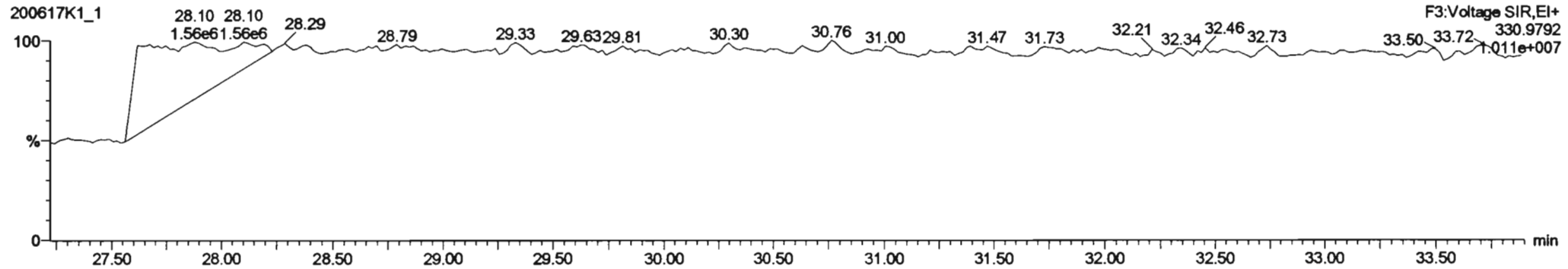
**PCB-34**

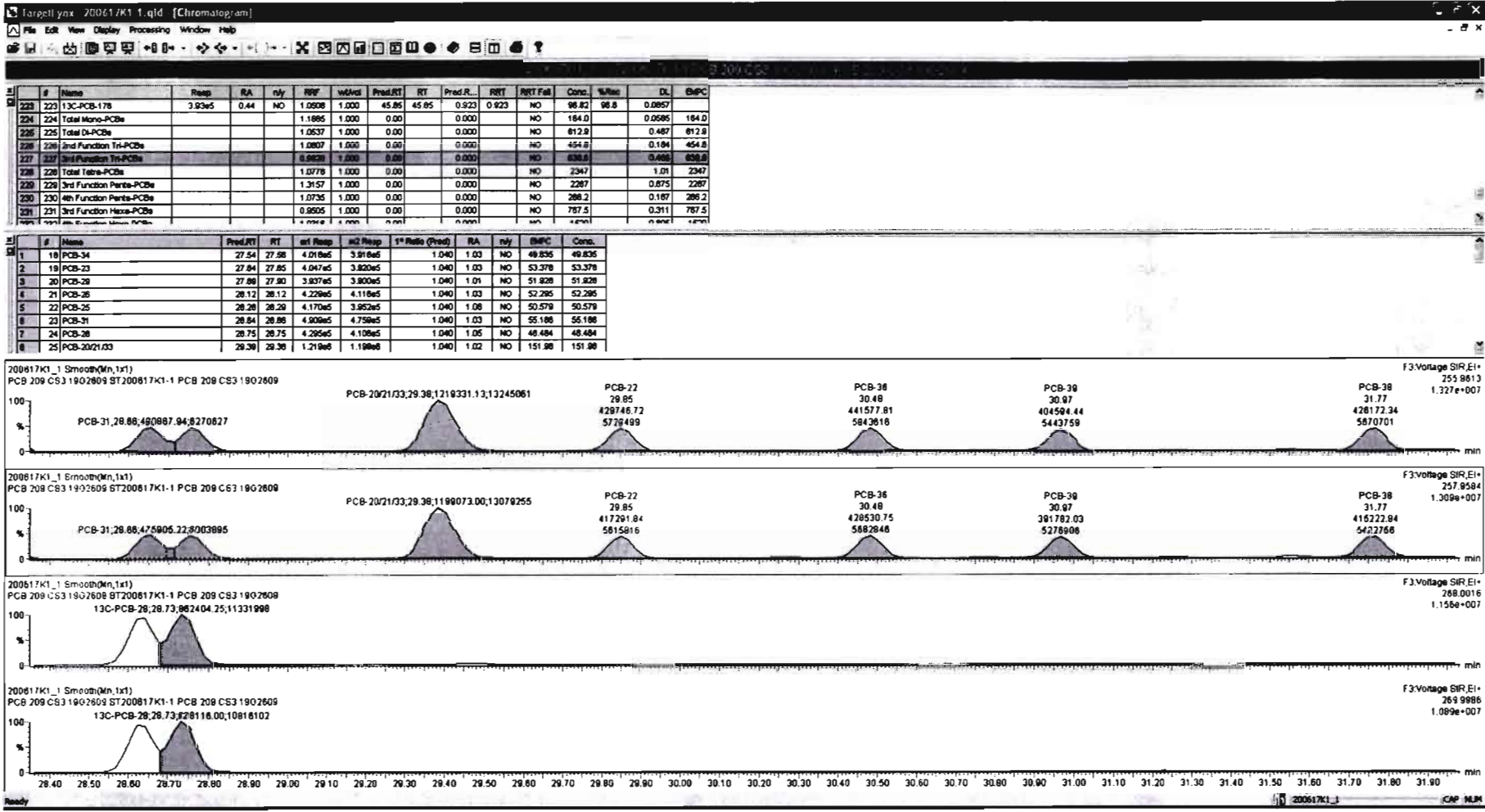


**13C-PCB-28**



**PFK3d**





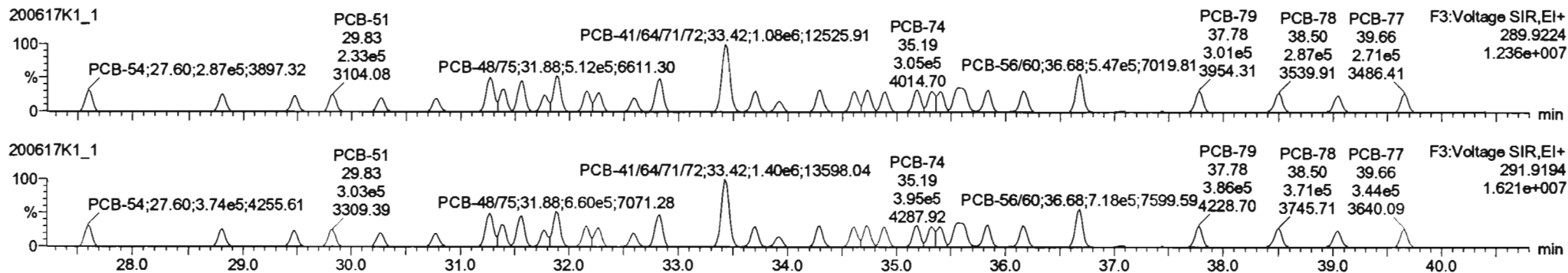


Dataset: Untitled

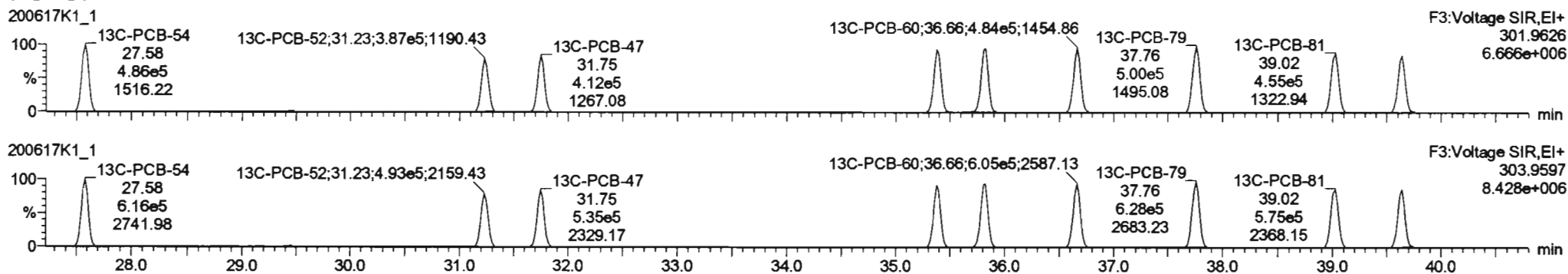
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
 Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

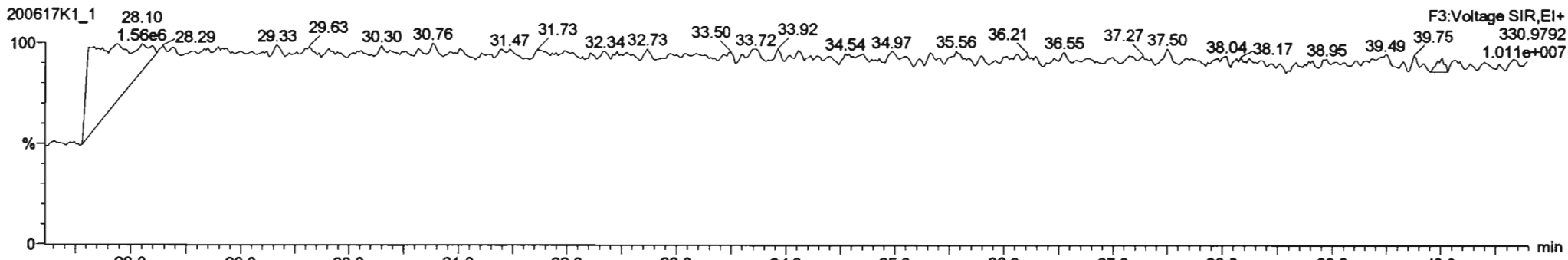
**PCB-54**



**13C-PCB-54**



**PFK3a**



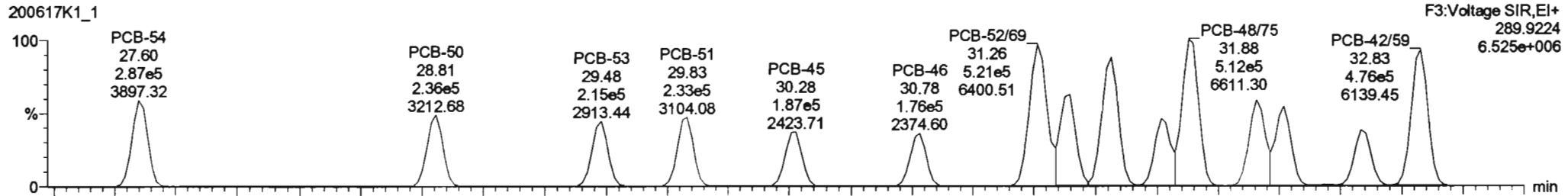
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Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

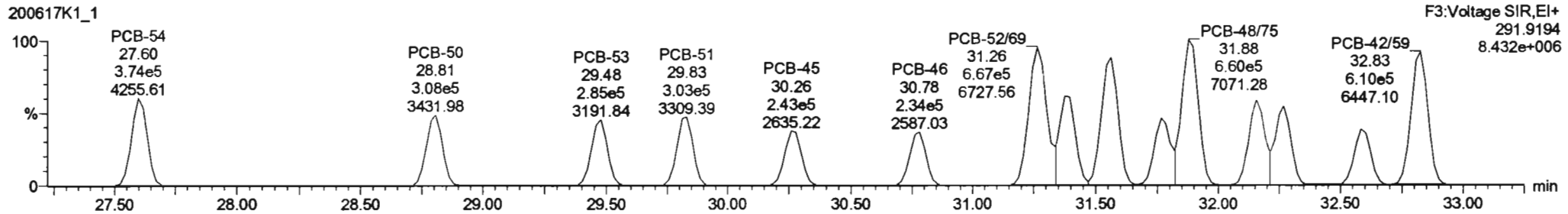
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**PCB-50**

200617K1\_1

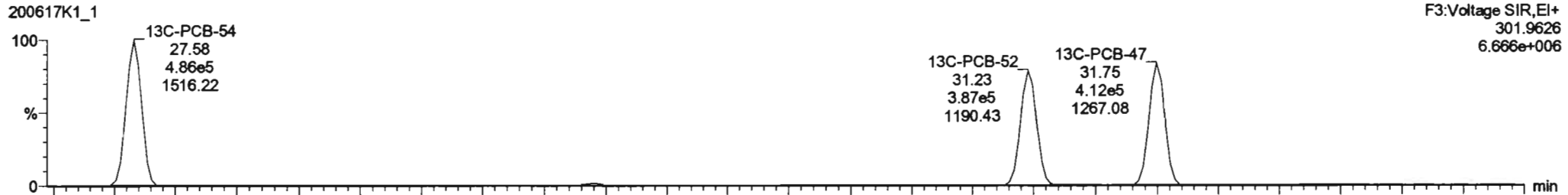


200617K1\_1

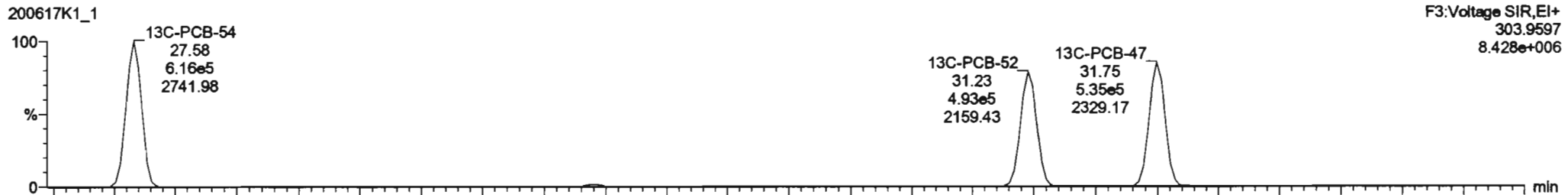


**13C-PCB-52**

200617K1\_1



200617K1\_1

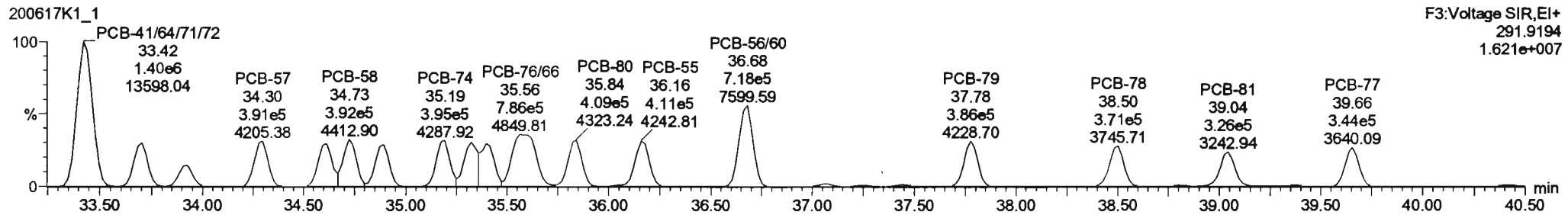
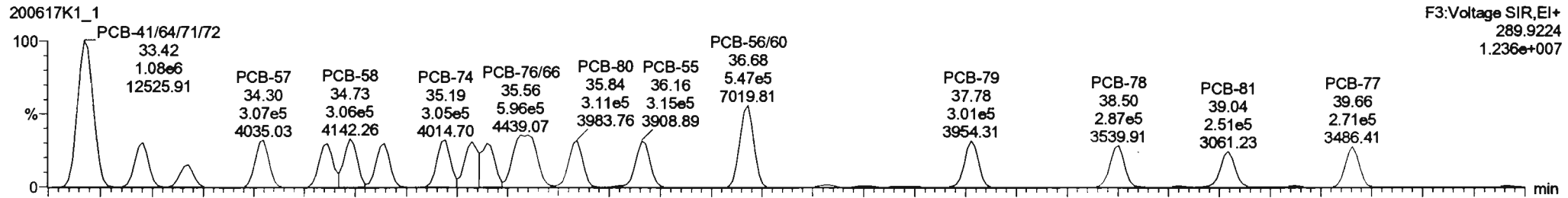


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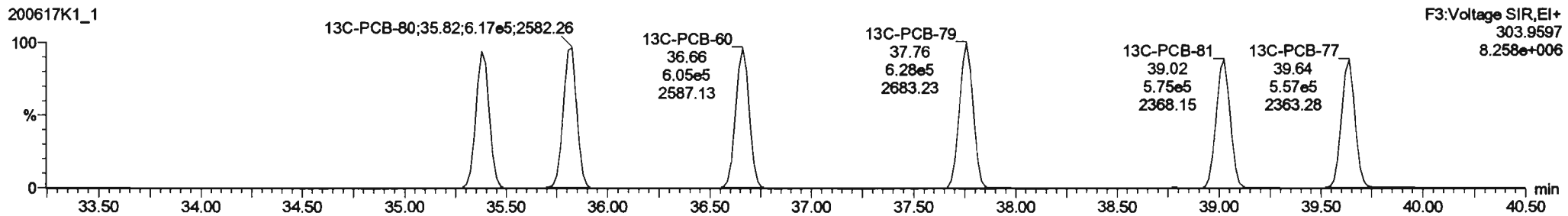
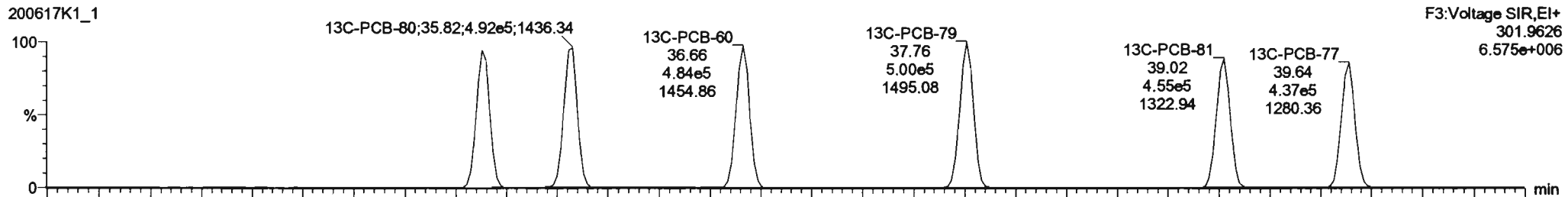
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
 Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

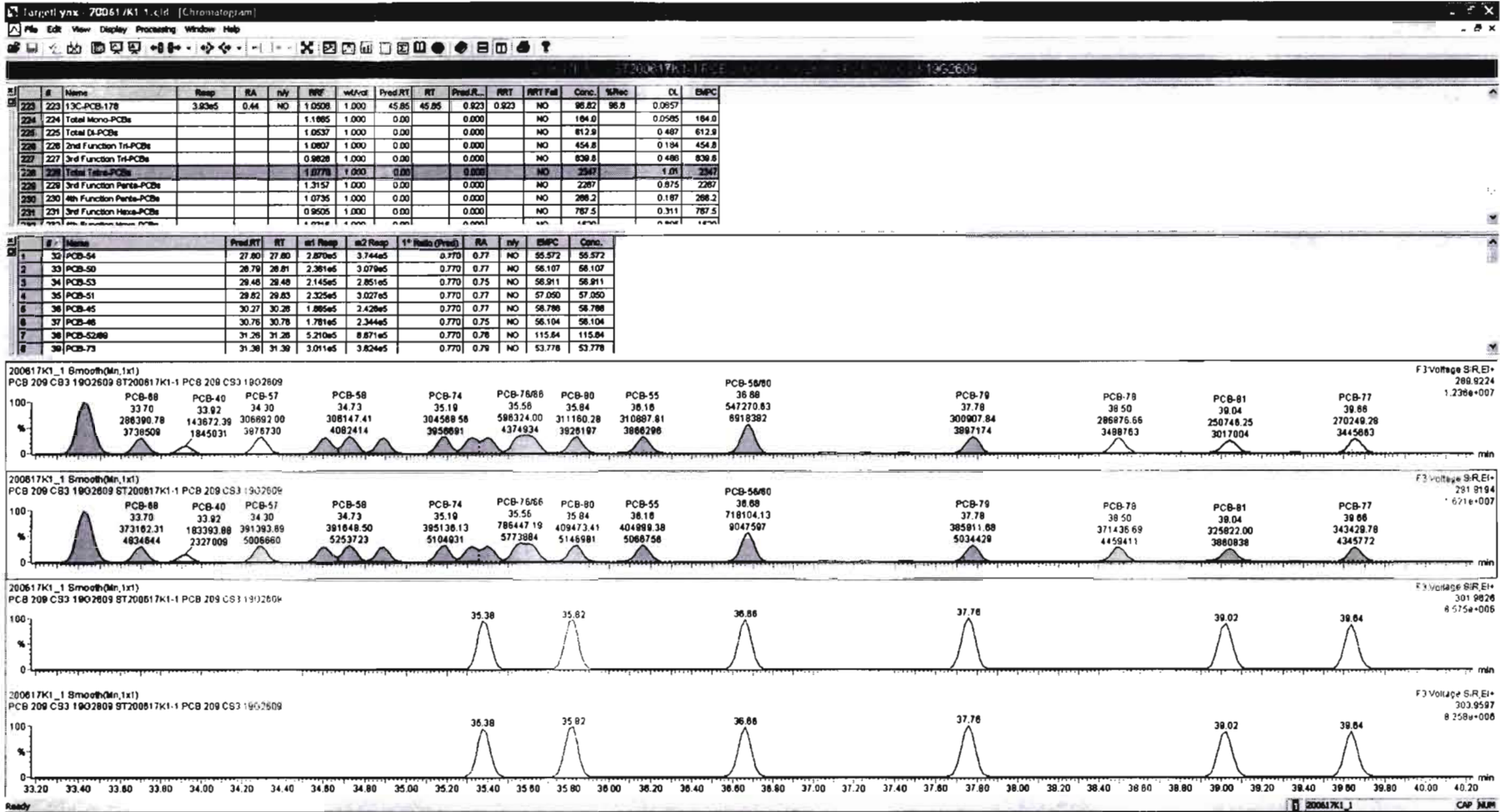
Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-68**



**13C-PCB-60**



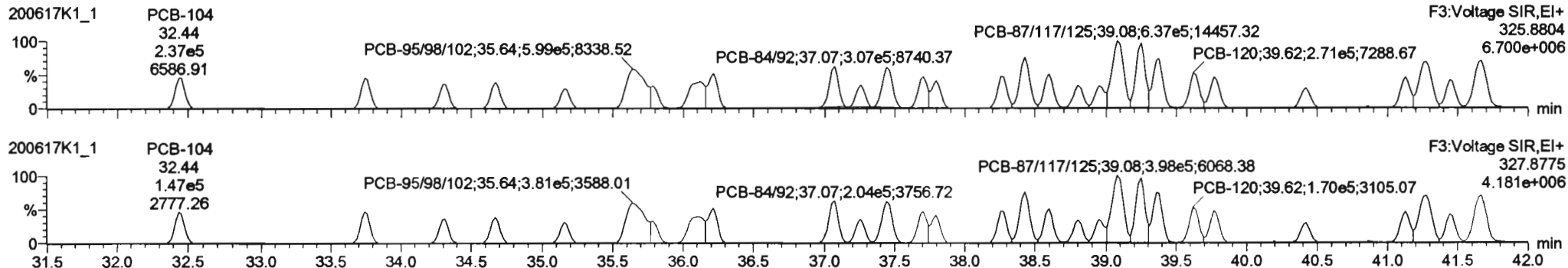


Dataset: Untitled

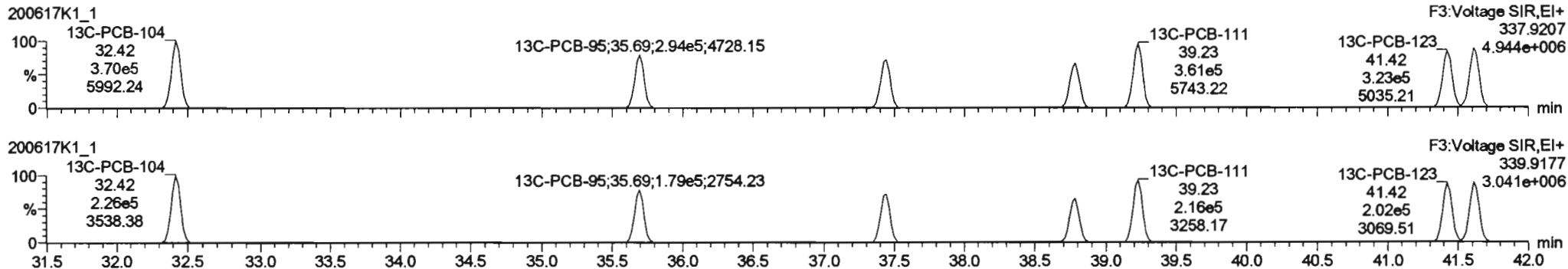
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

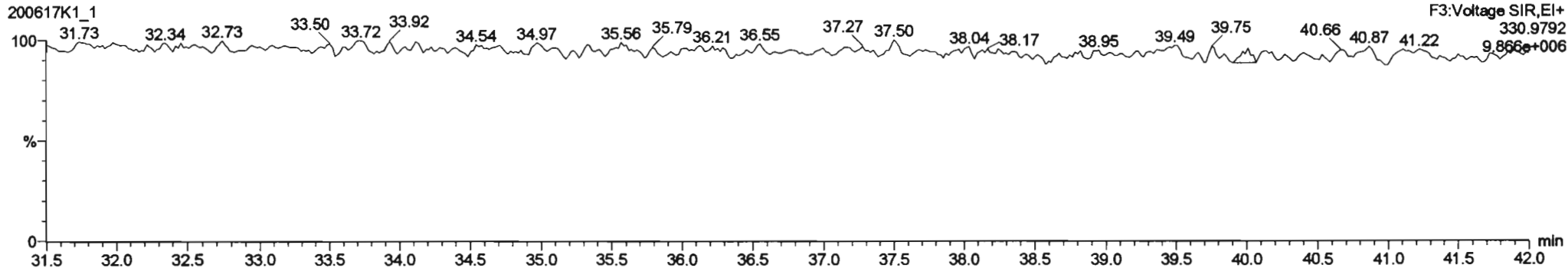
**PCB-104**



**13C-PCB-104**



**PFK3b**





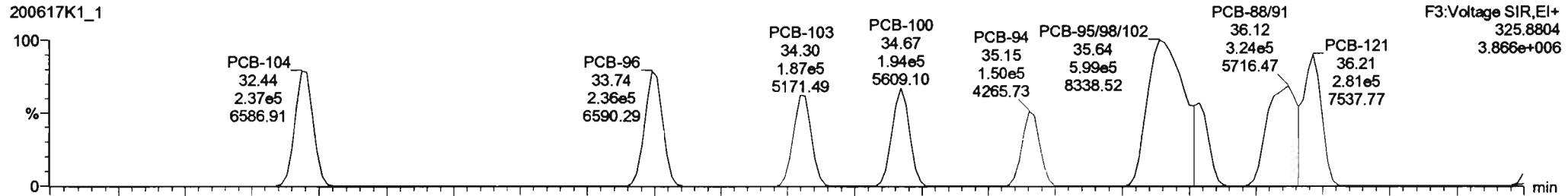
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Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

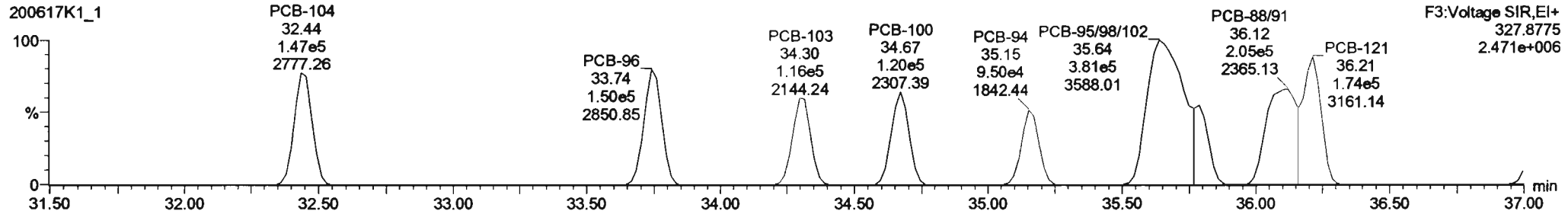
Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-96**

200617K1\_1

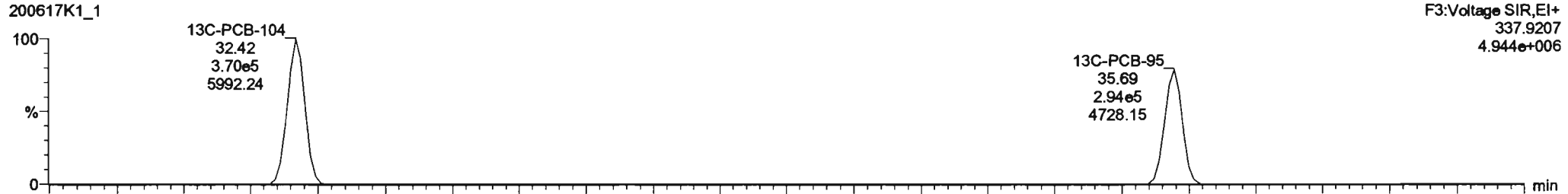


200617K1\_1

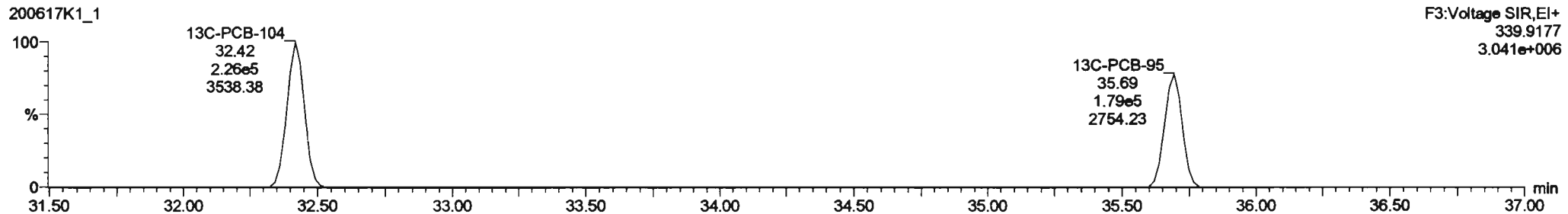


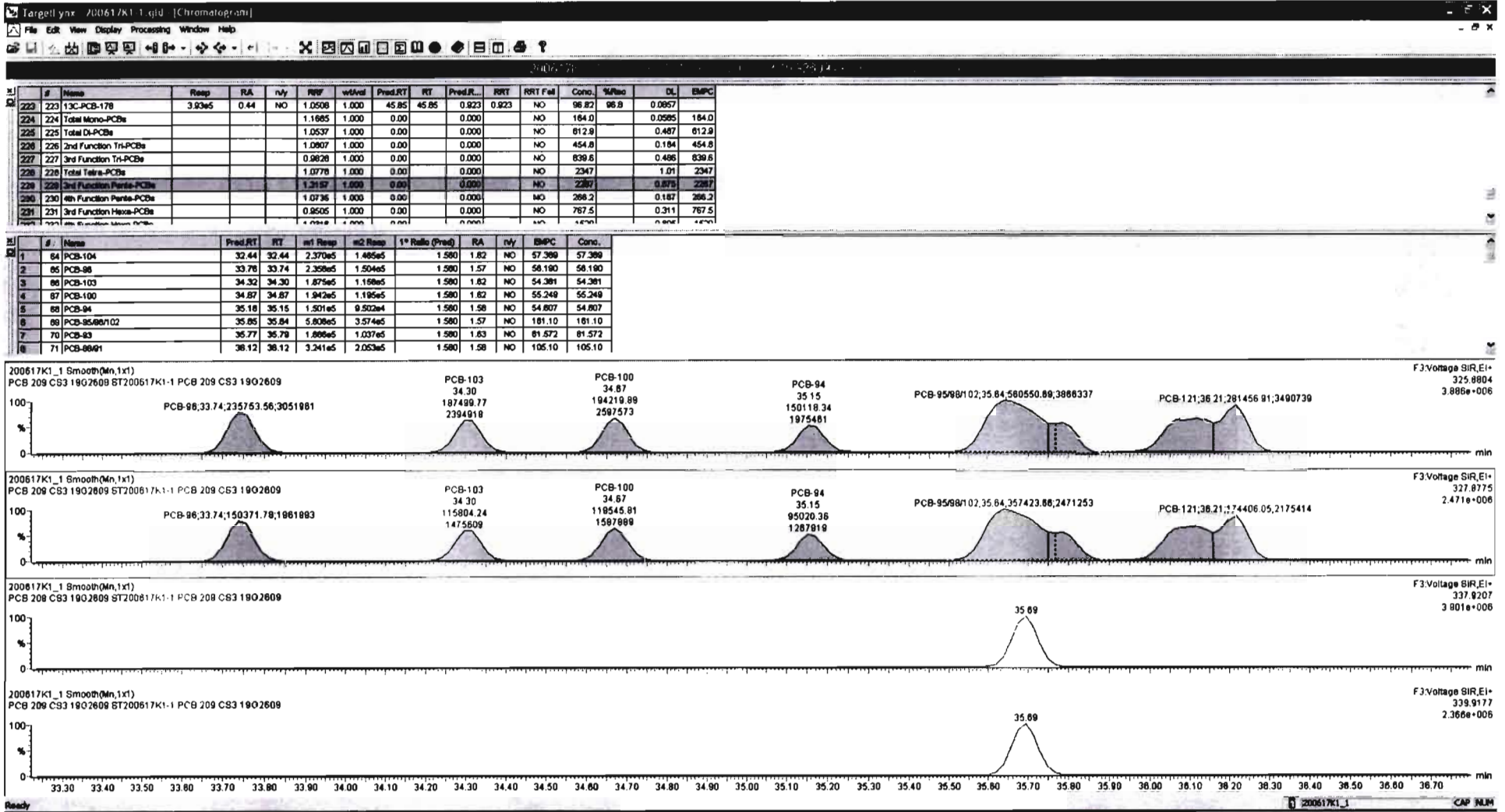
**13C-PCB-95**

200617K1\_1



200617K1\_1



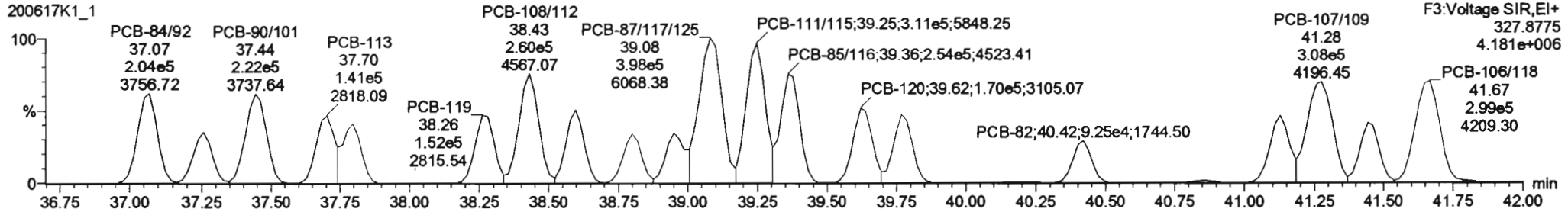
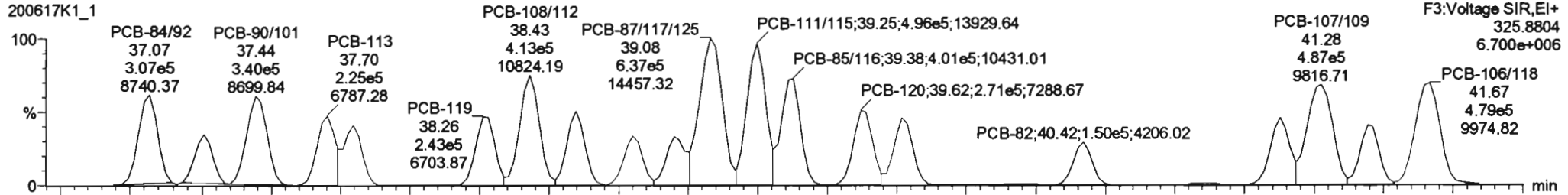


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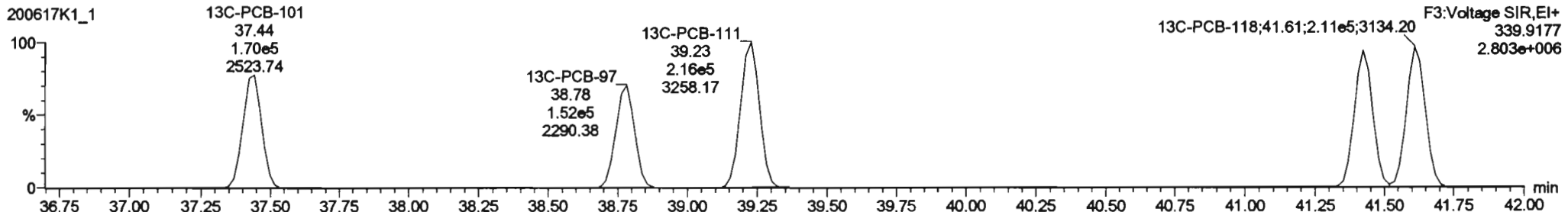
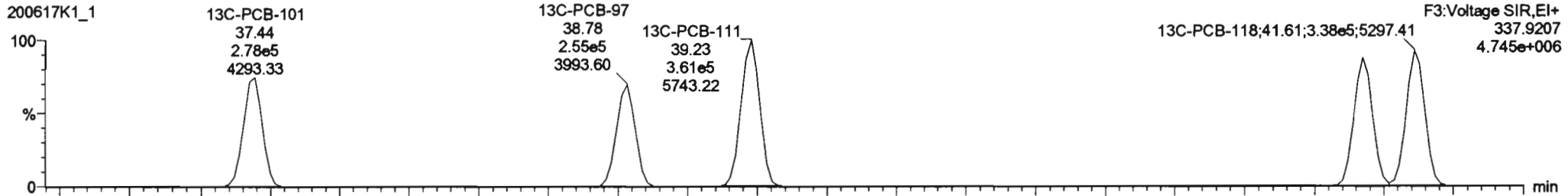
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

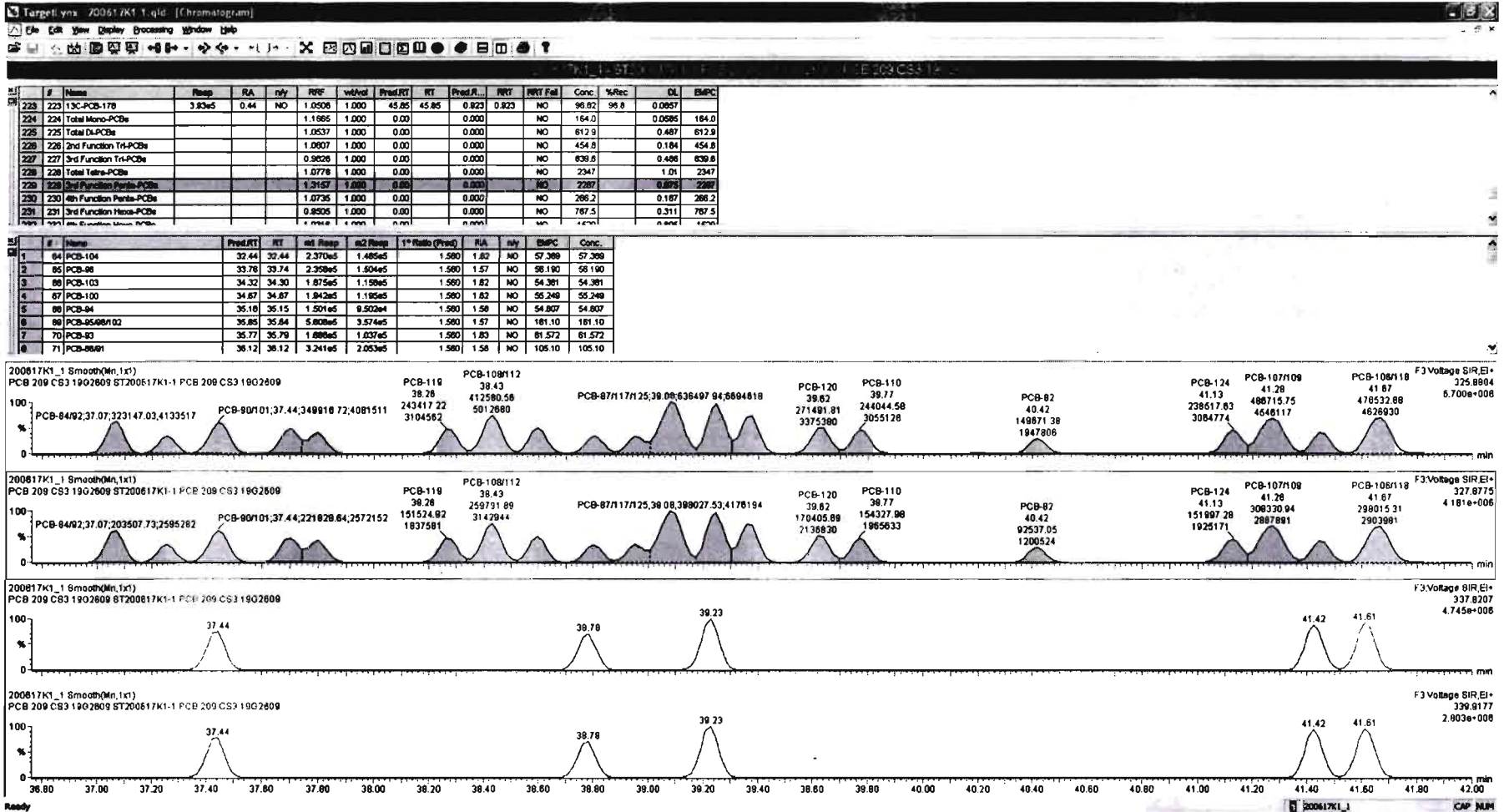
Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

PCB-119



13C-PCB-111



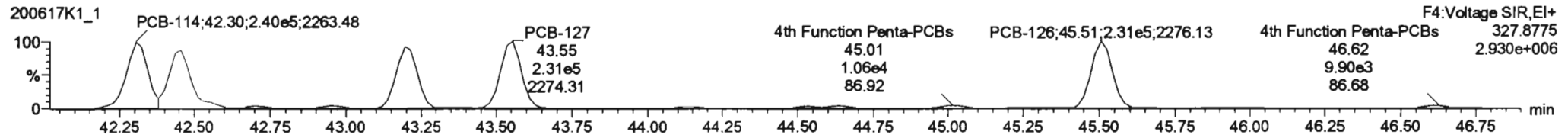
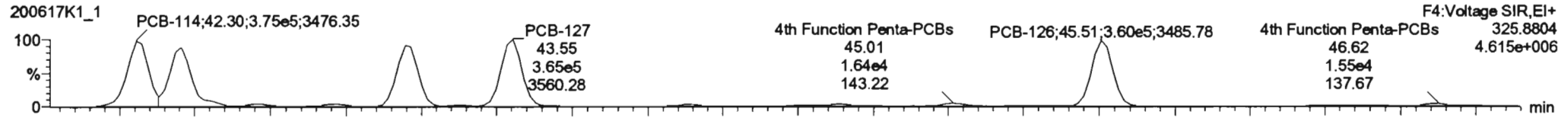


Dataset: Untitled

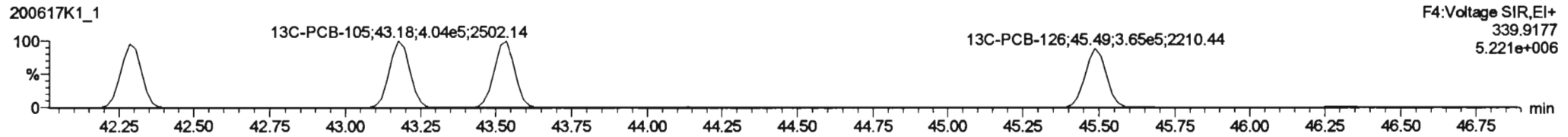
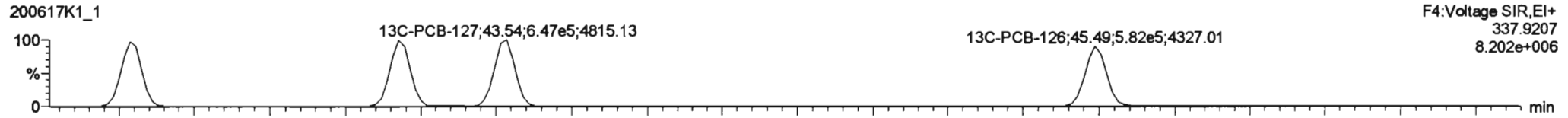
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

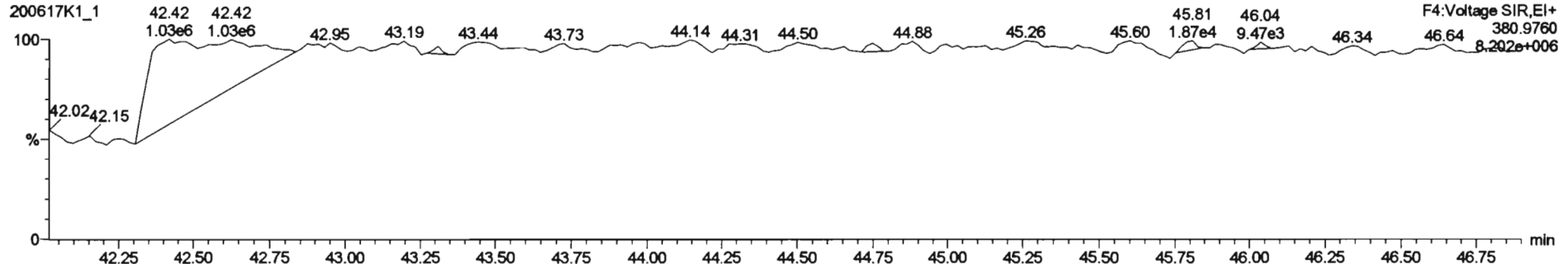
**PCB-114**



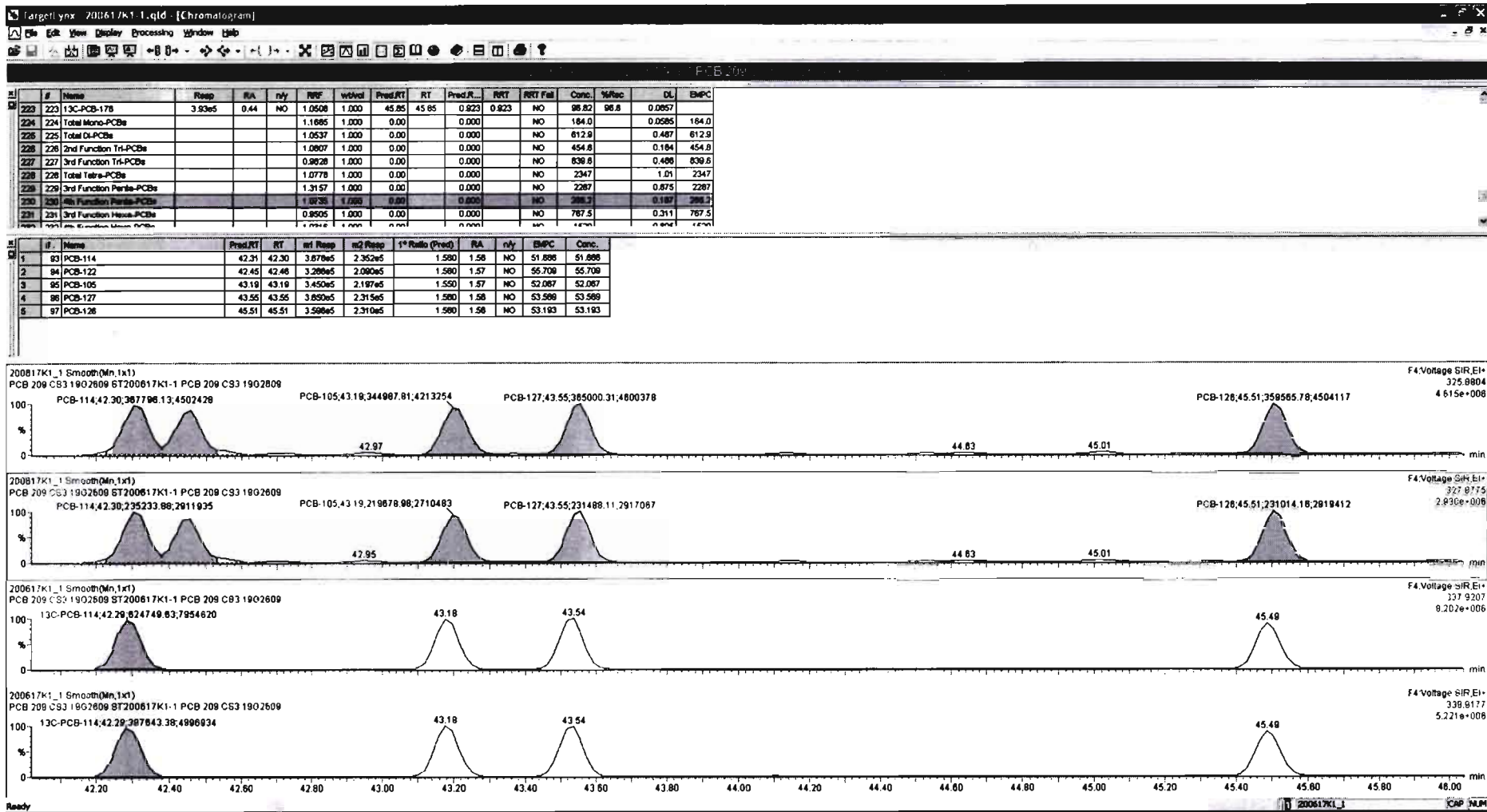
**13C-PCB-114**



**PFK4a**







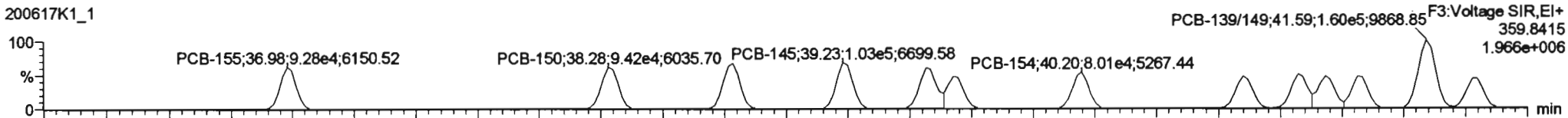
Dataset: Untitled

Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

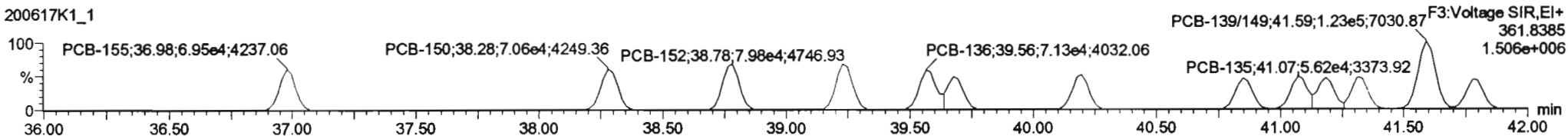
Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-155**

200617K1\_1

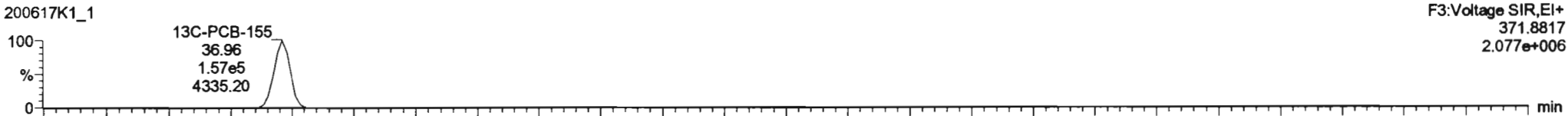


200617K1\_1

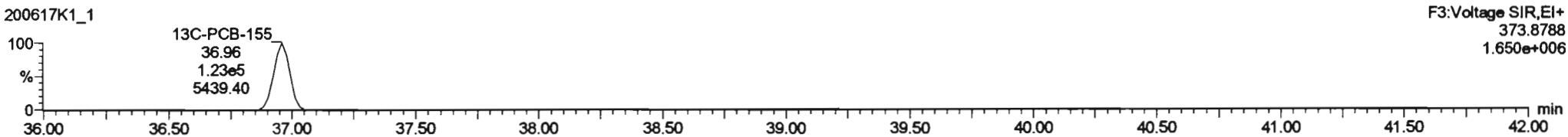


**13C-PCB-155**

200617K1\_1

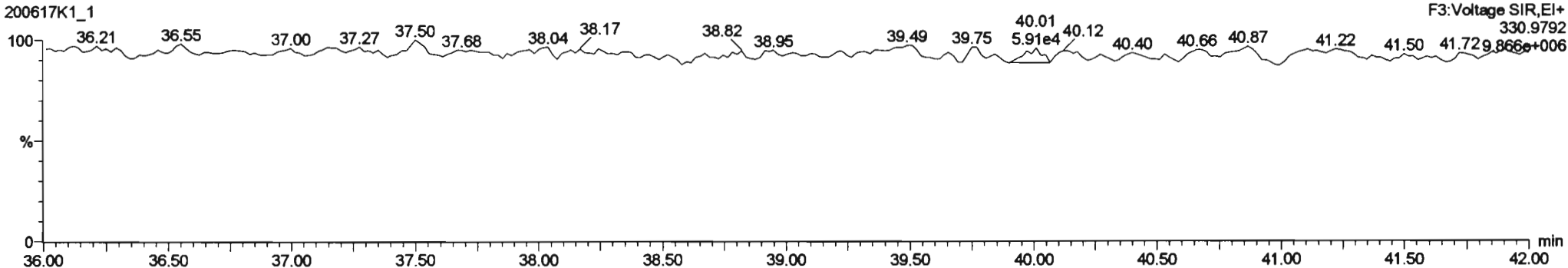


200617K1\_1



**PFK3c**

200617K1\_1

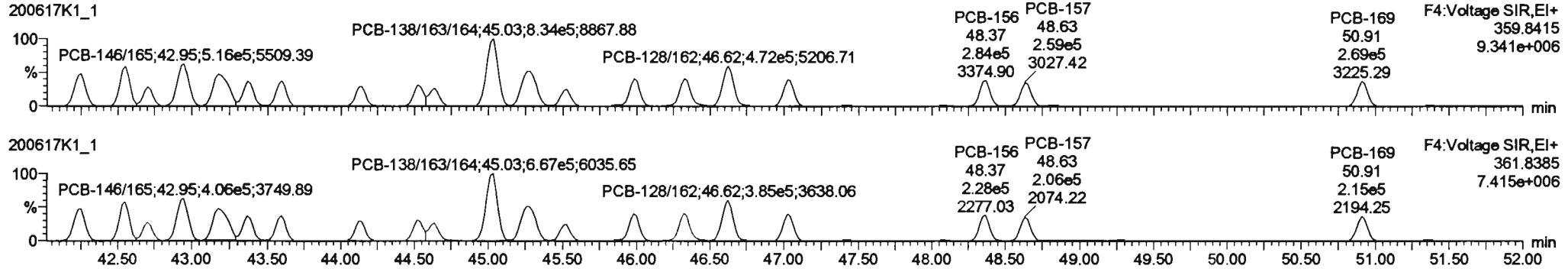


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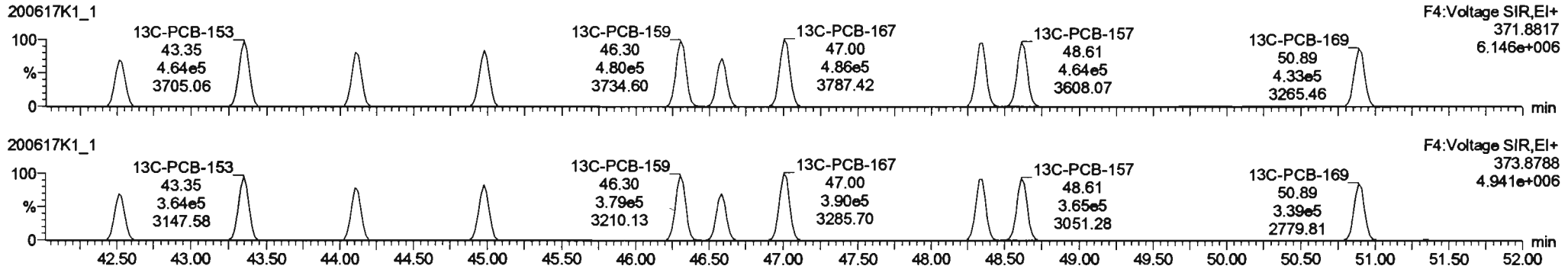
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

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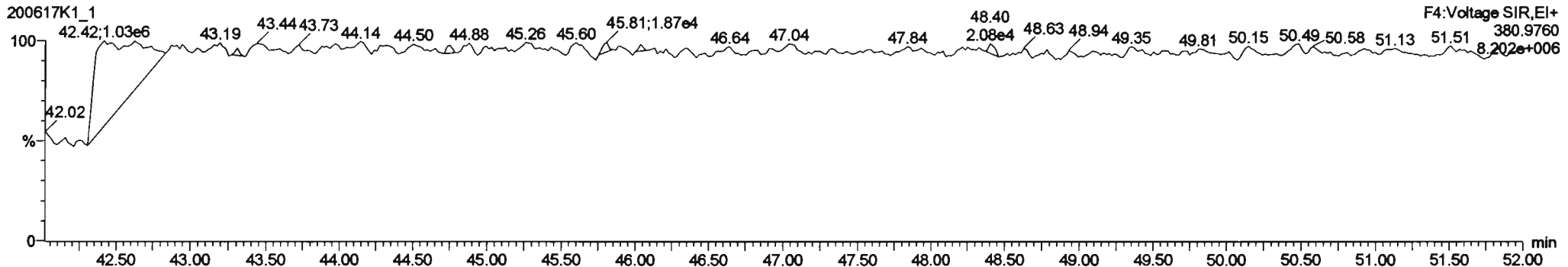
PCB-134/143

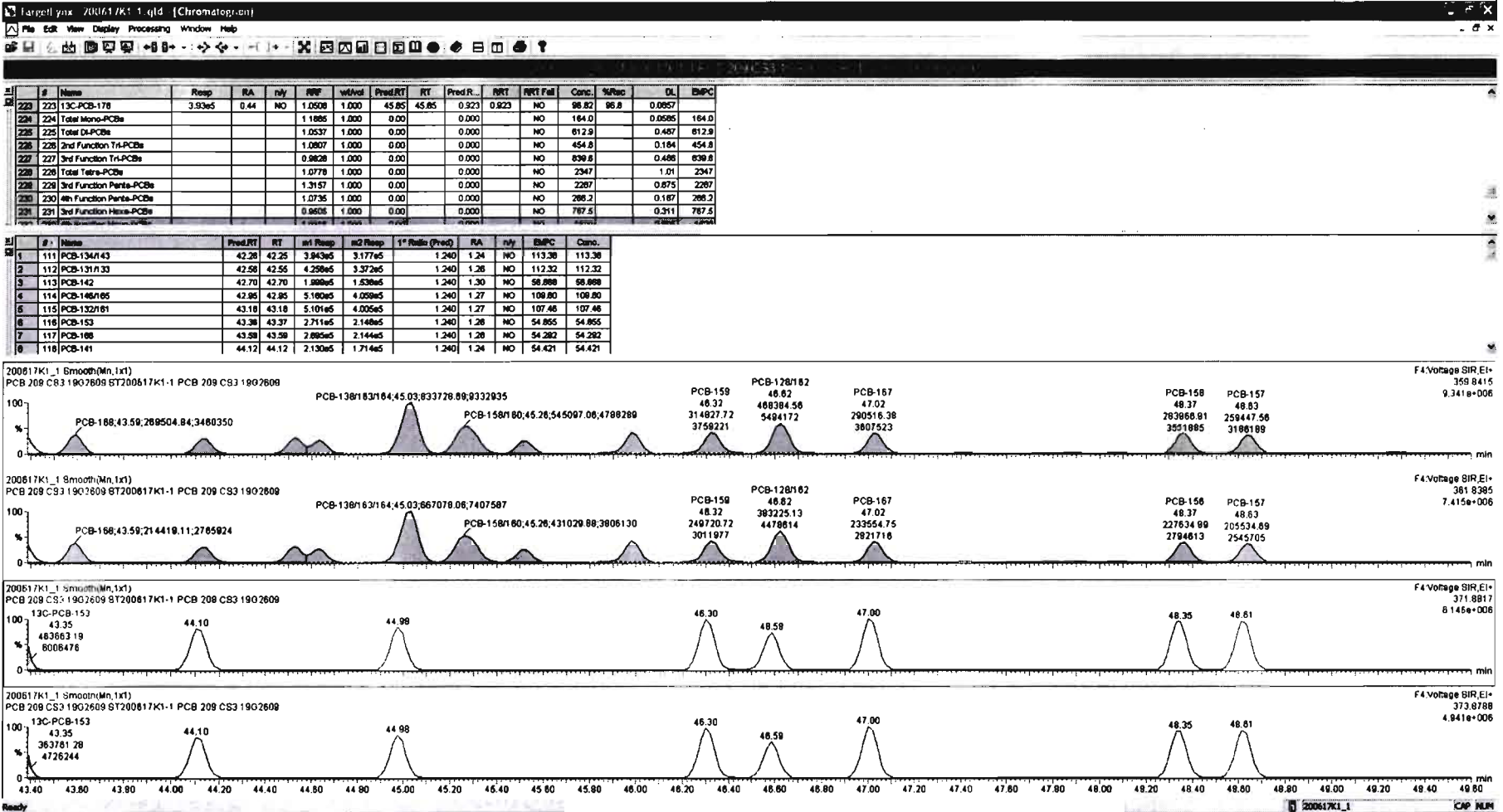


13C-PCB-153



PFK4b





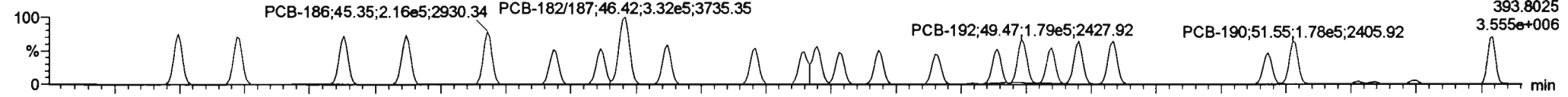
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Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

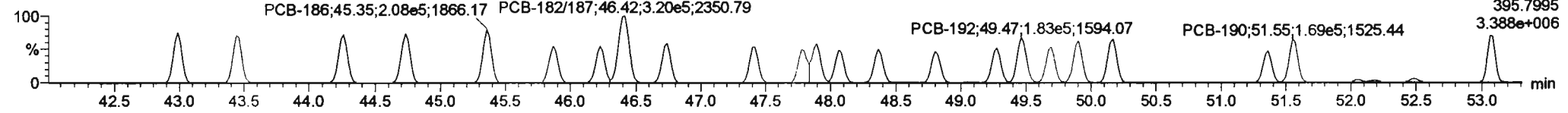
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**PCB-188**

200617K1\_1

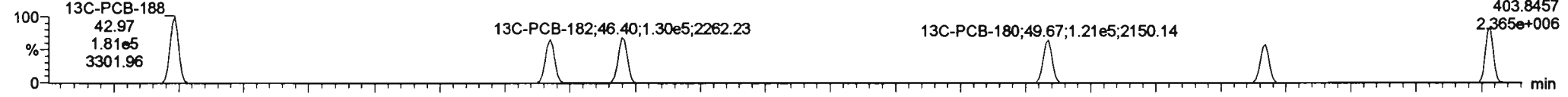


200617K1\_1

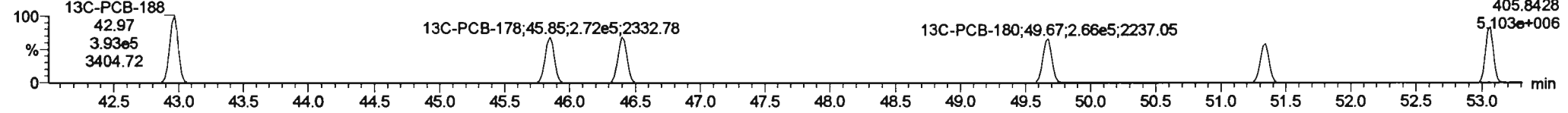


**13C-PCB-188**

200617K1\_1

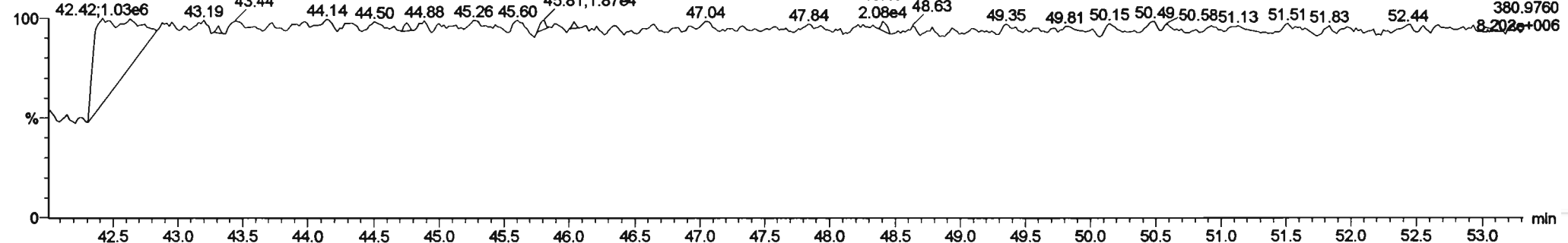


200617K1\_1



**PFK4c**

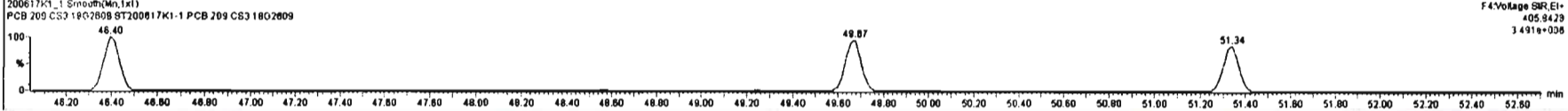
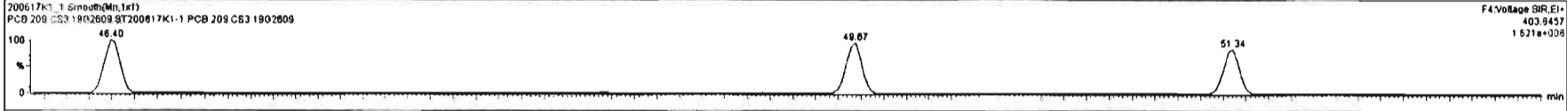
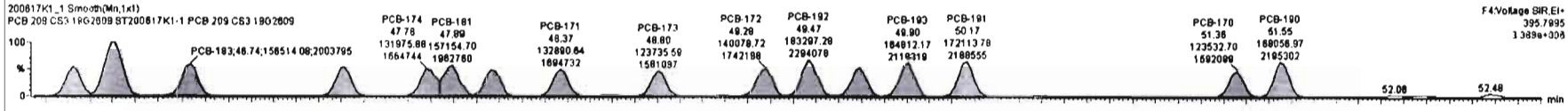
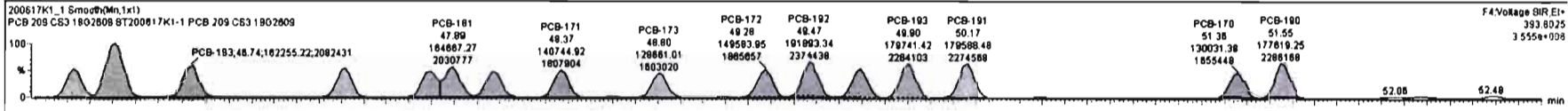
200617K1\_1





#	Name	Resp	RA	rly	RF	w/wtd	Prod.RT	RT	Prod.R...	RTT	RTT Fat	Conc.	%Rec	DL	EMPC
233	233 Total High-Peaks				1.3891	1.000	0.000		0.000		NO	1280		1.44	1280
234	234 4th Function Octa-PCBs				1.0008	1.000	0.001		0.000		NO	518.1		0.334	518.1
235	235 5th Function Octa-PCBs				1.1498	1.000	0.001		0.000		NO	153.1		0.188	153.1
236	236 Total Nona-PCBs				0.9523	1.000	0.001		0.000		NO	158.8		0.188	158.8
237	237 Deca-CB				0.9894	1.000	0.001		0.000		NO	53.88		0.0248	53.88
238	238 Total PCBs														
239	239 Total Mono-isotopes														
240	240 Total Di-isotopes														
241	241 2nd Function Tri-isotopes														

#	Name	Prod.RT	RT	rel Resp	rel Resp	1° Ratio (Prod)	RA	rly	EMPC	Conc.
1	131 PCB-168	43.01	42.88	2.022e5	1.947e5	1.050	1.04	NO	53.823	53.823
2	132 PCB-164	43.44	43.44	2.008e5	1.905e5	1.050	1.05	NO	55.342	55.342
3	133 PCB-179	44.28	44.28	2.004e5	1.832e5	1.080	1.04	NO	52.822	52.822
4	134 PCB-176	44.72	44.73	2.038e5	1.952e5	1.050	1.04	NO	53.110	53.110
5	135 PCB-188	45.35	45.35	2.158e5	2.078e5	1.060	1.04	NO	55.508	55.508
6	136 PCB-178	45.87	45.87	1.480e5	1.430e5	1.050	1.02	NO	53.382	53.382
7	137 PCB-175	46.22	46.23	1.477e5	1.441e5	1.050	1.02	NO	53.144	53.144
8	138 PCB-182/187	46.40	46.42	3.318e5	3.188e5	1.050	1.04	NO	108.40	108.40



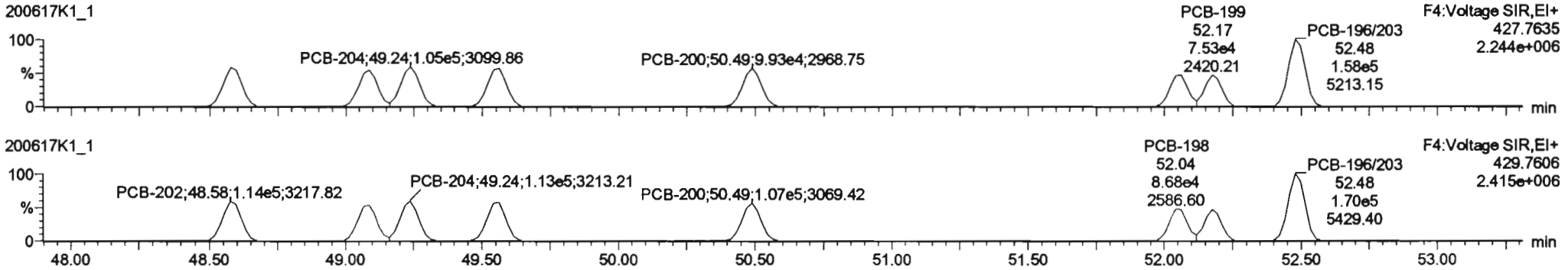
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Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

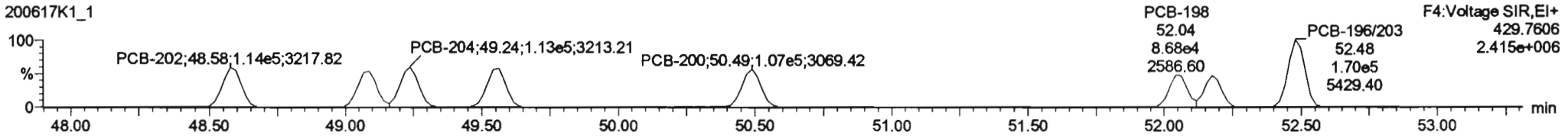
Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-202**

200617K1\_1

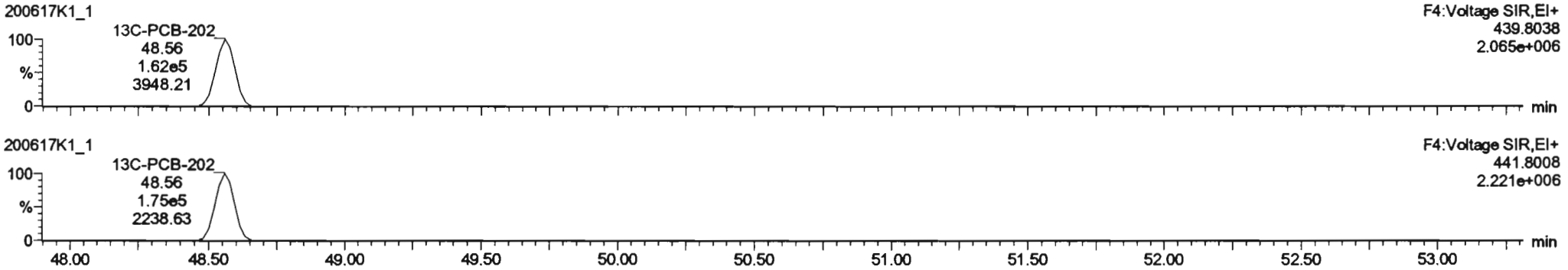


200617K1\_1

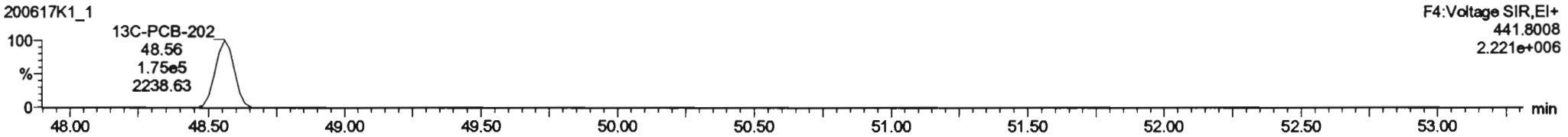


**13C-PCB-202**

200617K1\_1

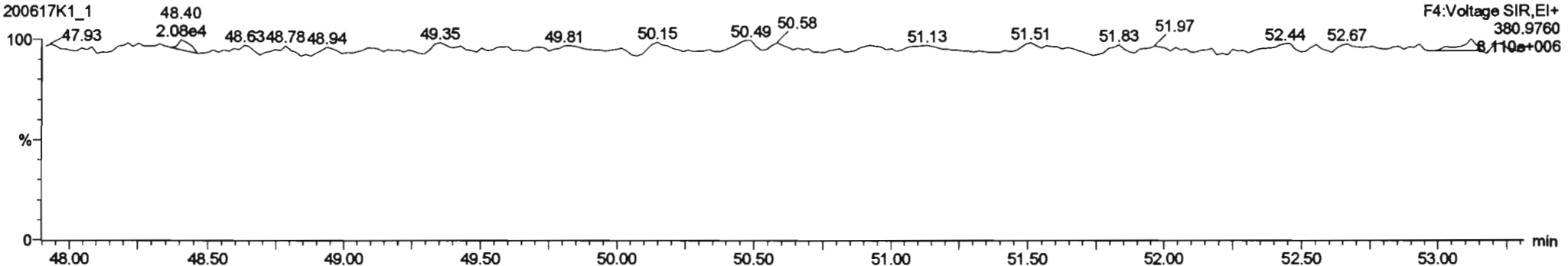


200617K1\_1



**PFK4d**

200617K1\_1



Dataset: Untitled

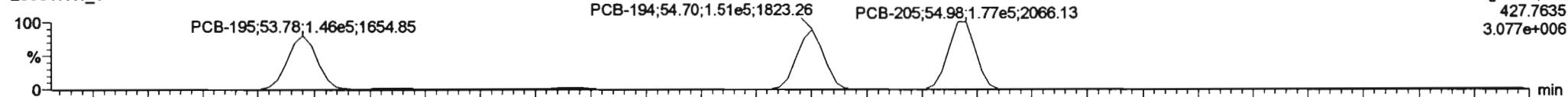
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Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

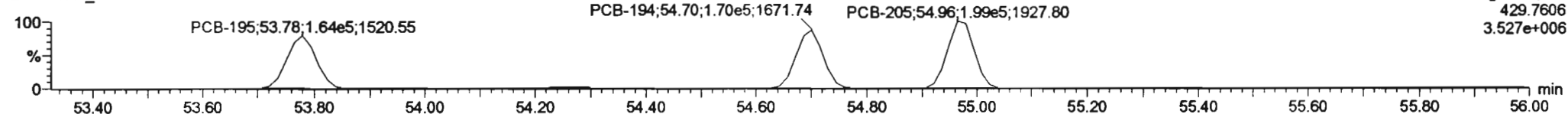
Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

### PCB-195

200617K1\_1

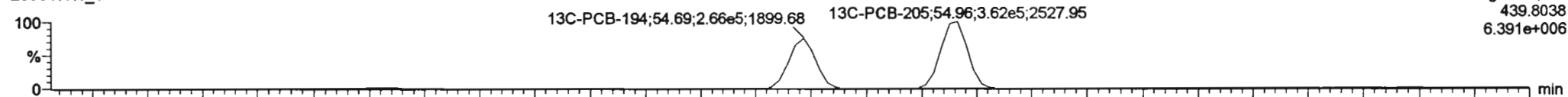


200617K1\_1

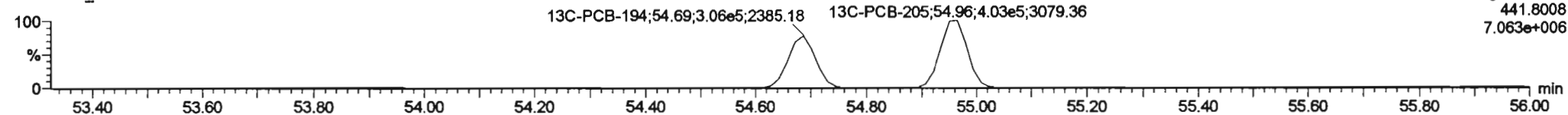


### 13C-PCB-194

200617K1\_1

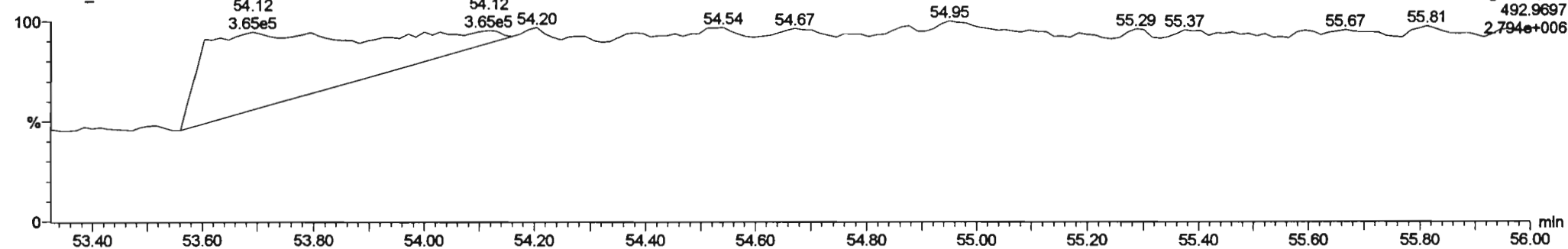


200617K1\_1



### PFK5a

200617K1\_1



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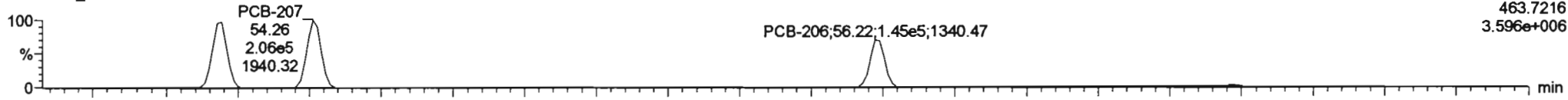
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-208**

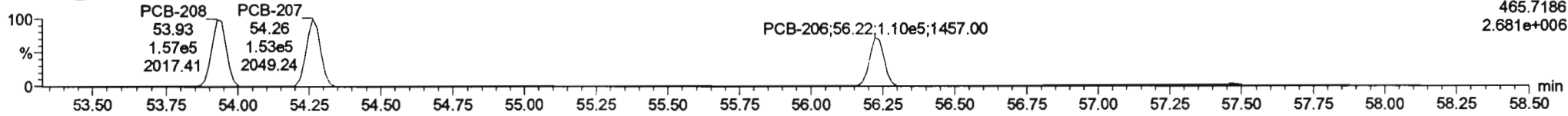
200617K1\_1

F5:Voltage SIR,EI+  
463.7216  
3.596e+006



200617K1\_1

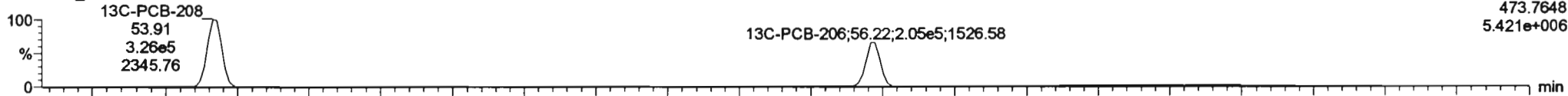
F5:Voltage SIR,EI+  
465.7186  
2.681e+006



**13C-PCB-208**

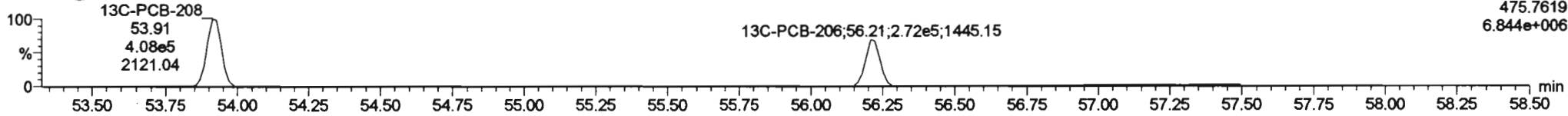
200617K1\_1

F5:Voltage SIR,EI+  
473.7648  
5.421e+006



200617K1\_1

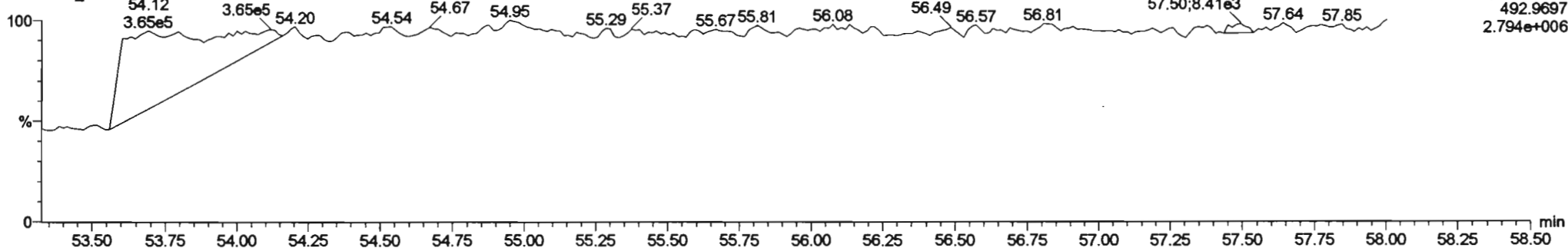
F5:Voltage SIR,EI+  
475.7619  
6.844e+006



**PFK5**

200617K1\_1

F5:Voltage SIR,EI+  
492.9697  
2.794e+006



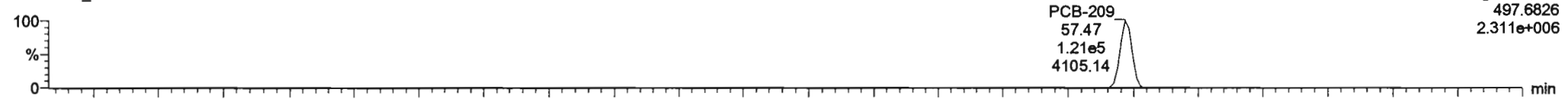
Dataset: Untitled

Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

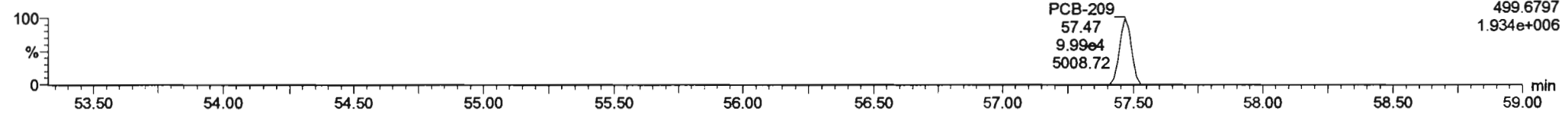
**PCB-209**

200617K1\_1



F5:Voltage SIR,EI+  
497.6826  
2.311e+006

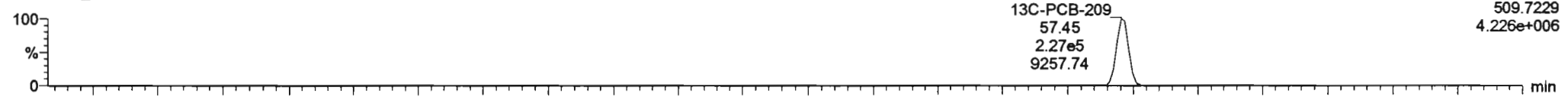
200617K1\_1



F5:Voltage SIR,EI+  
499.6797  
1.934e+006

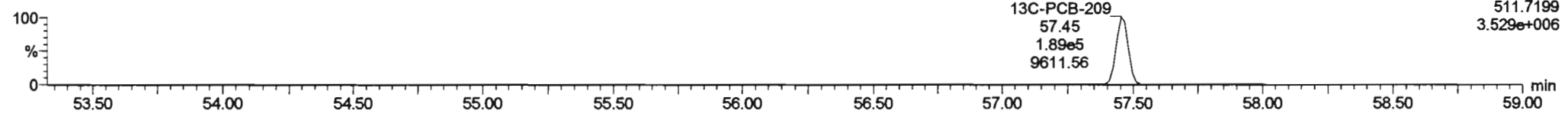
**13C-PCB-209**

200617K1\_1



F5:Voltage SIR,EI+  
509.7229  
4.226e+006

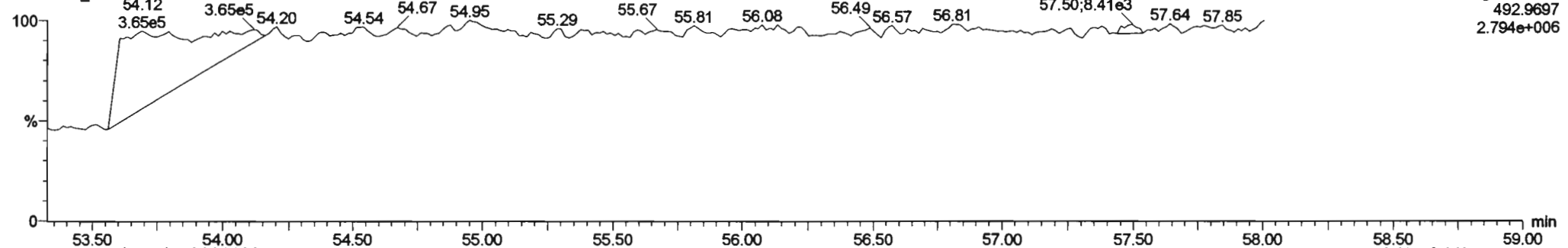
200617K1\_1



F5:Voltage SIR,EI+  
511.7199  
3.529e+006

**PFK5b**

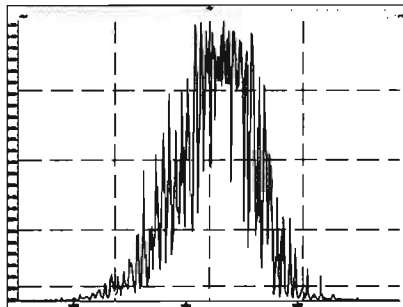
200617K1\_1



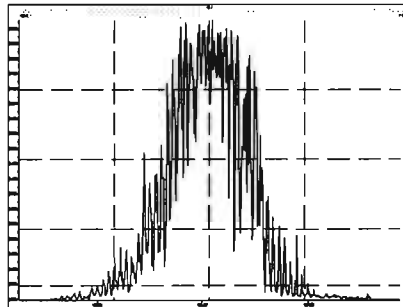
F5:Voltage SIR,EI+  
492.9697  
2.794e+006

Printed: Thursday, June 18, 2020 00:33:42 Pacific Daylight Time

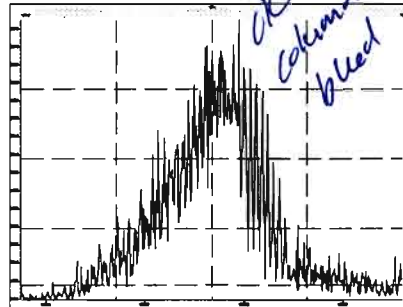
M 168.9888 R 14592



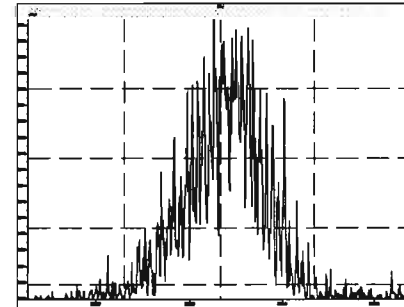
M 180.9888 R 14677



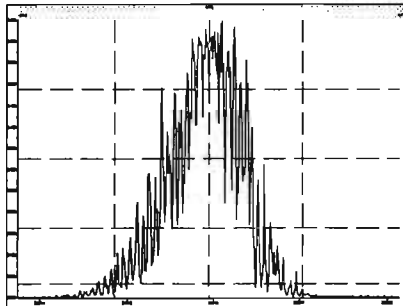
M 192.9888 R 8411



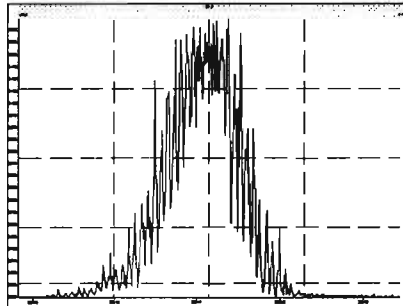
M 204.9888 R 16808



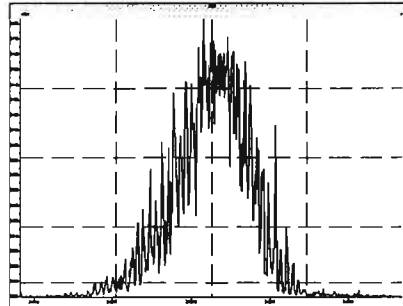
M 218.9856 R 14374



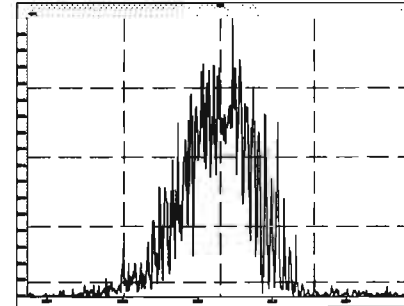
M 230.9856 R 14622



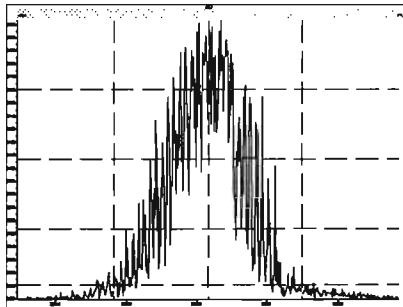
M 242.9856 R 13420



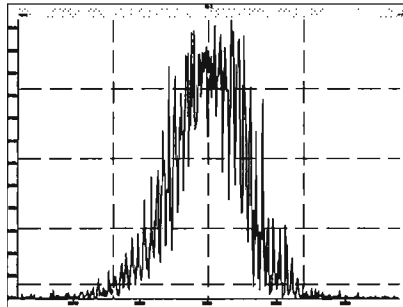
M 254.9856 R 15603



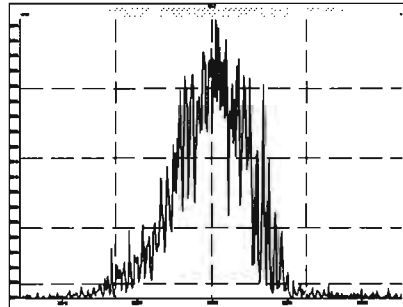
M 268.9824 R 13354



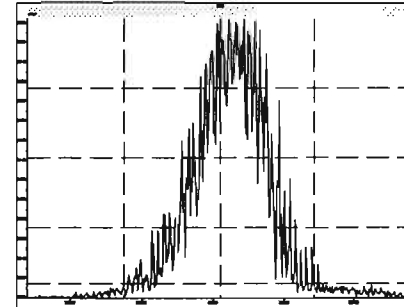
M 280.9824 R 15630



M 254.9856 R 14045



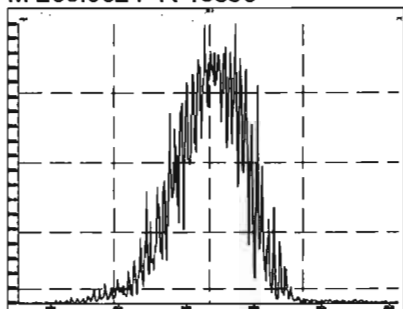
M 268.9824 R 13624



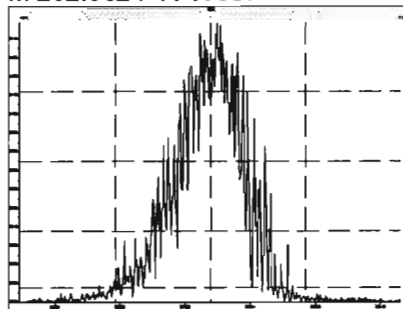


Printed: Thursday, June 18, 2020 00:33:42 Pacific Daylight Time

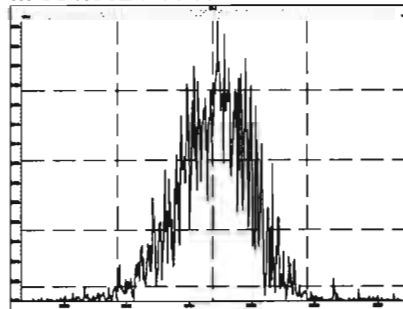
M 280.9824 R 13858



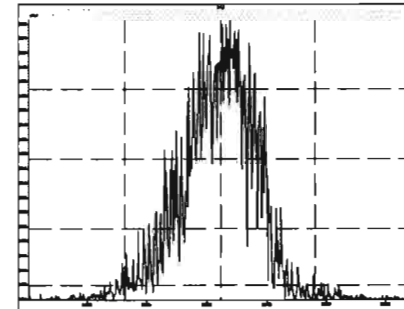
M 292.9824 R 15307



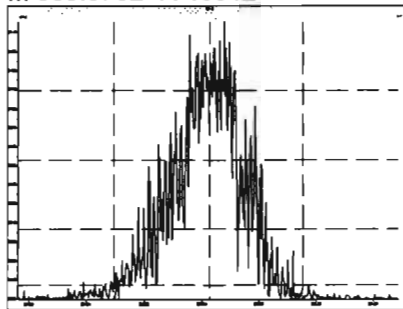
M 304.9824 R 15073



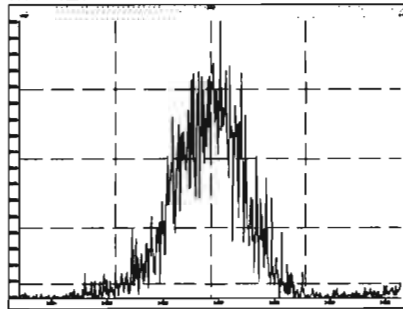
M 318.9792 R 15542



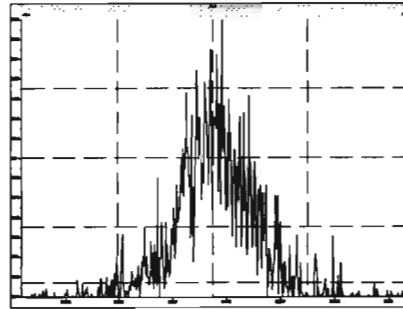
M 330.9792 R 13512



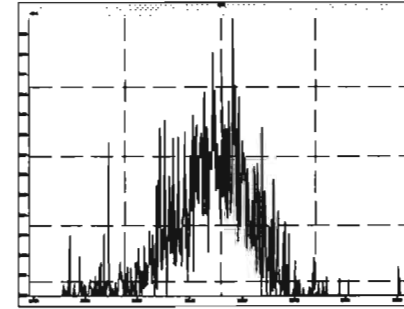
M 342.9792 R 14258



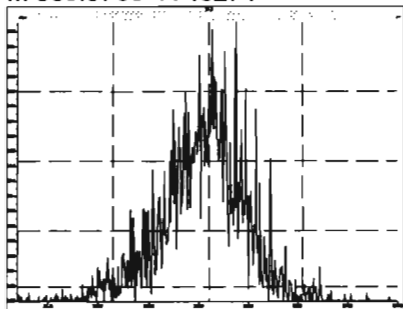
M 354.9792 R 18193



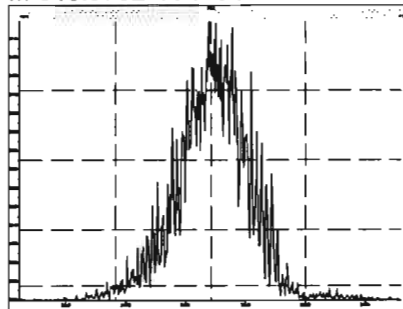
M 366.9792 R 22500



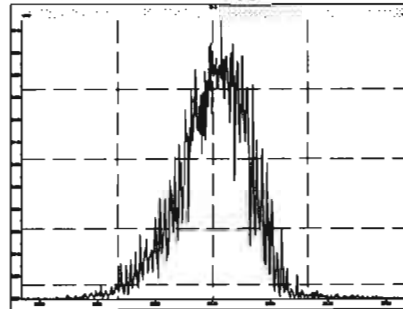
M 380.9760 R 15271



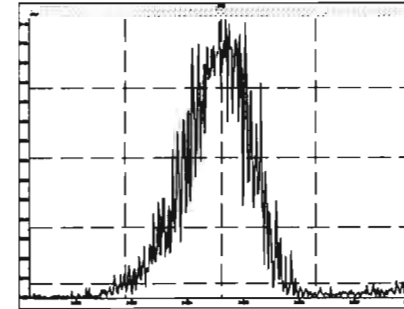
M 318.9792 R 13540



M 330.9792 R 13440

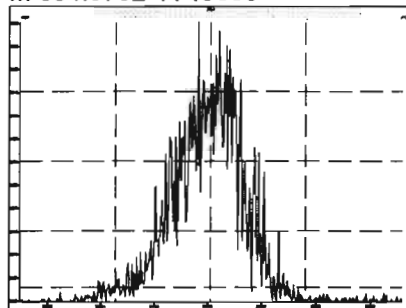


M 342.9792 R 14031

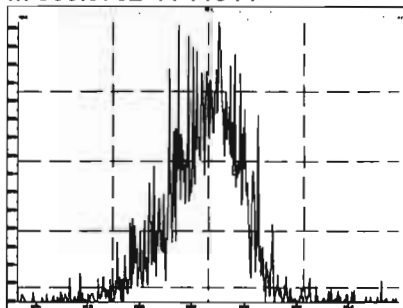


Printed: Thursday, June 18, 2020 00:33:42 Pacific Daylight Time

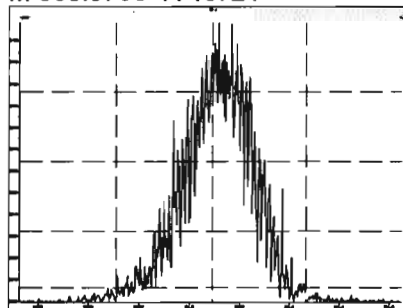
M 354.9792 R 15008



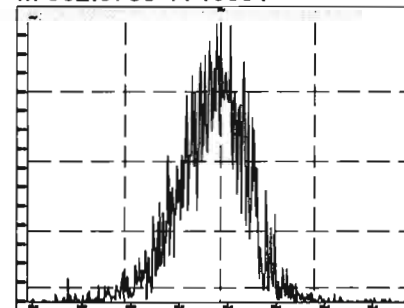
M 366.9792 R 14044



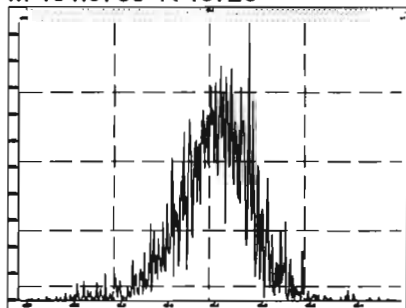
M 380.9760 R 13721



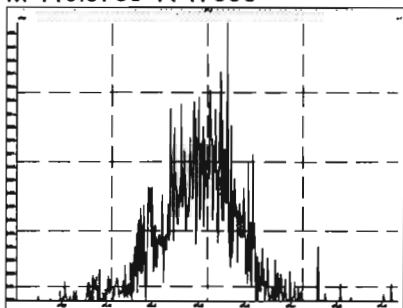
M 392.9760 R 16001



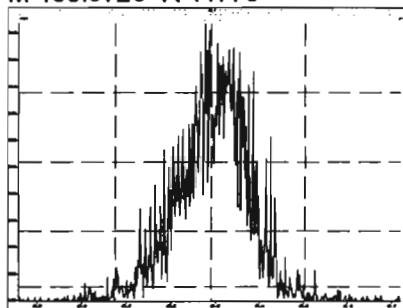
M 404.9760 R 16726



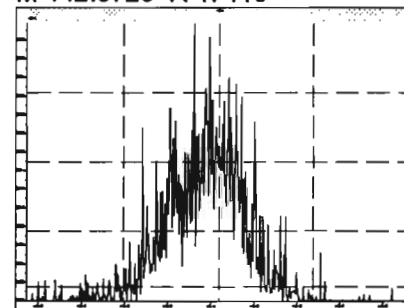
M 416.9760 R 17993



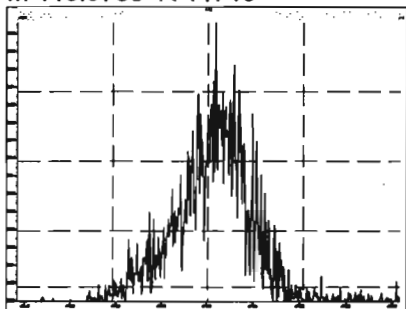
M 430.9728 R 14770



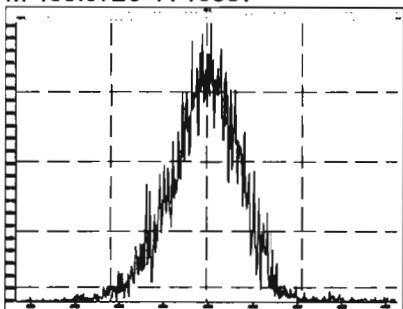
M 442.9728 R 17410



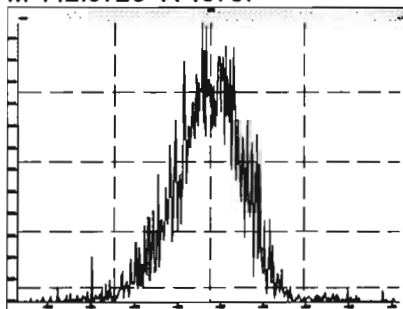
M 416.9760 R 14748



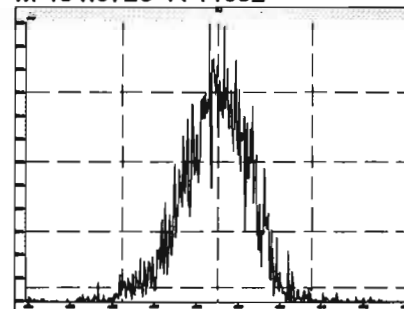
M 430.9728 R 13557



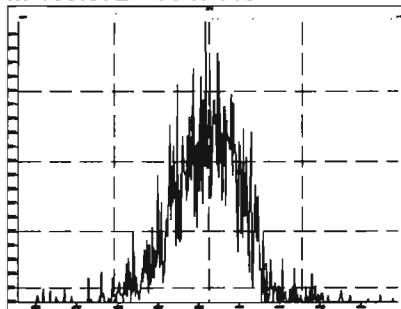
M 442.9728 R 13737



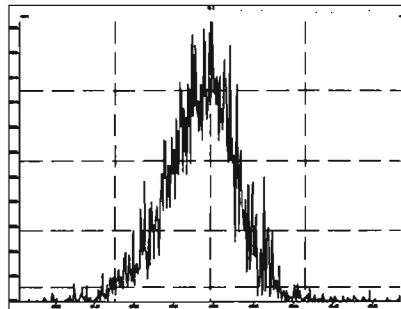
M 454.9728 R 14352



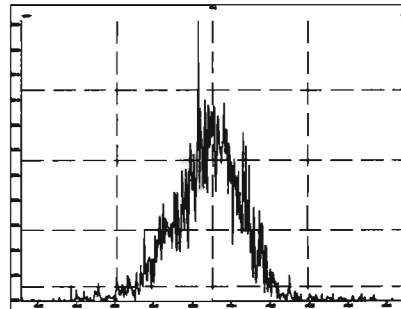
M 466.9728 R 17446



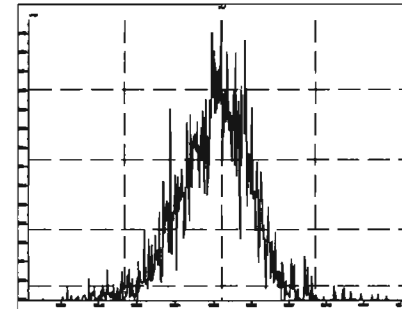
M 480.9696 R 13940



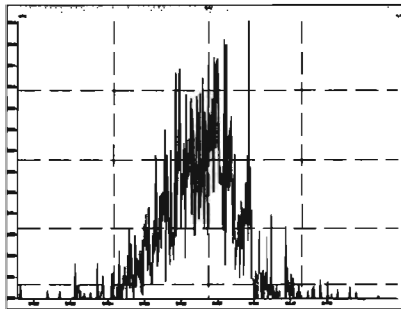
M 492.9696 R 15021



M 504.9696 R 14962



M 516.9697 R 16672



## **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.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-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	nlv	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	2.88e4	2.70e6	0.977	-2.3	0.994	bb
200601K1_3	2.50	1.59	NO	23.60	0.951	6.81e4	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	nlv	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	nlv	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	1.018	5.17e4	2.70e6	1.87	-6.7	0.958	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-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

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-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	0.236	-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

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-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

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-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



Dataset: U:\VG11.PROVResults\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-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

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-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

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-20/21/33

Name	Std. Conc.	RA	Qty	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	Qty	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	Qty	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

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-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: 0.0528736, 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	2.38	-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

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-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

Dataset: U:\VG11.PROVResults\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-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



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-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

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-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	Qty	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	Qty	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	Qty	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

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-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

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-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	nl	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	nl	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	1.06	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	nl	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

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-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: 0.0483426, 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

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-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



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-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

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-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
200601K1_1	0.250	0.82	NO	34.91	0.988	4.33e3	1.70e6	0.237	-5.1	1.02	db
200601K1_2	1.00	0.75	NO	34.91	0.988	1.92e4	1.84e6	0.972	-2.8	1.04	dd
200601K1_3	2.50	0.79	NO	34.91	0.988	4.66e4	1.79e6	2.42	-3.2	1.04	db
200601K1_4	50.0	0.77	NO	34.91	0.988	9.31e5	1.73e6	50.1	0.2	1.07	db
200601K1_5	400	0.78	NO	34.91	0.988	8.42e6	1.84e6	427	6.8	1.14	db
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
200601K1_1	0.250	0.82	NO	35.21	0.995	4.68e3	1.70e6	0.232	-7.3	1.10	bd
200601K1_2	1.00	0.74	NO	35.21	0.994	2.06e4	1.84e6	0.943	-5.7	1.12	MM
200601K1_3	2.50	0.74	NO	35.21	0.994	5.22e4	1.79e6	2.46	-1.8	1.16	MM
200601K1_4	50.0	0.77	NO	35.21	0.994	1.05e6	1.73e6	51.3	2.6	1.22	bd
200601K1_5	400	0.76	NO	35.21	0.994	9.38e6	1.84e6	430	7.6	1.28	bd
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
200601K1_1	0.500	0.86	NO	35.41	1.000	8.47e3	1.70e6	0.472	-5.7	0.994	MM
200601K1_2	2.00	0.78	NO	35.34	0.998	3.65e4	1.84e6	1.88	-5.8	0.993	MM

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-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

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-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

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-79**

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	38.50	0.988	4.37e3	1.65e6	0.234	-6.8	1.08	MM
200601K1_2	1.00	0.72	NO	38.52	0.987	1.92e4	1.76e6	0.959	-4.1	1.09	MM
200601K1_3	2.50	0.77	NO	38.52	0.987	4.87e4	1.80e6	2.38	-4.7	1.08	MM
200601K1_4	50.0	0.77	NO	38.52	0.987	1.02e6	1.70e6	52.5	4.9	1.19	MM
200601K1_5	400	0.79	NO	38.52	0.987	8.97e6	1.88e6	420	5.1	1.19	MM
200601K1_6	1000	0.78	NO	38.52	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

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-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	33.76	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



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-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	1.66	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	6.3	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	1.46	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	0.963	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	6.2	1.03	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-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

Dataset: U:\VG11.PROVResults\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-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	1.58	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

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-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	9.38e3	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

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-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

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-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

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-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

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-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

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-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

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-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

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-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

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-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



Dataset: U:\WG11.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-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

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-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	RRF	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	RRF	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	RRF	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

Dataset: U:\VG11.PROVResults\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-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

Dataset: U:\VG11.PROVResults\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-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

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-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

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-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



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-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	-16.4	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	6.8	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	-16.1	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

Dataset: U:\WG11.PROVResults\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-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

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-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

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-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

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-130

Name	Std Conc	RA	ny	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	ny	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	ny	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

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-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



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-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

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-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

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-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

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-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
1	200801K1_1	0.250	1.00	NO	44.27	1.030	2.80e3	9.28e5	0.232	-7.0	1.21	MM
2	200801K1_2	1.00	1.00	NO	44.29	1.030	1.29e4	1.02e6	0.979	-2.1	1.27	MM
3	200801K1_3	2.50	1.10	NO	44.29	1.030	3.39e4	1.03e6	2.52	1.0	1.31	bb
4	200801K1_4	50.0	1.04	NO	44.29	1.030	6.78e5	1.01e6	51.4	2.8	1.33	bb
5	200801K1_5	400	1.04	NO	44.29	1.030	6.16e6	1.13e6	418	4.5	1.36	bb
6	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
1	200801K1_1	0.250	1.13	NO	44.75	1.041	2.78e3	9.28e5	0.229	-8.5	1.20	MM
2	200801K1_2	1.00	1.07	NO	44.77	1.041	1.34e4	1.02e6	1.01	0.7	1.32	bb
3	200801K1_3	2.50	1.07	NO	44.77	1.041	3.31e4	1.03e6	2.44	-2.3	1.28	MM
4	200801K1_4	50.0	1.05	NO	44.77	1.041	6.80e5	1.01e6	51.3	2.8	1.34	bb
5	200801K1_5	400	1.04	NO	44.77	1.041	6.33e6	1.13e6	426	6.5	1.39	bb
6	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
1	200801K1_1	0.250	1.08	NO	45.37	1.056	2.56e3	9.28e5	0.207	-17.1	1.10	MM
2	200801K1_2	1.00	0.95	NO	45.39	1.056	1.36e4	1.02e6	1.01	0.8	1.34	MM

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-186

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.07	NO	45.39	1.056	3.39e4	1.03e6	2.47	-1.3	1.31	bb
200601K1_4	50.0	1.02	NO	45.39	1.056	7.15e5	1.01e6	53.1	6.1	1.41	bb
200601K1_5	400	1.03	NO	45.39	1.056	6.42e6	1.13e6	426	6.5	1.42	bb
200601K1_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
200601K1_1	0.250	1.09	NO	45.88	1.067	1.99e3	9.28e5	0.227	-9.2	0.857	MM
200601K1_2	1.00	1.03	NO	45.90	1.068	9.96e3	1.02e6	1.04	3.9	0.980	bb
200601K1_3	2.50	1.02	NO	45.90	1.068	2.31e4	1.03e6	2.37	-5.2	0.894	bb
200601K1_4	50.0	1.03	NO	45.90	1.067	5.05e5	1.01e6	52.9	5.8	0.996	bb
200601K1_5	400	1.04	NO	45.90	1.067	4.43e6	1.13e6	414	3.4	0.975	bb
200601K1_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
200601K1_1	0.250	1.01	NO	46.24	1.076	2.15e3	9.26e5	0.242	-3.0	0.927	bd
200601K1_2	1.00	1.01	NO	46.24	1.076	9.07e3	1.02e6	0.934	-6.6	0.893	MM
200601K1_3	2.50	1.00	NO	46.26	1.076	2.45e4	1.03e6	2.47	-1.1	0.946	bd
200601K1_4	50.0	1.04	NO	46.26	1.076	5.06e5	1.01e6	52.2	4.5	0.999	bd
200601K1_5	400	1.04	NO	46.26	1.076	4.52e6	1.13e6	417	4.1	0.996	bd
200601K1_6	1000	1.04	NO	46.26	1.076	1.18e7	1.18e6	1020	2.1	0.977	bd

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-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	rtj	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	rtj	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	rtj	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



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-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

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-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

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-173

Name	Std. Conc.	RA	rfy	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	rfy	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	rfy	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

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-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	RRF	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	RRF	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	RRF	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	1.06e4	6.54e5	0.963	-3.7	1.85	MM

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-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

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-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	Int.	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	Int.	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	Int.	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



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-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	1.98e4	7.88e5	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	3.88e6	8.21e5	424	6.0	1.12		bd
200601K1_6	1000	0.91	NO	49.10	1.010	9.50e6	8.48e5	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	7.88e5	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	8.48e5	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	7.88e5	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	8.48e5	1080	7.8	1.22		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-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

Dataset: U:\VG11.PROVResults\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-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

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-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

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-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	1080	7.8	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	1.83e3	6.27e5	0.242	-3.3	0.886	bb
200601K1_2	1.00	1.36	NO	54.29	1.007	7.46e3	8.89e5	0.915	-8.5	0.839	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	4.83e5	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	0.987	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	1080	5.9	1.07	bd

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-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



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: 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

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: 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	24.80	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

Dataset: U:\WG11.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: 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

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: 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	rf	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	rf	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	rf	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

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: 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

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: 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



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: 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

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: 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	nY	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	nY	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	nY	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

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: 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

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: 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	0.823	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: 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

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: 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



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: 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	1.18e6	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

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: 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
1	200801K1_1	100	1.26	NO	50.90	1.092	1.12e6	8.47e5	99.2	-0.8	1.32	bb
2	200801K1_2	100	1.26	NO	50.90	1.092	1.19e6	9.25e5	96.3	-3.7	1.28	bb
3	200801K1_3	100	1.26	NO	50.90	1.092	1.33e6	9.70e5	103	3.1	1.37	bb
4	200801K1_4	100	1.26	NO	50.90	1.092	1.22e6	9.29e5	99.1	-0.9	1.32	bb
5	200801K1_5	100	1.25	NO	50.90	1.092	1.30e6	1.00e6	97.7	-2.3	1.30	bb
6	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
1	200801K1_1	100	0.45	NO	42.99	0.926	9.28e5	6.80e5	99.8	-0.2	1.41	bb
2	200801K1_2	100	0.45	NO	42.99	0.926	1.02e6	7.21e5	100	-0.0	1.41	bb
3	200801K1_3	100	0.46	NO	42.99	0.926	1.03e6	7.29e5	101	0.7	1.42	bb
4	200801K1_4	100	0.46	NO	43.00	0.926	1.01e6	7.30e5	96.5	-1.5	1.39	bb
5	200801K1_5	100	0.46	NO	43.00	0.926	1.13e6	8.04e5	100	0.1	1.41	bb
6	200801K1_6	100	0.45	NO	43.00	0.926	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
1	200801K1_1	100	0.46	NO	49.69	1.070	6.18e5	6.80e5	101	0.5	0.934	bd
2	200801K1_2	100	0.44	NO	49.69	1.070	6.54e5	7.21e5	97.6	-2.4	0.907	bd

Dataset: U:\VG11.PROVResults\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: 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

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: 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

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: 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

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: 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

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: 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

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: 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	1.87e6	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

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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: 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

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: 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

Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

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

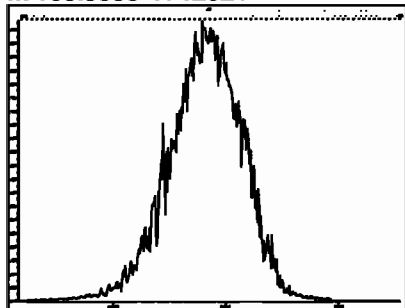
Compound name: PCB-1

Name	ID	Acq Date	Acq Time
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200601K1_2	ST200601K1-2 PCB 209 CS1 19G2807	01-Jun-20	13:18:19
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

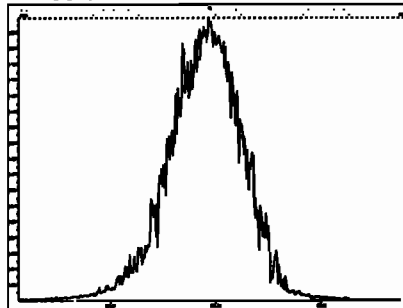
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Printed: Monday, June 01, 2020 12:03:14 Pacific Daylight Time

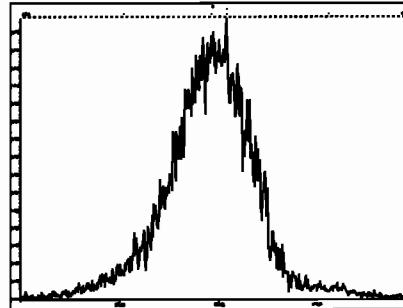
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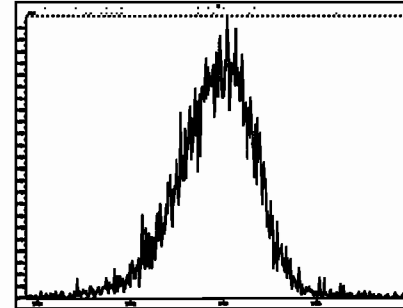
M 180.9888 R 11414



M 192.9888 R 10041



M 204.9888 R 12498

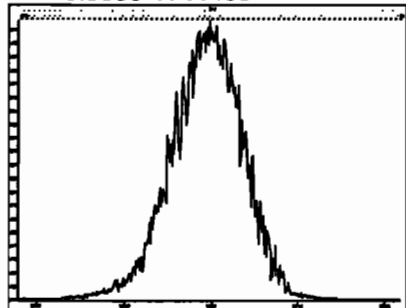




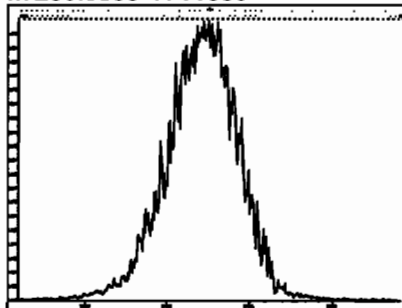
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Printed: Monday, June 01, 2020 12:03:55 Pacific Daylight Time

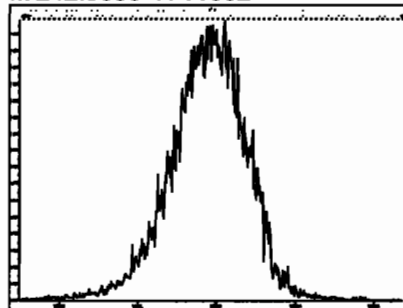
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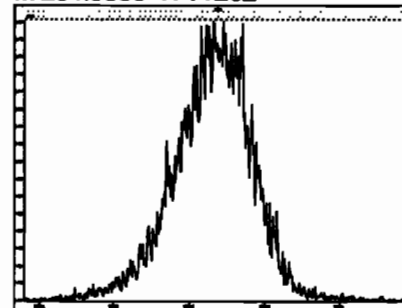
M 230.9856 R 11680



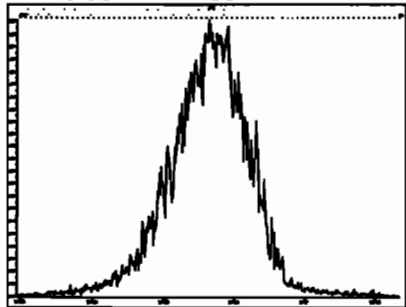
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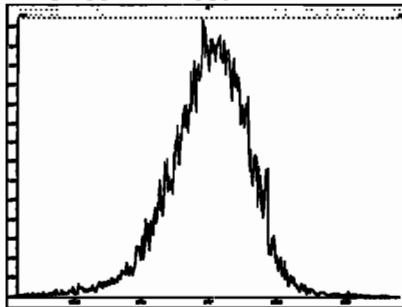
M 254.9856 R 11262



M 268.9824 R 11361

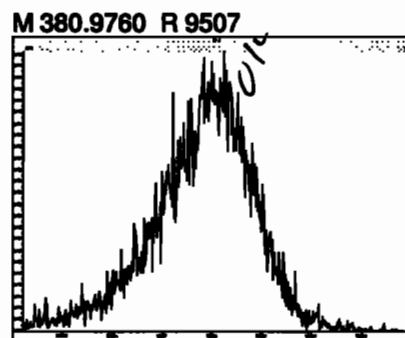
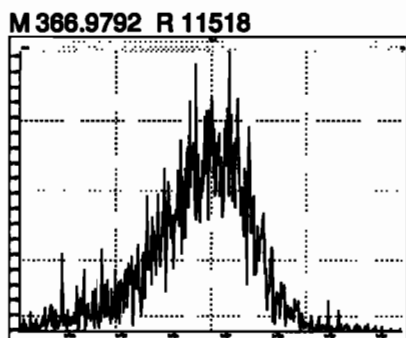
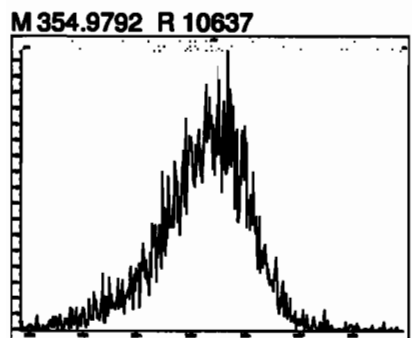
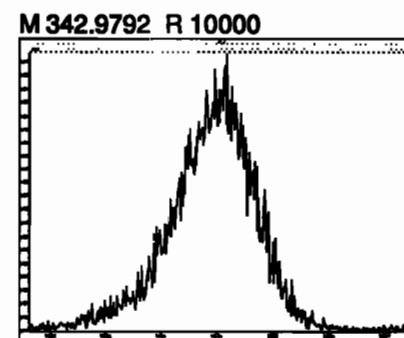
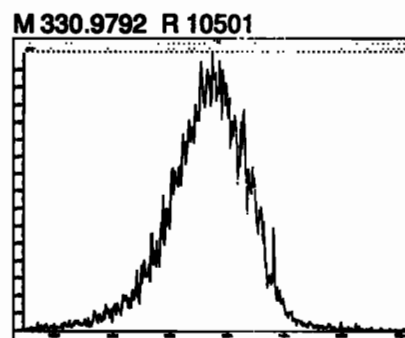
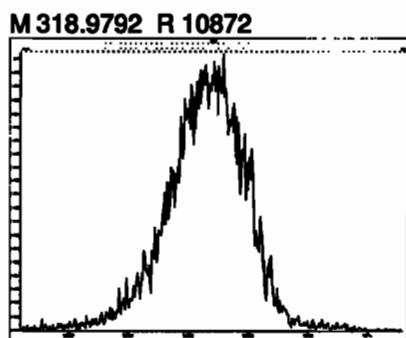
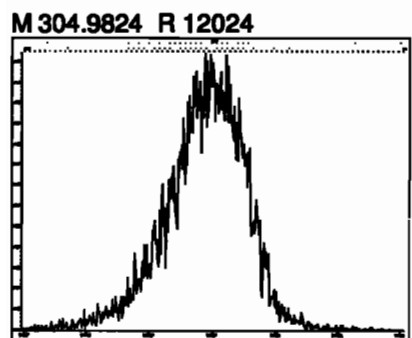
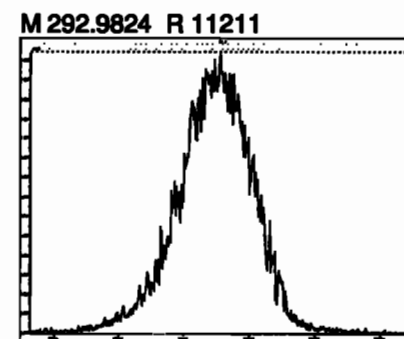
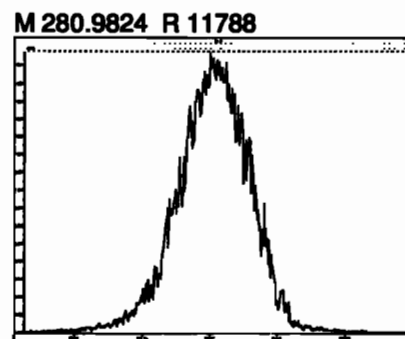
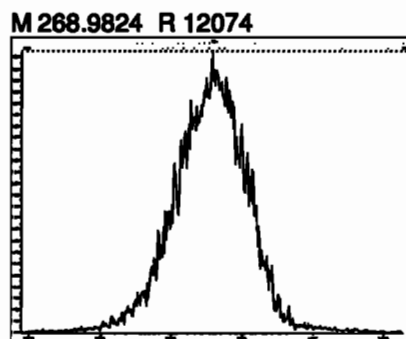
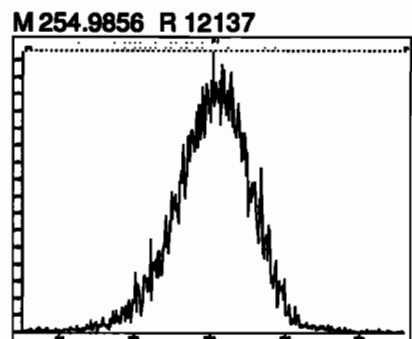


M 280.9824 R 10634



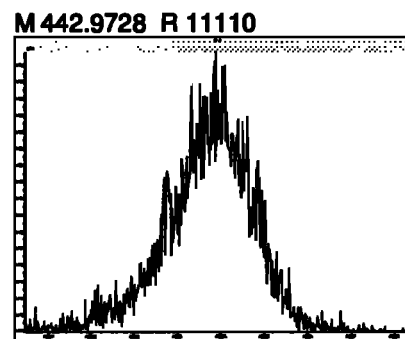
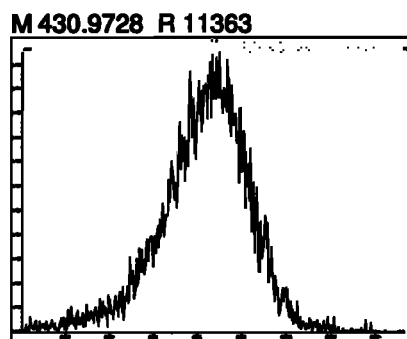
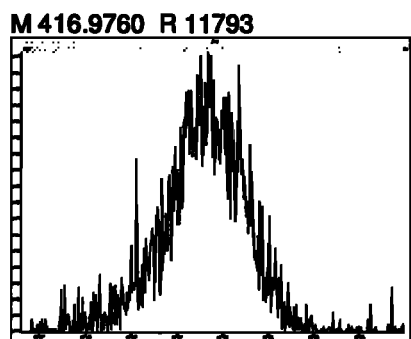
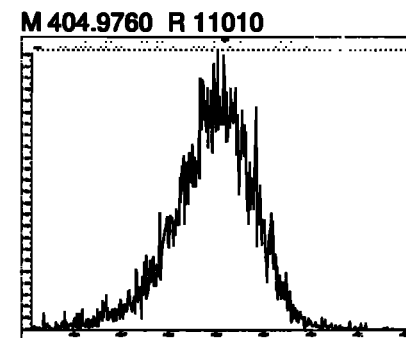
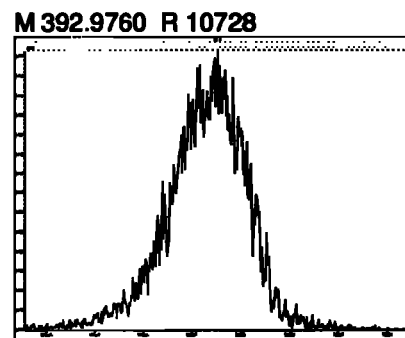
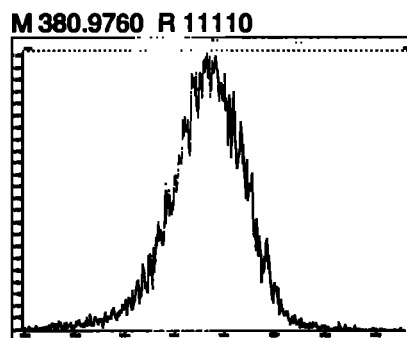
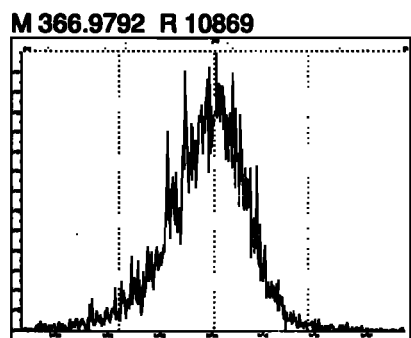
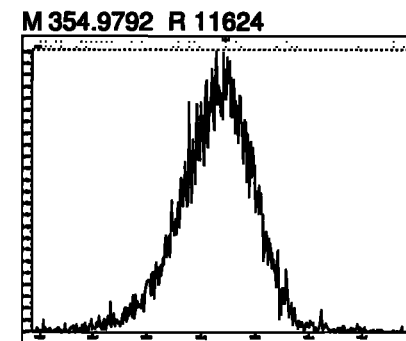
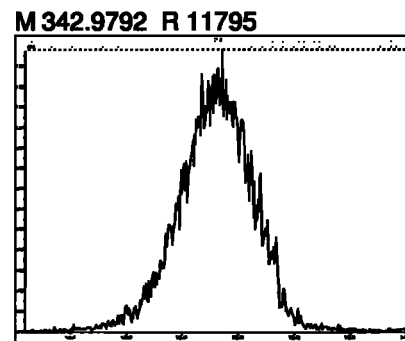
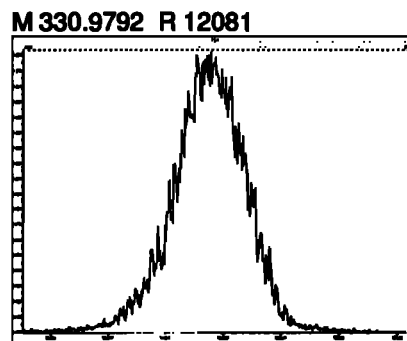
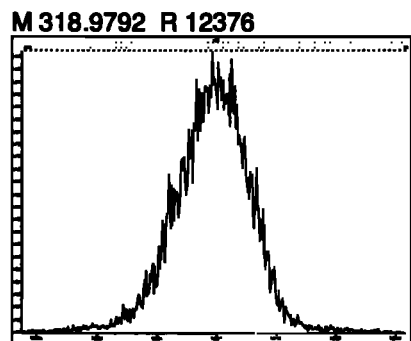
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Printed: Monday, June 01, 2020 12:06:35 Pacific Daylight Time



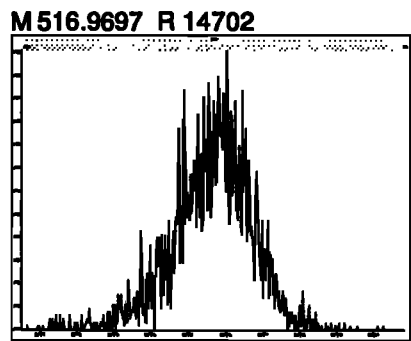
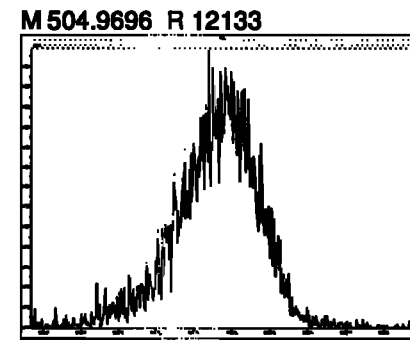
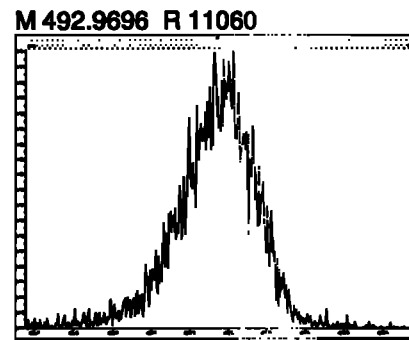
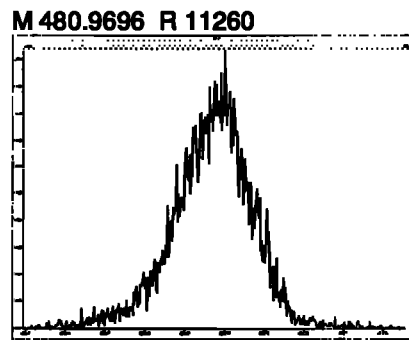
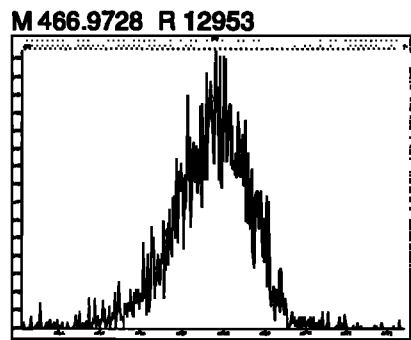
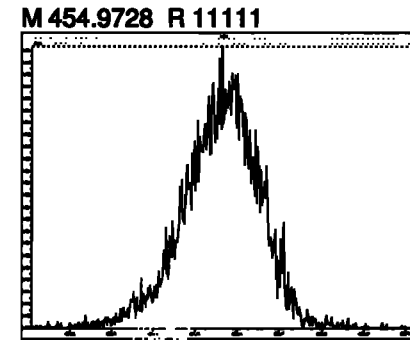
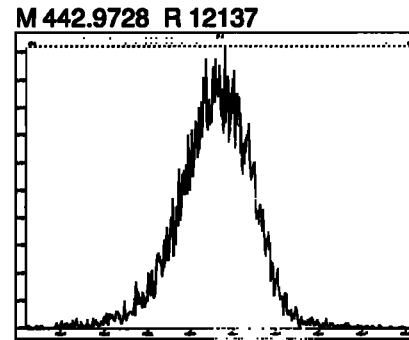
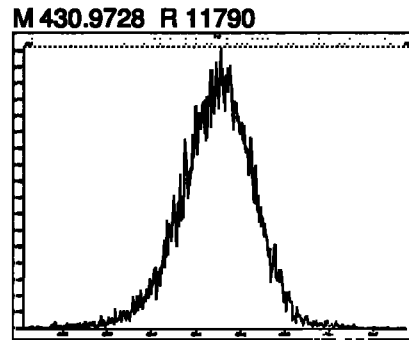
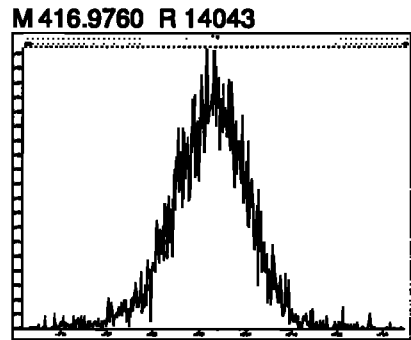
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Printed: Monday, June 01, 2020 12:12:00 Pacific Daylight Time



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

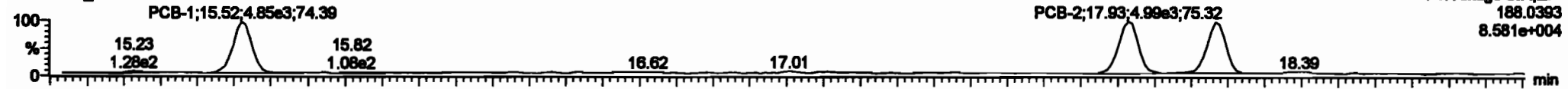
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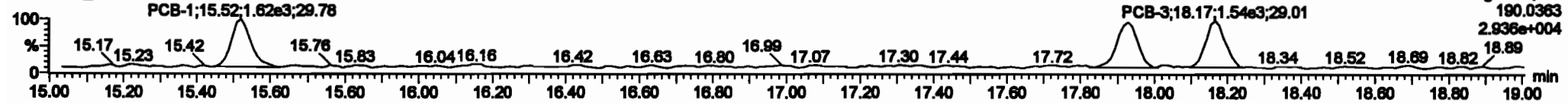
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PCB-1

200601K1\_1



200601K1\_1

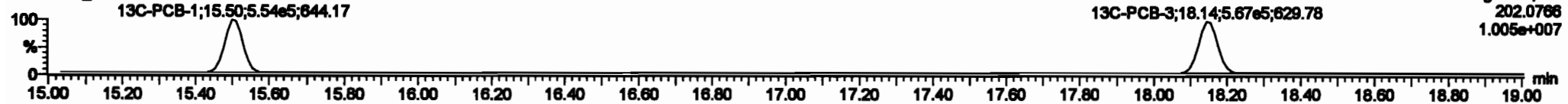


13C-PCB-1

200601K1\_1

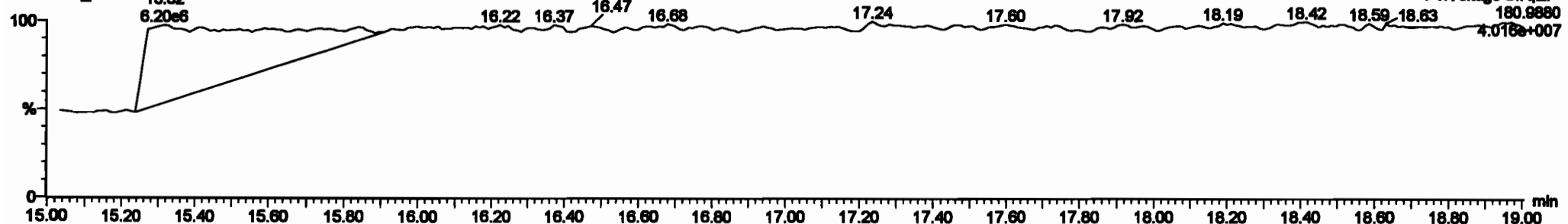


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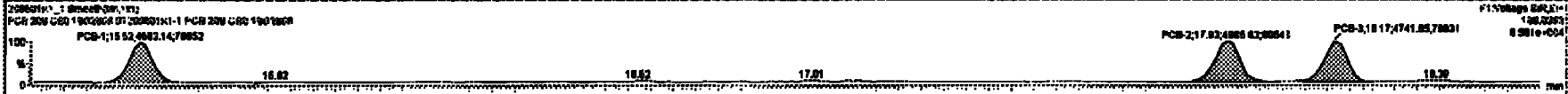
PFK1

200601K1\_1



#	Name	PCB	Area	Off	W	H	Area	Area%	Area%	Area%	Area%	Area%	Area%	Area%	Area%	Area%	Area%	Area%	Area%	Area%
216	13C-PCB-40	1.89e6	0.70	NO	1.0000	1.000	38.88	38.88	1.000	0.000	NO	100.0	100	0.0000						
218	13C-PCB-411	1.00e6	1.02	NO	1.0000	1.000	30.26	30.26	1.000	0.000	NO	100.0	100	0.0016						
217	13C-PCB-439	0.47e6	1.28	NO	1.0000	1.000	48.80	48.80	1.000	0.000	NO	100.0	100	0.0084						
218	13C-PCB-482	0.80e6	0.48	NO	1.0000	1.000	48.43	48.43	0.000	0.000	NO	100.0	100	0.0018						
218	13C-PCB-205	0.88e6	0.80	NO	1.0000	1.000	64.88	64.88	1.000	0.000	NO	100.0	100	0.148						
220	13C-PCB-78	1.88e6	0.78	NO	1.0000	1.000	37.78	37.78	1.000	1.000	NO	102.2	102	0.0087						
221	13C-PCB-178	0.88e6	0.48	NO	0.7888	1.000	48.88	48.87	0.888	0.888	NO	101.5	101	0.0020						
222	13C-PCB-78	1.88e6	0.78	NO	1.0021	1.000	37.78	37.78	0.888	0.888	NO	102.5	102	0.0088						
223	13C-PCB-178	0.88e6	0.48	NO	1.0000	1.000	48.87	48.87	0.823	0.823	NO	101.8	102	0.0082						
225	Total PCBs				1.0097	1.000	8.80		0.800		NO	2.876		0.276						
226	Total Function PCBs				1.0097	1.000	8.80		0.800		NO	1.809		0.184						

#	Name	PCB	Area	Off	W	H	Area	Area%	Area%	Area%	Area%	Area%	Area%	Area%	Area%	Area%	Area%	Area%	Area%
1	PCB-1	15.82	16.82	4.88e6	1.57e6	5.10	2.88	NO	0.2288	0.2288									
2	PCB-2	17.26	17.88	4.88e6	1.57e6	5.13	NO	0.28108	0.28077										
3	PCB-3	18.17	18.17	4.74e6	1.64e6	5.120	3.08	NO	0.22700	0.22888									





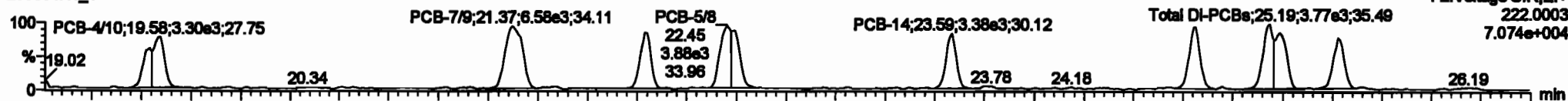
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

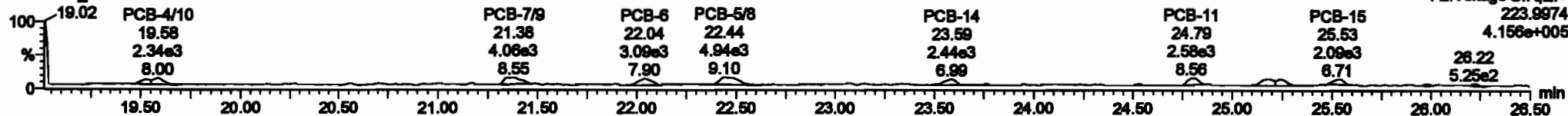
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PCB-4/10

200601K1\_1

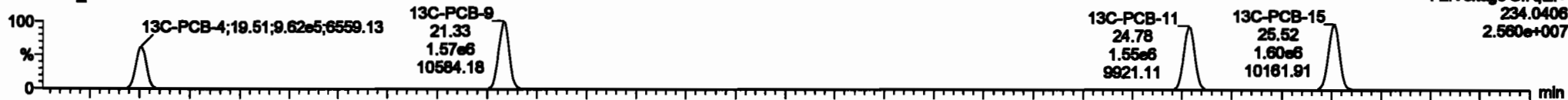


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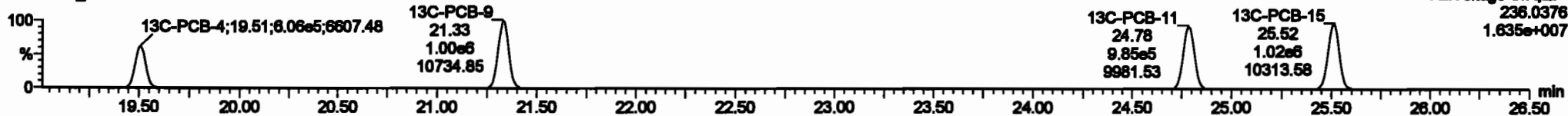


13C-PCB-4

200601K1\_1

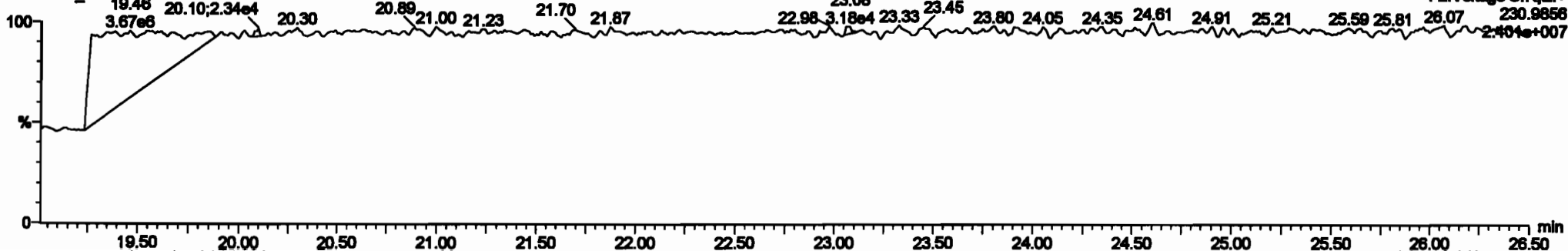


200601K1\_1



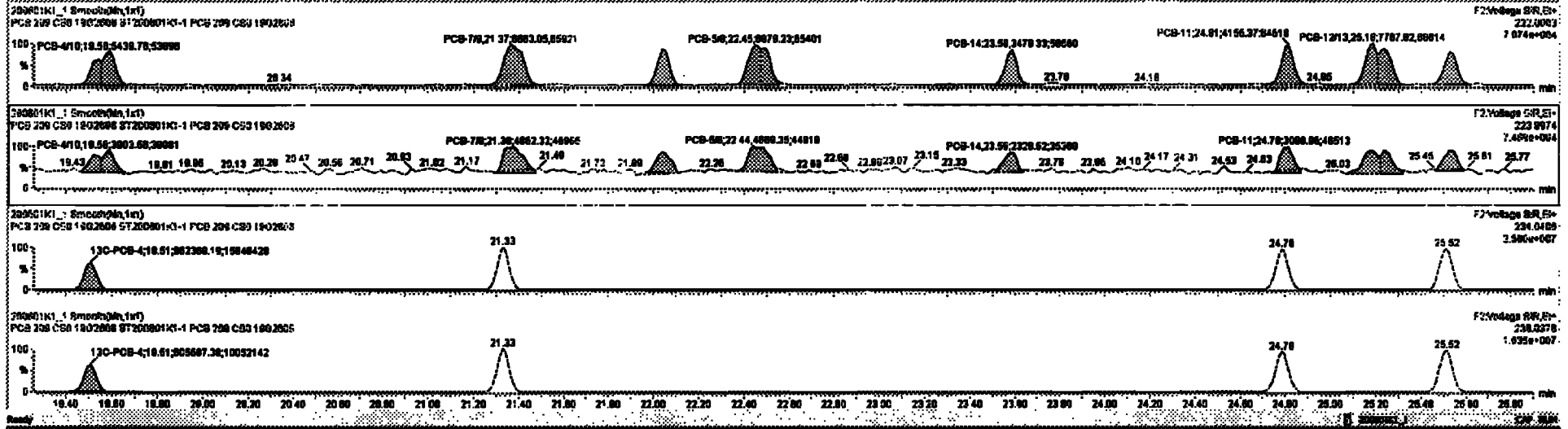
PFK2a

200601K1\_1



PCB No.	PCB Name	PCB Type	PCB Size	PCB Weight	PCB Area	PCB Volume	PCB Thickness	PCB Material	PCB Color	PCB Finish	PCB Tolerance	PCB Price	PCB Lead Time	
216	13C-PCB-88	1.82x8	0.78	NO	1.0000	1.000	38.88	38.88	1.000	0.000	NO	180.0	100	0.0808
216	13C-PCB-111	1.82x8	1.82	NO	1.0000	1.000	38.25	38.25	1.000	0.000	NO	180.0	100	0.0915
217	13C-PCB-128	8.47x8	1.28	NO	1.0000	1.000	48.80	48.80	1.000	0.000	NO	100.0	100	0.0884
218	13C-PCB-162	8.89x8	0.48	NO	1.0000	1.000	48.43	48.43	0.000	0.000	NO	100.0	100	0.0818
219	13C-PCB-208	8.89x8	0.80	NO	1.0000	1.000	64.88	64.88	1.000	0.000	NO	100.0	100	0.148
220	13C-PCB-78	1.82x8	0.78	NO	1.0000	1.000	37.78	37.78	1.000	1.000	NO	102.2	102	0.0887
221	13C-PCB-178	8.89x8	0.48	NO	0.7000	1.000	48.88	48.88	0.888	0.888	NO	101.8	101	0.0828
222	13C-PCB-78	1.82x8	0.78	NO	1.0001	1.000	37.78	37.78	0.999	0.999	NO	102.8	102	0.0888
223	13C-PCB-178	8.89x8	0.48	NO	1.0000	1.000	48.87	48.87	0.923	0.923	NO	101.8	102	0.0882
224	Total Micro-PCBs				1.8887	1.000	0.00	0.00			NO	0.000		0.0048
225	Total Function TM-PCBs				1.8887	1.000	0.00	0.00			NO	1.888		0.004

PCB No.	PCB Name	PCB Type	PCB Size	PCB Weight	PCB Area	PCB Volume	PCB Thickness	PCB Material	PCB Color	PCB Finish	PCB Tolerance	PCB Price	PCB Lead Time
4	PCB-478	18.88	18.88	5.44x3	3.88x3	1.880	1.28	NO	0.47700	0.4774			
5	PCB-78	21.28	21.27	8.88x3	4.88x3	1.880	1.37	NO	0.48700	0.4888			
6	PCB-9	22.08	22.04	3.78x3	2.78x3	1.880	1.28	NO	0.24880	0.24882			
7	PCB-58	22.44	22.45	8.87x3	4.88x3	1.880	1.47	NO	0.48200	0.48247			
8	PCB-14	23.88	23.88	3.47x3	2.32x3	1.880	1.48	NO	0.22880	0.22843			
9	PCB-11	24.88	24.81	4.18x3	3.08x3	1.880	1.34	NO	0.28400	0.28438			
10	PCB-128	28.28	28.18	7.78x3	6.78x3	1.880	1.38	NO	0.81880	0.81880			
11	PCB-15	28.84	28.83	3.82x3	2.81x3	1.880	1.48	NO	0.22100	0.22088			

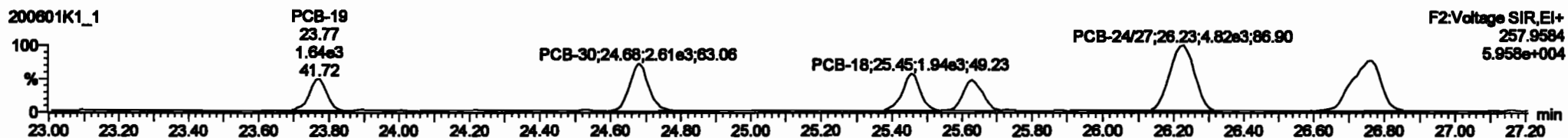
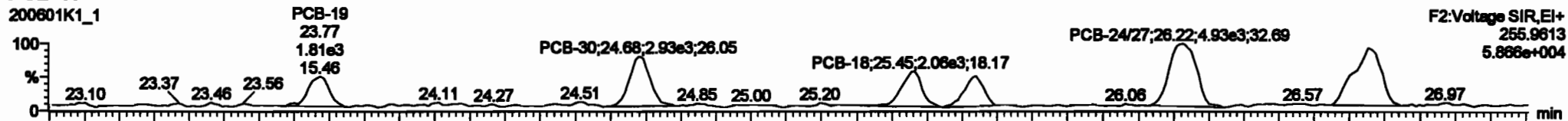


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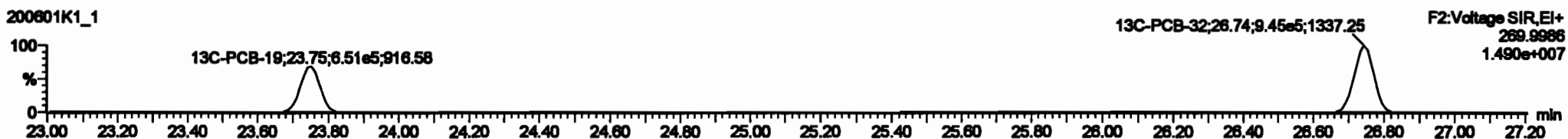
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

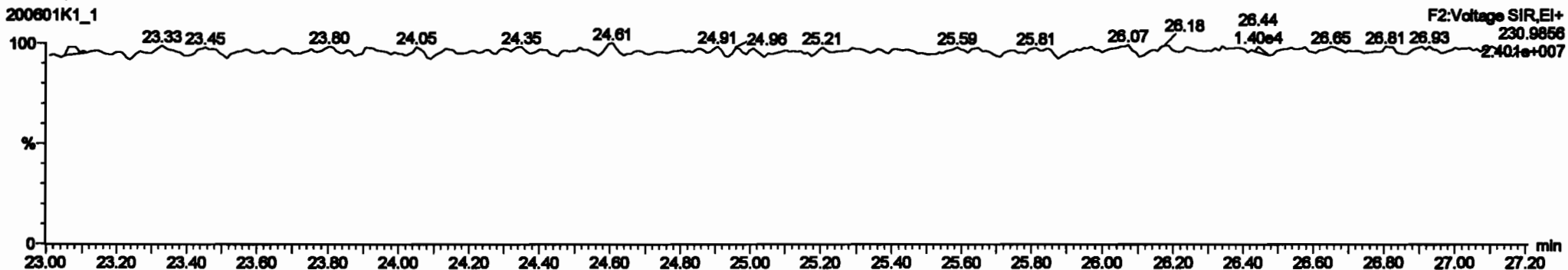
**PCB-19**



**13C-PCB-19**

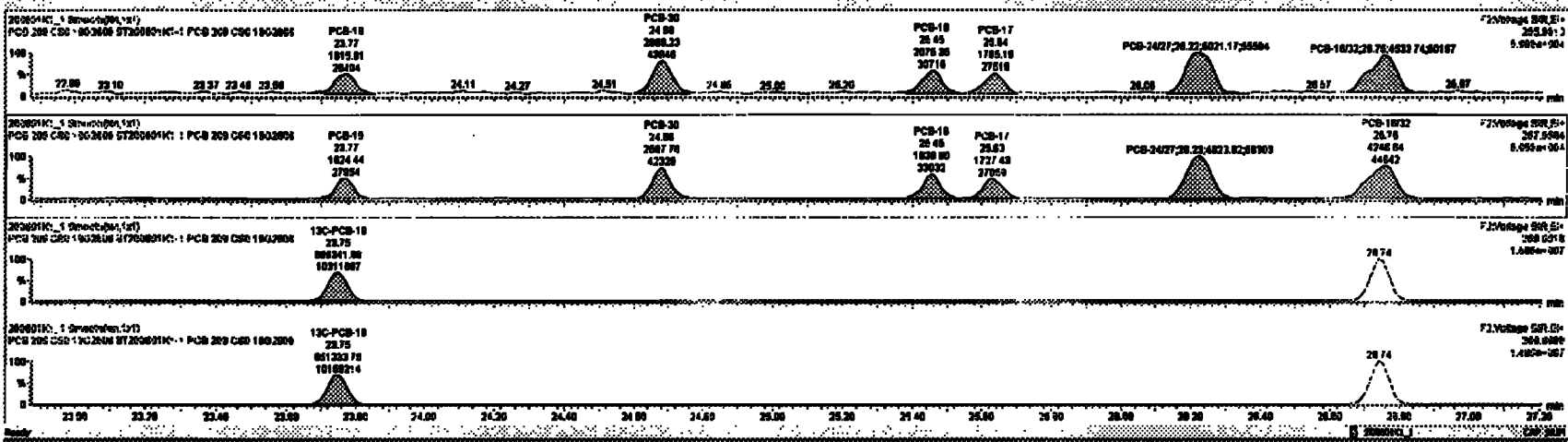


**PFK2b**



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-1800	20.70	20.70	4.00e6	4.00e6	1.000	1.07	NO	0.00000	0.00000	

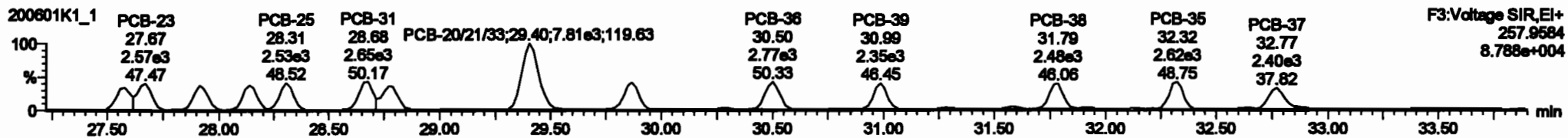
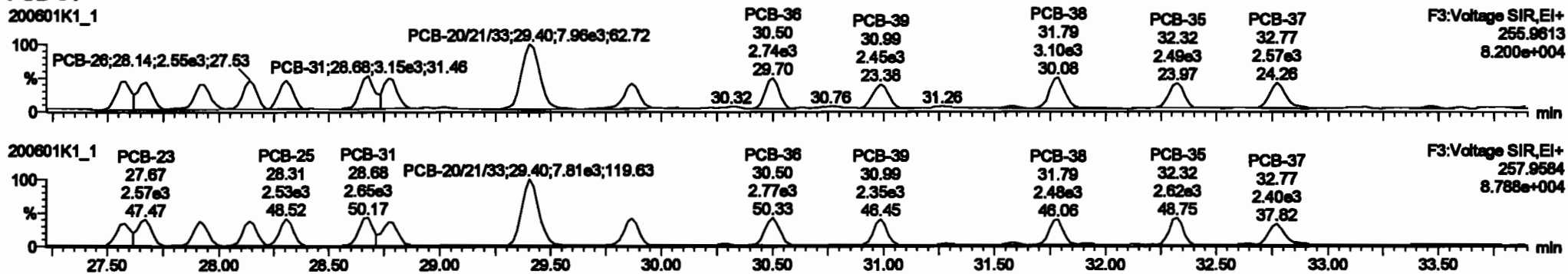


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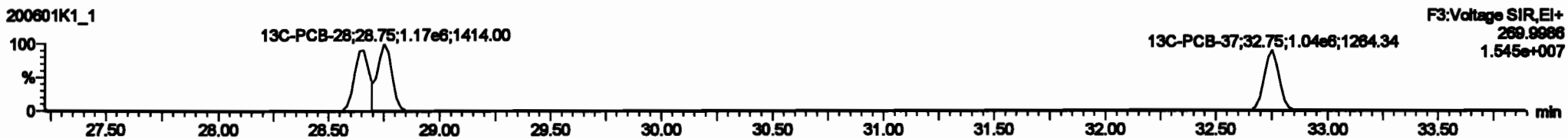
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 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

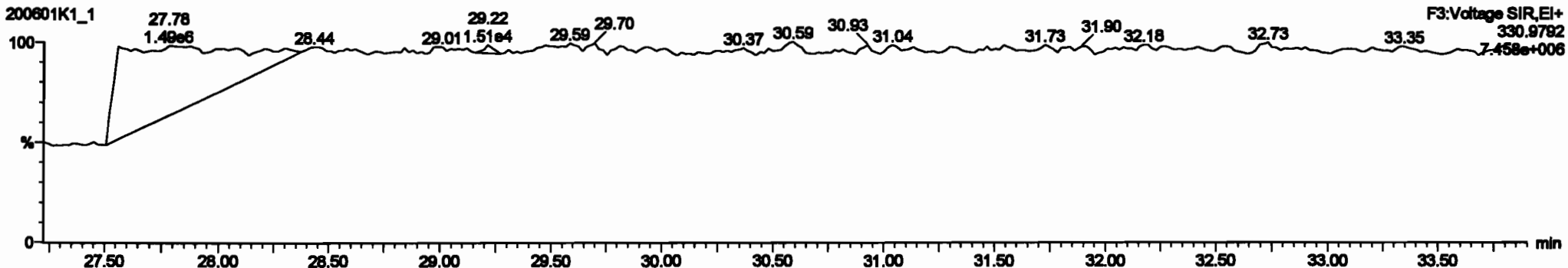
**PCB-34**



**13C-PCB-28**

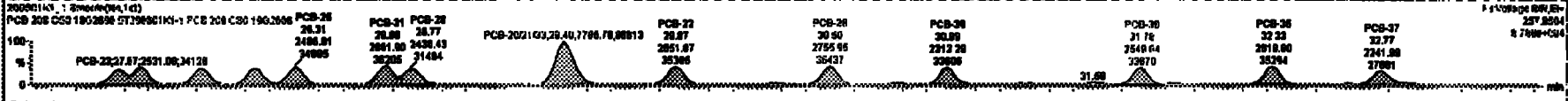
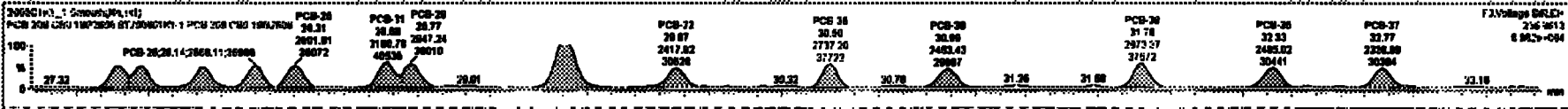


**PFK3d**



PCB	PCB-28	PCB-31	PCB-30	PCB-22	PCB-38	PCB-36	PCB-37
228	1.0770	1.000	0.00	0.000	ND	0.017	0.267
229	1.2157	1.000	0.00	0.000	ND	0.000	0.310
230	1.0725	1.000	0.00	0.000	ND	1.140	0.000
231	0.0000	1.000	0.00	0.000	ND	3.400	0.100
232	1.0010	1.000	0.00	0.000	ND	0.001	0.100
233	1.3091	1.000	0.00	0.000	ND	0.000	0.220
234	1.0000	1.000	0.00	0.000	ND	2.100	0.0714
235	1.1400	1.000	0.00	0.000	ND	0.7210	0.0207
236	0.0000	1.000	0.00	0.000	ND	0.7101	0.0000
237	0.0004	1.000	0.00	0.000	ND	0.2200	0.0000
238							

PCB	PCB-28	PCB-31	PCB-30	PCB-22	PCB-38	PCB-36	PCB-37
18	27.00	27.00	2.0200	2.2000	1.000	1.14	ND
19	27.00	27.07	2.0140	2.0140	1.000	1.00	ND
20	27.01	27.01	2.0000	2.0000	1.000	1.11	ND
21	28.14	28.14	2.0000	2.4000	1.000	1.00	ND
22	28.20	28.20	2.0000	2.4000	1.000	1.13	ND
23	28.00	28.00	2.0000	2.0000	1.000	1.10	ND
24	28.77	28.77	2.0000	2.0000	1.000	1.17	ND
25	28.01	28.01	2.0000	2.0000	1.000	1.00	ND
26	28.00	28.00	2.0000	2.0000	1.000	0.01	ND



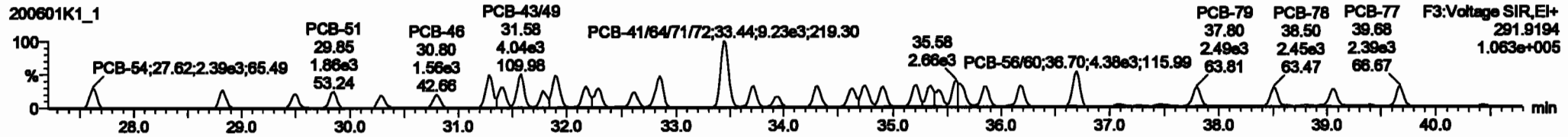
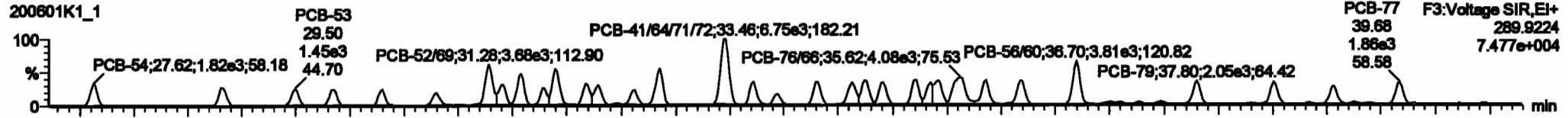


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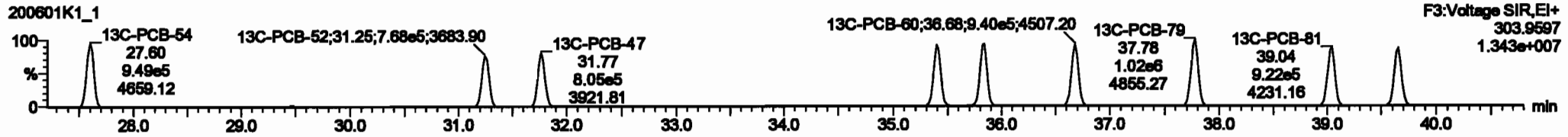
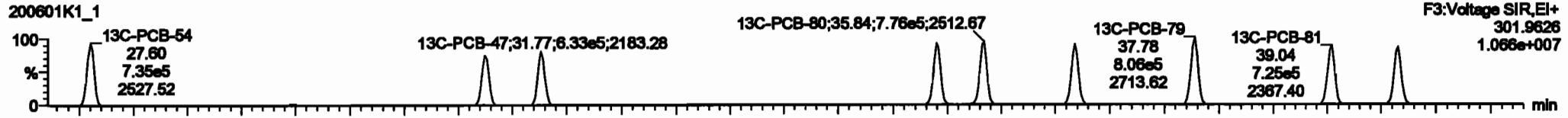
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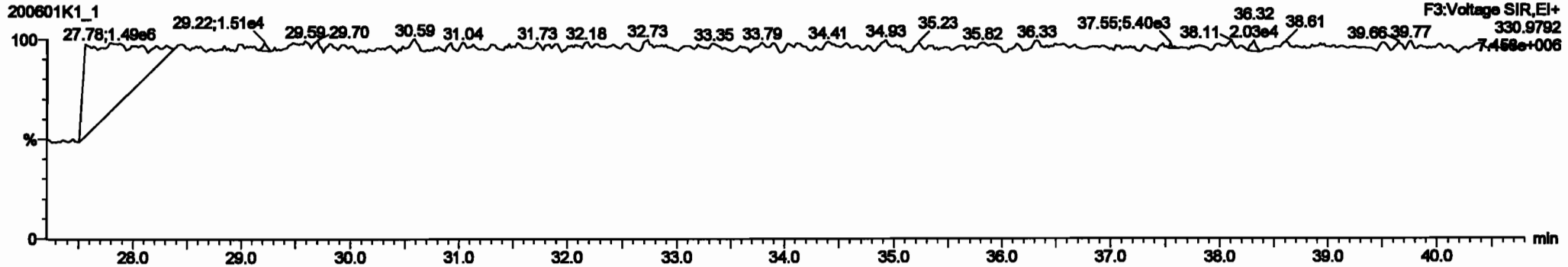
**PCB-54**



**13C-PCB-54**



**PFK3a**



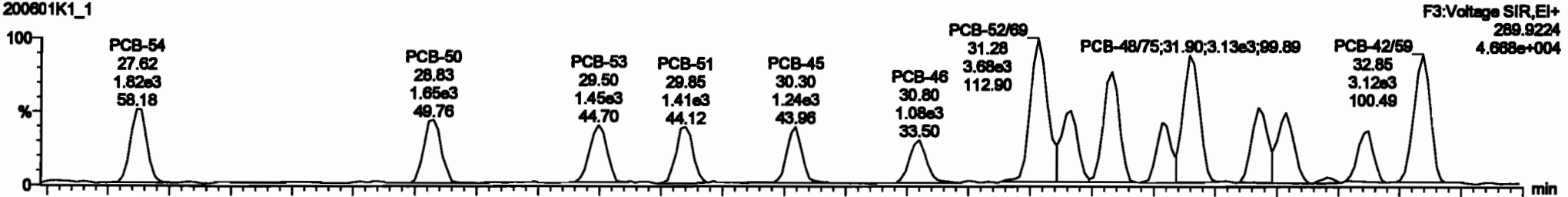
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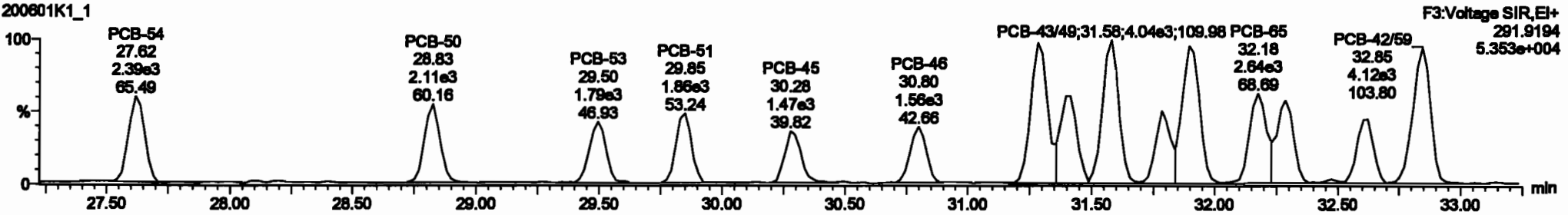
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**PCB-50**

200601K1\_1

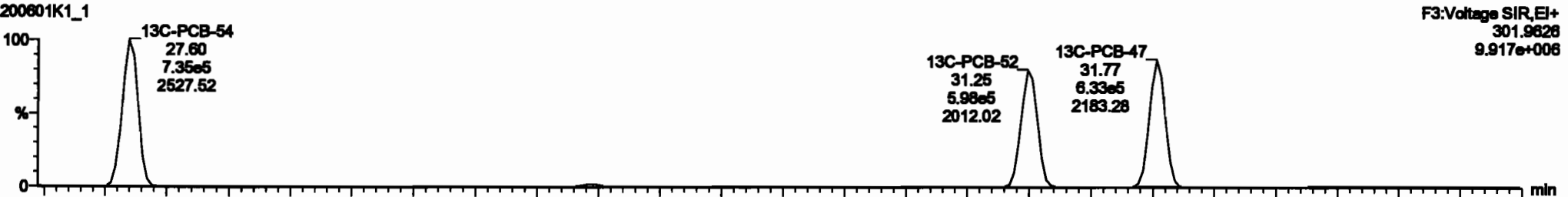


200601K1\_1

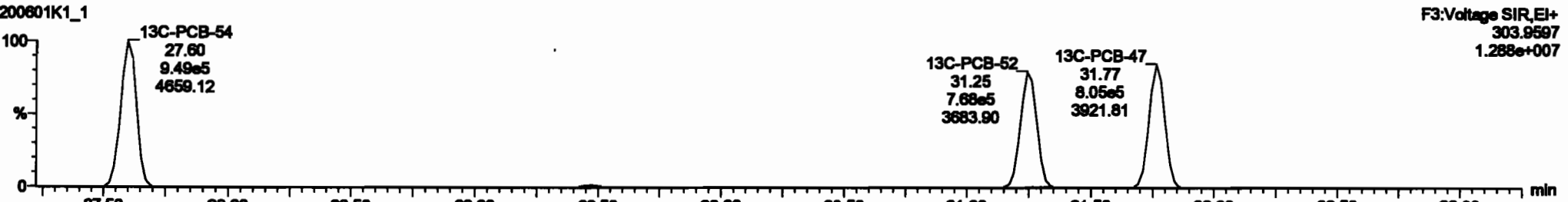


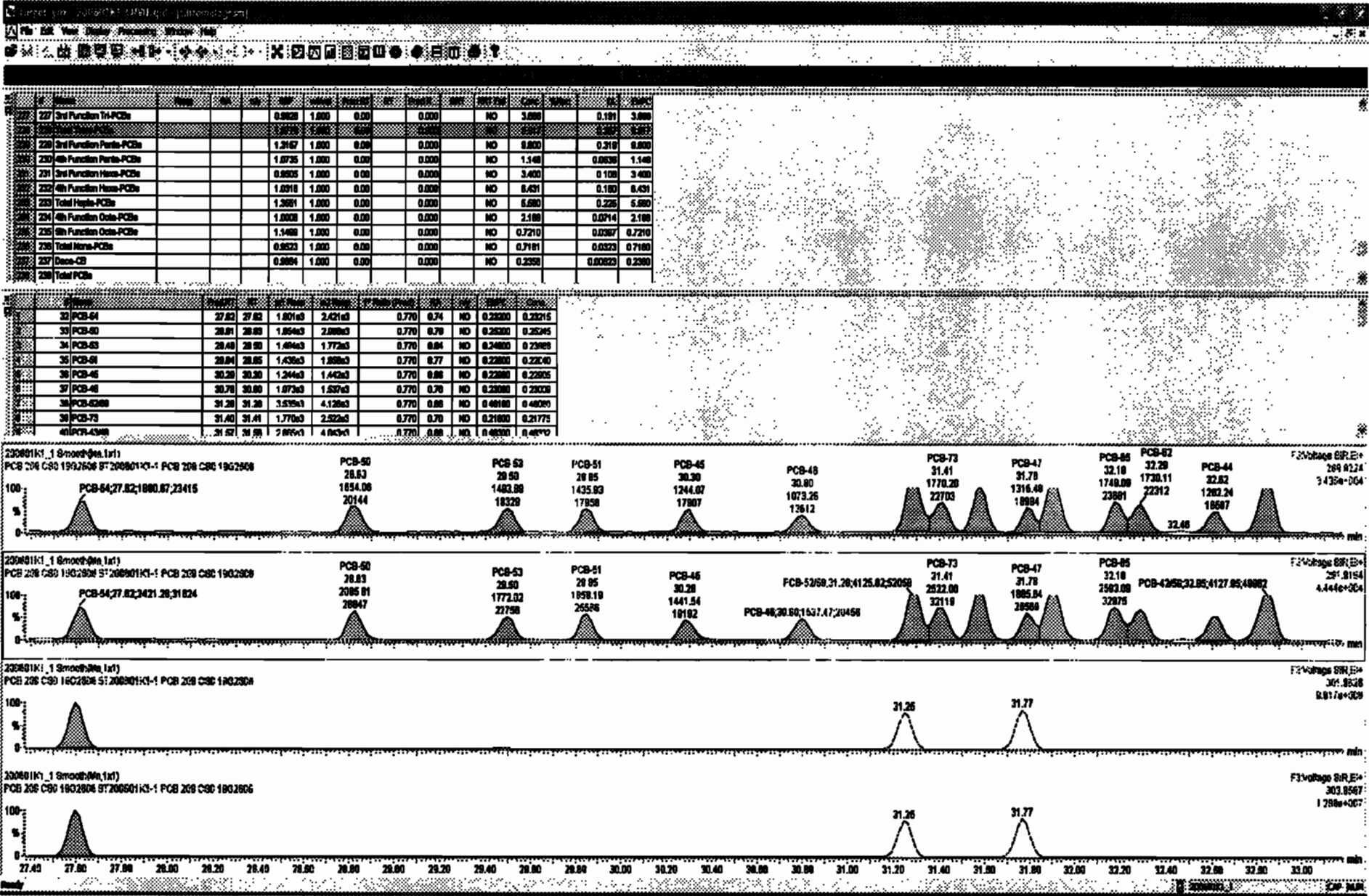
**<sup>13</sup>C-PCB-52**

200601K1\_1



200601K1\_1



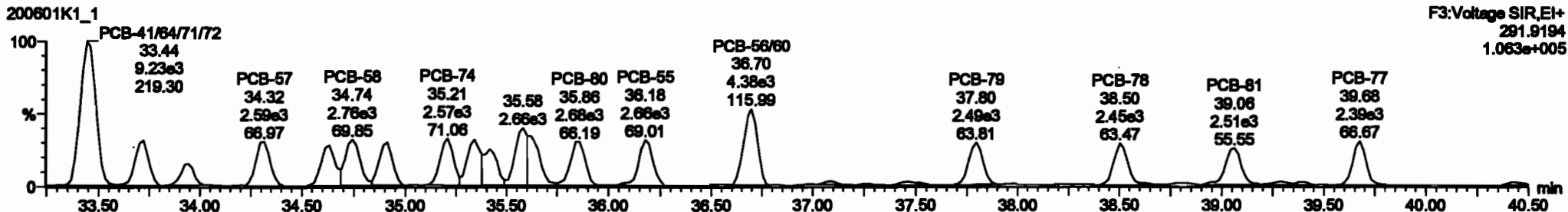
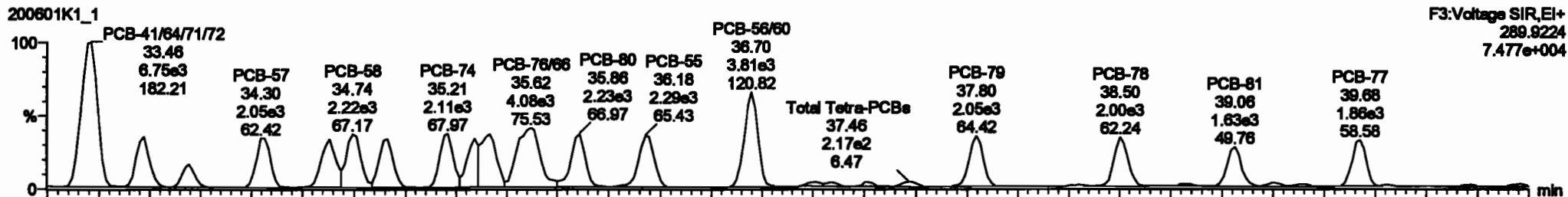


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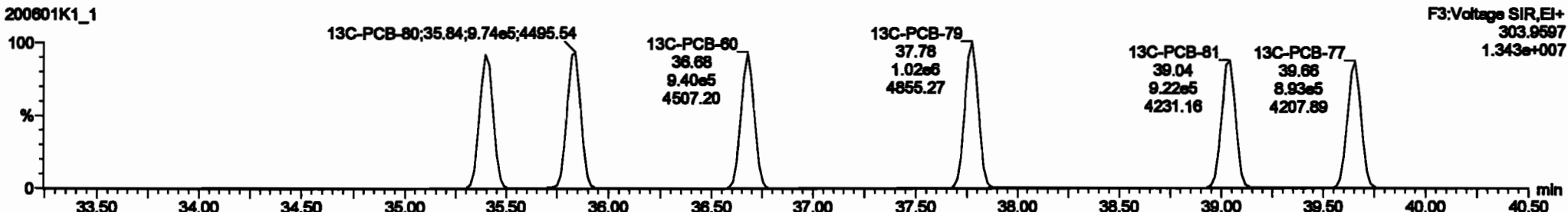
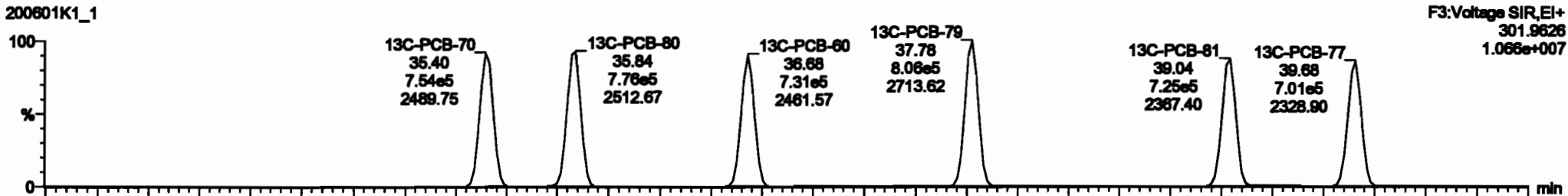
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Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

**PCB-68**

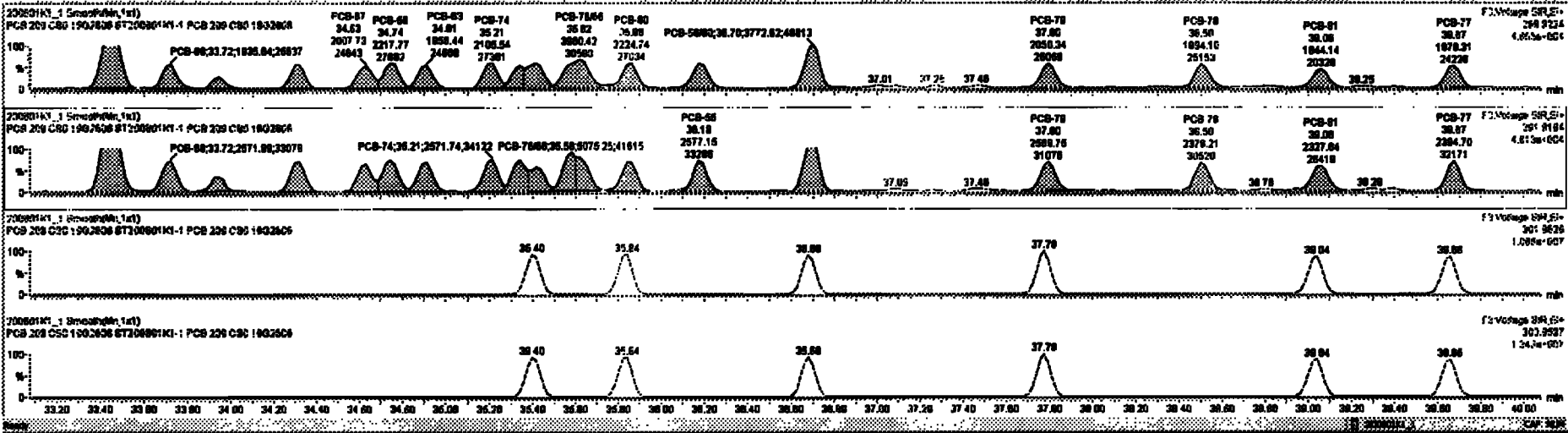


**13C-PCB-60**



Item	Material	QTY	Unit	Cost	Value	Weight	Volume	Notes	QTY	Unit	Cost	Value	Weight	Volume
227	2nd Function 1M-PCBs	0.0000	1.000	0.00	0.000	0.000	NO	3.500	0.181	1.800	0.321	3.500	0.181	1.800
228	2nd Function Parts-PCBs	1.2167	1.000	0.00	0.000	NO	0.000	0.313	0.800	0.513	0.800	0.513	0.800	0.513
229	4th Function Parts-PCBs	1.0726	1.000	0.00	0.000	NO	1.540	0.550	1.540	0.550	1.540	0.550	1.540	0.550
230	2nd Function Hous-PCBs	0.0000	1.000	0.00	0.000	NO	3.400	0.100	3.400	0.100	3.400	0.100	3.400	0.100
231	4th Function Hous-PCBs	1.0310	1.000	0.00	0.000	NO	0.431	0.100	0.431	0.100	0.431	0.100	0.431	0.100
232	Total Hous-PCBs	1.3881	1.000	0.00	0.000	NO	0.500	0.225	0.500	0.225	0.500	0.225	0.500	0.225
233	4th Function Oute-PCBs	1.0000	1.000	0.00	0.000	NO	2.500	0.0714	2.500	0.0714	2.500	0.0714	2.500	0.0714
234	2nd Function Oute-PCBs	1.1400	1.000	0.00	0.000	NO	0.7210	0.0307	0.7210	0.0307	0.7210	0.0307	0.7210	0.0307
235	Total Hous-PCBs	0.0000	1.000	0.00	0.000	NO	0.7101	0.0323	0.7101	0.0323	0.7101	0.0323	0.7101	0.0323
237	Dress-CD	0.0004	1.000	0.00	0.000	NO	0.2000	0.0023	0.2000	0.0023	0.2000	0.0023	0.2000	0.0023
238	Total PCBs													

Item	Material	QTY	Unit	Cost	Value	Weight	Volume	Notes	QTY	Unit	Cost	Value	Weight	Volume
32	PCB-84	27.02	27.02	1.801e0	2.421e0	0.770	0.24	NO	0.23200	0.23218				
33	PCB-85	28.01	28.01	1.801e0	2.000e0	0.770	0.29	NO	0.20200	0.20240				
34	PCB-86	28.00	28.00	1.801e0	1.772e0	0.770	0.34	NO	0.24000	0.23880				
35	PCB-87	28.04	28.04	1.430e0	1.880e0	0.770	0.27	NO	0.22800	0.22840				
36	PCB-88	30.20	30.20	1.244e0	1.442e0	0.770	0.08	NO	0.22800	0.22804				
37	PCB-89	30.70	30.00	1.072e0	1.000e0	0.770	0.20	NO	0.23000	0.23000				
38	PCB-90	31.20	31.20	3.030e0	4.120e0	0.770	0.08	NO	0.40100	0.40080				
39	PCB-91	31.00	31.01	1.770e0	2.020e0	0.770	0.20	NO	0.21000	0.21775				
40	PCB-430R	31.07	31.00	2.000e0	4.040e0	0.770	0.09	NO	0.40000	0.40000				

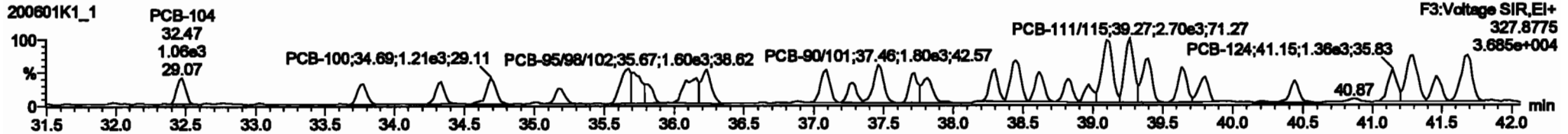
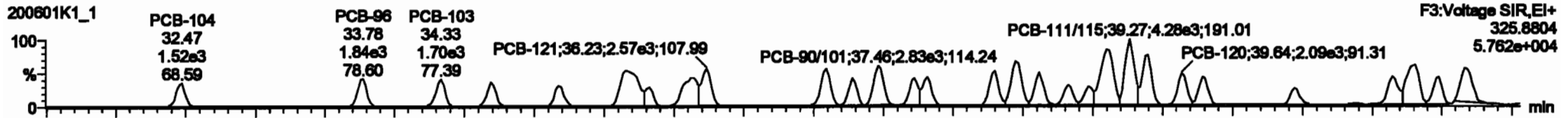


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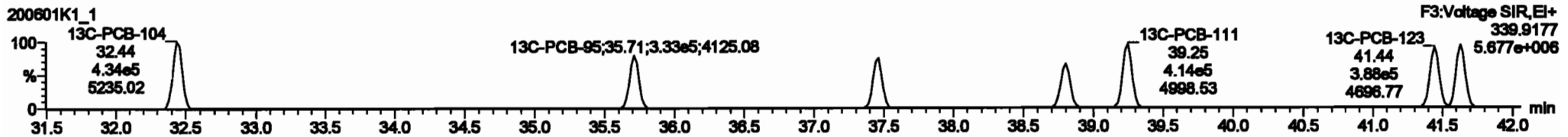
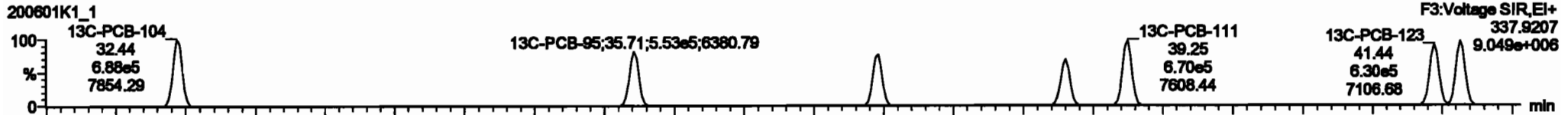
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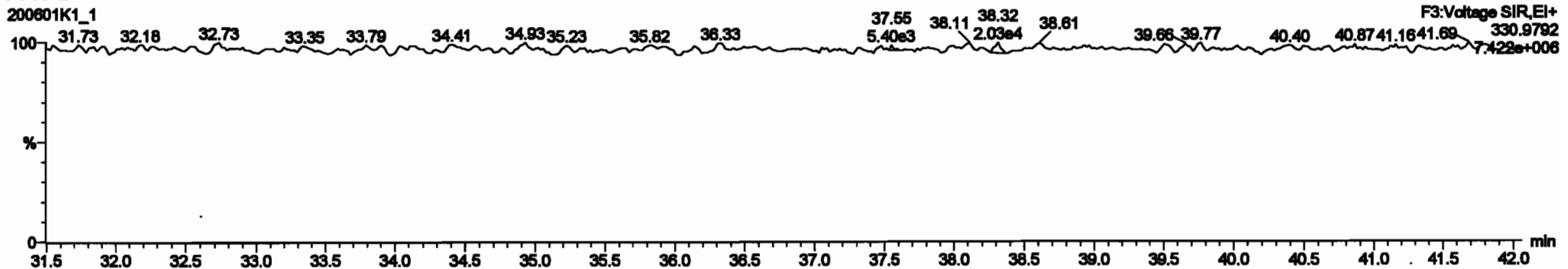
**PCB-104**



**13C-PCB-104**



**PFK3b**





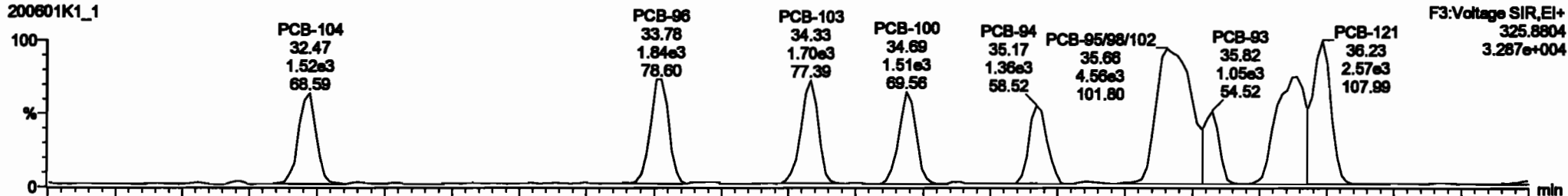
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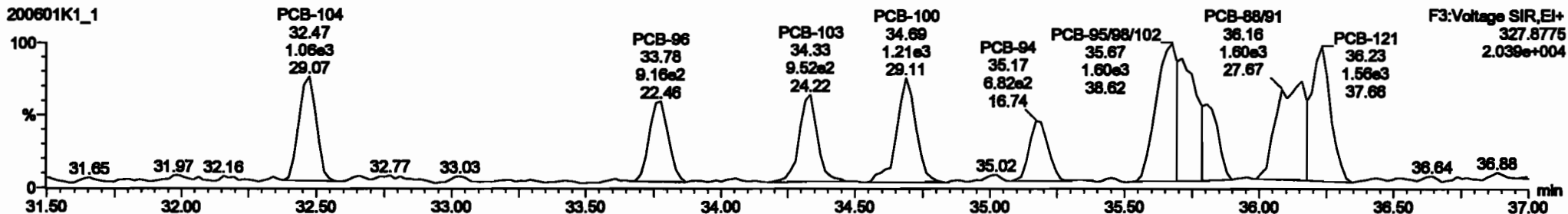
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PCB-96

200601K1\_1



200601K1\_1

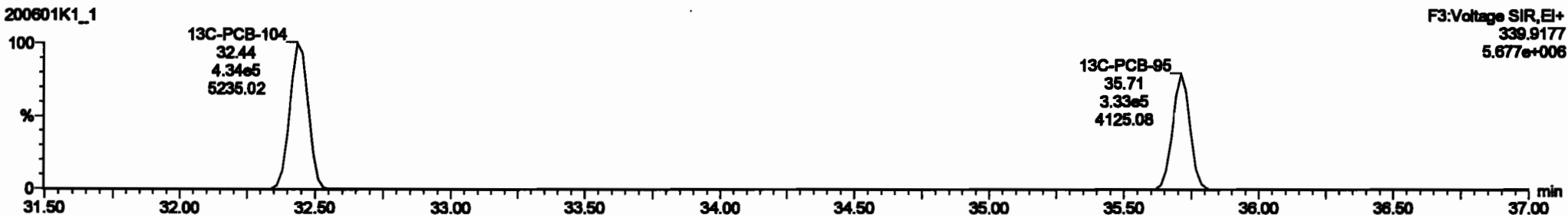


13C-PCB-95

200601K1\_1

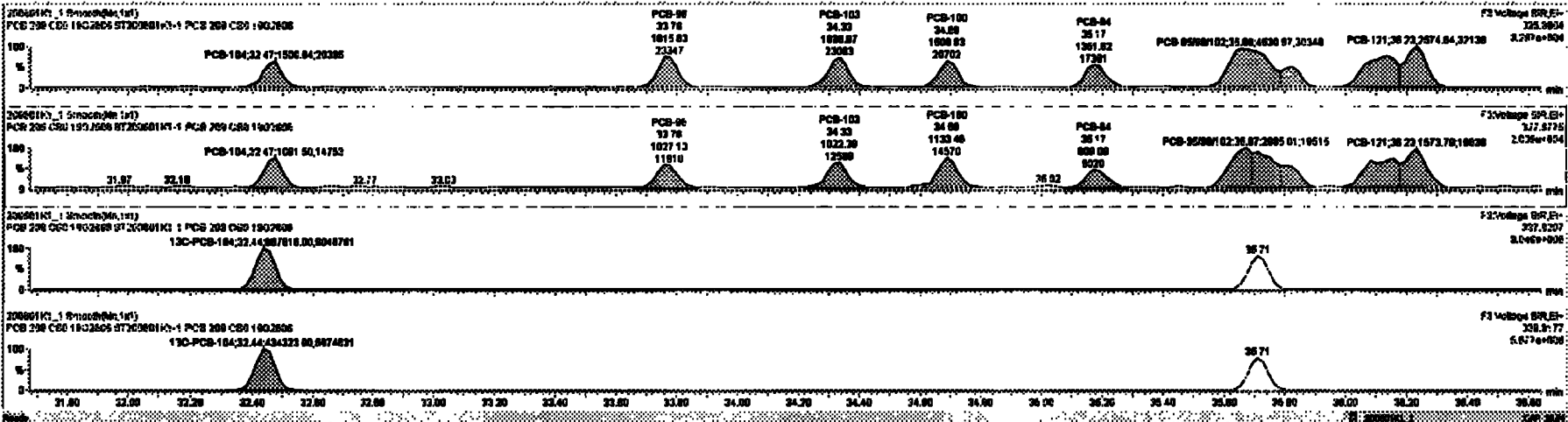


200601K1\_1



Item	Mass	Area	Conc	Unit	Mass	Area	Conc	Unit	Mass	Area	Conc	Unit		
227 2nd Function TAP-PCBs					0.8928	1.000	0.00		0.000		NO	3.680	0.491	3.680
228 Total TAP-PCBs					1.0776	1.000	0.00		0.000		NO	8.917	0.287	8.917
229 3rd Function Para-PCBs					1.0726	1.000	0.00		0.000		NO	1.148	0.038	1.148
230 3rd Function Meta-PCBs					0.8928	1.000	0.00		0.000		NO	3.680	0.108	3.680
231 4th Function Para-PCBs					1.0318	1.000	0.00		0.000		NO	6.421	0.180	6.421
232 Total Para-PCBs					1.2691	1.000	0.00		0.000		NO	6.680	0.225	6.680
233 4th Function Ortho-PCBs					1.0000	1.000	0.00		0.000		NO	2.188	0.074	2.188
234 5th Function Ortho-PCBs					1.1480	1.000	0.00		0.000		NO	6.7210	0.087	6.7210
235 Total Meta-PCBs					0.8928	1.000	0.00		0.000		NO	6.2181	0.023	6.2180
236 Dioxin-CB					0.0000	1.000	0.00		0.000		NO	0.0000	0.0000	0.0000
237 Total PCBs														

PCB	Area	Conc	Unit	Mass	Area	Conc	Unit
84 PCB-104	32.48	32.47	1.89e3	1.891e3	1.888	1.37	NO
85 PCB-88	32.78	32.78	1.87e3	1.827e3	1.888	1.77	NO
86 PCB-103	34.30	34.30	1.89e3	1.822e3	1.888	1.88	NO
87 PCB-180	34.87	34.88	1.89e3	1.133e3	1.888	1.33	NO
88 PCB-84	35.18	35.17	1.89e3	6.021e2	1.888	1.87	NO
89 PCB-88/98/102	35.87	35.88	4.89e3	2.888e3	1.888	1.83	NO
90 PCB-88	35.78	35.82	1.04e3	7.388e2	1.888	1.42	NO
91 PCB-88/91	35.14	35.14	2.88e3	1.85e3	1.888	1.77	NO
92 PCB-121	35.30	35.30	2.87e3	1.87e3	1.888	1.84	NO



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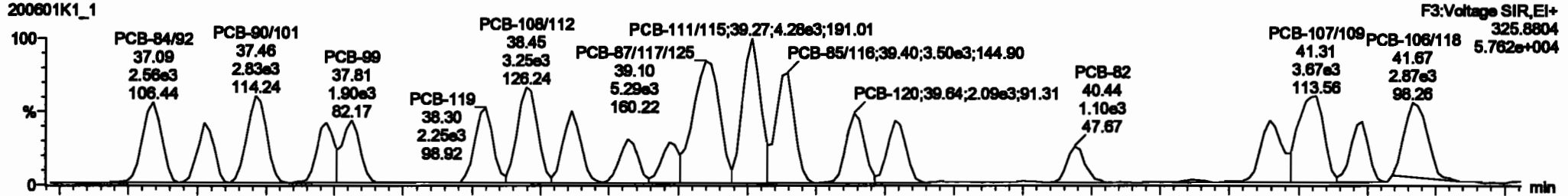
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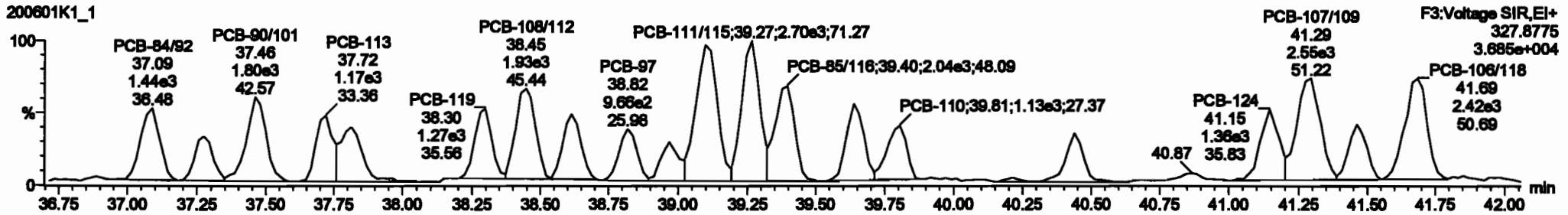
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**PCB-119**

200801K1\_1

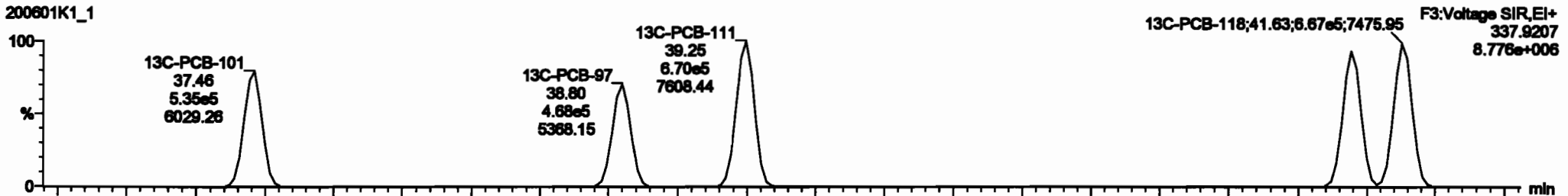


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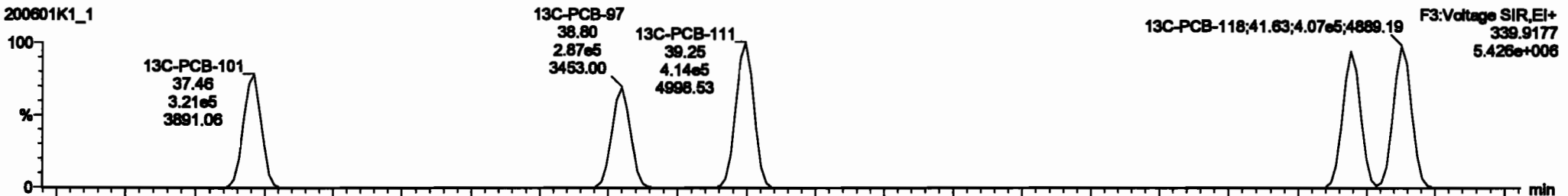


**13C-PCB-111**

200801K1\_1

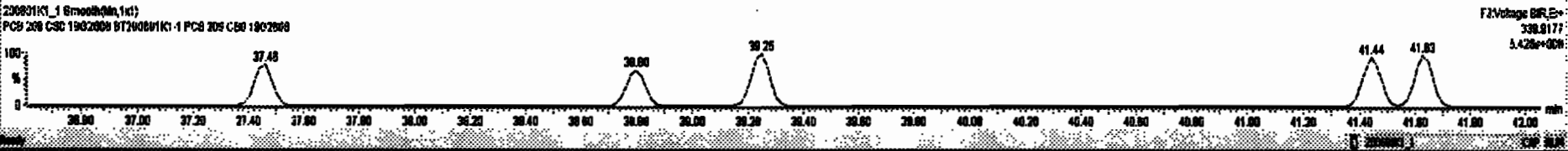
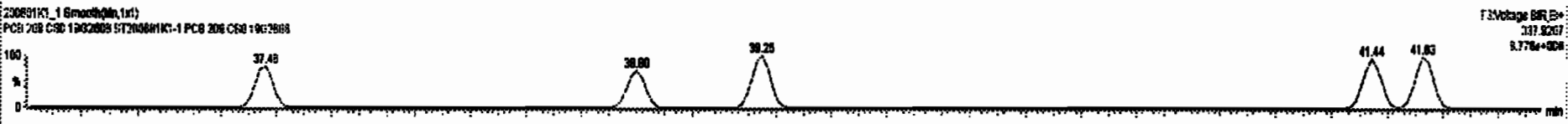
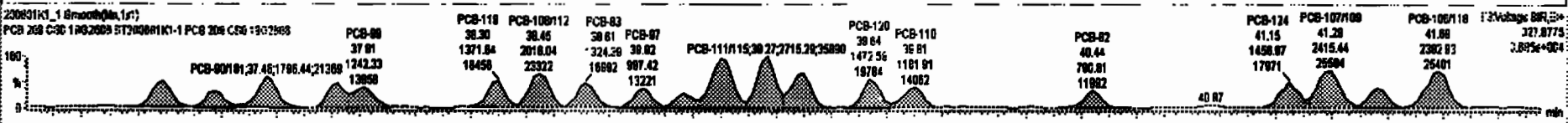
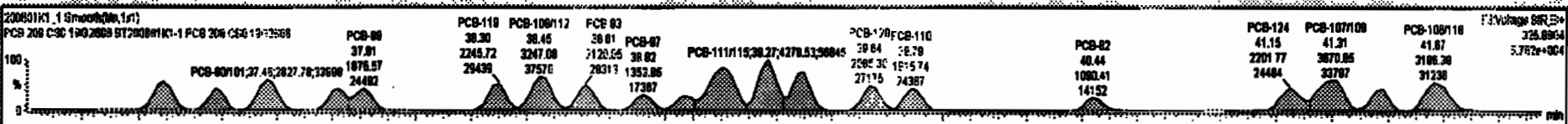


200801K1\_1



#	Name	Mass	RA	RG	RM	Value	Passes	ST	Passes	ST	Passes	ST	Passes	ST	Passes	ST
227	2nd Function T4-PCBs					0.0028	1,000	0.00	0.0000	ND	3,000		0.191	3,000		
228	Total T4s-PCBs					1.0778	1,000	0.00	0.0000	ND	9,917		0.267	9,917		
229	3rd Function Para-PCBs					1.0735	1,000	0.00	0.0000	ND	3,000		0.263	3,000		
230	4th Function Para-PCBs					1.0735	1,000	0.00	0.0000	ND	1,140		0.0636	1,140		
231	2nd Function Hesa-PCBs					0.0005	1,000	0.00	0.0000	ND	3,400		0.100	3,400		
232	4th Function Hesa-PCBs					1.0010	1,000	0.00	0.0000	ND	8,431		0.180	8,431		
233	Total Hesa-PCBs					1.0001	1,000	0.00	0.0000	ND	5,900		0.225	5,900		
234	4th Function Octa-PCBs					1.0008	1,000	0.00	0.0000	ND	2,100		0.0714	2,100		
235	5th Function Octa-PCBs					1.1400	1,000	0.00	0.0000	ND	0,720		0.0307	0,720		
236	Total Hesa-PCBs					0.0023	1,000	0.00	0.0000	ND	0,701		0.0023	0,701		
237	Deca-CB					0.0004	1,000	0.00	0.0000	ND	0,268		0.00020	0,268		
238	Total PCBs															

#	Name	Peak	RT	Area	Height	Width	Area	Height	Width	Area	Height	Width	Area	Height	Width	Area	Height	Width
84	PCB-104	32.48	32.47	1.580e3	1.091e3	1.580	1.57	ND	0.20000	0.20002								
85	PCB-88	33.78	33.78	1.846e3	1.822e3	1.580	1.77	ND	0.22000	0.21957								
86	PCB-103	34.30	34.33	1.697e3	1.822e3	1.580	1.85	ND	0.25000	0.25077								
87	PCB-100	34.67	34.69	1.507e3	1.133e3	1.580	1.33	ND	0.24700	0.24675								
89	PCB-84	35.18	35.17	1.352e3	8.891e2	1.580	1.87	ND	0.25700	0.25688								
89	PCB-8909102	35.67	35.66	4.531e3	2.955e3	1.580	1.52	ND	0.70400	0.70414								
70	PCB-89	35.78	35.82	1.048e3	7.388e2	1.580	1.42	ND	0.21600	0.21512								
71	PCB-8901	36.14	36.14	2.922e3	1.854e3	1.580	1.77	ND	0.40500	0.40462								
72	PCB-121	36.23	36.23	7.575e3	1.574e3	1.580	1.84	ND	0.27400	0.27392								

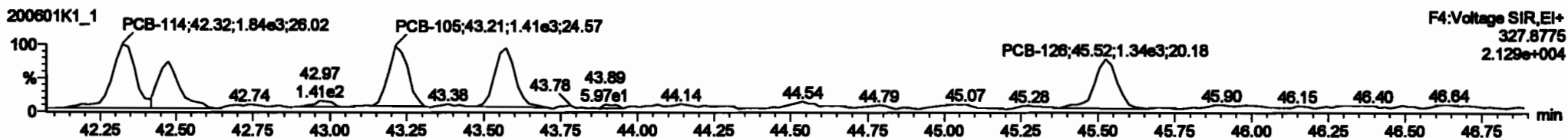
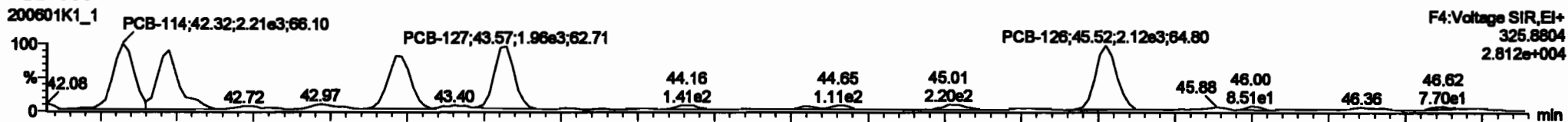


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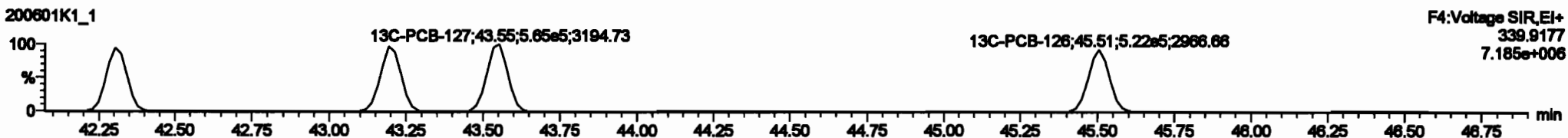
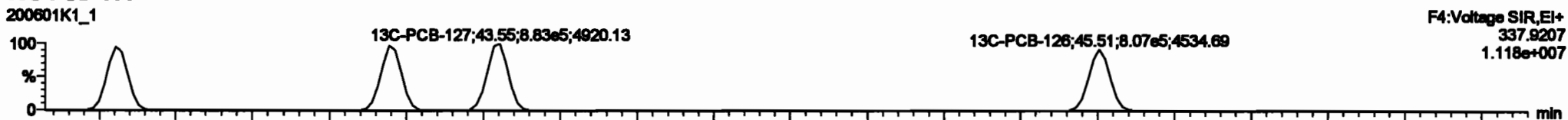
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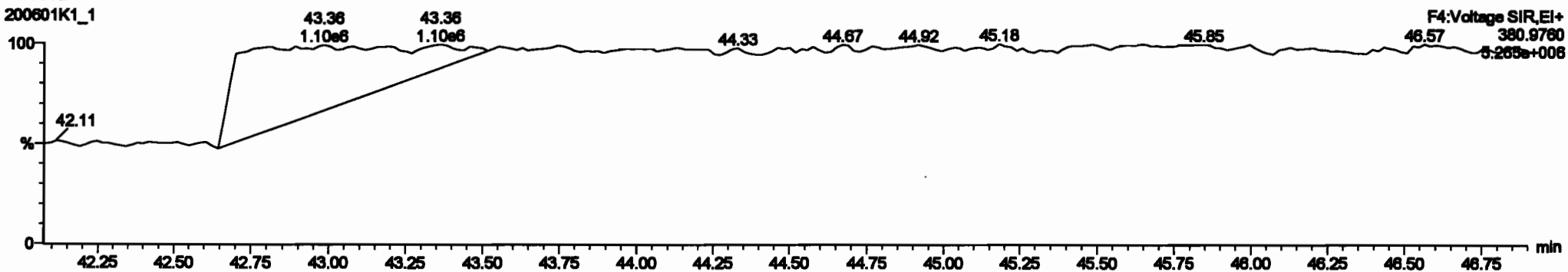
**PCB-114**



**13C-PCB-114**

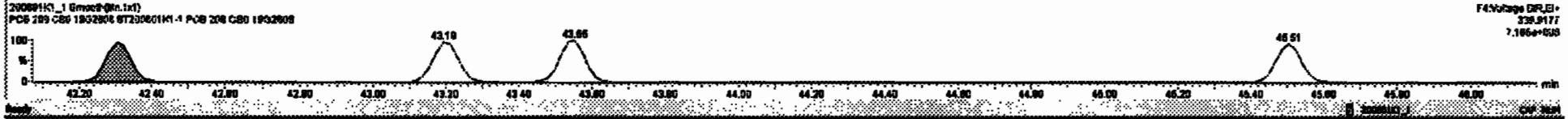
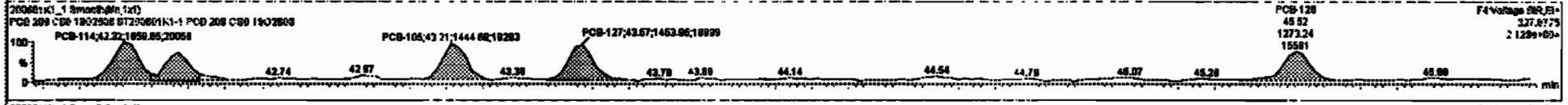
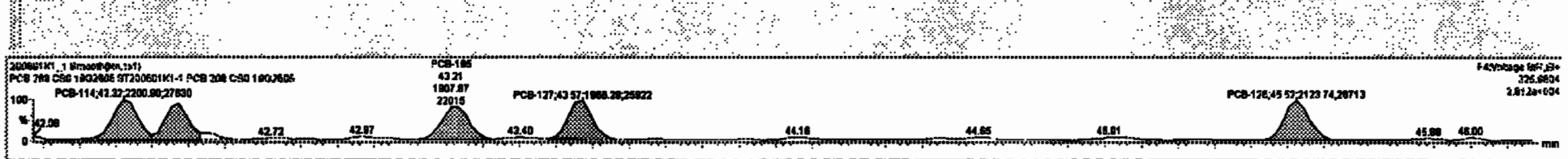


**PFK4a**



#	Mass	Area	HR	Age	HR	Age	HR	Age	HR	Age	HR	Age	HR	Age	HR	Age	HR	Age
227	2nd Function Tri-PCBs				0.8828	1.000	0.00		0.8000	NO	3.888		0.101	3.888				
228	Total Tri-PCBs				1.8778	1.000	0.00		0.8000	NO	8.817		0.287	8.817				
229	2nd Function Para-PCBs				1.2157	1.000	0.00		0.8000	NO	8.800		0.318	8.800				
230	Total Para-PCBs				1.2157	1.000	0.00		0.8000	NO	8.800		0.318	8.800				
231	2nd Function Hexa-PCBs				0.8808	1.000	0.00		0.8000	NO	3.400		0.108	3.400				
232	Total Hexa-PCBs				1.0318	1.000	0.00		0.8000	NO	6.431		0.180	6.431				
233	Total Hepta-PCBs				1.2881	1.000	0.00		0.8000	NO	5.880		0.228	5.880				
234	6th Function Octa-PCBs				1.0008	1.000	0.00		0.8000	NO	2.188		0.6714	2.188				
235	6th Function Octa-PCBs				1.1488	1.000	0.00		0.8000	NO	0.7210		0.0387	0.7210				
236	Total Octa-PCBs				0.8828	1.000	0.00		0.8000	NO	0.7101		0.0328	0.7101				
237	Total PCBs				0.8804	1.000	0.00		0.8000	NO	0.2088		0.0023	0.2088				

#	Mass	Area	HR	Age	HR	Age	HR	Age	HR	Age	HR	Age	HR	Age	HR	Age	HR	Age
88	PCB-114	42.22	42.22	2.201e5	1.890e5	1.880	1.33	NO	0.21800	0.26817								
89	PCB-122	42.67	42.67	1.832e5	1.138e5	1.880	1.81	NO	0.23100	0.23888								
86	PCB-105	43.21	43.21	1.888e5	1.444e5	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	45.52	45.52	2.124e5	1.378e5	1.880	1.87	NO	0.21800	0.21888								





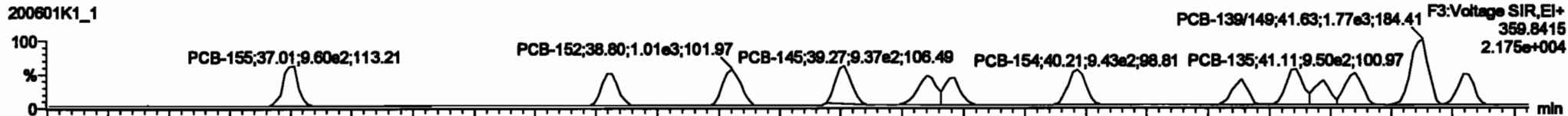
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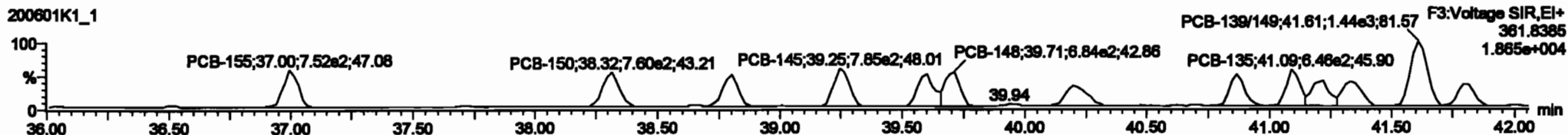
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**PCB-155**

200601K1\_1



200601K1\_1

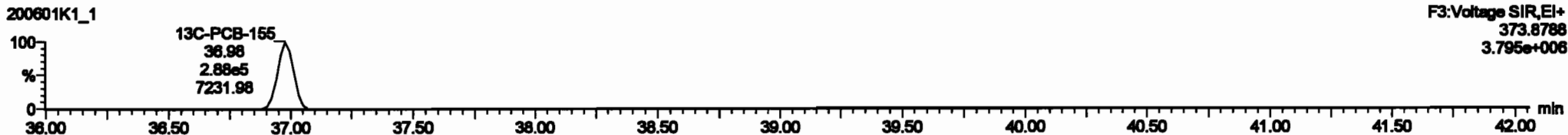


**13C-PCB-155**

200601K1\_1

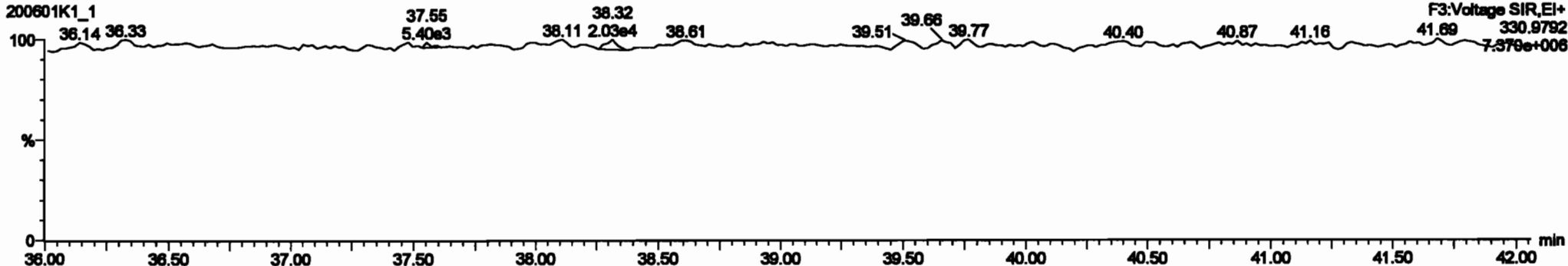


200601K1\_1



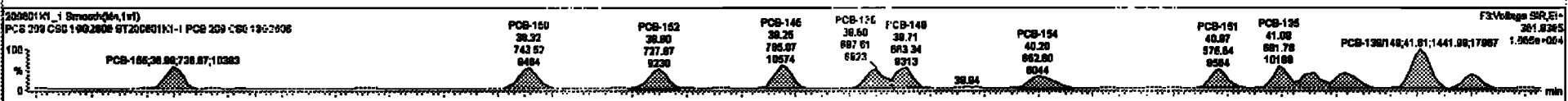
**PFK3c**

200601K1\_1



#	Phase	Mass	CS	CP	PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP
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	9.800		0.318	9.800				
230	4th Function Penta-PCBs				1.0738	1.000	0.00		0.000	NO	1.148		0.0538	1.148				
231	Total Penta-PCBs				2.3925	1.000	0.00		0.000	NO	1.148		0.144	1.148				
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		0.0287	0.7210				
236	Total Octa-PCBs				0.8828	1.000	0.00		0.000	NO	0.7181		0.0328	0.7181				
237	Deca-CP				0.9884	1.000	0.00		0.000	NO	0.2388		0.00828	0.2388				
238	Total PCBs																	

#	Phase	Mass	CS	CP	PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP	CP/PP
89	PCB-158	38.98	37.01	8.801e2	7.387e2	1.240	1.30	NO	0.24700	0.24732								
90	PCB-160	38.32	38.30	8.464e2	7.435e2	1.240	1.14	NO	0.22300	0.22310								
100	PCB-162	38.80	38.80	8.888e2	7.278e2	1.240	1.37	NO	0.22100	0.22078								
101	PCB-146	38.27	38.27	1.018e2	7.881e2	1.240	1.30	NO	0.28100	0.28080								
102	PCB-138	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	8.538e2	1.240	1.38	NO	0.25800	0.25830								
105	PCB-161	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								



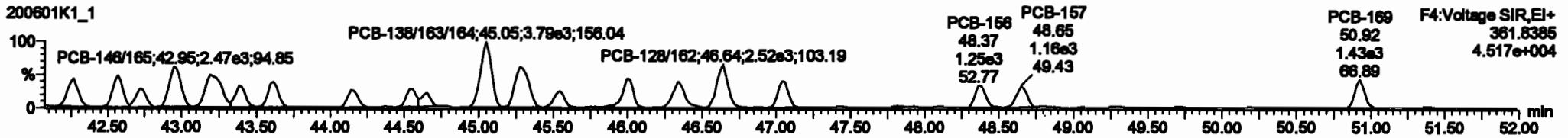
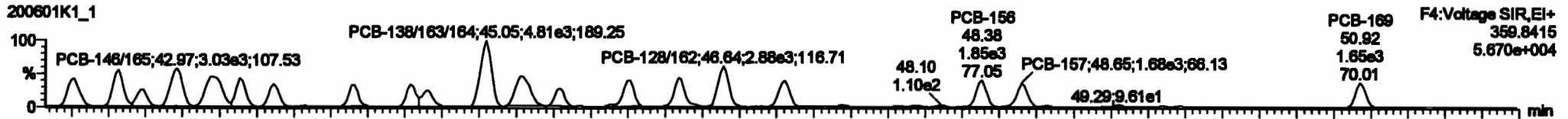
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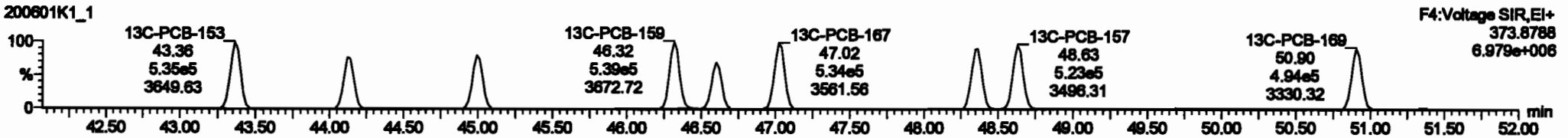
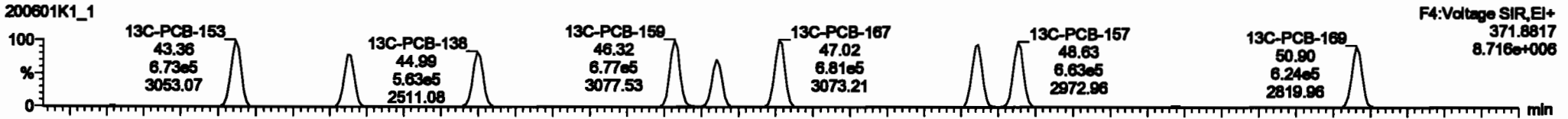
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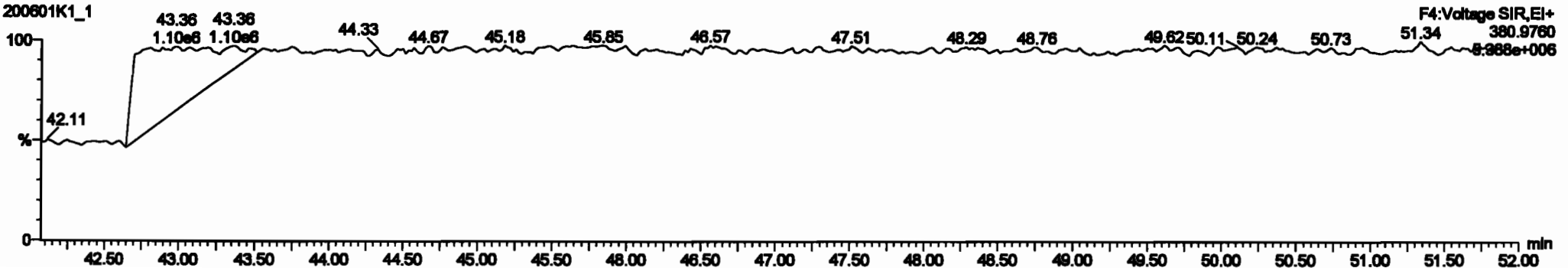
PCB-134/143



13C-PCB-153

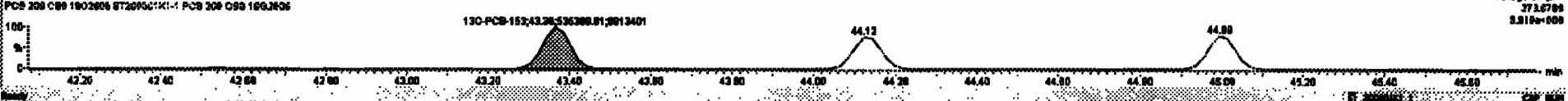
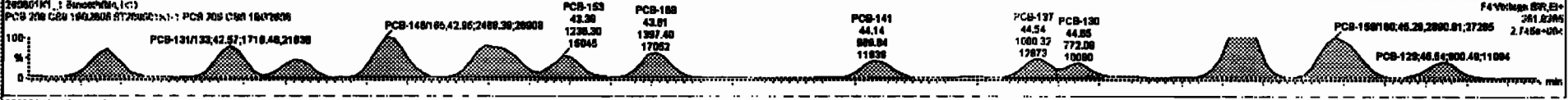


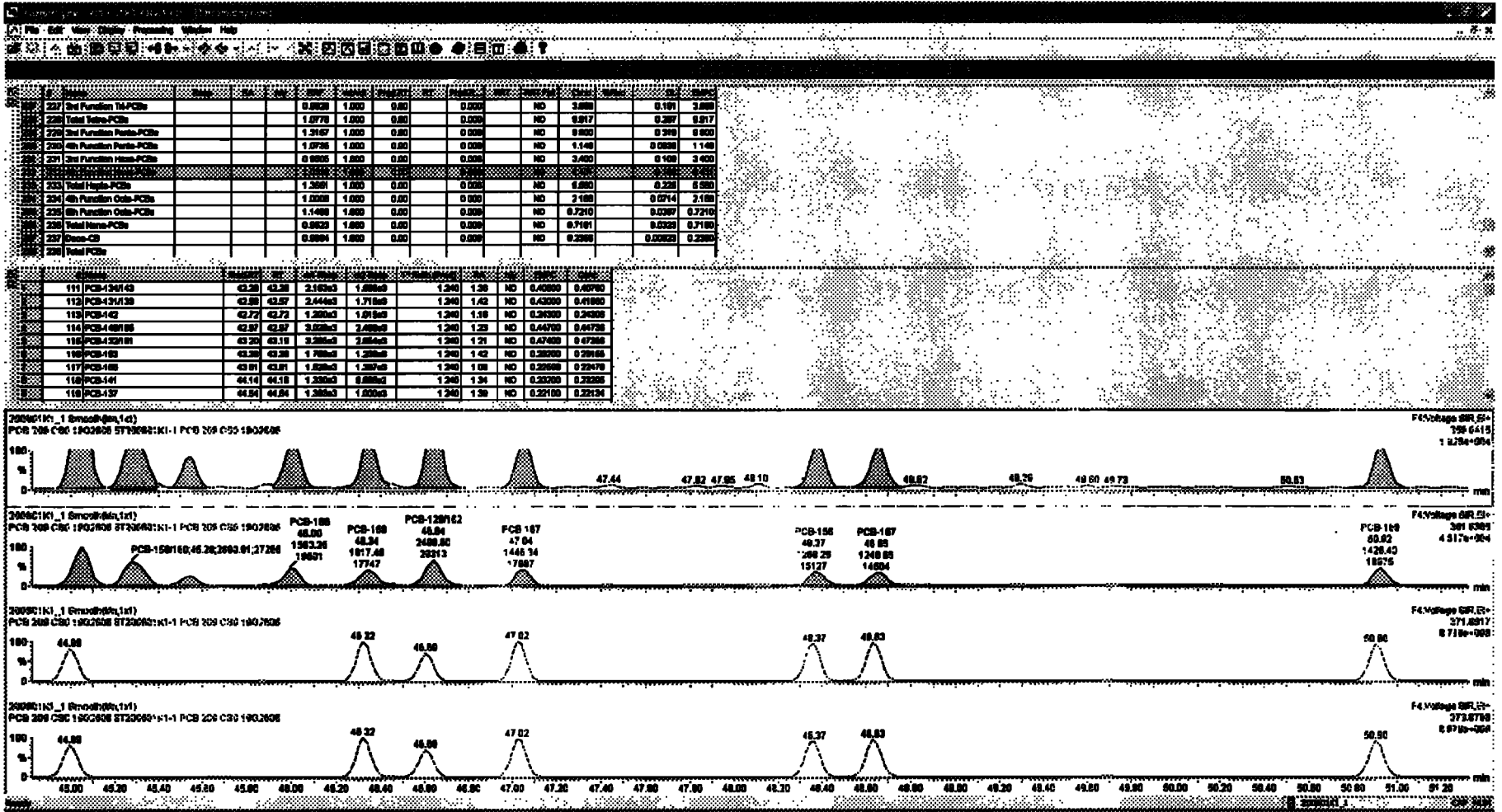
PFK4b



PCB	Function	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt
227	3rd Function In-PCBs			0.0028	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	0.0838	1.148							
231	3rd Function Meta-PCBs			0.0003	1.000	0.00	0.000	NO	3.480	0.108	3.480							
232	Total Para-PCBs			1.2191	1.000	0.00	0.000	NO	13.388	0.4158	13.388							
233	Total High-PCBs			1.2091	1.000	0.00	0.000	NO	5.980	0.223	5.980							
234	6th Function Oxa-PCBs			1.0000	1.000	0.00	0.000	NO	2.188	0.9714	2.188							
235	6th Function Oxa-PCBs			1.1488	1.000	0.00	0.000	NO	0.7210	0.0887	0.7210							
236	Total Meta-PCBs			0.0023	1.000	0.00	0.000	NO	0.7181	0.0323	0.7181							
237	Diox-Cl			0.0004	1.000	0.00	0.000	NO	0.2988	0.0023	0.2988							
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	42.20	42.20	2.1520	1.0000	1.240	1.28	NO	0.4080	0.4070							
112	PCB-131/33	42.80	42.87	2.4440	1.7180	1.240	1.42	NO	0.4200	0.4180							
113	PCB-142	42.72	42.72	1.2000	1.0160	1.240	1.18	NO	0.2400	0.2400							
114	PCB-148/165	42.97	42.97	3.0200	2.4800	1.240	1.28	NO	0.4470	0.4470							
115	PCB-132/181	43.30	43.10	3.2000	2.8000	1.240	1.21	NO	0.4700	0.4700							
116	PCB-153	43.30	43.30	1.7000	1.2300	1.240	1.42	NO	0.2200	0.2200							
117	PCB-188	43.81	43.81	1.2000	1.2000	1.240	1.00	NO	0.2200	0.2200							
118	PCB-141	44.14	44.14	1.2000	0.8000	1.240	1.24	NO	0.2200	0.2200							
119	PCB-137	44.84	44.84	1.2000	1.0000	1.240	1.28	NO	0.2200	0.22134							





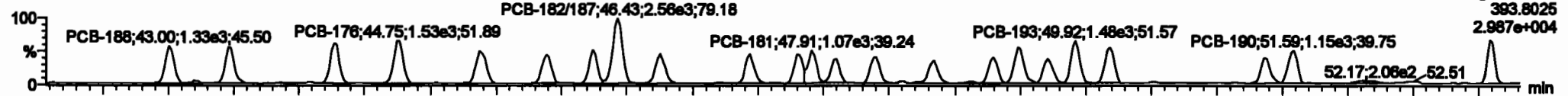
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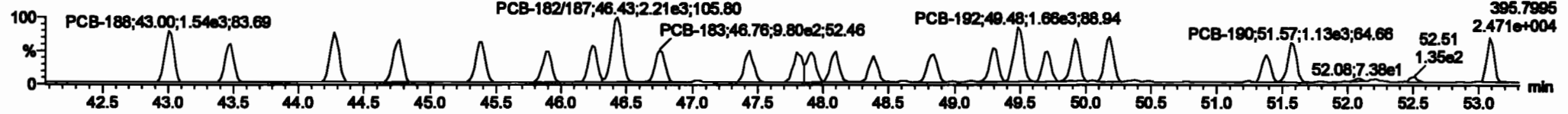
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PCB-188

200601K1\_1

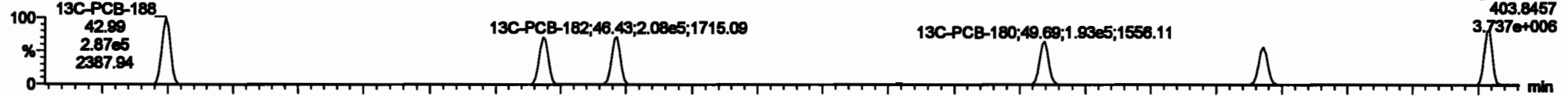


200601K1\_1

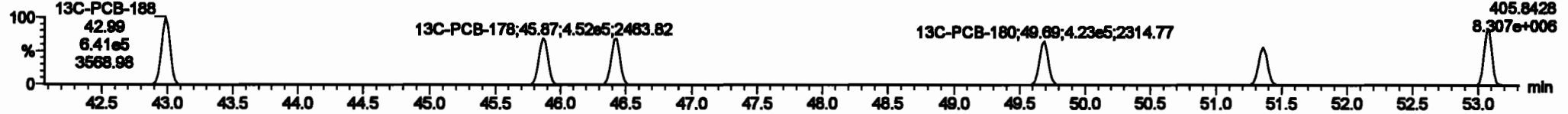


13C-PCB-188

200601K1\_1

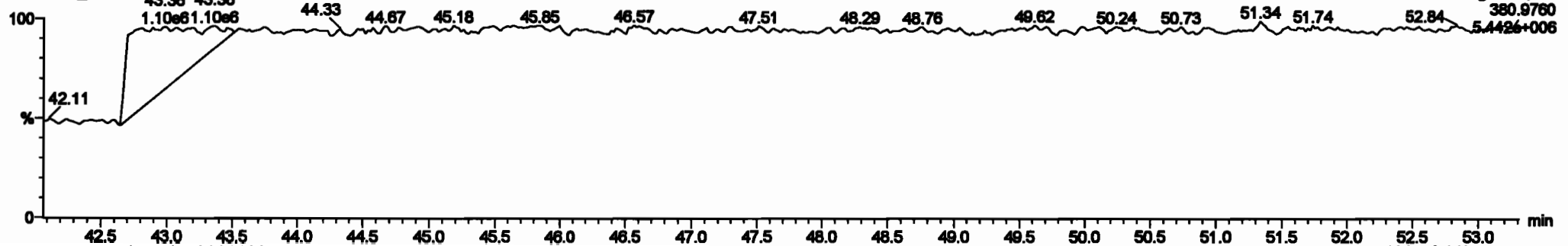


200601K1\_1

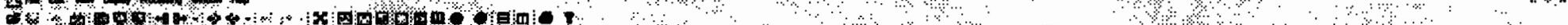


PFK4c

200601K1\_1



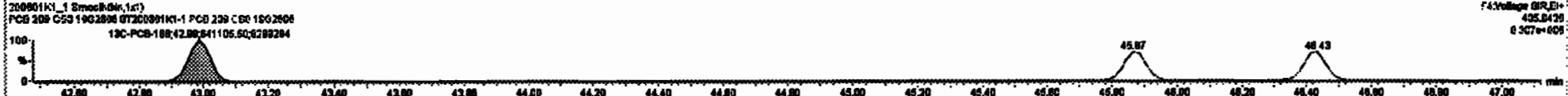
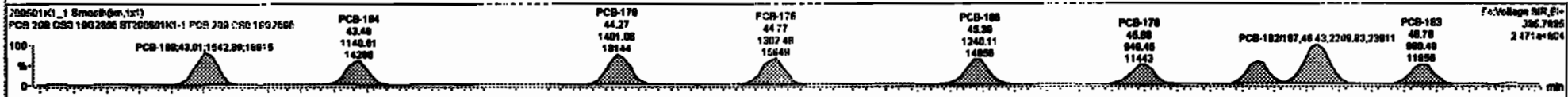
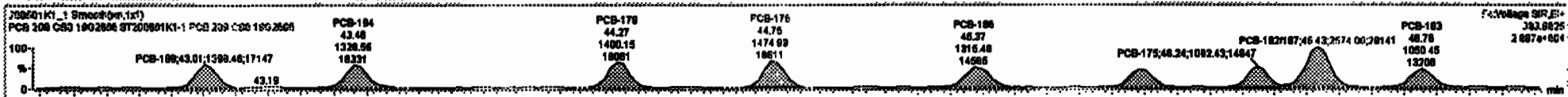




200901KI\_1 Smoother (m, 1x1)

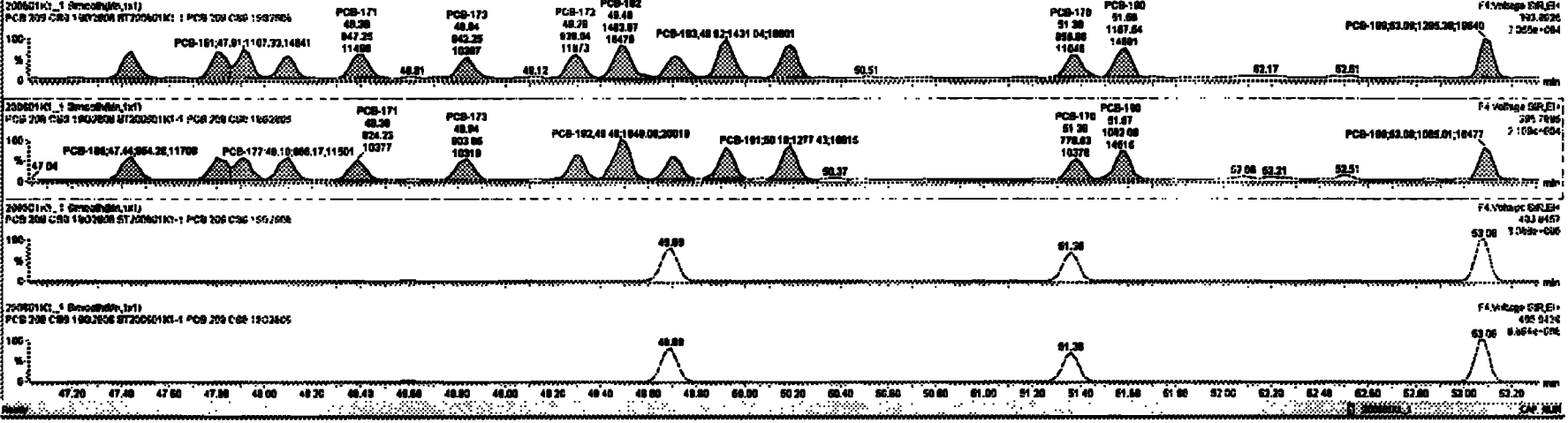
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227	2nd Function TH-PCBs		0.9628	1.000	0.00	0.0000	NO	3.880	0.181	3.880	
228	Total Toxics-PCBs		1.0778	1.000	0.00	0.0000	NO	8.917	0.297	8.917	
229	2nd Function Para-PCBs		1.2157	1.000	0.00	0.0000	NO	8.880	0.219	8.880	
230	4th Function Para-PCBs		1.0735	1.000	0.00	0.0000	NO	1.148	0.888	1.148	
231	2nd Function Meta-PCBs		0.8505	1.000	0.00	0.0000	NO	3.400	0.108	3.400	
232	4th Function Meta-PCBs		1.0318	1.000	0.00	0.0000	NO	8.431	0.180	8.431	
233	Total PCBs		1.3551	1.000	0.00	0.0000	NO	2.200	0.000	2.200	
234	4th Function Ortho-PCBs		1.0008	1.000	0.00	0.0000	NO	2.188	0.014	2.188	
235	8th Function Ortho-PCBs		1.1488	1.000	0.00	0.0000	NO	0.7210	0.087	0.7210	
236	Total Mono-PCBs		0.9523	1.000	0.00	0.0000	NO	0.7181	0.052	0.7181	
237	Dioxin-CB		0.8894	1.000	0.00	0.0000	NO	0.2588	0.082	0.2588	
238	Total PCBs										

PCB	Concentration	Unit	PCB	Concentration	Unit	PCB	Concentration	Unit	PCB	Concentration	Unit
131	PCB-188		43.03	43.01	1.28e3	1.59e3	1.000	0.91	NO	0.2480	0.2480
132	PCB-184		43.48	43.48	1.25e3	1.14e3	1.000	1.18	NO	0.2188	0.2188
133	PCB-178		44.27	44.27	1.49e3	1.89e3	1.000	1.00	NO	0.2328	0.2328
134	PCB-176		44.74	44.75	1.47e3	1.30e3	1.000	1.13	NO	0.2288	0.2288
135	PCB-186		45.38	45.37	1.21e3	1.24e3	1.000	1.06	NO	0.2070	0.2071
136	PCB-178		45.80	45.88	1.02e3	0.48e3	1.000	1.78	NO	0.2270	0.2270
137	PCB-176		46.24	46.24	1.88e3	1.08e3	1.000	1.01	NO	0.2428	0.2428
138	PCB-182/187		46.42	46.43	2.67e3	2.21e3	1.000	1.15	NO	0.4830	0.4830
139	PCB-183		46.78	46.78	1.85e3	0.82e3	1.000	1.07	NO	0.2138	0.2138



Name	Area	Vol	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT
227 Shell Function Tru-PCBs				0.0028	1.000	0.00		0.000	NO	3.000		0.191	3.000					
228 Total Tru-PCBs				1.0770	1.000	0.00		0.000	NO	0.017		0.207	0.017					
229 Shell Function Pseudo-PCBs				1.3167	1.000	0.00		0.000	NO	0.000		0.310	0.000					
230 4th Function Pseudo-PCBs				1.0720	1.000	0.00		0.000	NO	1.140		0.000	1.140					
231 Shell Function Heme-PCBs				0.0000	1.000	0.00		0.000	NO	3.000		0.100	3.000					
232 4th Function Heme-PCBs				1.0010	1.000	0.00		0.000	NO	0.001		0.100	0.001					
233 Total Heme-PCBs				1.0010	1.000	0.00		0.000	NO	0.001		0.200	0.001					
234 4th Function Ode-PCBs				1.0000	1.000	0.00		0.000	NO	2.100		0.0714	2.100					
235 6th Function Ode-PCBs				1.1400	1.000	0.00		0.000	NO	0.7210		0.0007	0.7210					
236 Total Ode-PCBs				0.0023	1.000	0.00		0.000	NO	0.7100		0.0003	0.7100					
237 Ode-Cl				0.0004	1.000	0.00		0.000	NO	0.2000		0.0000	0.2000					
238 Total PCBs																		

Name	Area	Vol	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT
131 PCB-100	49.00	49.01	1.300e3	1.500e3	1.000	0.01	NO	0.2000	0.2000									
132 PCB-104	43.40	43.40	1.320e3	1.510e3	1.000	1.10	NO	0.2100	0.2100									
133 PCB-170	44.27	44.27	1.400e3	1.400e3	1.000	1.00	NO	0.2000	0.2000									
134 PCB-170	44.74	44.75	1.470e3	1.200e3	1.000	1.13	NO	0.2200	0.2200									
135 PCB-100	45.20	45.20	1.310e3	1.200e3	1.000	1.00	NO	0.2000	0.2000									
136 PCB-170	45.80	45.80	1.000e3	0.800e3	1.000	1.00	NO	0.2000	0.2000									
137 PCB-170	46.24	46.24	1.000e3	1.000e3	1.000	1.01	NO	0.2000	0.2000									
138 PCB-100/104	48.43	48.43	2.070e3	2.210e3	1.000	1.10	NO	0.4000	0.4000									
139 PCB-100	48.70	48.70	1.000e3	0.800e3	1.000	1.07	NO	0.2100	0.2100									



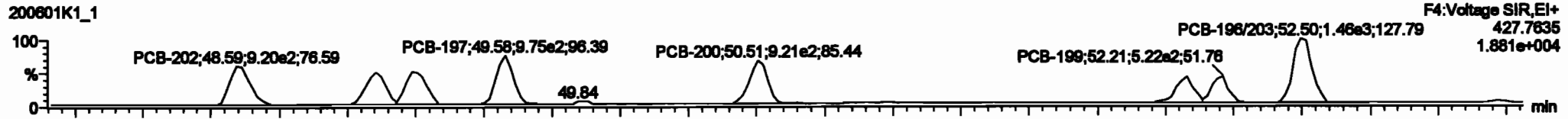
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

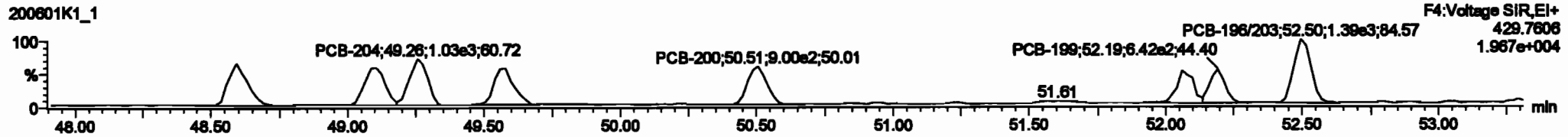
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PCB-202

200601K1\_1

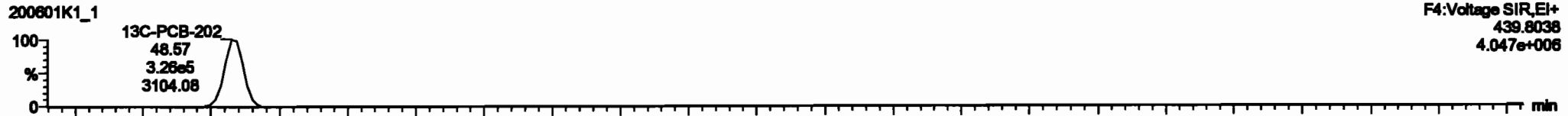


200601K1\_1

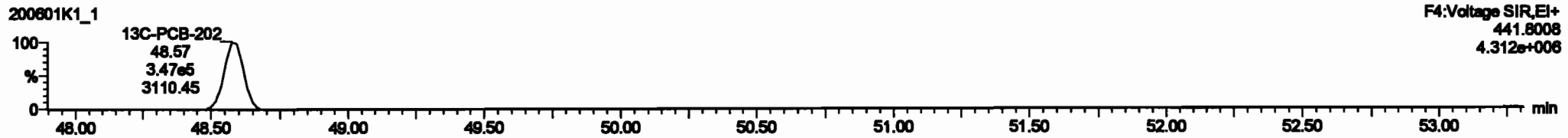


13C-PCB-202

200601K1\_1

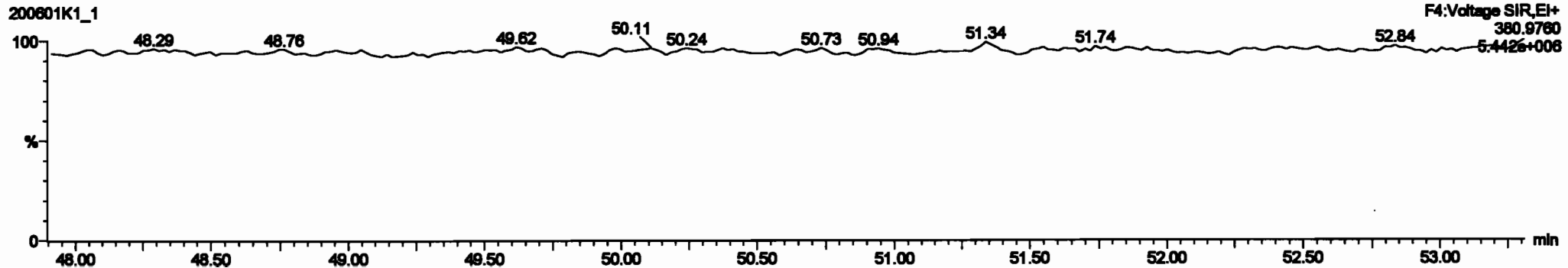


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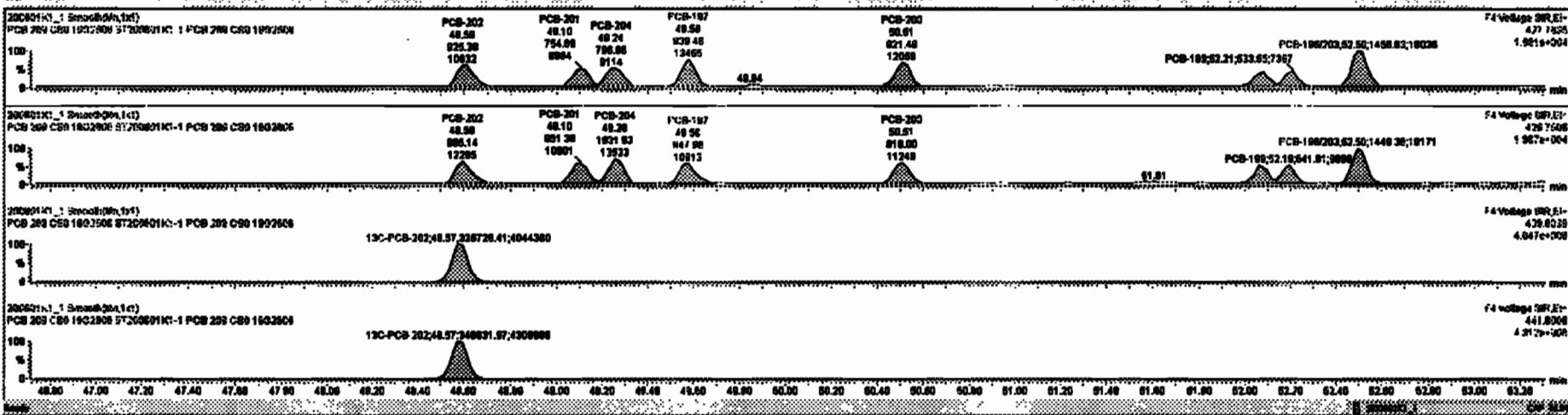
PFK4d

200601K1\_1



Item	Description	QTY	UNIT	PRICE	TOTAL	TAX	NET	DISC	NET	TAX	TOTAL
227	3rd Function Tr-PCBs			0.0000	1.000	0.00	0.000	NO	0.000	0.00	0.000
228	Total Trns-PCBs			1.0770	1.000	0.00	0.000	NO	0.000	0.00	0.000
229	3rd Function Parts-PCBs			1.2107	1.000	0.00	0.000	NO	0.000	0.00	0.000
230	4th Function Parts-PCBs			1.2735	1.000	0.00	0.000	NO	0.000	0.00	0.000
231	3rd Function Hous-PCBs			0.8885	1.000	0.00	0.000	NO	0.000	0.00	0.000
232	4th Function Hous-PCBs			1.8910	1.000	0.00	0.000	NO	0.000	0.00	0.000
233	Total Hous-PCBs			1.3891	1.000	0.00	0.000	NO	0.000	0.00	0.000
234	5th Function Ods-PCBs			1.1489	1.000	0.00	0.000	NO	0.000	0.00	0.000
235	Total Mem-PCBs			0.8823	1.000	0.00	0.000	NO	0.000	0.00	0.000
237	Diagn-CD			0.8894	1.000	0.00	0.000	NO	0.000	0.00	0.000
238	Total PCBs			11.2331	12.000	0.00	0.000	NO	0.000	0.00	0.000

Item	Description	QTY	UNIT	PRICE	TOTAL	TAX	NET	DISC	NET	TAX	TOTAL
184	PCB-202	48.01	48.00	0.264e2	0.001e2	0.000	0.00	NO	0.24000	0.24480	
185	PCB-201	48.00	48.10	7.847e2	0.014e2	0.000	0.70	NO	0.24100	0.24103	
186	PCB-204	48.24	48.24	7.888e2	1.023e2	0.000	0.77	NO	0.23800	0.23841	
187	PCB-197	48.00	48.00	0.388e2	0.480e2	0.000	0.00	NO	0.34800	0.34704	
188	PCB-200	80.48	80.01	0.218e2	0.180e2	0.000	1.00	NO	0.20800	0.20875	
189	PCB-198	82.00	82.00	1.483e2	0.728e2	0.000	0.00	NO	0.22800	0.22888	
190	PCB-199	82.17	82.21	0.208e2	0.411e2	0.000	0.00	NO	0.21800	0.21804	
191	PCB-198-000	82.00	82.00	1.483e2	1.488e2	0.000	1.00	NO	0.01800	0.01804	



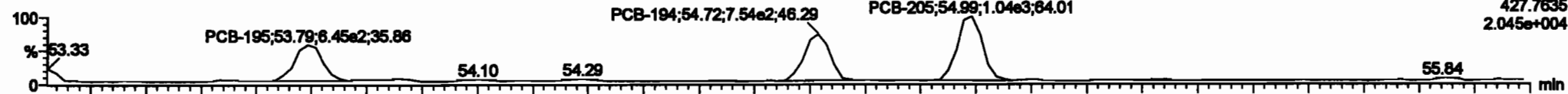
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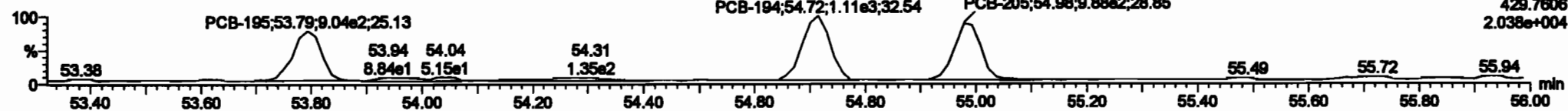
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**PCB-195**

200601K1\_1

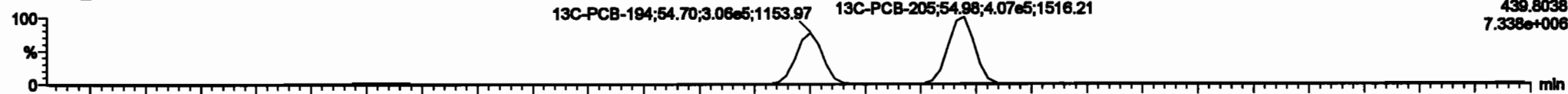


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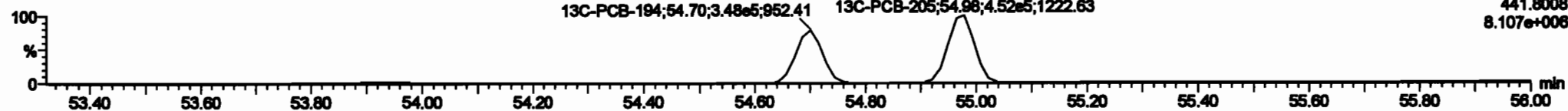


**13C-PCB-194**

200601K1\_1

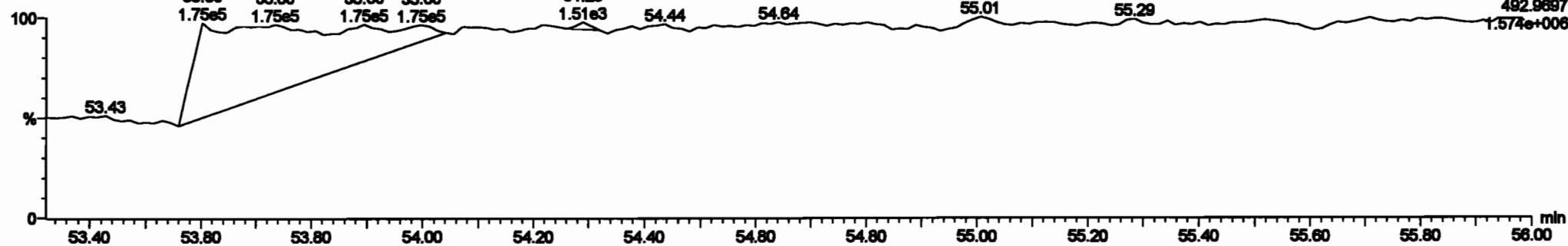


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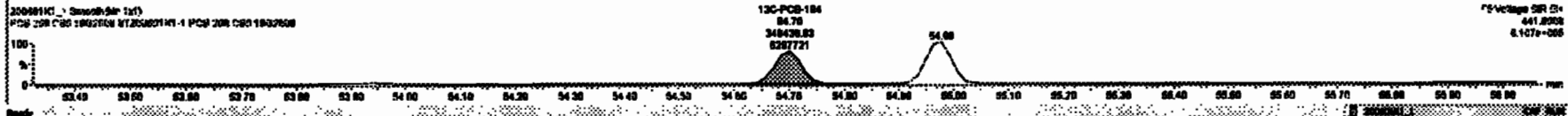
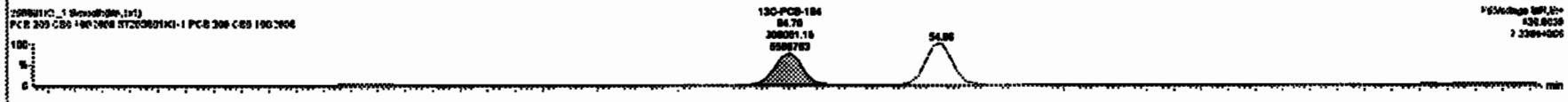
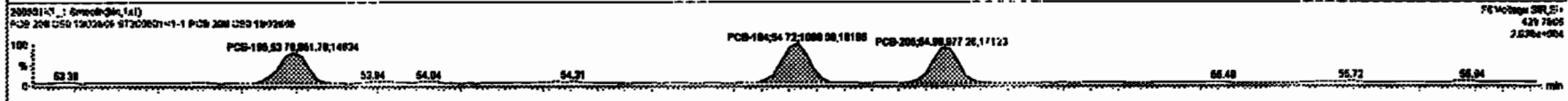
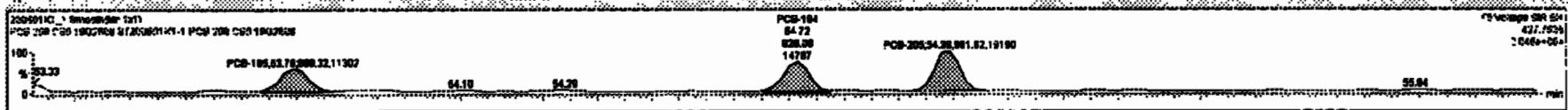
**PFK5a**

200601K1\_1



Sample	Matrix	PCB	Concentration	Units	Method	LOD	LOQ	Reporting	Notes
227	2nd Function PA-PCBs		0.0020	1.000	0.00	0.000	NO	3.000	0.101
228	1st Function PCBs		1.0776	1.000	0.00	0.000	NO	0.017	0.207
229	2nd Function PA-PCBs		1.0107	1.000	0.00	0.000	NO	0.000	0.210
230	4th Function PA-PCBs		1.0776	1.000	0.00	0.000	NO	1.140	0.0030
231	2nd Function HCB-PCBs		0.0000	1.000	0.00	0.000	NO	3.400	0.100
232	4th Function HCB-PCBs		1.0010	1.000	0.00	0.000	NO	0.401	0.100
233	Total HCB-PCBs		1.0010	1.000	0.00	0.000	NO	0.000	0.200
234	4th Function OCB-PCBs		1.0000	1.000	0.00	0.000	NO	2.100	0.0114
235	Total OCB-PCBs		1.0000	1.000	0.00	0.000	NO	0.000	0.000
236	Total HCB-PCBs		0.0020	1.000	0.00	0.000	NO	0.101	0.0030
237	OCB-CB		0.0004	1.000	0.00	0.000	NO	0.200	0.00030
238	Total PCBs								

Sample	PCB	Concentration	Units	Method	LOD	LOQ	Reporting	Notes
100	PCB-105	63.80	63.70	0.00000	0.01700	0.000	0.01	NO
100	PCB-104	64.72	64.72	0.20100	1.00000	0.000	0.70	NO
104	PCB-205	64.80	64.80	0.01000	0.77000	0.000	1.01	NO





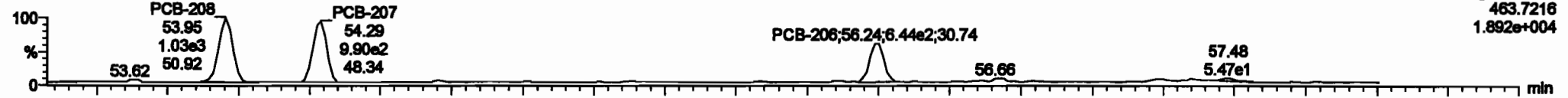
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

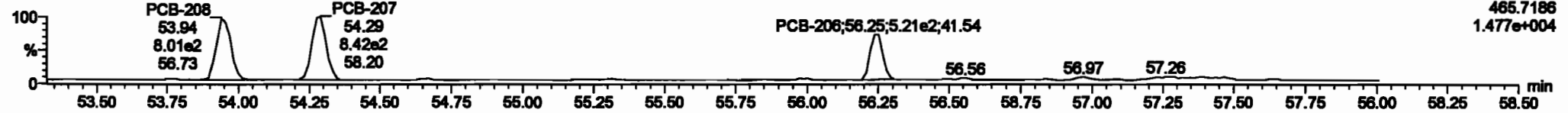
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**PCB-208**

200601K1\_1

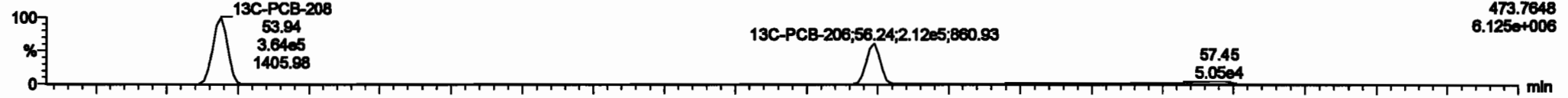


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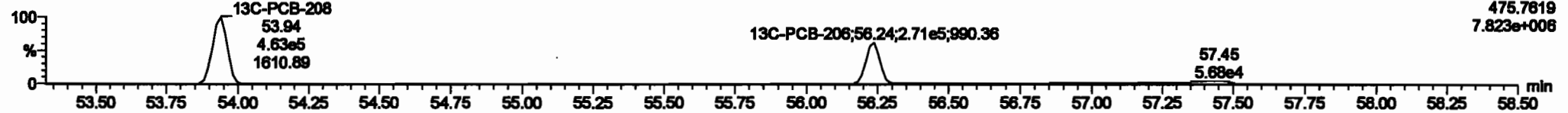


**13C-PCB-208**

200601K1\_1

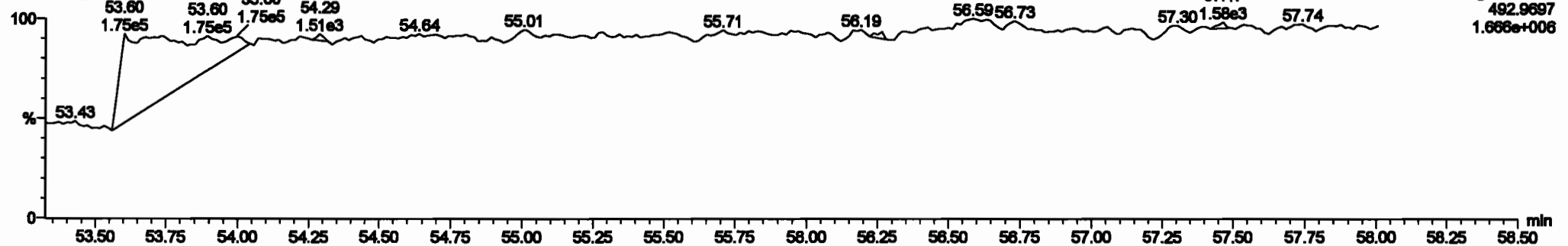


200601K1\_1



**PFK5**

200601K1\_1



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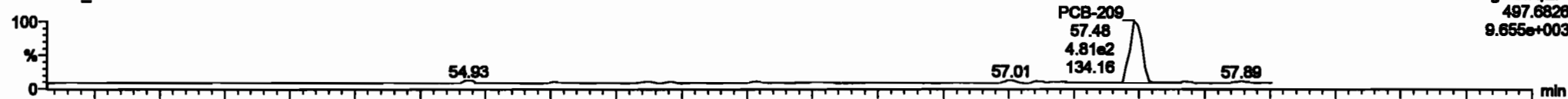
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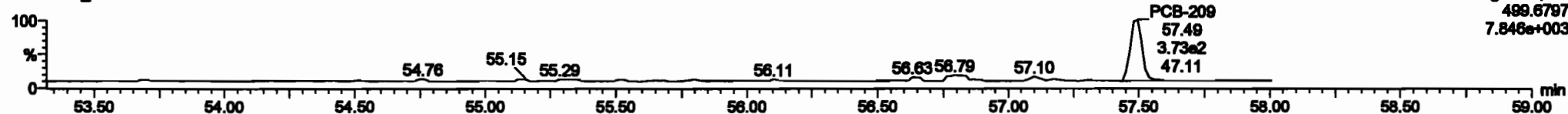
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**PCB-209**

200601K1\_1

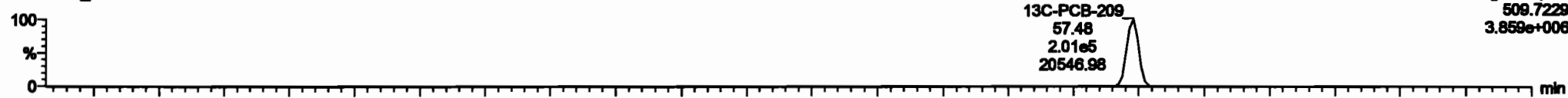


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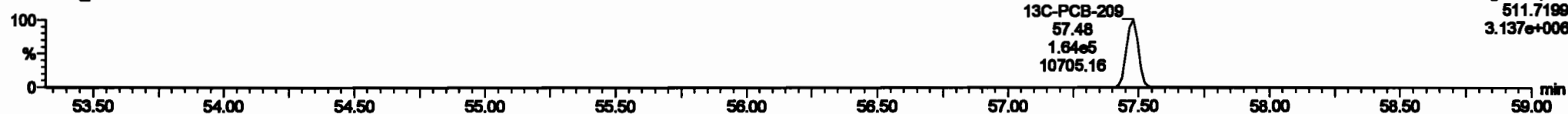


**13C-PCB-209**

200601K1\_1

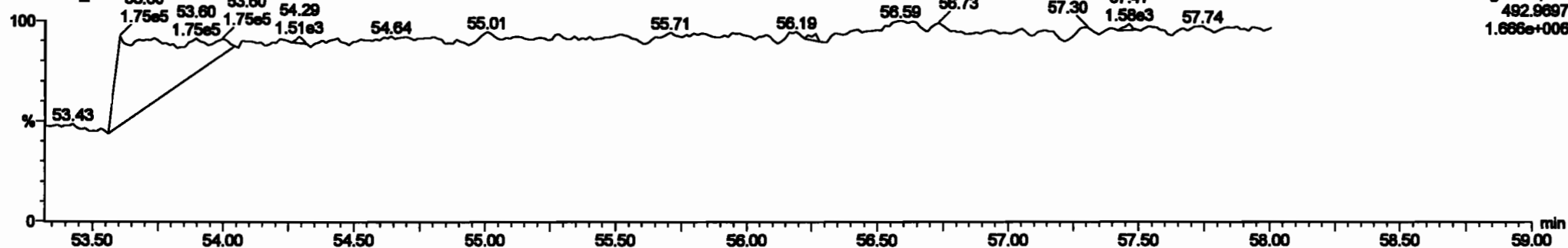


200601K1\_1



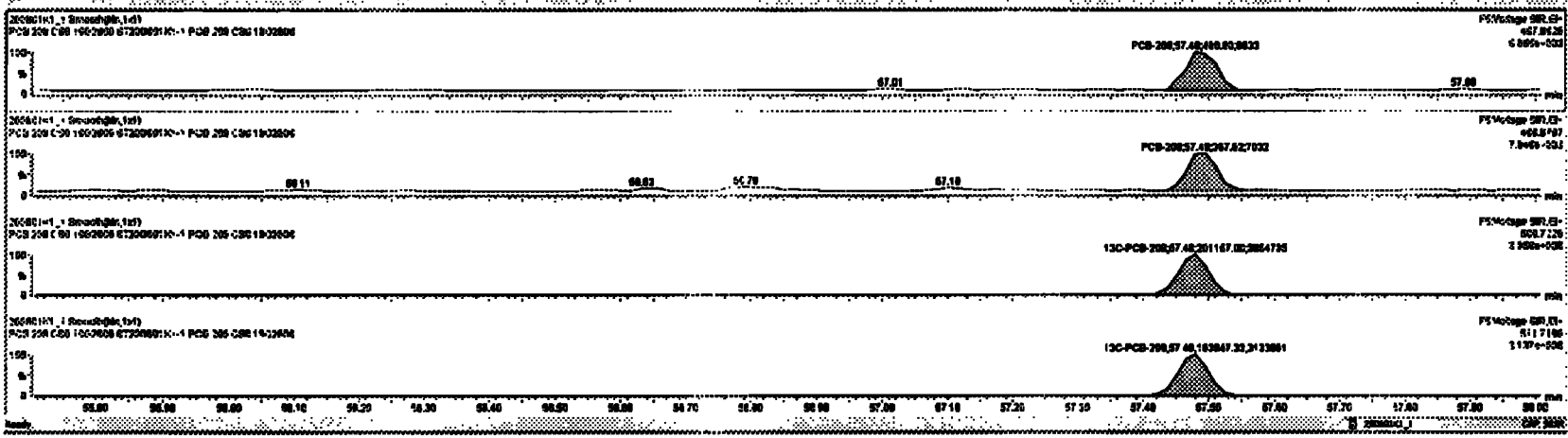
**PFK5b**

200601K1\_1



Item	Material	Quantity	Unit Price	Total Price	Material	Quantity	Unit Price	Total Price	Material	Quantity	Unit Price	Total Price
227	2nd Purvision 1st-PCBs		0.0000	1.0000	0.00	0.0000	0.0000	0.0000	NO	2.0000	0.501	1.0020
228	Total 1st-PCBs		1.0000	1.0000	0.00	0.0000	0.0000	0.0000	NO	0.0017	0.207	0.3517
229	2nd Purvision 2nd-PCBs		1.0000	1.0000	0.00	0.0000	0.0000	0.0000	NO	0.0000	0.210	0.2100
230	4th Purvision 2nd-PCBs		1.0000	1.0000	0.00	0.0000	0.0000	0.0000	NO	1.140	0.2000	1.1400
231	2nd Purvision 3rd-PCBs		0.0000	1.0000	0.00	0.0000	0.0000	0.0000	NO	2.0000	0.1000	0.2000
232	4th Purvision 3rd-PCBs		1.0000	1.0000	0.00	0.0000	0.0000	0.0000	NO	0.491	0.100	0.491
233	Total 3rd-PCBs		1.0000	1.0000	0.00	0.0000	0.0000	0.0000	NO	0.0000	0.200	0.2000
234	4th Purvision 4th-PCBs		1.0000	1.0000	0.00	0.0000	0.0000	0.0000	NO	2.100	0.0714	0.1428
235	2nd Purvision 4th-PCBs		1.4000	1.0000	0.00	0.0000	0.0000	0.0000	NO	0.7910	0.0007	0.7910
236	Total 4th-PCBs		0.0000	1.0000	0.00	0.0000	0.0000	0.0000	NO	0.7910	0.0007	0.7910
237	Total PCBs		0.0000	1.0000	0.00	0.0000	0.0000	0.0000	NO	1.0000	0.0000	1.0000

Material	Quantity	Unit Price	Total Price
PCB-200	07.40	07.40	4.8040
PCB-200	07.40	07.40	3.0760
PCB-200	1.70	1.70	0.2890
PCB-200	0.20	0.20	0.2000



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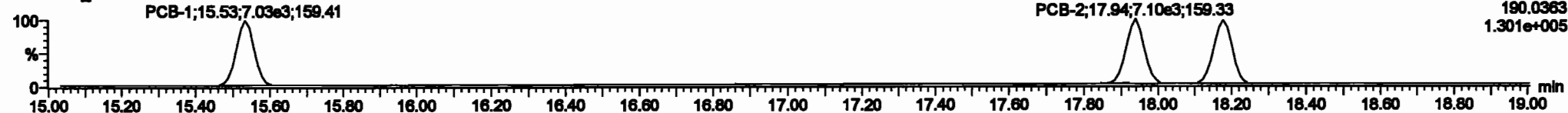
**PCB-1**

200601K1\_2



F1:Voltage SIR,EI+  
188.0393  
3.917e+005

200601K1\_2



F1:Voltage SIR,EI+  
190.0363  
1.301e+005

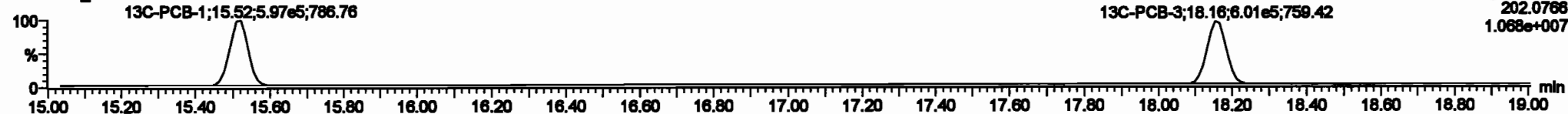
**13C-PCB-1**

200601K1\_2



F1:Voltage SIR,EI+  
200.0795  
3.329e+007

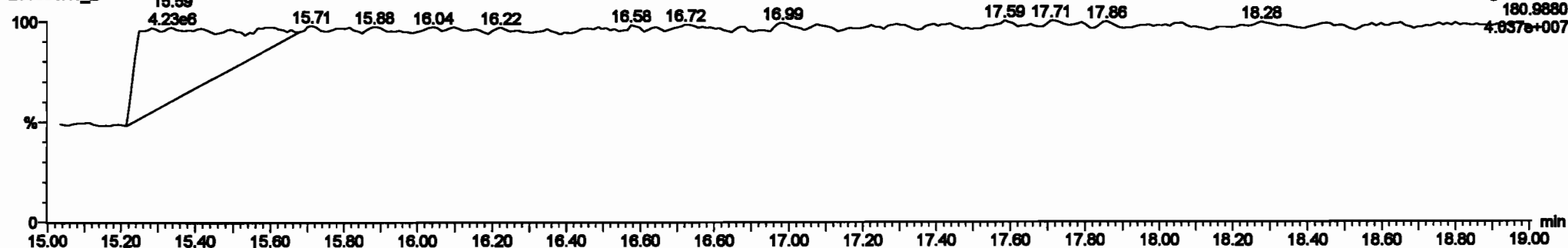
200601K1\_2



F1:Voltage SIR,EI+  
202.0766  
1.068e+007

**PFK1**

200601K1\_2



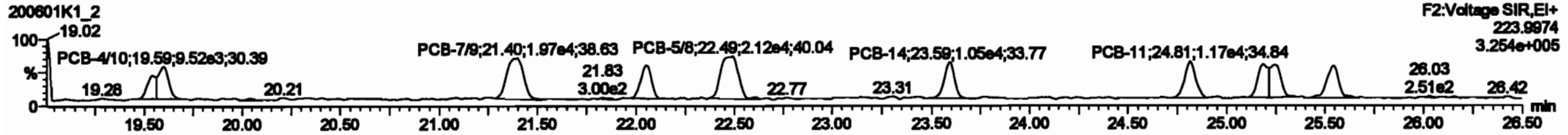
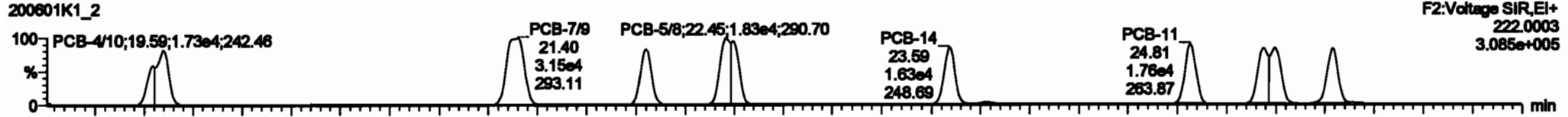
F1:Voltage SIR,EI+  
180.9880  
4.637e+007

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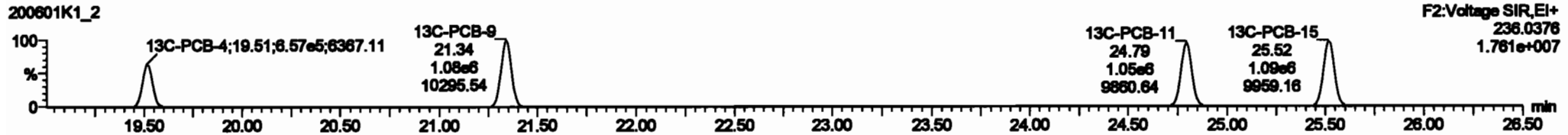
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

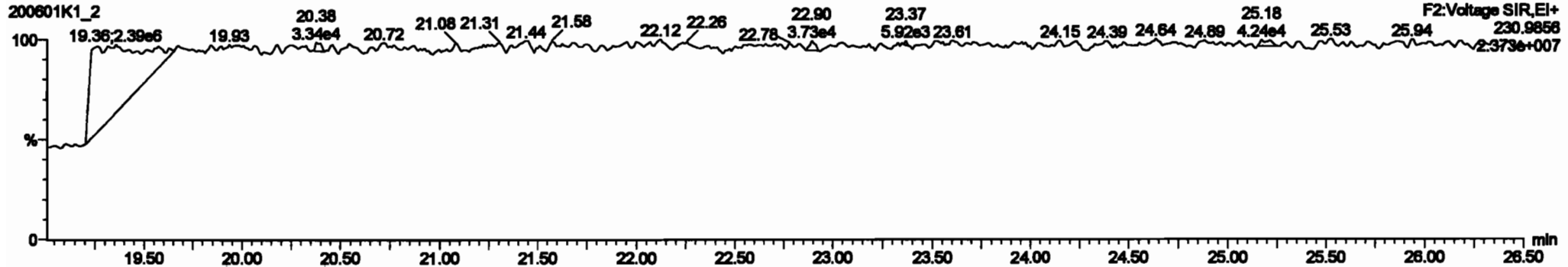
PCB-4/10



13C-PCB-4

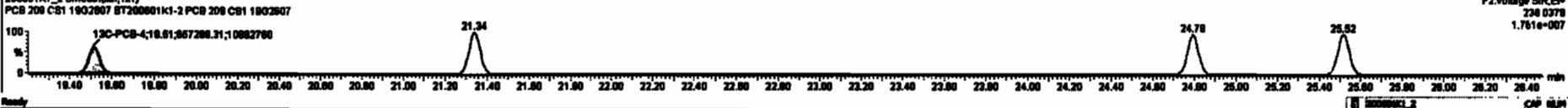
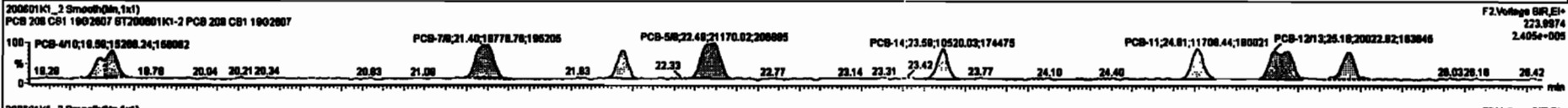
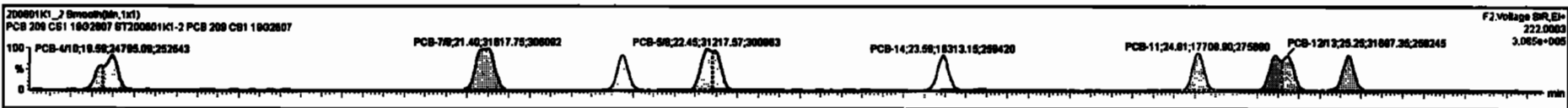


PFK2a



#	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	0.000	0.000	NO	104.2	104	0.0072					
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 Di-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	7.832		0.0652	7.832				
226	2nd Function Tri-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	15.71		0.201	15.71				
227	2nd Function Tetra-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	40.38		0.382	40.38				
228	Total Tetra-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	38.87		0.570	38.87				
229	2nd Function Penta-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	4.785		0.0713	4.785				
230	4th Function Penta-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	13.32		0.120	13.32				
231	2nd Function Hexa-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	26.45		0.302	26.45				
232	4th Function Hexa-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	23.18		0.230	23.18				
233	Total Hexa-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	0.216		0.0785	0.216				
234	4th Function Octa-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO								

#	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	1.8718	1.8718			
2	6 PCB-78	21.40	21.40	3.162e4	1.878e4	1.580	1.80	NO	1.8888	1.8888			
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	1.48	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	26.58	26.58	1.829e4	1.091e4	1.580	1.58	NO	0.86400	0.86281			



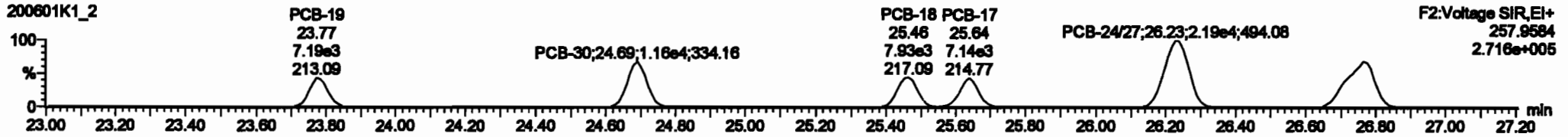


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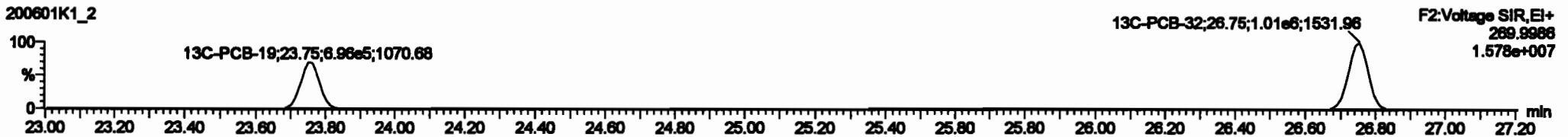
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Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

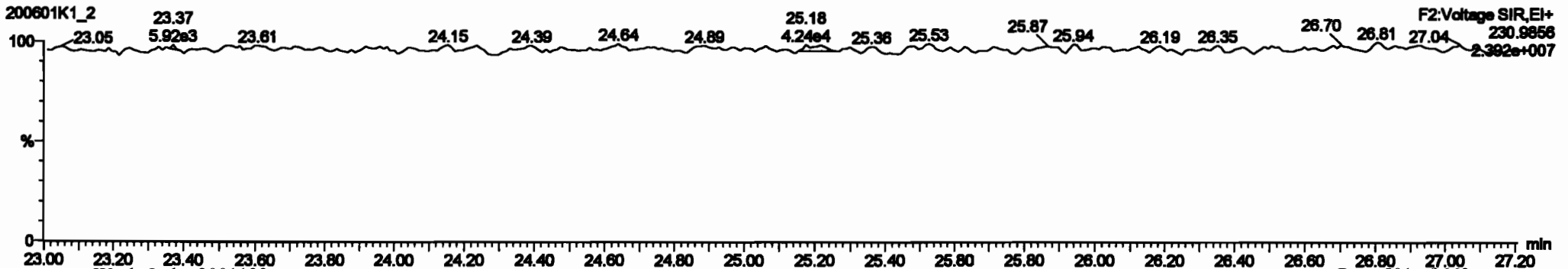
**PCB-19**



**13C-PCB-19**

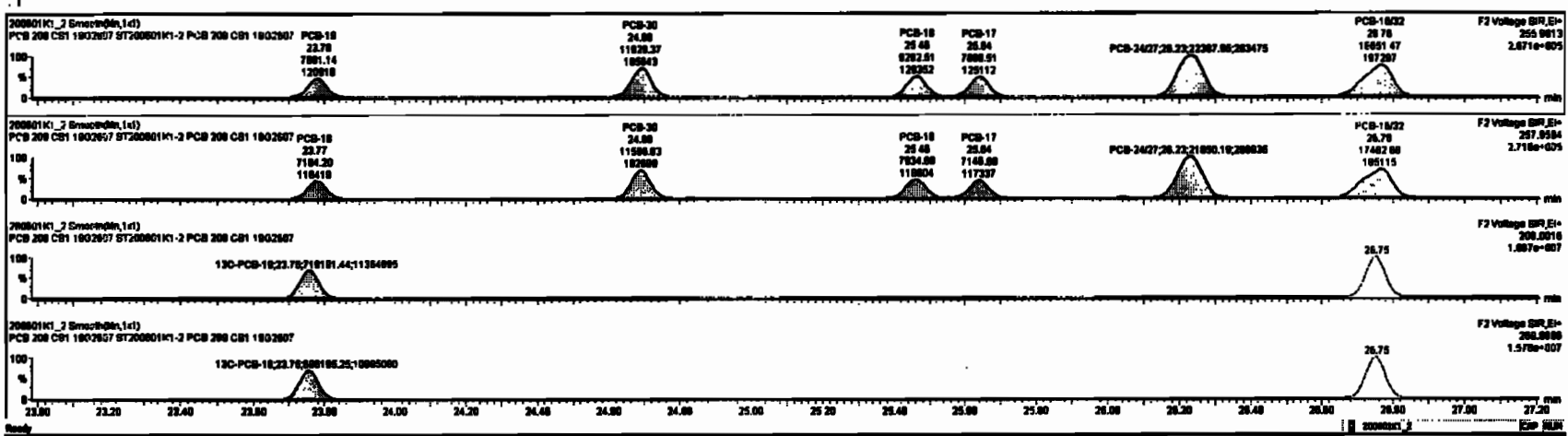


**PFK2b**



#	Name	Step	RA	RY	RFY	Offset	Height	SE	PeakA	RTY	RTY Pk	Comp	Width	Area	Height
223	13C-PCB-178	7.50us	0.48	ND	1.0000	1.000	46.87	0.023	0.023	ND	104.2	104	0.0072	0.0072	104
224	Total Noise-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	2.054		0.0200	2.054	
225	Total DL-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	11.30		0.027	11.30	
226	Total DL-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	10.71		0.021	10.71	
227	2nd Purition 1A-PCBs				0.0000	1.000	0.00	0.000	0.000	ND	40.20		0.382	40.20	
228	Total Noise-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	30.67		0.070	30.67	
229	2nd Purition Para-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	4.788		0.0713	4.788	
230	4th Purition Para-PCBs				0.0000	1.000	0.00	0.000	0.000	ND	13.33		0.120	13.33	
231	2nd Purition Homo-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	20.48		0.263	20.48	
232	4th Purition Homo-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	25.16		0.250	25.16	
233	Total Noise-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	8.215		0.0700	8.215	
234	4th Purition Octa-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	0.0000		0.0000	0.0000	

#	Name	PeakA	RTY	RTY Pk	Offset	Height	Area	Width	Comp
1	13-PCB-18	23.79	23.79	7.00us	7.10us	1.000	1.00	ND	0.0000
2	13-PCB-20	24.80	24.80	1.10us	1.10us	1.000	1.00	ND	0.0000
3	14-PCB-18	26.48	26.48	0.20us	7.00us	1.000	1.00	ND	0.0000
4	15-PCB-17	26.84	26.84	7.00us	7.50us	1.000	1.00	ND	0.0000
5	16-PCB-2407	28.20	28.20	2.50us	2.50us	1.000	1.00	ND	1.0710
6	17-PCB-1802	28.77	28.78	1.00us	1.70us	1.000	1.07	ND	1.0000



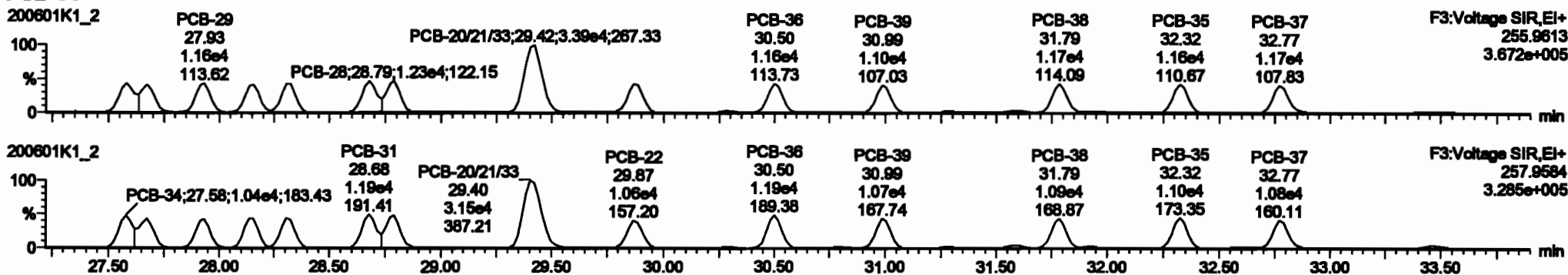
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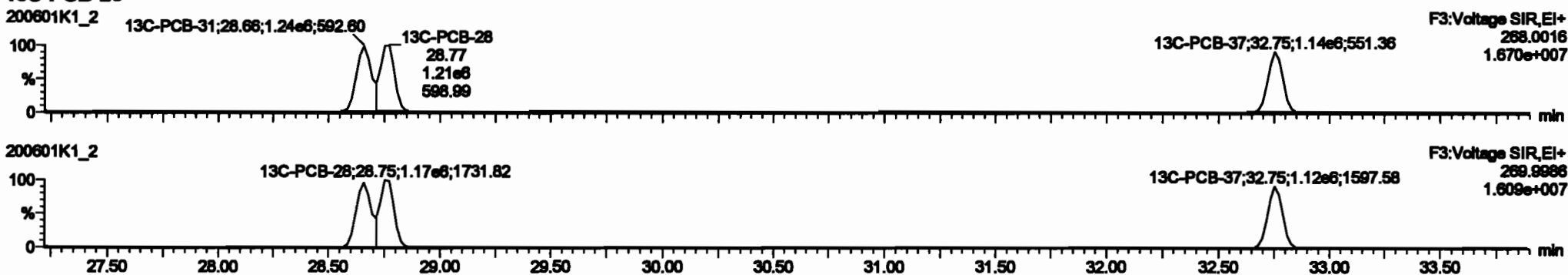
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Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

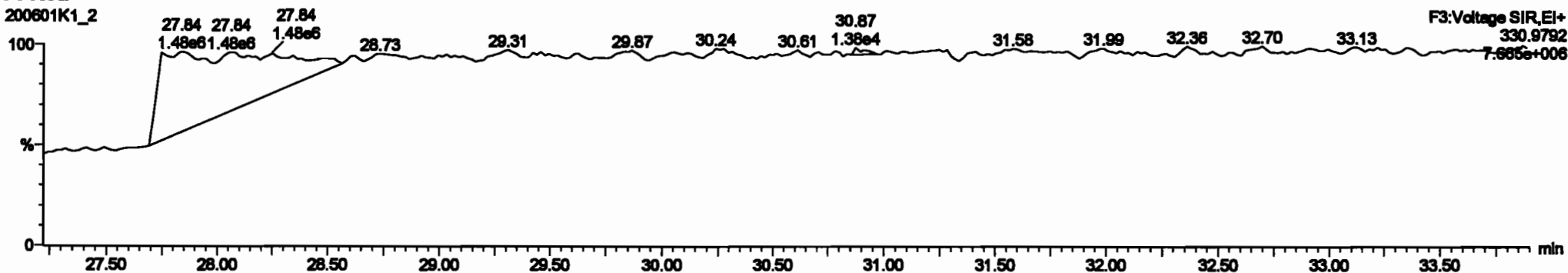
**PCB-34**

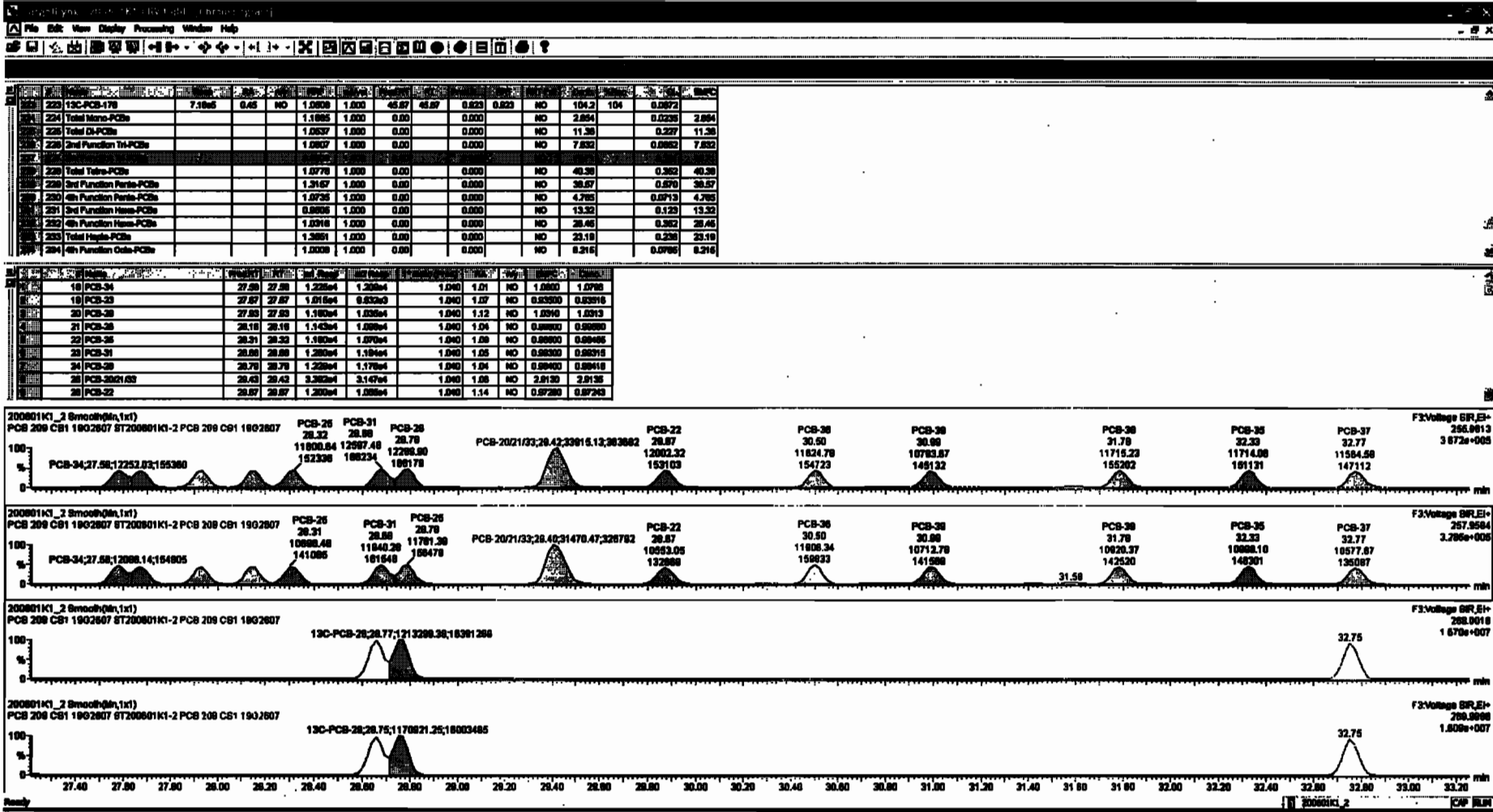


**13C-PCB-28**



**PFK3d**



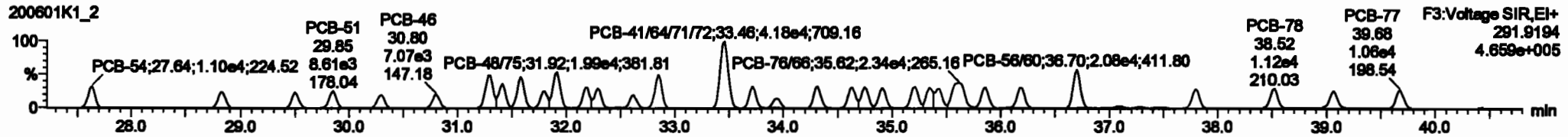
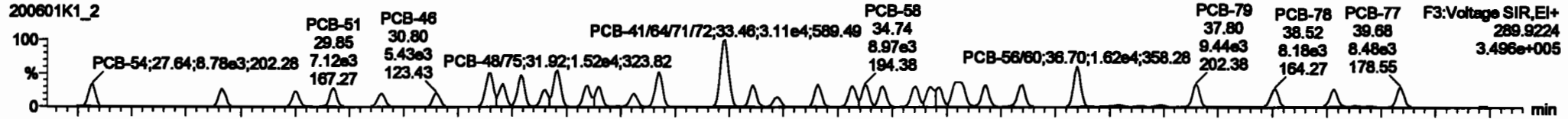


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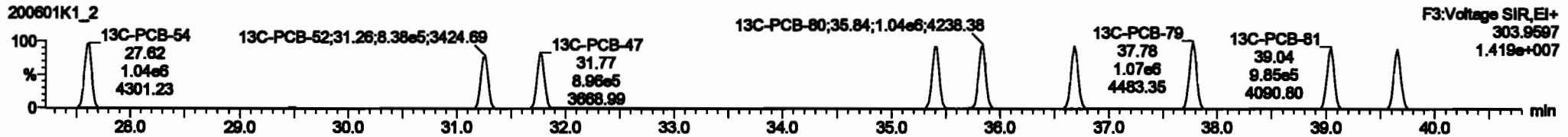
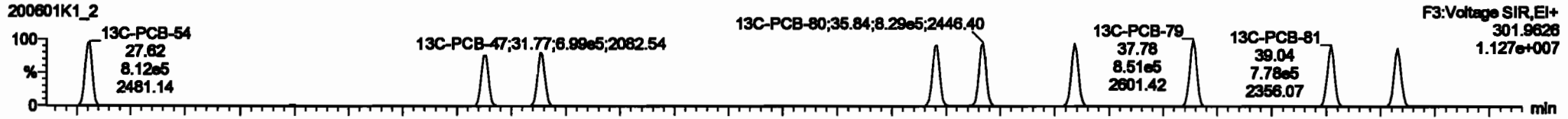
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Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

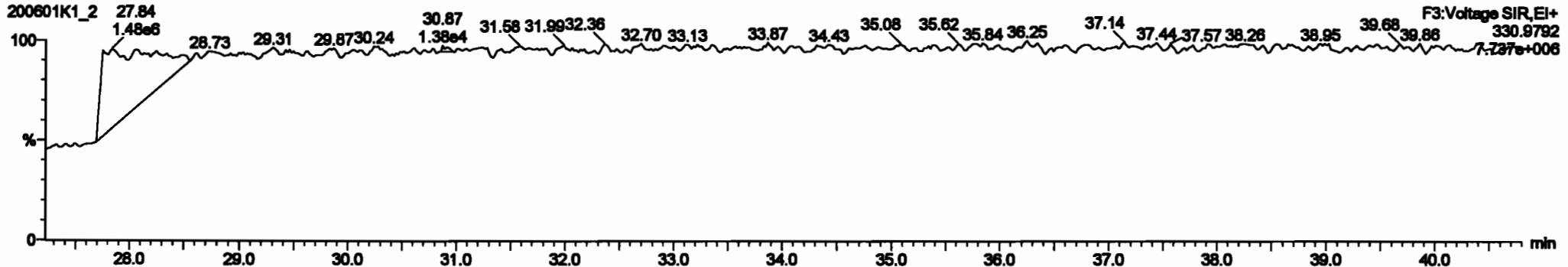
**PCB-54**



**13C-PCB-54**



**PFK3a**



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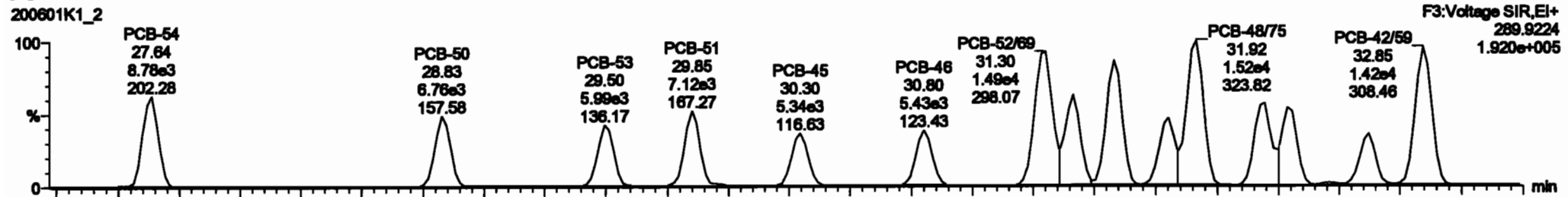
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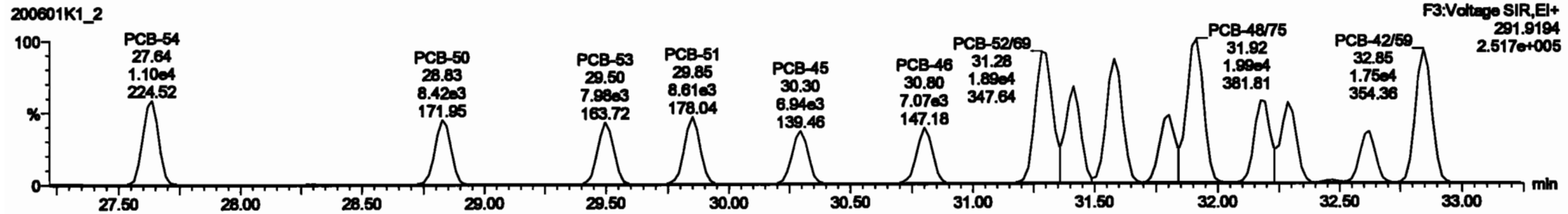
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PCB-50

200601K1\_2



200601K1\_2

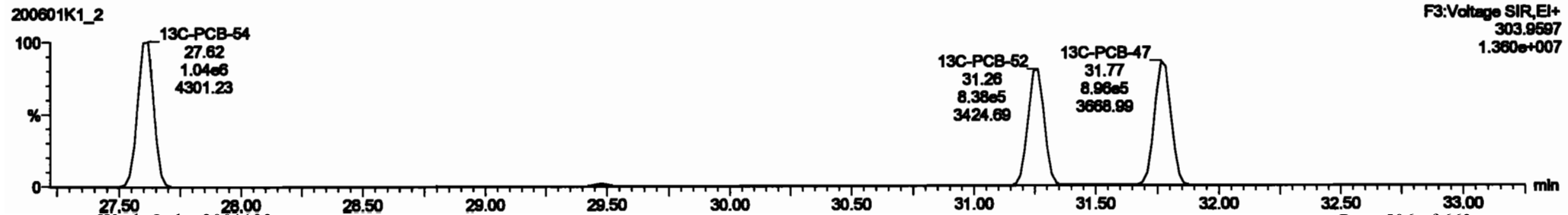


13C-PCB-52

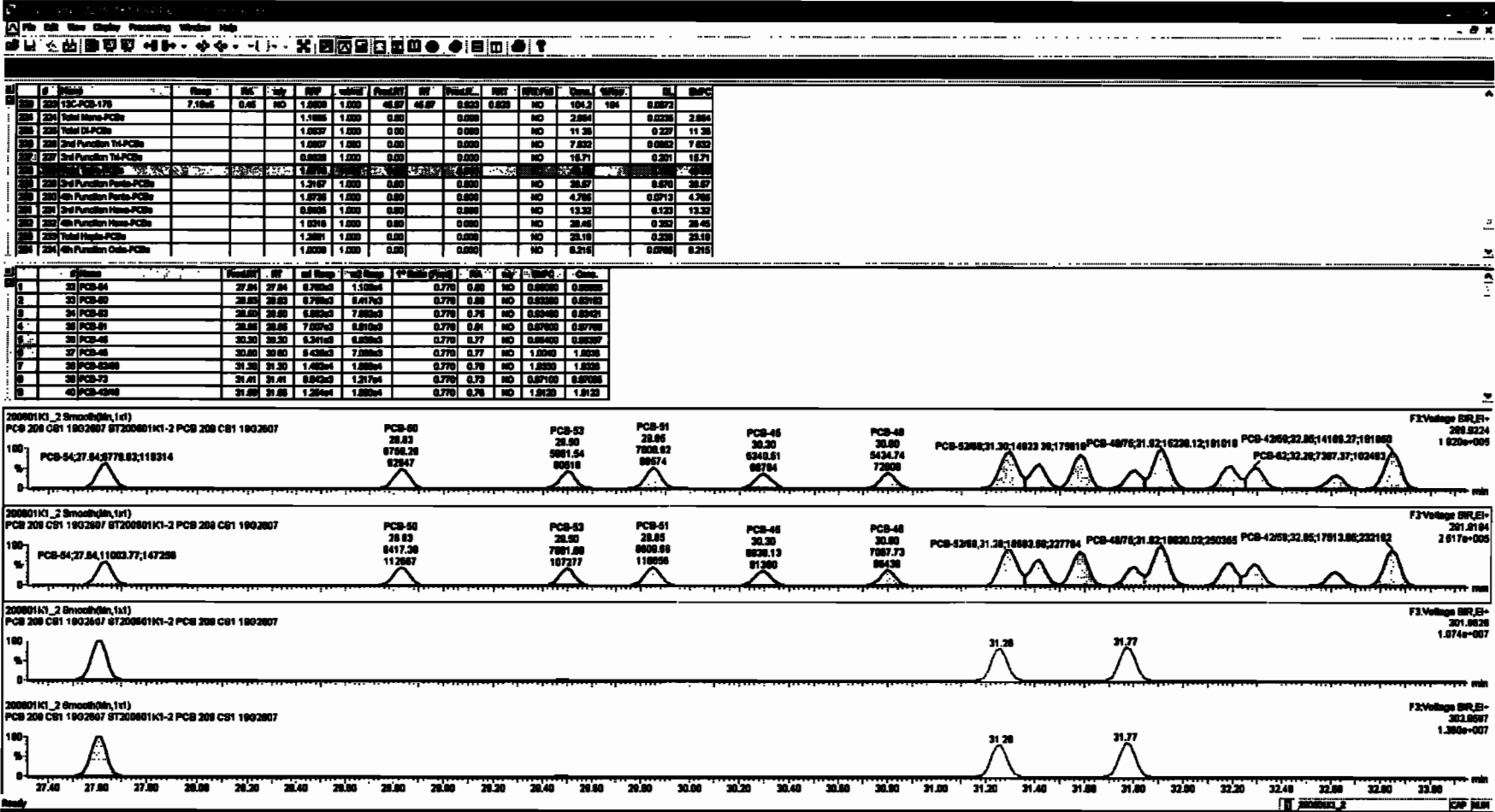
200601K1\_2



200601K1\_2







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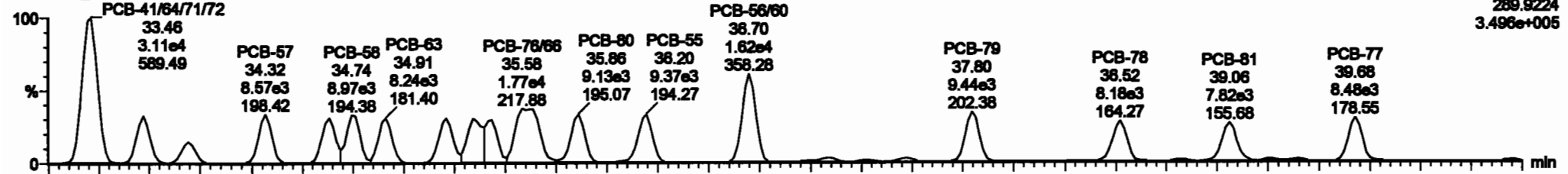
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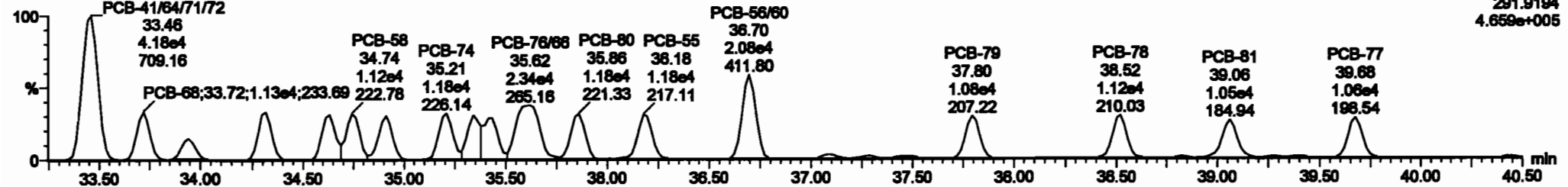
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PCB-68

200601K1\_2

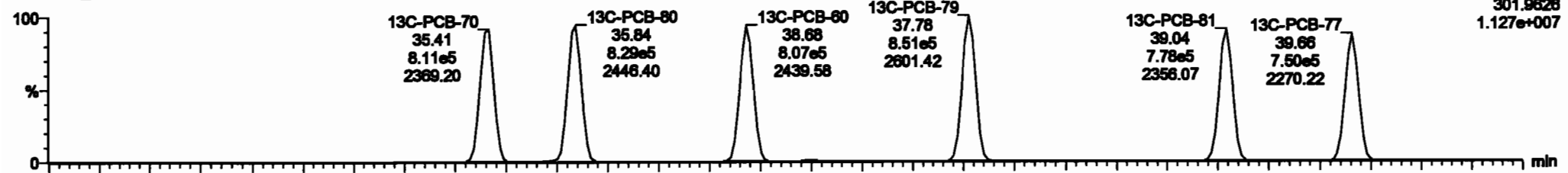


200601K1\_2

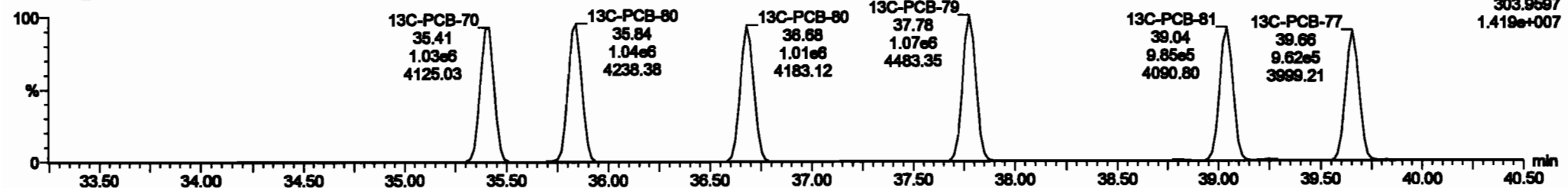


13C-PCB-60

200601K1\_2

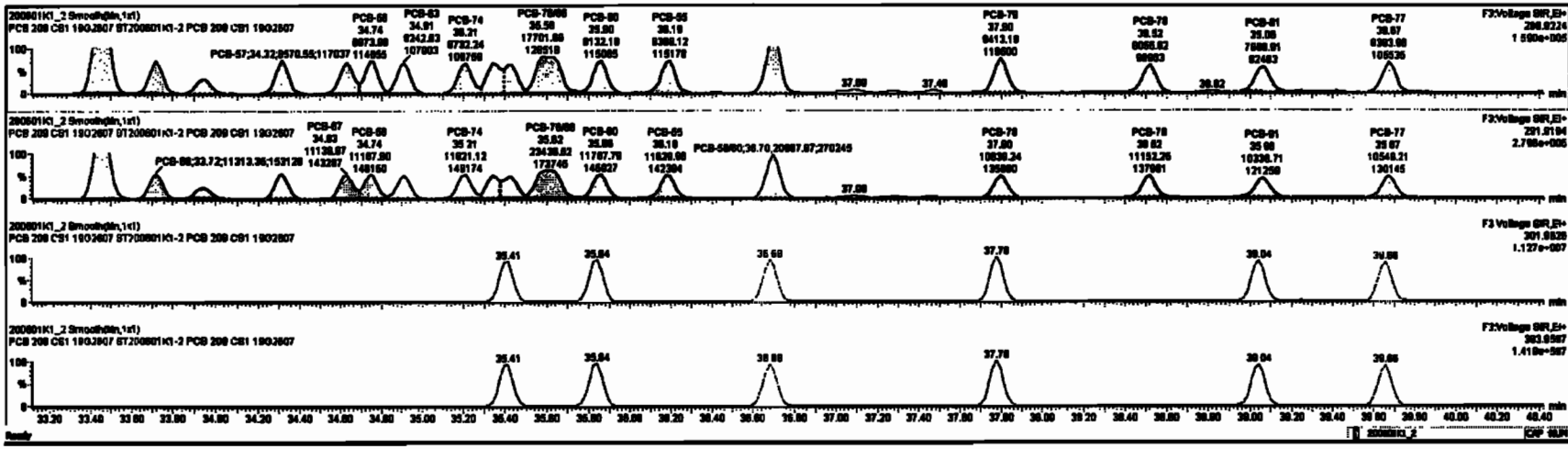


200601K1\_2



#	Material	Step	RA	Qty	RFV	Value	ProdID	ET	ProdID	RFV	RFV Full	Comp	Qty	SL	RFPC
220	13C-PCB-170	7.18nd	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 EL-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	11.38		0.2207	11.38
223	2nd Function TM-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	7.800		0.0000	7.800
224	2nd Function TM-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	NO	15.71		0.201	15.71
225	2nd Function Para-PCBs				1.2167	1.000	0.00	0.00	0.000	0.000	NO	38.67		0.870	38.67
226	4th Function Para-PCBs				1.0726	1.000	0.00	0.00	0.000	0.000	NO	4.788		0.0713	4.788
227	2nd Function Para-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	NO	13.30		0.120	13.30
228	Total Mono-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	38.48		0.380	38.48
229	Total Mono-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	23.18		0.230	23.18
230	4th Function Para-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	8.918		0.0700	8.918

#	Material	Step	RA	Qty	RFV	Value	ProdID	ET	ProdID	RFV	RFV Full	Comp	Qty	SL	RFPC
30	PCB-04		27.84	27.84	0.7800	1.000e4	0.770	0.80	NO	0.00000	0.00000				
31	PCB-05		28.80	28.80	0.7800	8.497e3	0.770	0.80	NO	0.00000	0.00000				
32	PCB-03		28.90	28.90	0.8000	7.380e3	0.770	0.76	NO	0.00000	0.00000				
33	PCB-01		28.88	28.88	0.8000	8.910e3	0.770	0.81	NO	0.00000	0.00000				
34	PCB-06		30.30	30.30	0.3400	8.900e3	0.770	0.77	NO	0.00000	0.00000				
35	PCB-08		30.00	30.00	0.4000	7.000e3	0.770	0.77	NO	1.00000	1.00000				
36	PCB-02		31.20	31.20	1.4000	1.000e4	0.770	0.78	NO	1.00000	1.00000				
37	PCB-07		31.01	31.01	0.8000	1.217e4	0.770	0.73	NO	0.00000	0.00000				

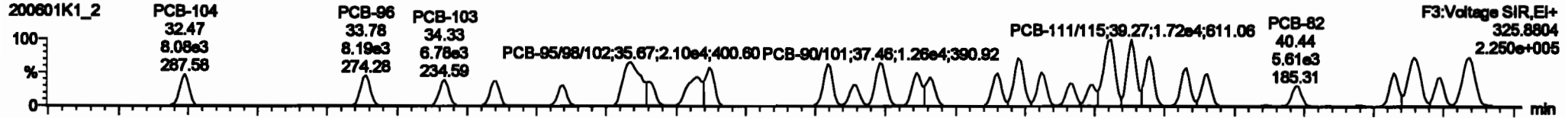


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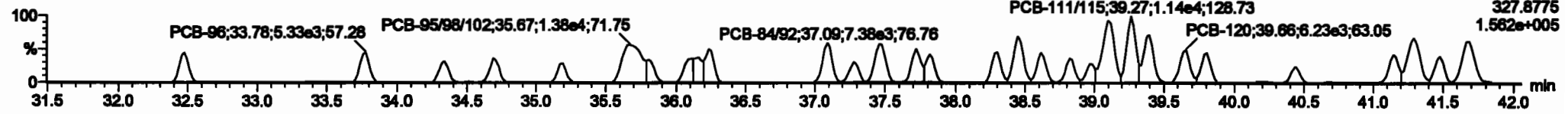
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Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

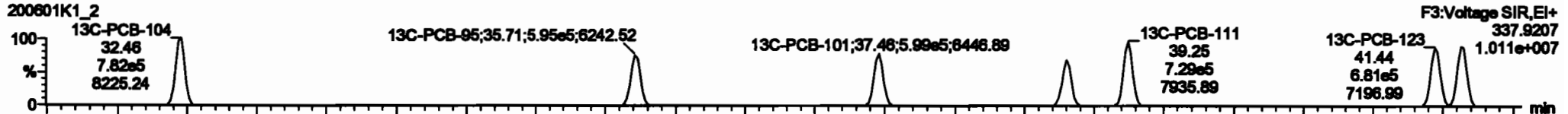
**PCB-104**



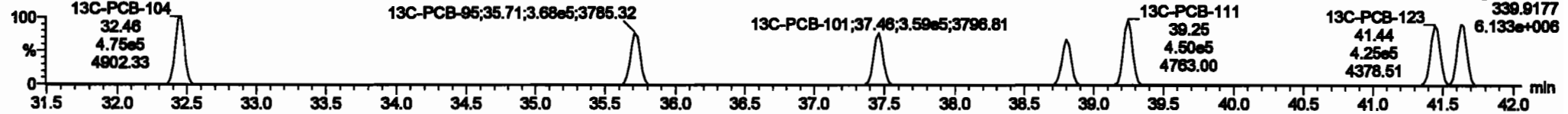
**200601K1\_2**



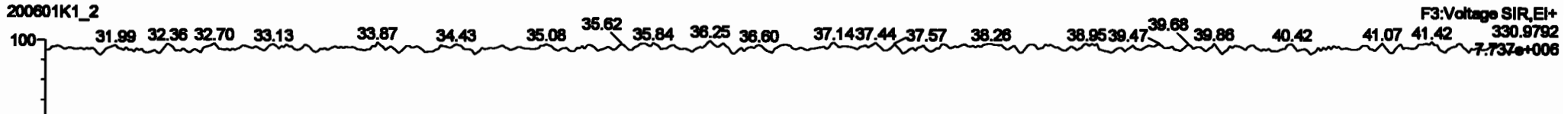
**13C-PCB-104**



**200601K1\_2**



**PFK3b**

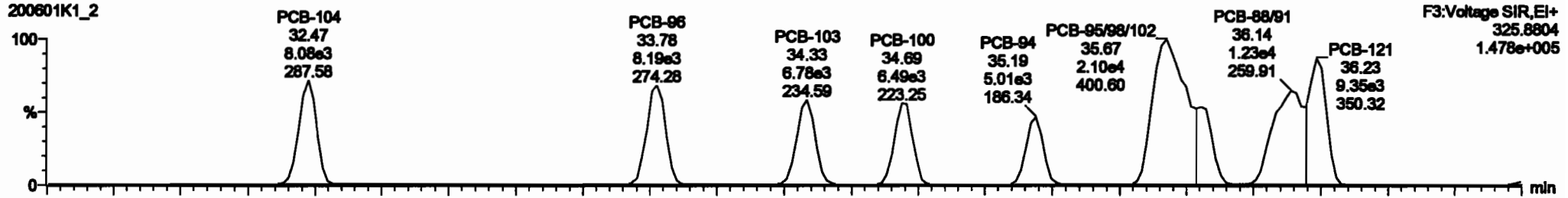


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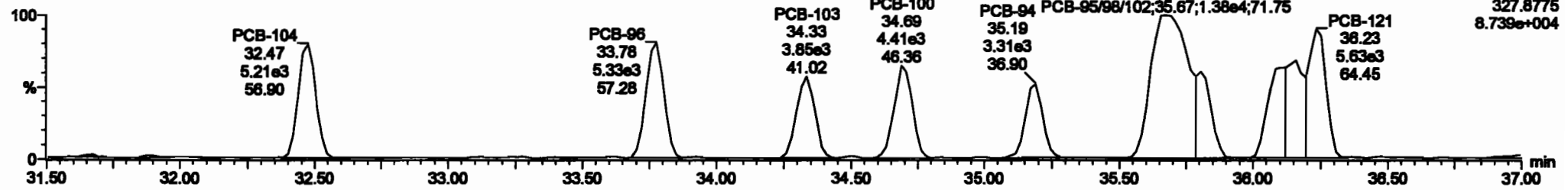
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Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

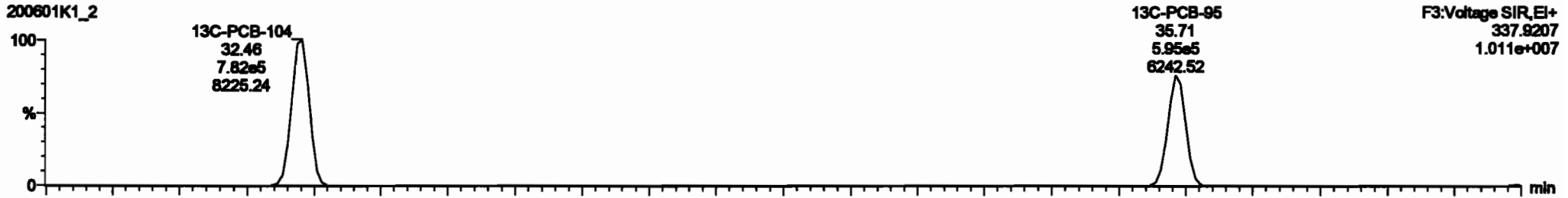
PCB-96



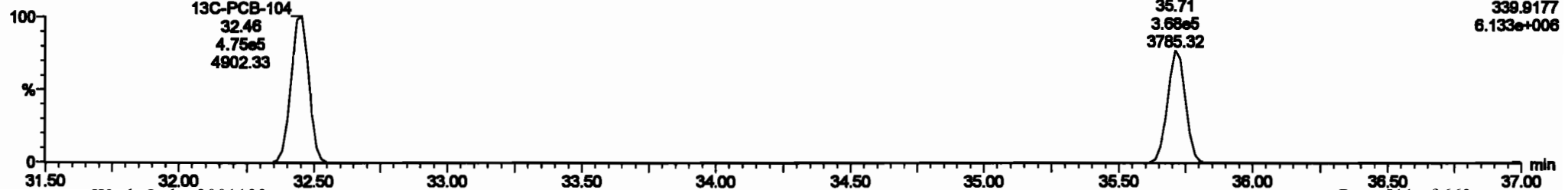
200601K1\_2



13C-PCB-95

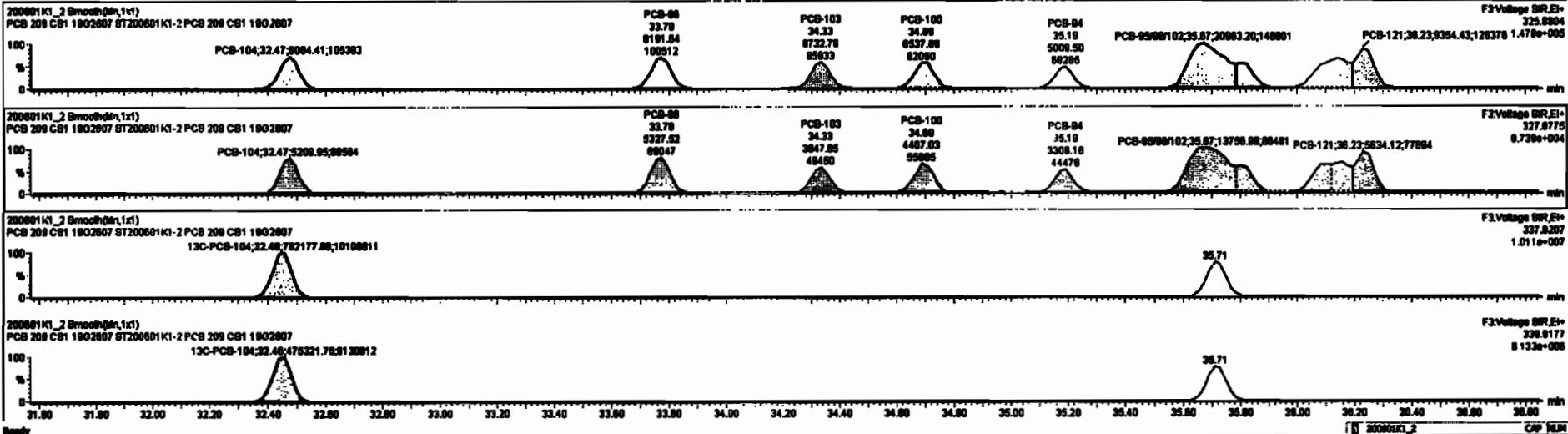


200601K1\_2



#	Name	Comp	HA	Qty	QSP	Unit	Prod RT	RT	PSpec	QRT	QRT Fail	Comp.	Units	DL	EMPC
223	13C-PCB-178	7.1lbs	0.45	NO	1.2000	1.000	46.87	46.87	0.000	0.000	NO	104.2	104	0.0072	
224	Total Mono-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		0.227	11.38
226	2nd Purified Tri-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	7.802		0.0000	7.802
227	3rd Purified Tri-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	NO	16.71		0.201	16.71
228	Total Tetra-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	40.38		0.302	40.38
229	2nd Purified Penta-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	30.07		0.0000	30.07
230	4th Purified Penta-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	4.705		0.0713	4.705
231	2nd Purified Hexa-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	NO	13.32		0.123	13.32
232	4th Purified Hexa-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	26.46		0.382	26.46
233	Total Hepta-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	23.19		0.238	23.19
234	2nd 4th Purified Octa-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	0.0000		0.0000	0.0000

#	Name	QSP	RT	net Resp	net Resp	1 <sup>st</sup> Peak (QSP)	2 <sup>nd</sup> Peak (QSP)	3 <sup>rd</sup> Peak (QSP)	4 <sup>th</sup> Peak (QSP)	5 <sup>th</sup> Peak (QSP)	6 <sup>th</sup> Peak (QSP)	7 <sup>th</sup> Peak (QSP)	8 <sup>th</sup> Peak (QSP)	9 <sup>th</sup> Peak (QSP)	10 <sup>th</sup> Peak (QSP)
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	1.54	NO	0.00200	0.00176					
66	PCB-103	34.33	34.33	0.720e3	3.000e3	1.000	1.75	NO	0.00000	0.00044					
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-85/88/102	35.87	35.87	2.000e4	1.370e4	1.000	1.82	NO	2.00000	2.00000					
70	PCB-80	36.78	36.81	0.000e3	3.300e3	1.000	1.88	NO	0.00000	0.00000					
71	PCB-88/81	38.14	38.14	1.200e4	0.000e3	1.000	1.82	NO	1.00000	1.00000					



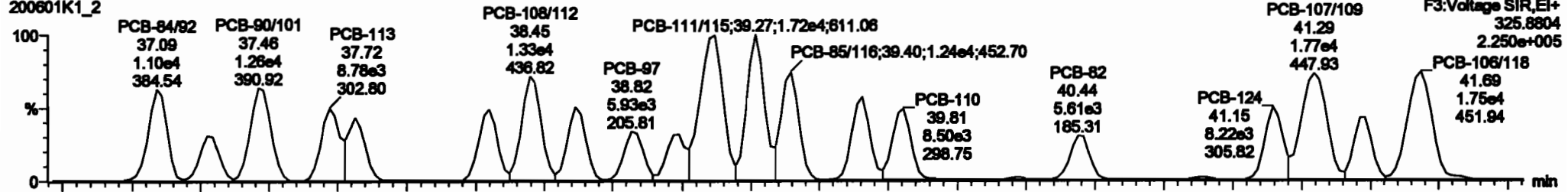
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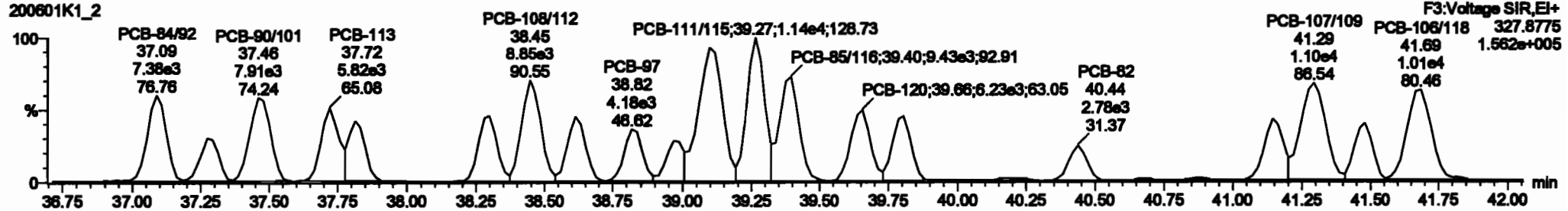
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**PCB-119**

200601K1\_2

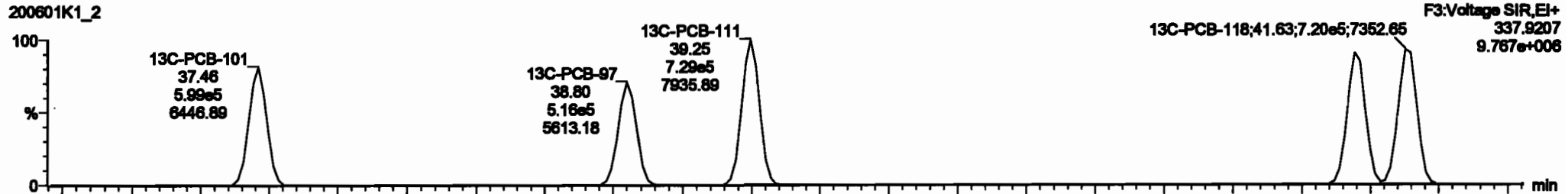


200601K1\_2

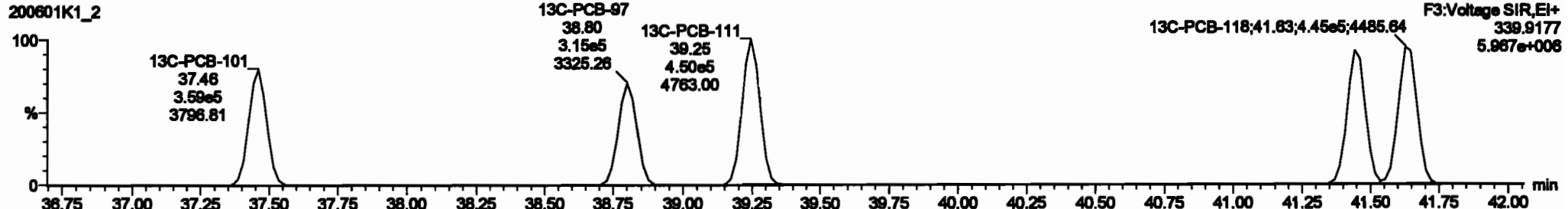


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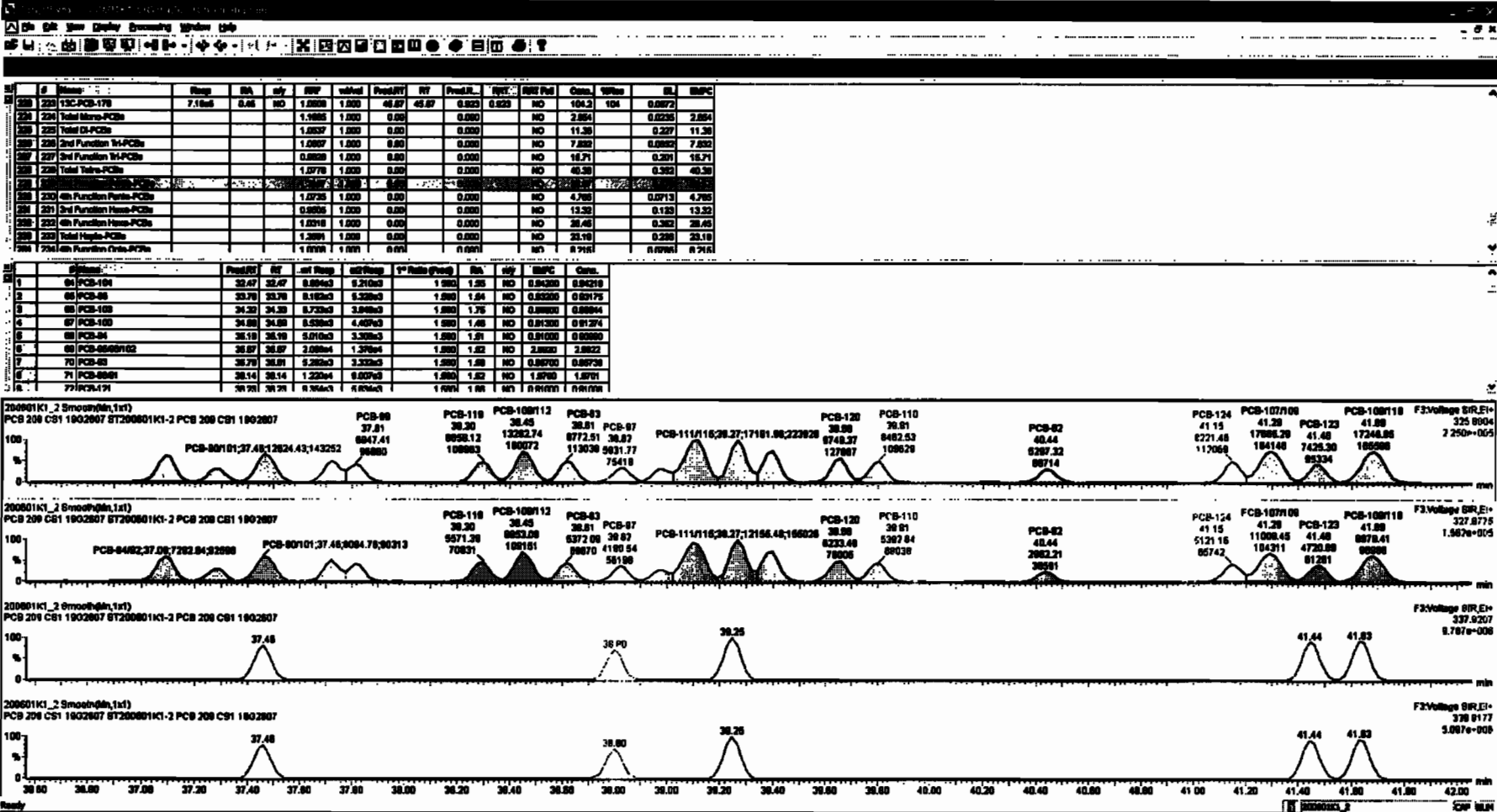
200601K1\_2



200601K1\_2





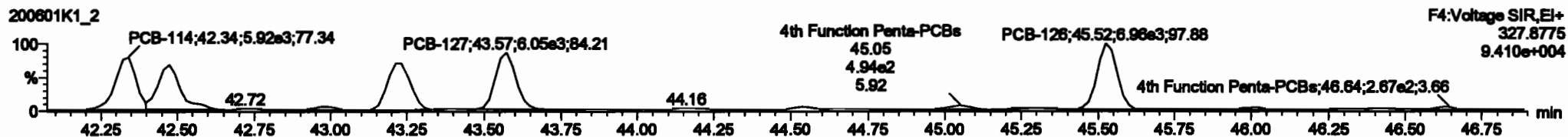
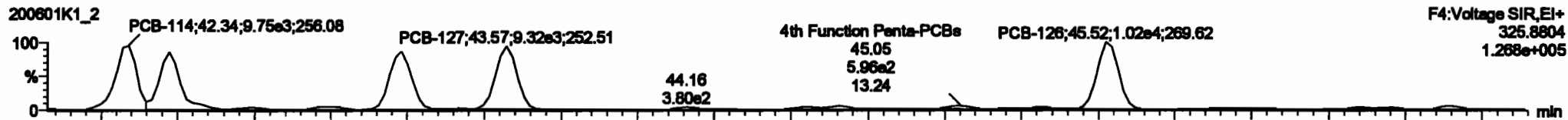


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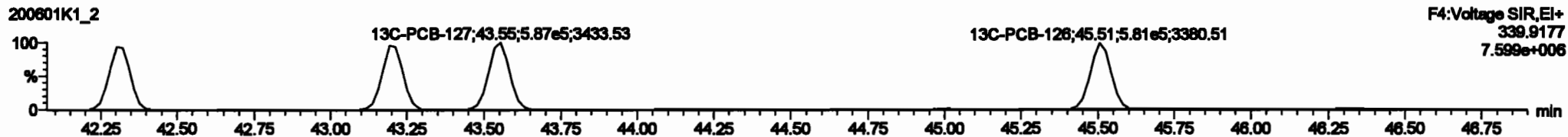
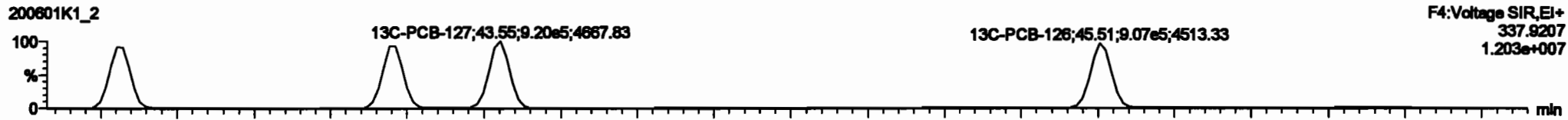
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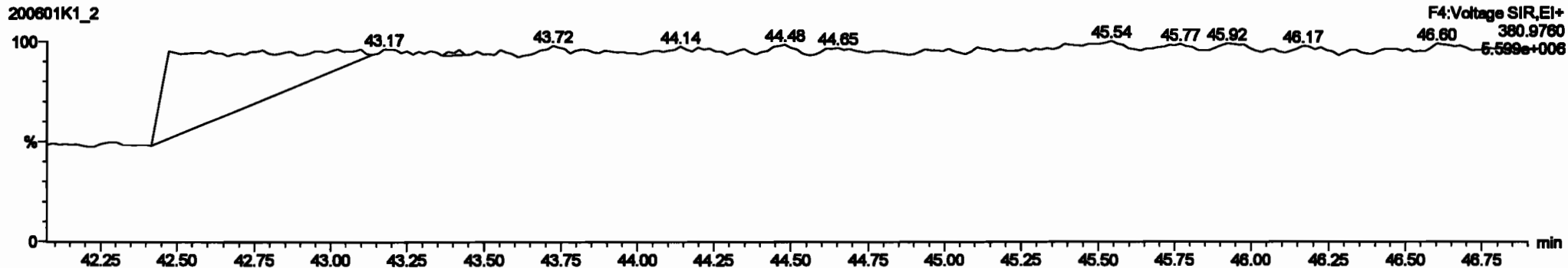
**PCB-114**



**13C-PCB-114**

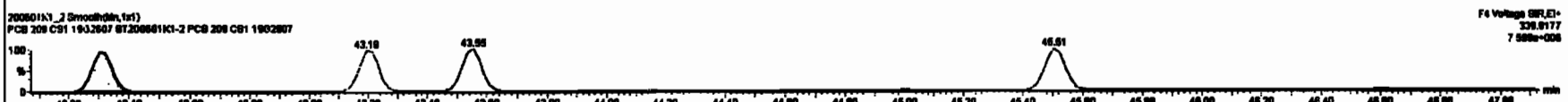
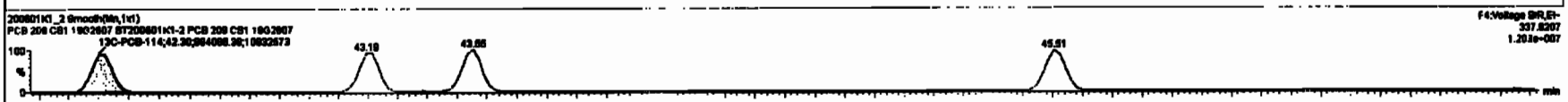
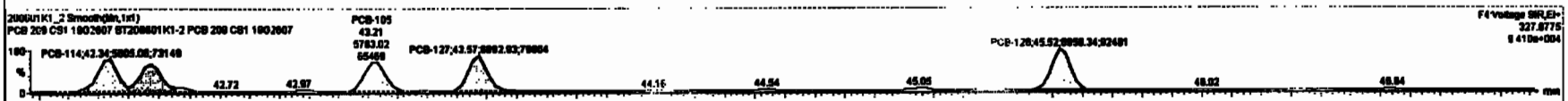
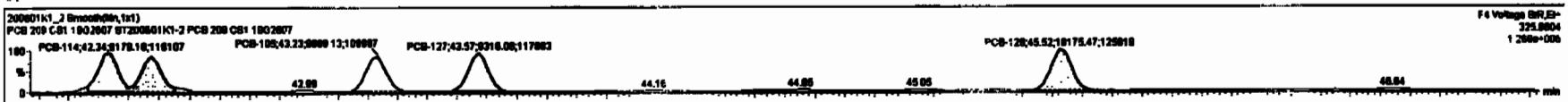


**PFK4a**



#	Name	Area	RA	Wt	FWT	Wdth	PeakRT	RT	PeakID	FWT	Wdth	Area	Wt%	GC	WPC
220	13C-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	0.00	0.000	0.000	0.000	NO	2.804		0.0206	2.804
226	Total Di-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	11.38		0.327	11.38
228	Total Tri-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	7.832		0.0002	7.832
229	Total Tetra-PCBs				0.0020	1.000	0.00	0.000	0.000	0.000	NO	18.71		0.301	18.71
230	Total Penta-PCBs				1.0770	1.000	0.00	0.000	0.000	0.000	NO	40.38		0.302	40.38
231	Total Hexa-PCBs				1.2167	1.000	0.00	0.000	0.000	0.000	NO	38.67		0.670	38.67
232	Total Hepta-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	0.000		0.000	0.000
233	Total Octa-PCBs				0.0000	1.000	0.00	0.000	0.000	0.000	NO	13.32		0.123	13.32
234	Total Non-PCBs				1.0016	1.000	0.00	0.000	0.000	0.000	NO	28.48		0.302	28.48
235	Total PCBs				1.3001	1.000	0.00	0.000	0.000	0.000	NO	23.10		0.320	23.10
236	Total PCBs (Area)				1.0000	1.000	0.00	0.000	0.000	0.000	NO	8.918		0.0000	8.918

#	Name	Area	Wt	FWT	Wdth	PeakRT	RT	PeakID	FWT	Wdth	Area	Wt%	GC	WPC
1	53 PCB-114	42.35	42.34	0.170e3	0.020e3	1.000	1.00	NO	0.00100	0.00002				
2	54 PCB-122	42.47	42.47	0.200e3	0.111e3	1.000	1.00	NO	0.00700	0.00001				
3	60 PCB-108	43.31	43.23	0.000e3	0.700e3	1.000	1.00	NO	0.00700	0.00011				
4	60 PCB-127	43.97	43.97	0.310e3	0.000e3	1.000	1.00	NO	0.00000	0.00002				
5	67 PCB-128	45.82	45.82	1.010e4	0.000e3	1.000	1.00	NO	0.00200	0.00210				



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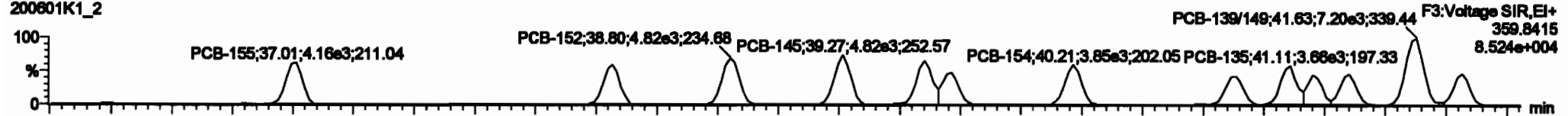
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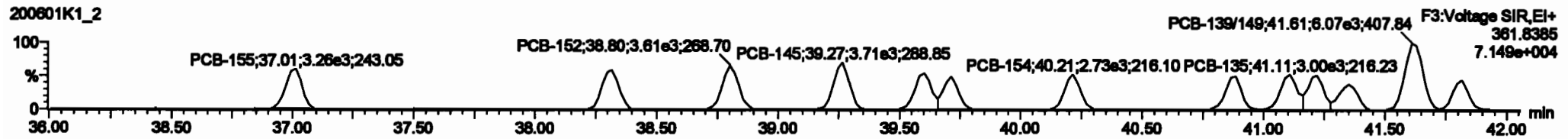
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**PCB-155**

200601K1\_2



200601K1\_2

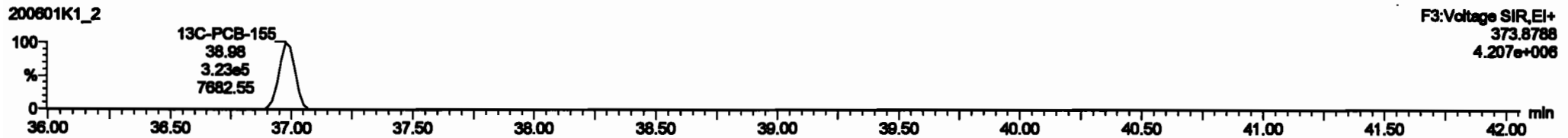


**13C-PCB-155**

200601K1\_2

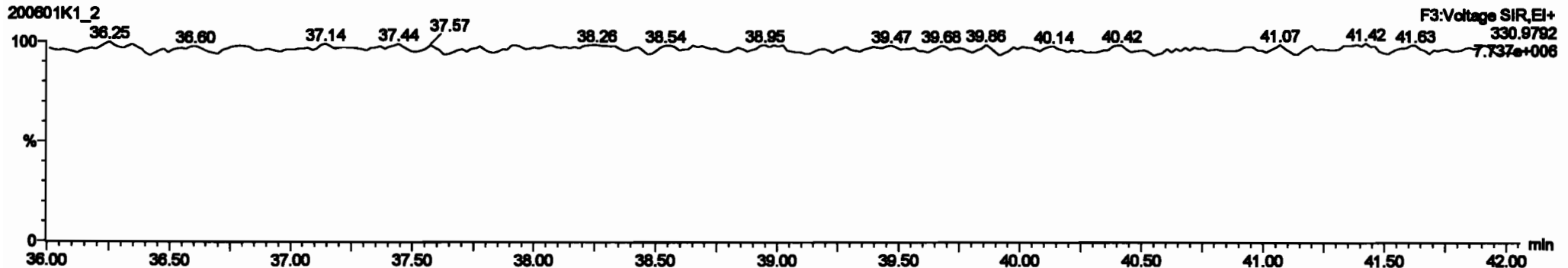


200601K1\_2



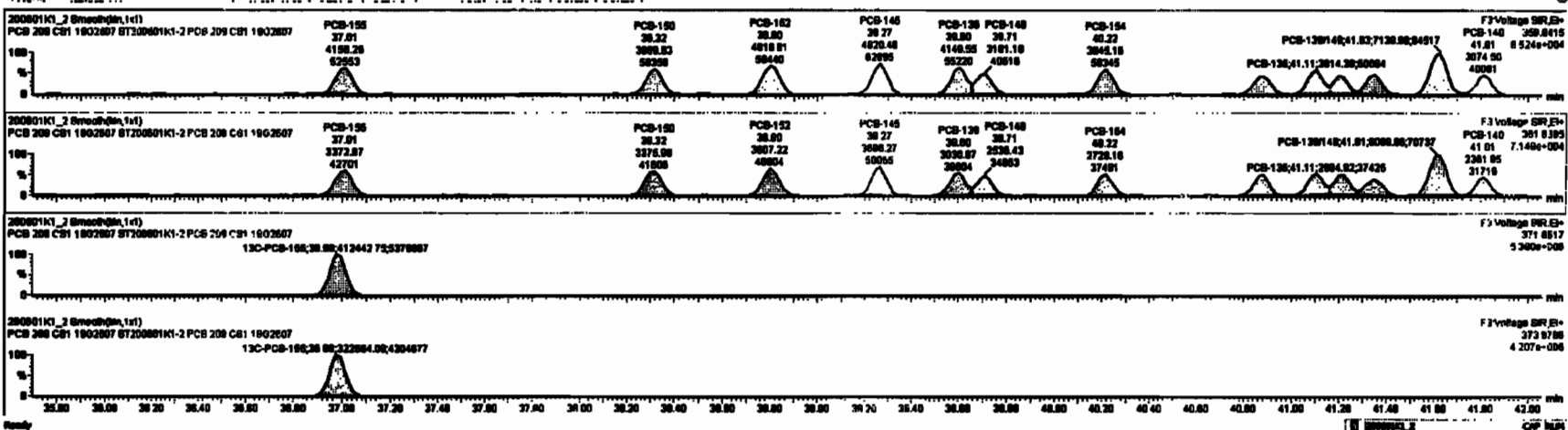
**PFK3c**

200601K1\_2



#	Name	Range	Min	Max	DFP	Volts	Phase	Min	Max	DFP	Volts	Phase	Min	Max	DFP	Volts	Phase
220	13C-PCB-478	7.18e4	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		0.0226	2.894		
226	Total Di-PCBs				1.0037	1.000	0.00	0.00	0.000	0.000	ND	11.30		0.237	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				0.0028	1.000	0.00	0.00	0.000	0.000	ND	16.71		0.201	16.71		
230	Total Penta-PCBs				1.0778	1.000	0.00	0.00	0.000	0.000	ND	48.30		0.382	48.30		
232	2nd Function Hexa-PCBs				1.3157	1.000	0.00	0.00	0.000	0.000	ND	28.57		0.076	28.57		
233	2nd Function Hepta-PCBs				1.0726	1.000	0.00	0.00	0.000	0.000	ND	4.788		0.0712	4.788		
234	2nd Function Octa-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	ND	0.000		0.000	0.000		
235	Total Mono-PCBs				1.0718	1.000	0.00	0.00	0.000	0.000	ND	28.40		0.382	28.40		
236	Total Di-PCBs				1.0001	1.000	0.00	0.00	0.000	0.000	ND	23.18		0.238	23.18		
237	Total Tri-PCBs				1.0718	1.000	0.00	0.00	0.000	0.000	ND	8.714		0.0718	8.714		

#	Name	Preval	DFP	Volts	Phase	DFP	Volts	Phase	DFP	Volts	Phase	DFP	Volts	Phase
88	PCB-188	38.88	37.01	4.189e3	3.27e3	1.240	1.29	ND	0.00180	0.00137				
89	PCB-189	38.33	38.33	3.888e3	3.37e3	1.240	1.18	ND	0.01280	0.01228				
90	PCB-192	38.88	38.88	4.817e3	3.807e3	1.240	1.24	ND	0.00000	0.00001				
101	PCB-145	38.27	38.27	4.828e3	3.88e3	1.240	1.21	ND	0.07480	0.07288				
102	PCB-138	38.80	38.80	4.189e3	3.81e3	1.240	1.27	ND	0.00000	0.00000				
103	PCB-148	38.71	38.71	3.119e3	2.53e3	1.240	1.28	ND	0.00000	0.00000				
104	PCB-158	48.21	48.21	3.888e3	2.78e3	1.240	1.41	ND	0.07228	0.07218				
105	PCB-161	48.88	48.88	3.588e3	2.88e3	1.240	1.18	ND	1.0000	1.0000				
106	PCB-138	41.11	41.11	3.814e3	2.88e3	1.240	1.27	ND	1.0000	1.0000				

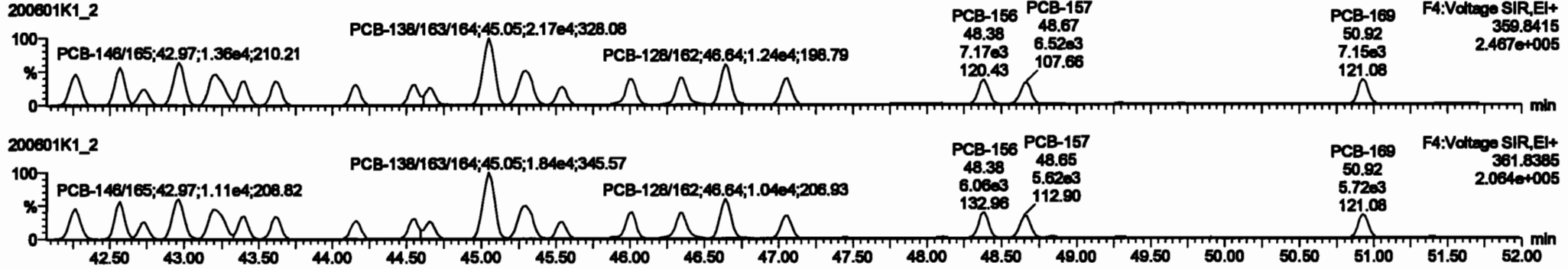


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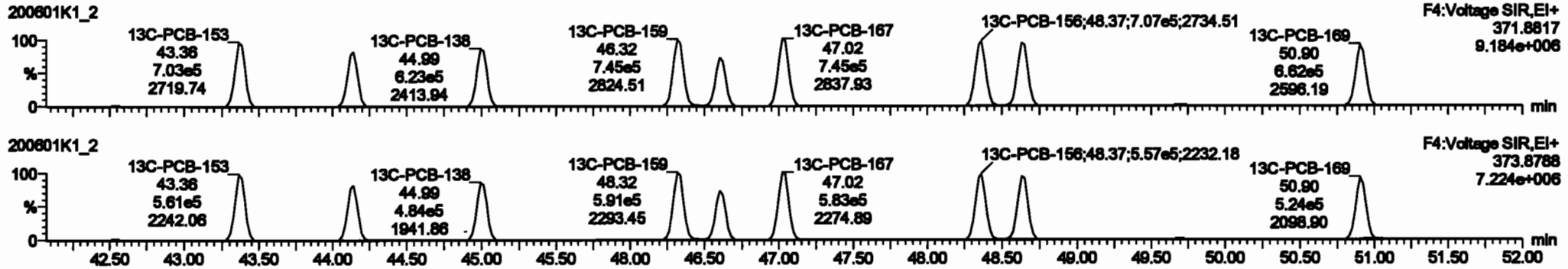
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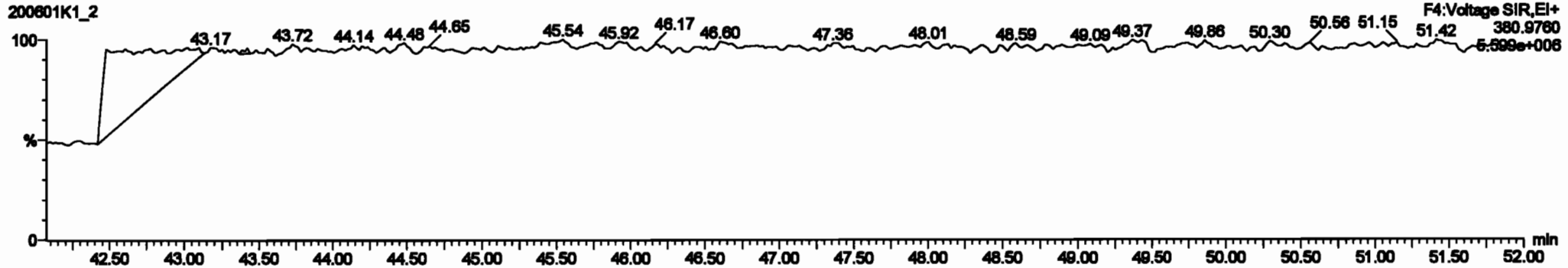
PCB-134/143



13C-PCB-153

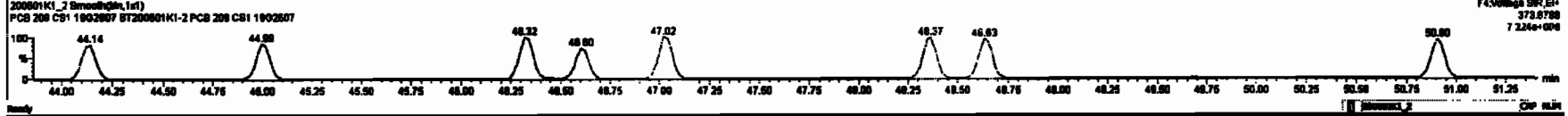
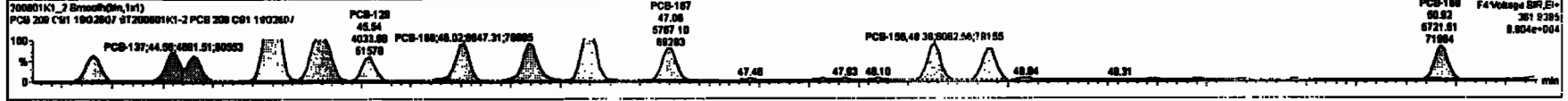
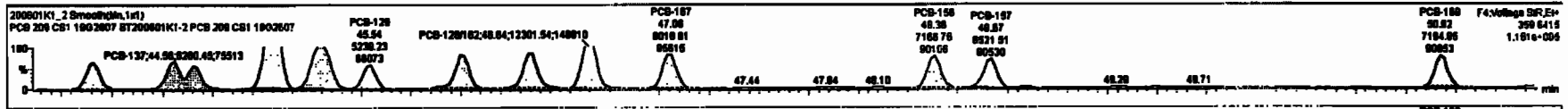


PFK4b



#	Name	Mass	RA	CF	RP	RP1	RP2	RP3	RP4	RP5	RP6	RP7	RP8	RP9	RP10	RP11	RP12	RP13	RP14	RP15	RP16	RP17	RP18	RP19	RP20
226	13C-PCB-178	7.18e6	0.45	NO	1.0000	1.0000	46.67	46.67	0.0000	0.0000	NO	104.2	104	0.0072											
226	Total Mono-PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	2.884		0.0000	2.884										
226	Total Di-PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	11.30		0.227	11.30										
226	2nd Furthest Tri-PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	7.602		0.0000	7.602										
227	2nd Furthest Tri-PCBs				0.8808	1.0000	0.00	0.00	0.0000	0.0000	NO	15.71		0.281	15.71										
228	Total Tetra-PCBs				1.0078	1.0000	0.00	0.00	0.0000	0.0000	NO	48.38		0.382	48.38										
228	2nd Furthest Penta-PCBs				1.2157	1.0000	0.00	0.00	0.0000	0.0000	NO	38.57		0.676	38.57										
228	3rd Furthest Penta-PCBs				1.0728	1.0000	0.00	0.00	0.0000	0.0000	NO	4.785		0.0713	4.785										
228	4th Furthest Penta-PCBs				0.8803	1.0000	0.00	0.00	0.0000	0.0000	NO	13.32		0.123	13.32										
228	5th Furthest Penta-PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	28.47		0.284	28.47										
228	Total Hexa-PCBs				1.3891	1.0000	0.00	0.00	0.0000	0.0000	NO	23.18		0.238	23.18										
228	6th Furthest Hexa-PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	8.916		0.0916	8.916										

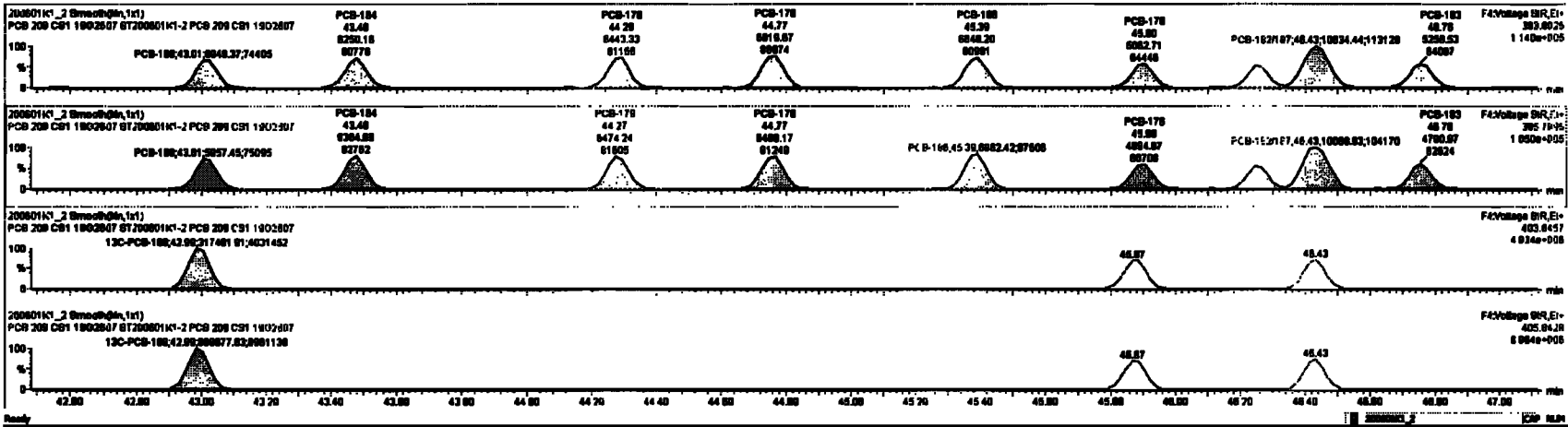
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111	43.28	43.28	9.897e3	0.003e3	1.240	1.24	NO	1.8820	1.8819						
112	43.59	43.57	1.005e3	0.079e3	1.240	1.22	NO	1.8820	1.8818						
113	42.73	42.74	4.819e3	3.974e3	1.240	1.24	NO	0.92390	0.92358						
114	42.87	42.87	1.285e3	1.114e3	1.240	1.22	NO	1.8820	1.8822						
115	43.28	43.21	1.281e3	1.128e3	1.240	1.18	NO	1.8840	1.8838						
116	43.58	43.43	7.238e3	5.748e3	1.240	1.28	NO	0.88000	0.88004						
117	43.81	43.81	7.281e3	5.888e3	1.240	1.30	NO	0.94800	0.94882						
118	44.18	44.18	5.747e3	4.482e3	1.240	1.28	NO	0.94100	0.94128						
119	44.88	44.88	8.280e3	4.882e3	1.240	1.24	NO	0.82100	0.82080						





#	Name	Rating	RA	sq	SWP	Wdth	PeakW	RT	PeakR2	SWP	SWP Pct	Comp	WPeak	EC	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				1.1886	1.000	0.00	0.000			NO	2.864		0.0020	2.864
226	Total DL-PCBs				1.0007	1.000	0.00	0.000			NO	11.36		0.007	11.36
228	2nd Function Tri-PCBs				1.0007	1.000	0.00	0.000			NO	7.809		0.0006	7.809
229	2nd Function Tri-PCBs				0.9999	1.000	0.00	0.000			NO	42.71		0.001	42.71
230	Total Tetra-PCBs				1.0779	1.000	0.00	0.000			NO	48.38		0.003	48.38
231	2nd Function Penta-PCBs				1.2157	1.000	0.00	0.000			NO	38.67		0.076	38.67
232	4th Function Penta-PCBs				1.0726	1.000	0.00	0.000			NO	4.705		0.0713	4.705
233	2nd Function Hexa-PCBs				0.9999	1.000	0.00	0.000			NO	13.33		0.120	13.33
234	4th Function Hexa-PCBs				1.0916	1.000	0.00	0.000			NO	26.46		0.063	26.46
235	Total Hepta-PCBs				1.0000	1.000	0.00	0.000			NO	26.46		0.000	26.46
236	Total Octa-PCBs				1.0000	1.000	0.00	0.000			NO	0.0000		0.0000	0.0000
237	Total Non-PCBs				1.0000	1.000	0.00	0.000			NO	0.0000		0.0000	0.0000

#	Name	PeakW	RT	SWP	Wdth	PeakW	RT	SWP	Wdth	PeakW	RT	SWP	Wdth	PeakW	RT	SWP	Wdth
131	PCB-184	43.63	43.68	0.040e0	0.000e0	1.000	1.01	NO	0.01000	0.01000							
132	PCB-184	43.63	43.68	0.200e0	0.000e0	1.000	0.98	NO	1.00000	1.00000							
133	PCB-178	44.27	44.28	0.400e0	0.070e0	1.000	1.00	NO	0.07000	0.07000							
134	PCB-178	44.24	44.27	0.020e0	0.000e0	1.000	1.07	NO	1.00000	1.00000							
135	PCB-188	45.38	45.38	0.040e0	0.000e0	1.000	0.98	NO	1.00000	1.00000							
136	PCB-178	44.60	44.60	0.000e0	0.000e0	1.000	1.00	NO	1.00000	1.00000							
137	PCB-178	44.24	44.24	0.000e0	0.000e0	1.000	1.01	NO	0.00000	0.00000							
138	PCB-188187	46.42	46.43	1.000e0	1.000e0	1.000	1.08	NO	1.01010	1.01010							
139	PCB-183	48.78	48.78	0.200e0	0.200e0	1.000	1.12	NO	0.00000	0.00000							



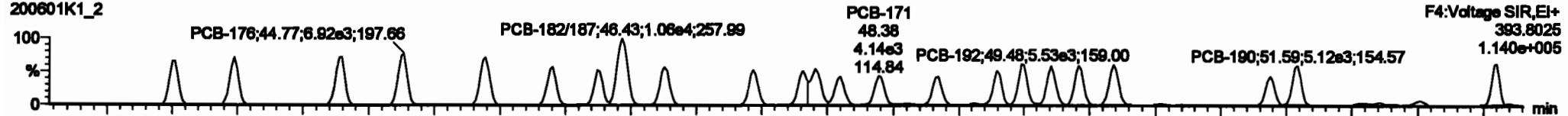
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

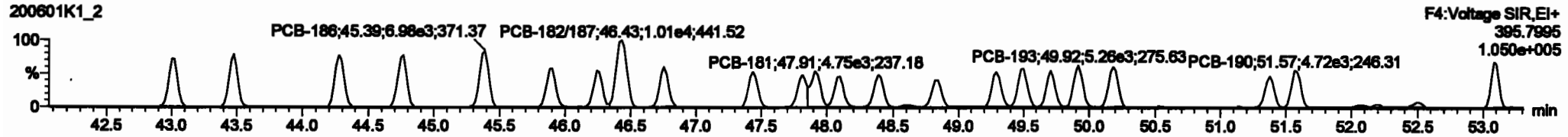
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**PCB-188**

200601K1\_2

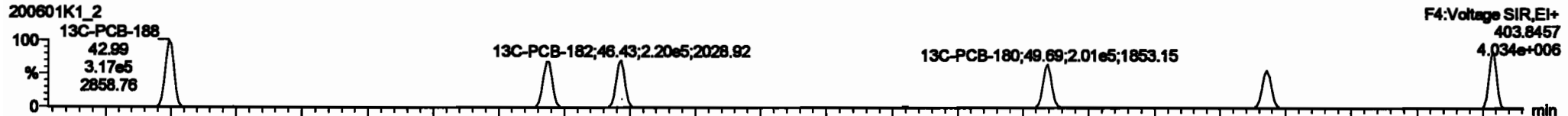


200601K1\_2

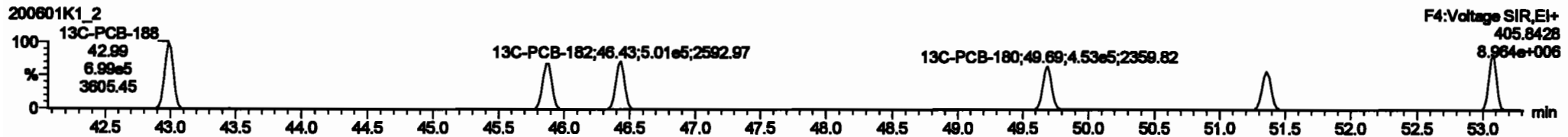


**13C-PCB-188**

200601K1\_2

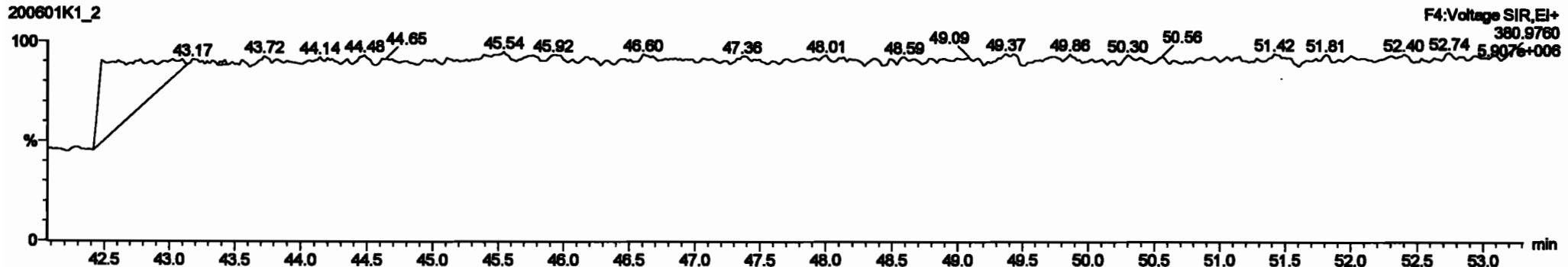


200601K1\_2



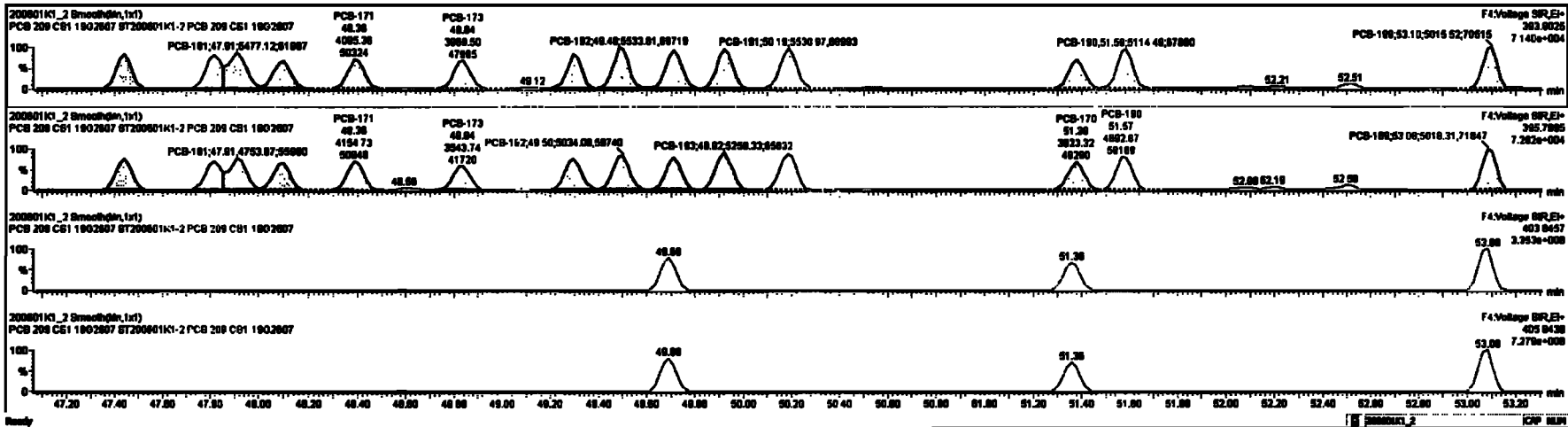
**PFK4c**

200601K1\_2



Peak	Area	Height	Width	Retention Time	Concentration	Response	Integration	Quality	Reference	Sample	Concentration	Response	Integration	Quality	Reference	Sample
220	134.00	7.10e5	0.45	ND	1.0000	1.000	46.87	46.87	0.000	0.003	ND	104.2	104	0.0073		
221	204	Total Mono-PCBs			1.1885	1.000	0.00	0.000	ND	2.884	0.0230	2.884				
222	226	Total Di-PCBs			1.0537	1.000	0.00	0.000	ND	11.38	0.227	11.38				
223	228	2nd Function Tri-PCBs			1.0667	1.000	0.00	0.000	ND	7.632	0.0823	7.632				
224	227	3rd Function Tri-PCBs			0.8528	1.000	0.00	0.000	ND	16.71	0.201	16.71				
225	228	Total Tetra-PCBs			1.0778	1.000	0.00	0.000	ND	40.38	0.302	40.38				
226	228	3rd Function Tetra-PCBs			1.2167	1.000	0.00	0.000	ND	39.97	0.670	39.97				
227	230	4th Function Tetra-PCBs			1.0735	1.000	0.00	0.000	ND	4.785	0.0713	4.785				
228	231	3rd Function Penta-PCBs			0.8825	1.000	0.00	0.000	ND	13.32	0.123	13.32				
229	230	4th Function Penta-PCBs			1.0518	1.000	0.00	0.000	ND	28.46	0.302	28.46				
230	231	5th Function Penta-PCBs			1.2218	1.000	0.00	0.000	ND	33.16	0.570	33.16				
231	231	6th Function Penta-PCBs			1.0978	1.000	0.00	0.000	ND	8.918	0.191	8.918				

Peak	Area	Height	Width	Retention Time	Concentration	Response	Integration	Quality	Reference	Sample	Concentration	Response	Integration	Quality	Reference	Sample
131	PCB-168	43.03	43.01	0.05e3	0.007e3	1.000	1.01	ND	0.01800	0.01821						
132	PCB-164	43.48	43.48	0.20e3	0.200e3	1.000	0.98	ND	1.0000	1.0000						
133	PCB-178	44.27	44.28	0.44e3	0.47e3	1.000	1.00	ND	0.07800	0.07834						
134	PCB-176	44.74	44.77	0.82e3	0.48e3	1.000	1.07	ND	1.0070	1.0088						
135	PCB-168	46.28	46.28	0.04e3	0.02e3	1.000	0.98	ND	1.0000	1.0079						
136	PCB-178	46.88	46.88	0.03e3	0.04e3	1.000	1.00	ND	1.0000	1.0088						
137	PCB-176	48.24	48.24	4.88e3	4.88e3	1.000	1.01	ND	0.02400	0.02388						
138	PCB-182/187	48.42	48.42	1.00e4	1.00e4	1.000	1.08	ND	1.0110	1.0110						
139	PCB-183	48.78	48.78	0.20e3	0.70e3	1.000	1.12	ND	0.00000	0.00007						



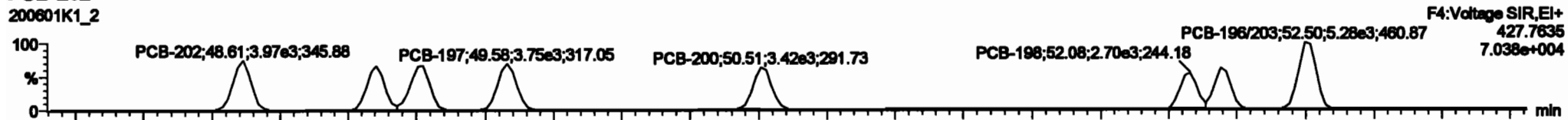
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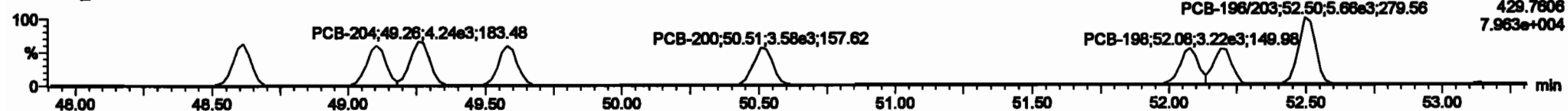
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**PCB-202**

200601K1\_2

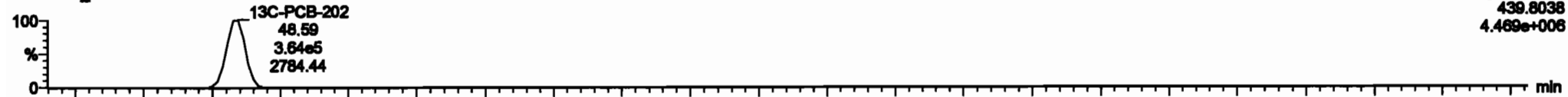


200601K1\_2

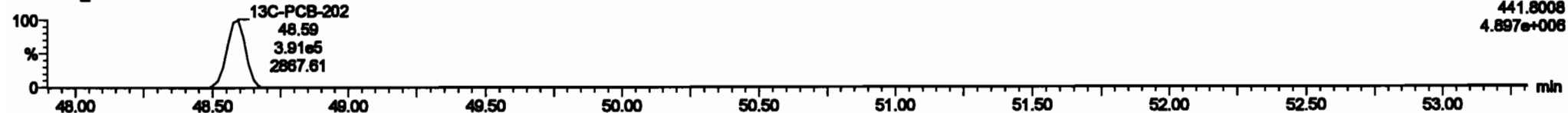


**13C-PCB-202**

200601K1\_2

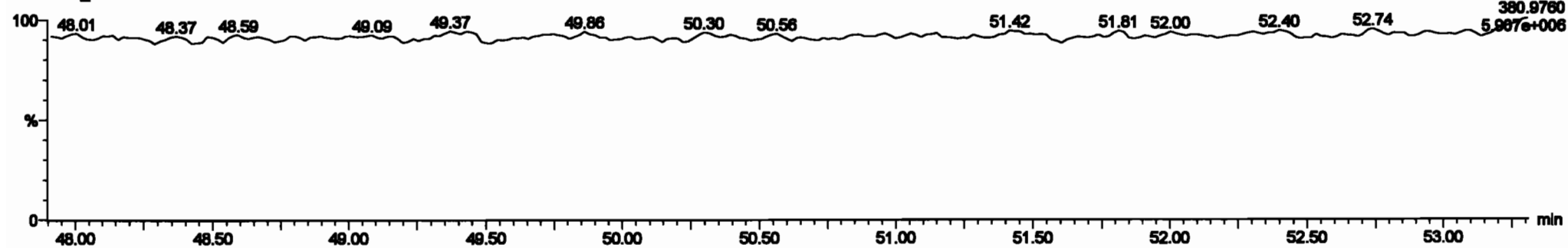


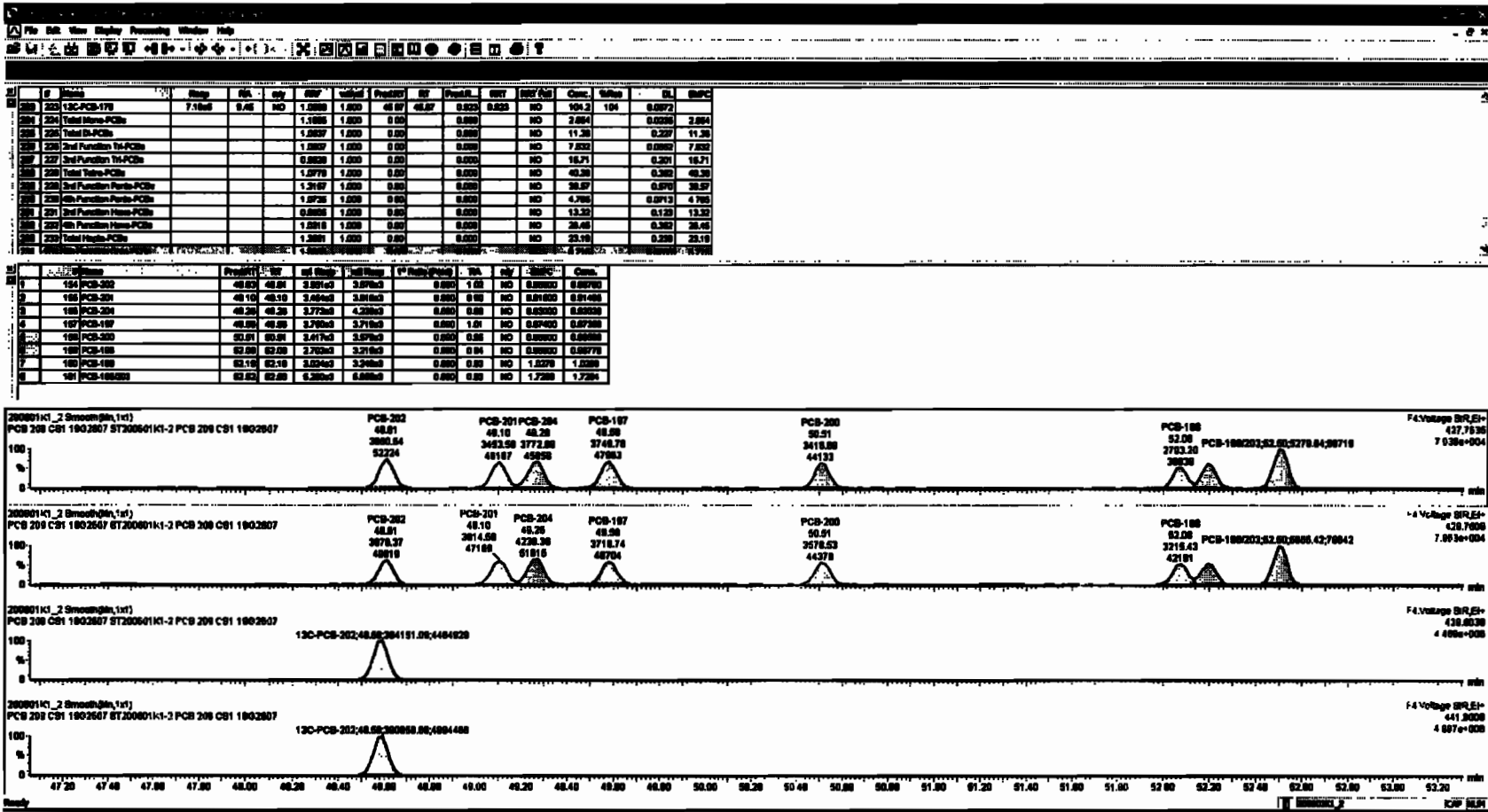
200601K1\_2



**PFK4d**

200601K1\_2





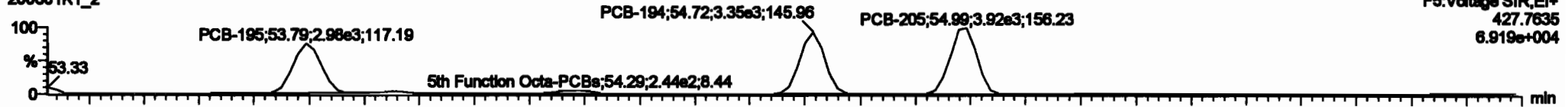
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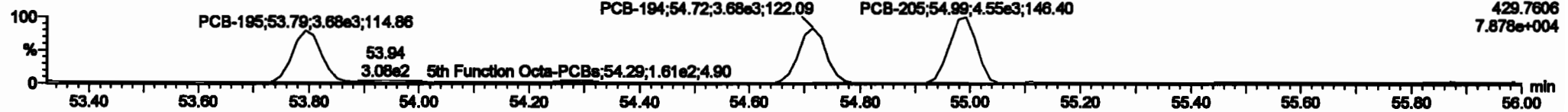
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PCB-195

200601K1\_2

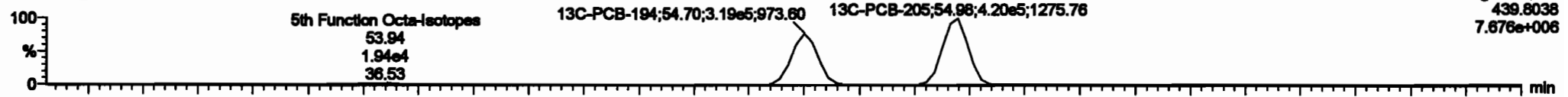


200601K1\_2

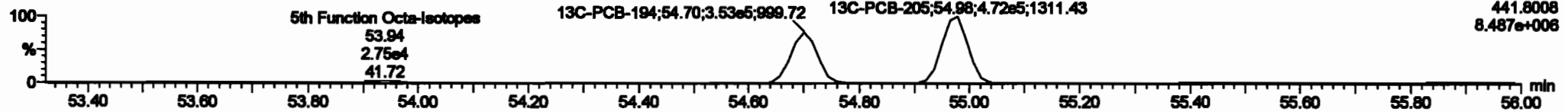


13C-PCB-194

200601K1\_2

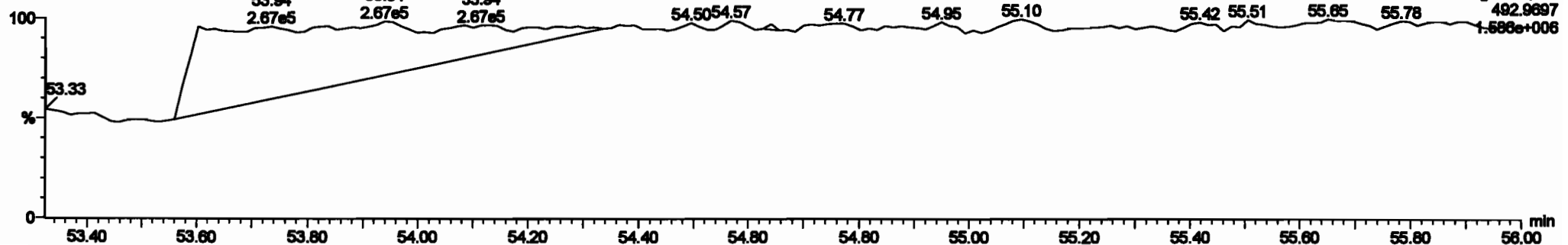


200601K1\_2



PFK5a

200601K1\_2



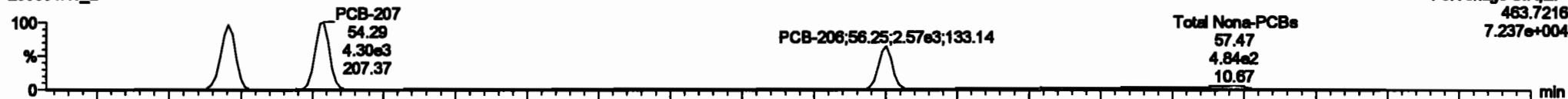
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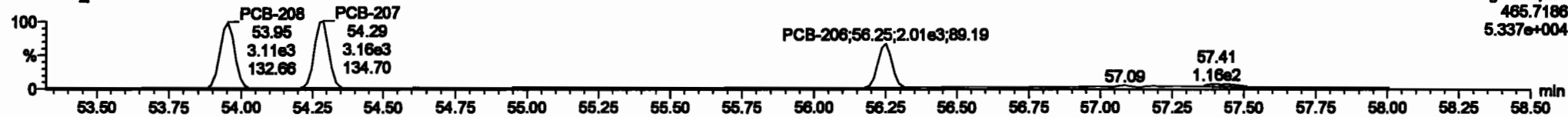
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**PCB-208**

200601K1\_2

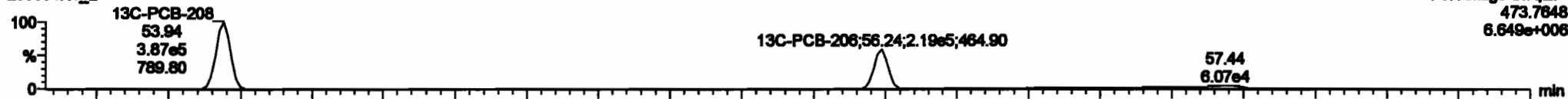


200601K1\_2

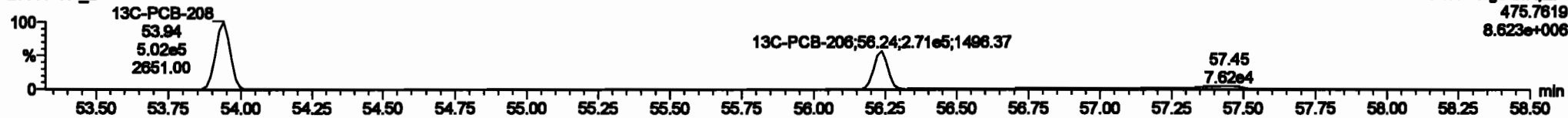


**13C-PCB-208**

200601K1\_2

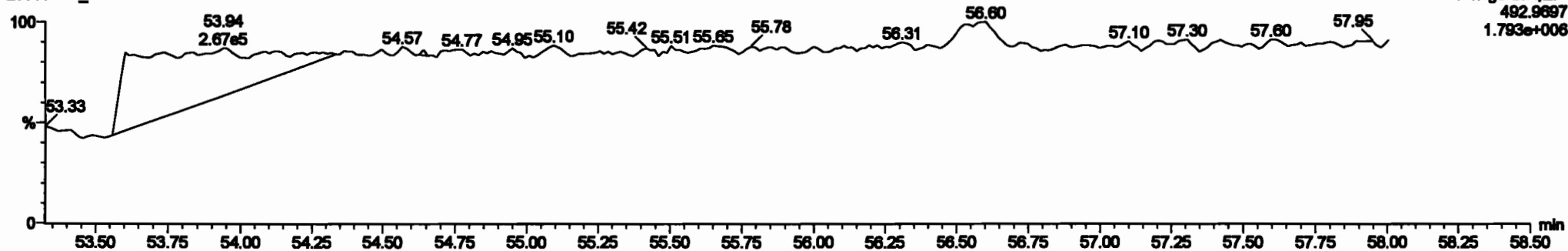


200601K1\_2



**PFK5**

200601K1\_2





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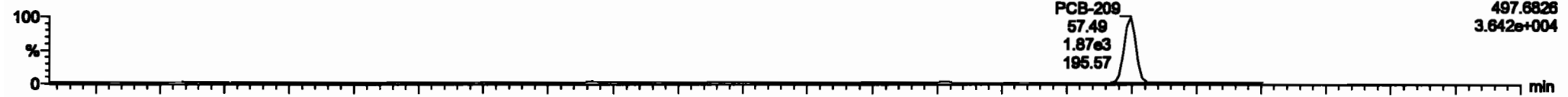
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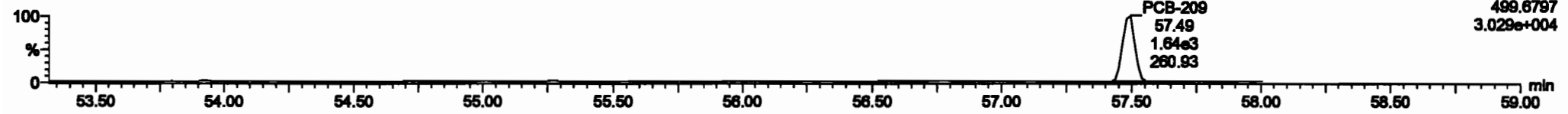
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**PCB-209**

200601K1\_2

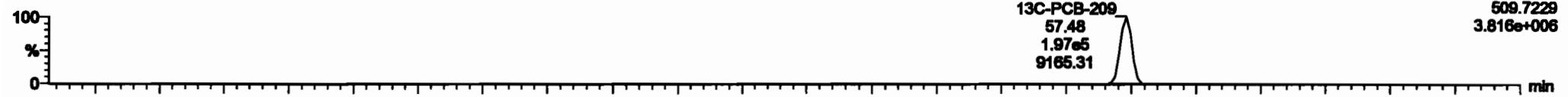


200601K1\_2

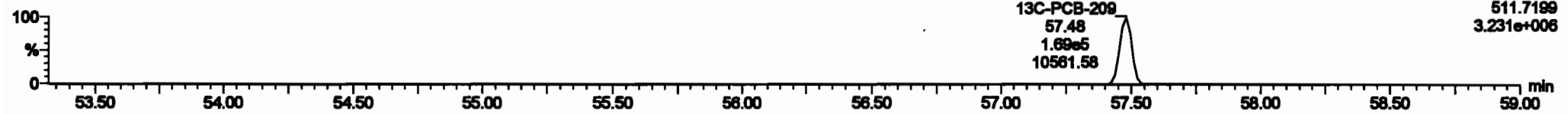


**13C-PCB-209**

200601K1\_2

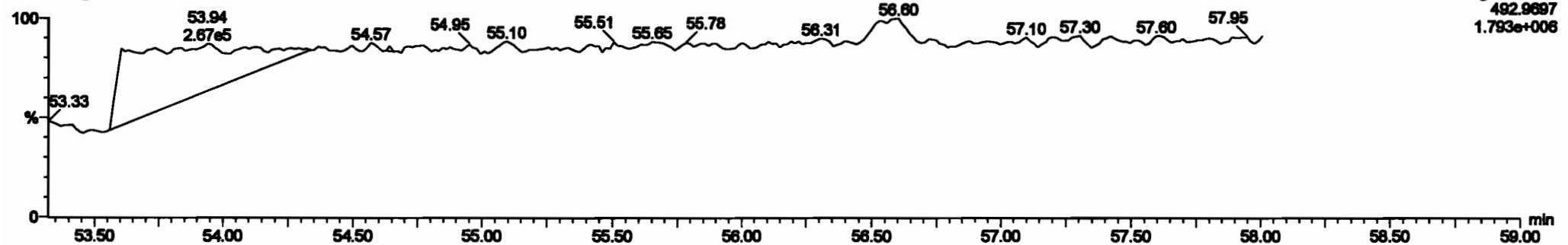


200601K1\_2



**PFK5b**

200601K1\_2



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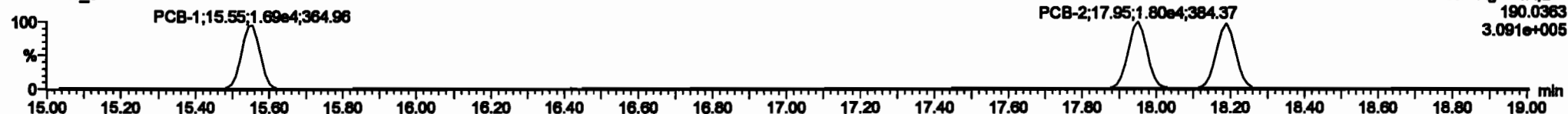
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PCB-1

200601K1\_3



200601K1\_3

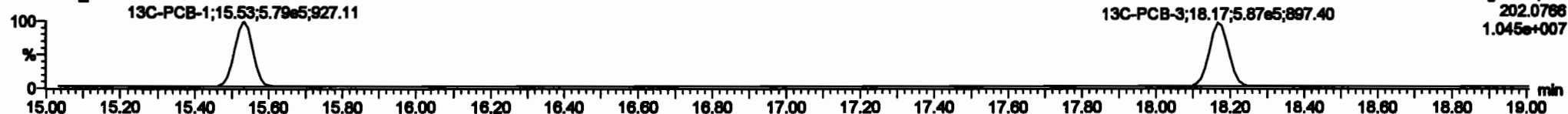


13C-PCB-1

200601K1\_3

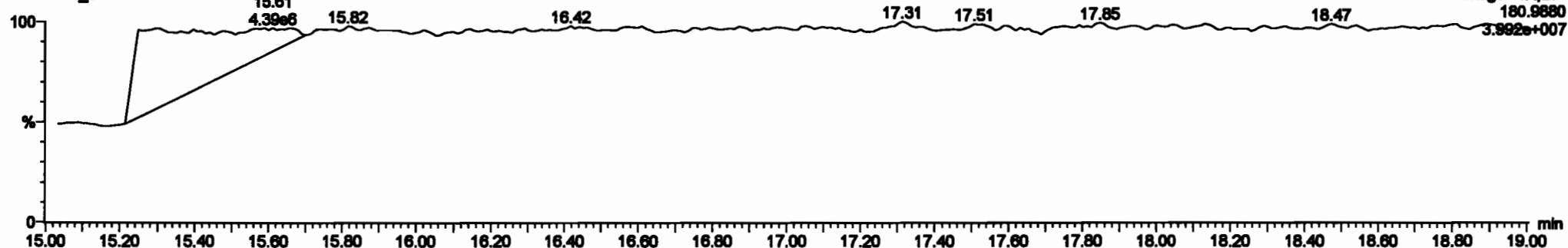


200601K1\_3



PFK1

200601K1\_3



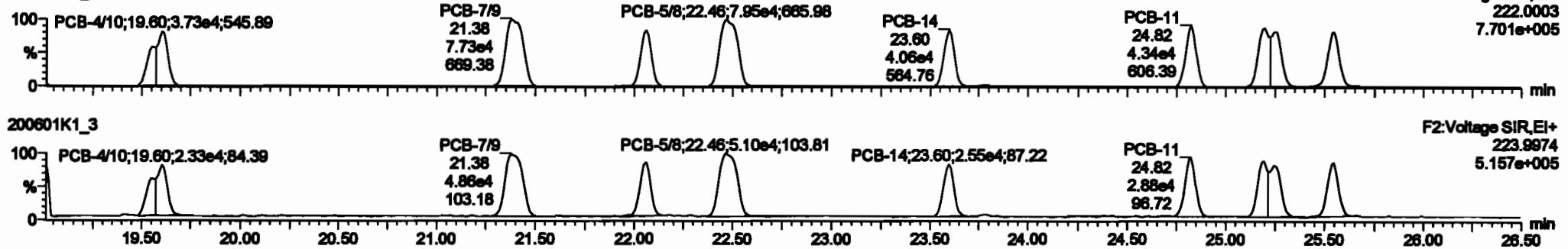
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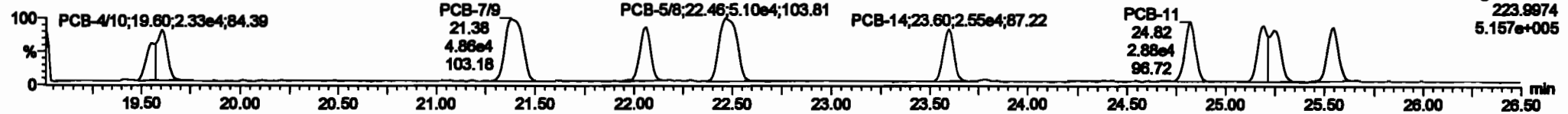
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**PCB-4/10**

200601K1\_3

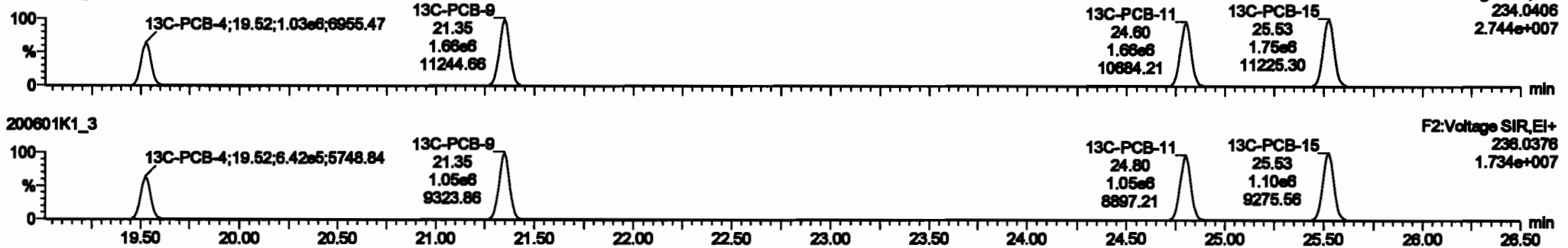


200601K1\_3

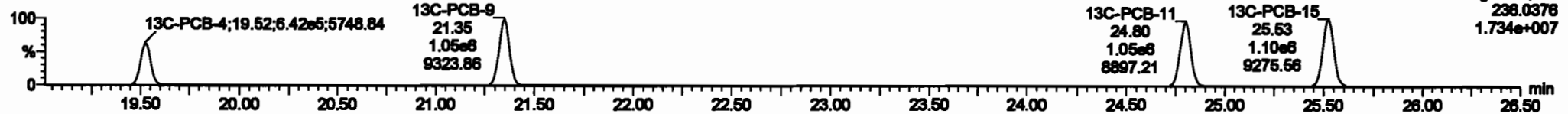


**13C-PCB-4**

200601K1\_3

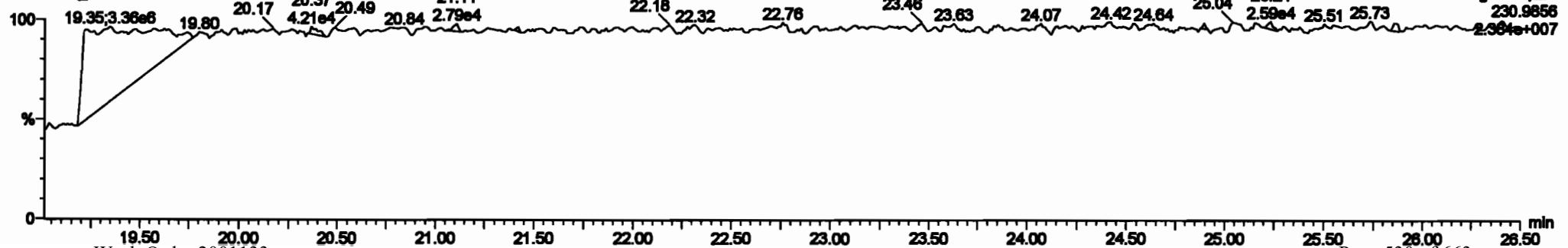


200601K1\_3



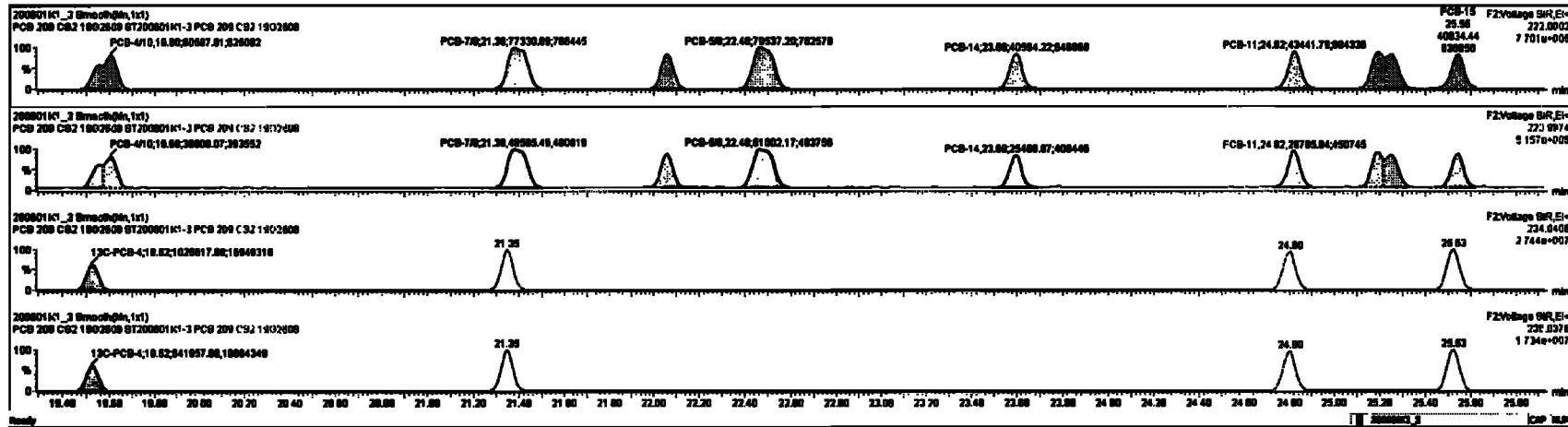
**PFK2a**

200601K1\_3



#	Peak	Retp	RA	dy	RFI	Initial	Final	Peak	RT	Peak	RT	Peak	RT	Area	YMin	YMax	SL	BFPC
210	13C-PCB-00	1.21min	0.70	NO	1.0000	1.000	30.00	30.00	1.000	0.000	NO	100.0	100	0.0001				
211	13C-PCB-111	1.17min	1.02	NO	1.0000	1.000	30.25	30.25	1.000	0.000	NO	100.0	100	0.0072				
217	13C-PCB-128	0.70min	1.26	NO	1.0000	1.000	48.00	48.00	1.000	0.000	NO	100.0	100	0.120				
219	13C-PCB-105	7.20min	0.46	NO	1.0000	1.000	48.43	48.43	0.000	0.000	NO	100.0	100	0.0000				
210	13C-PCB-208	0.80min	0.80	NO	1.0000	1.000	64.00	64.00	1.000	0.000	NO	100.0	100	0.140				
220	13C-PCB-70	1.20min	0.70	NO	1.0000	1.000	37.70	37.70	1.000	1.000	NO	100.0	100	0.0001				
221	13C-PCB-170	7.20min	0.44	NO	0.7000	1.000	48.00	48.00	0.000	0.000	NO	67.23	67.2	0.0002				
222	13C-PCB-70	1.20min	0.70	NO	1.0001	1.000	37.70	37.70	0.000	0.000	NO	66.07	66.0	0.0070				
223	13C-PCB-170	7.20min	0.44	NO	1.0000	1.000	48.07	48.07	0.023	0.023	NO	65.10	65.2	0.0003				
224	Total Non-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	7.200		0.0210				7.210

Peak	Retp	RA	dy	RFI	Initial	Final	Peak	RT	Peak	RT	Area	YMin	YMax	SL	BFPC
0	PCB-470	19.00	19.00	0.0000	0.0000	1.000	1.00	NO	4.7700	4.7700					
1	PCB-70	21.41	21.39	2.7200	0.0000	1.000	1.00	NO	4.9400	4.9400					
2	PCB-58	22.46	22.46	4.0100	2.0000	1.000	1.00	NO	2.3070	2.3070					
3	PCB-14	22.60	22.60	7.0000	0.1000	1.000	1.00	NO	4.0000	4.0000					
4	PCB-11	24.82	24.82	4.0000	2.5000	1.000	1.00	NO	3.3070	3.3000					
5	PCB-11	24.82	24.82	4.3000	2.8000	1.000	1.00	NO	2.3000	2.3000					
6	PCB-1203	26.28	26.28	0.2100	0.1300	1.000	1.00	NO	4.7000	4.7000					
7	PCB-16	26.57	26.56	4.0000	2.7000	1.000	1.00	NO	2.4040	2.4000					

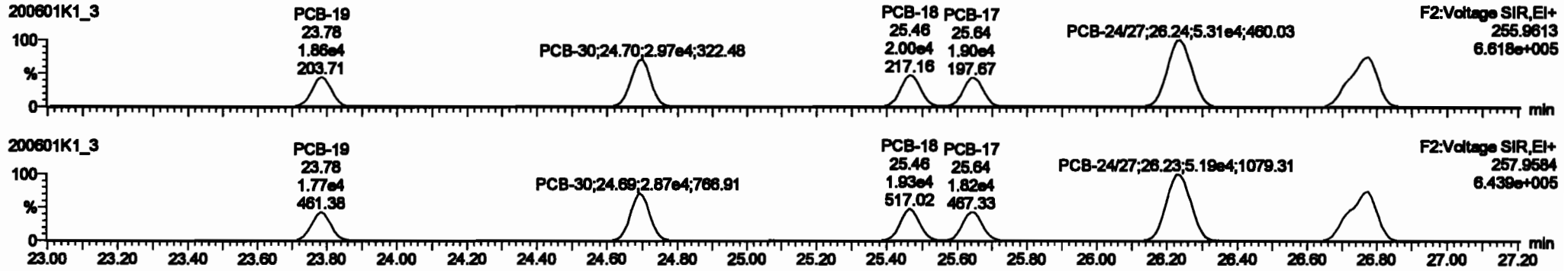


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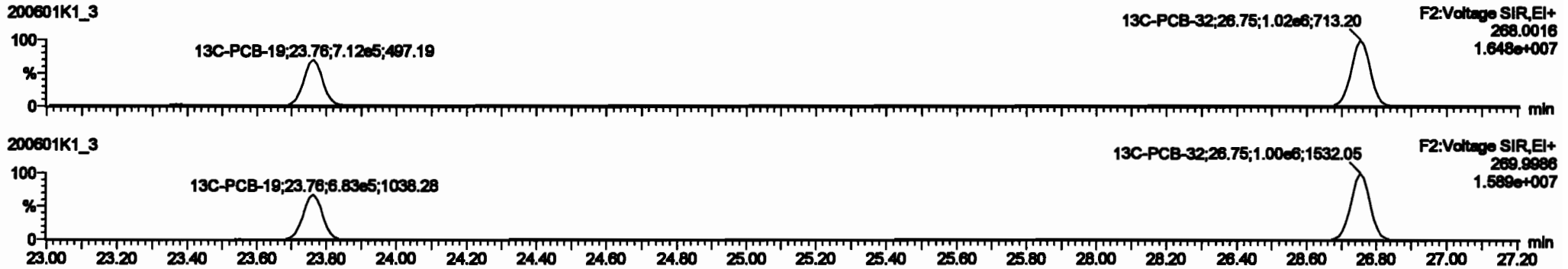
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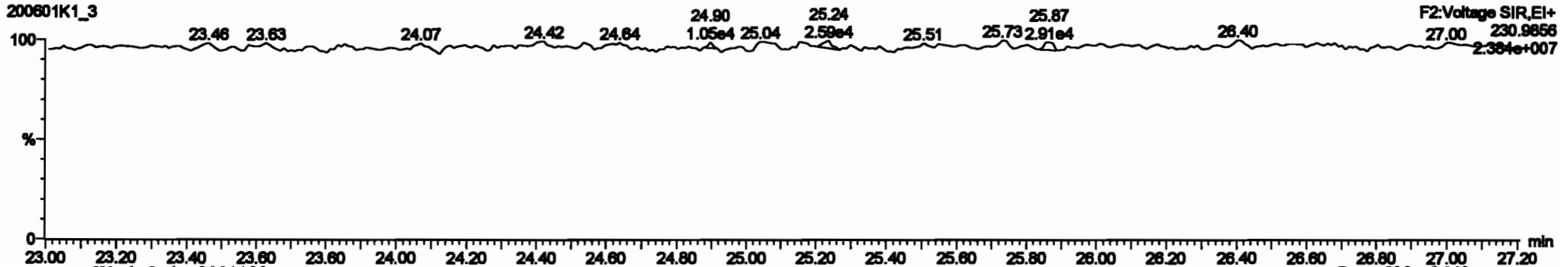
PCB-19



13C-PCB-19

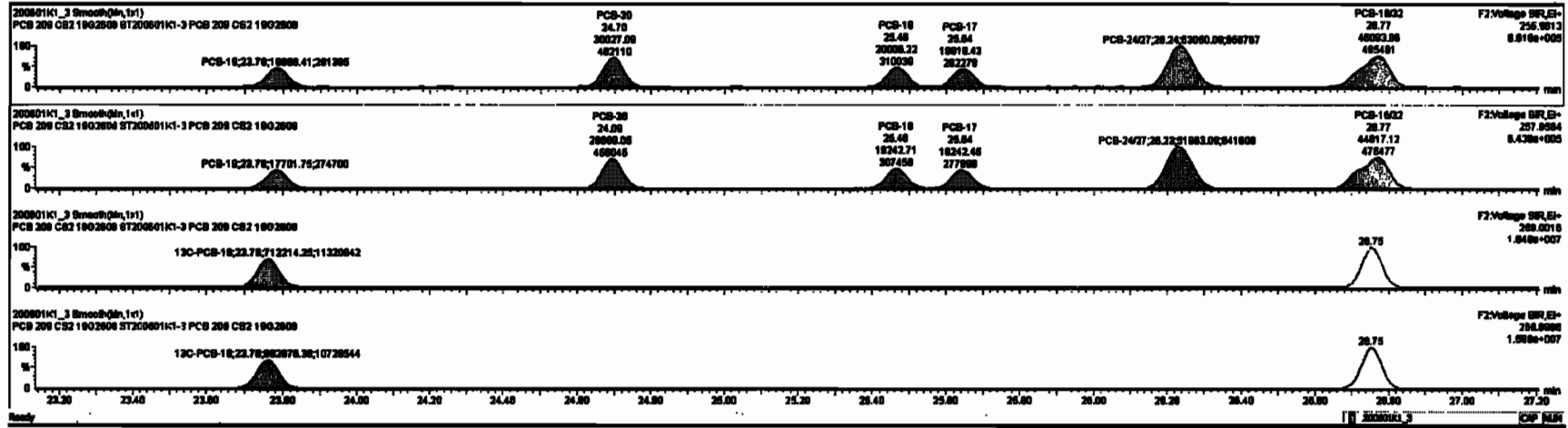


PFK2b



Peak	Retention Time (min)	Area	Height	Width	Height	Area	Height	Width	Height	Area	Height	Width	Height	Area	Height	Width	Height
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	0.000	NO	88.47	88.5	0.0091			
221	13C-PCB-478	7.23e5	0.44	NO	8.7685	1.000	46.80	46.80	0.000	0.000	NO	87.23	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				1.1188	1.000	0.00	0.00	0.000	0.000	NO	7.216		0.0216	7.216		
220	Total Di-PCBs				1.8837	1.000	0.00	0.00	0.000	0.000	NO	28.88		0.216	28.88		

Peak	Retention Time (min)	Area	Height	Width	Height	Area	Height	Width	Height	Area	Height	Width	Height
12	PCB-16	23.78	23.78	1.889e4	1.770e4	1.040	1.04	NO	2.2870	2.2888			
13	PCB-30	24.80	24.78	3.003e4	2.889e4	1.040	1.04	NO	2.2480	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	1.02	NO	4.7880	4.7878			
17	PCB-18/22	28.77	28.77	4.808e4	4.802e4	1.040	1.02	NO	4.8010	4.8010			

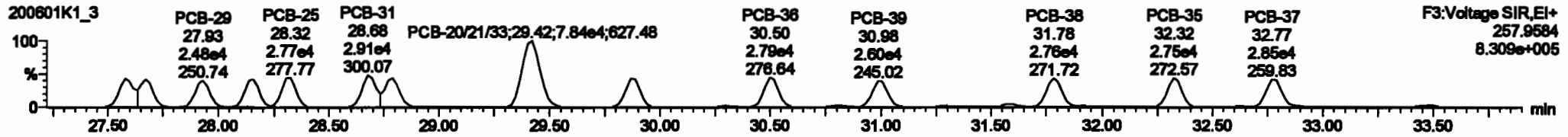
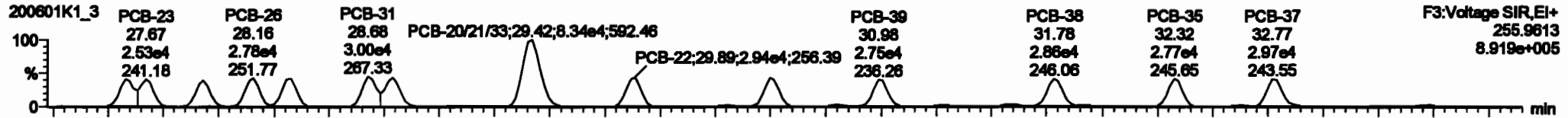


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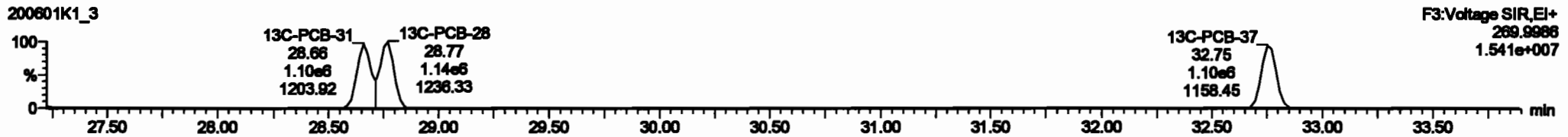
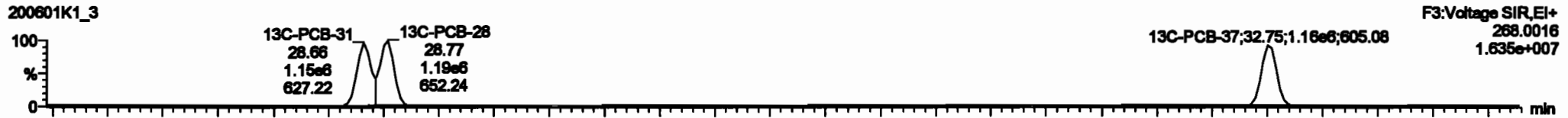
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Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

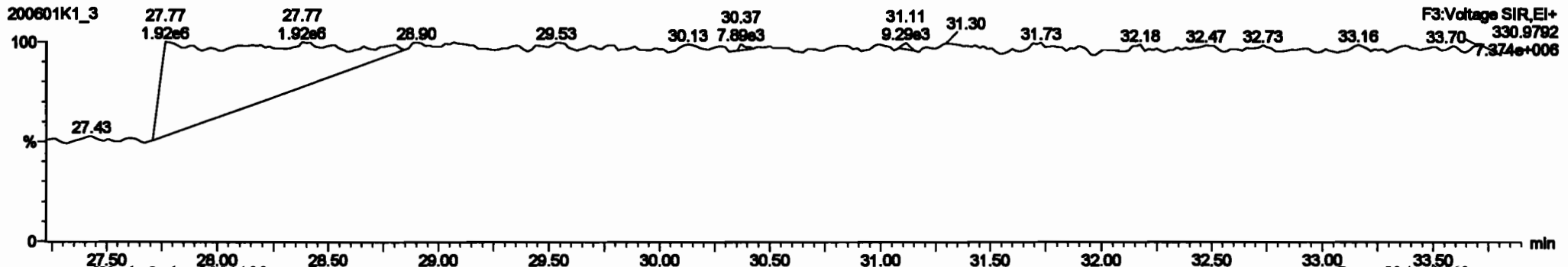
**PCB-34**



**13C-PCB-28**



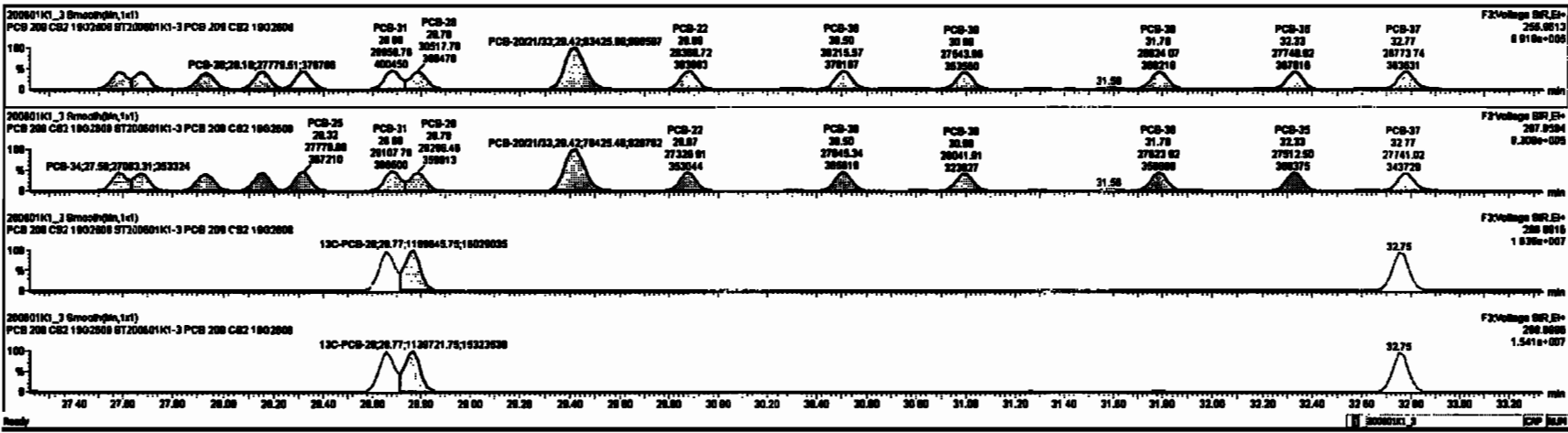
**PFK3d**





#	Name	Range	BA	Qty	RF	Calcd	PresID	RF	PresID	RF	PresID	RF	PresID	RF	PresID	RF	PresID	RF	PresID
230	Total Value-PCBs				1.0776	1.000	0.00	0.000		NO	101.0		0.332	101.0					
230	2nd Function Parts-PCBs				1.3197	1.000	0.00	0.000		NO	67.60		0.371	67.60					
230	4th Function Parts-PCBs				1.6736	1.000	0.00	0.000		NO	12.10		0.0076	12.10					
230	2nd Function Hous-PCBs				0.8806	1.000	0.00	0.000		NO	32.80		0.0076	32.80					
230	4th Function Hous-PCBs				1.8816	1.000	0.00	0.000		NO	66.70		0.372	66.70					
230	Total Hous-PCBs				1.3091	1.000	0.00	0.000		NO	67.74		0.680	67.74					
230	4th Function Oute-PCBs				1.0000	1.000	0.00	0.000		NO	21.80		0.0000	21.80					
230	6th Function Oute-PCBs				1.1480	1.000	0.00	0.000		NO	6.674		0.0040	6.674					
230	Total Hous-PCBs				0.8806	1.000	0.00	0.000		NO	7.264		0.0007	7.264					
230	Total PCBs				0.8804	1.000	0.00	0.000		NO	2.430		0.0076	2.430					

#	Name	Range	BA	Qty	RF	Calcd	PresID	RF	PresID	RF	PresID	RF	PresID	RF	PresID	RF	PresID	RF	PresID
18	PCB-24	27.80	27.80	2.700e4	2.700e4	1.040	1.02	NO	2.4040	2.4040									
19	PCB-25	27.87	27.87	2.620e4	2.621e4	1.040	1.04	NO	2.4000	2.4000									
20	PCB-26	27.90	27.90	2.600e4	2.600e4	1.040	1.01	NO	2.4000	2.4000									
21	PCB-28	28.10	28.10	2.770e4	2.800e4	1.040	1.07	NO	2.4000	2.4000									
22	PCB-29	28.31	28.32	2.870e4	2.770e4	1.040	1.05	NO	2.4000	2.4000									
23	PCB-31	28.60	28.60	2.800e4	2.811e4	1.040	1.05	NO	2.4070	2.4070									
24	PCB-32	28.70	28.70	2.800e4	2.800e4	1.040	1.05	NO	2.4000	2.4000									
25	PCB-2021483	28.40	28.40	0.570e4	7.840e4	1.040	1.05	NO	2.3000	7.2017									
26	PCB-22	28.87	28.88	2.800e4	2.700e4	1.040	1.05	NO	2.6000	2.6000									



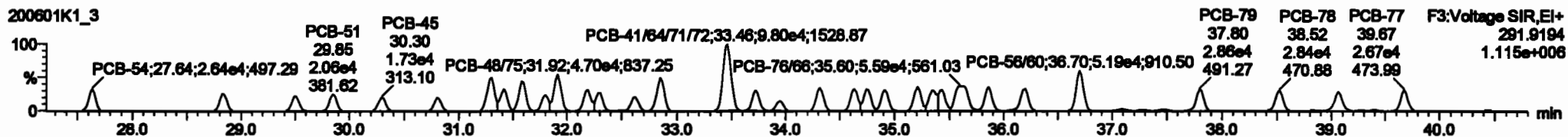
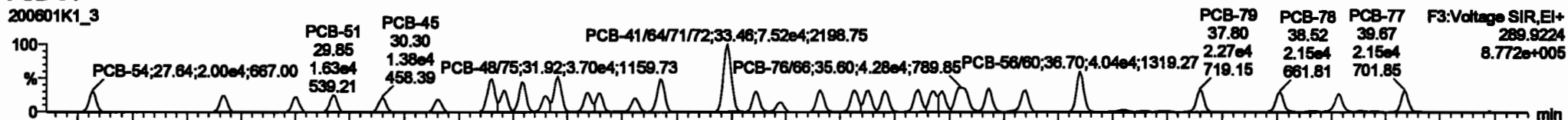
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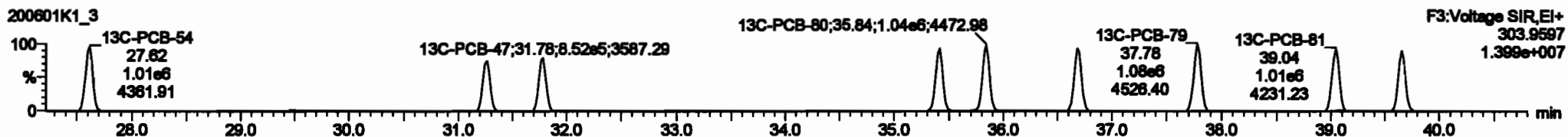
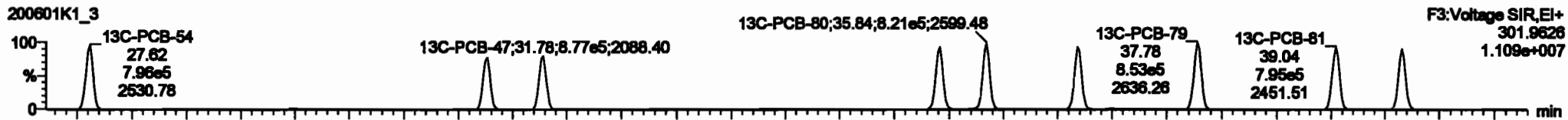
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Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

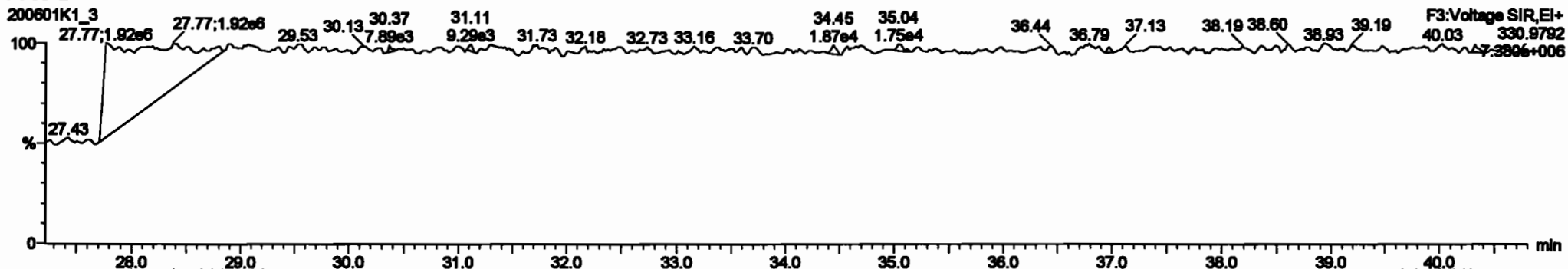
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

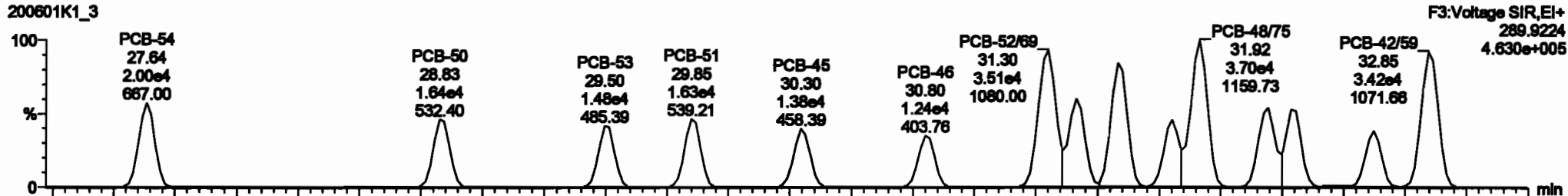
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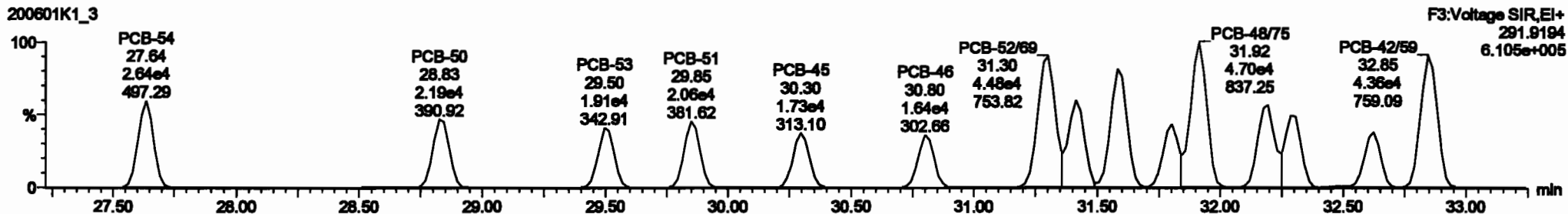
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PCB-50

200601K1\_3

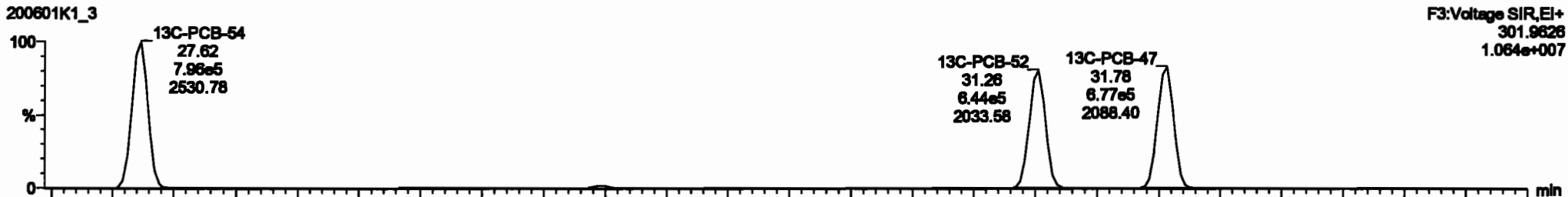


200601K1\_3

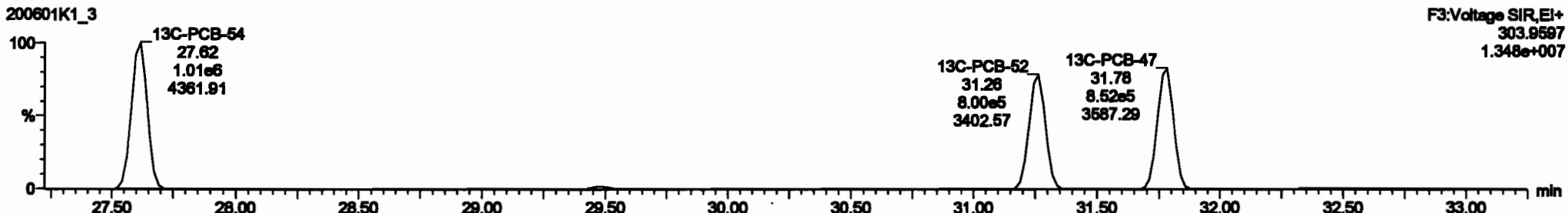


13C-PCB-52

200601K1\_3



200601K1\_3



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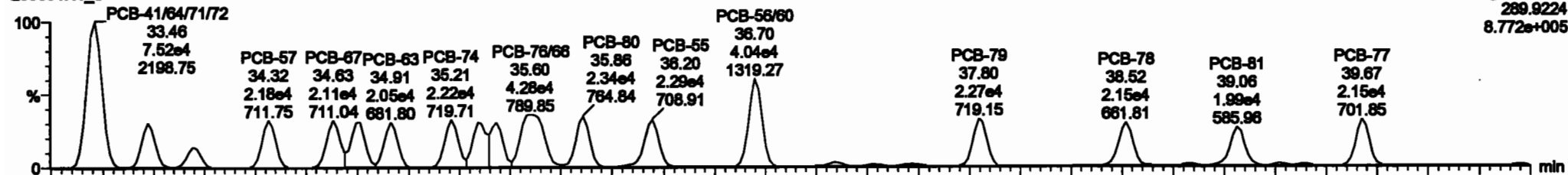
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

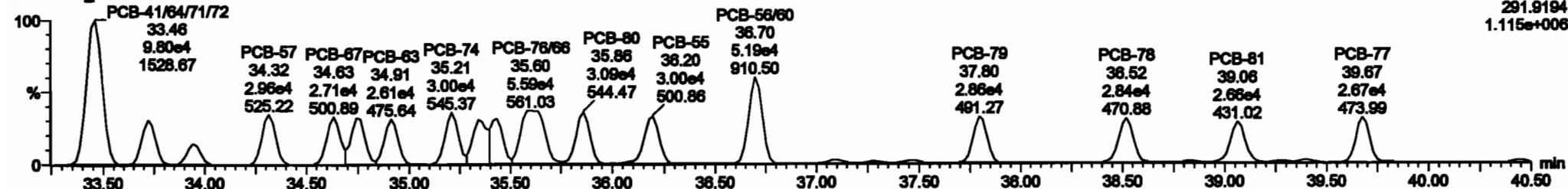
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**PCB-68**

200601K1\_3

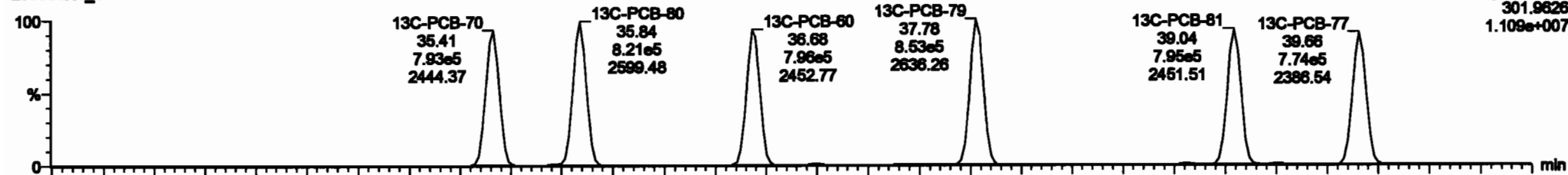


200601K1\_3

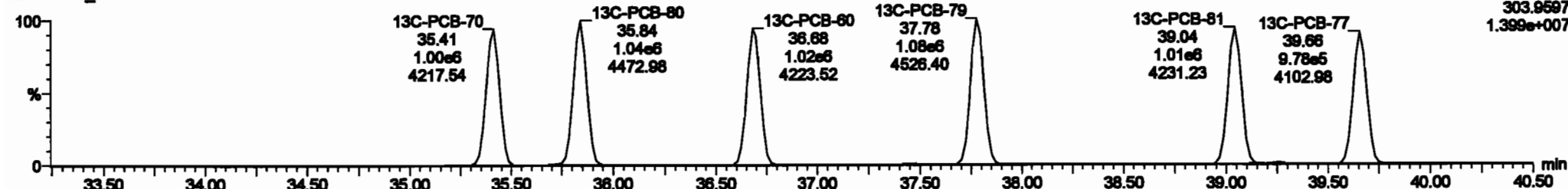


**13C-PCB-60**

200601K1\_3

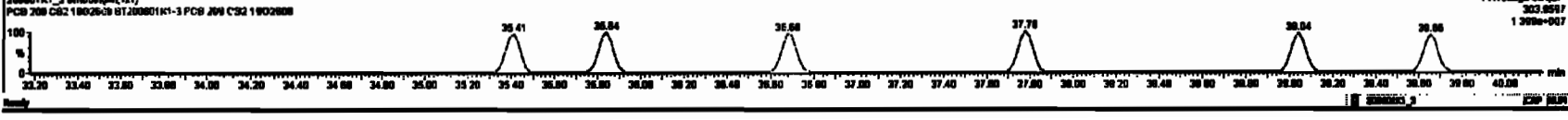
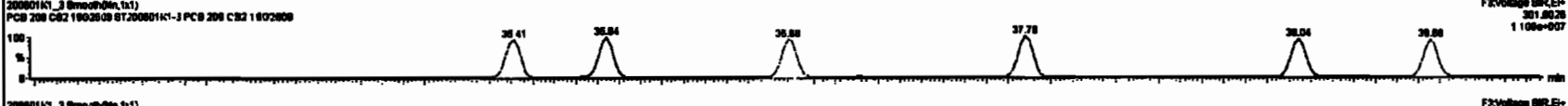
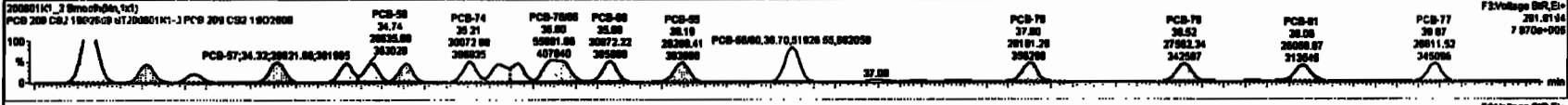
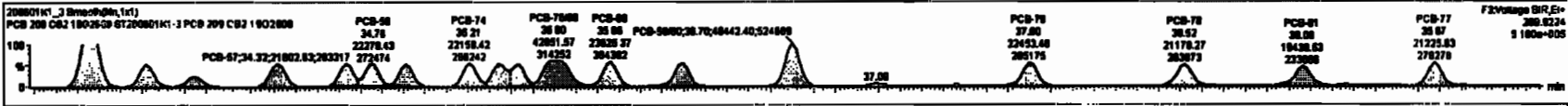


200601K1\_3



#	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	Area	Area
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	2.6580	2.6516
36	PCB-87	31.30	31.30	1.050e4	4.070e4	0.770	0.78	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-49B	31.88	31.88	3.020e4	7.880e4	0.770	0.76	MD	4.8820	4.8818



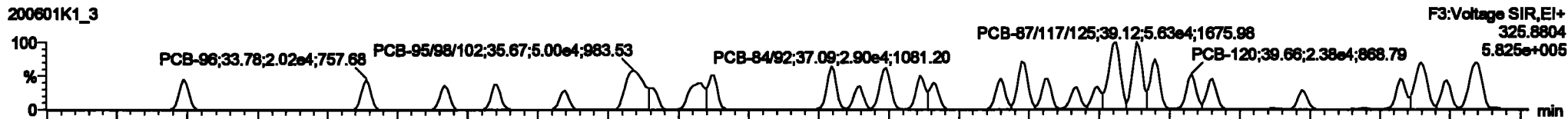
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

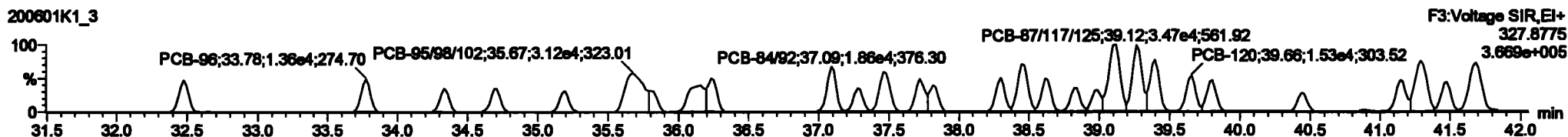
**PCB-104**

200601K1\_3



F3:Voltage SIR,EI+  
325.8804  
5.825e+005

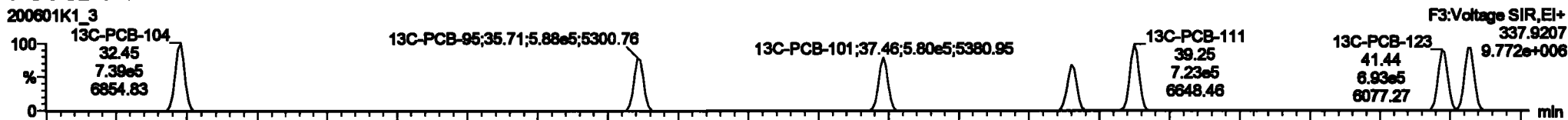
200601K1\_3



F3:Voltage SIR,EI+  
327.8775  
3.669e+005

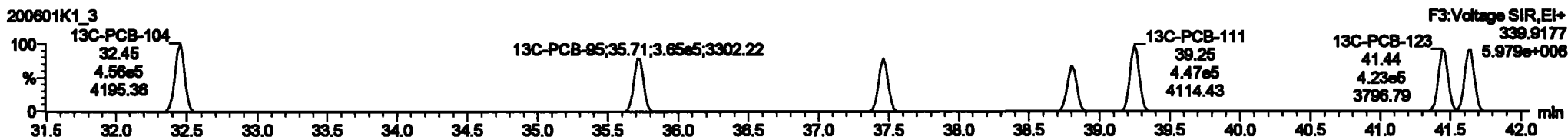
**13C-PCB-104**

200601K1\_3



F3:Voltage SIR,EI+  
337.9207  
9.772e+006

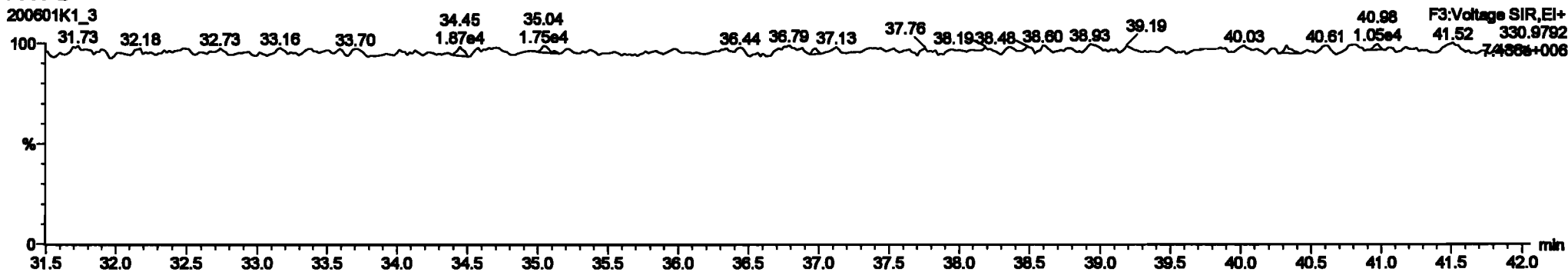
200601K1\_3



F3:Voltage SIR,EI+  
339.9177  
5.979e+006

**PFK3b**

200601K1\_3



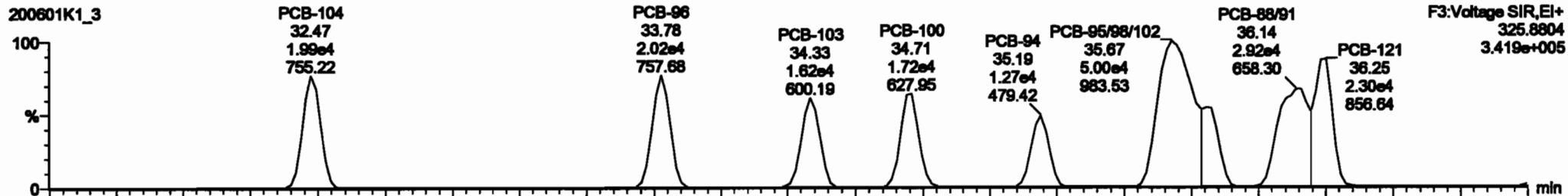
F3:Voltage SIR,EI+  
330.9792  
7.498e+006

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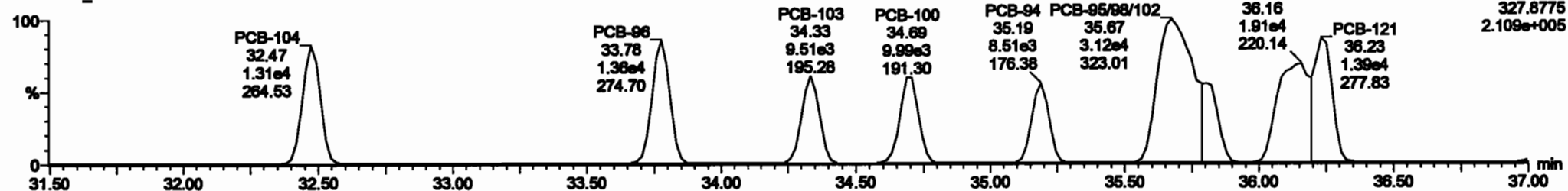
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Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

PCB-96



200601K1\_3



13C-PCB-95



200601K1\_3





Dataset: Untitled

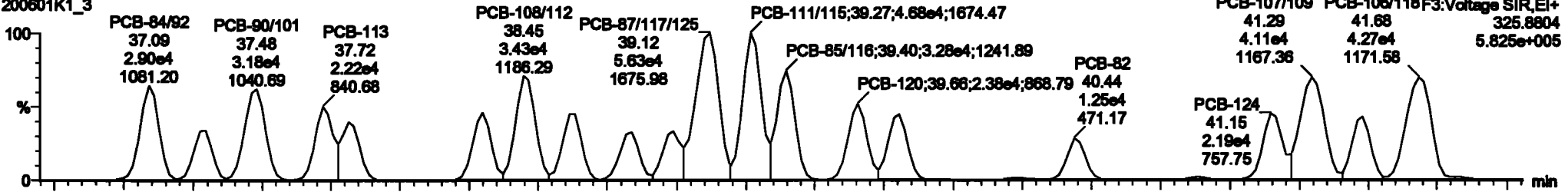
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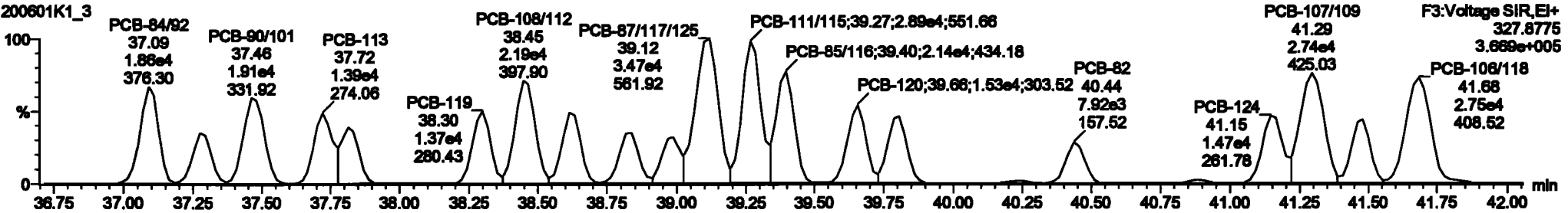
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PCB-119

200601K1\_3

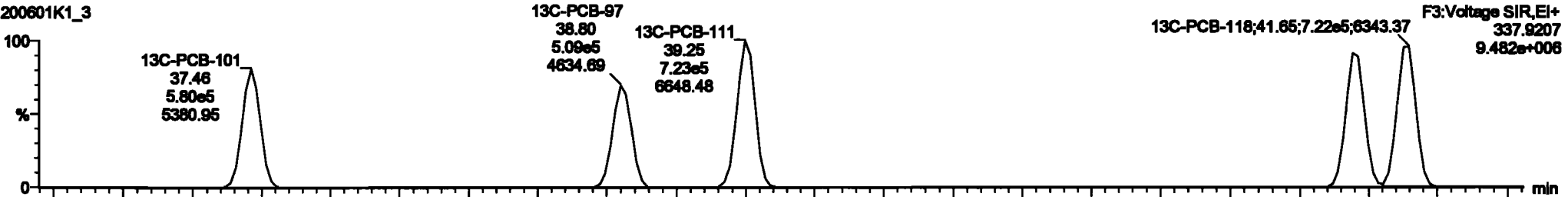


200601K1\_3

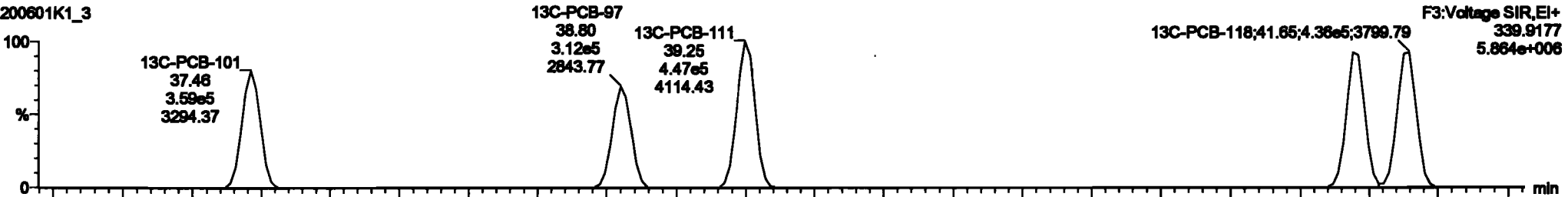


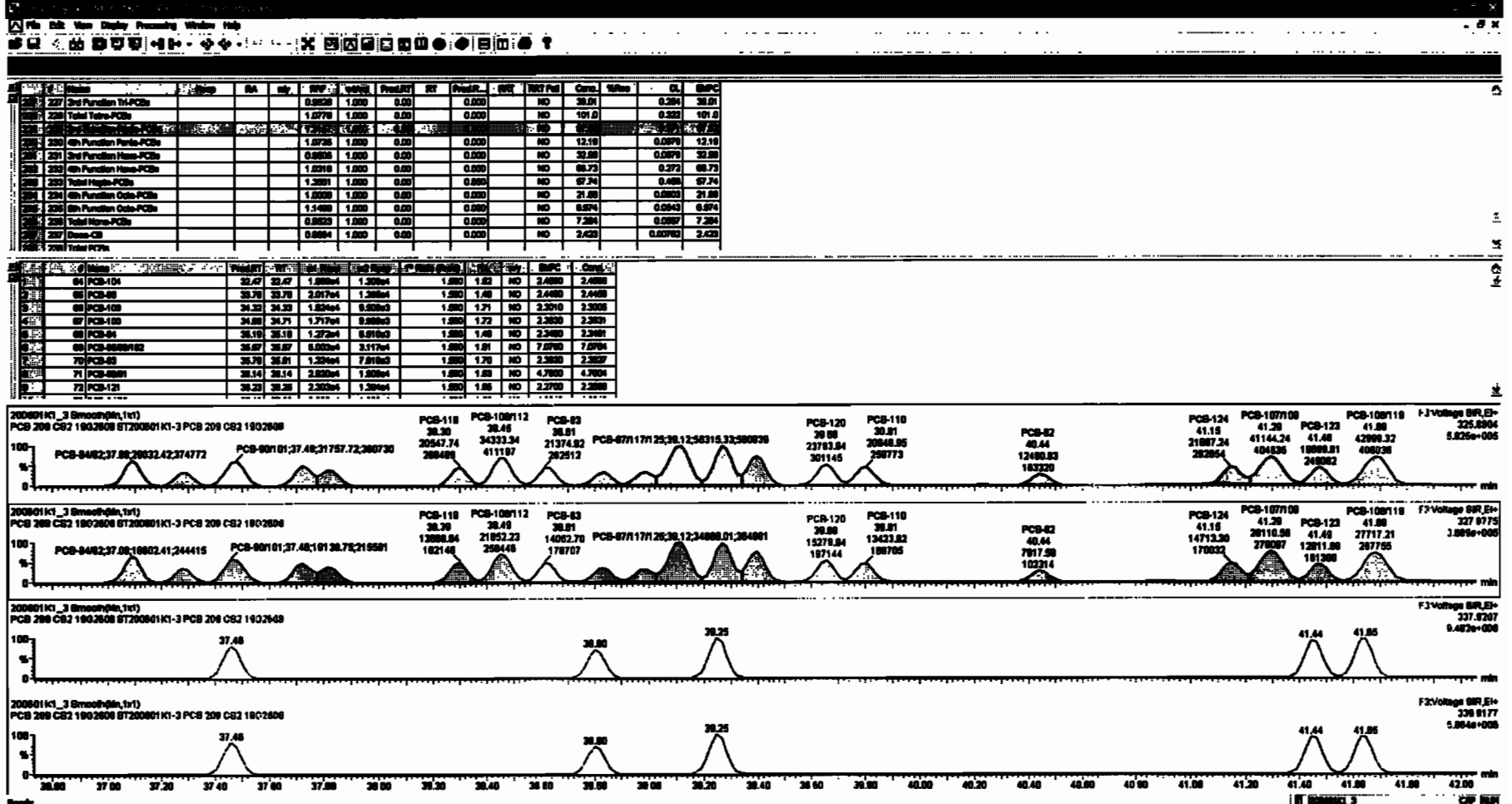
13C-PCB-111

200601K1\_3



200601K1\_3



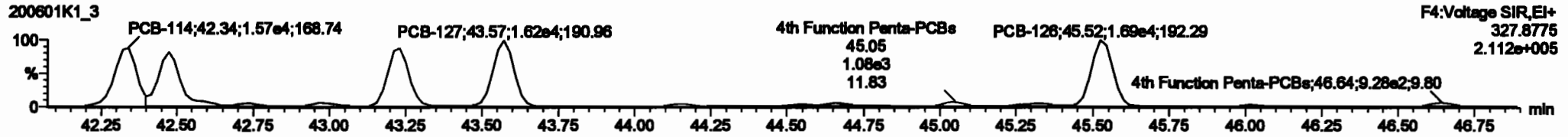
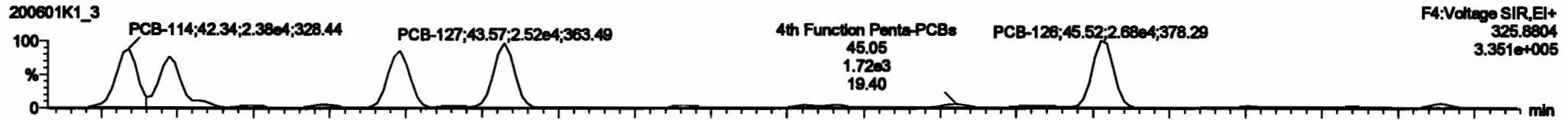


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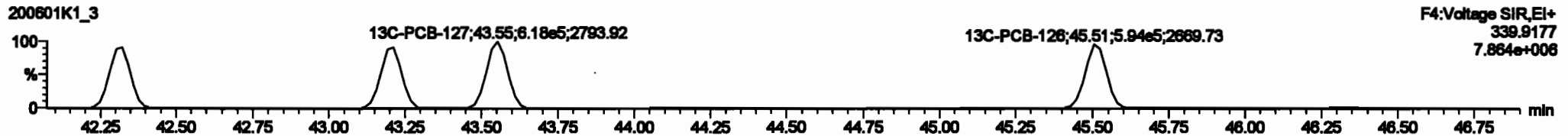
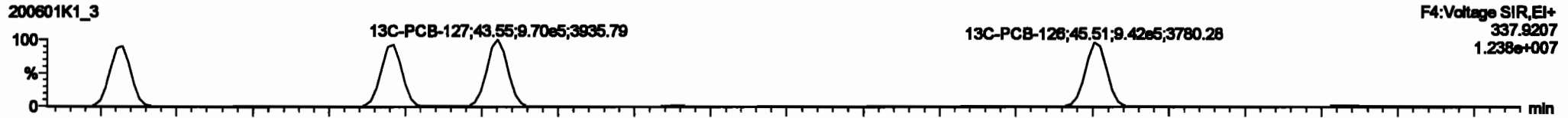
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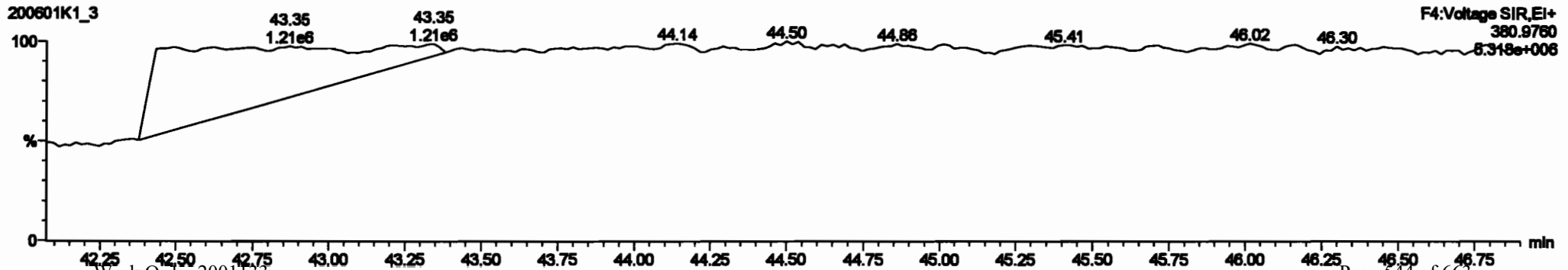
**PCB-114**



**13C-PCB-114**

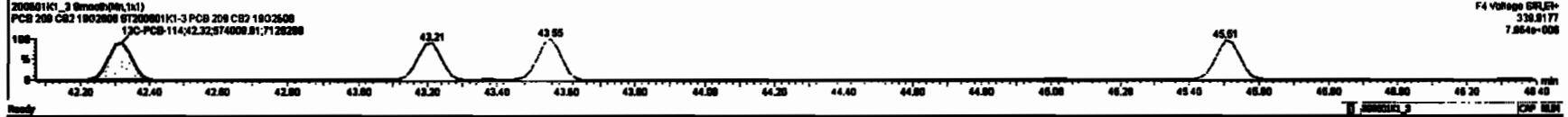
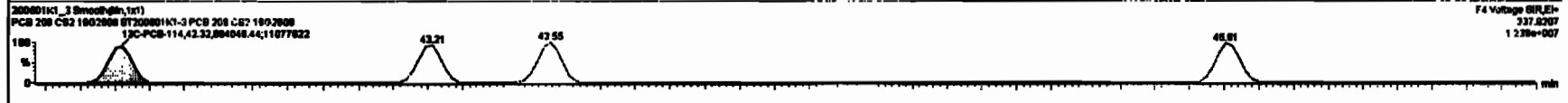
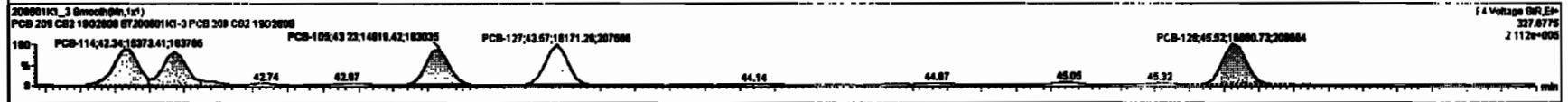
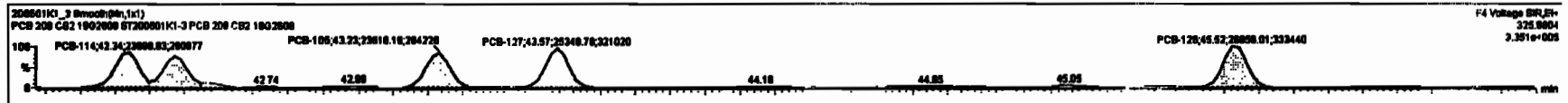


**PFK4a**



#	Name	Range	RA	dy	RF	Initial	ProdRT	RT	ProdR	RFY	ProdF	Chm	SPM	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	66.73			0.272	66.73	
233	Total Hepta-PCBs				1.2091	1.000	0.00	0.000	NO	67.74			0.406	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	RFY	ProdF	Chm	SPM	SL	BPFC
80	PCB-114	42.34	42.34	2.370e4	1.000e4	1.000	1.04	NO	2.320	2.320
84	PCB-122	42.48	42.47	2.122e4	1.370e4	1.000	1.04	NO	2.020	2.020
86	PCB-105	43.20	43.20	2.382e4	1.600e4	1.000	1.00	NO	2.400	2.400
88	PCB-127	43.67	43.67	2.000e4	1.017e4	1.000	1.07	NO	2.000	2.000
89	PCB-126	45.52	45.52	2.000e4	1.000e4	1.000	1.01	NO	2.010	2.010



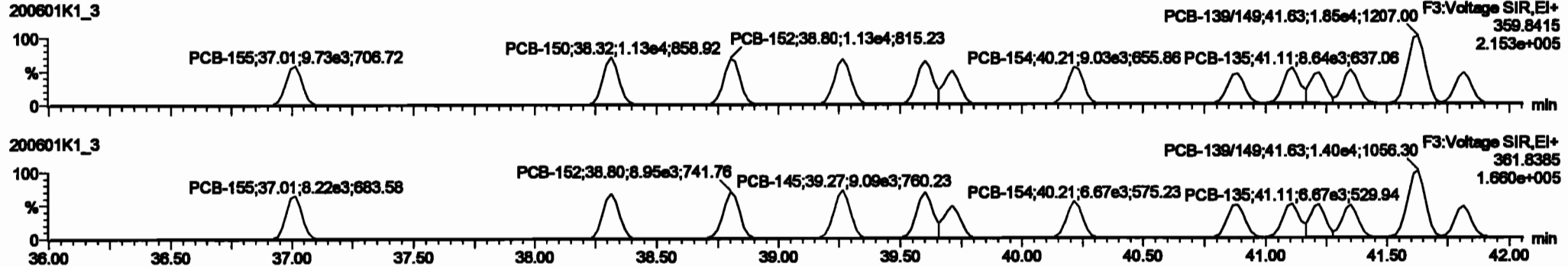
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

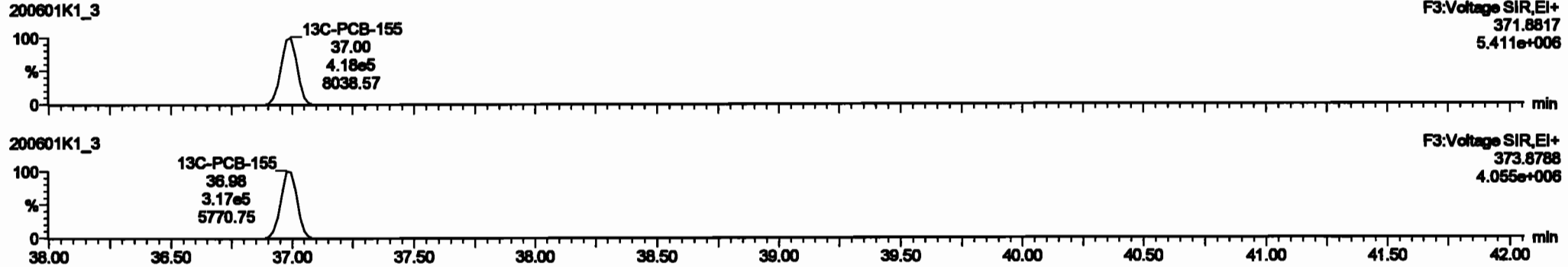
**PCB-155**

200601K1\_3



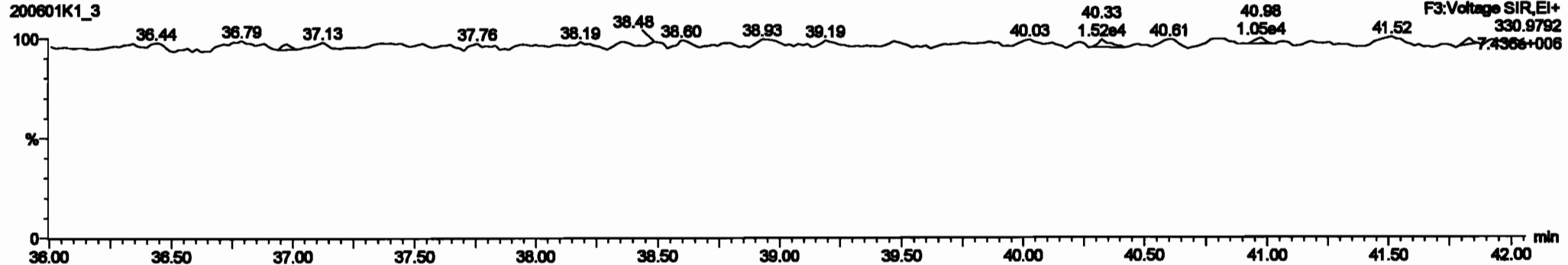
**13C-PCB-155**

200601K1\_3



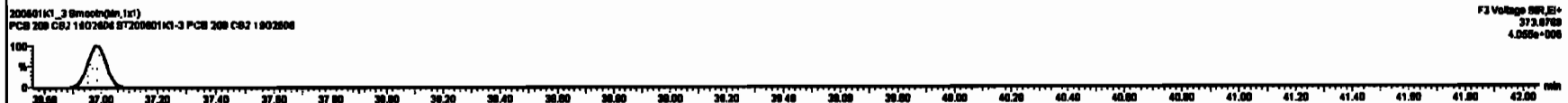
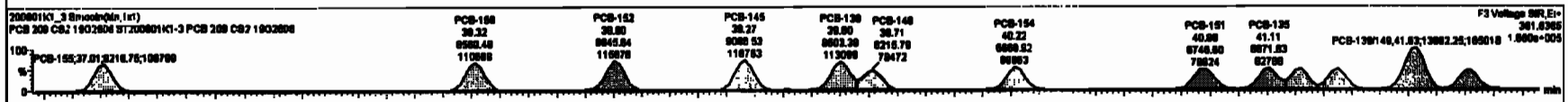
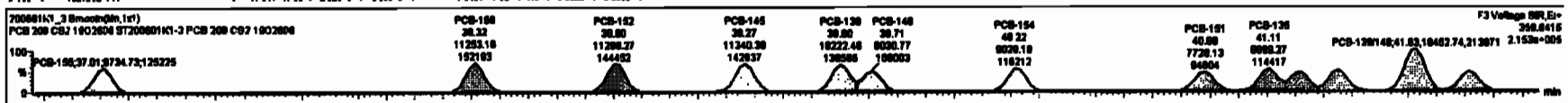
**PFK3c**

200601K1\_3



#	Name	Resp	RA	inj	RRP	colVol	FlowRate	RT	PresID	SWT	WWT (ml)	Comp. S/Res	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	2nd Puriton Hexa-PCBs				1.0736	1.000	0.00	0.000		NO	12.18	0.0870	12.18
231	2nd Puriton Hepta-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 Hexa-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	col Resp	F <sup>2</sup> Ratio (Peak)	RA	inj	RRP	Comp.
1	100 PCB-158	37.01	37.01	0.720e3	0.217e3	1.240	1.18	NO	2.3300	2.3300
2	100 PCB-160	38.30	38.32	1.120e4	0.000e0	1.240	1.32	NO	2.4800	2.4800
3	100 PCB-162	38.80	38.80	1.120e4	0.000e0	1.240	1.28	NO	2.3100	2.3170
4	101 PCB-148	38.20	38.27	1.120e4	0.007e0	1.240	1.26	NO	2.3200	2.3280
5	100 PCB-138	38.80	38.80	1.000e4	0.000e0	1.240	1.20	NO	2.4000	2.4000
6	100 PCB-140	38.72	38.71	0.001e3	0.210e0	1.240	1.28	NO	2.3010	2.3007
7	104 PCB-164	40.20	40.22	0.000e3	0.000e0	1.240	1.38	NO	2.3220	2.3217
8	100 PCB-161	40.80	40.80	7.720e3	0.247e0	1.240	1.14	NO	2.0010	2.0012
9	100 PCB-135	41.12	41.11	0.000e0	0.072e0	1.240	1.20	NO	2.2800	2.2806

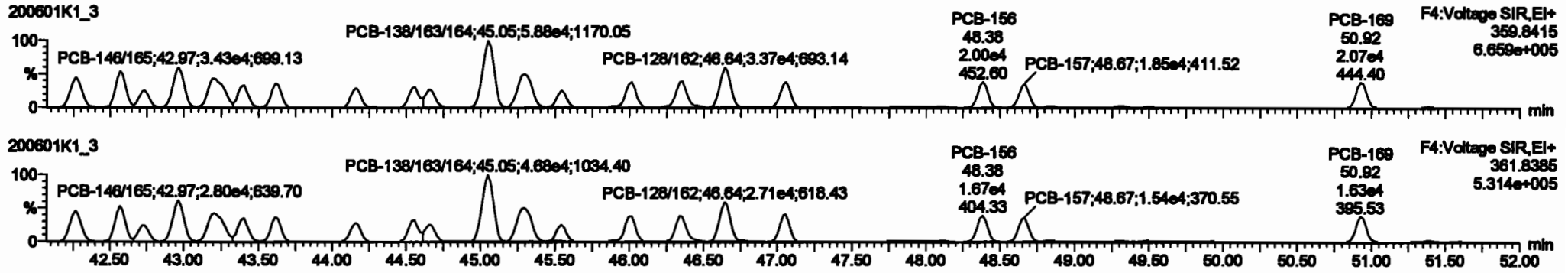


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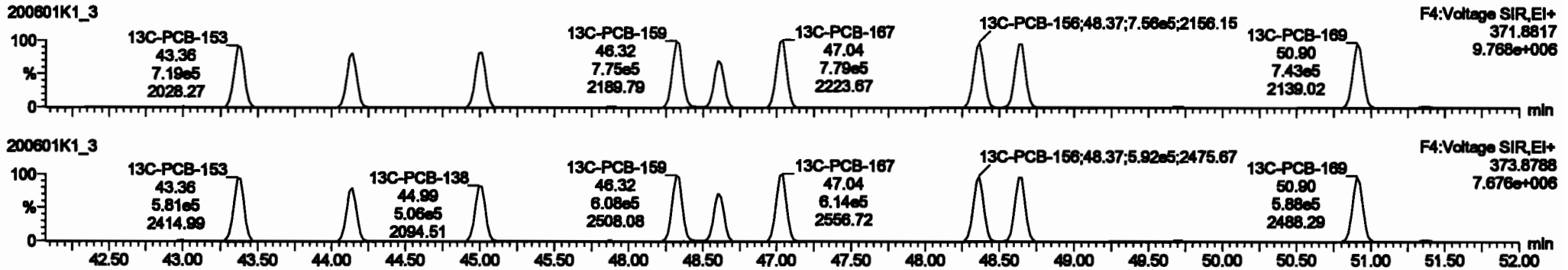
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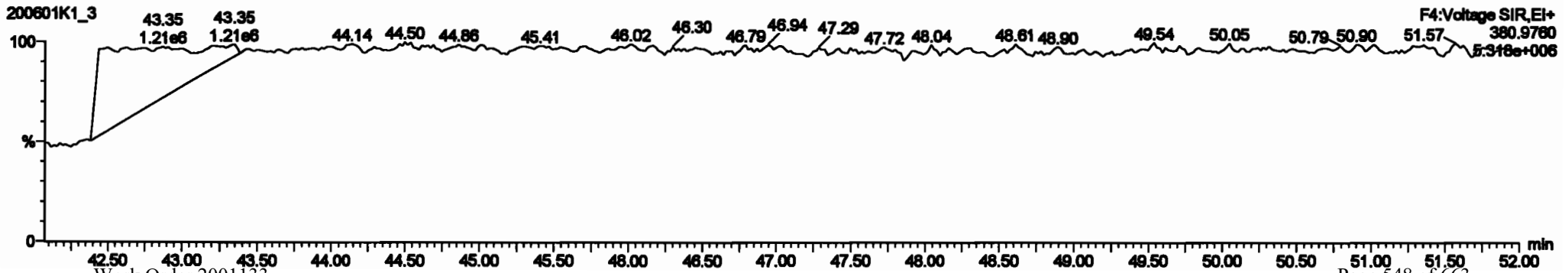
PCB-134/143



13C-PCB-153



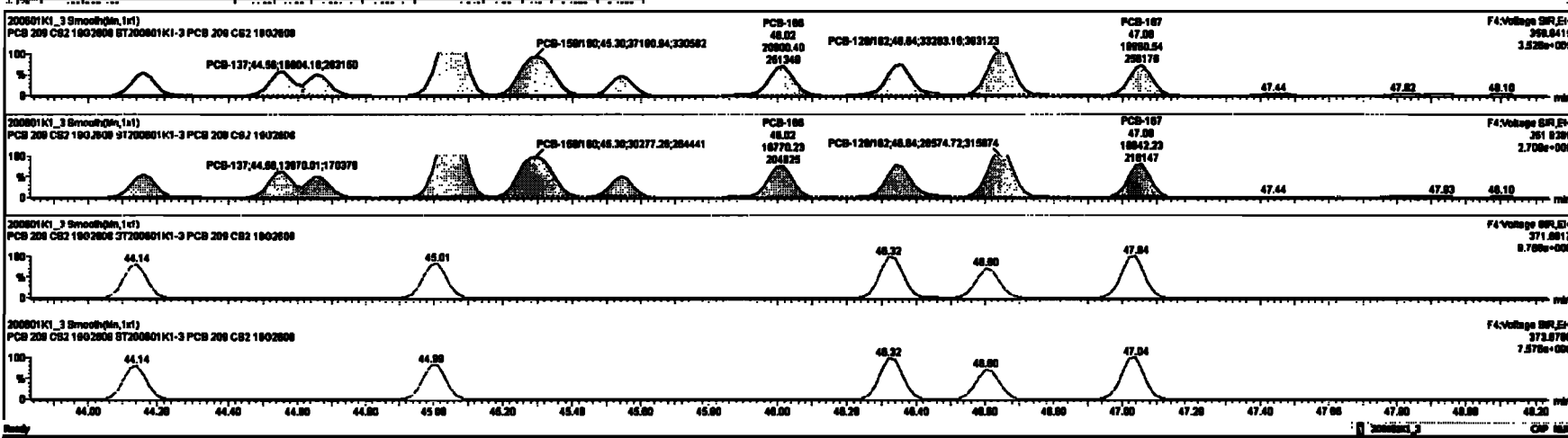
PFK4b





#	Comp	Flow	SA	Qty	Unit	Prod	OT	Prod.R.	OT	Prod.P	OT	Prod.P	OT	Prod.P	OT	Prod.P	OT	Prod.P	OT
227	2nd Function In-PCBs					0.000	1.000	0.00	0.000	NO	38.01	0.284	38.01						
228	Total Tetro-PCBs					1.0778	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	87.82	0.271	87.82						
230	4th Function Penta-PCBs					1.0726	1.000	0.00	0.000	NO	12.18	0.0879	12.18						
231	3rd Function Hexa-PCBs					0.0000	1.000	0.00	0.000	NO	32.89	0.0879	32.89						
232	Total Hexa-PCBs					1.0000	1.000	0.00	0.000	NO	65.74	0.488	65.74						
233	Total Hepta-PCBs					1.2891	1.000	0.00	0.000	NO	87.74	0.488	87.74						
234	4th Function Octa-PCBs					1.0000	1.000	0.00	0.000	NO	21.89	0.0880	21.89						
235	5th Function Octa-PCBs					1.1488	1.000	0.00	0.000	NO	8.874	0.0843	8.874						
236	Total Nona-PCBs					0.0000	1.000	0.00	0.000	NO	7.284	0.0887	7.284						
237	Deca-PCBs					0.0004	1.000	0.00	0.000	NO	2.423	0.0878	2.423						
238	Total NPA																		

#	Comp	Flow	SA	Qty	Unit	Prod	OT	Prod.R.	OT	Prod.P	OT	Prod.P	OT	Prod.P	OT	Prod.P	OT	Prod.P	OT
111	PCB-134A43					42.28	42.28	2.632e4	2.491e4	1.240	1.28	NO	4.6370	4.6368					
112	PCB-131A10					42.88	42.87	2.847e4	2.282e4	1.240	1.28	NO	4.7870	4.7868					
113	PCB-142					42.72	42.74	1.217e4	1.089e4	1.240	1.28	NO	2.4220	2.4218					
114	PCB-148A05					42.87	42.87	3.428e4	2.884e4	1.240	1.22	NO	4.7180	4.7180					
115	PCB-132A01					43.20	43.18	3.813e4	2.738e4	1.240	1.28	NO	4.8890	4.8893					
116	PCB-163					43.38	43.40	1.777e4	1.818e4	1.240	1.18	NO	2.3880	2.3890					
117	PCB-168					43.81	43.81	1.888e4	1.822e4	1.240	1.28	NO	2.4180	2.4178					
118	PCB-141					44.18	44.18	1.488e4	1.228e4	1.240	1.28	NO	2.4080	2.4084					
119	PCB-137					44.80	44.88	1.888e4	1.388e4	1.240	1.18	NO	2.8870	2.8888					



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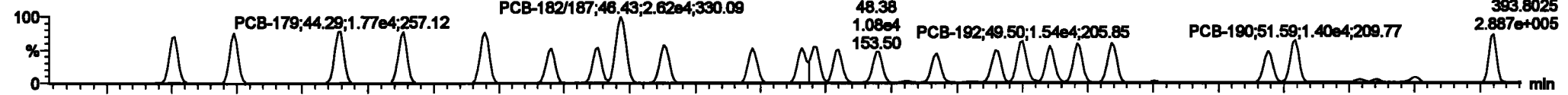
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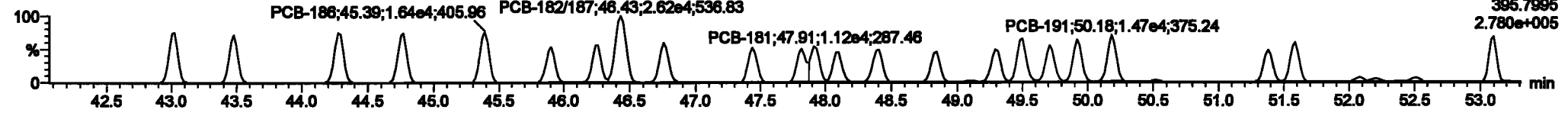
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**PCB-188**

200601K1\_3

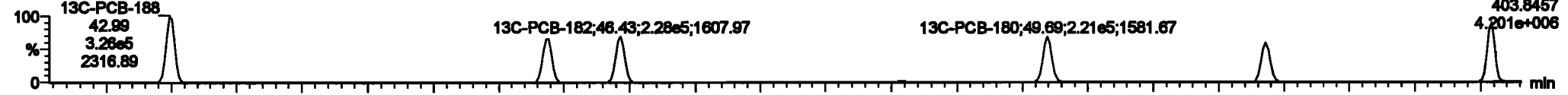


200601K1\_3

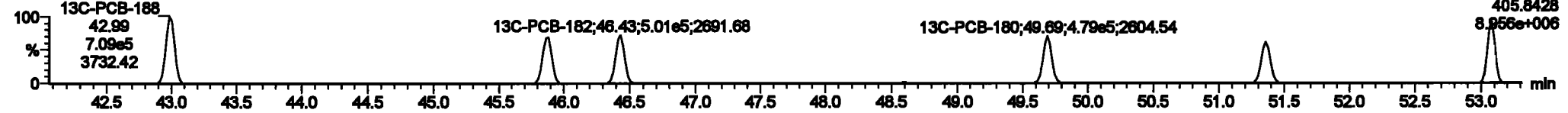


**13C-PCB-188**

200601K1\_3

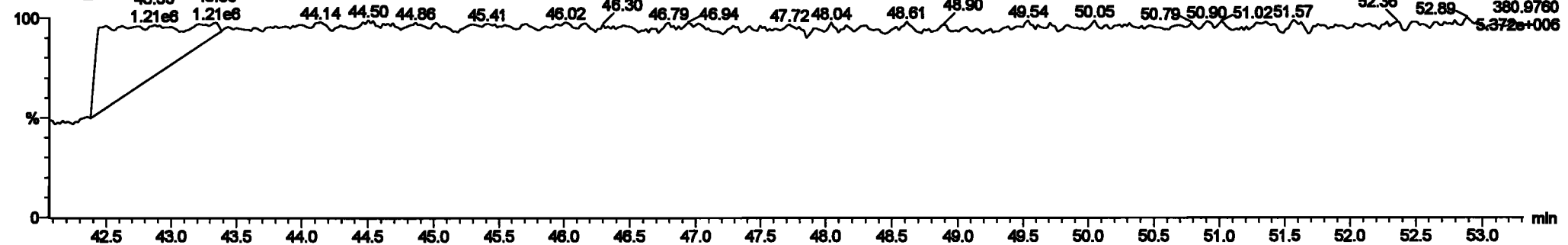


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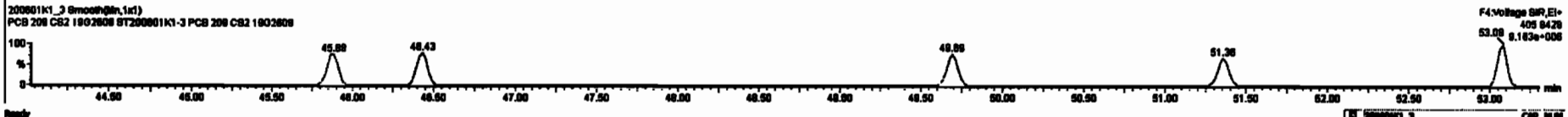
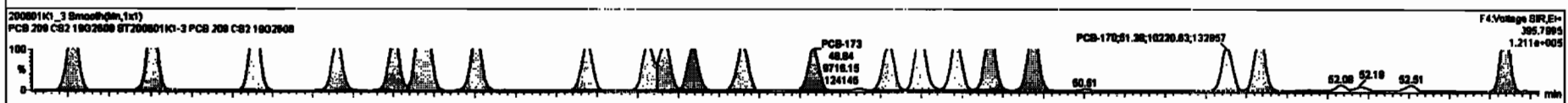
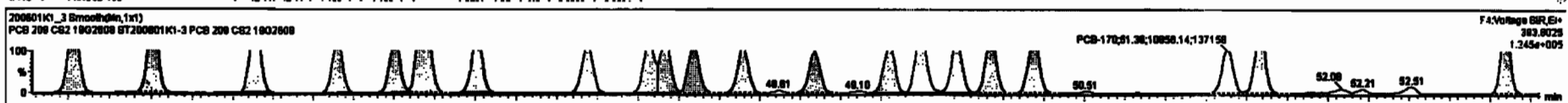
**PFK4c**

200601K1\_3



#	Name	Reqd	RA	Qty	Cost	Volume	Prod.RT	RT	Pres.R	Spec.	RTY Fed	Comp.	%Res	DL	EMPC
227	227 3rd Function IM-PCBs				0.0028	1,000	0.00	0.000	0.000	NO		38.01		0.284	38.01
228	228 Total Tetro-PCBs				1.0778	1,000	0.00	0.000	0.000	NO		101.0		0.332	101.0
229	229 3rd Function Penta-PCBs				1.3167	1,000	0.00	0.000	0.000	NO		87.82		0.571	87.82
230	230 6th Function Penta-PCBs				1.0725	1,000	0.00	0.000	0.000	NO		12.18		0.0878	12.18
231	231 3rd Function Hexa-PCBs				0.0025	1,000	0.00	0.000	0.000	NO		32.88		0.0878	32.88
232	232 6th Function Hexa-PCBs				1.0316	1,000	0.00	0.000	0.000	NO		88.72		0.272	88.72
233	233 Total Hexa-PCBs				1.0341	1,000	0.00	0.000	0.000	NO		87.24		0.272	87.24
234	234 6th Function Octa-PCBs				1.0008	1,000	0.00	0.000	0.000	NO		21.88		0.0803	21.88
235	235 6th Function Octa-PCBs				1.1488	1,000	0.00	0.000	0.000	NO		6.974		0.0843	6.974
236	236 Total Hexa-PCBs				0.0023	1,000	0.00	0.000	0.000	NO		7.284		0.0887	7.284
237	237 Deca-Cl				0.0884	1,000	0.00	0.000	0.000	NO		2.423		0.0884	2.423
238	238 Total PCBs														

#	Name	Pres.RT	RT	Std Range	Std Range	Y Rate (ppm)	Y Rate (ppm)	EMPC	Comp.	
1	131 PCB-188	43.02	43.02	1.817e4	1.889e4	1.000	0.97	NO	2.4800	2.4887
2	132 PCB-184	43.47	43.48	1.863e4	1.820e4	1.000	1.08	NO	2.4870	2.4888
3	133 PCB-178	44.27	44.28	1.773e4	1.818e4	1.000	1.10	NO	2.5240	2.6238
4	134 PCB-176	44.70	44.77	1.708e4	1.803e4	1.000	1.07	NO	2.4420	2.4434
5	135 PCB-168	48.28	48.28	1.790e4	1.844e4	1.000	1.07	NO	2.4870	2.4870
6	136 PCB-170	48.80	48.80	1.171e4	1.142e4	1.000	1.02	NO	2.3880	2.3880
7	137 PCB-175	48.24	48.28	1.223e4	1.228e4	1.000	1.00	NO	2.4740	2.4738
8	138 PCB-182/187	48.42	48.43	2.811e4	2.824e4	1.000	1.00	NO	4.7440	4.7445
9	139 PCB-183	48.78	48.78	1.329e4	1.284e4	1.000	1.02	NO	2.4780	2.4748

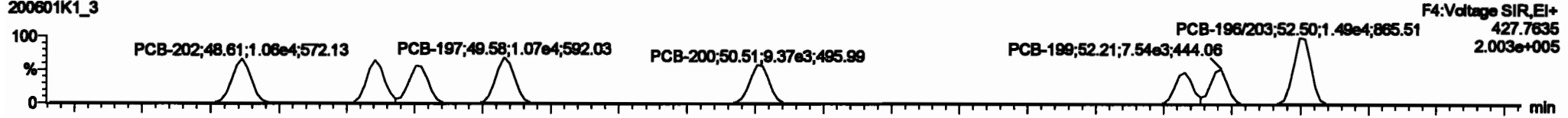


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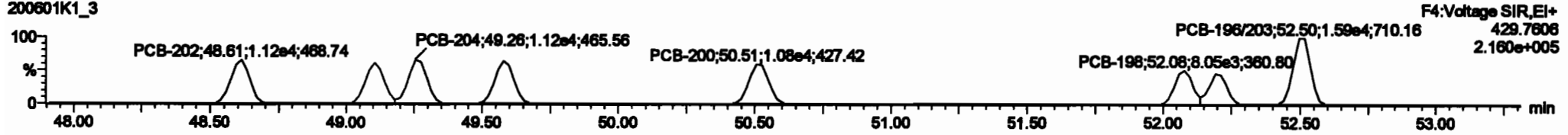
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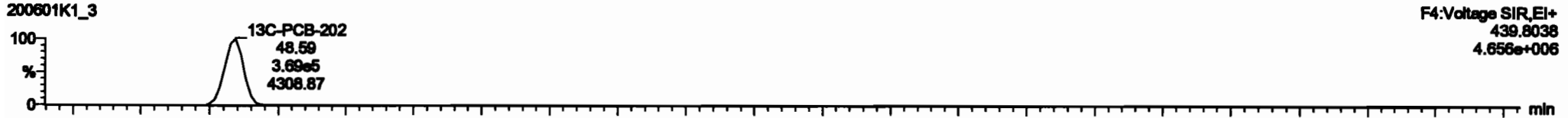
PCB-202  
200601K1\_3



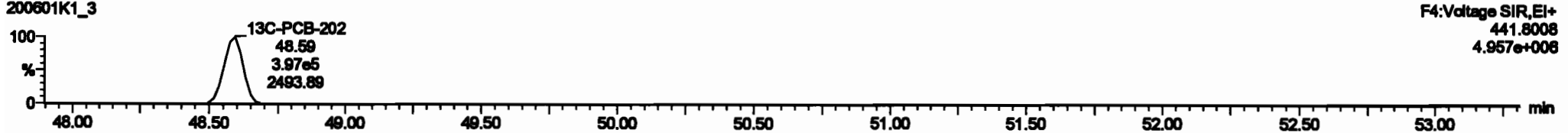
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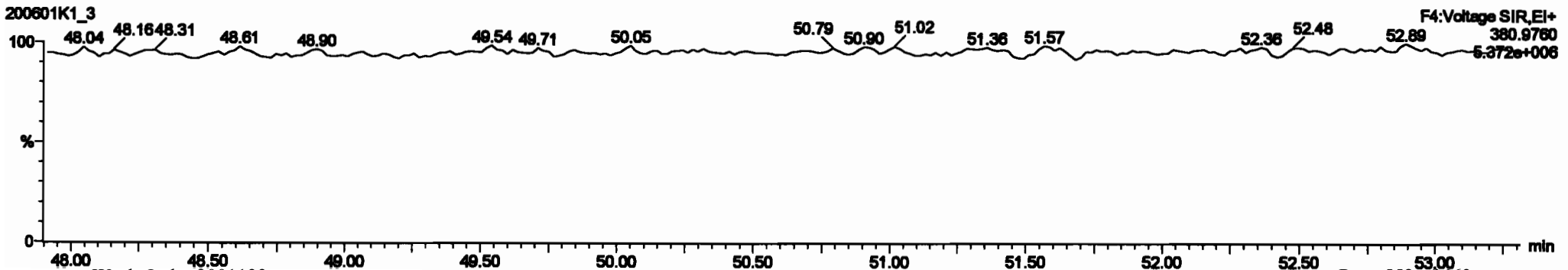
13C-PCB-202



200601K1\_3

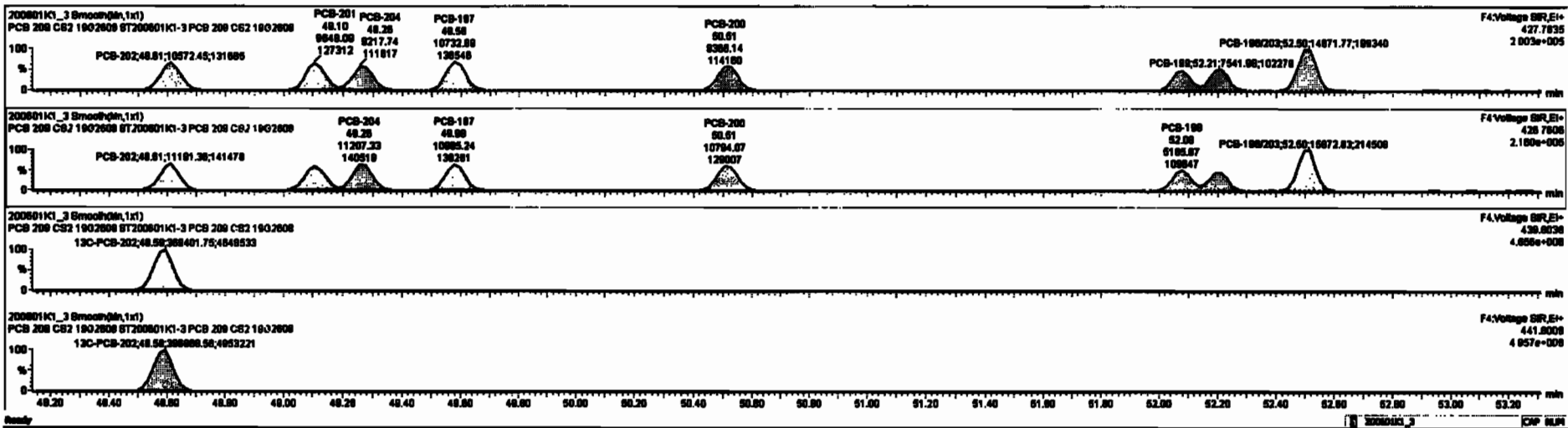


PFK4d



#	Name	RA	nly	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
227	2nd Function TM-PCBs			0.0000	1.0000	0.0000	0.0000	0.0000	NO	38.01	0.284	38.01						
228	Total Yolo-PCBs			1.0776	1.0000	0.0000	0.0000	0.0000	NO	101.0	0.322	101.0						
229	2nd Function Penta-PCBs			1.3167	1.0000	0.0000	0.0000	0.0000	NO	97.82	0.371	97.82						
230	4th Function Penta-PCBs			1.0795	1.0000	0.0000	0.0000	0.0000	NO	12.18	0.0070	12.18						
231	2nd Function Hexa-PCBs			0.0000	1.0000	0.0000	0.0000	0.0000	NO	32.80	0.0070	32.80						
232	4th Function Hexa-PCBs			1.0318	1.0000	0.0000	0.0000	0.0000	NO	88.73	0.272	88.73						
233	Total Hexa-PCBs			1.3881	1.0000	0.0000	0.0000	0.0000	NO	57.74	0.488	57.74						
234	2nd Function Octa-PCBs			1.0000	1.0000	0.0000	0.0000	0.0000	NO	31.88	0.0000	31.88						
235	8th Function Octa-PCBs			1.4488	1.0000	0.0000	0.0000	0.0000	NO	8.974	0.0043	8.974						
236	Total Octa-PCBs			0.0000	1.0000	0.0000	0.0000	0.0000	NO	7.264	0.0007	7.264						
237	237 Desc-CD			0.0004	1.0000	0.0000	0.0000	0.0000	NO	2.423	0.0070	2.423						
238	238 Total PCBs																	

#	Name	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
164	PCB-202	48.83	48.81	1.000e4	1.118e4	0.000	0.94	NO	2.4310	2.4312								
165	PCB-201	48.10	48.10	8.848e3	1.020e4	0.000	0.94	NO	2.4710	2.4712								
166	PCB-204	48.28	48.28	8.218e3	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	2.4816	2.4808								
168	PCB-200	50.81	50.81	8.388e3	1.070e4	0.000	0.87	NO	2.4880	2.4881								
169	PCB-188	52.88	52.88	8.800e3	8.188e3	0.000	0.88	NO	2.4770	2.4772								
170	PCB-189	52.18	52.21	7.840e3	7.828e3	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								



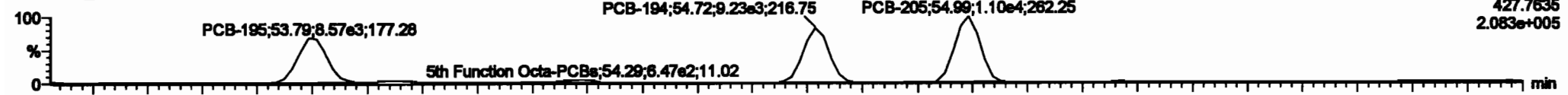
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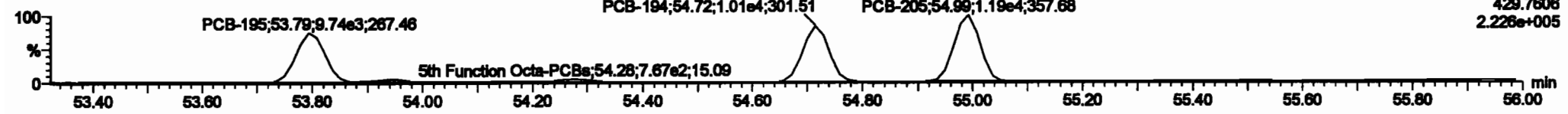
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PCB-195

200801K1\_3

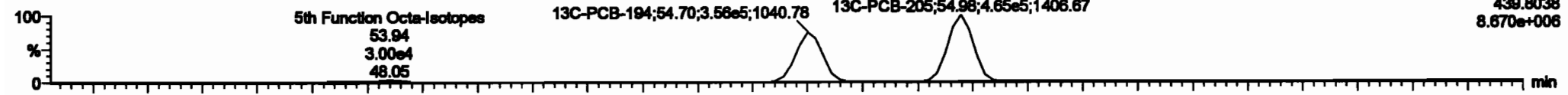


200801K1\_3

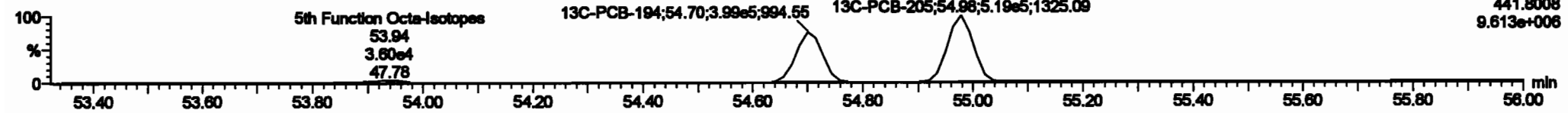


13C-PCB-194

200801K1\_3

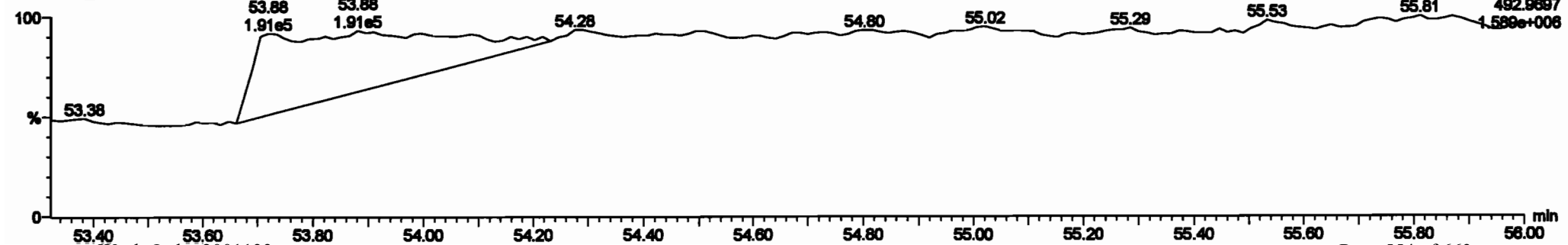


200801K1\_3



PFK5a

200801K1\_3



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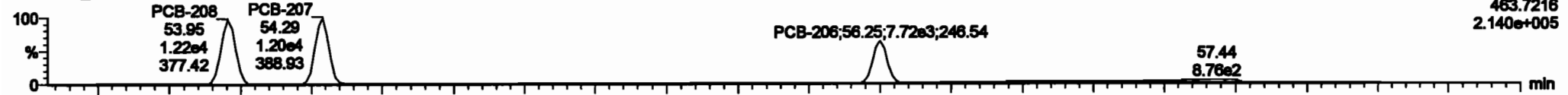
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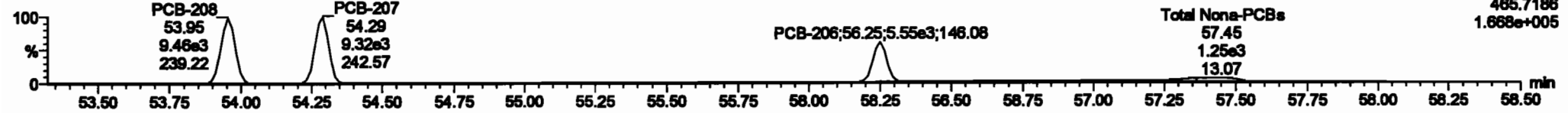
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PCB-208

200601K1\_3

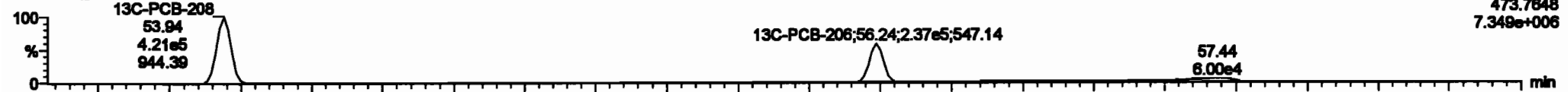


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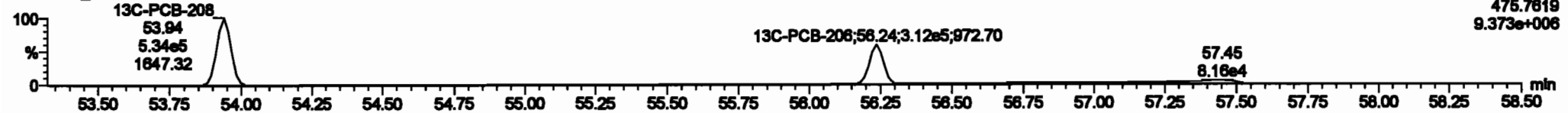


13C-PCB-208

200601K1\_3

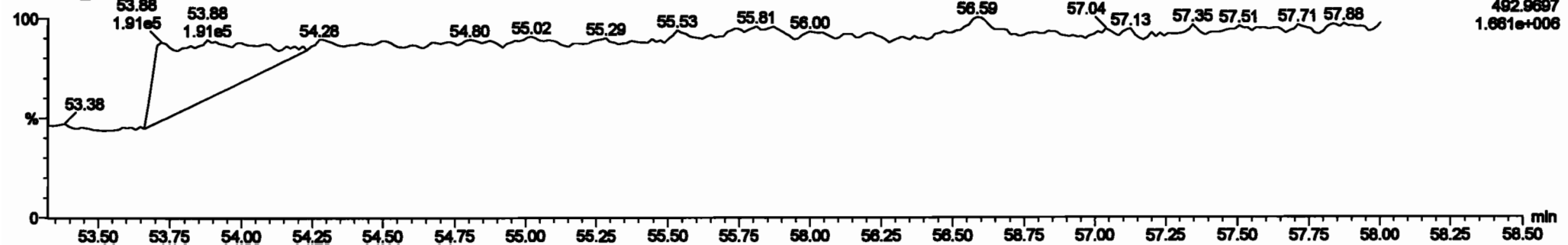


200601K1\_3



PFK5

200601K1\_3





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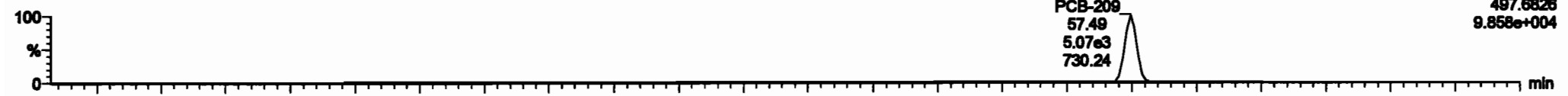
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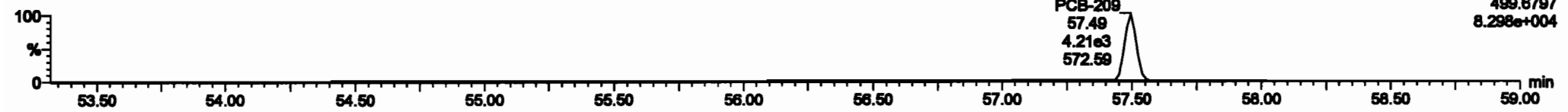
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**PCB-209**

200601K1\_3

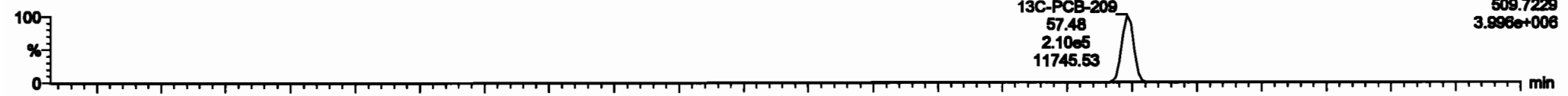


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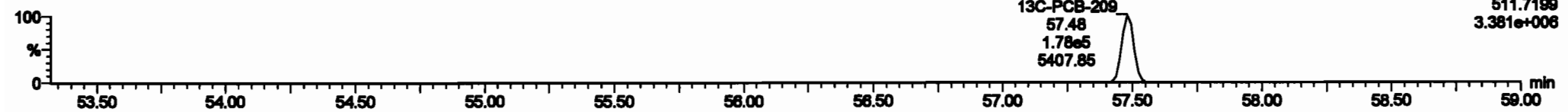


**13C-PCB-209**

200601K1\_3

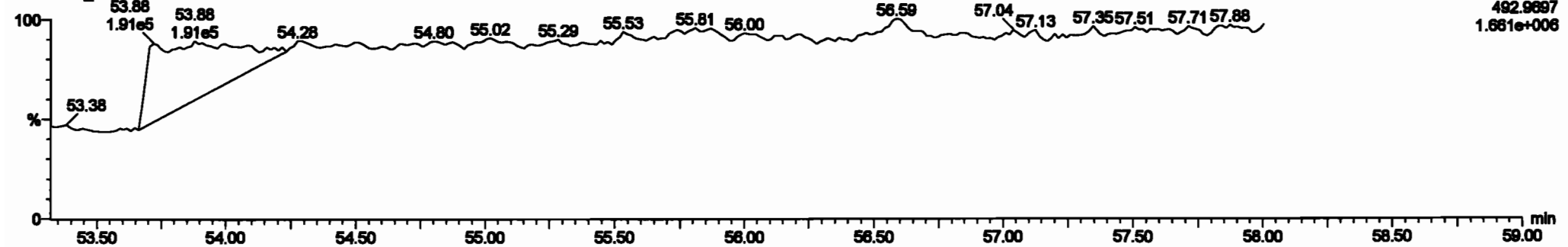


200601K1\_3



**PFK5b**

200601K1\_3



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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

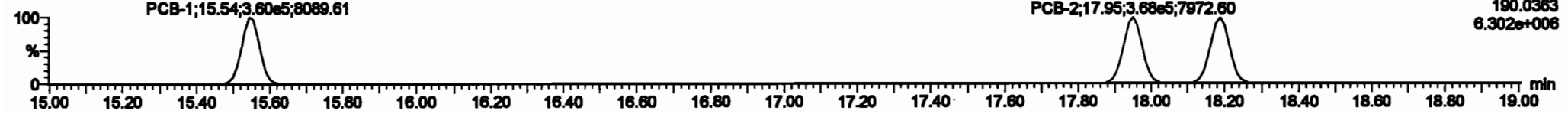
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**PCB-1**

200601K1\_4



200601K1\_4

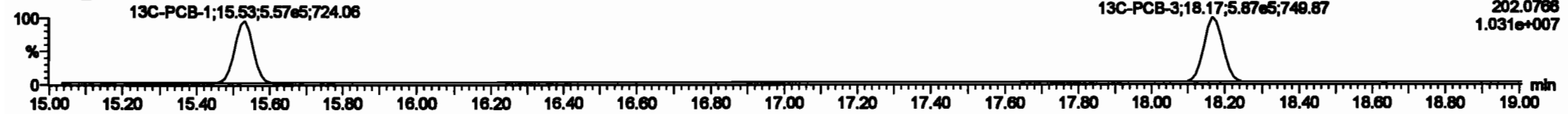


**13C-PCB-1**

200601K1\_4

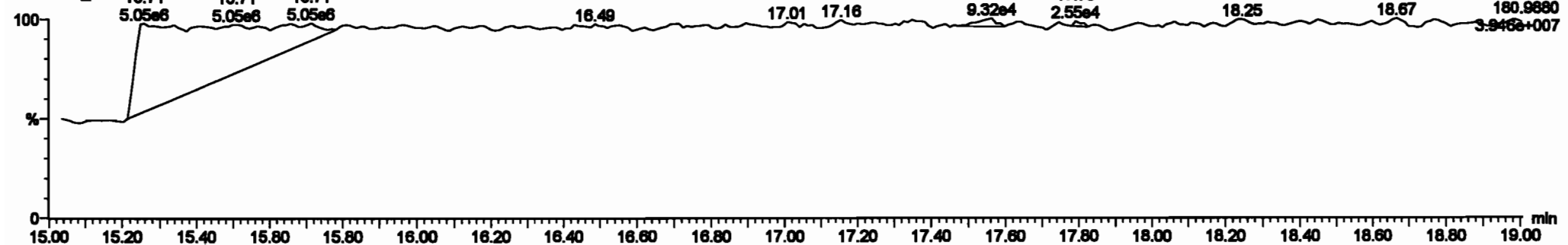


200601K1\_4



**PFK1**

200601K1\_4



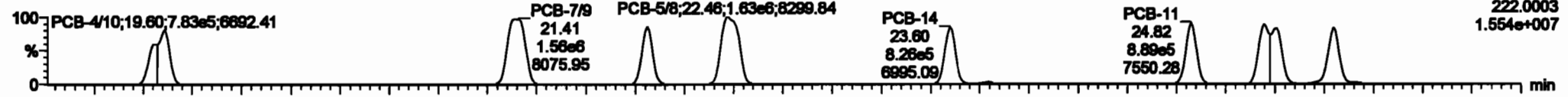
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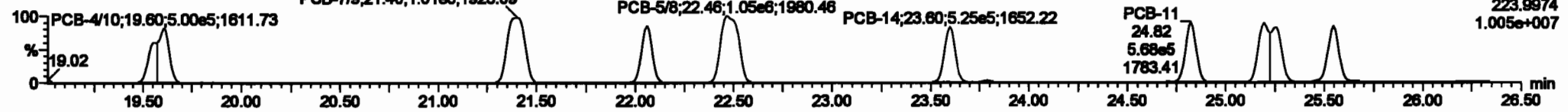
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**PCB-4/10**

200601K1\_4

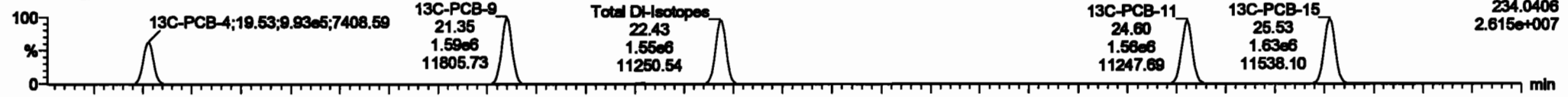


200601K1\_4

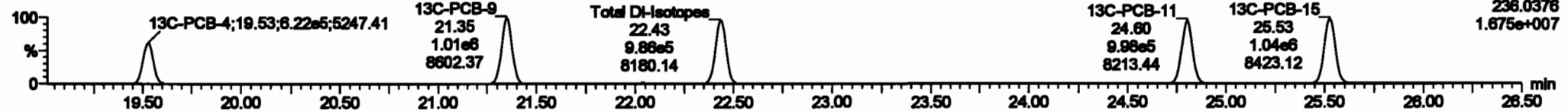


**13C-PCB-4**

200601K1\_4

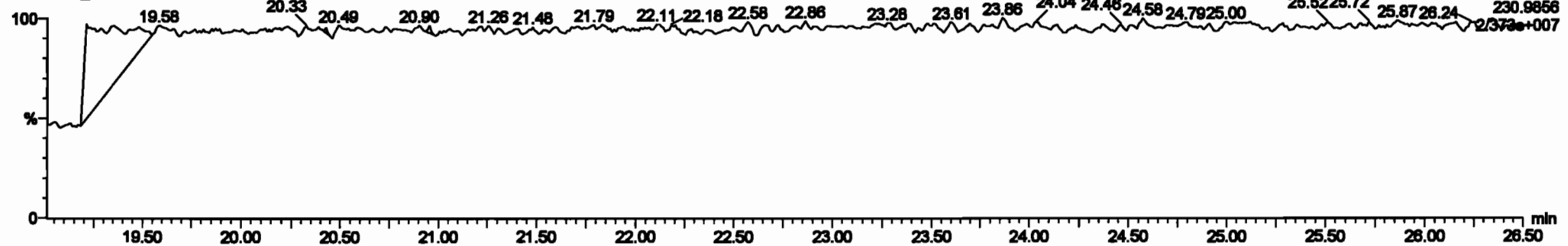


200601K1\_4



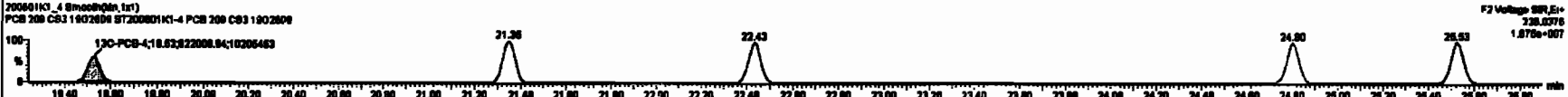
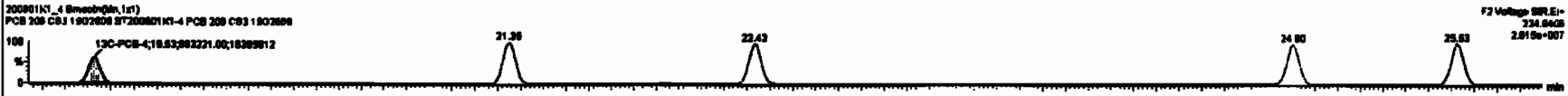
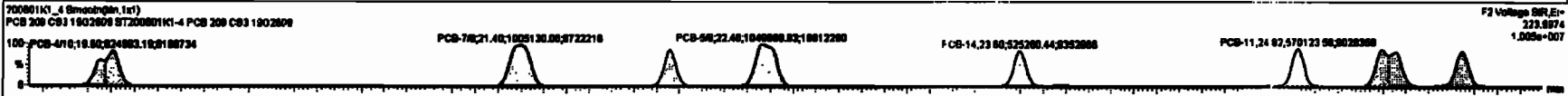
**PFK2a**

200601K1\_4



#	Name	Temp	RA	dy	RF	width	PeakOff	ST	PeakOff	RF	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY
224	Total Mono-PCBs				1.000	0.00	0.000		0.000		ND	100.1	0.000	100.1					
225	Total Mono-PCBs				1.000	0.00	0.000		0.000		ND	100.0	0.000	100.0					
226	2nd Function Tri-PCBs				1.000	0.00	0.000		0.000		ND	412.0	0.000	412.0					
227	2nd Function Tri-PCBs				0.000	0.00	0.000		0.000		ND	018.1	0.000	018.1					
228	Total Tetra-PCBs				1.000	0.00	0.000		0.000		ND	2171	0.000	2171					
229	2nd Function Para-PCBs				1.000	0.00	0.000		0.000		ND	2100	0.000	2100					
230	4th Function Para-PCBs				1.000	0.00	0.000		0.000		ND	201.1	0.000	201.1					
231	2nd Function Hexa-PCBs				0.000	0.00	0.000		0.000		ND	007.0	0.000	007.0					
232	4th Function Hexa-PCBs				1.000	0.00	0.000		0.000		ND	1401	0.000	1401					
233	Total Hepta-PCBs				1.000	0.00	0.000		0.000		ND	1200	0.000	1200					
234	4th Function Octa-PCBs				1.000	0.00	0.000		0.000		ND	448.1	0.000	448.1					
235	2nd Function Octa-PCBs				1.000	0.00	0.000		0.000		ND	100.1	0.000	100.1					

#	Name	Temp	RA	dy	RF	width	PeakOff	ST	PeakOff	RF	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY	RFY
1	PCB-4/8				10.01	10.00	1.200e0	0.200e0	1.000	1.00	ND	100.04	100.00						
2	PCB-7/8				21.41	21.41	1.000e0	1.000e0	1.000	1.00	ND	100.00	100.00						
3	PCB-9				22.00	22.00	0.100e0	0.200e0	1.000	1.00	ND	00.00	00.00						
4	PCB-14				22.40	22.40	1.000e0	1.000e0	1.000	1.00	ND	100.00	100.00						
5	PCB-11				23.01	23.00	0.200e0	0.200e0	1.000	1.00	ND	01.00	01.00						
6	PCB-11				24.02	24.02	0.001e0	0.001e0	1.000	1.00	ND	00.00	00.00						
7	PCB-12/13				25.25	25.25	1.000e0	1.000e0	1.000	1.00	ND	100.00	100.00						
8	PCB-10				25.07	25.05	0.000e0	0.000e0	1.000	1.00	ND	00.00	00.00						

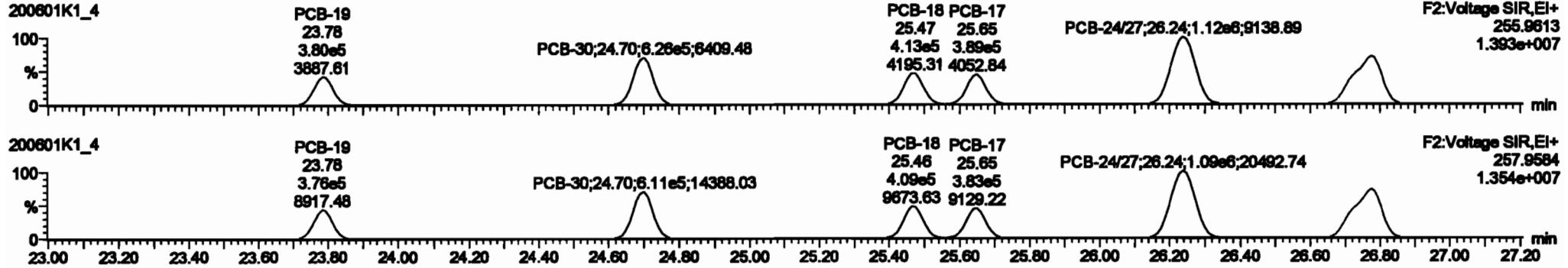


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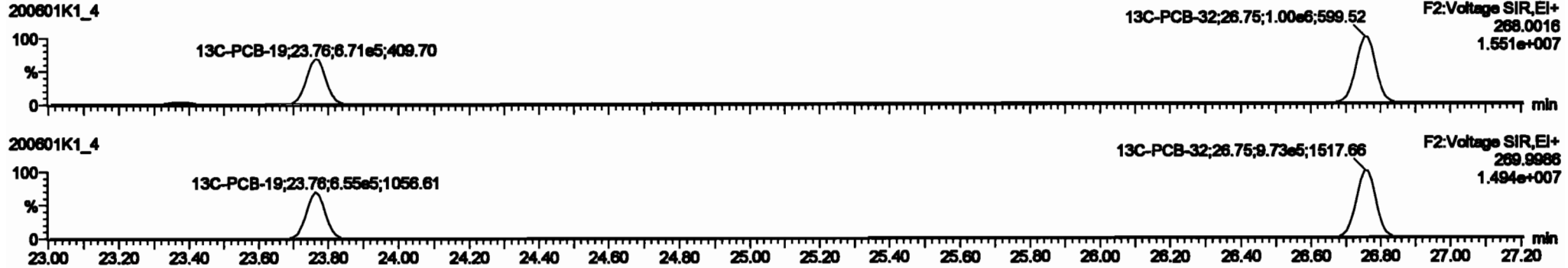
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Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

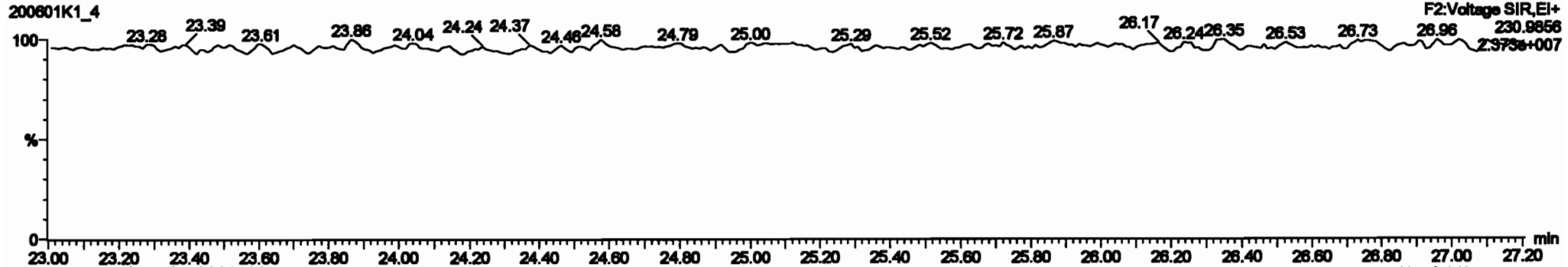
PCB-19



13C-PCB-19



PFK2b

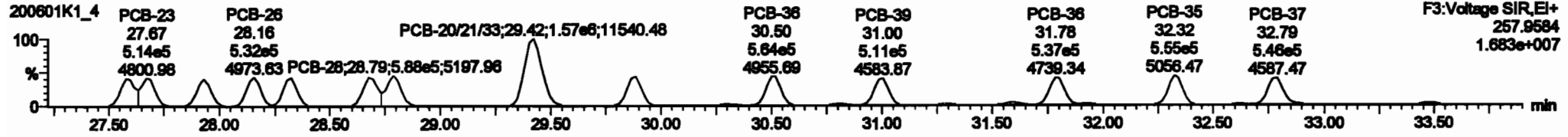
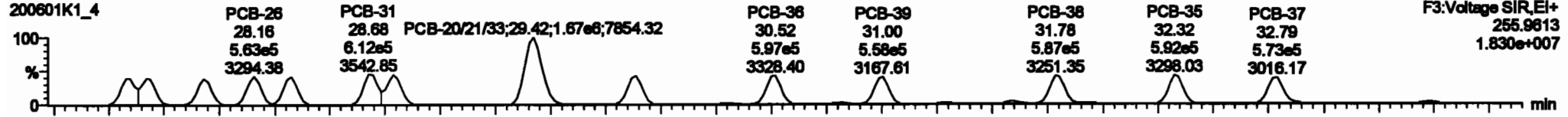


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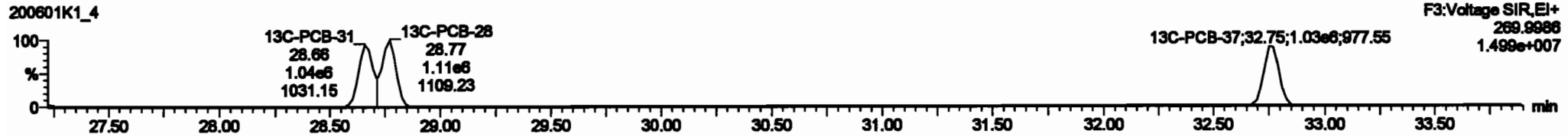
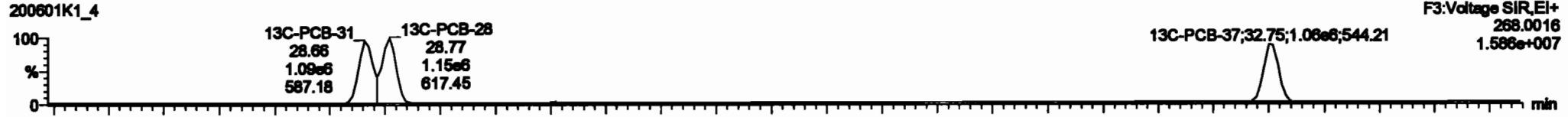
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Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

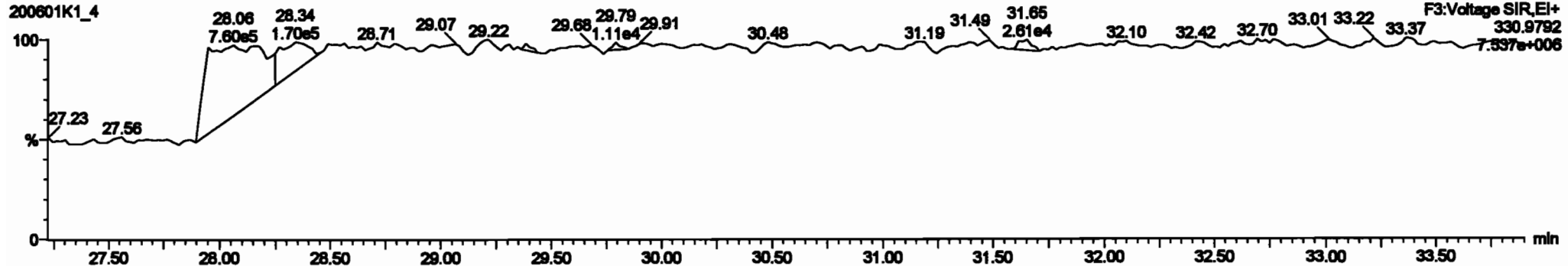
PCB-34



13C-PCB-28

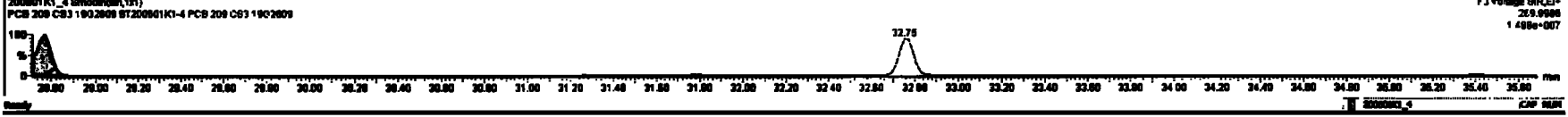
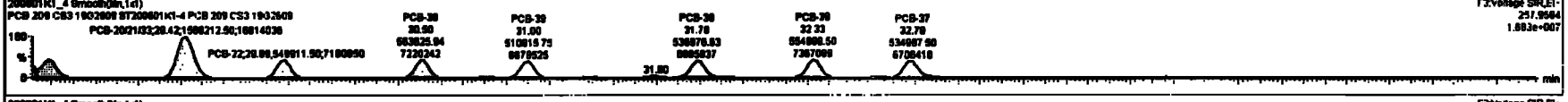


PFK3d



#	Name	Range	SA	Vol	RFI	RFI-Max	RFI-Min	RFI	Peak-A	RFI	RFI-Peak	Comp.	Area	CL	OMPC
224	Total Mono-PCBs				1.188E	1.000	0.00	0.000		NO	188.1		0.000	188.1	
225	Total Di-PCBs				1.897E	1.000	0.00	0.000		NO	818.4		0.280	818.4	
226	2nd Function Tri-PCBs				1.897E	1.000	0.00	0.000		NO	412.8		0.000	412.8	
227	3rd Function Tri-PCBs				0.000E	1.000	0.00	0.000		NO	0.000		0.000	0.000	
228	Total Tetra-PCBs				1.977E	1.000	0.00	0.000		NO	2171		0.943	2171	
229	3rd Function Penta-PCBs				1.318E	1.000	0.00	0.000		NO	2168		0.828	2168	
230	4th Function Penta-PCBs				1.973E	1.000	0.00	0.000		NO	281.1		0.162	281.1	
231	3rd Function Hexa-PCBs				0.892E	1.000	0.00	0.000		NO	887.3		0.188	887.3	
232	4th Function Hexa-PCBs				1.031E	1.000	0.00	0.000		NO	1491		1.28	1491	
233	Total Hepta-PCBs				1.389E	1.000	0.00	0.000		NO	1290		1.28	1290	
234	4th Function Octa-PCBs				1.899E	1.000	0.00	0.000		NO	448.1		0.322	448.1	
235	Total Non-Function Octa-PCBs				1.148E	1.000	0.00	0.000		NO	158.1		0.281	158.1	

#	Name	RFI-Max	RFI-Min	RFI	Peak-A	RFI	RFI-Peak	Comp.		
18	PCB-34	27.88	27.88	5.53E+5	6.28E+5	1.000	1.08	NO	80.487	80.487
19	PCB-35	27.87	27.87	6.28E+5	5.14E+5	1.000	1.08	NO	82.830	82.830
20	PCB-36	27.85	27.85	6.21E+5	4.83E+5	1.000	1.08	NO	80.340	80.340
21	PCB-36	28.18	28.18	6.32E+5	5.32E+5	1.000	1.08	NO	81.287	81.287
22	PCB-36	28.21	28.22	6.91E+5	6.21E+5	1.000	1.08	NO	80.288	80.288
23	PCB-37	28.88	28.88	6.11E+5	6.38E+5	1.000	1.14	NO	48.828	48.828
24	PCB-38	28.78	28.78	6.38E+5	6.87E+5	1.000	1.08	NO	82.734	82.734
25	PCB-202103	28.43	28.42	1.87E+6	1.88E+6	1.000	1.87	NO	183.28	183.28
26	PCB-39	28.87	28.88	5.88E+5	6.48E+5	1.000	1.08	NO	81.848	81.848



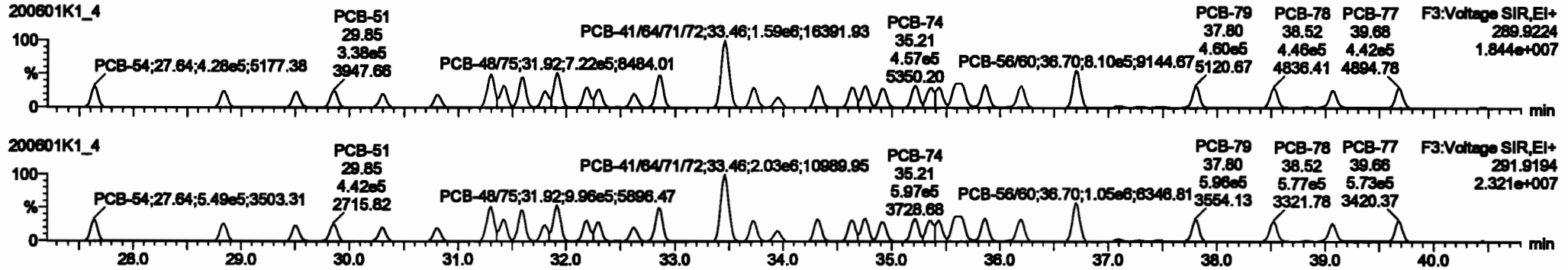


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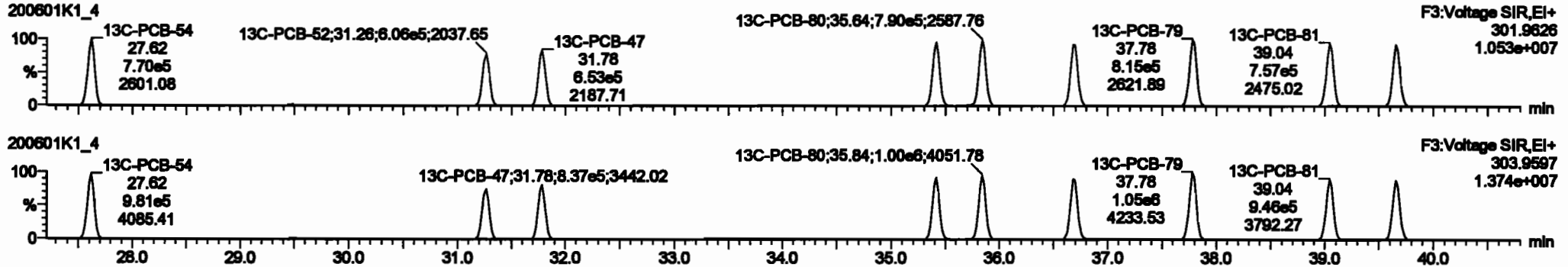
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 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

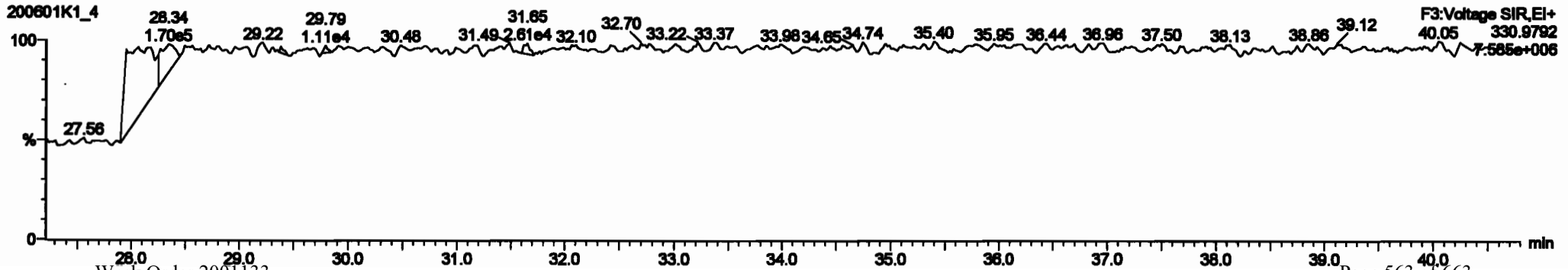
**PCB-54**



**13C-PCB-54**



**PFK3a**



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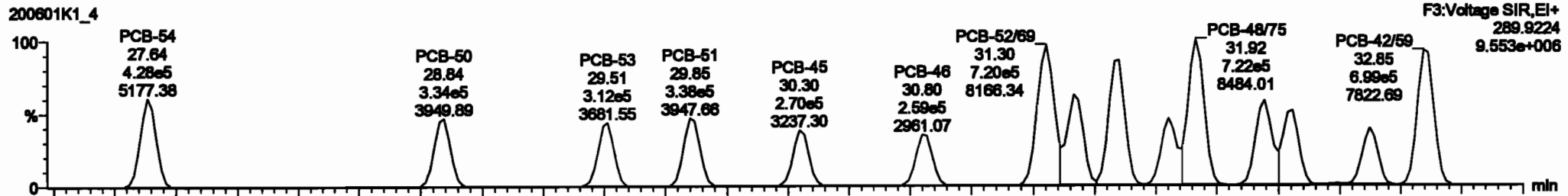
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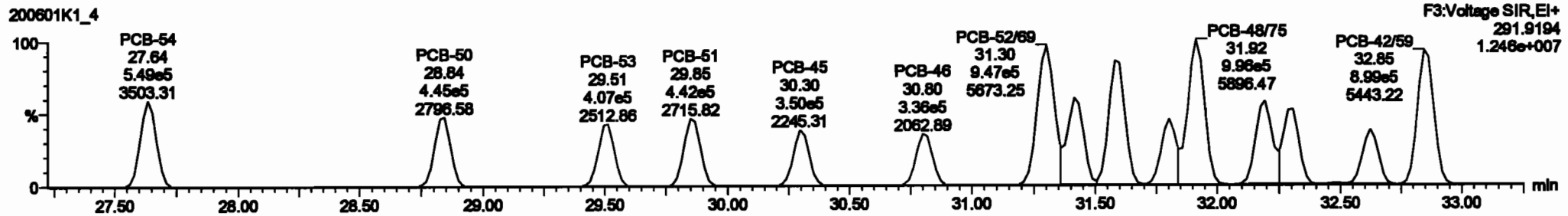
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PCB-50

200601K1\_4



200601K1\_4



13C-PCB-52

200601K1\_4

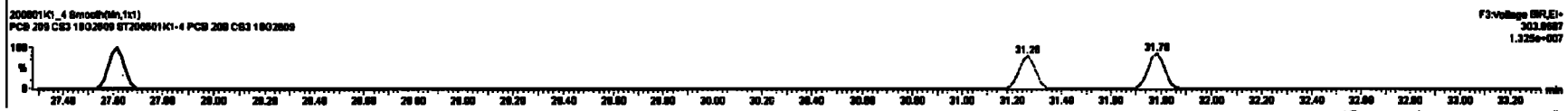
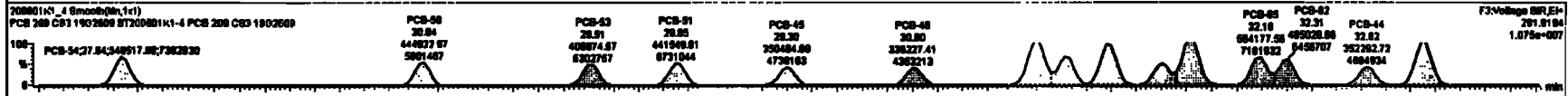
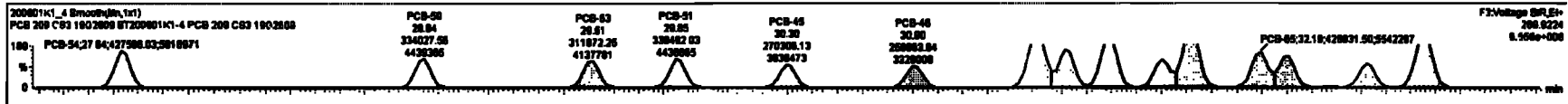


200601K1\_4



#	Name	Range	RA	dy	W/F	width	PeakRT	RT	PeakRT	Area	W/F	Comp.	Ratio	DL	W/F
226	Total Mono-PCBs				1.1885	1.288	0.00	0.000	NO	188.1			0.0292	188.1	
227	Total Di-PCBs				1.2887	1.288	0.00	0.000	NO	818.4			0.288	818.4	
228	Total Tri-PCBs				1.0887	1.088	0.00	0.000	NO	412.5			0.0878	412.5	
229	1st Function Tri-PCBs				0.8887	1.088	0.00	0.000	NO	818.1			0.371	818.1	
230	2nd Function Tri-PCBs				1.2887	0.888	0.00	0.000	NO	218.1			0.028	218.1	
231	3rd Function Tri-PCBs				1.3187	1.088	0.00	0.000	NO	218.1			0.028	218.1	
232	1st Function Tetra-PCBs				0.8887	1.088	0.00	0.000	NO	28.1			0.188	28.1	
233	2nd Function Tetra-PCBs				1.0887	1.088	0.00	0.000	NO	148.1			1.88	148.1	
234	3rd Function Tetra-PCBs				1.2887	1.088	0.00	0.000	NO	128.1			1.28	128.1	
235	4th Function Tetra-PCBs				1.4887	1.088	0.00	0.000	NO	48.1			0.22	48.1	
236	Total Penta-PCBs				1.4887	1.088	0.00	0.000	NO	18.1			0.08	18.1	
237	1st Function Penta-PCBs				1.4887	1.088	0.00	0.000	NO	18.1			0.08	18.1	
238	2nd Function Penta-PCBs				1.4887	1.088	0.00	0.000	NO	18.1			0.08	18.1	
239	3rd Function Penta-PCBs				1.4887	1.088	0.00	0.000	NO	18.1			0.08	18.1	
240	4th Function Penta-PCBs				1.4887	1.088	0.00	0.000	NO	18.1			0.08	18.1	
241	Total Hexa-PCBs				1.4887	1.088	0.00	0.000	NO	18.1			0.08	18.1	
242	1st Function Hexa-PCBs				1.4887	1.088	0.00	0.000	NO	18.1			0.08	18.1	
243	2nd Function Hexa-PCBs				1.4887	1.088	0.00	0.000	NO	18.1			0.08	18.1	
244	3rd Function Hexa-PCBs				1.4887	1.088	0.00	0.000	NO	18.1			0.08	18.1	
245	4th Function Hexa-PCBs				1.4887	1.088	0.00	0.000	NO	18.1			0.08	18.1	
246	5th Function Hexa-PCBs				1.4887	1.088	0.00	0.000	NO	18.1			0.08	18.1	
247	6th Function Hexa-PCBs				1.4887	1.088	0.00	0.000	NO	18.1			0.08	18.1	

#	Name	Value	RT	W/F	Width	PeakRT	Area	W/F	Comp.	Ratio
32	PCB-84	27.84	27.84	4.27885	0.48885	0.770	0.78	NO	81.824	81.824
33	PCB-89	28.89	28.84	3.24885	4.48885	0.770	0.78	NO	80.878	80.878
34	PCB-89	28.89	28.81	3.12885	4.88885	0.770	0.77	NO	82.288	82.288
35	PCB-91	28.89	28.85	3.28885	4.81885	0.770	0.77	NO	83.201	83.201
36	PCB-45	30.30	30.30	2.70885	3.80885	0.770	0.77	NO	82.288	82.288
37	PCB-45	30.30	30.35	2.80885	3.20885	0.770	0.77	NO	82.883	82.883
38	PCB-45	31.31	31.20	1.20885	0.47885	0.770	0.78	NO	108.88	108.88
39	PCB-73	31.41	31.41	4.88885	0.88885	0.770	0.78	NO	83.821	83.821
40	PCB-45	31.88	31.88	0.28885	0.31485	0.770	0.77	NO	108.87	108.87



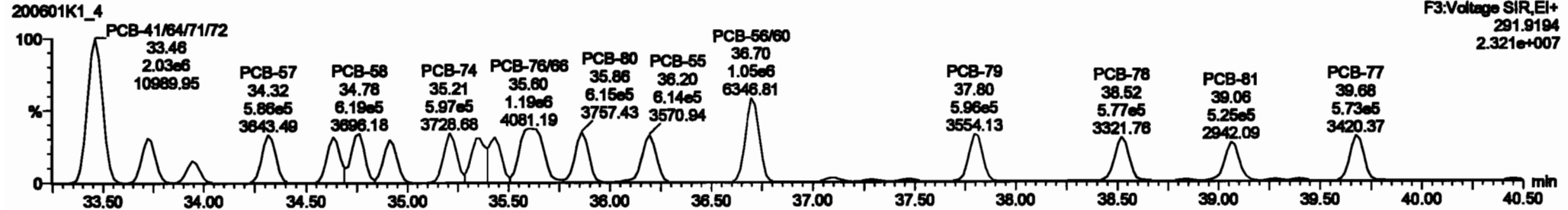
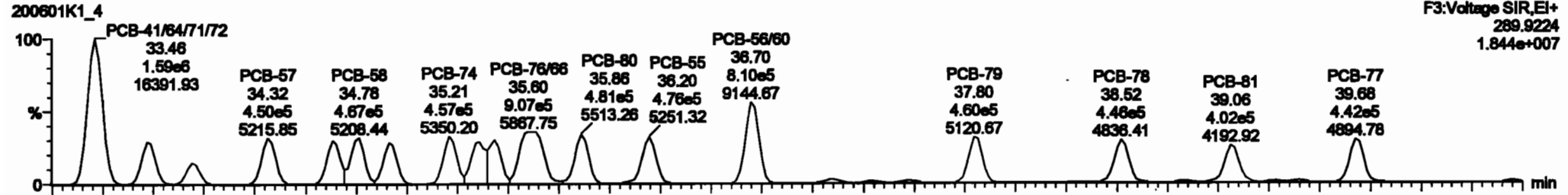
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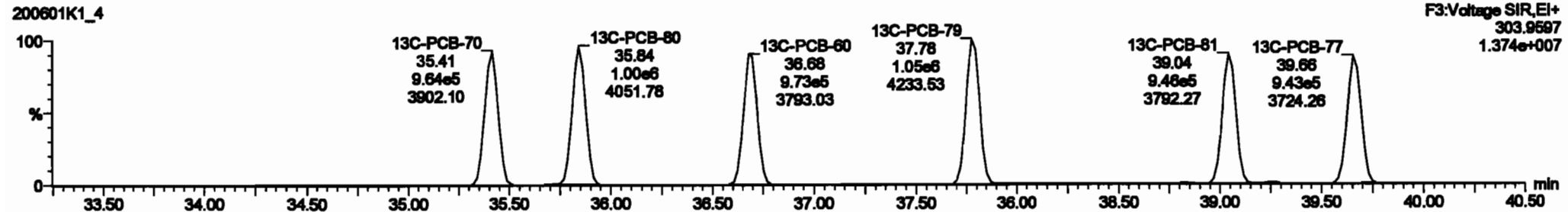
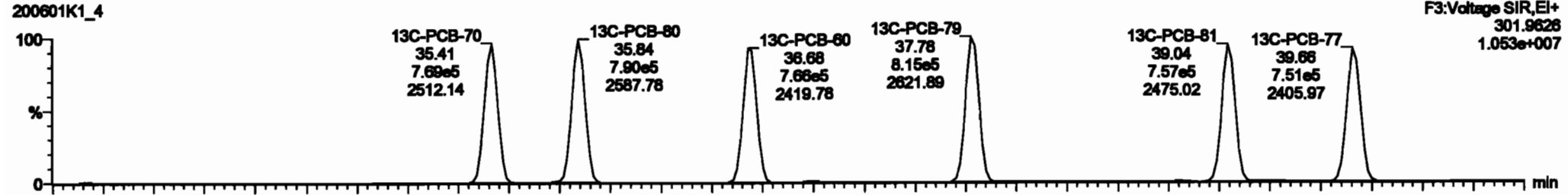
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Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

PCB-68

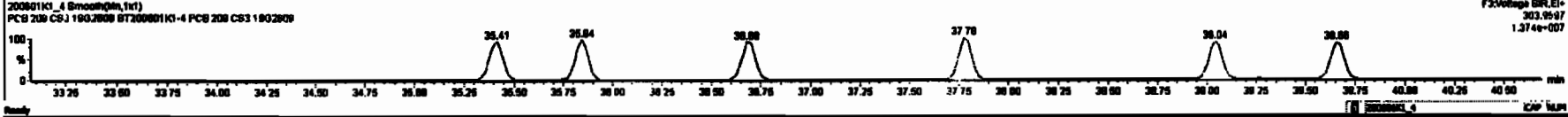
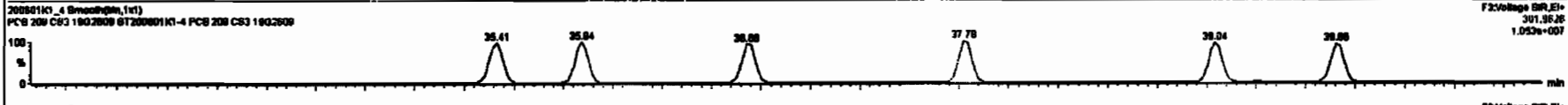
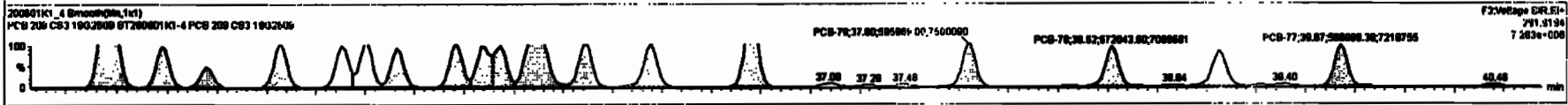
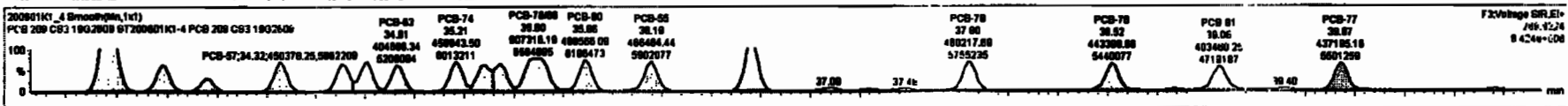


13C-PCB-60



#	Name	Area	RA	RI	FW	Vol	Prod	RT	Prod	FW	RI	FW	Prod	RT	FW	Prod	RT	FW	Prod
224	Total Mono-PCBs	1.1895	1.000	0.80	0.000														
225	Total Di-PCBs	1.0537	1.000	0.80	0.000														
226	2nd Function Tri-PCBs	1.0897	1.000	0.80	0.000														
227	3rd Function Tri-PCBs	0.9028	1.000	0.80	0.000														
228	Total Tetra-PCBs	1.0798	1.000	0.80	0.000														
229	2nd Function Penta-PCBs	1.3197	1.000	0.80	0.000														
230	4th Function Penta-PCBs	1.0726	1.000	0.80	0.000														
231	2nd Function Hexa-PCBs	0.9808	1.000	0.80	0.000														
232	4th Function Hexa-PCBs	1.0018	1.000	0.80	0.000														
233	Total Hepta-PCBs	1.2891	1.000	0.80	0.000														
234	4th Function Octa-PCBs	1.0008	1.000	0.80	0.000														
235	Total Octa-PCBs	1.4488	1.000	0.80	0.000														

#	Name	Area	RA	RI	FW	Vol	Prod	RT	Prod	FW	RI	FW	Prod	RT	FW	Prod	RT	FW	Prod
23	PCB-64	27.84	27.84	4.27e6	5.69e6	0.770	0.79	NO	81.824	81.824									
24	PCB-60	28.89	28.84	3.26e6	4.41e6	0.770	0.75	NO	82.578	82.578									
25	PCB-63	28.89	28.81	3.12e6	4.08e6	0.770	0.77	NO	82.588	82.588									
26	PCB-61	28.85	28.85	3.28e6	4.41e6	0.770	0.77	NO	83.201	83.201									
27	PCB-65	30.20	30.20	2.70e6	3.82e6	0.770	0.77	NO	82.638	82.638									
28	PCB-66	30.80	30.80	2.88e6	3.95e6	0.770	0.77	NO	82.043	82.043									
29	PCB-62	31.20	31.20	2.25e6	3.47e6	0.770	0.78	NO	100.88	100.88									
30	PCB-73	31.41	31.41	4.89e6	6.83e6	0.770	0.78	NO	93.821	93.821									
31	PCB-67	31.88	31.88	6.28e6	8.31e6	0.770	0.77	NO	105.07	105.07									



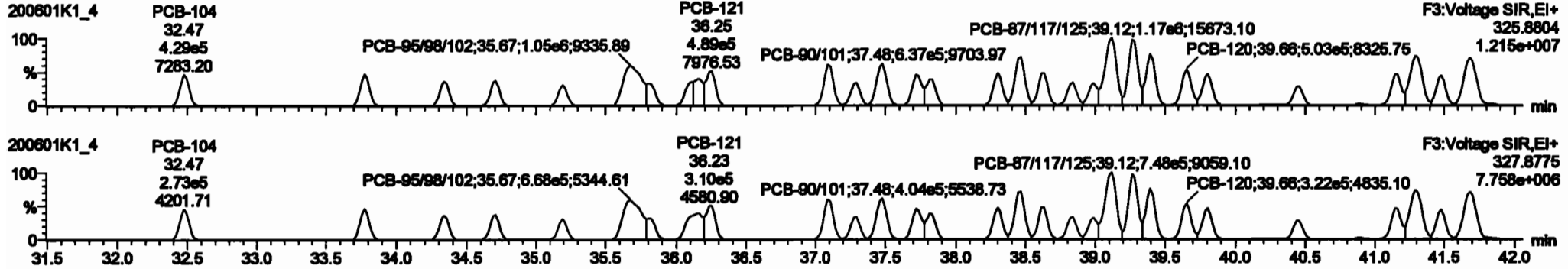
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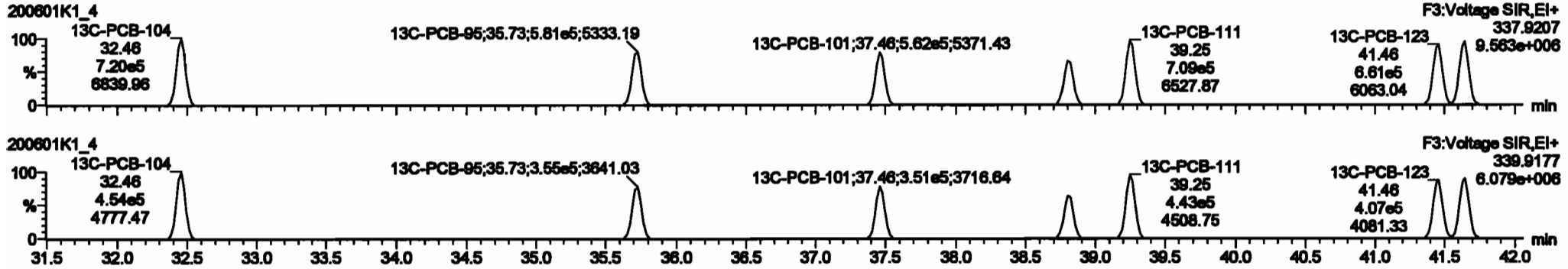
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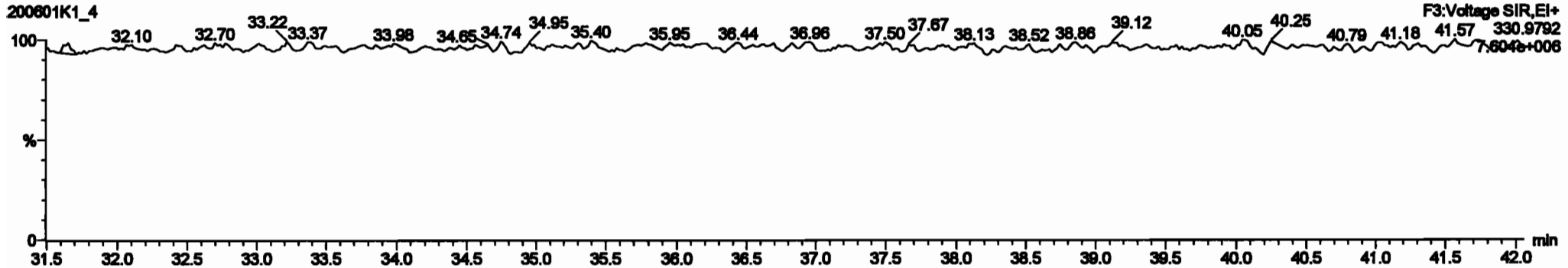
**PCB-104**



**13C-PCB-104**



**PFK3b**



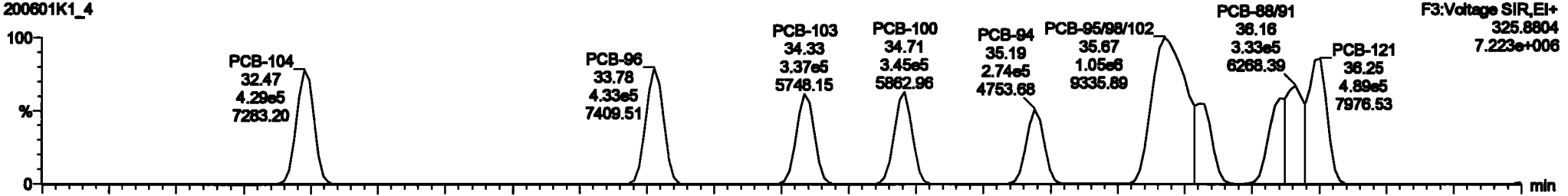
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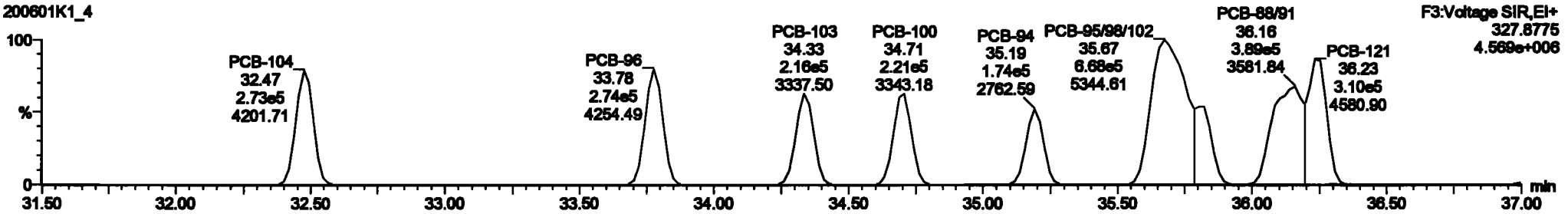
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PCB-96

200601K1\_4

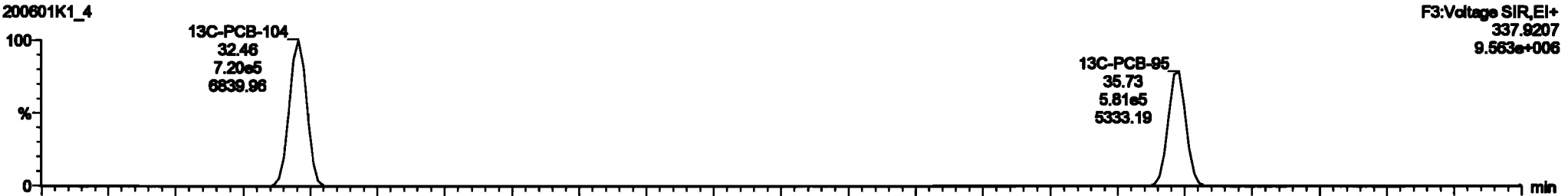


200601K1\_4

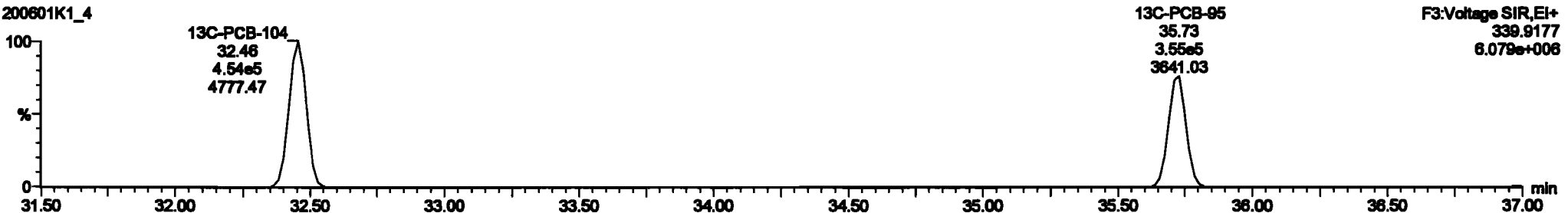


13C-PCB-95

200601K1\_4



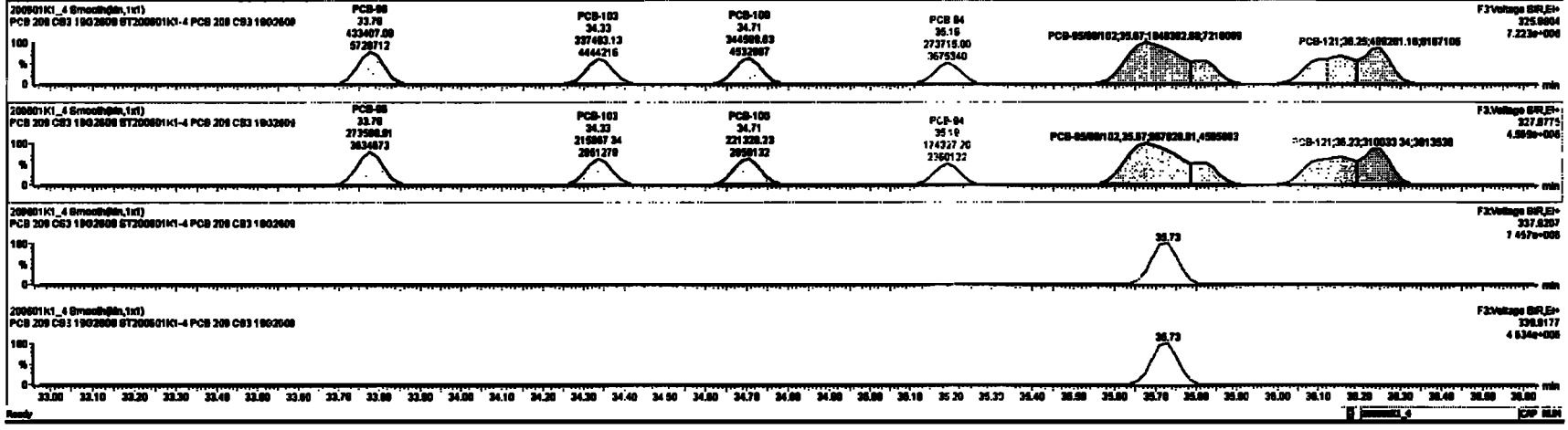
200601K1\_4





#	Category	Wgt	Vol	Vol	Wgt	Vol	Wgt	Vol	Wgt	Vol	Wgt	Vol	Wgt	Vol	Wgt	Vol	Wgt	Vol
224	Total Micro-PCBs				1.000	1.000	0.00	0.000	NO	100.1	0.0242	100.1						
225	Total BL-PCBs				1.000	1.000	0.00	0.000	NO	018.4	0.200	018.4						
226	Total Para-PCBs				1.000	1.000	0.00	0.000	NO	412.0	0.000	412.0						
227	Total Para-PCBs				0.000	1.000	0.00	0.000	NO	018.1	0.000	018.1						
228	Total Para-PCBs				1.000	1.000	0.00	0.000	NO	2171	0.000	2171						
229	Total Para-PCBs				1.000	1.000	0.00	0.000	NO	1.000	0.000	1.000						
230	4th Para-PCBs				1.000	1.000	0.00	0.000	NO	201.1	0.140	201.1						
231	3rd Para-PCBs				0.000	1.000	0.00	0.000	NO	007.0	0.100	007.0						
232	2nd Para-PCBs				1.000	1.000	0.00	0.000	NO	1401	1.00	1401						
233	1st Para-PCBs				1.000	1.000	0.00	0.000	NO	1200	1.20	1200						
234	4th Para-PCBs				1.000	1.000	0.00	0.000	NO	446.1	0.302	446.1						
235	3rd Para-PCBs				1.000	1.000	0.00	0.000	NO	104.1	0.200	104.1						

#	Category	Wgt	Vol	Vol	Wgt	Vol	Wgt	Vol	Wgt	Vol	Wgt	Vol	Wgt	Vol	Wgt	Vol	Wgt	Vol
84	PCB-104				32.47	32.47	4.20e6	2.72e6	1.000	1.07	NO	03.204	03.204					
85	PCB-88				33.70	33.70	4.20e6	2.72e6	1.000	1.00	NO	02.100	02.100					
86	PCB-103				34.23	34.23	3.27e6	2.10e6	1.000	1.00	NO	03.200	03.200					
87	PCB-109				35.00	35.71	3.44e6	2.70e6	1.000	1.00	NO	03.010	03.010					
88	PCB-84				35.20	35.10	2.70e6	1.70e6	1.000	1.07	NO	03.000	03.000					
89	PCB-0500102				35.00	35.07	1.00e6	0.07e6	1.000	1.07	NO	103.20	103.20					
70	PCB-83				35.01	35.01	2.00e6	1.70e6	1.000	1.00	NO	03.202	03.202					
71	PCB-0000				35.10	35.10	0.07e6	3.00e6	1.000	1.00	NO	100.02	100.02					
72	PCB-121				35.20	35.20	4.00e6	3.00e6	1.000	1.00	NO	40.000	40.000					



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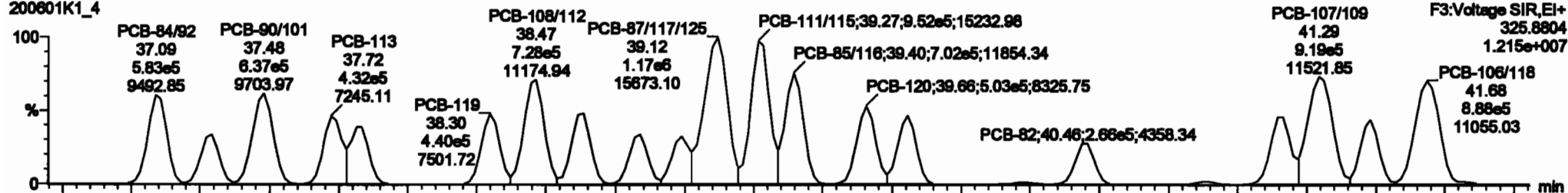
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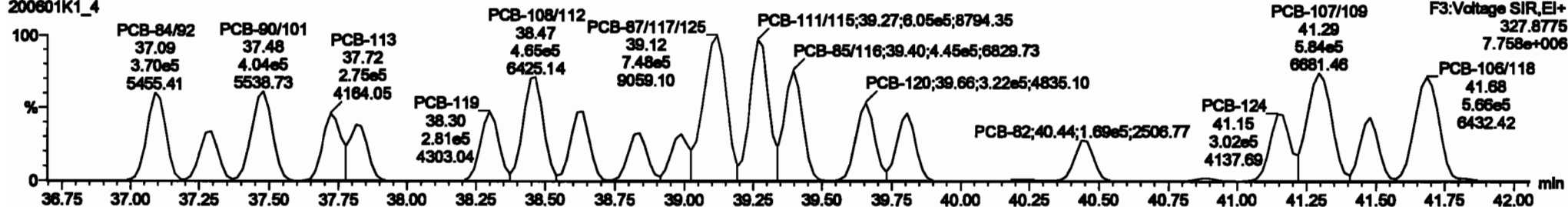
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PCB-119

200601K1\_4

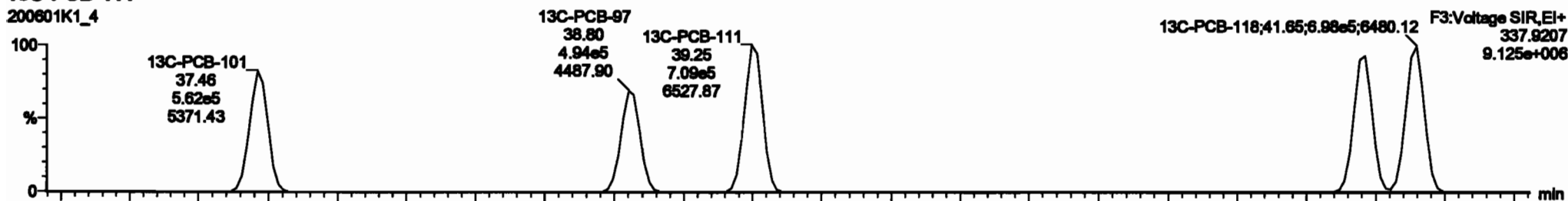


200601K1\_4

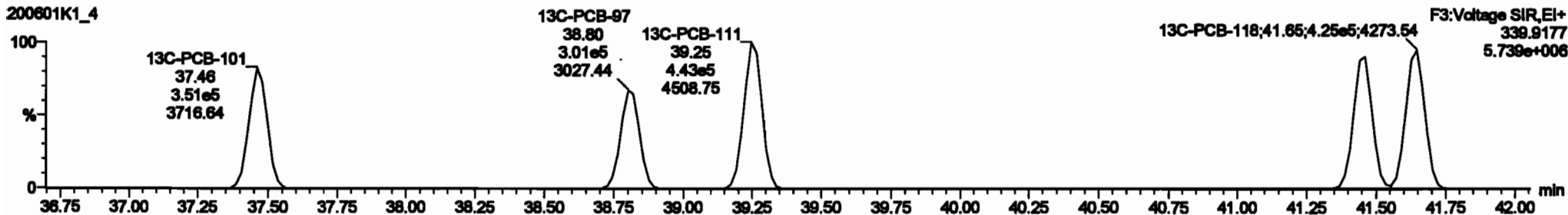


13C-PCB-111

200601K1\_4

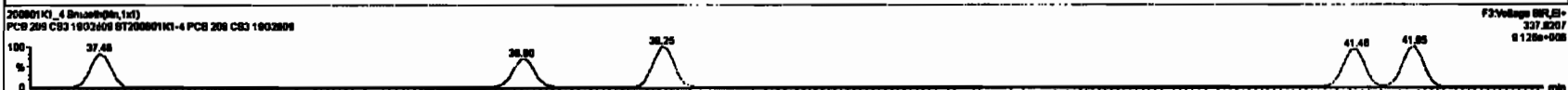
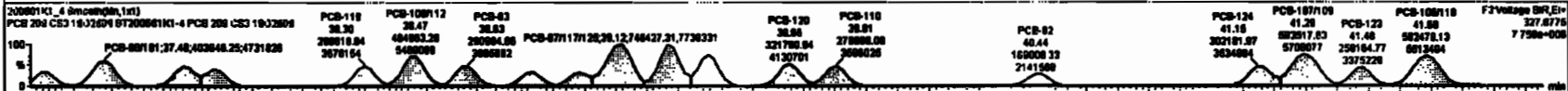


200601K1\_4



#	Name	Range	RA	dy	RF	width	PresRF	RF	PresRF	RF	RFI Pat	Class	Units	EL	SPFC
234	Total Mono-PCBs		1.1888	1.000	0.00	0.000		NO	188.1				0.0000	188.1	
235	Total Di-PCBs		1.0837	1.000	0.00	0.000		NO	818.4				0.280	818.4	
236	2nd Function TM-PCBs		1.0837	1.000	0.00	0.000		NO	412.8				0.0070	412.8	
237	2nd Function TM-PCBs		0.8838	1.000	0.00	0.000		NO	816.1				0.371	816.1	
238	Total Tera-PCBs		1.0776	1.000	0.00	0.000		NO	2171				0.345	2171	
239	4th Function Para-PCBs		1.0776	1.000	0.00	0.000		NO	208				0.100	208	
240	2nd Function Para-PCBs		0.8838	1.000	0.00	0.000		NO	887.0				0.180	887.0	
241	4th Function Para-PCBs		1.0718	1.000	0.00	0.000		NO	1481				1.00	1481	
242	Total Hexa-PCBs		1.0881	1.000	0.00	0.000		NO	1280				1.20	1280	
243	4th Function Octa-PCBs		1.0881	1.000	0.00	0.000		NO	448.1				0.320	448.1	
244	2nd Function Octa-PCBs		1.1498	1.000	0.00	0.000		NO	184.1				0.280	184.1	

#	Name	PresRF	RF	off Range	off Range	1 <sup>st</sup> Peak (Pres)	RA	dy	SPFC	Class
64	PCB-118	32.47	32.47	4.25e-6	2.72e-6	1.280	1.87	NO	83.234	83.234
65	PCB-43	33.76	33.76	4.25e-6	2.72e-6	1.280	1.88	NO	82.119	82.119
66	PCB-109	34.23	34.23	3.37e-6	2.18e-6	1.280	1.88	NO	83.288	83.288
67	PCB-103	34.89	34.71	3.44e-6	2.21e-6	1.280	1.88	NO	83.818	83.818
68	PCB-81	35.21	35.10	2.72e-6	1.74e-6	1.280	1.87	NO	83.488	83.488
69	PCB-66mvs02	35.89	35.87	1.84e-6	0.87e-6	1.280	1.87	NO	182.28	182.28
70	PCB-83	36.81	36.81	2.58e-6	1.74e-6	1.280	1.83	NO	82.287	82.287
71	PCB-88m1	38.18	38.18	0.87e-6	3.88e-6	1.280	1.88	NO	188.82	188.82
72	PCB-121	38.38	38.28	4.88e-6	3.10e-6	1.280	1.88	NO	48.888	48.888

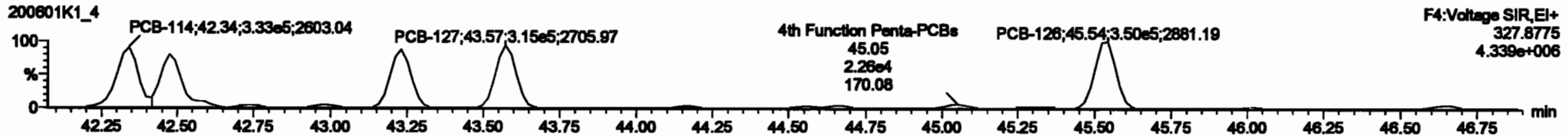
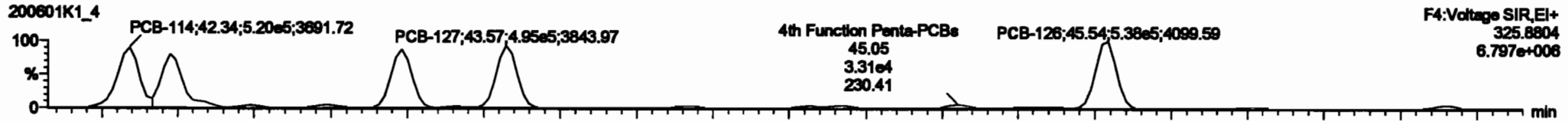


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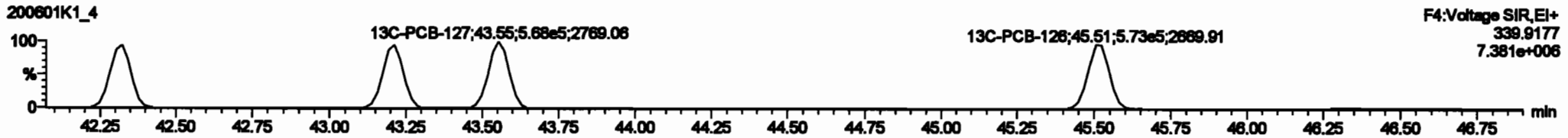
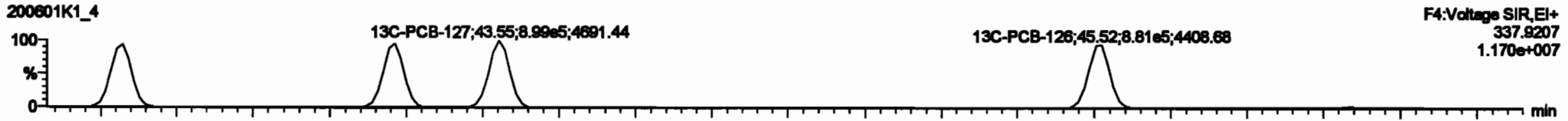
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

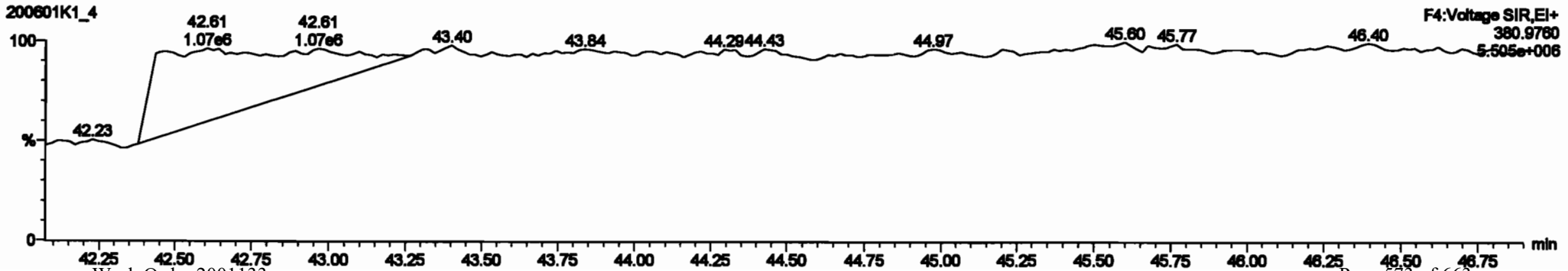
**PCB-114**



**13C-PCB-114**

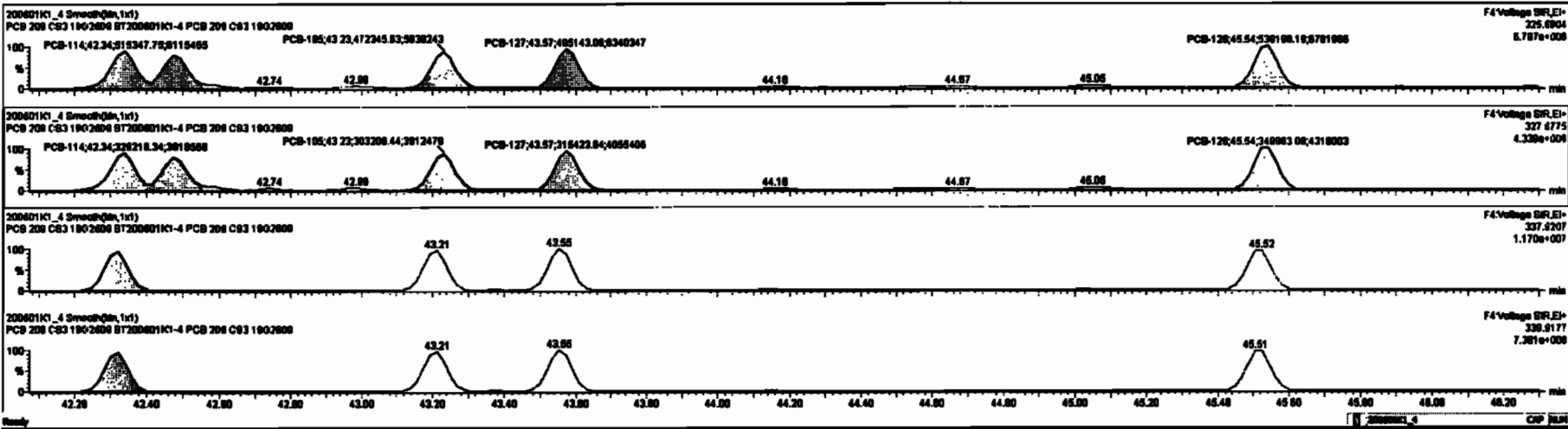


**PFK4a**



#	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 TA-PCBs				1.2607	1.000	0.00		0.000		NO	412.5		0.0070	412.5					
227	3rd Function TA-PCBs				0.9828	1.000	0.00		0.000		NO	818.1		0.371	818.1					
228	Total Tolu-PCBs				1.5778	1.000	0.00		0.000		NO	2171		0.843	2171					
229	2nd Function Tolu-PCBs				1.3157	1.000	0.00		0.000		NO	2168		0.828	2168					
230	3rd Function Tolu-PCBs				1.0922	1.000	0.00		0.000		NO	204.2		0.488	204.2					
231	2nd Function Hexa-PCBs				0.8886	1.000	0.00		0.000		NO	397.0		0.188	397.0					
232	3rd Function Hexa-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	3rd Function Octa-PCBs				1.0028	1.000	0.00		0.000		NO	445.1		0.322	445.1					
235	2nd 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									
91	PCB-122	42.48	42.47	4.218e5	2.889e5	1.580	1.88	NO	82.105	82.105									
95	PCB-126	43.23	43.23	4.722e5	3.022e5	1.580	1.88	NO	82.880	82.880									
98	PCB-127	43.87	43.87	4.881e5	3.184e5	1.580	1.87	NO	82.188	82.188									
97	PCB-128	45.84	45.84	6.382e5	3.900e5	1.580	1.84	NO	82.138	82.138									



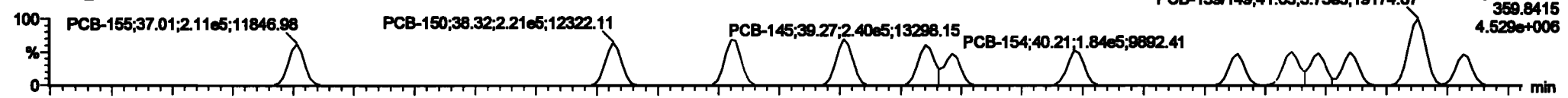
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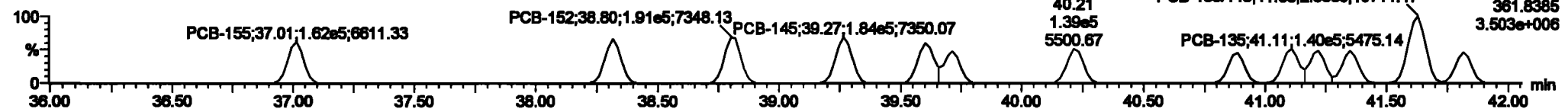
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PCB-155

200601K1\_4

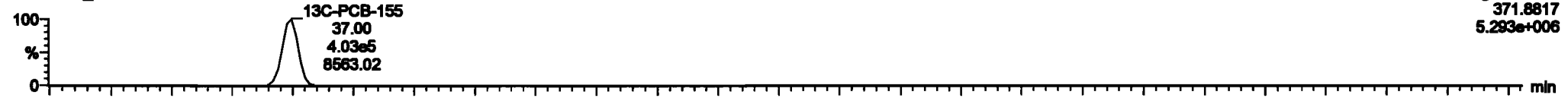


200601K1\_4

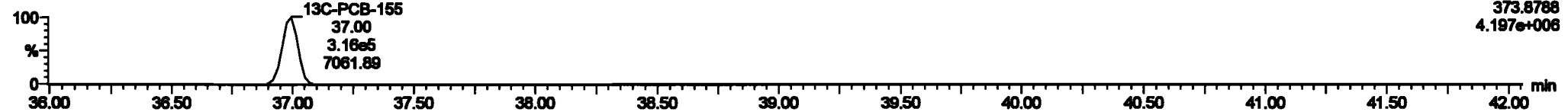


13C-PCB-155

200601K1\_4

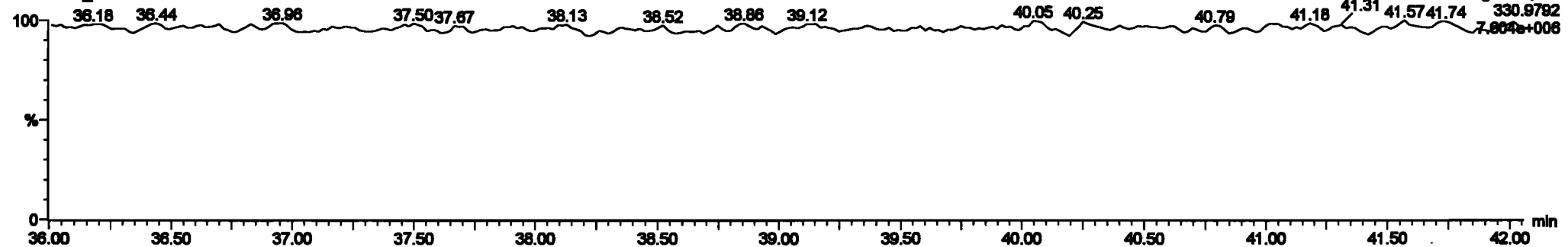


200601K1\_4



PFK3c

200601K1\_4

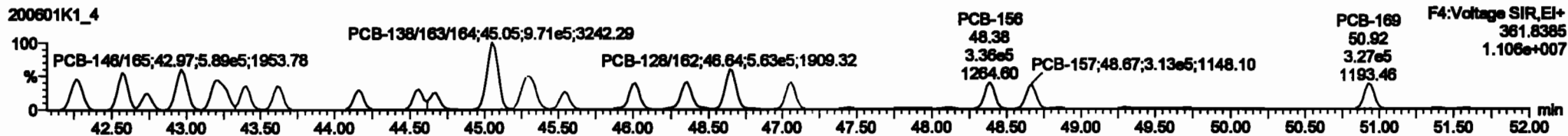
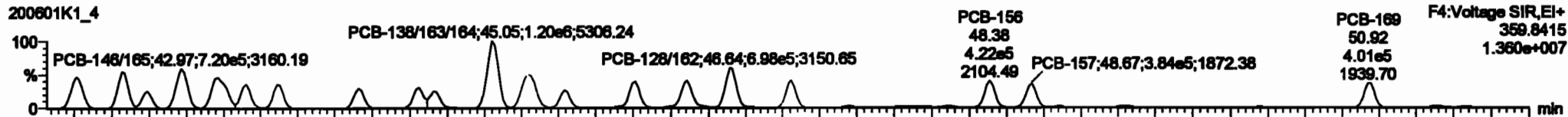


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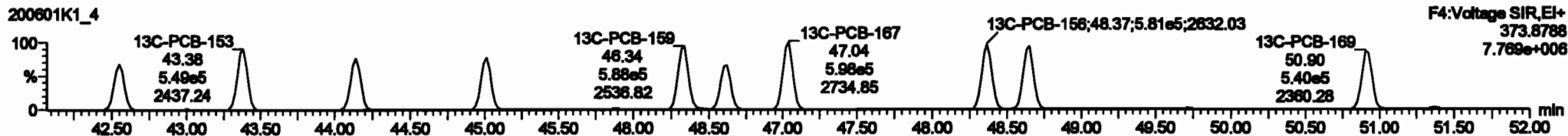
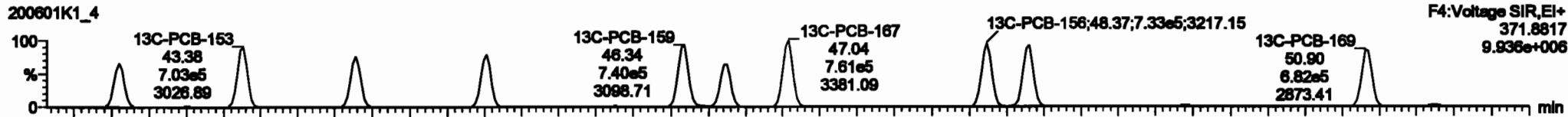
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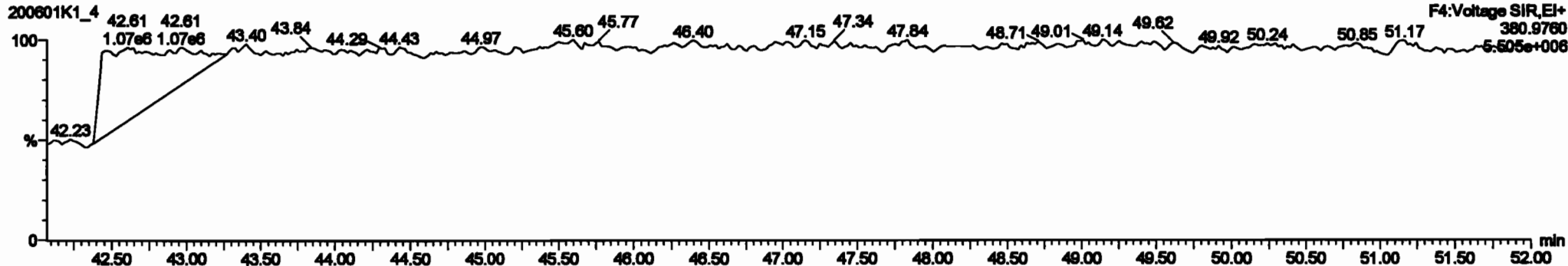
PCB-134/143



13C-PCB-153



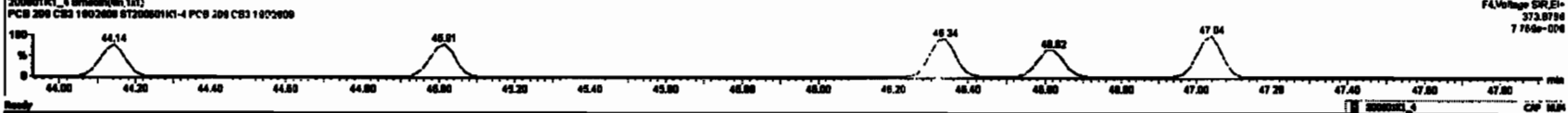
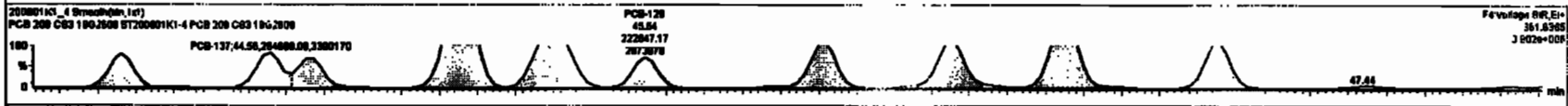
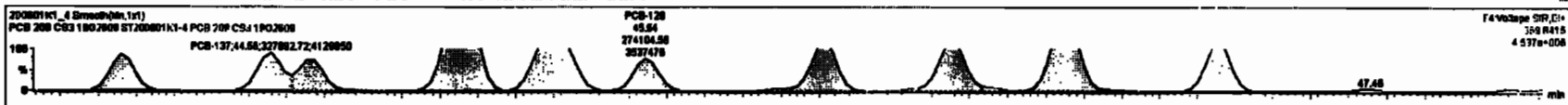
PFK4b





#	Quantity	Unit	Mat	Vol	Req	Avail	Plant	WIP	Plant	WIP	Plant	WIP	Plant	WIP	Plant	WIP	Plant	WIP
224	Total Mono-PCBs				1.000	1.000	0.00	0.000	ND	198.1				0.0343	198.1			
225	Total Di-PCBs				1.000	1.000	0.00	0.000	ND	818.4				0.280	818.4			
226	Total Tri-PCBs				1.000	1.000	0.00	0.000	ND	412.5				0.0070	412.5			
227	Total Tetra-PCBs				0.0028	1.000	0.00	0.000	ND	818.1				0.371	818.1			
228	Total Penta-PCBs				1.0778	1.000	0.00	0.000	ND	2171				0.943	2171			
229	Total Hexa-PCBs				1.2167	1.000	0.00	0.000	ND	2168				0.026	2168			
230	Total Hepta-PCBs				1.0728	1.000	0.00	0.000	ND	281.1				0.182	281.1			
231	Total Octa-PCBs				0.0000	1.000	0.00	0.000	ND	887.0				0.188	887.0			
232	Total Non-PCBs				1.0000	0.000	0.00	0.000	ND	1.38				1.38	1.38			
233	Total PCBs				1.000	1.000	0.00	0.000	ND	1.38				1.38	1.38			
234	Total PCBs				1.0000	1.000	0.00	0.000	ND	448.1				0.332	448.1			
235	Total PCBs				1.1488	1.000	0.00	0.000	ND	194.1				0.281	194.1			

#	PCB	Req	Avail	Plant	WIP	Plant	WIP	Plant	WIP	Plant	WIP	Plant	WIP	Plant	WIP	Plant	WIP	Plant	WIP
1	111 PCB-130143	43.28	43.28	6.8000	6.8000	1.290	1.29	ND	108.84					108.84					
2	112 PCB-131128	43.89	43.87	6.8000	4.8700	1.290	1.28	ND	108.30					108.30					
3	113 PCB-142	43.74	43.74	2.2800	2.1300	1.290	1.29	ND	83.770					83.770					
4	114 PCB-148918	43.89	43.87	7.2000	6.6000	1.290	1.28	ND	102.87					102.87					
5	115 PCB-152881	43.23	43.21	7.2000	6.8000	1.290	1.29	ND	102.88					102.88					
6	116 PCB-153	43.66	43.68	3.0000	3.0400	1.290	1.28	ND	82.913					82.913					
7	117 PCB-188	43.83	43.81	3.8100	3.8700	1.290	1.29	ND	81.880					81.880					
8	118 PCB-141	44.56	44.58	3.0000	2.6000	1.290	1.29	ND	81.888					81.888					
9	119 PCB-137	44.88	44.88	3.2700	3.2900	1.290	1.29	ND	81.888					81.888					

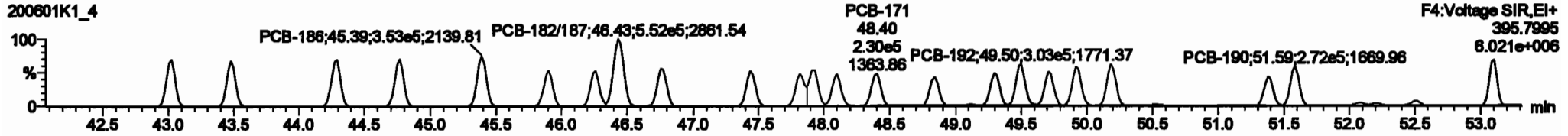
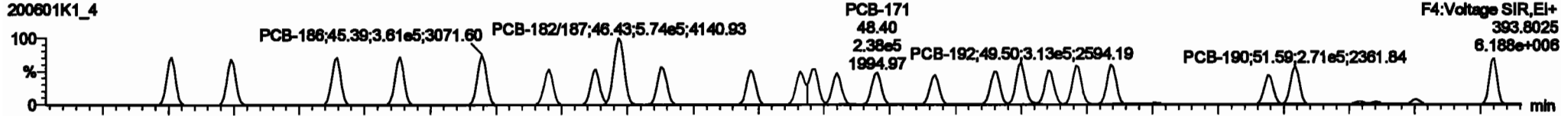


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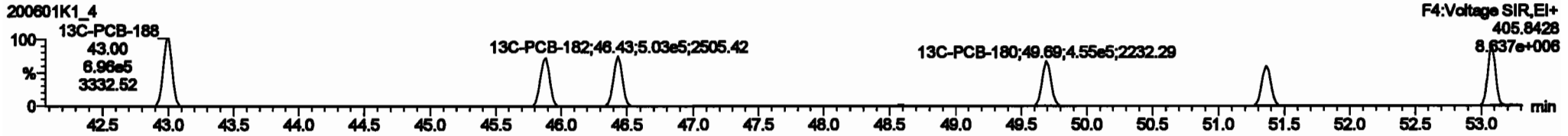
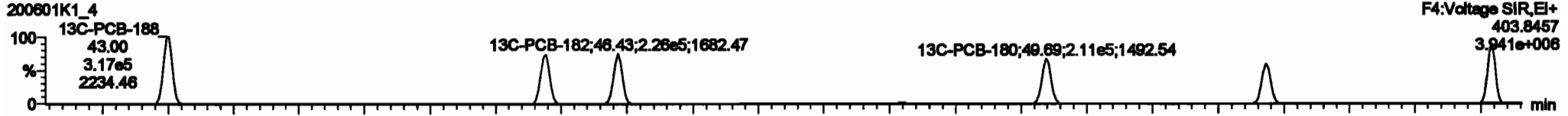
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

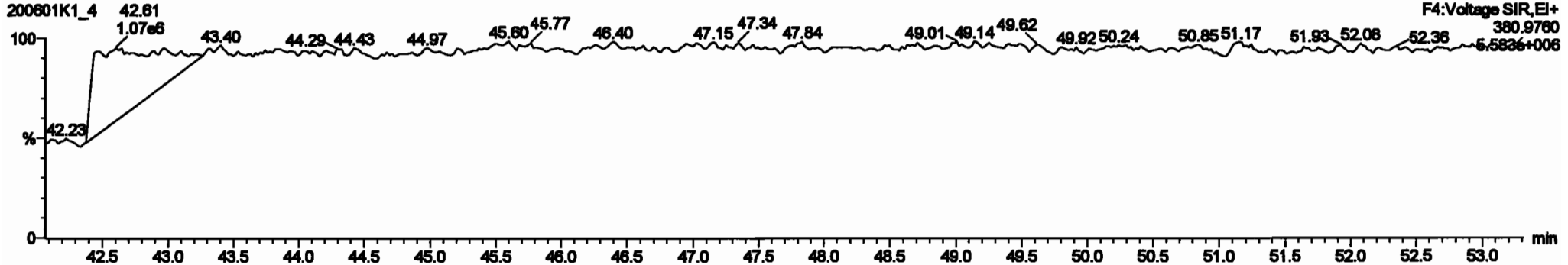
**PCB-188**



**13C-PCB-188**



**PFK4c**



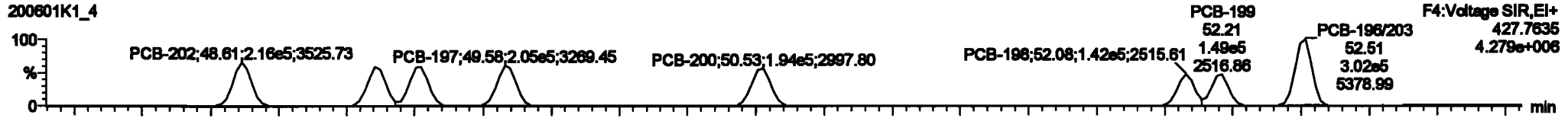
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

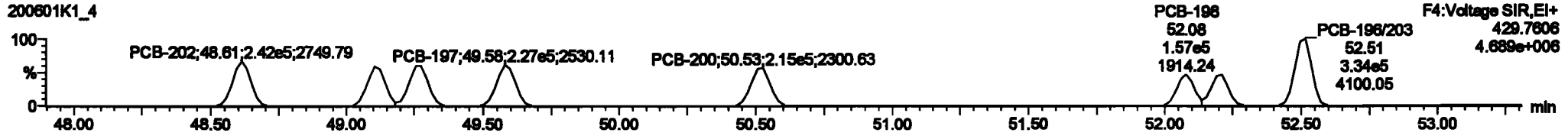
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PCB-202

200601K1\_4

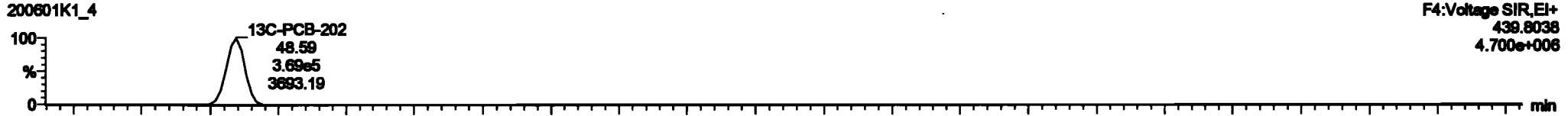


200601K1\_4

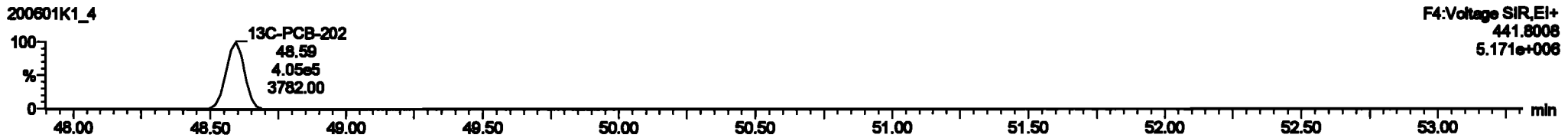


13C-PCB-202

200601K1\_4

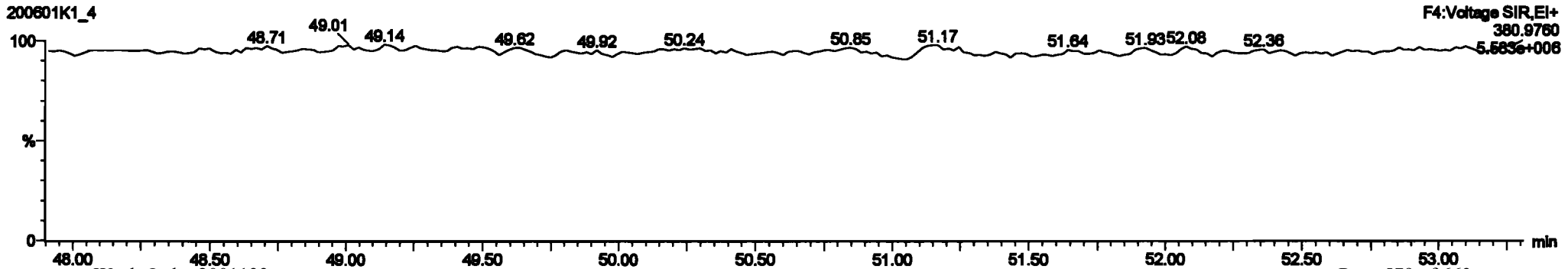


200601K1\_4



PFK4d

200601K1\_4



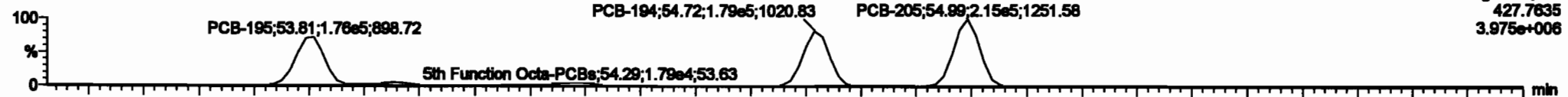
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

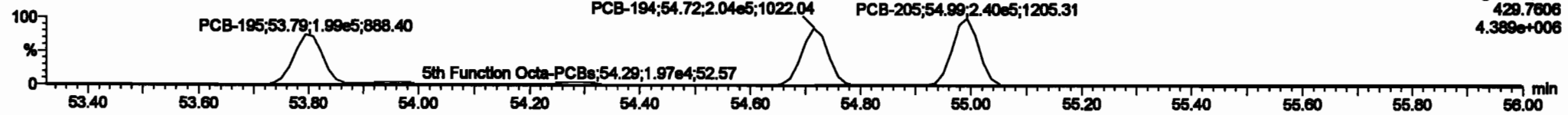
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**PCB-195**

200601K1\_4

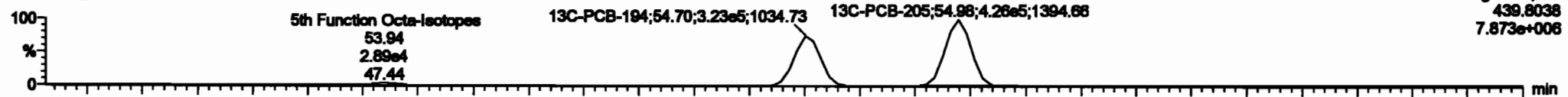


200601K1\_4

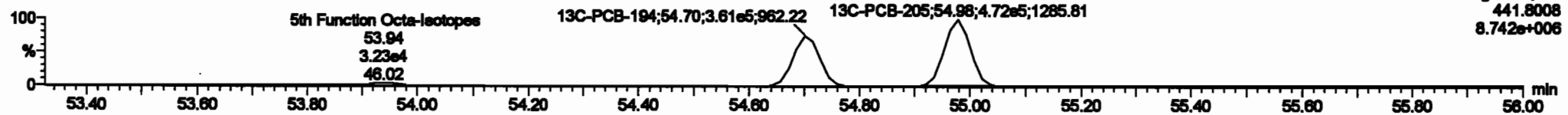


**13C-PCB-194**

200601K1\_4

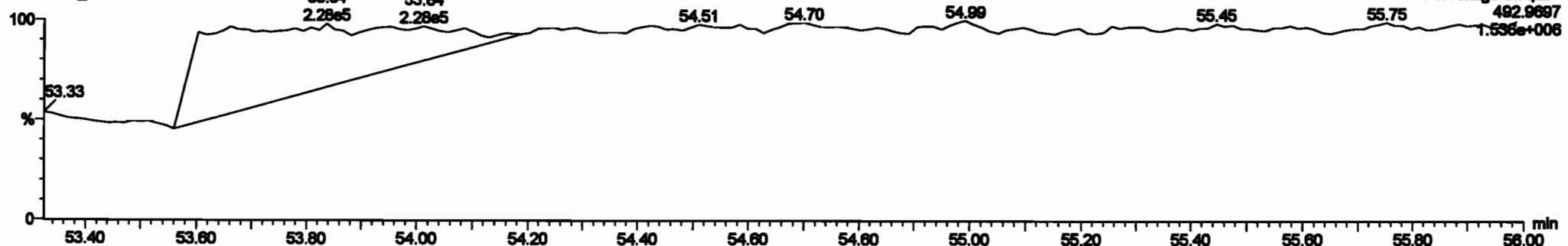


200601K1\_4



**PFK5a**

200601K1\_4



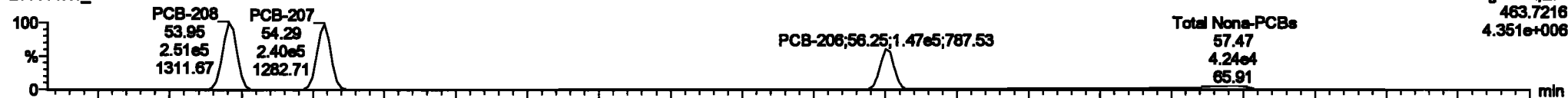
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Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

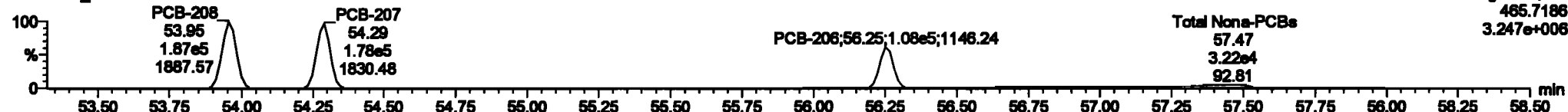
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**PCB-208**

200601K1\_4

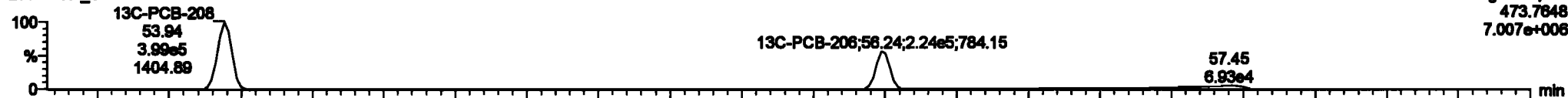


200601K1\_4

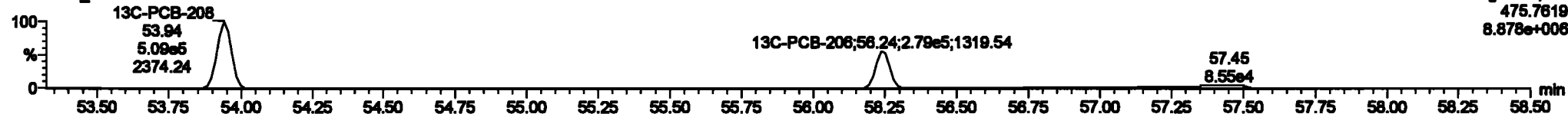


**13C-PCB-208**

200601K1\_4

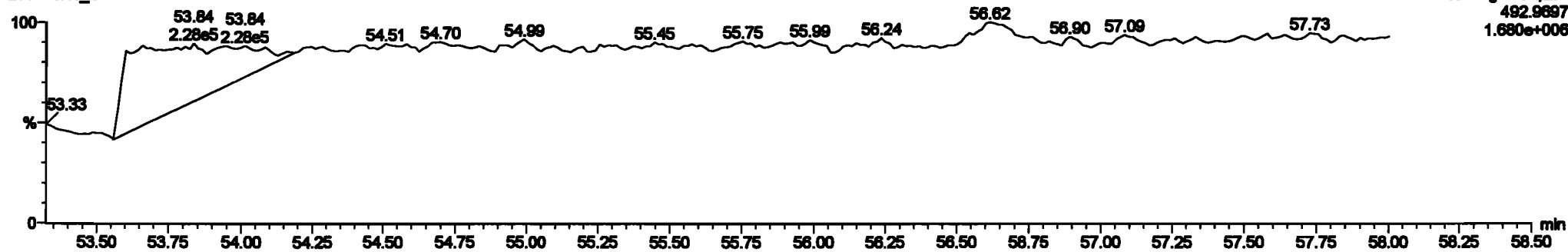


200601K1\_4



**PFK5**

200601K1\_4



Dataset: Untitled

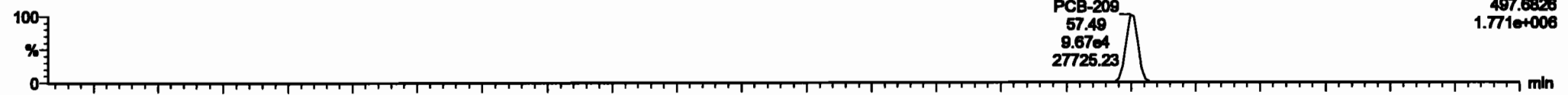
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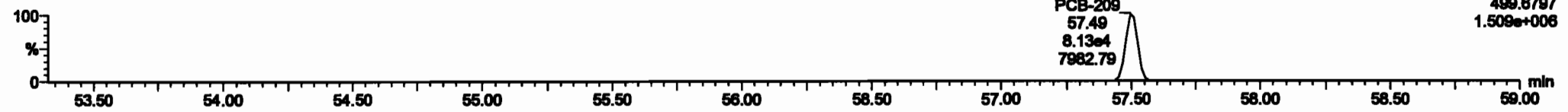
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**PCB-209**

200601K1\_4

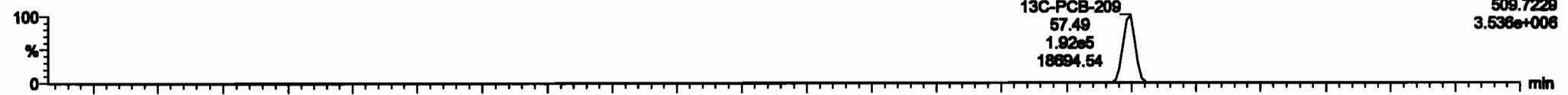


200601K1\_4

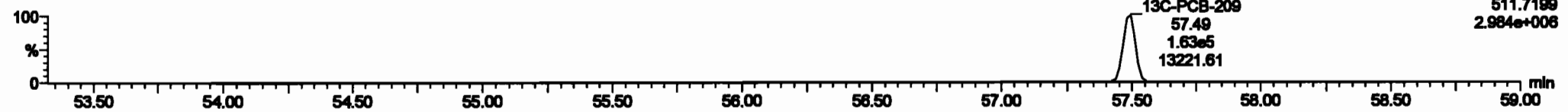


**13C-PCB-209**

200601K1\_4

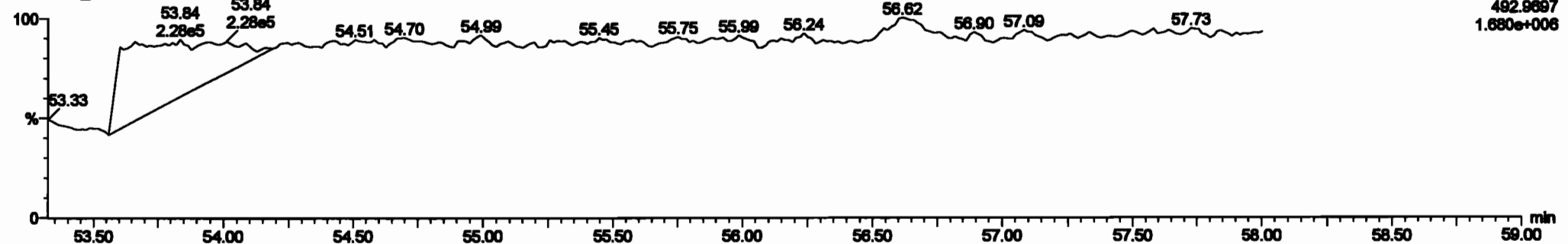


200601K1\_4



**PFK5b**

200601K1\_4



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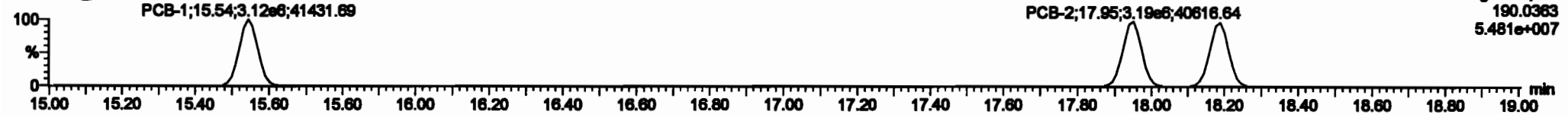
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PCB-1

200601K1\_5



200601K1\_5

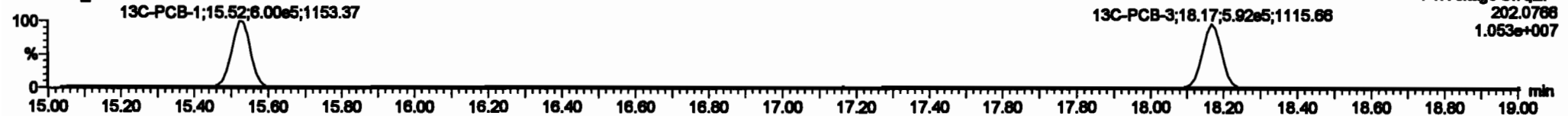


13C-PCB-1

200601K1\_5

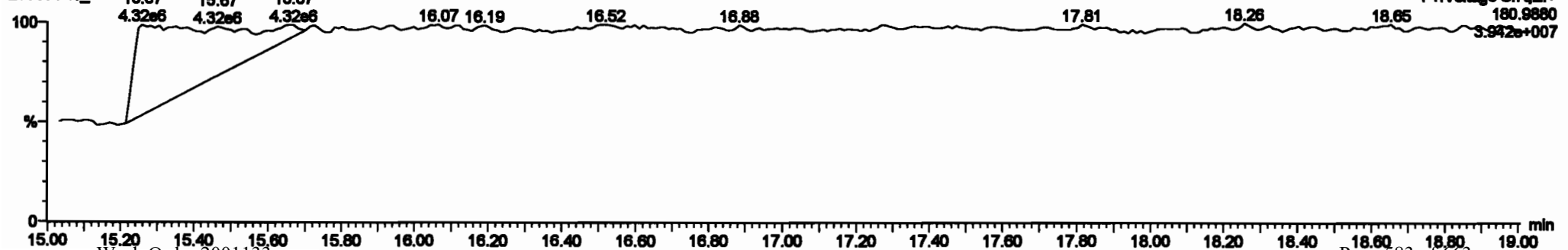


200601K1\_5



PFK1

200601K1\_5



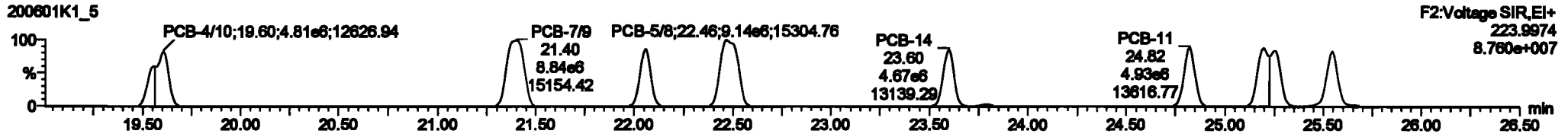
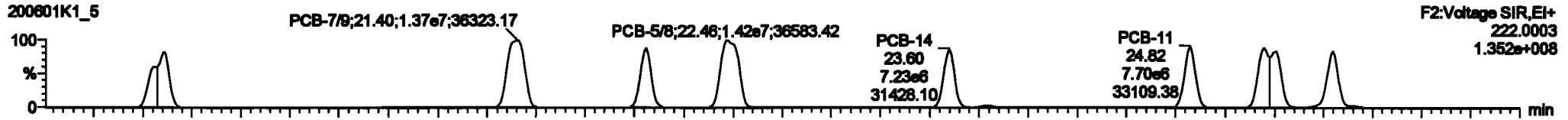


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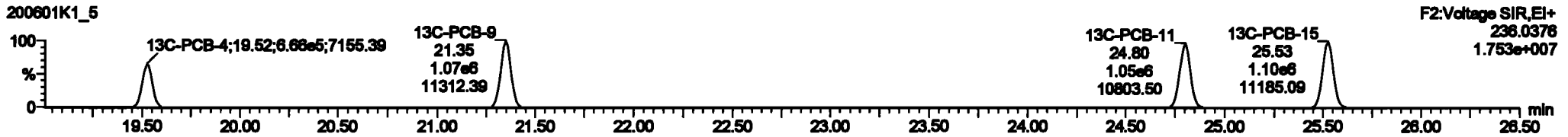
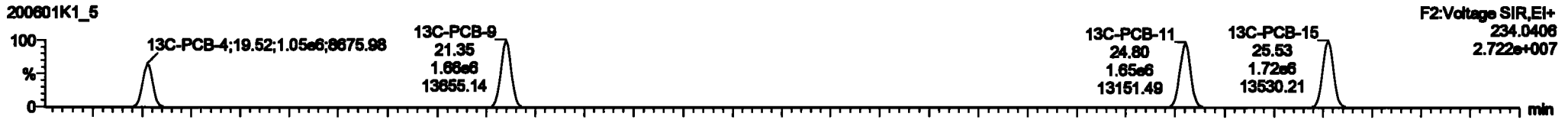
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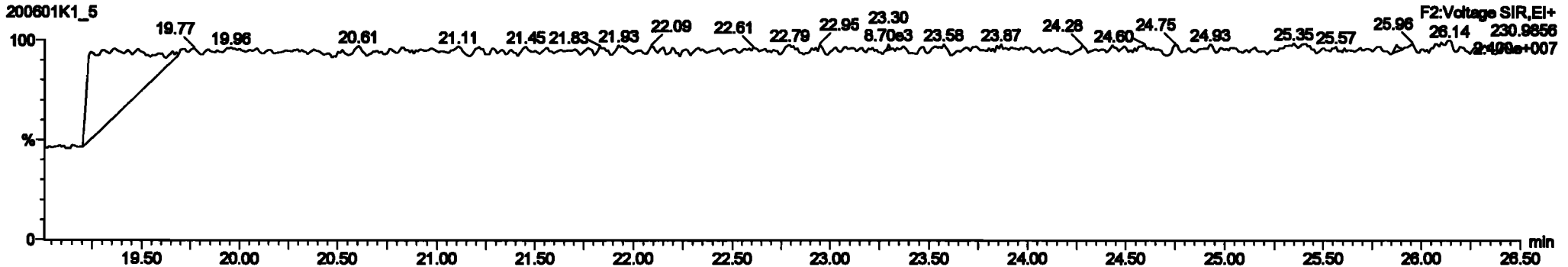
PCB-4/10



13C-PCB-4

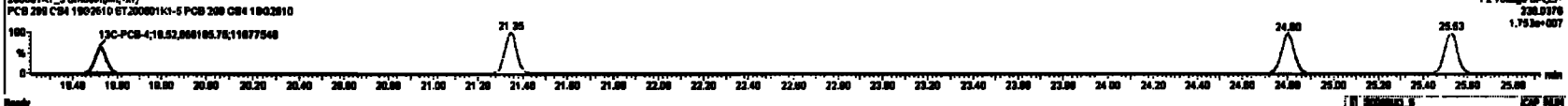
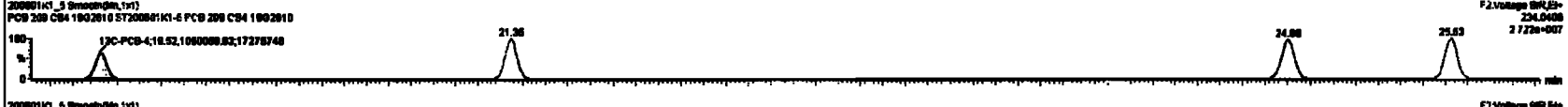
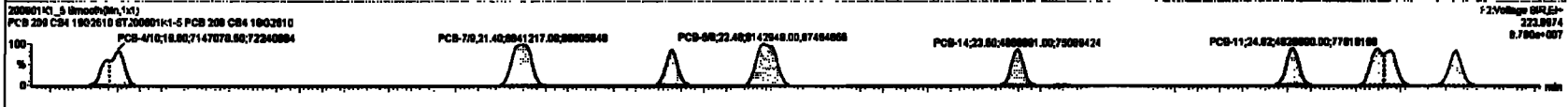
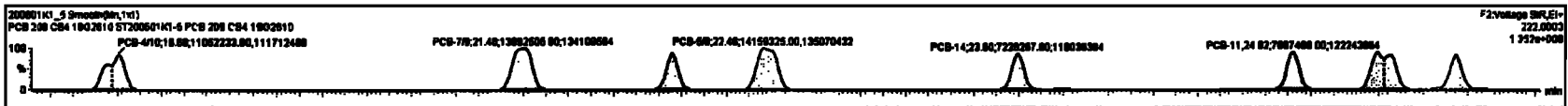


PFK2a



ID	Name	Step	Qty	Unit	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
220	13C-PCB-78	1.0000	0.78	NO	1.0000	1.0000	27.70	27.70	0.0000	0.0000	NO	67.40	67.4	0.0000		
221	13C-PCB-178	7.0000	0.44	NO	1.0000	1.0000	45.87	45.89	0.0000	0.0000	NO	67.10	67.2	0.0100		
222	Total Heavy PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	1280	1280	0.0000	1280	
223	1st Function PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	3007	3007	0.0100	3007	
224	2nd Function PCBs				0.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	6774	6774	0.0000	6774	
225	Total Extra PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	17000	17000	1.77	17000	
226	3rd Function PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	17400	17400	0.0000	17400	
227	4th Function PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	2120	2120	0.0000	2120	
228	5th Function PCBs				0.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	6676	6676	0.0000	6676	
229	6th Function PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	12140	12140	2.87	12140	
230	Total PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	101400	101400	4.90	101400	

ID	Name	Step	Qty	Unit	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
4	PCB-4A0	19.00	19.00	1.0000	7.5400	7.5400	1.00	1.00	NO	648.04	648.04			
5	PCB-7A0	21.41	21.40	1.0000	6.0000	6.0000	1.00	1.00	NO	688.04	688.04			
6	PCB-6	22.00	22.00	7.0000	4.0000	4.0000	1.00	1.00	NO	438.41	438.41			
7	PCB-8A	22.00	22.00	1.0000	6.5000	6.5000	1.00	1.00	NO	688.00	688.00			
8	PCB-4A	23.01	23.00	7.0000	4.0000	4.0000	1.00	1.00	NO	438.18	438.18			
9	PCB-4A	24.00	24.00	7.0000	4.0000	4.0000	1.00	1.00	NO	418.11	418.11			
10	PCB-12A0	26.20	26.20	1.0000	6.0000	6.0000	1.00	1.00	NO	688.27	688.27			
11	PCB-16	26.67	26.66	7.0000	4.0000	4.0000	1.00	1.00	NO	438.26	438.26			

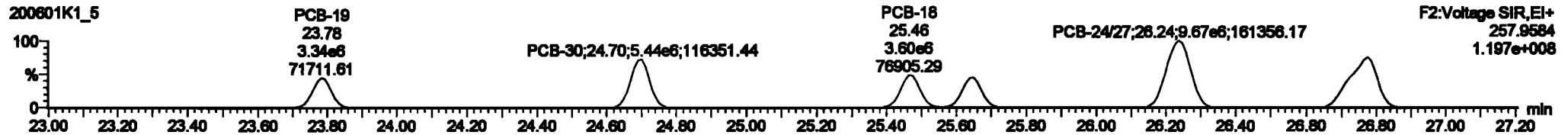


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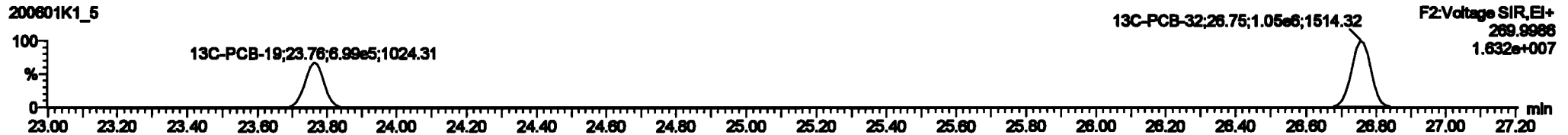
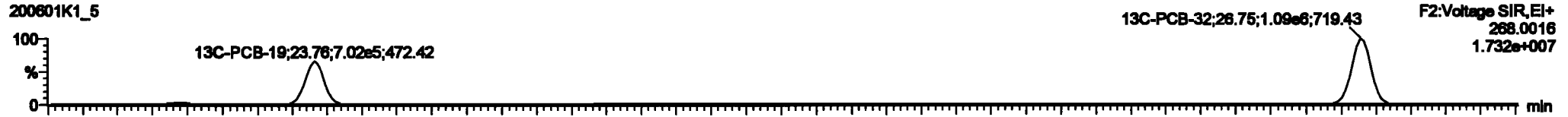
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

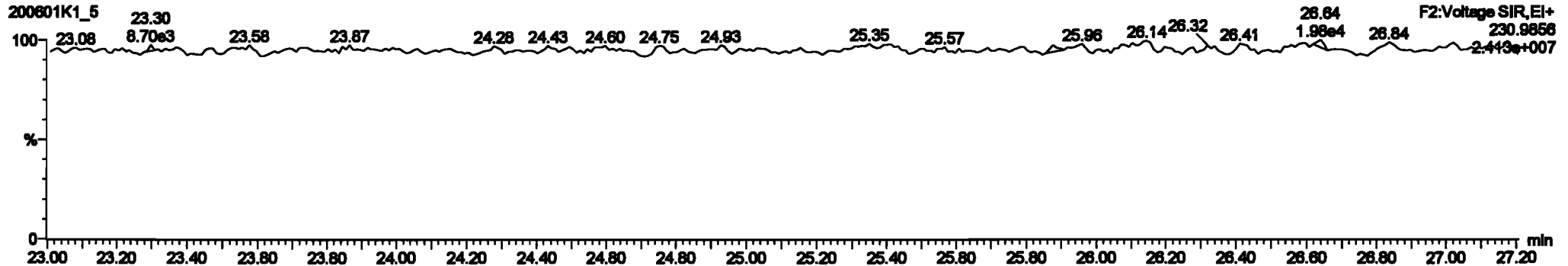
PCB-19



13C-PCB-19



PFK2b

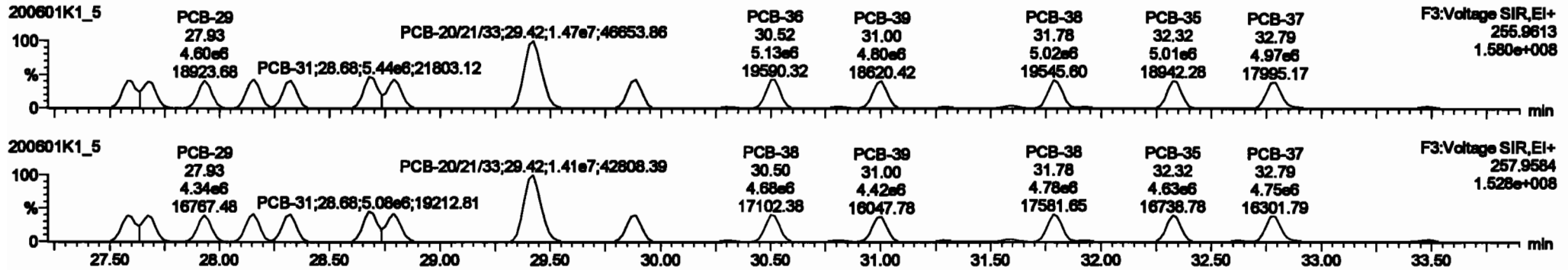


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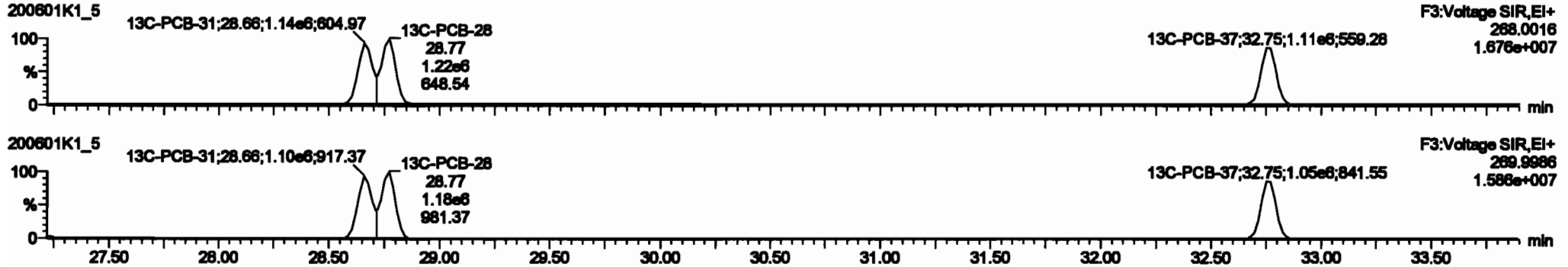
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

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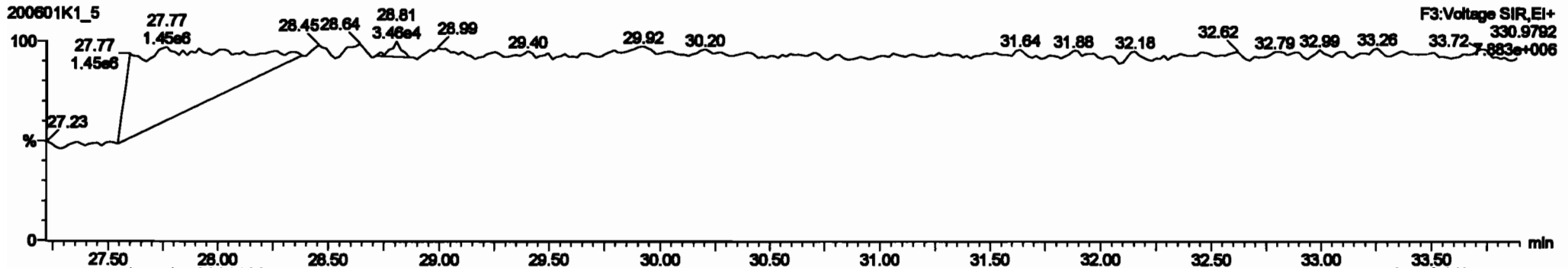
**PCB-34**



**13C-PCB-28**

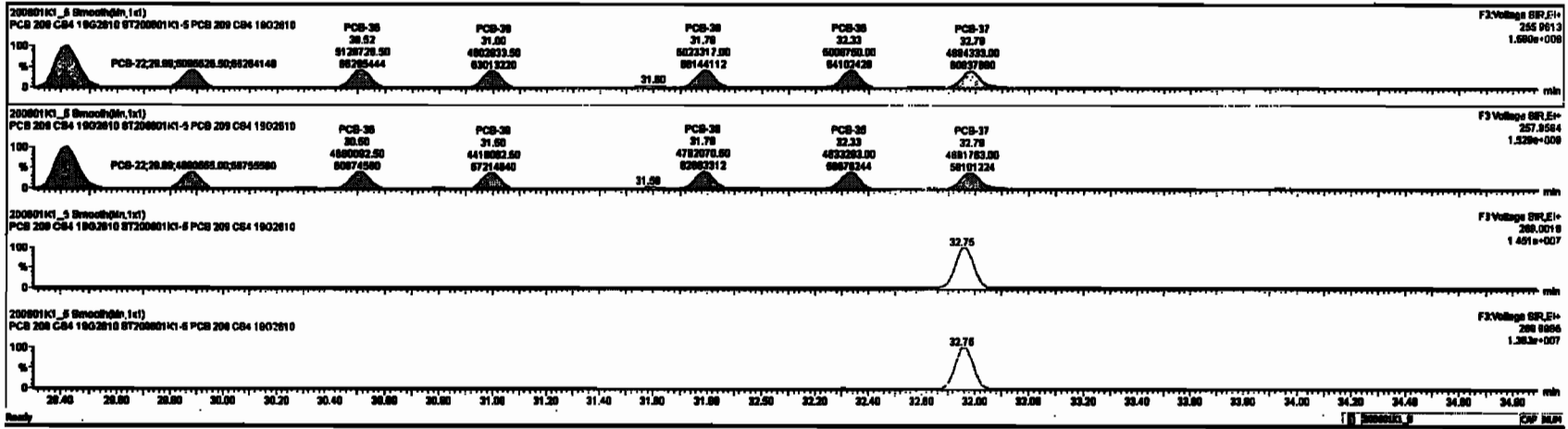


**PFK3d**



Sample	Area	Height	Width	Area%	Height%	Width%	Area	Height	Width	Area%	Height%	Width%	Area	Height	Width	Area%	Height%	Width%
220 13C-PCB-78	1.89e6	0.79	NO	1.0021	1.000	37.76	37.76	0.000	0.000	NO	97.42	97.4	0.0073					
220 13C-PCB-178	7.89e6	0.61	NO	1.0000	1.000	48.87	48.88	0.000	0.000	NO	97.18	97.2	0.112					
224 Total Mono-PCBs				1.1095	1.000	0.00	0.000			NO	1280		0.0081	1280				
224 Total Di-PCBs				1.0027	1.000	0.00	0.000			NO	6120		0.246	6120				
224 Total Purodion Tri-PCBs				1.0007	1.000	0.00	0.000			NO	3467		0.110	3467				
224 Total Tetra-PCBs				1.0770	1.000	0.00	0.000			NO	17600		1.27	17600				
224 Total Purodion Penta-PCBs				1.0167	1.000	0.00	0.000			NO	17480		0.004	17480				
224 Total Hexa-PCBs				1.0726	1.000	0.00	0.000			NO	2128		0.200	2128				
224 Total Purodion Hepta-PCBs				0.0000	1.000	0.00	0.000			NO	5974		0.400	5974				
224 Total Purodion Octa-PCBs				1.0916	1.000	0.00	0.000			NO	12140		2.87	12140				
224 Total Mono-ATPs				1.0000	1.000	0.00	0.000			NO	10180		4.00	10180				

Peak	Retention	Area	Height	Width	Area%	Height%	Width%	Area	Height	Width	Area%	Height%	Width%
18	27.80	27.80	4.00e6	4.20e6	1.00	1.00	NO	417.53	417.53				
19	27.87	27.87	4.00e6	4.20e6	1.00	1.00	NO	416.77	416.77				
20	27.95	27.95	4.00e6	4.20e6	1.00	1.00	NO	417.61	417.61				
21	28.10	28.10	4.00e6	4.20e6	1.00	1.00	NO	420.78	420.78				
22	28.31	28.32	4.70e6	4.81e6	1.00	1.04	NO	412.77	412.77				
23	28.80	28.80	5.40e6	5.07e6	1.00	1.07	NO	420.07	420.07				
24	28.78	28.78	5.30e6	5.08e6	1.00	1.00	NO	420.00	420.00				
25	28.43	28.43	1.47e7	1.48e7	1.00	1.00	NO	1276.0	1276.0				
26	28.87	28.88	6.00e6	4.80e6	1.00	1.00	NO	418.35	418.35				

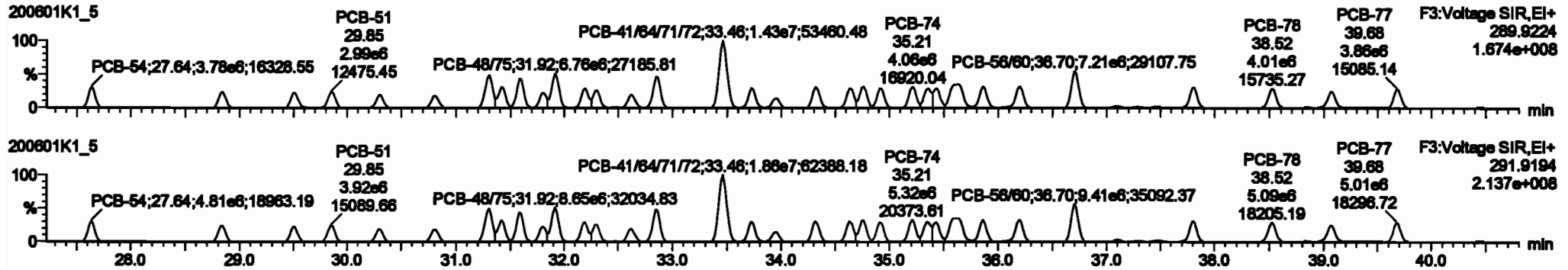


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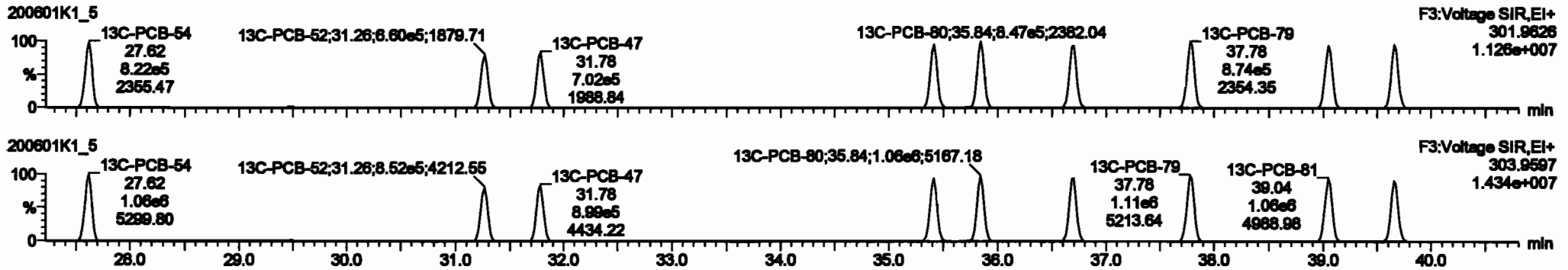
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 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

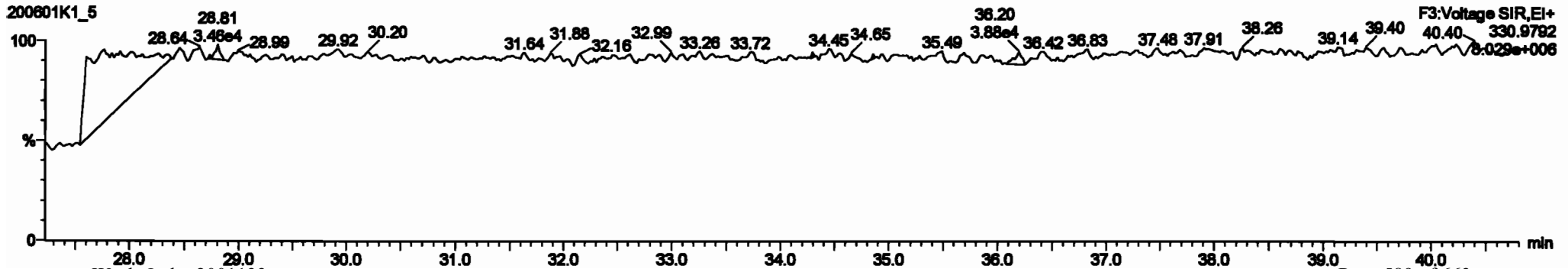
**PCB-54**



**13C-PCB-54**



**PFK3a**



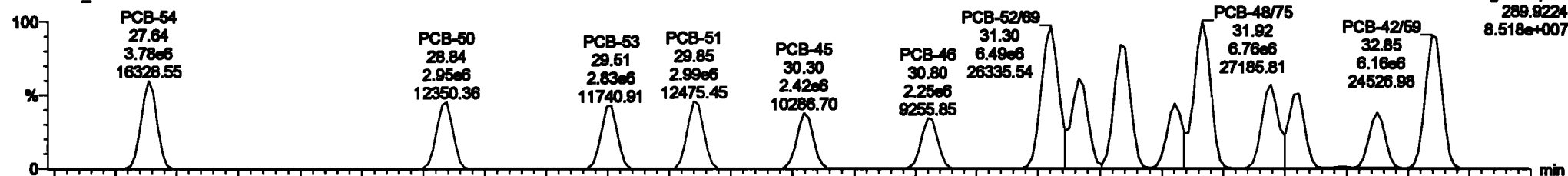
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

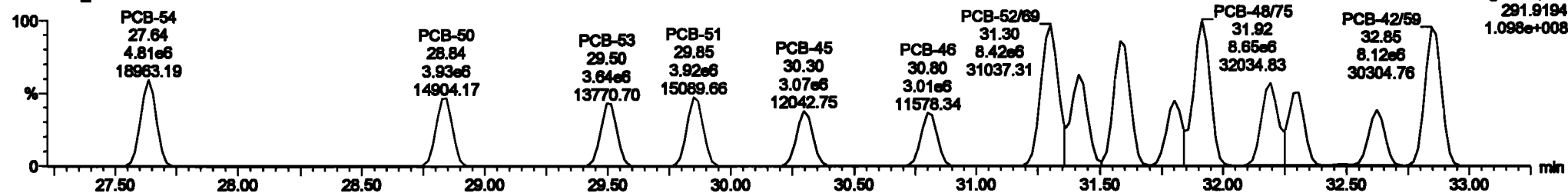
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PCB-50

200601K1\_5



200601K1\_5

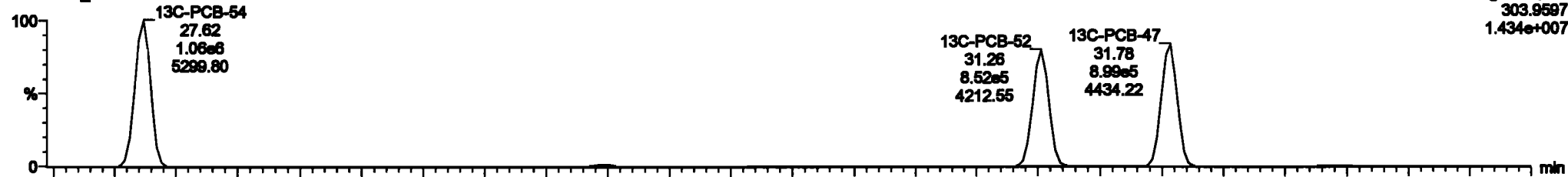


13C-PCB-52

200601K1\_5



200601K1\_5



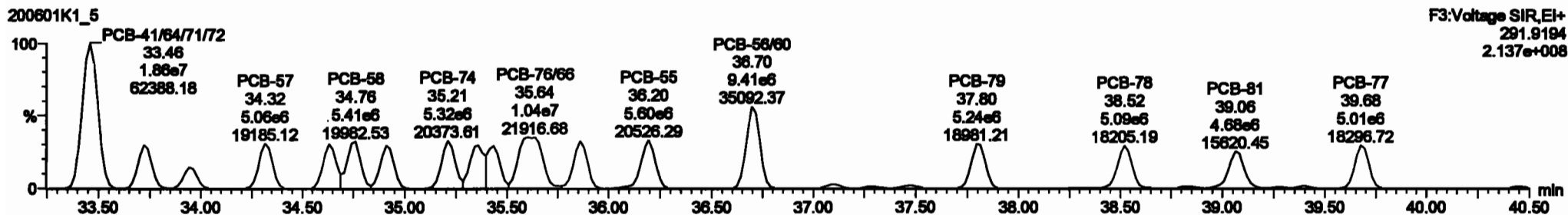
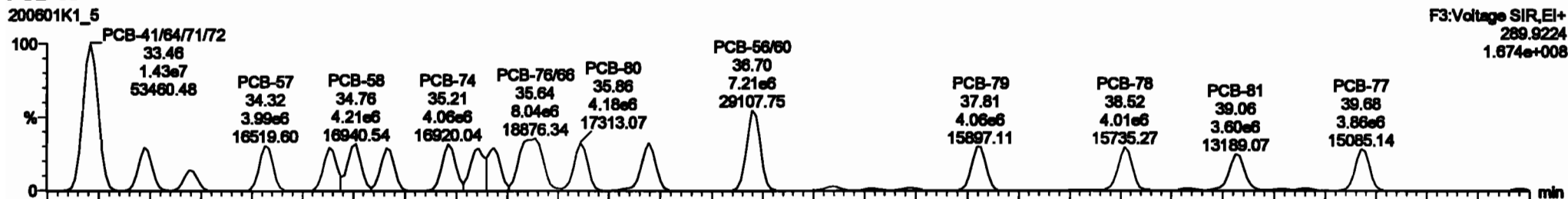


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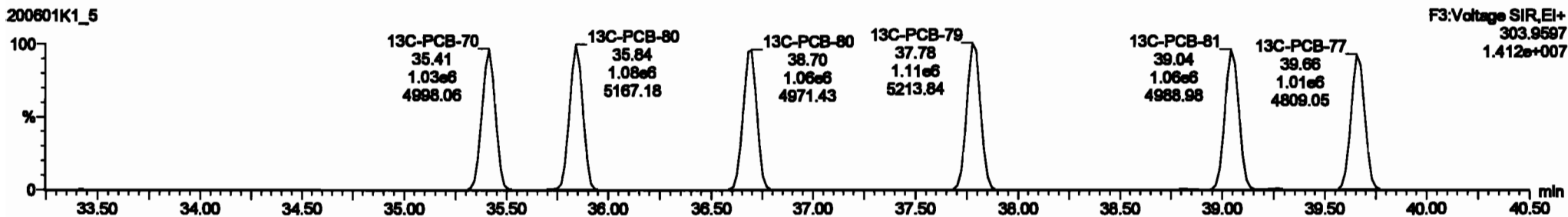
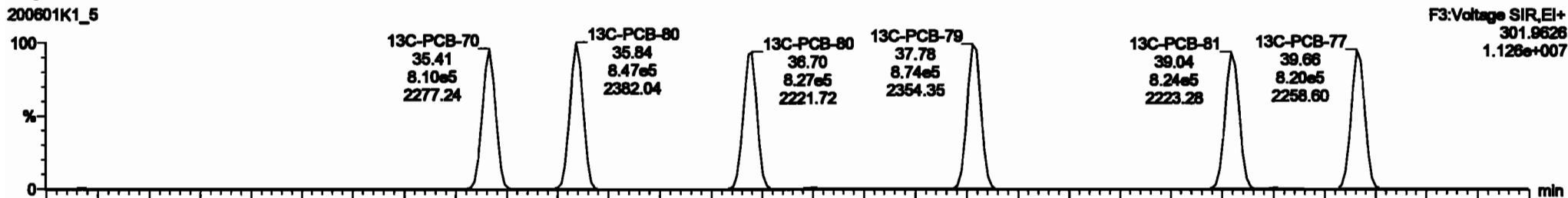
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Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

PCB-68

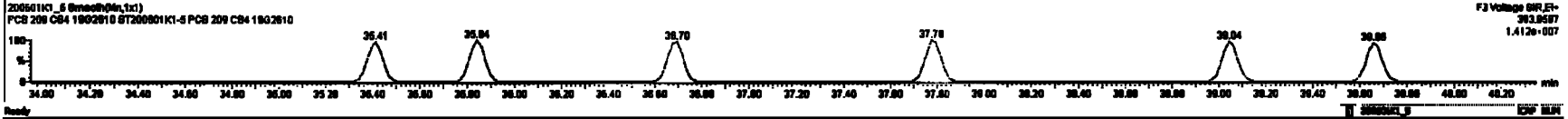
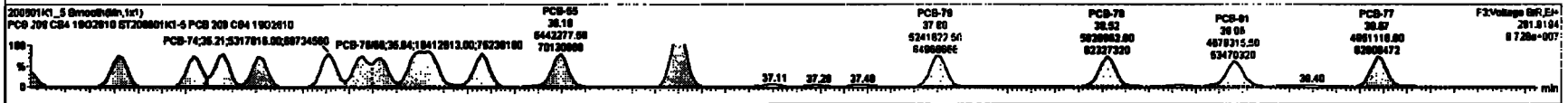
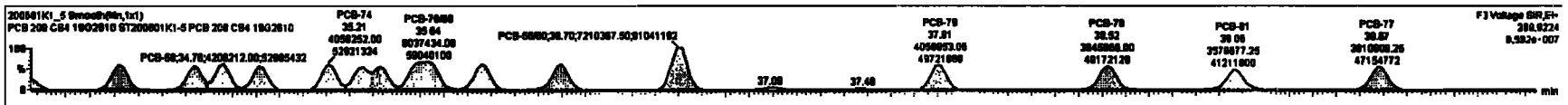


13C-PCB-60



#	Name	Range	Min	Max	Peak	Wave	Peak	WT	Peak	Area	Off	Off	Area	
222	13C-PCB-76	1.96e6	0.76	ND	1.021	1.000	37.76	0.000	0.000	ND	87.42	87.4	0.0273	
223	13C-PCB-77	7.95e6	0.44	ND	1.000	1.000	46.87	46.89	0.020	0.020	ND	87.16	87.2	0.112
224	Total Mono-PCBs				1.005	1.000	0.00	0.000	0.000	ND	1280		0.0384	
225	Total BI-PCBs				1.007	1.000	0.00	0.000	0.000	ND	8120		0.249	
226	2nd Function BI-PCBs				1.007	1.000	0.00	0.000	0.000	ND	3487		0.119	
227	2nd Function BI-PCBs				0.898	1.000	0.00	0.000	0.000	ND	8774		0.882	
228	2nd Function Para-PCBs				1.012	1.000	0.00	0.000	0.000	ND	17480		0.804	
229	4th Function Para-PCBs				1.0736	1.000	0.00	0.000	0.000	ND	2120		0.260	
230	2nd Function Hexa-PCBs				0.8938	1.000	0.00	0.000	0.000	ND	8576		0.403	
231	4th Function Hexa-PCBs				1.0919	1.000	0.00	0.000	0.000	ND	12140		2.87	
232	2328 Total Hexa-PCBs				1.3071	1.000	0.00	0.000	0.000	ND	8774		4.94	

#	Name	Peak	WT	off	off	off	off	off	off	off	off	off	off	off	off
1	30 PCB-84	37.84	37.84	3.79e6	4.812e6	0.770	0.78	ND	432.48	432.48					
2	30 PCB-85	38.80	38.84	2.89e6	3.87e6	0.770	0.78	ND	418.31	418.30					
3	34 PCB-83	38.80	38.81	2.89e6	3.87e6	0.770	0.78	ND	438.24	438.24					
4	30 PCB-81	38.80	38.85	2.89e6	3.87e6	0.770	0.78	ND	438.80	438.80					
5	30 PCB-82	38.30	38.30	2.81e6	3.87e6	0.770	0.78	ND	433.10	433.10					
6	37 PCB-86	38.80	38.80	2.84e6	3.81e6	0.770	0.78	ND	418.07	418.07					
7	30 PCB-8288	31.30	31.30	8.46e6	8.41e6	0.770	0.77	ND	846.12	846.12					
8	30 PCB-79	31.41	31.41	4.05e6	6.30e6	0.770	0.77	ND	431.89	431.89					
9	48 PCB-4396	31.39	31.39	9.97e6	7.25e6	0.770	0.77	ND	636.18	636.18					

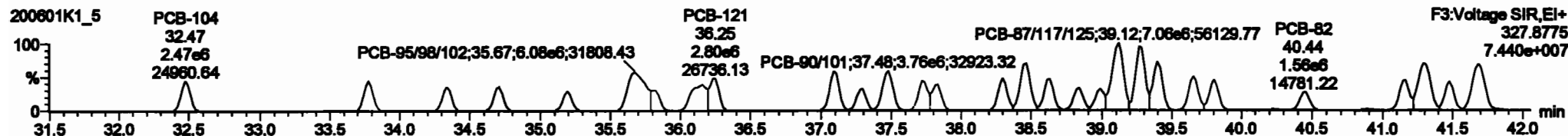
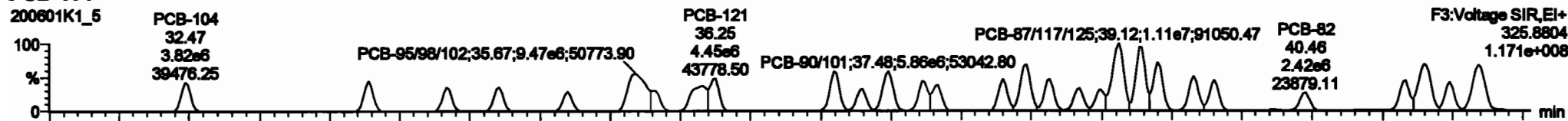


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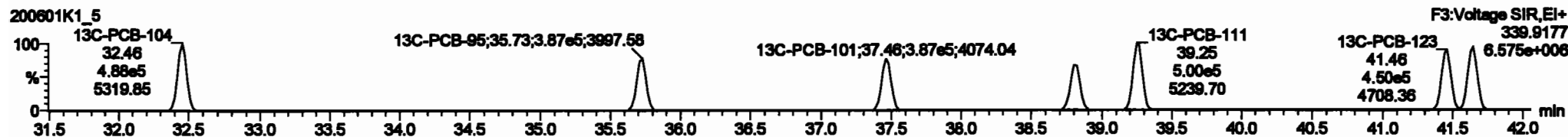
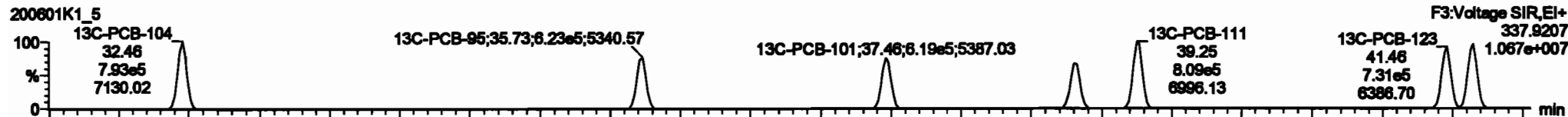
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Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

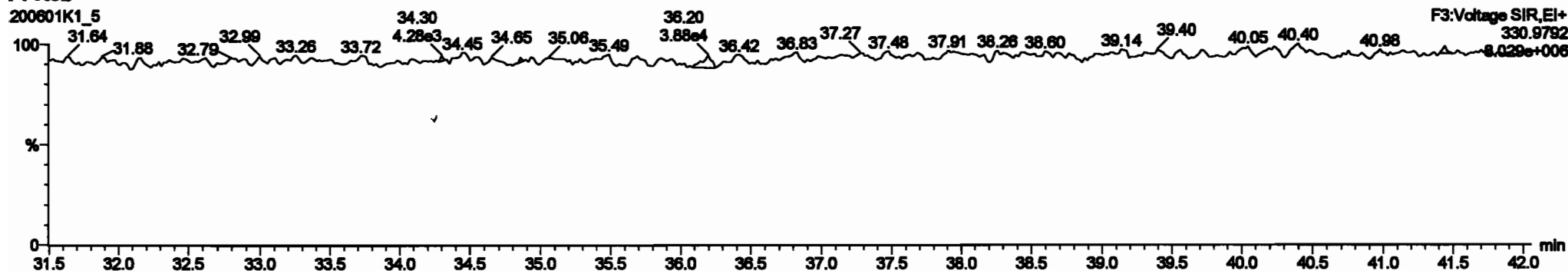
**PCB-104**



**13C-PCB-104**



**PFK3b**

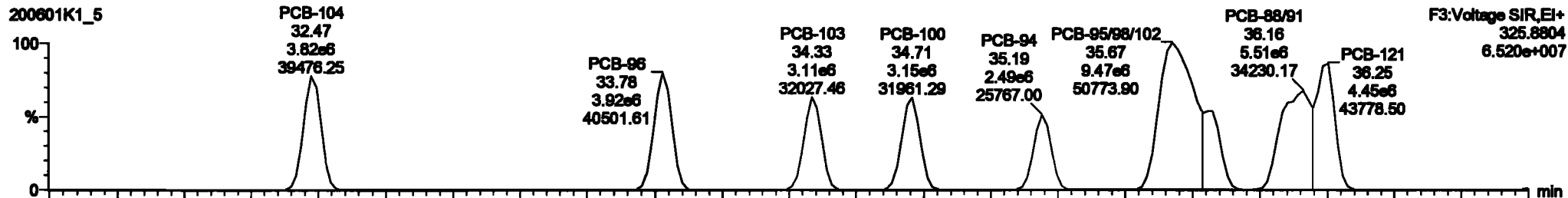


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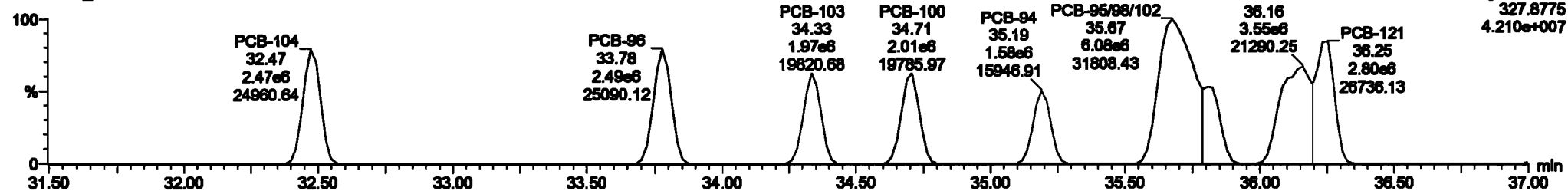
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**PCB-96**



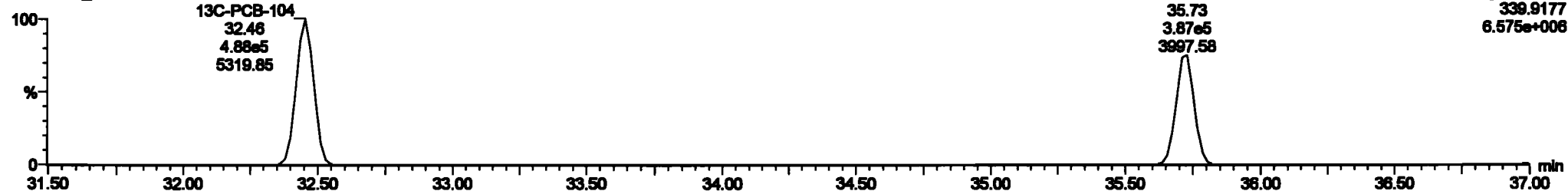
200601K1\_5



**13C-PCB-95**



200601K1\_5



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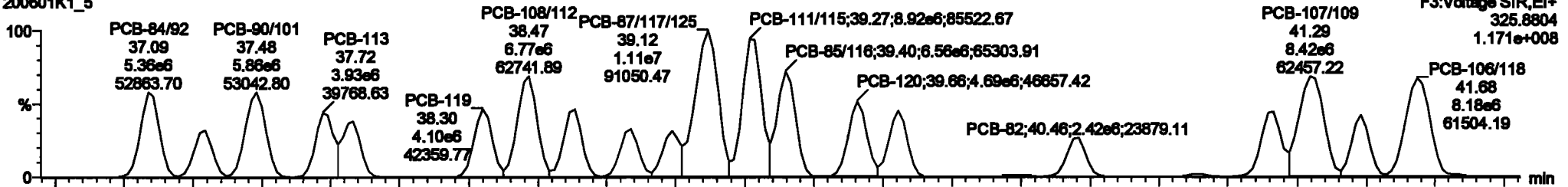
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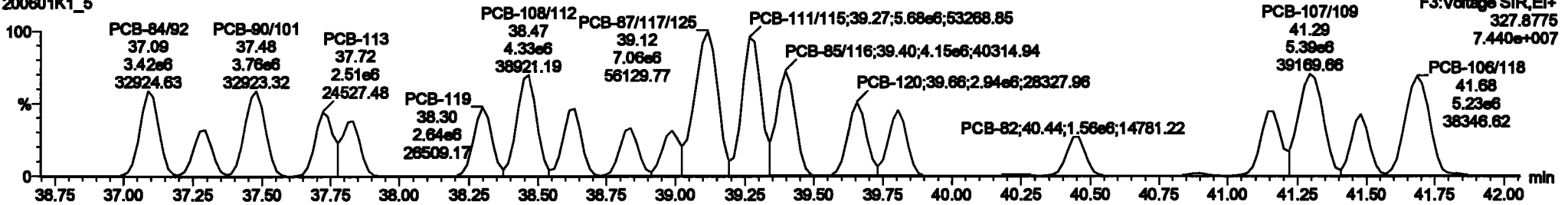
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PCB-119

200601K1\_5

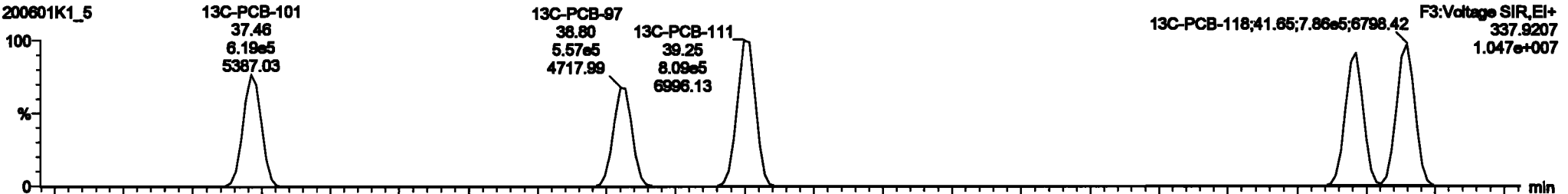


200601K1\_5

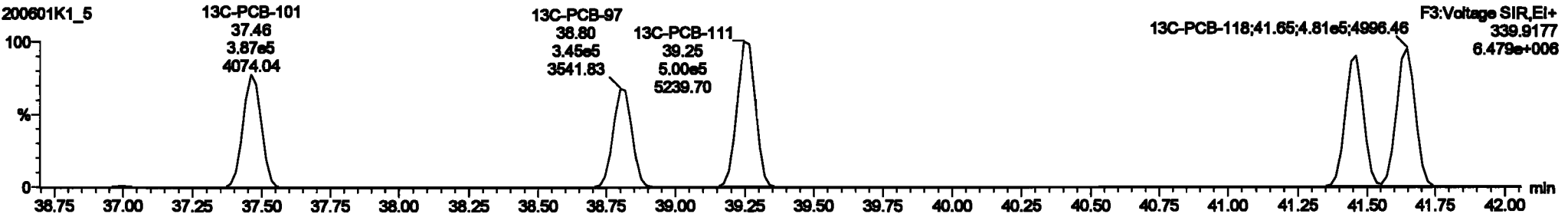


13C-PCB-111

200601K1\_5

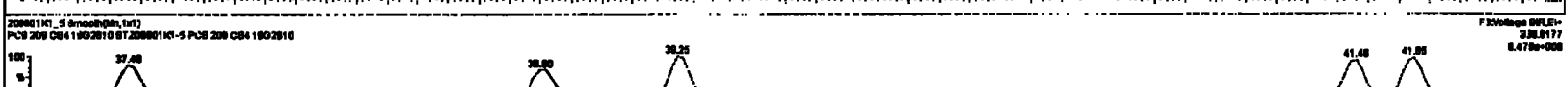
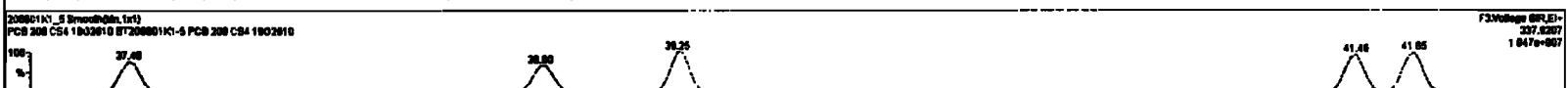
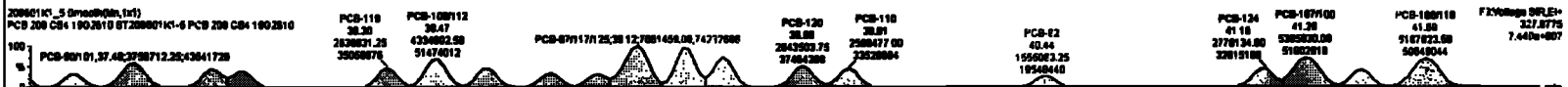
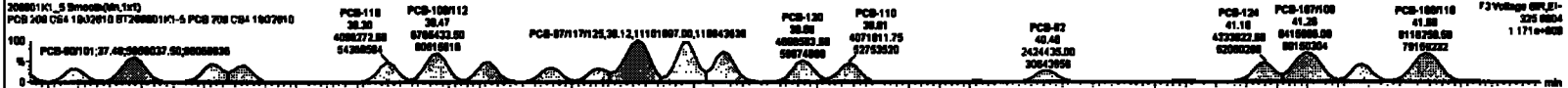


200601K1\_5



ID	Name	Depth	Area	Height	Width	Volume	Mass	Element	Count	Rate	Energy
220	13C-PCB-70	1.80e6	0.70	1.00e3	1.00e3	37.70	0.00	NO	87.20	87.20	0.110
221	13C-PCB-470	7.00e6	0.04	1.00e3	1.00e3	46.00	0.00	NO	97.10	97.2	0.110
224	Toluene-PCBs			1.00e3	1.00e3	0.00	0.00	NO	1200	0.000	1200
226	Toluene-PCBs			1.00e3	1.00e3	0.00	0.00	NO	50.00	0.300	50.00
228	2nd Fraction PA-PCBs			1.00e3	1.00e3	0.00	0.00	NO	3007	0.110	3007
229	2nd Fraction PA-PCBs			0.00e3	1.00e3	0.00	0.00	NO	6774	0.000	6774
230	Toluene-PCBs			1.00e3	1.00e3	0.00	0.00	NO	17000	1.77	17000
231	2nd Fraction PA-PCBs			1.00e3	1.00e3	0.00	0.00	NO	21.00	0.000	21.00
232	2nd Fraction PA-PCBs			0.00e3	1.00e3	0.00	0.00	NO	6976	0.000	6976
233	2nd Fraction PA-PCBs			1.00e3	1.00e3	0.00	0.00	NO	121.00	2.07	121.00
234	Toluene-PCBs			1.00e3	1.00e3	0.00	0.00	NO	97100	4.00	100000

ID	Name	Depth	Area	Height	Width	Volume	Mass	Element	Count	Rate	Energy
60	PCB-118	30.47	32.07	2.00e6	2.00e6	1.00e3	1.00e3	NO	437.50	437.50	
61	PCB-118	30.70	30.70	2.00e6	2.00e6	1.00e3	1.00e3	NO	430.70	430.70	
62	PCB-118	30.30	30.30	3.00e6	3.00e6	1.00e3	1.00e3	NO	432.00	432.00	
67	PCB-118	30.00	30.71	3.00e6	2.00e6	1.00e3	1.00e3	NO	432.07	432.07	
68	PCB-118	30.31	30.10	2.00e6	1.00e6	1.00e3	1.00e3	NO	434.07	434.07	
69	PCB-118	30.00	30.07	0.00e6	0.00e6	1.00e3	1.00e3	NO	1277.0	1277.0	
70	PCB-118	30.01	30.00	2.00e6	1.00e6	1.00e3	1.00e3	NO	401.00	401.00	
71	PCB-118	30.10	30.10	0.01e6	0.00e6	1.00e3	1.00e3	NO	001.00	001.00	
72	PCB-118	30.30	30.30	4.00e6	2.70e6	1.00e3	1.00e3	NO	010.70	010.70	

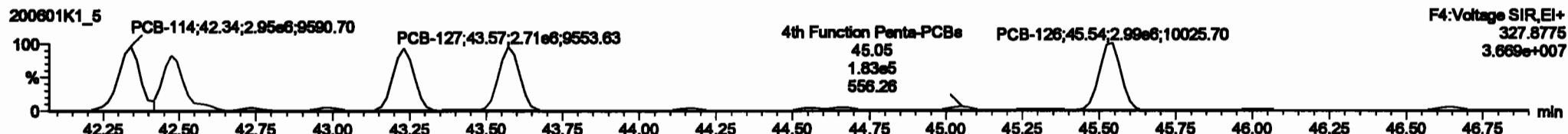
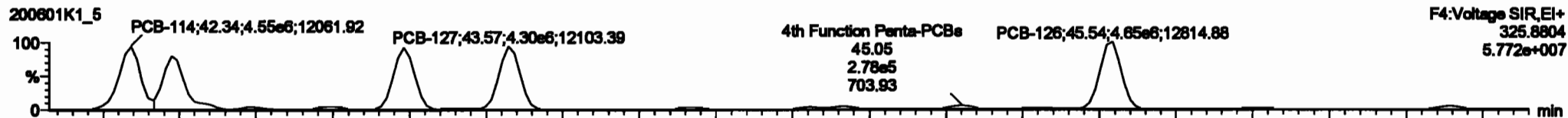


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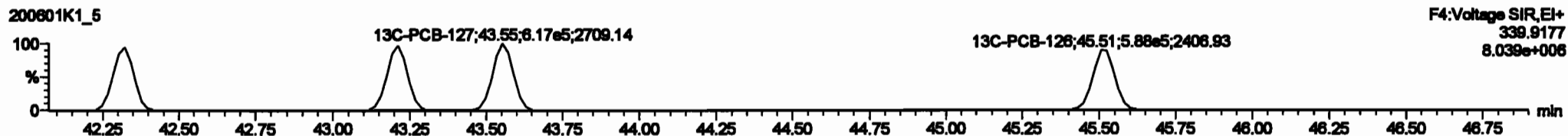
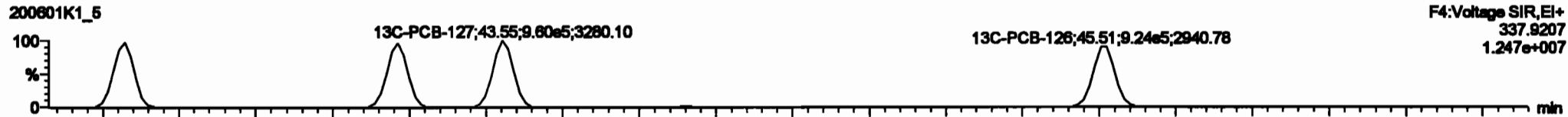
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Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

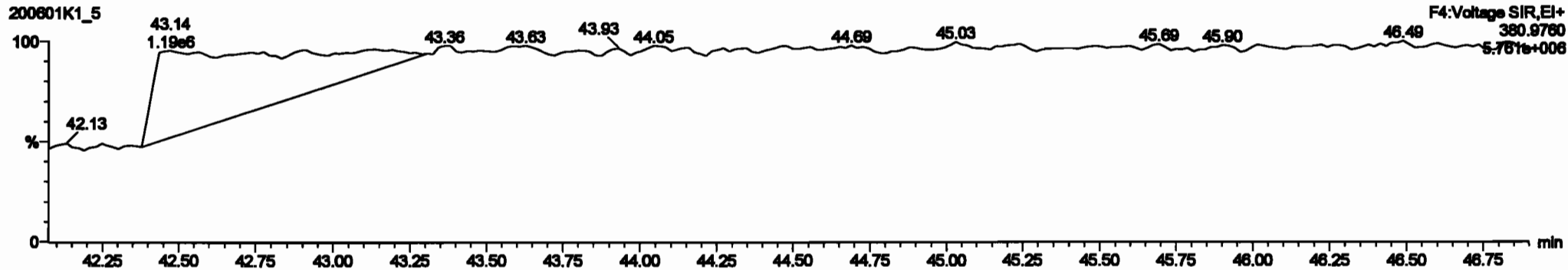
**PCB-114**



**13C-PCB-114**



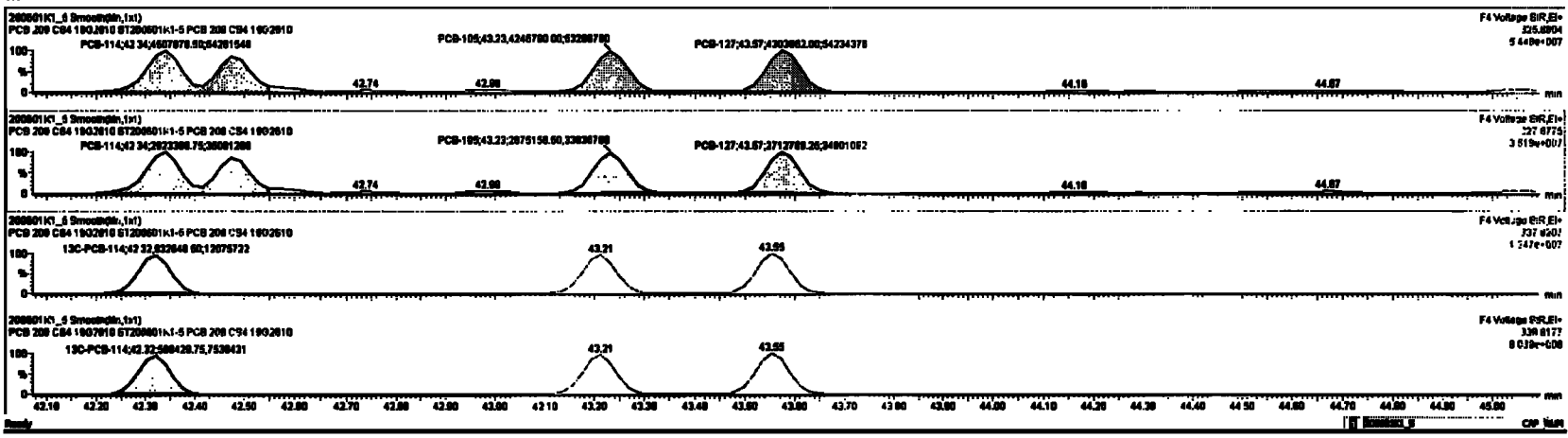
**PFK4a**





#	Comp	Range	RA	Q1	Q3	Min	Max	Width	Peak1	Peak2	Peak3	RA	Q1	Q3	Min	Max	Width	RA	Q1	Q3	Min	Max	Width	RA	Q1	Q3	Min	Max	Width	RA	Q1	Q3	Min	Max	Width
220	13C-PCB-78	1.80e5	0.78	NO	1.80e5	1.80e5	37.70	37.70	0.000	0.000	NO	0.78	0.78	NO	0.78	0.78	0.000	0.78	0.78	NO	0.78	0.78	0.000	0.78	0.78	NO	0.78	0.78	0.000	0.78	0.78	0.000	0.78	0.78	0.000
221	13C-PCB-178	7.80e5	0.84	NO	1.80e5	1.80e5	46.97	46.98	0.000	0.000	NO	0.84	0.84	NO	0.84	0.84	0.000	0.84	0.84	NO	0.84	0.84	0.000	0.84	0.84	NO	0.84	0.84	0.000	0.84	0.84	0.000	0.84	0.84	0.000
222	Total Mass-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000
223	Total PA-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000
224	2nd Generation PA-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000
225	2nd Generation PA-PCBs				0.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	0.80e5	1.80e5	NO	0.80e5	1.80e5	0.000	0.80e5	1.80e5	NO	0.80e5	1.80e5	0.000	0.80e5	1.80e5	NO	0.80e5	1.80e5	0.000	0.80e5	1.80e5	0.000	0.80e5	1.80e5	0.000
226	Total PA-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000
227	2nd Generation PA-PCBs				0.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	0.80e5	1.80e5	NO	0.80e5	1.80e5	0.000	0.80e5	1.80e5	NO	0.80e5	1.80e5	0.000	0.80e5	1.80e5	NO	0.80e5	1.80e5	0.000	0.80e5	1.80e5	0.000	0.80e5	1.80e5	0.000
228	Total PA-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000
229	2nd Generation PA-PCBs				1.31e5	1.80e5	0.00	0.00	0.000	0.000	NO	1.31e5	1.80e5	NO	1.31e5	1.80e5	0.000	1.31e5	1.80e5	NO	1.31e5	1.80e5	0.000	1.31e5	1.80e5	NO	1.31e5	1.80e5	0.000	1.31e5	1.80e5	0.000	1.31e5	1.80e5	0.000
230	2nd Generation PA-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000
231	2nd Generation PA-PCBs				0.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	0.80e5	1.80e5	NO	0.80e5	1.80e5	0.000	0.80e5	1.80e5	NO	0.80e5	1.80e5	0.000	0.80e5	1.80e5	NO	0.80e5	1.80e5	0.000	0.80e5	1.80e5	0.000	0.80e5	1.80e5	0.000
232	4th Generation PA-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000
233	Total PA-PCBs				1.80e5	1.80e5	0.00	0.00	0.000	0.000	NO	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	NO	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000	1.80e5	1.80e5	0.000

#	Comp	Range	RA	Q1	Q3	Min	Max	Width	Peak1	Peak2	Peak3	RA	Q1	Q3	Min	Max	Width	RA	Q1	Q3	Min	Max	Width	RA	Q1	Q3	Min	Max	Width	RA	Q1	Q3	Min	Max	Width		
80	PCB-114		42.34	42.34	4.80e6	2.80e6	1.80e5	1.84	NO	428.12	428.12																										
81	PCB-122		42.69	42.67	3.80e6	2.80e6	1.80e5	1.85	NO	416.27	416.27																										
82	PCB-105		43.23	43.23	4.20e6	2.80e6	1.80e5	1.88	NO	430.88	430.88																										
83	PCB-127		43.87	43.87	4.20e6	2.71e6	1.80e5	1.88	NO	428.18	428.18																										
84	PCB-128		48.57	48.54	4.80e6	2.80e6	1.80e5	1.88	NO	430.88	430.88																										



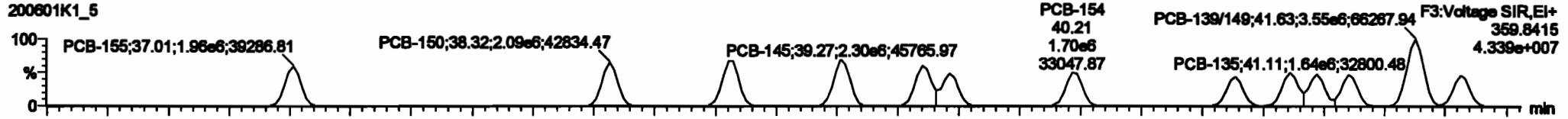
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

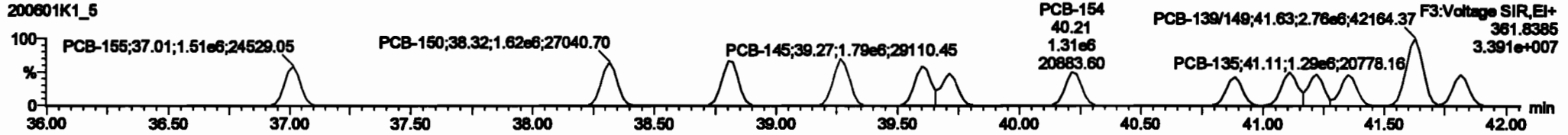
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**PCB-155**

200601K1\_5

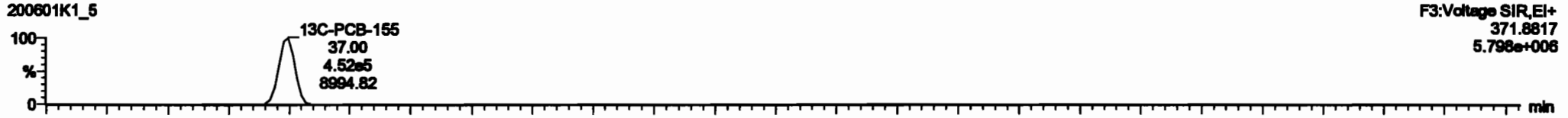


200601K1\_5

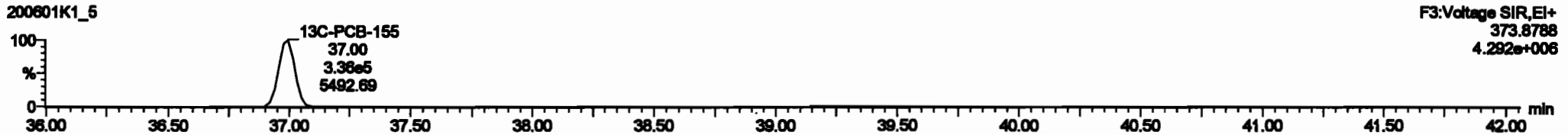


**13C-PCB-155**

200601K1\_5

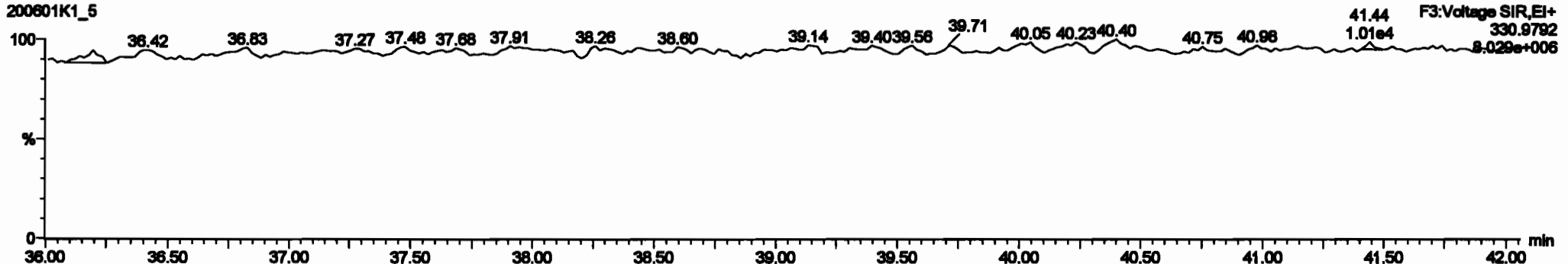


200601K1\_5



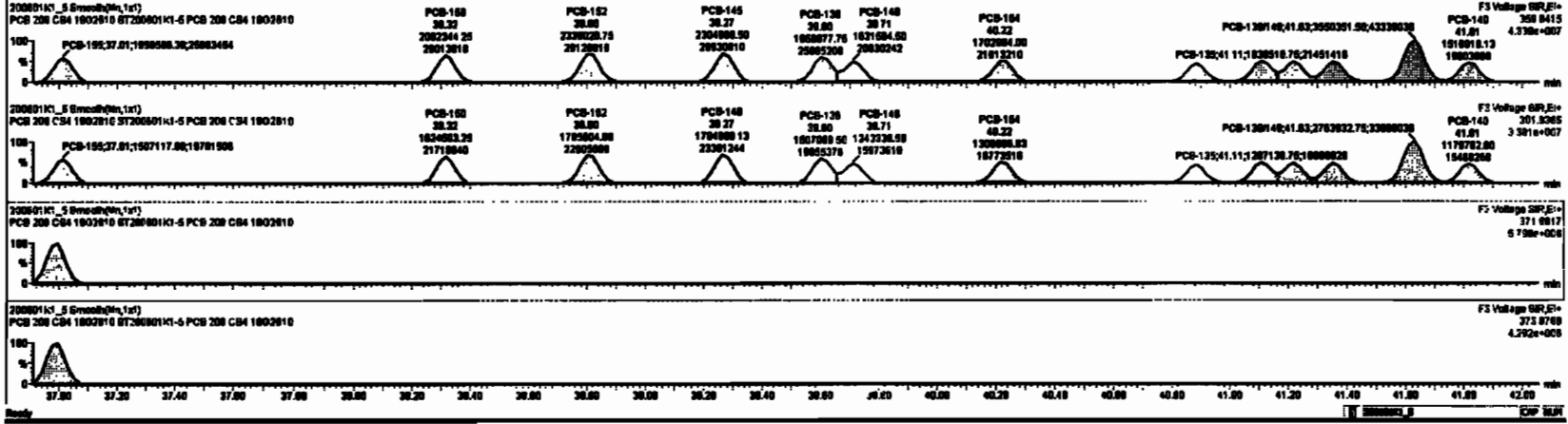
**PFK3c**

200601K1\_5



ID	Step	Step	RM	RM	OPF	Calcd	Planned	RE	Prod.R.	Yield	OPF Pct	Chgs	Unit	EA	EMPC
222	12C-PCB-178	1.80nd	0.78	ND	1.0001	1.000	37.78	37.78	0.000	0.000	ND	87.43	87.4	0.0073	
223	12C-PCB-178	7.80nd	0.64	ND	1.0000	1.000	48.87	48.88	0.023	0.023	ND	87.18	87.2	0.112	
224	Total Micro-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	ND	1200	0.0201	1200	
225	Total 0-PCBs				1.0007	1.000	0.00	0.000	0.000	0.000	ND	8130	0.2400	8130	
226	2nd Paraffin 0-PCBs				1.0007	1.000	0.00	0.000	0.000	0.000	ND	3407	0.1100	3407	
227	2nd Paraffin 0-PCBs				0.8628	1.000	0.00	0.000	0.000	0.000	ND	8774	0.0803	8774	
228	Total Tube-PCBs				1.0776	1.000	0.00	0.000	0.000	0.000	ND	17000	1.37	17000	
229	2nd Paraffin Tube-PCBs				1.2187	1.000	0.00	0.000	0.000	0.000	ND	17000	0.804	17000	
230	4th Paraffin Tube-PCBs				1.0735	1.000	0.00	0.000	0.000	0.000	ND	2128	0.260	2128	
231	Total Paraffin Tube-PCBs				1.0735	1.000	0.00	0.000	0.000	0.000	ND	2128	0.260	2128	
232	4th Paraffin Tube-PCBs				1.0735	1.000	0.00	0.000	0.000	0.000	ND	2128	0.260	2128	
233	Total Micro-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	ND	10000	4.00	10000	

ID	Step	Step	RM	RM	OPF	Calcd	Planned	RE	Prod.R.	Yield	OPF Pct	Chgs	Unit	EA	EMPC
80	PCB-100	37.80	37.81	1.80nd	1.00nd	1.200	1.20	ND	421.45	421.45					
81	PCB-100	38.30	38.30	2.00nd	1.00nd	1.20	1.20	ND	438.01	438.01					
82	PCB-100	38.80	38.80	2.20nd	1.70nd	1.20	1.21	ND	441.48	441.48					
83	PCB-140	38.30	38.27	1.80nd	1.70nd	1.20	1.20	ND	438.01	438.01					
84	PCB-130	38.80	38.80	1.80nd	1.20nd	1.20	1.20	ND	438.01	438.01					
85	PCB-140	38.77	38.71	1.80nd	1.20nd	1.20	1.21	ND	438.70	438.70					
86	PCB-100	40.20	40.20	1.20nd	1.20nd	1.20	1.20	ND	418.00	418.00					
87	PCB-100	40.80	40.80	1.40nd	1.10nd	1.20	1.21	ND	418.30	418.30					
88	PCB-130	41.13	41.11	1.80nd	1.20nd	1.20	1.27	ND	480.82	480.82					

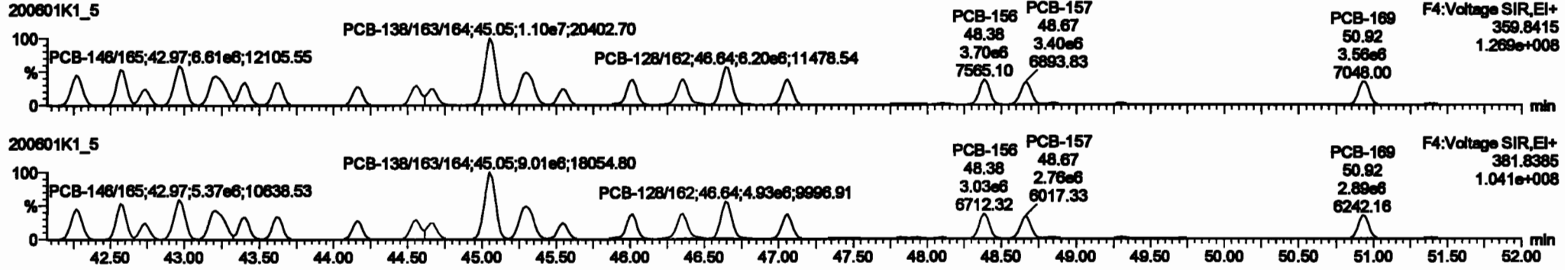


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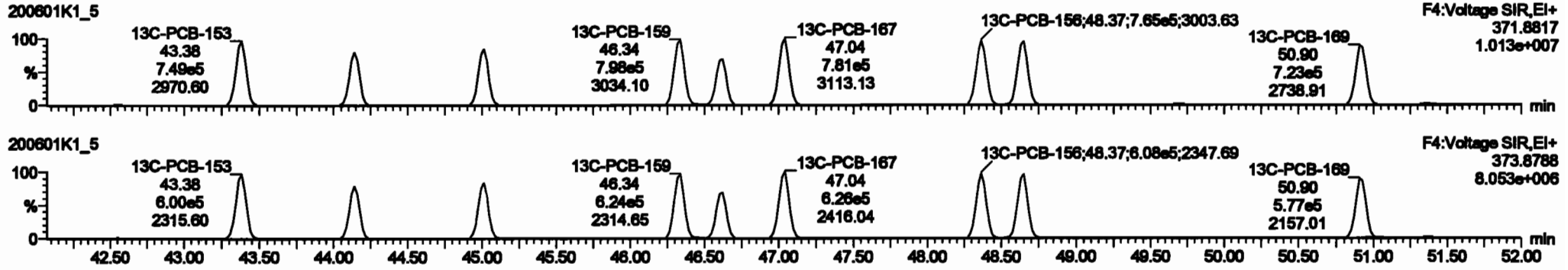
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Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

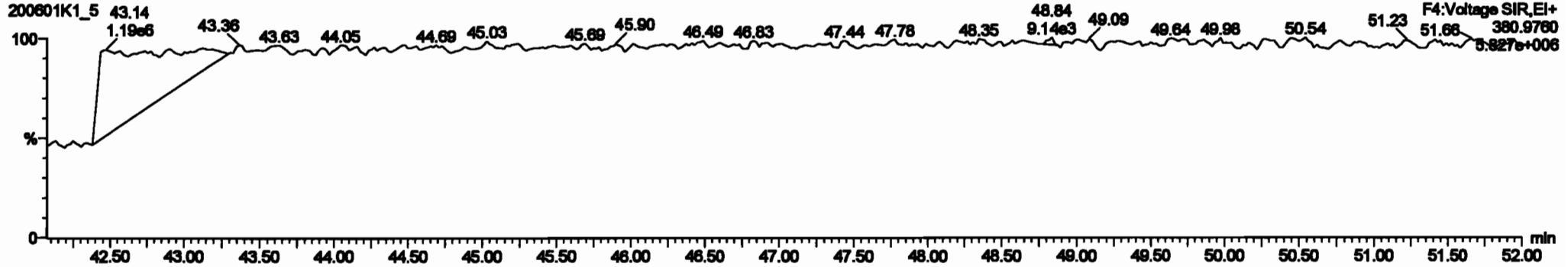
**PCB-134/143**



**13C-PCB-153**

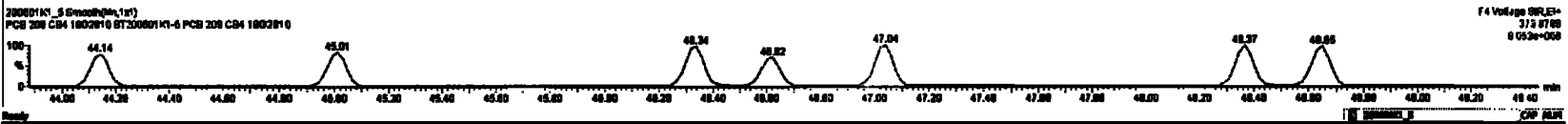
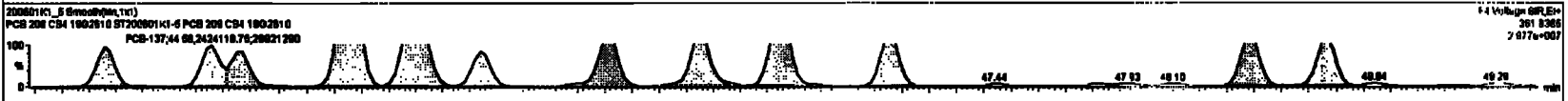
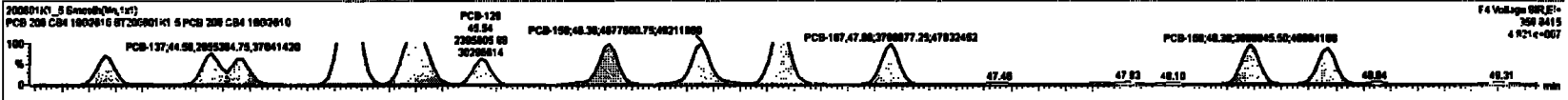


**PFK4b**



#	Sample	Range	Unit	Min	Max	Mean	Std Dev	Peak	Area	Height	Width	Area%	Height%	Area%	Height%
222	13C-PCB-78	1.80e6	0.78	ND	1.80e6	1.80e6	37.76	37.76	0.000	0.000	ND	07.40	07.4	0.0079	
223	13C-PCB-79	7.80e6	0.44	ND	1.80e6	1.80e6	48.07	48.08	0.000	0.000	ND	07.10	07.2	0.1172	
224	Total Mono-PCBs				1.80e6	1.80e6	0.00	0.00	0.000	0.000	ND	12.50		0.0001	1.200
225	Total Di-PCBs				1.80e6	1.80e6	0.00	0.00	0.000	0.000	ND	01.50		0.240	01.20
226	2nd Function Tri-PCBs				1.80e6	1.80e6	0.00	0.00	0.000	0.000	ND	24.07		0.110	24.07
227	3rd Function Tri-PCBs				0.80e6	1.80e6	0.00	0.00	0.000	0.000	ND	07.74		0.002	07.74
228	Total Tetra-PCBs				1.07e6	1.80e6	0.00	0.00	0.000	0.000	ND	17.00		1.37	17.00
229	2nd Function Penta-PCBs				1.31e6	1.80e6	0.00	0.00	0.000	0.000	ND	17.00		0.001	17.00
230	4th Function Penta-PCBs				1.07e6	1.80e6	0.00	0.00	0.000	0.000	ND	21.30		0.20	21.30
231	2nd Function Hexa-PCBs				0.80e6	1.80e6	0.00	0.00	0.000	0.000	ND	00.70		0.40	00.70
232	Total Hexa-PCBs				1.80e6	1.80e6	0.00	0.00	0.000	0.000	ND	00.00		0.00	00.00
233	232nd Total Hexa-PCBs				1.80e6	1.80e6	0.00	0.00	0.000	0.000	ND	00.00		0.00	00.00

#	Sample	Peak	Area	Height	Width	Area%	Height%	Area%	Height%
111	PCB-137A40	42.30	42.30	0.012e6	4.00e6	1.20	1.20	ND	000.01
112	PCB-137A20	42.80	42.87	0.30e6	4.30e6	1.20	1.20	ND	001.00
113	PCB-142	42.74	42.74	2.30e6	1.01e6	1.20	1.20	ND	430.01
114	PCB-149B8	42.80	42.87	0.80e6	0.50e6	1.20	1.20	ND	073.40
115	PCB-120B1	43.27	43.21	0.87e6	0.20e6	1.20	1.20	ND	001.20
116	PCB-140	43.40	43.40	2.47e6	2.70e6	1.20	1.20	ND	427.00
117	PCB-140	43.60	43.60	0.60e6	0.20e6	1.20	1.20	ND	020.70
118	PCB-141	44.10	44.10	2.74e6	2.10e6	1.20	1.20	ND	420.40
119	PCB-137	44.50	44.50	3.00e6	2.42e6	1.20	1.20	ND	431.50



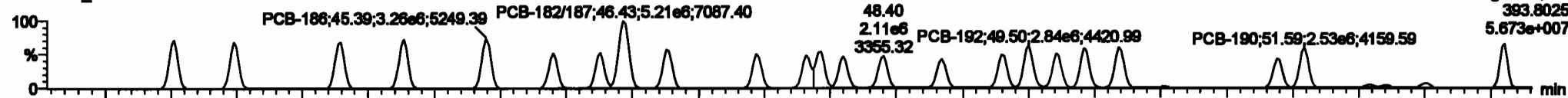
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

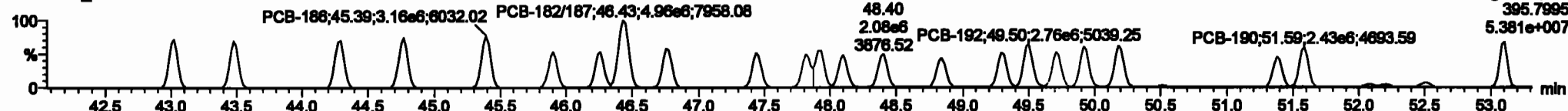
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**PCB-188**

200601K1\_5

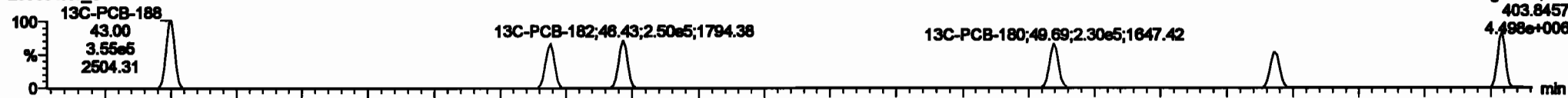


200601K1\_5

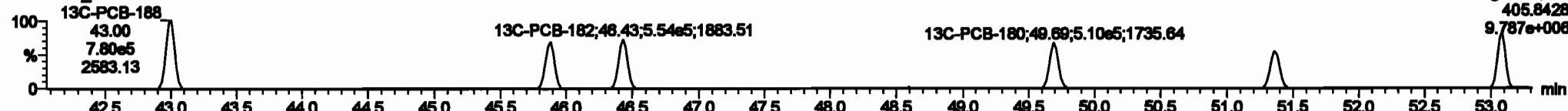


**13C-PCB-188**

200601K1\_5

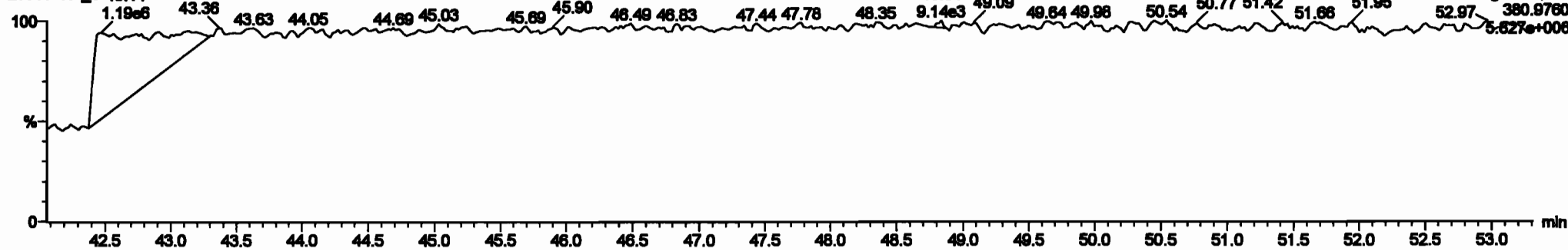


200601K1\_5



**PFK4c**

200601K1\_5



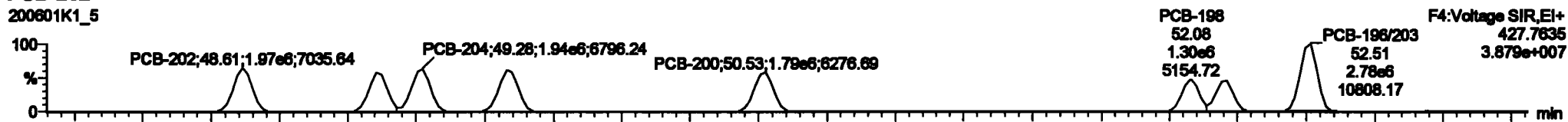
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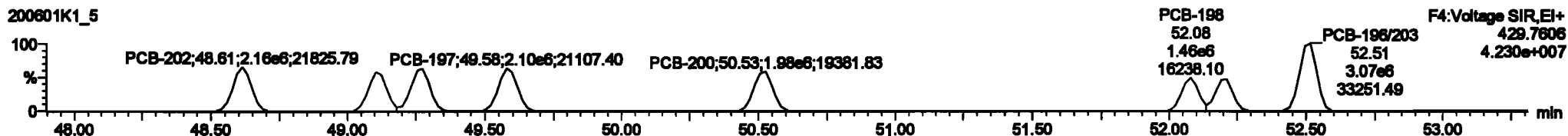
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**PCB-202**

200601K1\_5

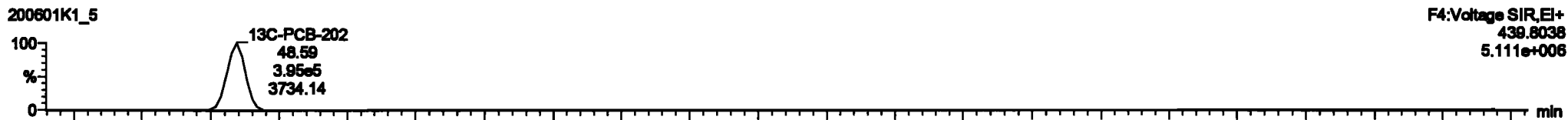


200601K1\_5

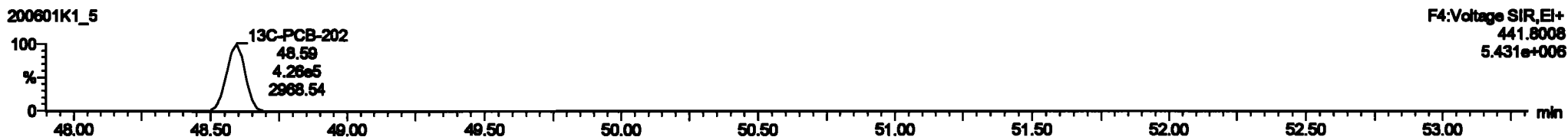


**13C-PCB-202**

200601K1\_5

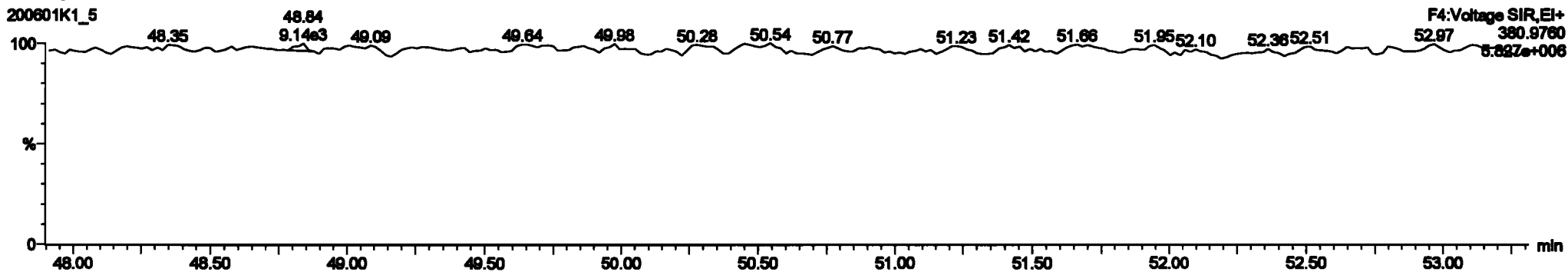


200601K1\_5



**PFK4d**

200601K1\_5





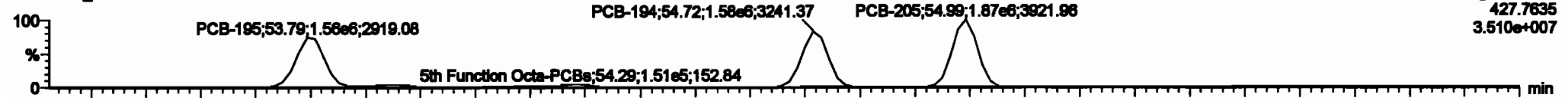
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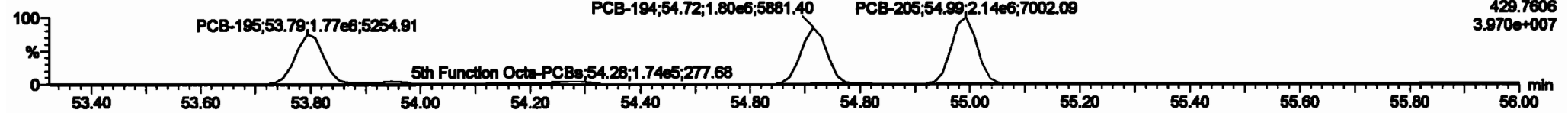
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PCB-195

200601K1\_5

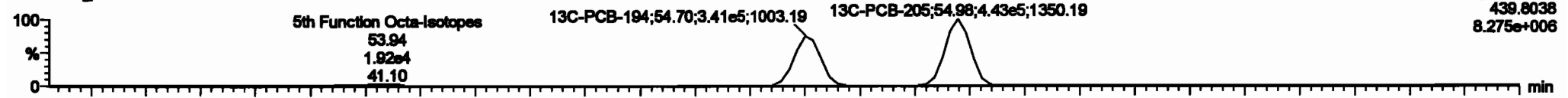


200601K1\_5

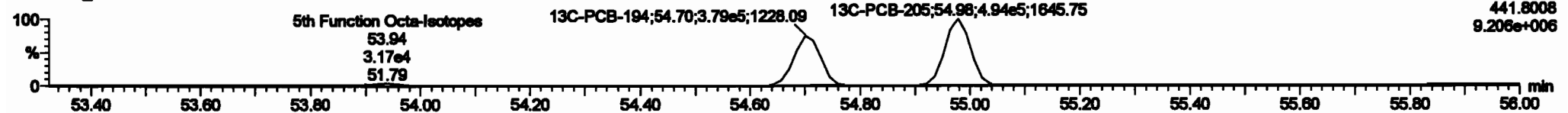


13C-PCB-194

200601K1\_5

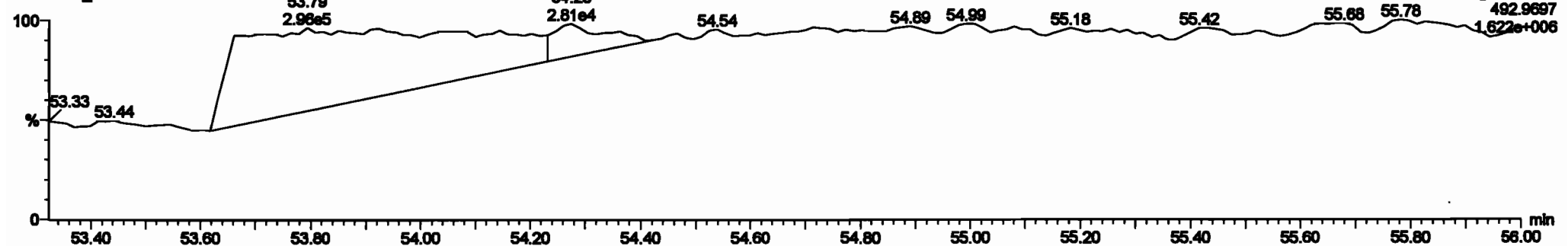


200601K1\_5



PFK5a

200601K1\_5



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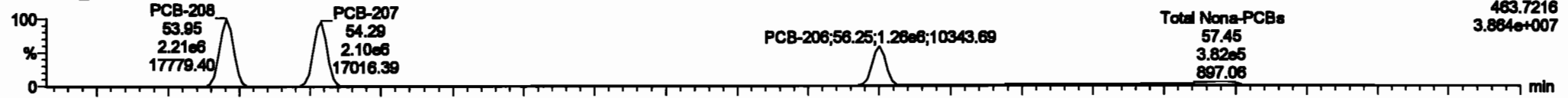
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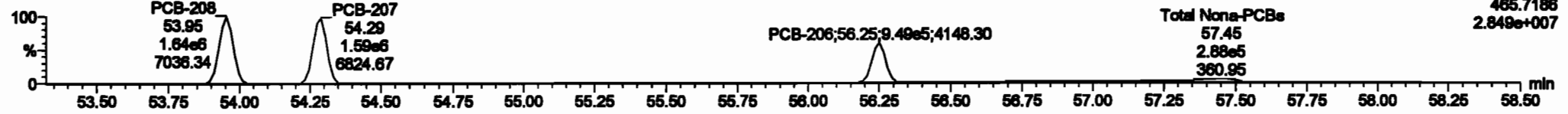
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**PCB-208**

200601K1\_5

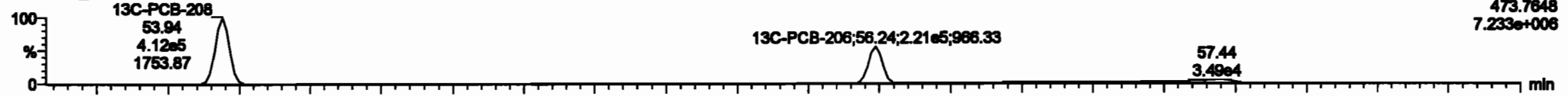


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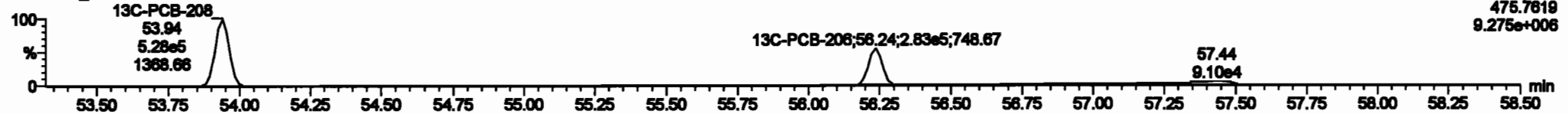


**13C-PCB-208**

200601K1\_5

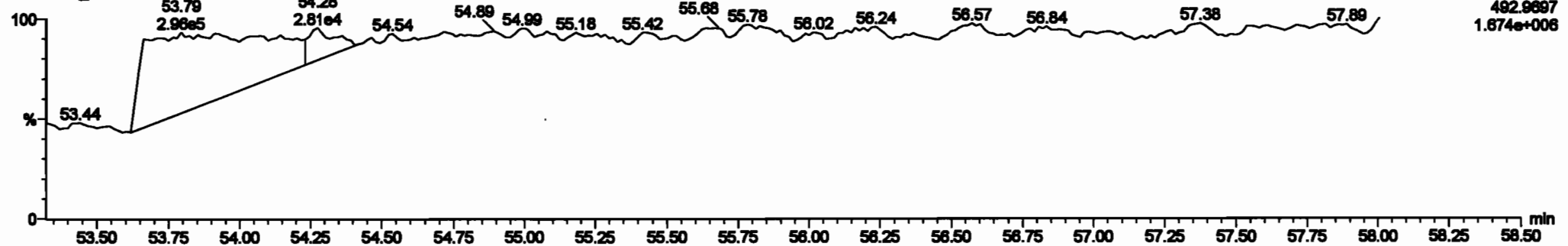


200601K1\_5



**PFK5**

200601K1\_5



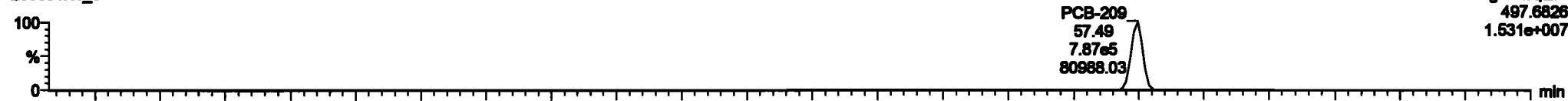
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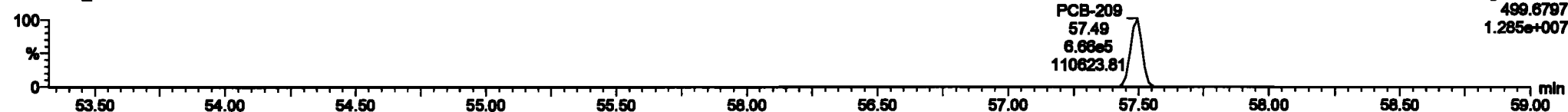
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**PCB-209**

200601K1\_5

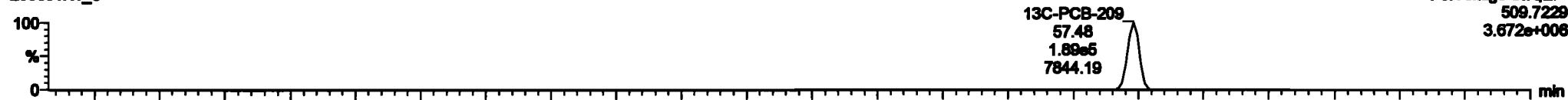


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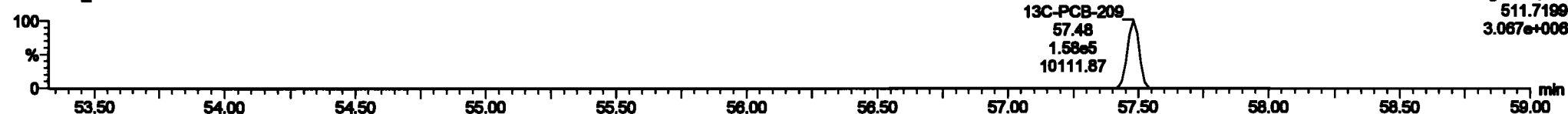


**13C-PCB-209**

200601K1\_5

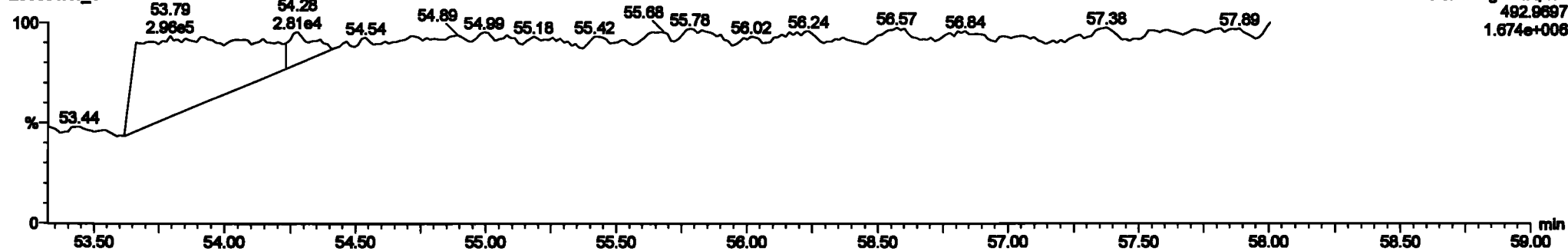


200601K1\_5



**PFK5b**

200601K1\_5



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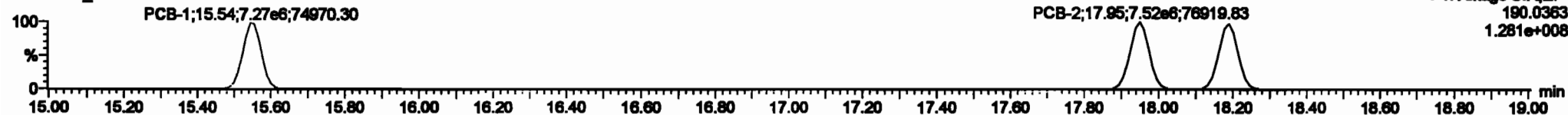
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**PCB-1**

200601K1\_6



200601K1\_6



**13C-PCB-1**

200601K1\_6

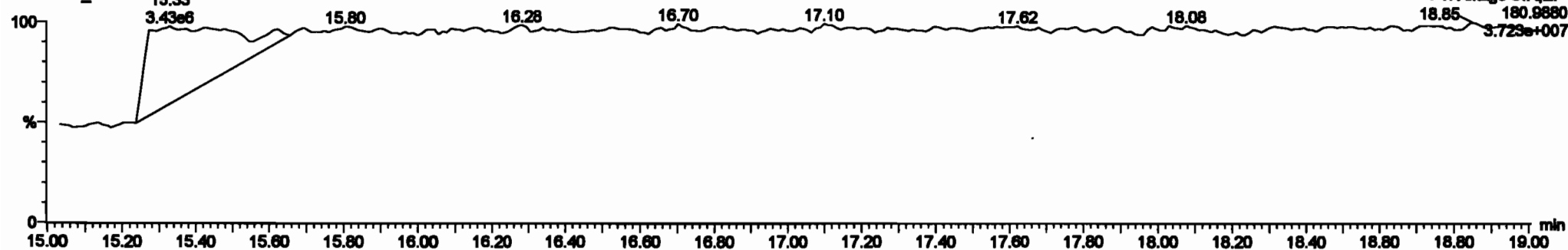


200601K1\_6



**PFK1**

200601K1\_6

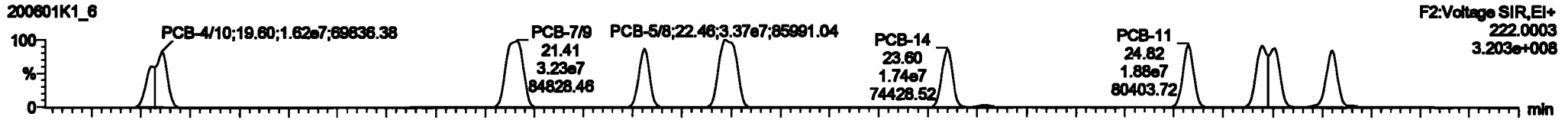


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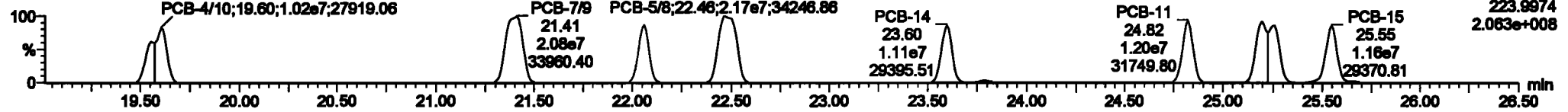
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PCB-4/10



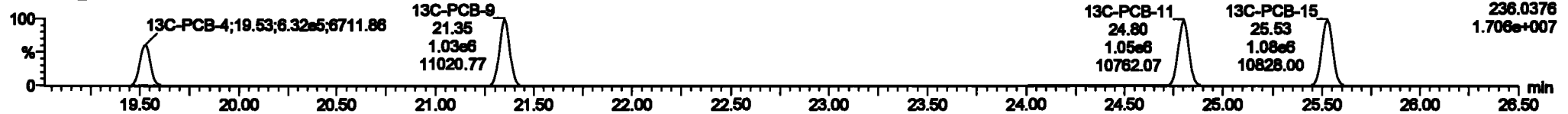
200601K1\_6



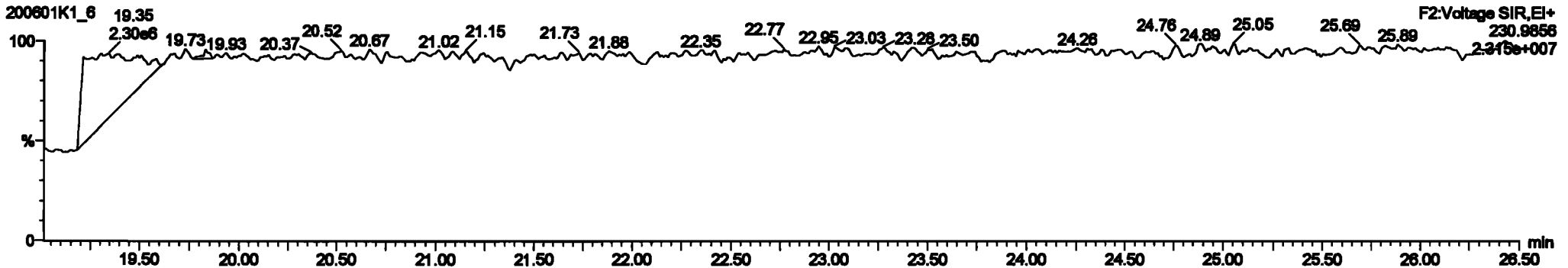
13C-PCB-4

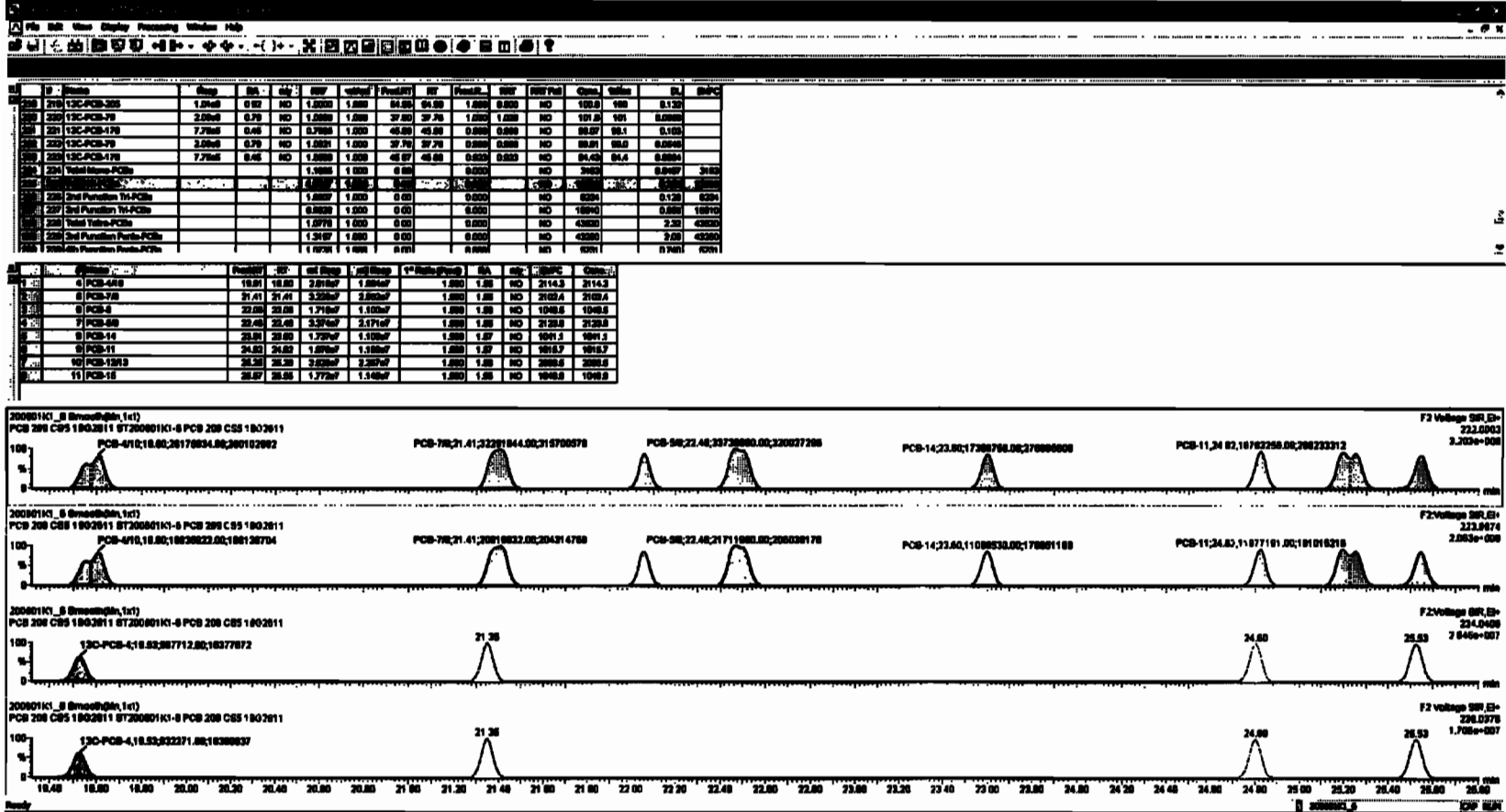


200601K1\_6



PFK2a



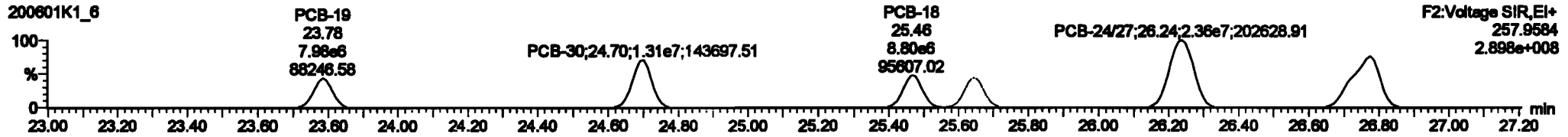


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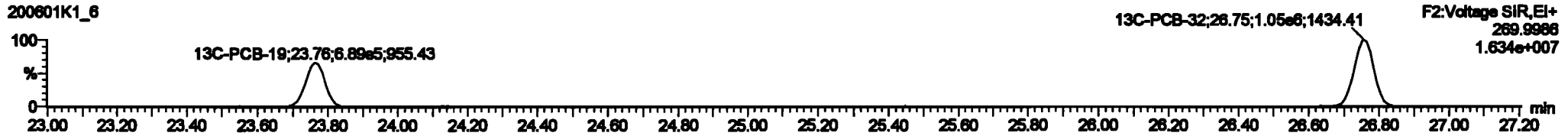
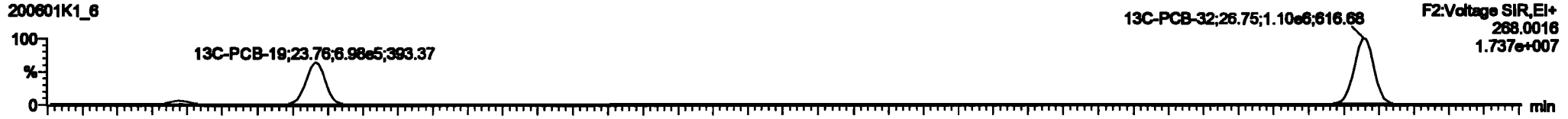
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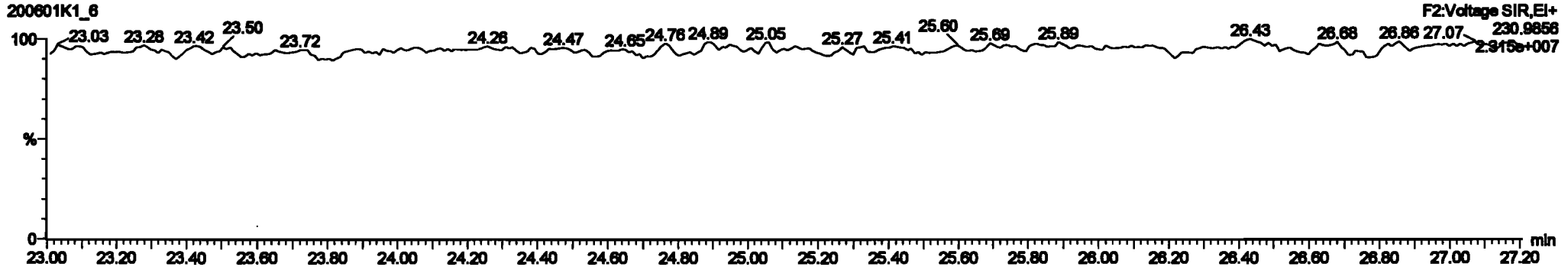
**PCB-19**



**13C-PCB-19**



**PFK2b**



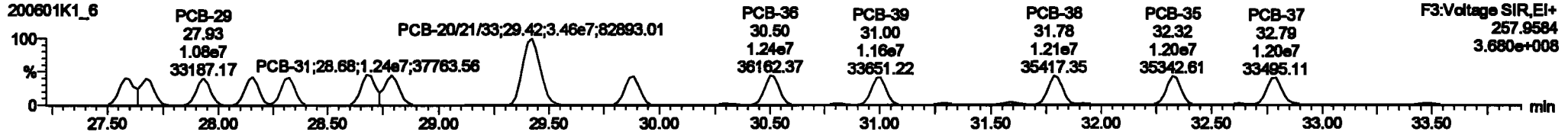
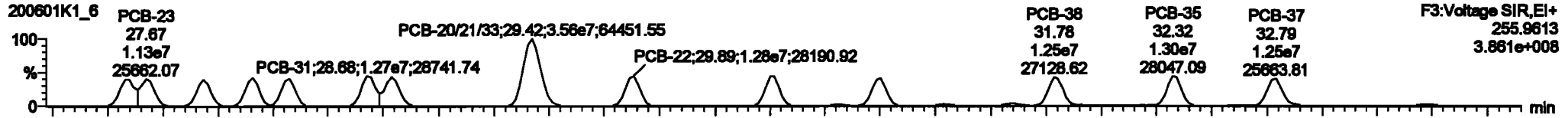


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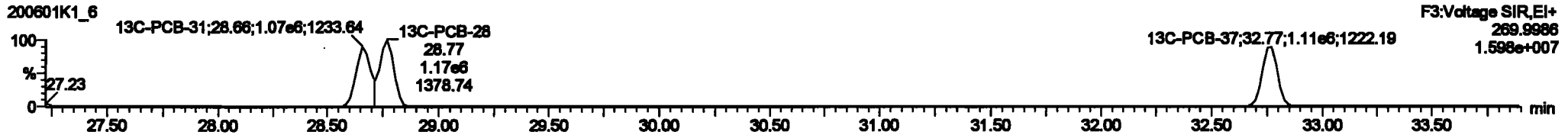
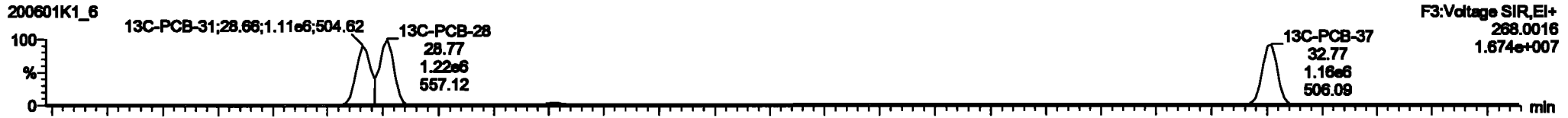
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

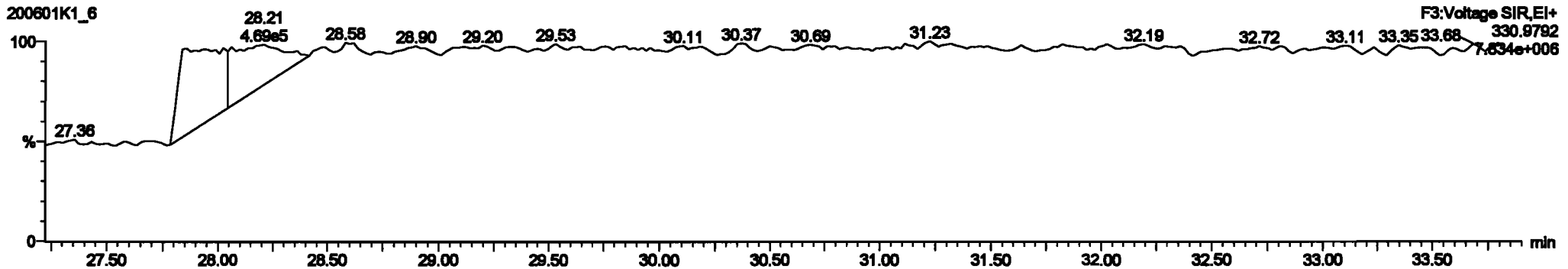
**PCB-34**



**13C-PCB-28**

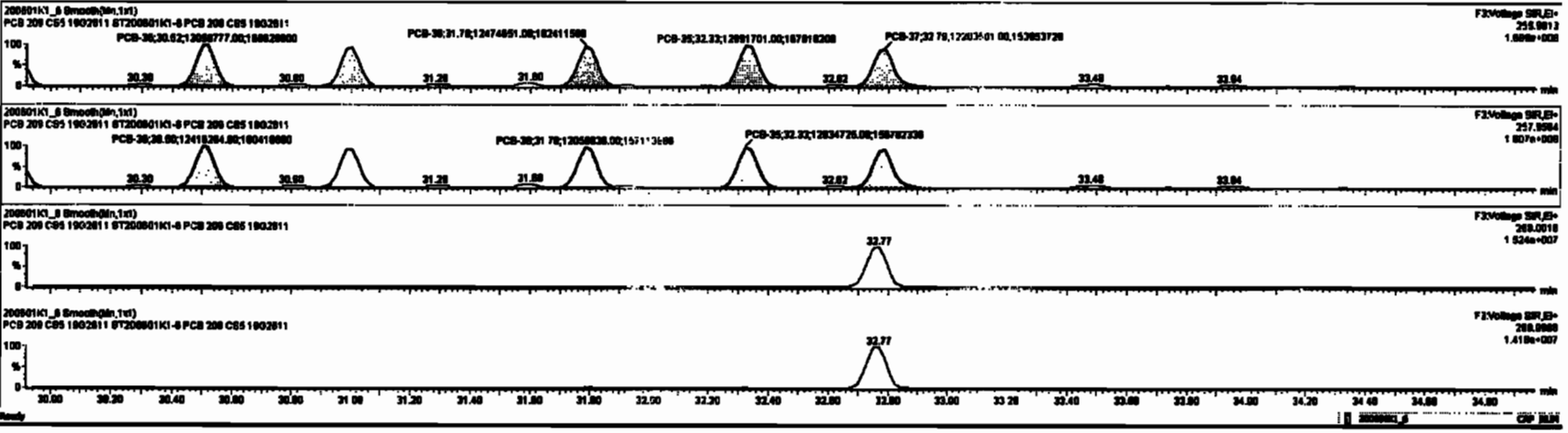


**PFK3d**



#	Name	Range	RA	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
219	13C-PCB-205	1.01e6	0.82	ND	1.0000	1.000	54.88	54.88	1.000	0.800	ND	100.0	100	0.132							
220	13C-PCB-206	2.88e6	0.79	ND	1.0000	1.000	37.80	37.78	1.000	1.800	ND	101.0	101	0.0000							
221	13C-PCB-176	7.79e6	0.45	ND	0.7000	1.000	45.88	45.88	0.800	0.800	ND	98.07	98.1	0.103							
222	13C-PCB-207	2.88e6	0.79	ND	1.0001	1.000	37.78	37.78	0.800	0.800	ND	98.01	98.0	0.0040							
223	13C-PCB-176	7.79e6	0.45	ND	1.0000	1.000	45.87	45.88	0.800	0.800	ND	94.43	94.4	0.0094							
224	Total Name PCBs				1.9888	1.000	0.00	0.000	0.000	0.000	ND	3183		0.0487	3183						
225	Total DA PCBs				1.8937	1.000	0.00	0.000	0.000	0.000	ND	12880		0.388	12880						
226	Total Function PCBs				1.8937	1.000	0.00	0.000	0.000	0.000	ND	8234		0.128	8234						
227	Total PCBs				0.0000	1.000	0.00	0.000	0.000	0.000	ND	43820		2.32	43820						
228	Total Name PCBs				1.0779	1.000	0.00	0.000	0.000	0.000	ND	43820		2.05	43820						
229	Total Function PCBs				1.0779	1.000	0.00	0.000	0.000	0.000	ND	43820		2.05	43820						
230	Total PCBs				1.0779	1.000	0.00	0.000	0.000	0.000	ND	43820		2.05	43820						

#	Name	Range	RA	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
1	16 PCB-34	27.88	27.88	1.182e7	1.182e7	1.040	1.89	ND	1021.1	1021.1										
2	18 PCB-25	27.87	27.87	1.128e7	1.128e7	1.040	1.87	ND	1030.7	1030.7										
3	20 PCB-28	27.89	27.89	1.104e7	1.104e7	1.040	1.88	ND	1023.7	1023.7										
4	21 PCB-26	28.16	28.16	1.182e7	1.142e7	1.040	1.84	ND	1024.1	1024.1										
5	22 PCB-36	28.21	28.21	1.176e7	1.132e7	1.040	1.84	ND	1018.0	1018.0										
6	23 PCB-34	28.88	28.88	1.372e7	1.328e7	1.040	1.89	ND	1014.3	1014.3										
7	24 PCB-33	28.78	28.78	1.202e7	1.202e7	1.040	1.89	ND	1048.4	1048.4										
8	25 PCB-30H103	28.43	28.43	3.682e7	3.682e7	1.040	1.89	ND	2144.3	2144.3										
9	26 PCB-32	28.87	28.88	1.288e7	1.288e7	1.040	1.88	ND	1071.1	1071.1										

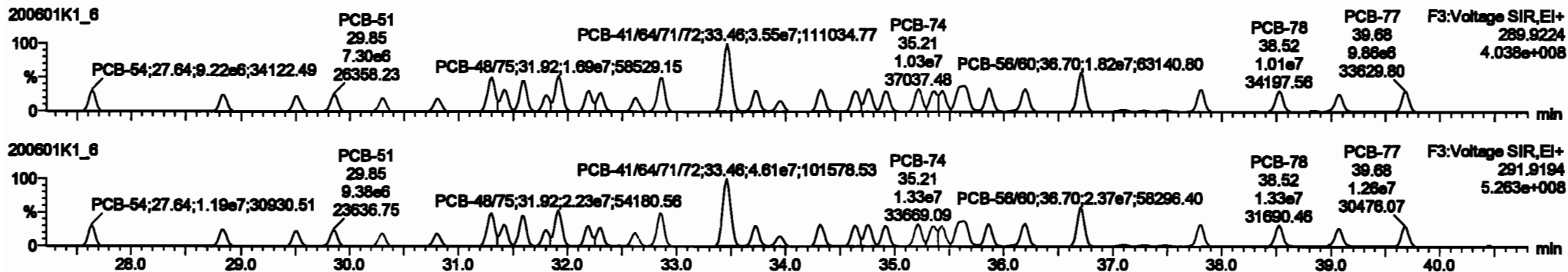


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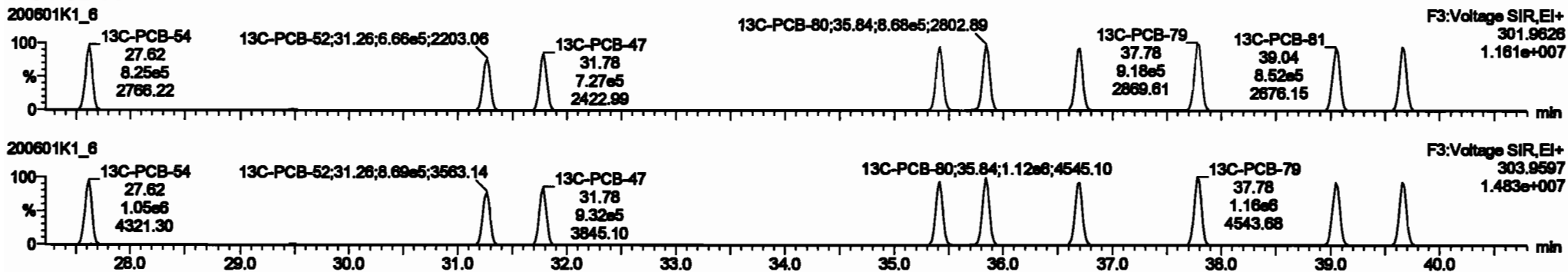
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 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

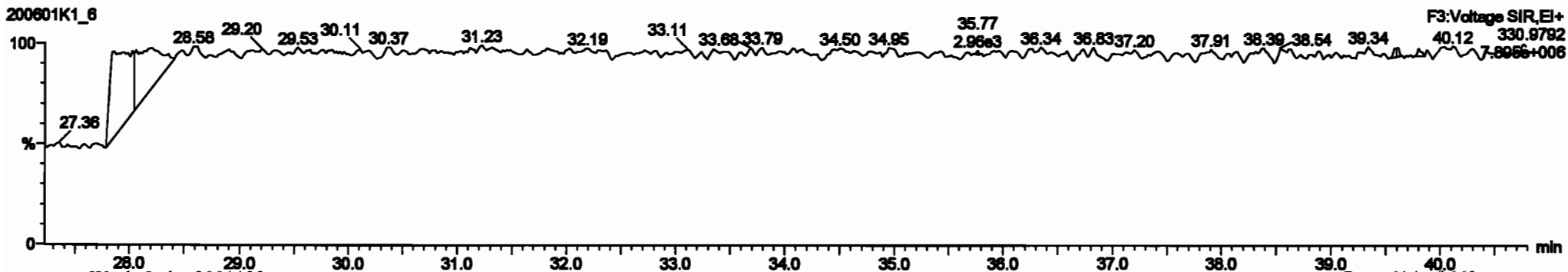
**PCB-54**



**13C-PCB-54**



**PFK3a**



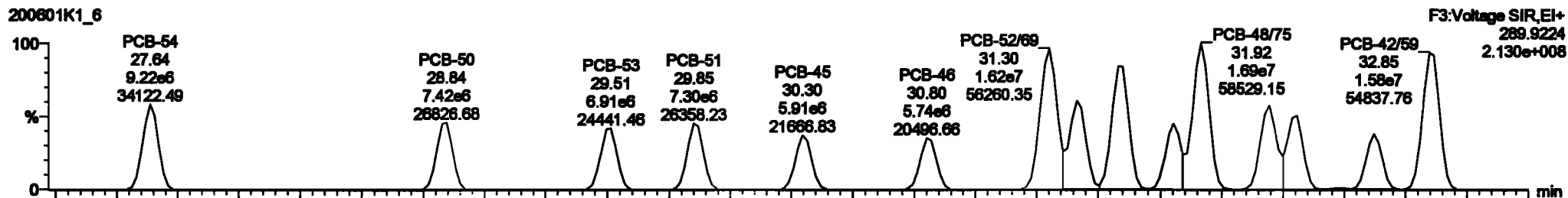
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

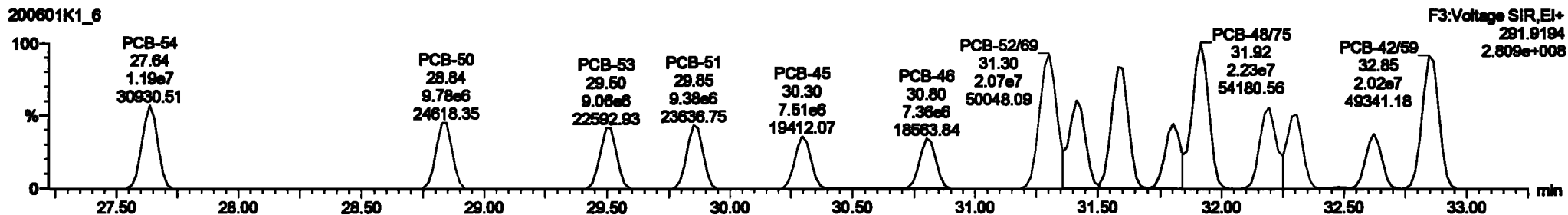
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PCB-50

200601K1\_6



200601K1\_6

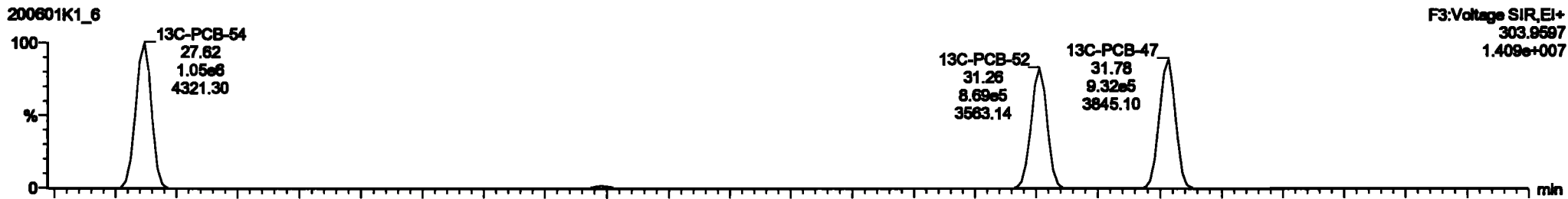


13C-PCB-52

200601K1\_6



200601K1\_6

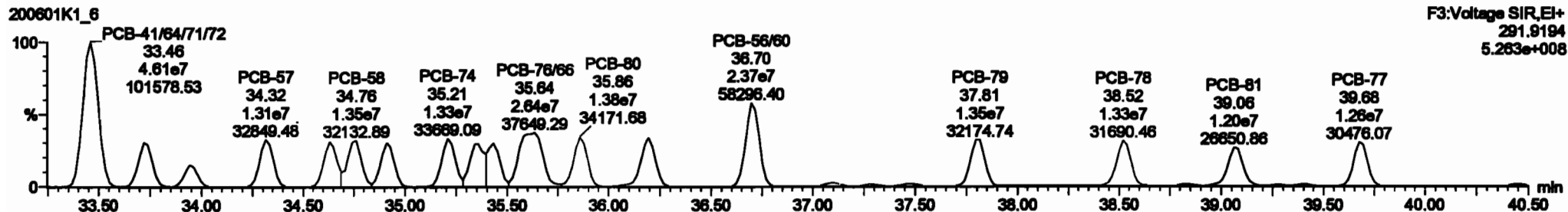
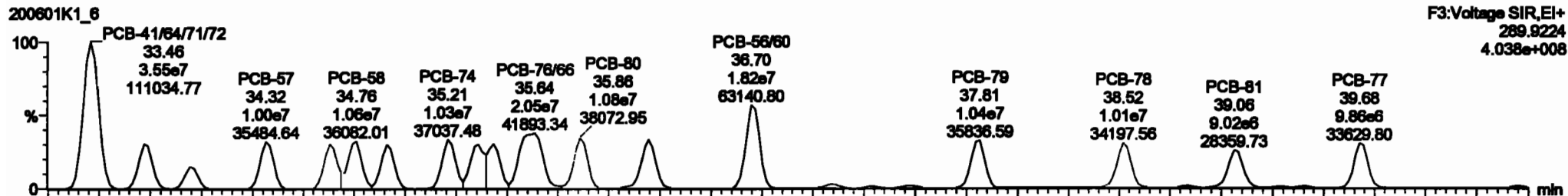


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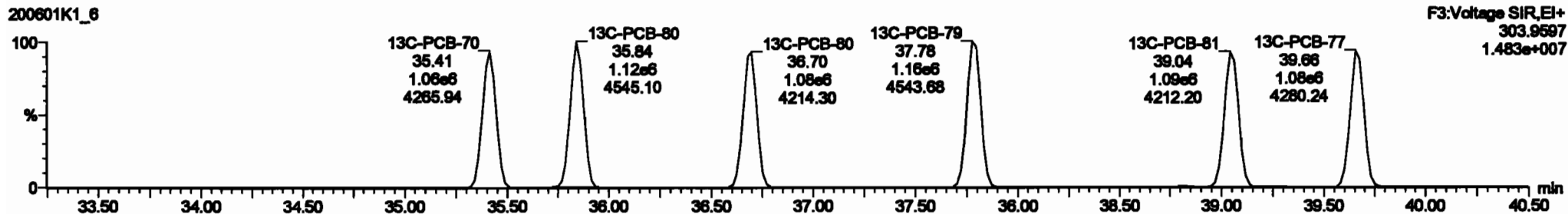
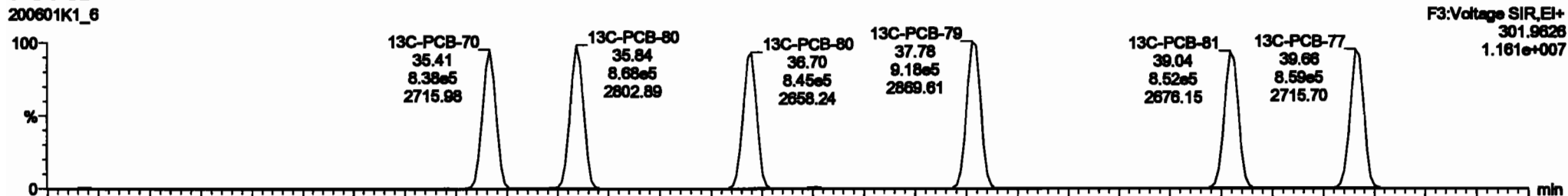
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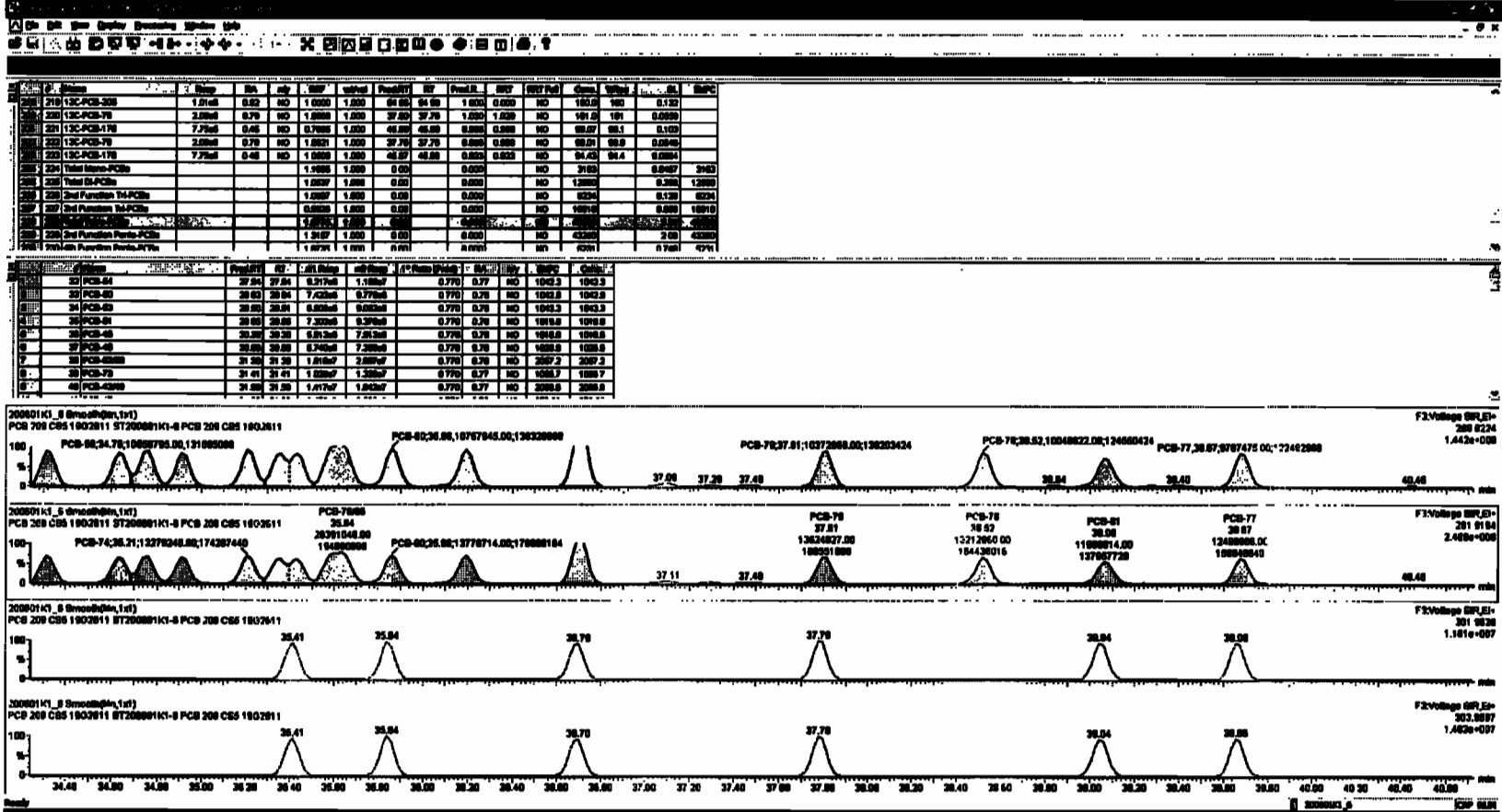
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PCB-68



13C-PCB-60



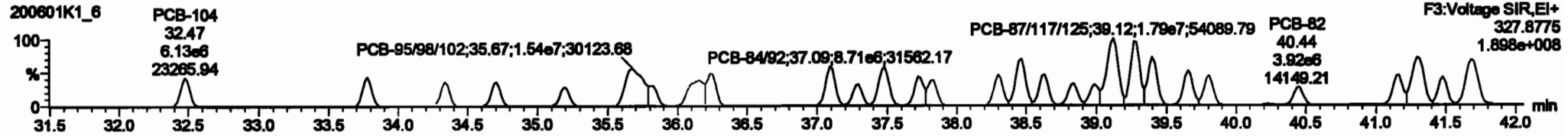
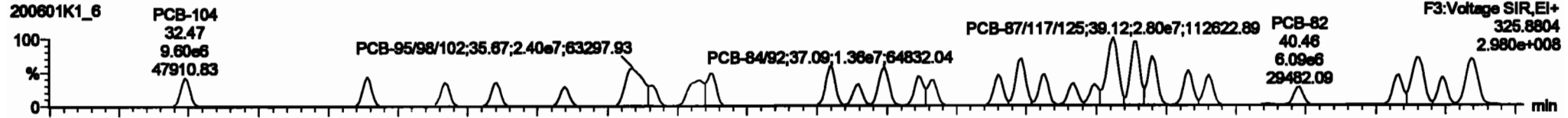


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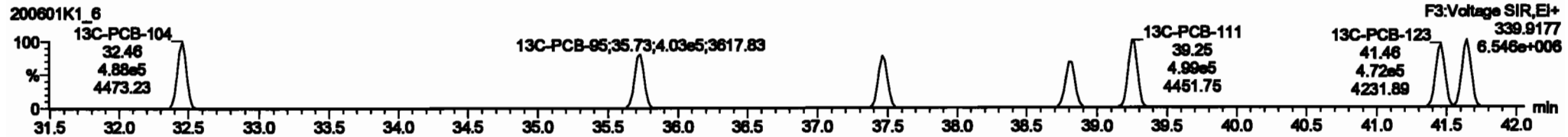
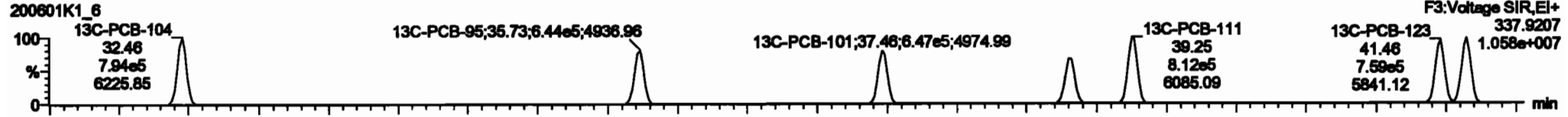
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

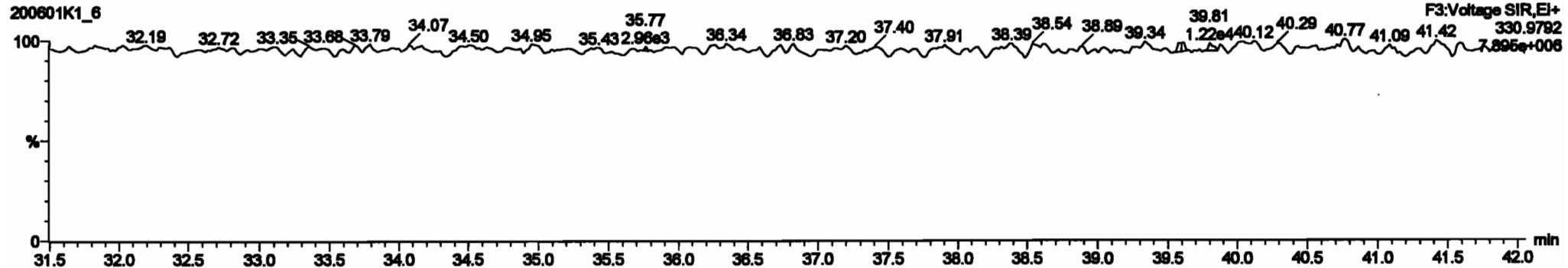
**PCB-104**



**13C-PCB-104**



**PFK3b**





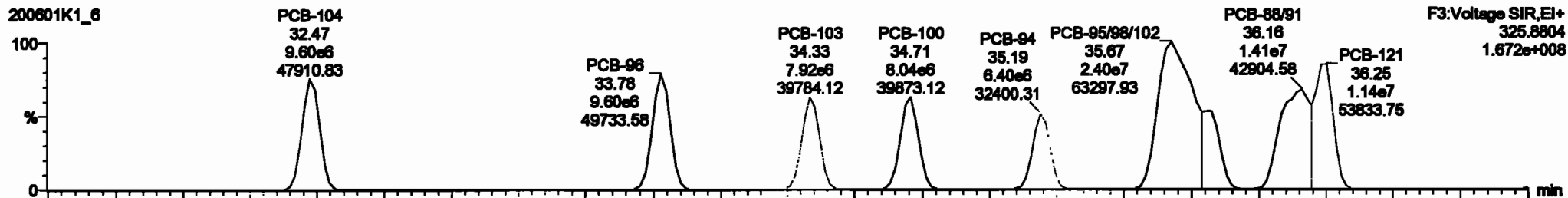
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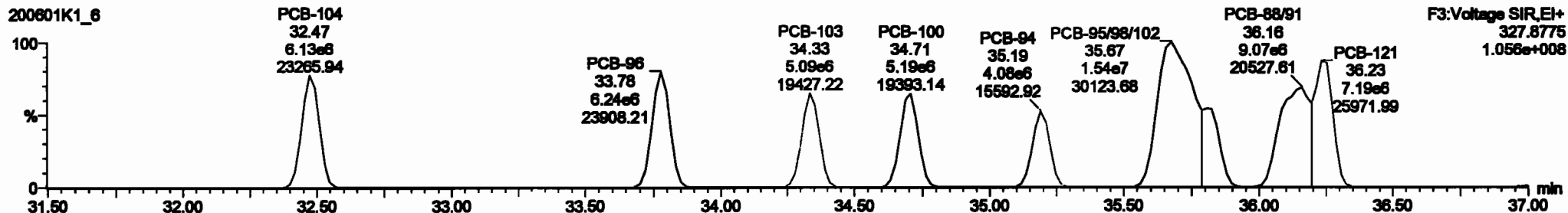
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**PCB-96**

200601K1\_6



200601K1\_6

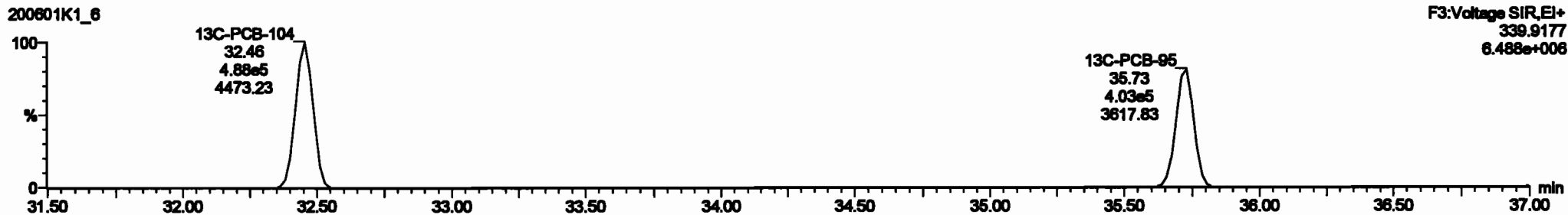


**13C-PCB-95**

200601K1\_6



200601K1\_6



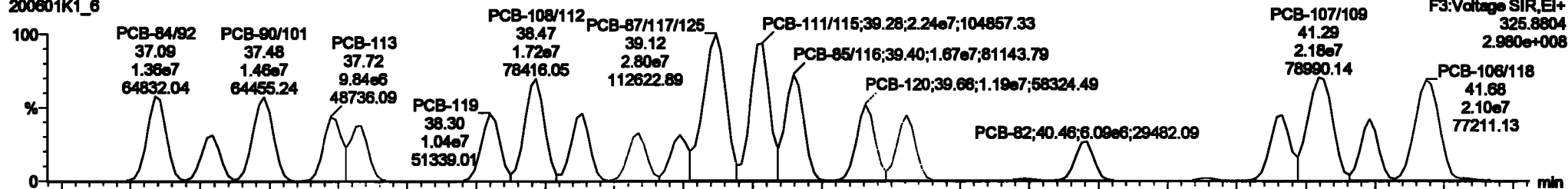
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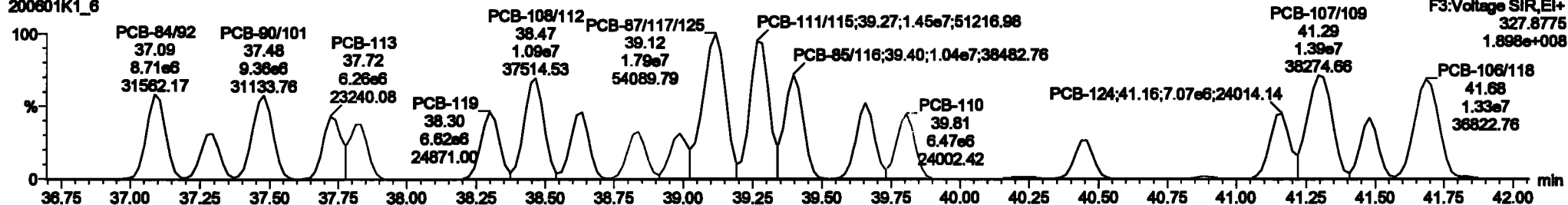
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PCB-119

200601K1\_6

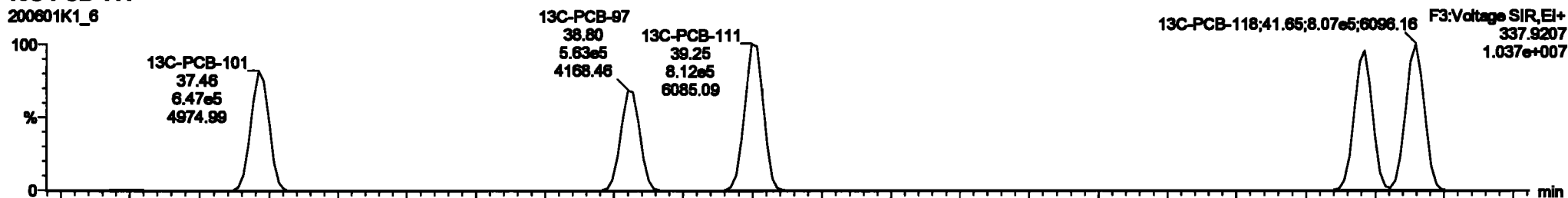


200601K1\_6

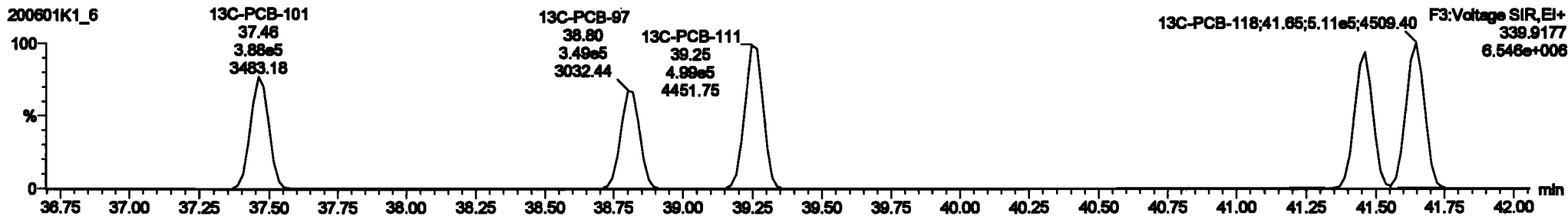


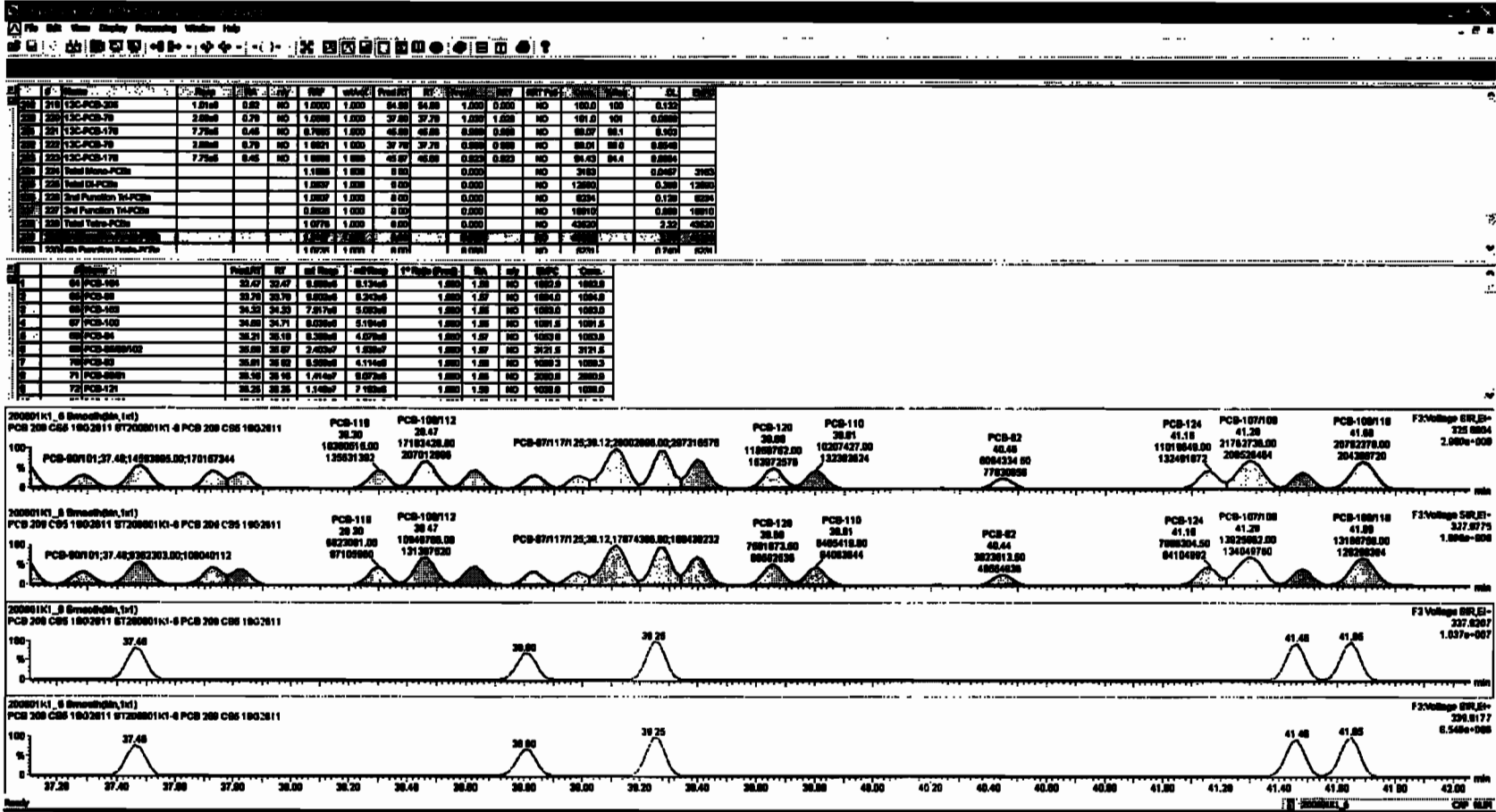
13C-PCB-111

200601K1\_6



200601K1\_6



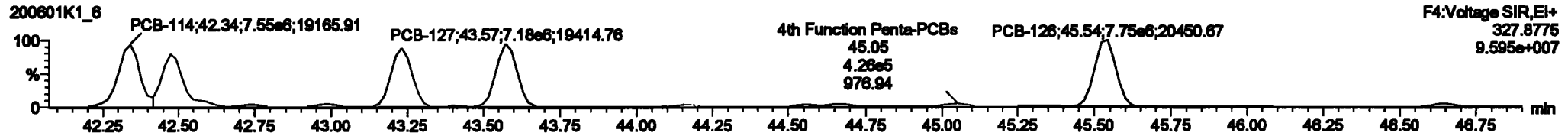
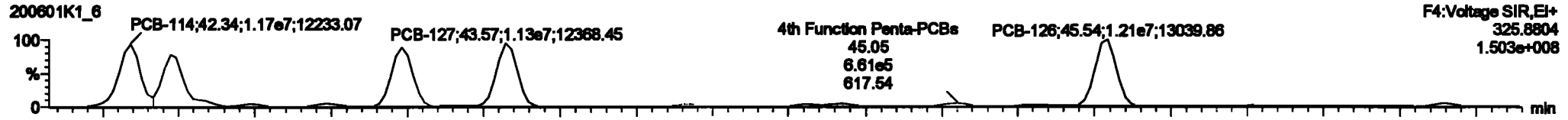


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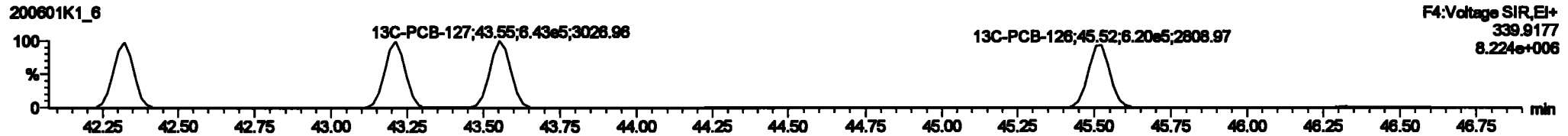
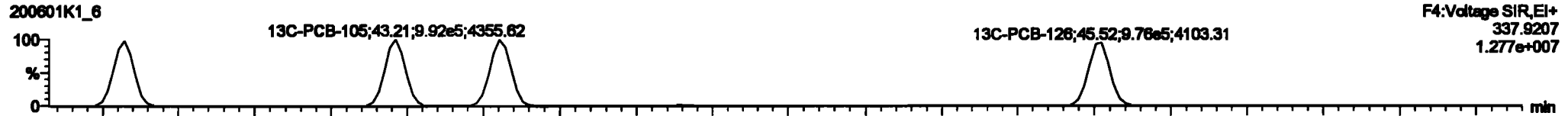
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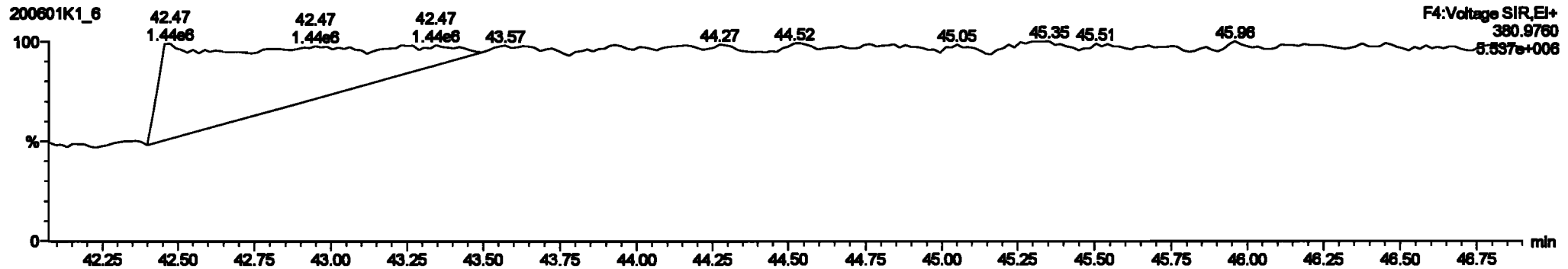
**PCB-114**

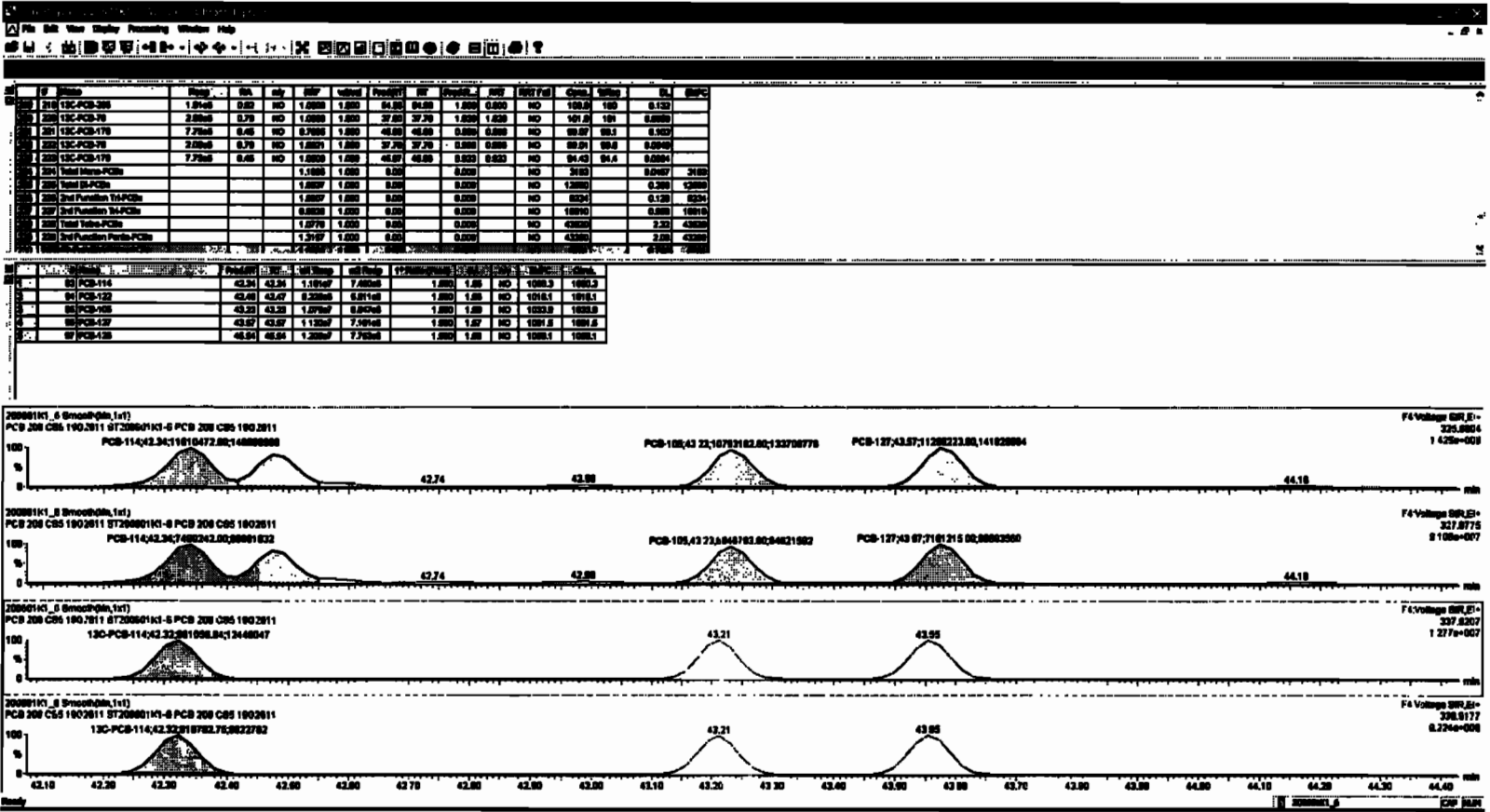


**13C-PCB-114**



**PFK4a**





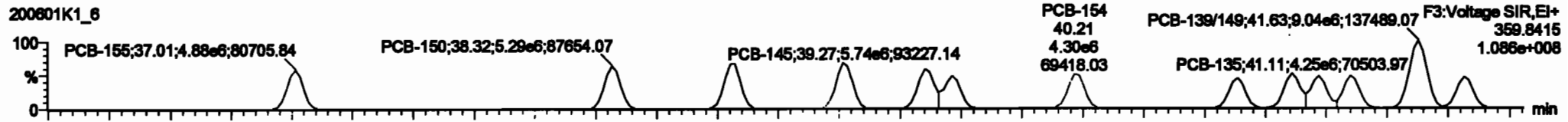
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

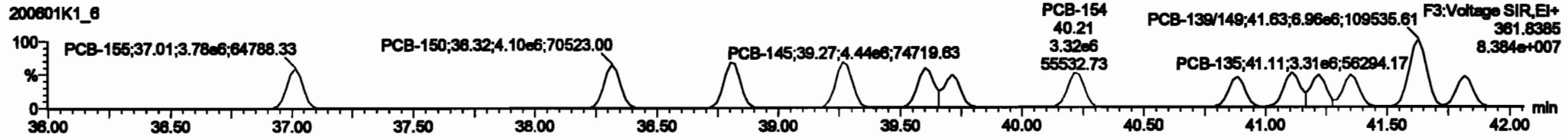
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PCB-155

200601K1\_6

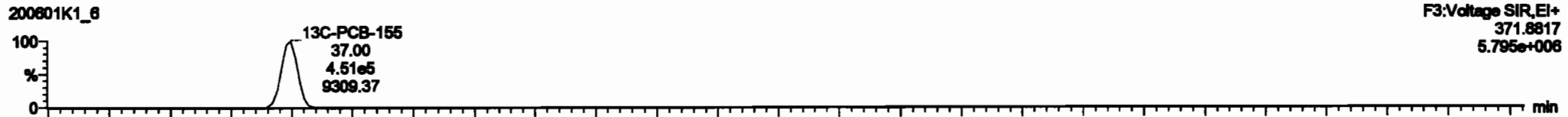


200601K1\_6

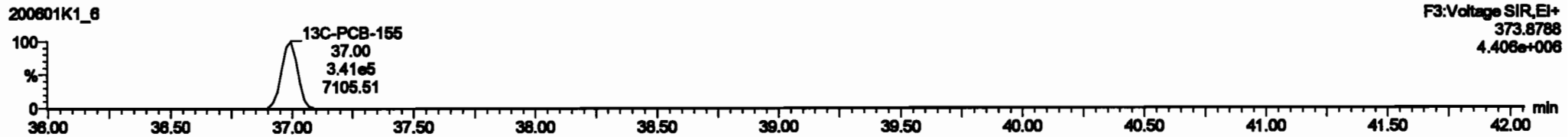


13C-PCB-155

200601K1\_6

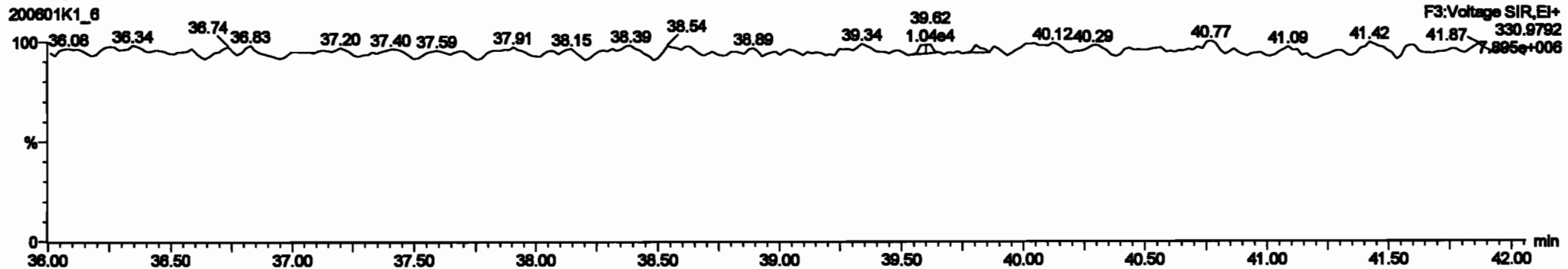


200601K1\_6



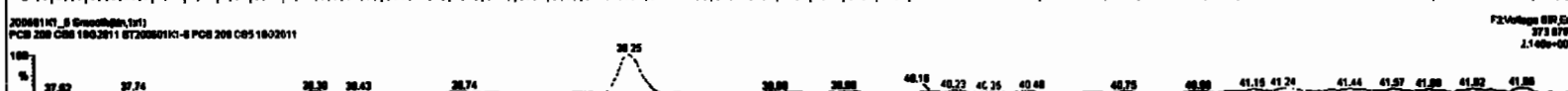
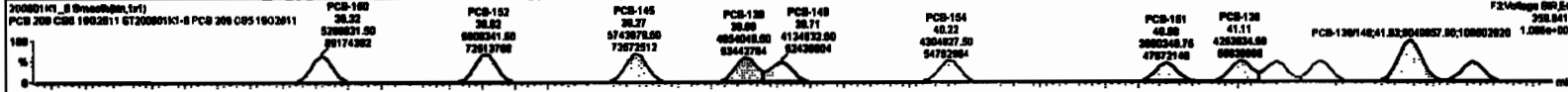
PFK3c

200601K1\_6



#	Name	Step	Size	Rev	DFP	Length	Frequency	BT	Result	Unit	Pwr	Class	Value	Q	SNPC
1	1228 2nd Purification PCBs				1.228	1.228	0.00		0.000	ND	20770		0.00	1228	20770
2	2200 Total Hydro PCBs				1.220	1.220	0.00		0.000	ND	20900		0.32	2200	20900
3	2204 4th Purification PCBs				1.220	1.220	0.00		0.000	ND	9790		1.60	2204	9790
4	2208 8th Purification PCBs				1.488	1.488	0.00		0.000	ND	2140		1.10	2208	2140
5	2200 Total Hydro PCBs				0.000	1.880	0.00		0.000	ND	2084		0.767	2200	2084
6	2207 Decon-CB				0.000	1.880	0.00		0.000	ND	1043		0.9100	2207	1043
7	2200 Total PCBs														
8	2200 Total Hydro PCBs														
9	2200 Total Decon-CB														
10	2200 Total PCBs														
11	2200 Total PCBs														
12	2201 2nd Purification PCBs														
13	2201 2nd Purification PCBs														

Step	Analysis	BT	CB Flow	dB(Sig)	2F4(dBm) (Rev)	SN	dB	dB(Sig)	SN
1	PCB-100	37.03	37.03	4.87dB	3.77dB	1.240	1.23	ND	1034.0
1	PCB-102	38.00	38.00	5.28dB	4.92dB	1.240	1.23	ND	1034.7
1	PCB-104	39.00	39.00	6.88dB	4.67dB	1.240	1.23	ND	1034.3
1	PCB-140	39.20	39.20	8.74dB	4.42dB	1.240	1.23	ND	1034.3
1	PCB-108	38.03	38.00	6.00dB	3.78dB	1.240	1.23	ND	1034.8
1	PCB-148	38.73	38.71	4.13dB	3.95dB	1.240	1.23	ND	1034.7
1	PCB-104	40.00	40.00	4.30dB	3.23dB	1.240	1.23	ND	1037.8
1	PCB-101	40.00	40.00	3.98dB	3.88dB	1.240	1.23	ND	1038.5
1	PCB-120	41.10	41.11	4.28dB	3.28dB	1.240	1.23	ND	1038.3



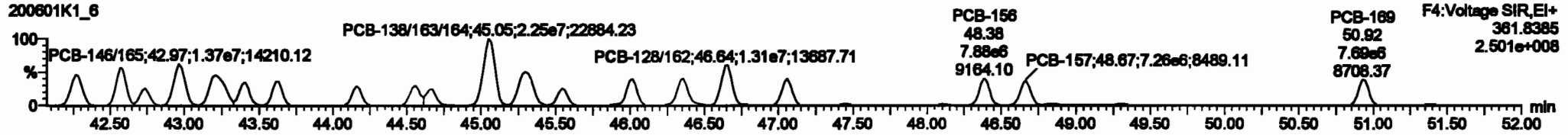
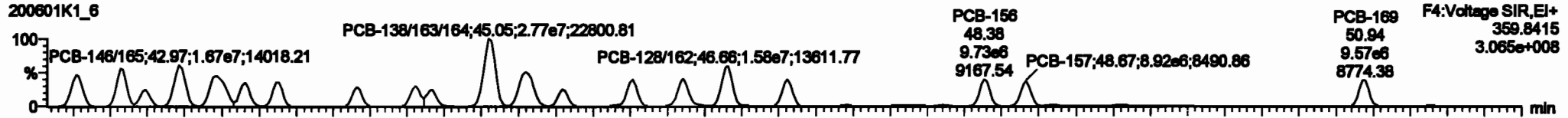


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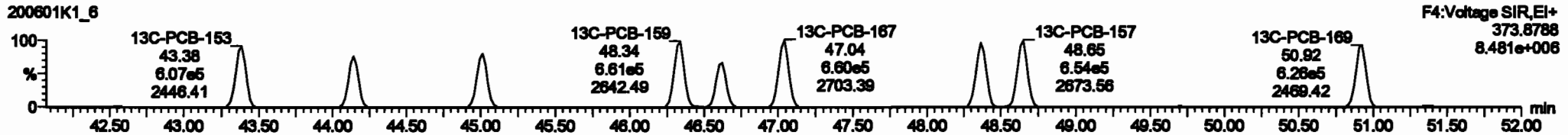
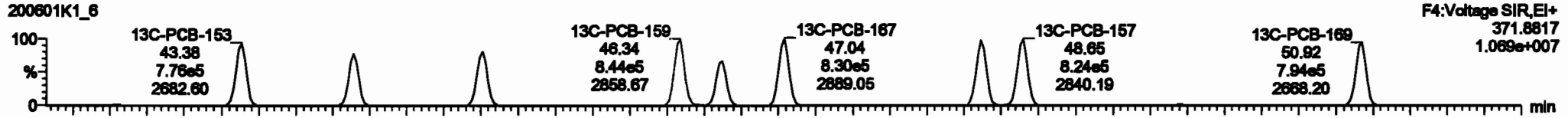
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

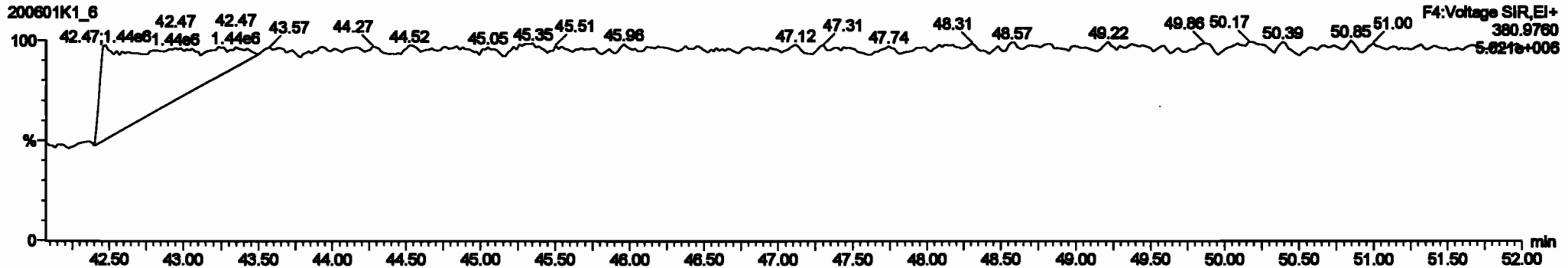
PCB-134/143



13C-PCB-153

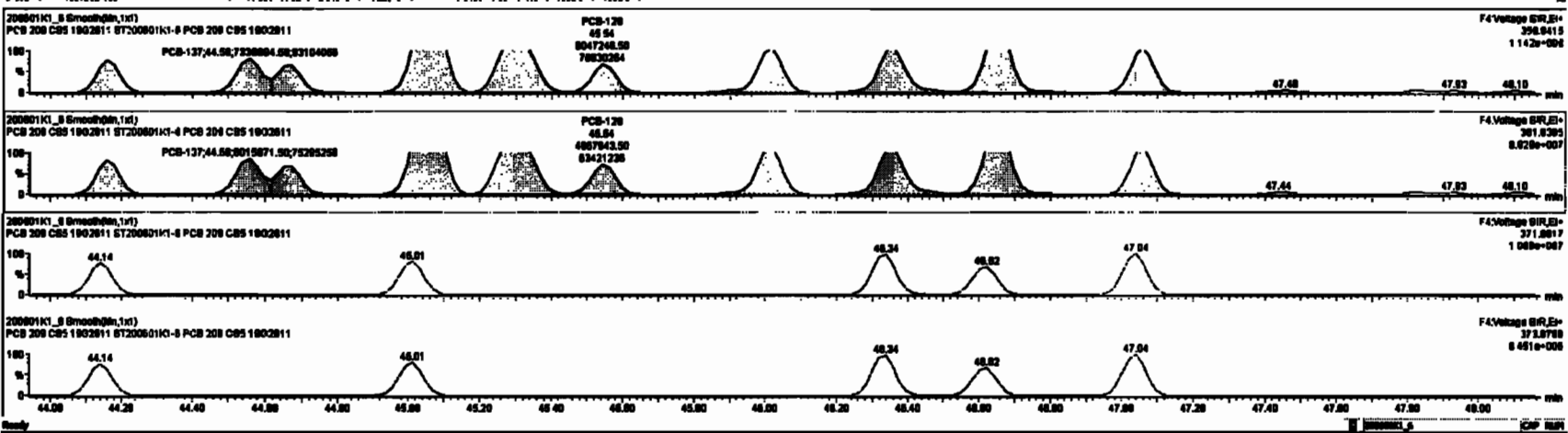


PFK4b



#	PCB	Step	RA	dy	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
228	2nd Function Home-PCBs		0.0000	1.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
229	Total Home-PCBs		1.0000	1.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
230	Total Home-PCBs		1.0000	1.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
231	2nd Function Tru-Asigns		0.0000	1.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
232	Total Tru-Asigns		0.0000	1.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00

#	PCB	Step	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
111	PCB-138-43	42.20	42.20	1.277e7	1.020e7	1.240	1.24	NO	2199.6	2199.6									
112	PCB-138-43	42.80	42.80	1.277e7	1.110e7	1.240	1.20	NO	2199.6	2199.6									
113	PCB-142	42.74	42.74	8.881e6	4.820e6	1.240	1.21	NO	1047.9	1047.9									
114	PCB-140-88	42.99	42.99	1.280e7	1.271e7	1.240	1.20	NO	2191.1	2191.1									
115	PCB-138-89	43.20	43.21	1.872e7	1.240e7	1.240	1.24	NO	2120.4	2120.4									
116	PCB-140	43.40	43.40	8.881e6	7.897e6	1.240	1.24	NO	1050.4	1050.4									
117	PCB-140	43.60	43.63	8.877e6	7.213e6	1.240	1.20	NO	1070.7	1070.7									
118	PCB-141	44.10	44.10	8.780e6	6.401e6	1.240	1.24	NO	1082.7	1082.7									
119	PCB-137	44.50	44.50	7.230e6	8.010e6	1.240	1.20	NO	1050.5	1050.5									



Dataset: Untitled

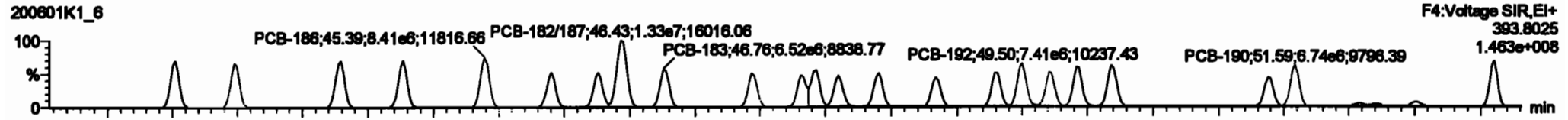
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

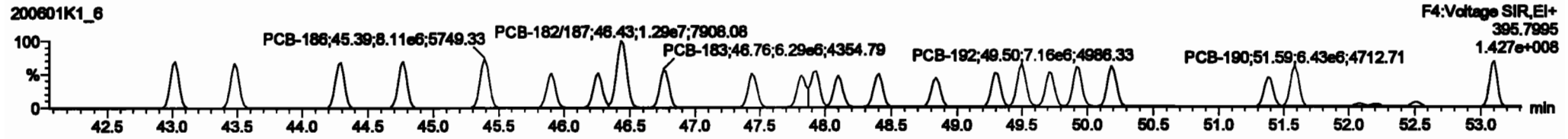
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**PCB-188**

200601K1\_6

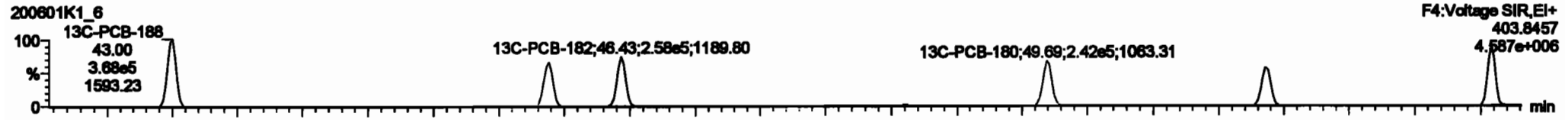


200601K1\_6

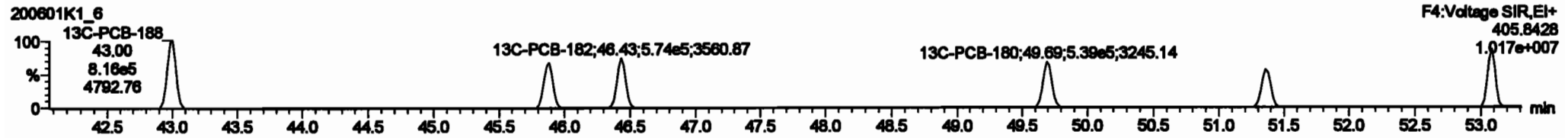


**13C-PCB-188**

200601K1\_6

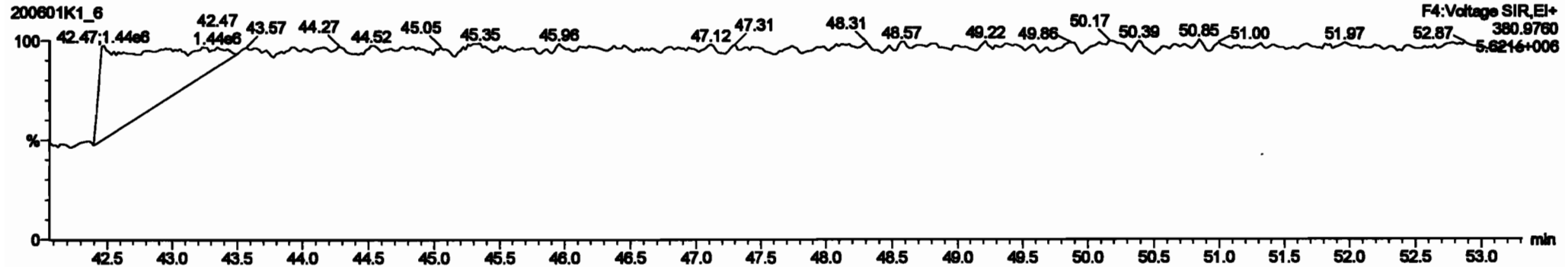


200601K1\_6



**PFK4c**

200601K1\_6



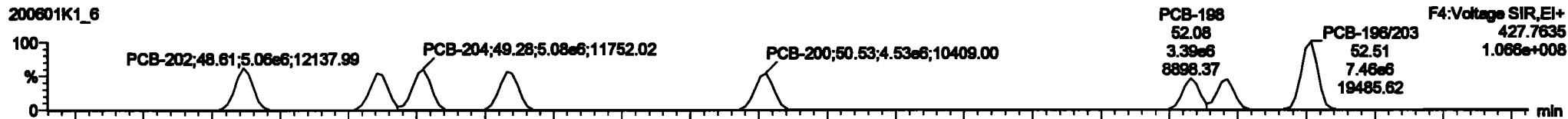
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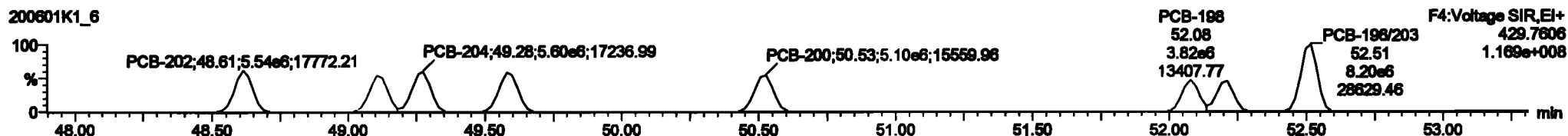
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**PCB-202**

200601K1\_6

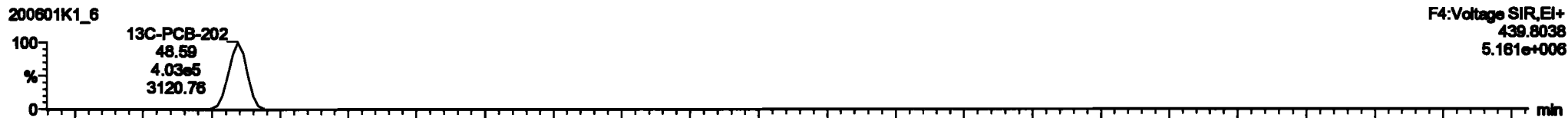


200601K1\_6

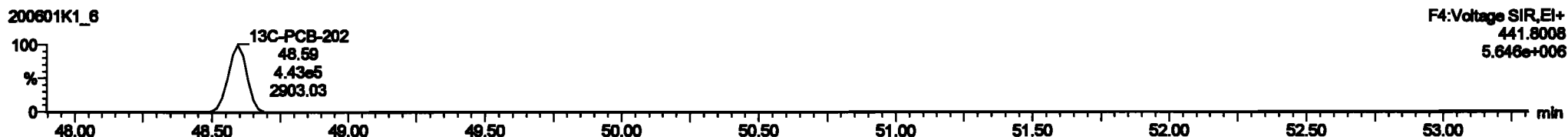


**13C-PCB-202**

200601K1\_6

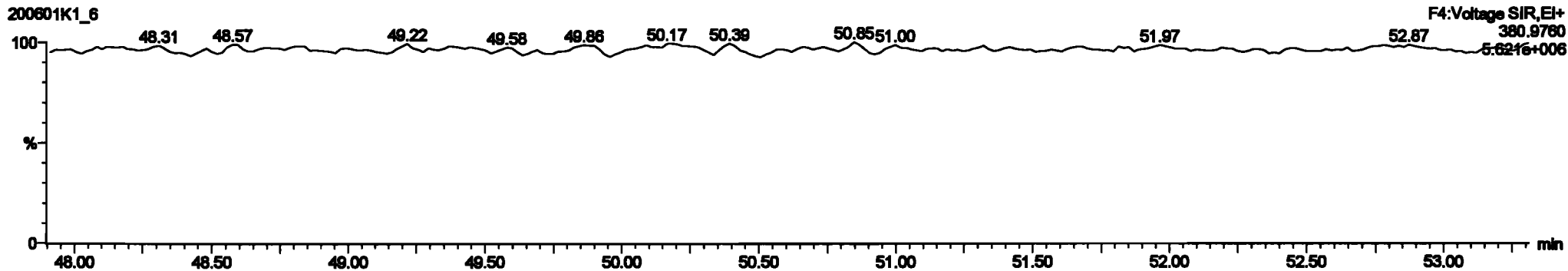


200601K1\_6



**PFK4d**

200601K1\_6



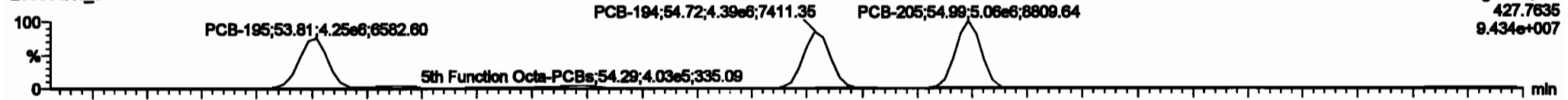
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Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

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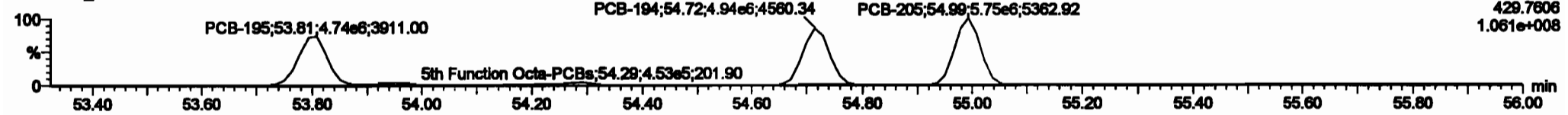
**PCB-195**

200601K1\_6



F5:Voltage SIR,EI+  
427.7635  
9.434e+007

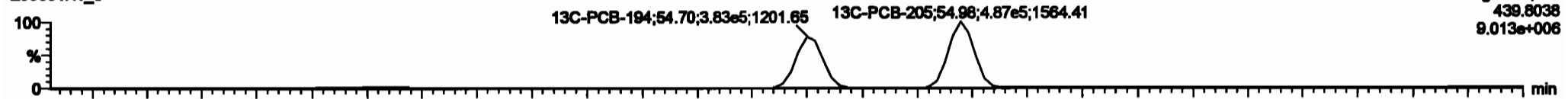
200601K1\_6



F5:Voltage SIR,EI+  
429.7606  
1.061e+008

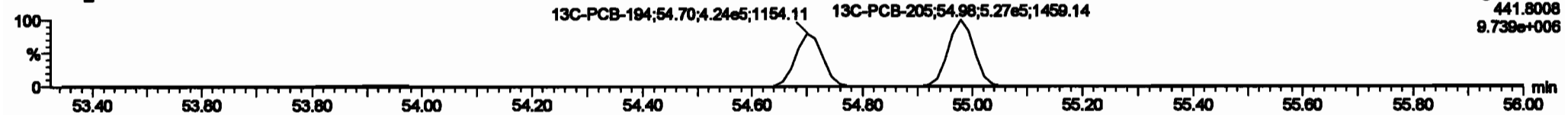
**13C-PCB-194**

200601K1\_6



F5:Voltage SIR,EI+  
439.8038  
9.013e+006

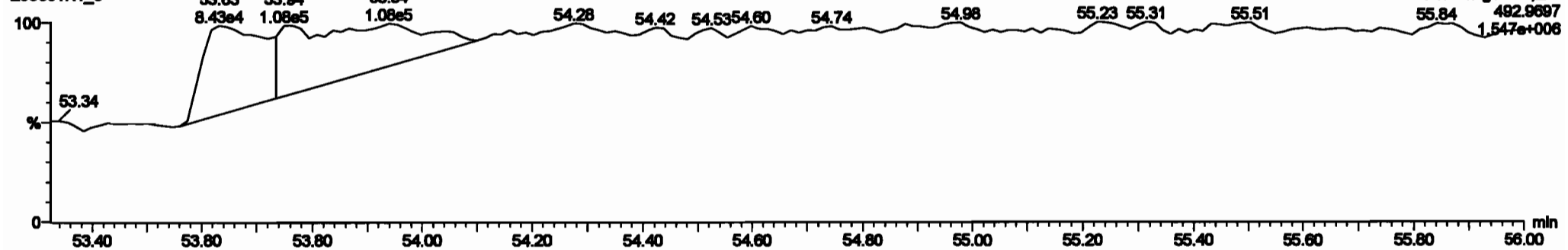
200601K1\_6



F5:Voltage SIR,EI+  
441.8008  
9.739e+006

**PFK5a**

200601K1\_6



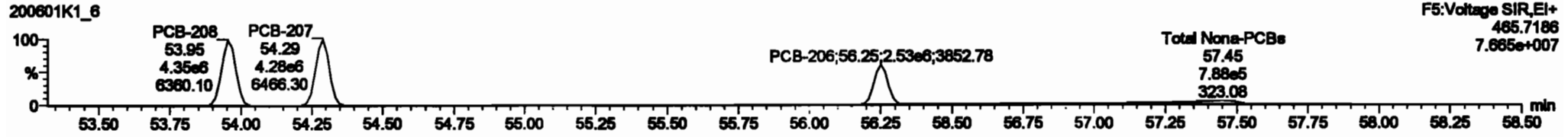
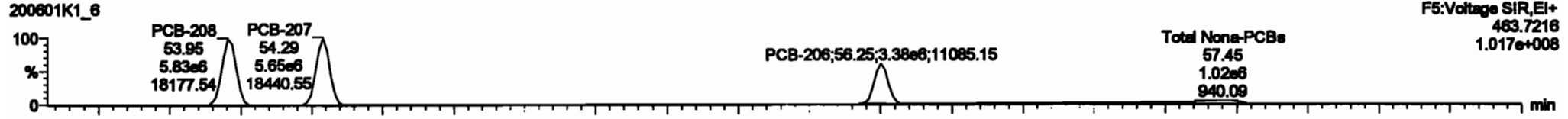
F5:Voltage SIR,EI+  
492.9697  
1.547e+006

Dataset: Untitled

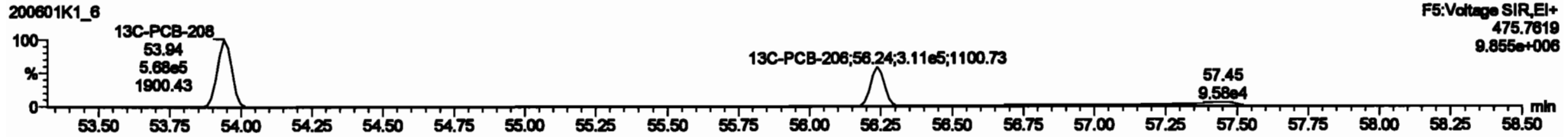
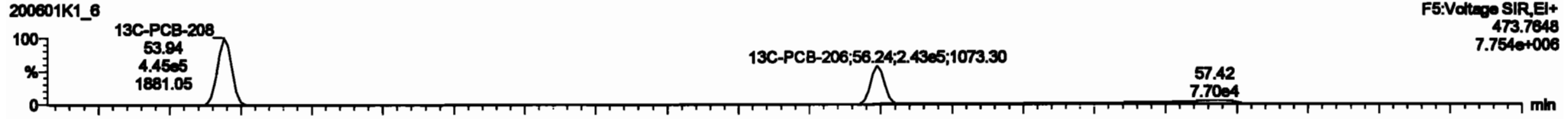
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

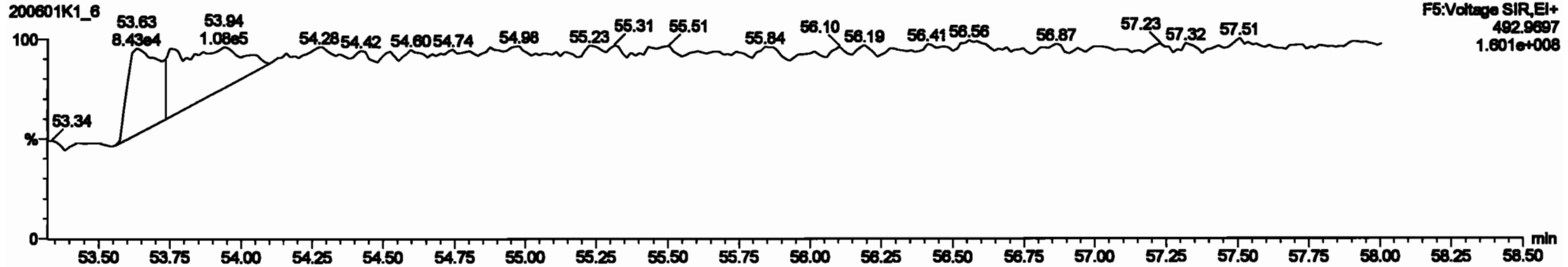
**PCB-208**



**13C-PCB-208**



**PFK5**



Dataset: Untitled

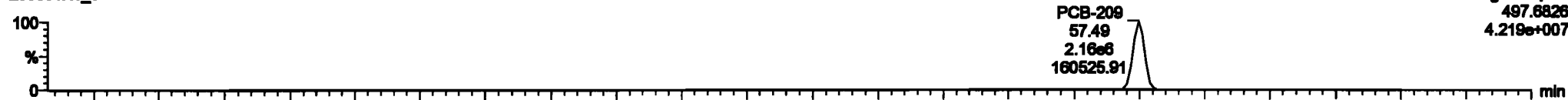
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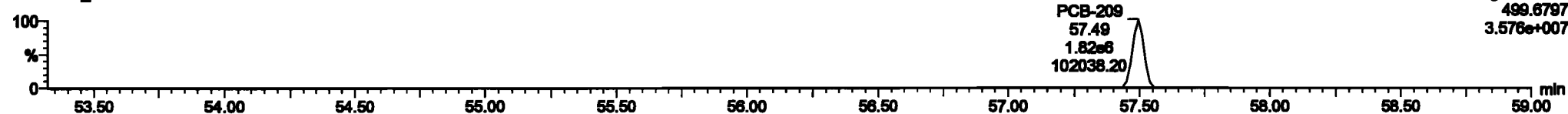
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**PCB-209**

200601K1\_6

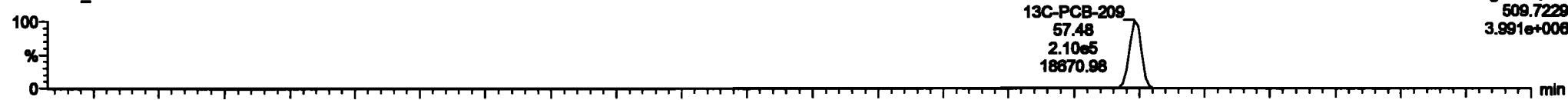


200601K1\_6

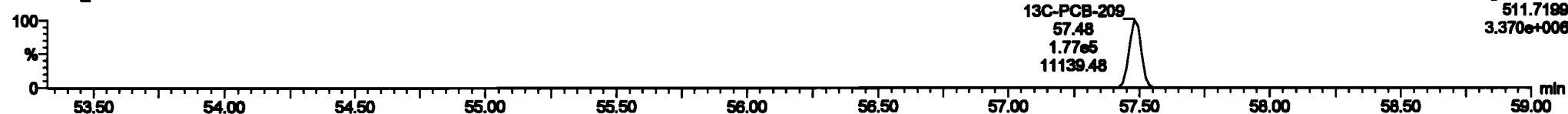


**13C-PCB-209**

200601K1\_6

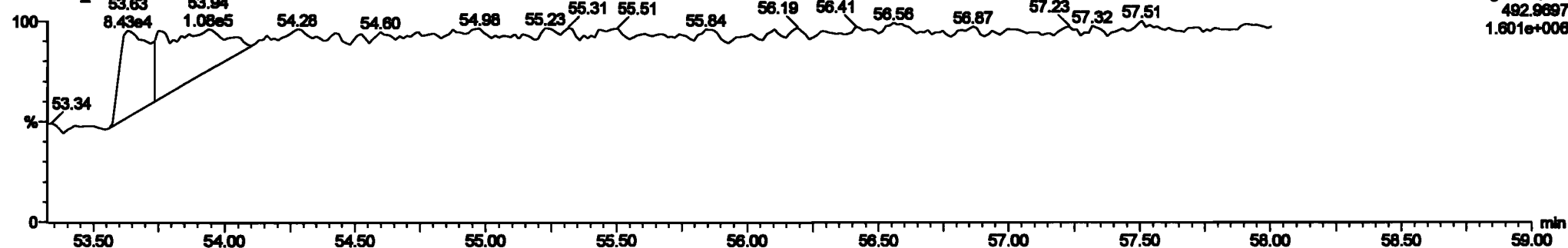


200601K1\_6



**PFK5b**

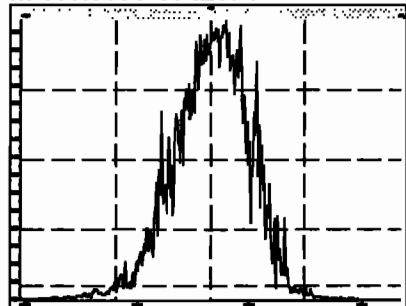
200601K1\_6



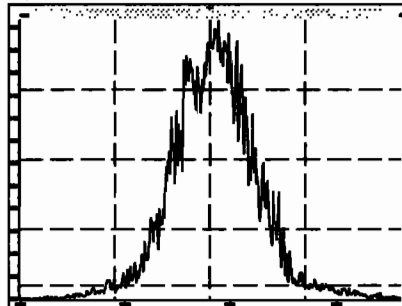


Printed: Tuesday, June 02, 2020 02:33:38 Pacific Daylight Time

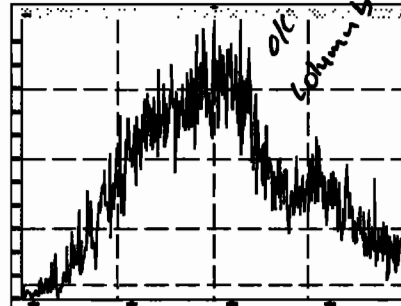
M 168.9888 R 12074



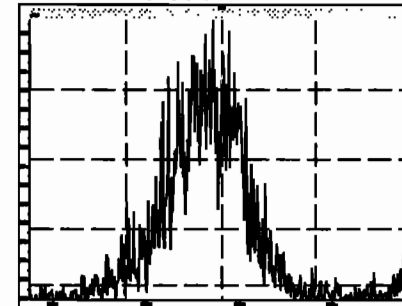
M 180.9888 R 10992



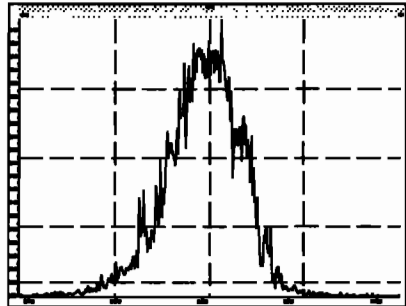
M 192.9888 R 0



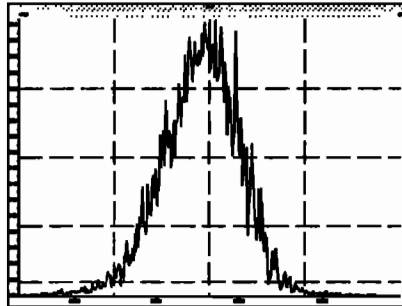
M 204.9888 R 14010



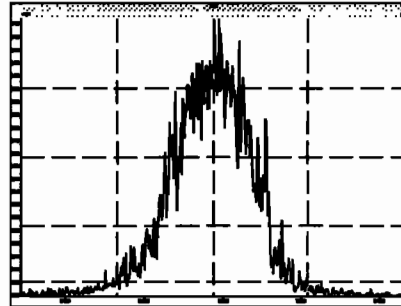
M 218.9856 R 11112



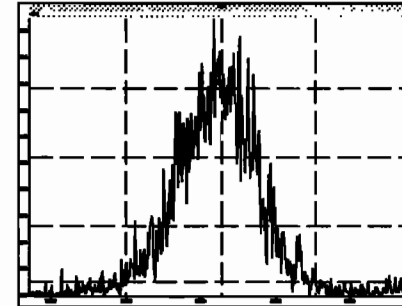
M 230.9856 R 12243



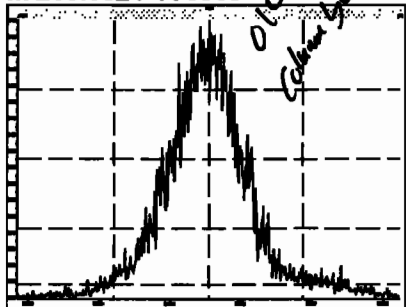
M 242.9856 R 12373



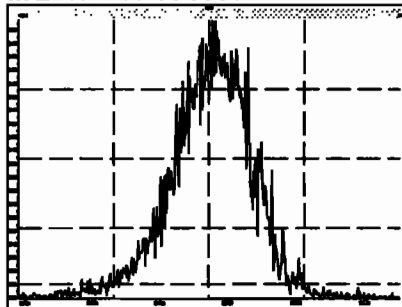
M 254.9856 R 11834



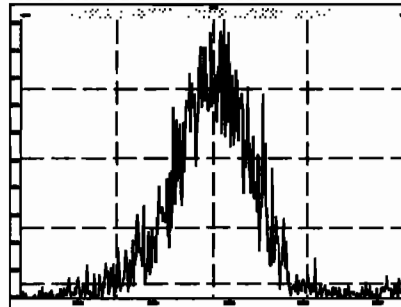
M 268.9824 R 9960



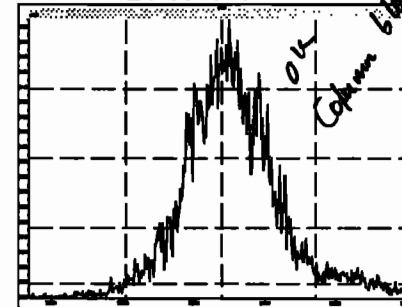
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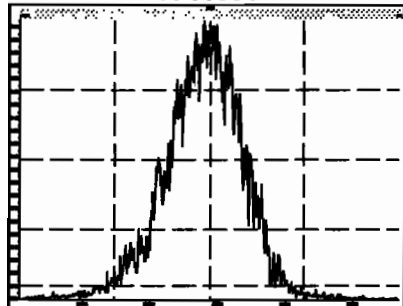
M 254.9856 R 12563



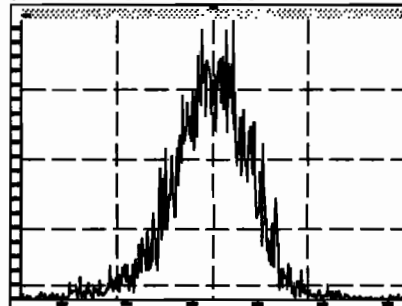
M 268.9824 R 8787



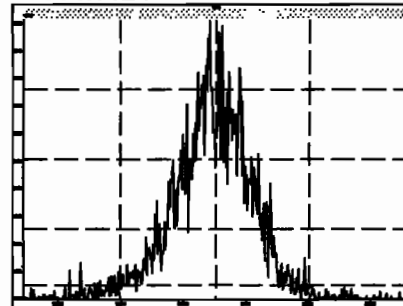
M 280.9824 R 11061



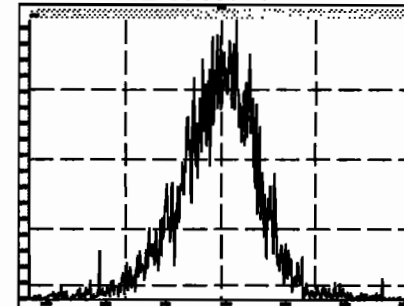
M 292.9824 R 12537



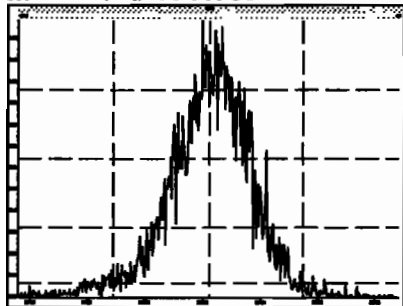
M 304.9824 R 11934



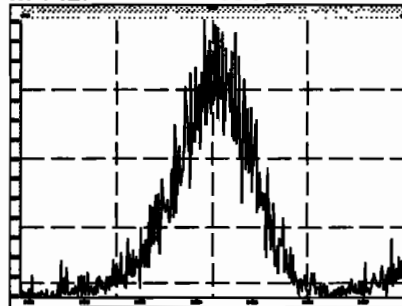
M 318.9792 R 11884



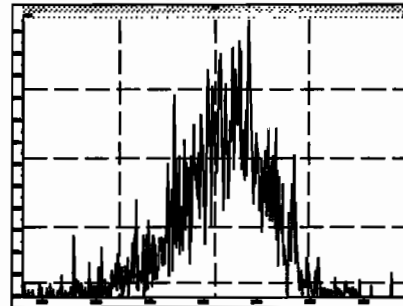
M 330.9792 R 11739



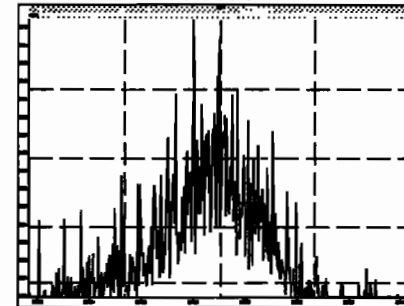
M 342.9792 R 11684



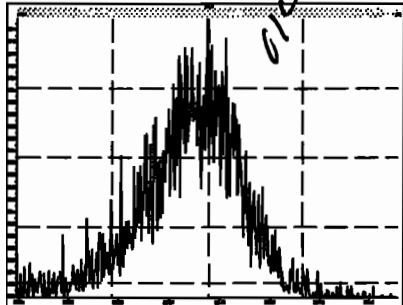
M 354.9792 R 12435



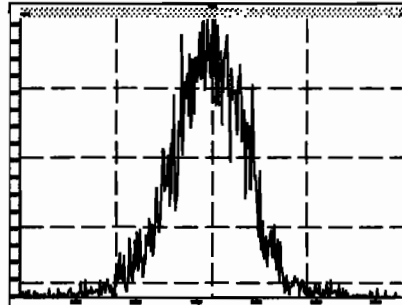
M 366.9792 R 14946



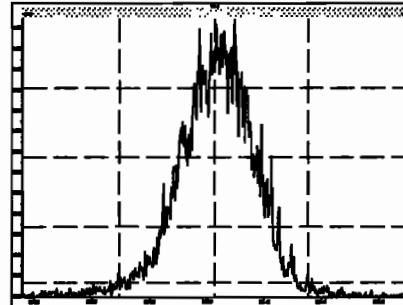
M 380.9760 R 9943



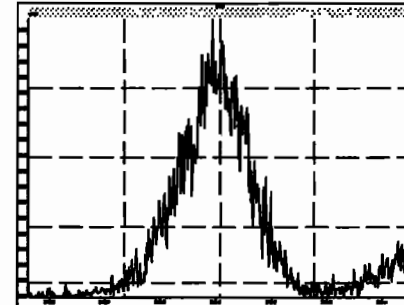
M 318.9792 R 12965



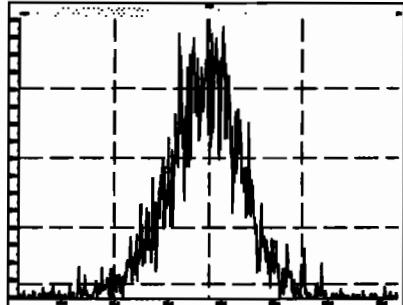
M 330.9792 R 11994



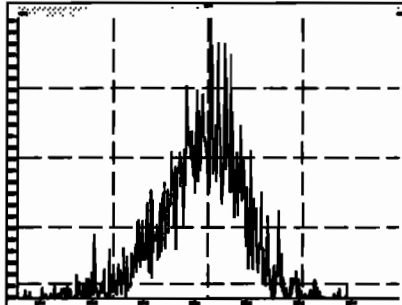
M 342.9792 R 12362



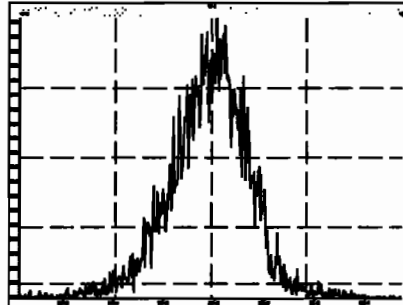
M 354.9792 R 12987



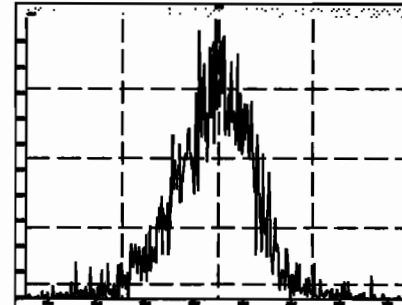
M 366.9792 R 13158



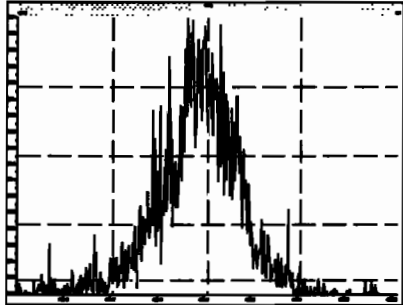
M 380.9760 R 12073



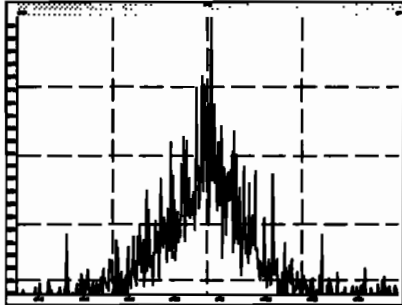
M 392.9760 R 12563



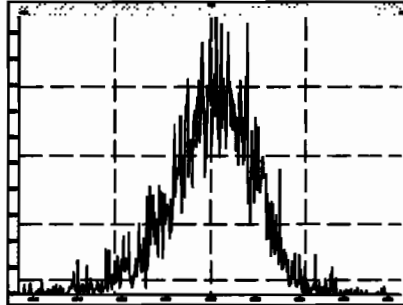
M 404.9760 R 12606



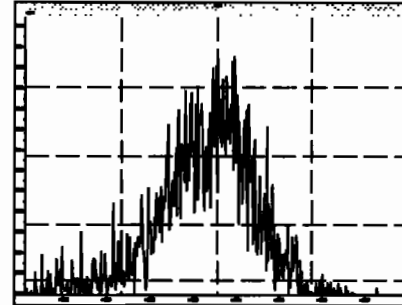
M 416.9760 R 14256



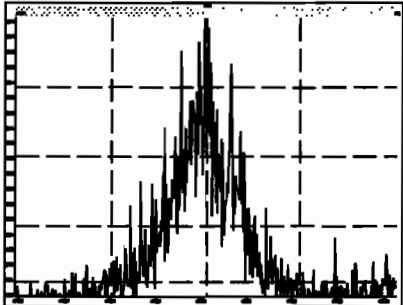
M 430.9728 R 12412



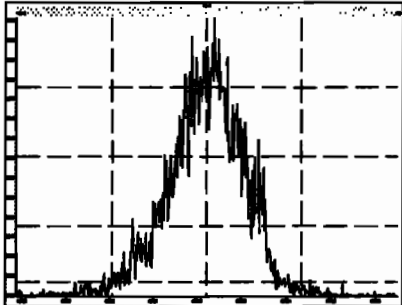
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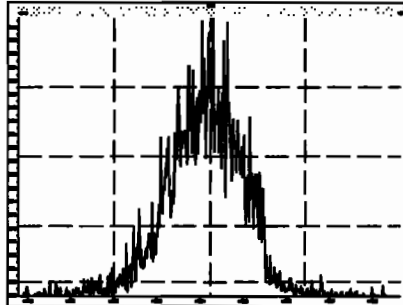
M 416.9760 R 17080



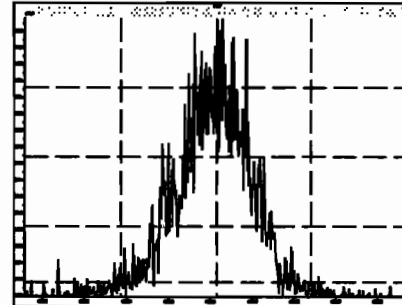
M 430.9728 R 12224



M 442.9728 R 13021

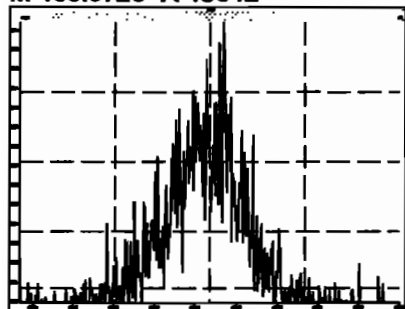


M 454.9728 R 14353

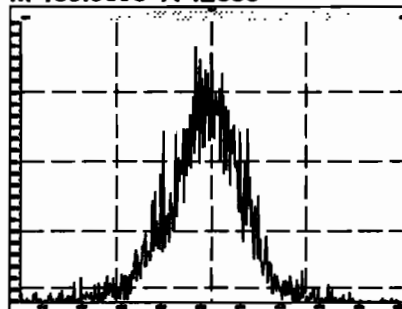


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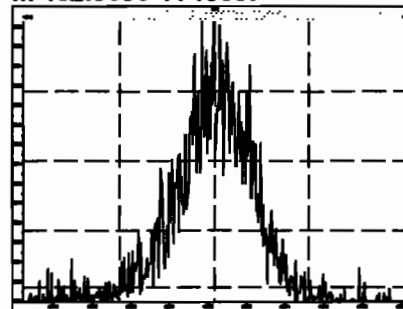
M 466.9728 R 15642



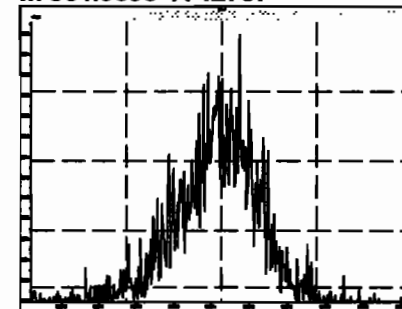
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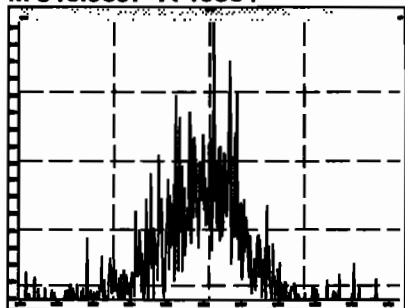
M 492.9696 R 13097



M 504.9696 R 12787



M 516.9697 R 19564



Dataset: U:\VG11.PRO\Results\200601K1\200601K1-7.qld

Last Altered: Tuesday, June 02, 2020 11:36:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 11:37:29 Pacific Daylight Time

*h 5.2.200*

*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	Prod.RT	RT	Prod.RI	RII	Check RFI	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	90-130	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	70-130	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	42.5-225	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	70-130	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	70-130	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	70-130	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	75-65	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	45.7	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	75-65	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

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-7.qld

Last Altered: Tuesday, June 02, 2020 11:36:30 Pacific Daylight Time  
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	FA	n/y	RPD	w/nd	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	

Dataset: U:\VG11.PRO\Results\200601K1\200601K1-7.qld

Last Altered: Tuesday, June 02, 2020 11:36:30 Pacific Daylight Time

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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 35-65	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			0.0216	
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-126	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	



Dataset: U:\VG11.PRO\Results\200601K1\200601K1-7.qld

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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	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	Resp	FA	rv	RRF	u/Std	PreclRT	RT	PreclLR	RRT	Check RRT	Comp	NDeg	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	0.964	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		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	

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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	Comp	%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	

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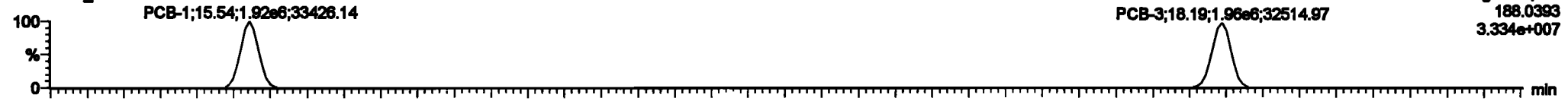
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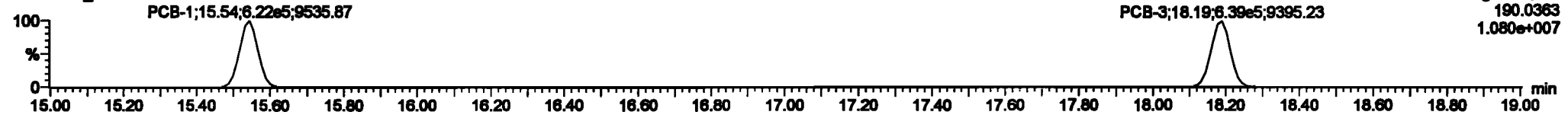
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**PCB-1**

200601K1\_7

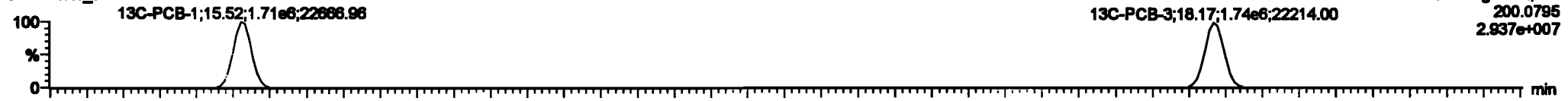


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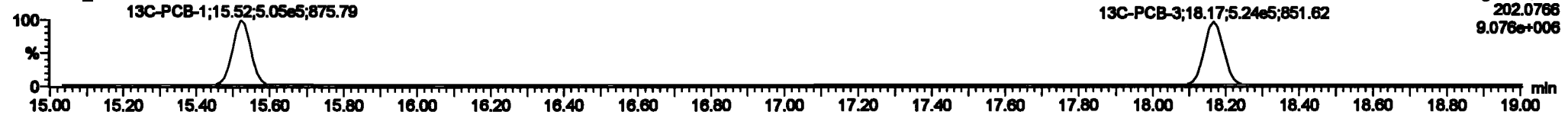


**13C-PCB-1**

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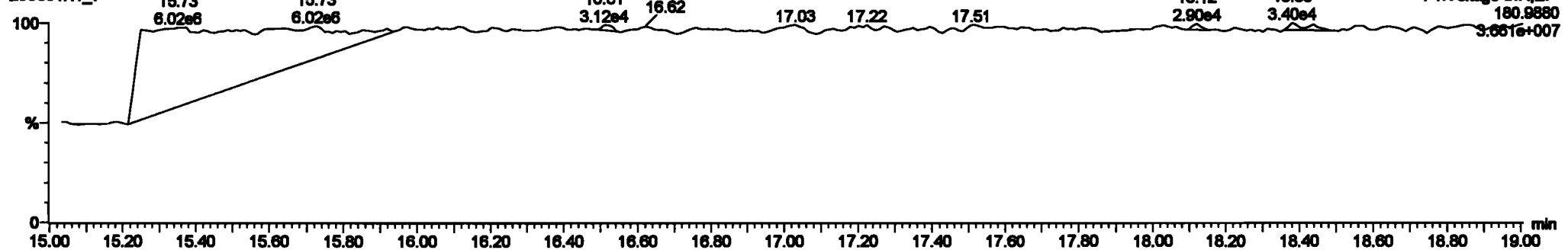


200601K1\_7



**PFK1**

200601K1\_7

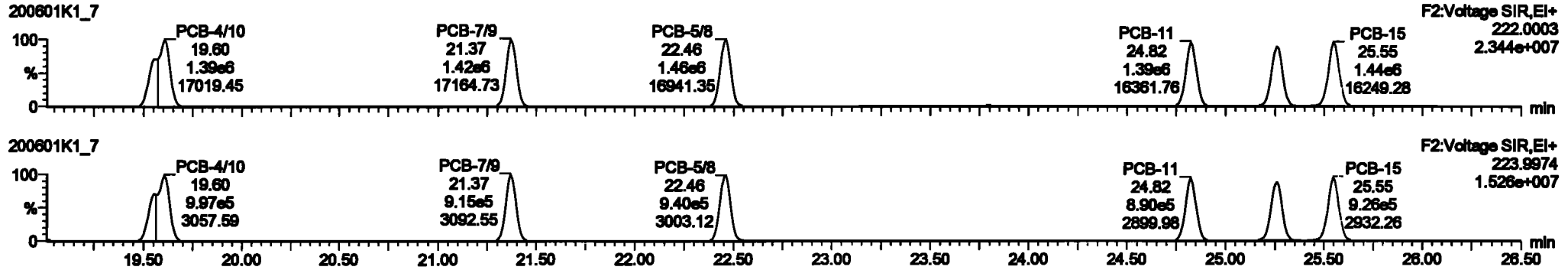


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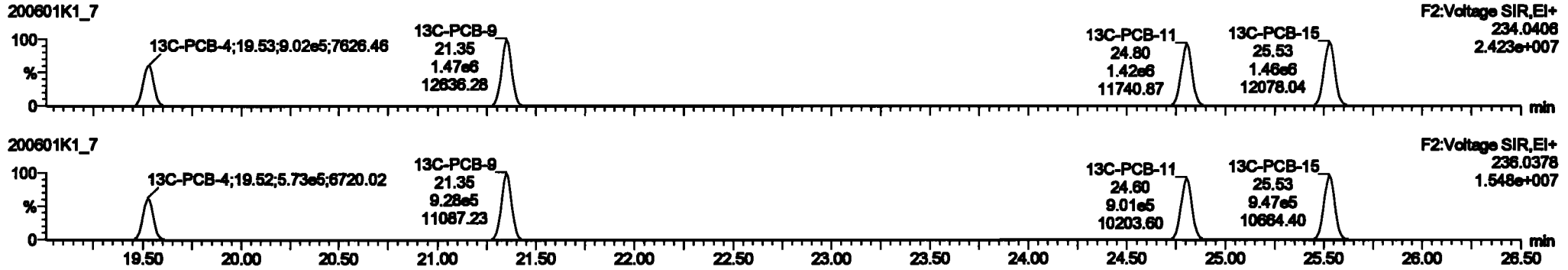
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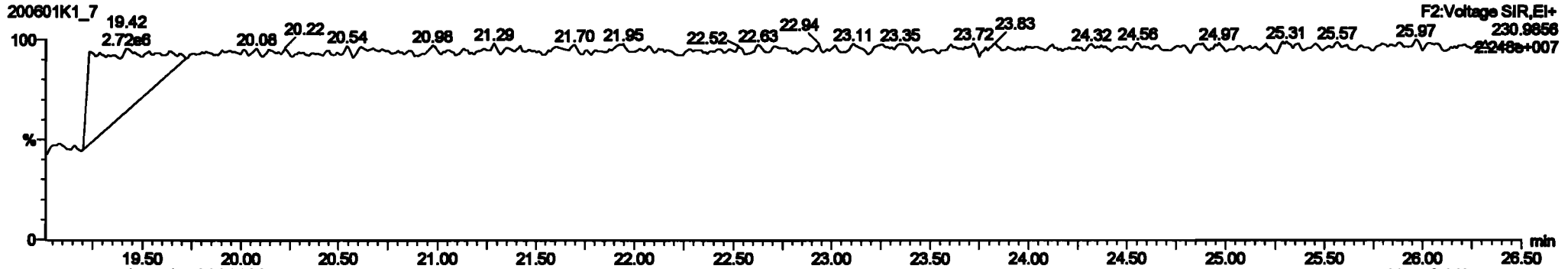
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**13C-PCB-4**



**PFK2a**







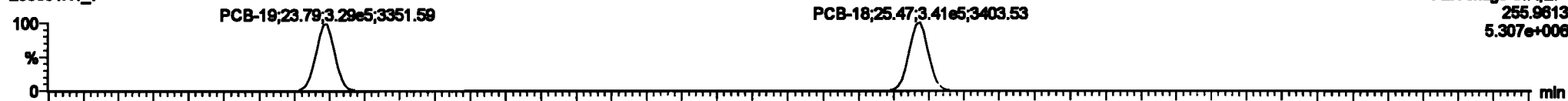
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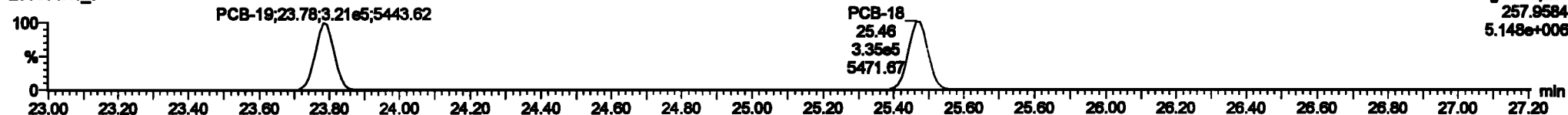
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PCB-19

200601K1\_7



200601K1\_7

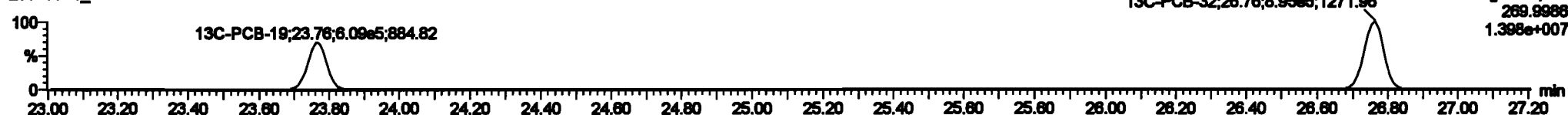


13C-PCB-19

200601K1\_7

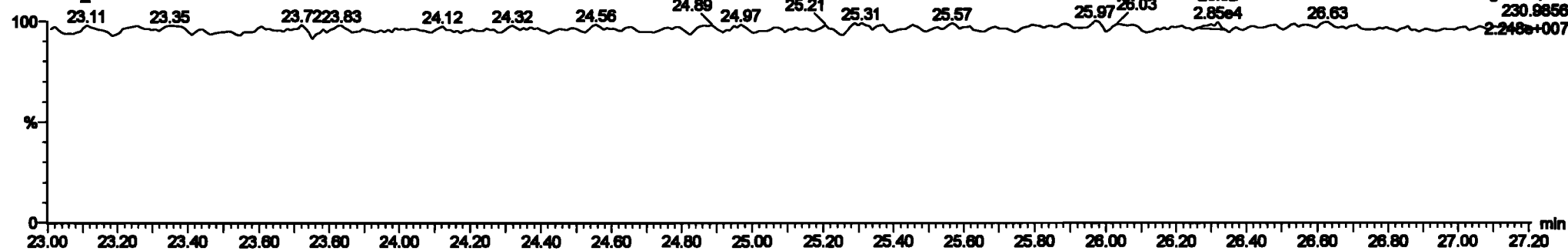


200601K1\_7



PFK2b

200601K1\_7



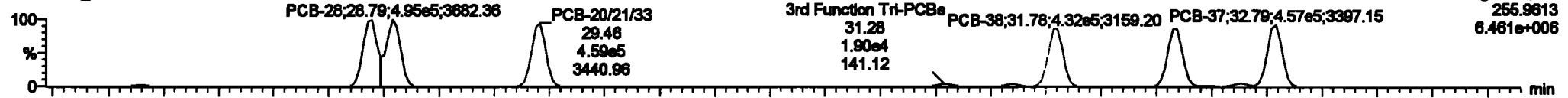
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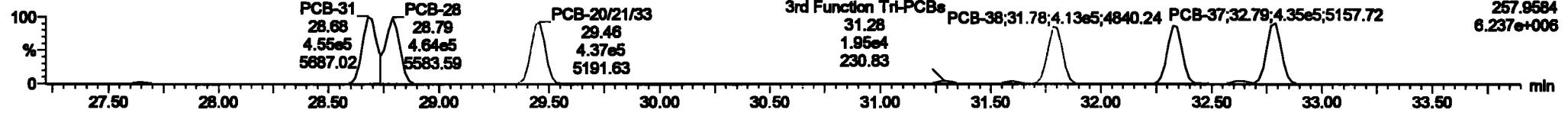
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**PCB-34**

200601K1\_7

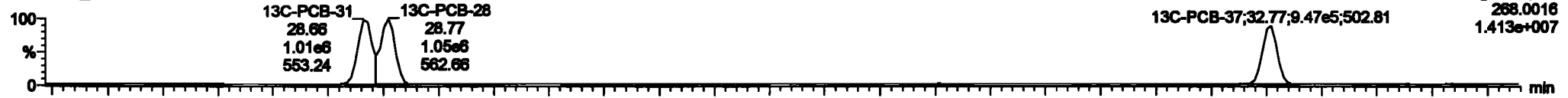


200601K1\_7

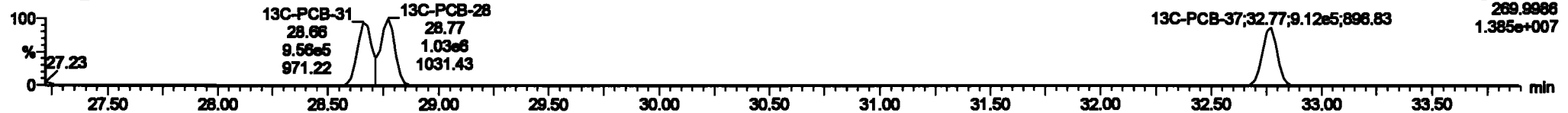


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200601K1\_7

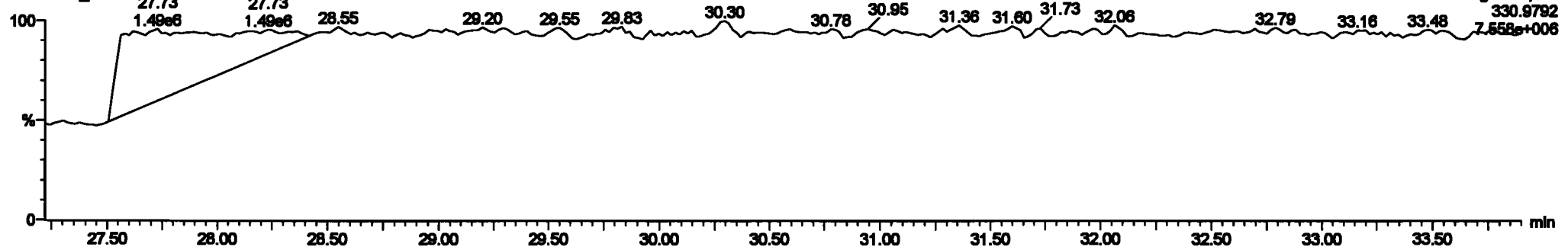


200601K1\_7



**PFK3d**

200601K1\_7

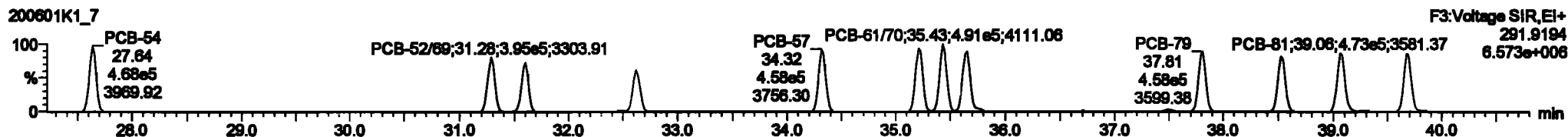
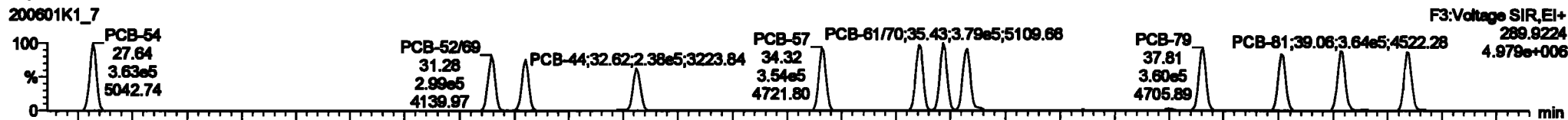


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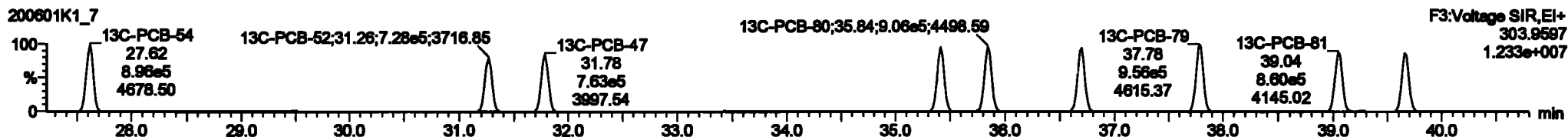
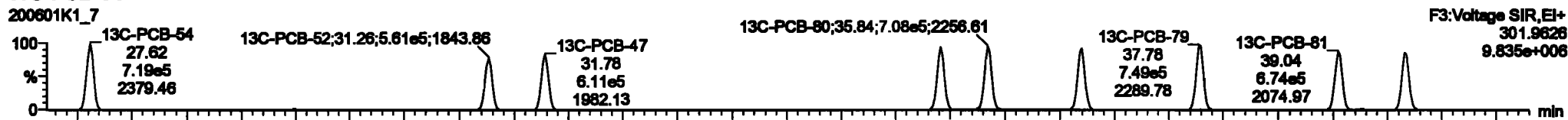
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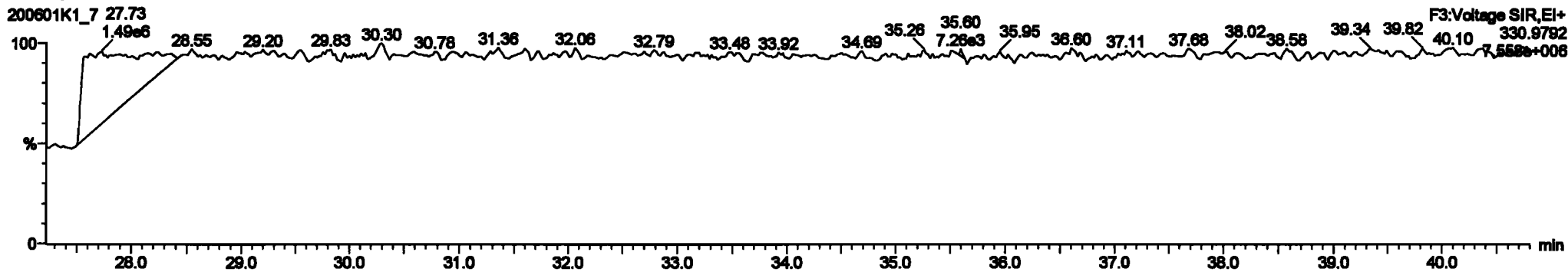
PCB-54



13C-PCB-54



PFK3a

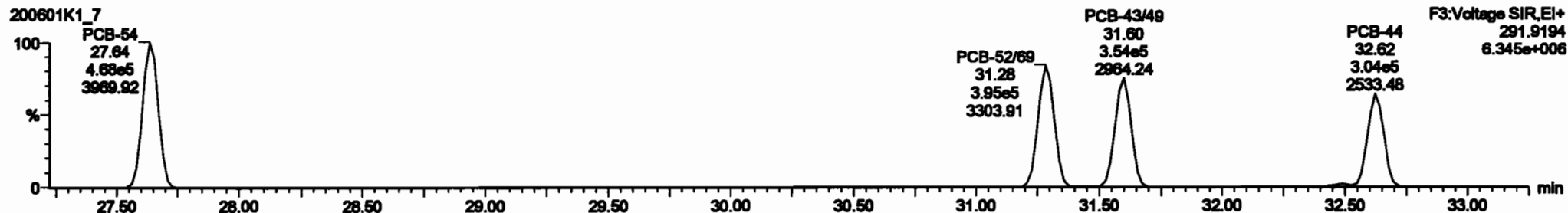


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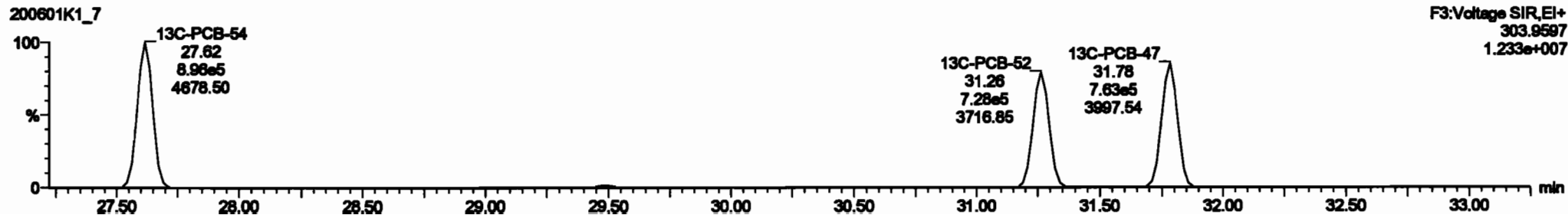
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PCB-50



13C-PCB-52



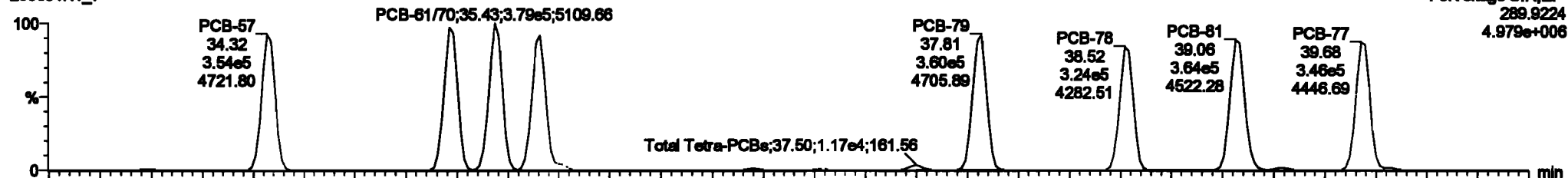
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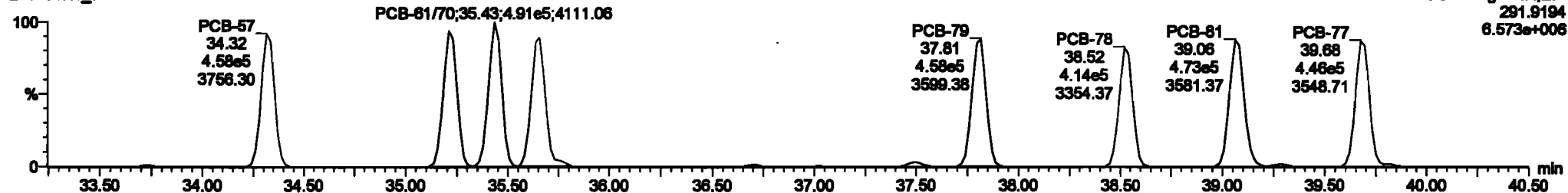
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PCB-68

200601K1\_7

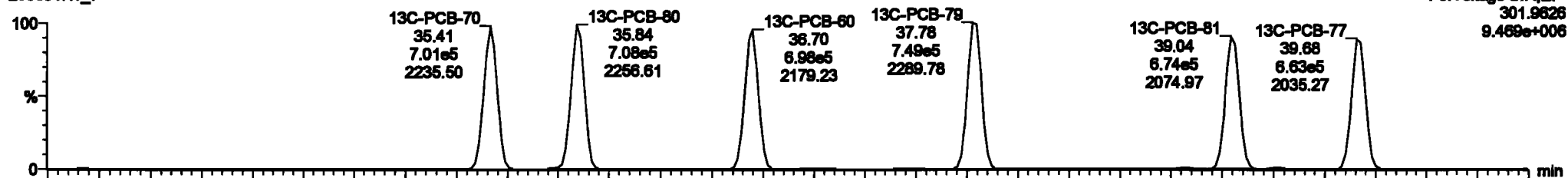


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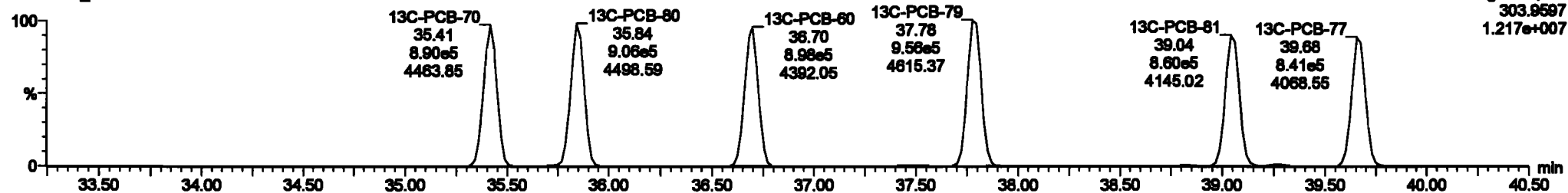


13C-PCB-60

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	37.80	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	45.80	45.80	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	102.7	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 100.0
225	Total D-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	100.0		0.280 100.0
226	2nd Function TAP-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	100.0		0.110 100.0
227	2nd Function TAP-PCBs				0.0000	1.000	0.00	0.000	0.000	0.000	NO	200.0		0.311 200.0
228	Total PCBs				4.0000	4.000	0.00	0.000	0.000	0.000	NO	100.0		0.800 100.0

#	Name	Prod.RT	RT	Lot Range	Lot Range	SP Ratio (Prod)	BA	Qty	QTY	Comp.
1	PCB-64	27.84	27.84	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	4.970in	0.770	0.77	NO	43.838	43.838
6	PCB-74	35.20	35.21	3.730in	4.720in	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	35.60	3.891in	4.830in	0.770	0.70	NO	44.671	44.671



Dataset: Untitled

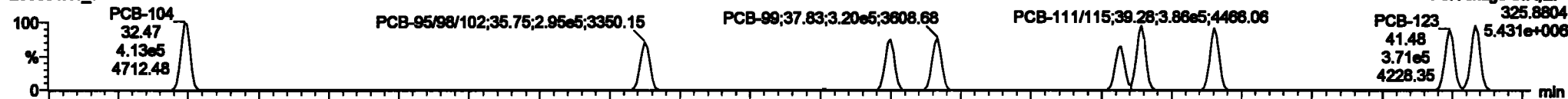
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

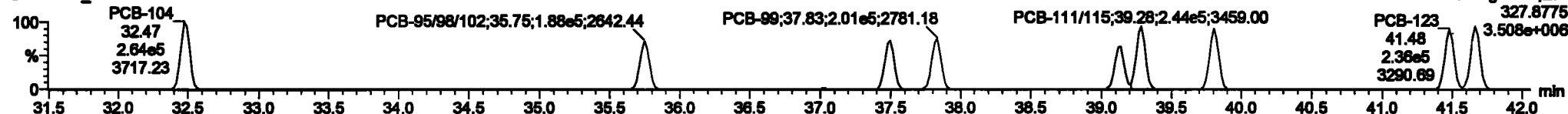
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**PCB-104**

200601K1\_7

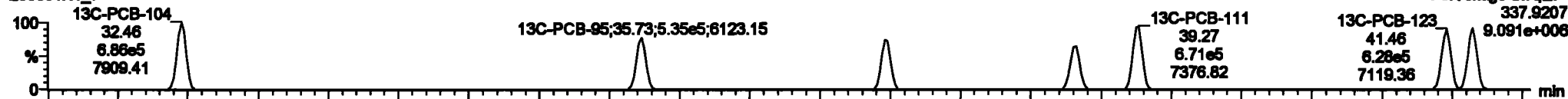


200601K1\_7

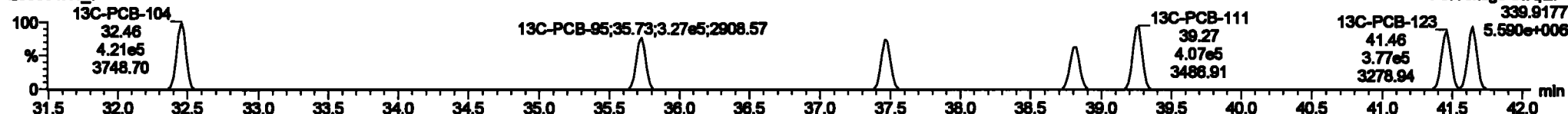


**13C-PCB-104**

200601K1\_7

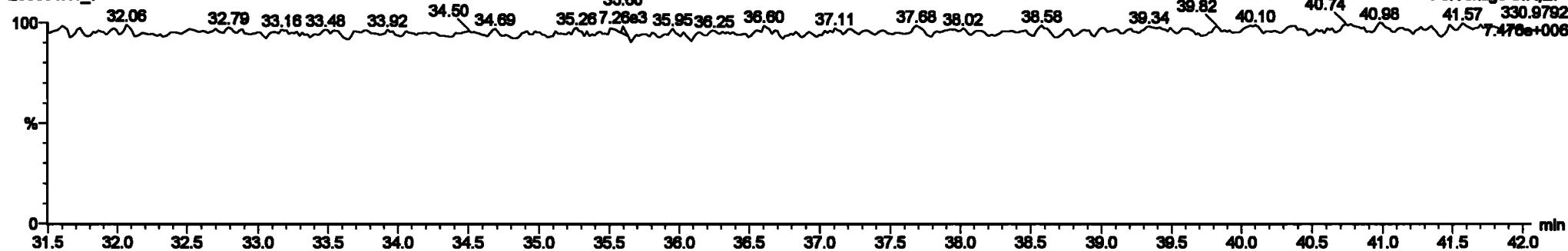


200601K1\_7



**PFK3b**

200601K1\_7





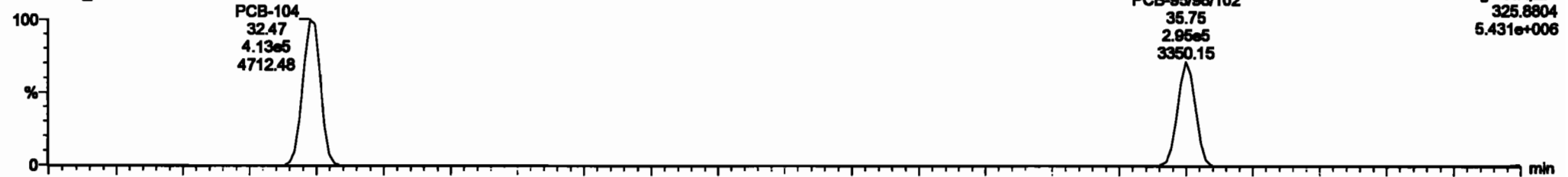
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

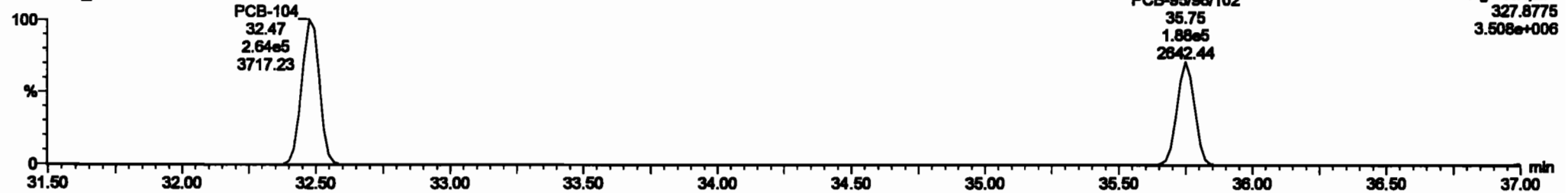
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**PCB-96**

200601K1\_7

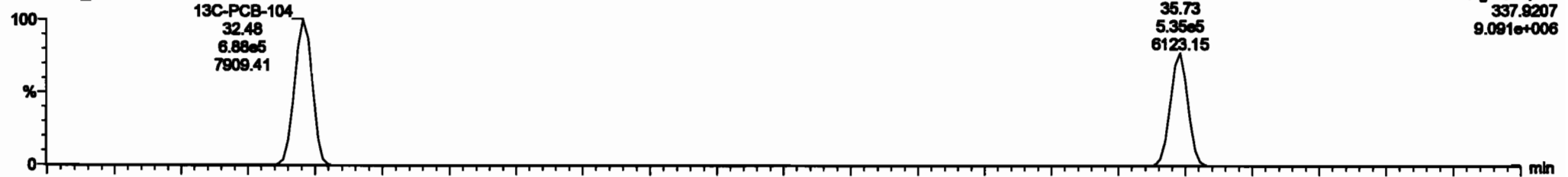


200601K1\_7

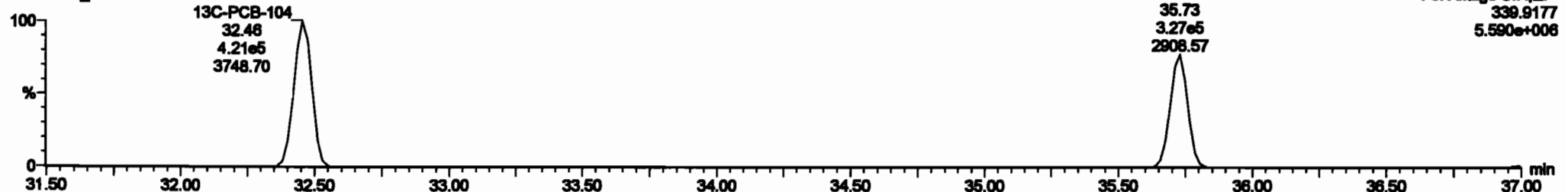


**13C-PCB-95**

200601K1\_7



200601K1\_7



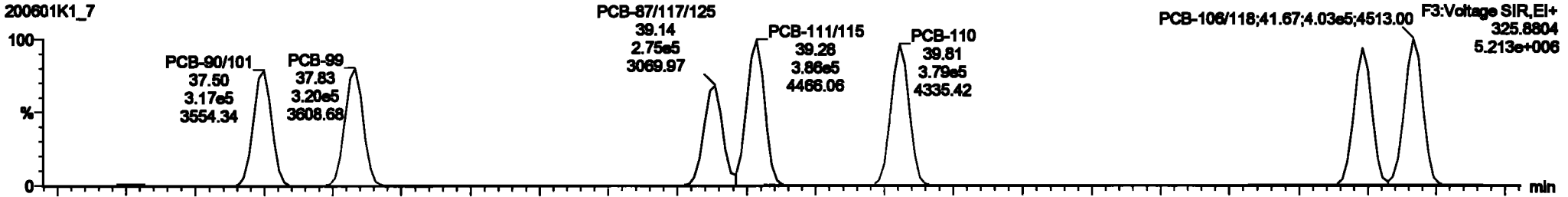
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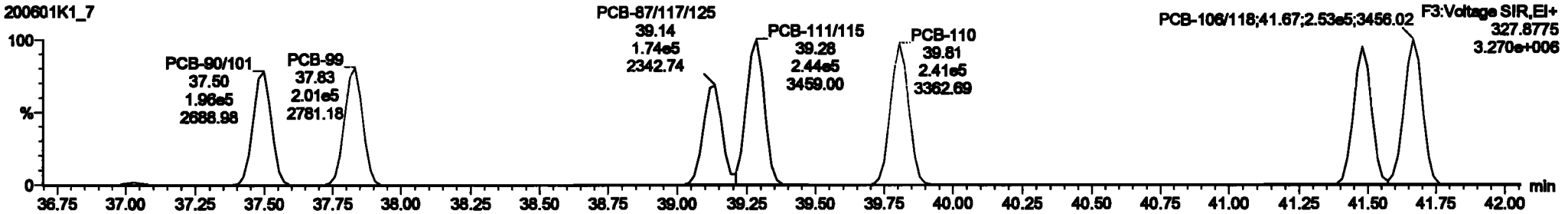
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PCB-119

200601K1\_7

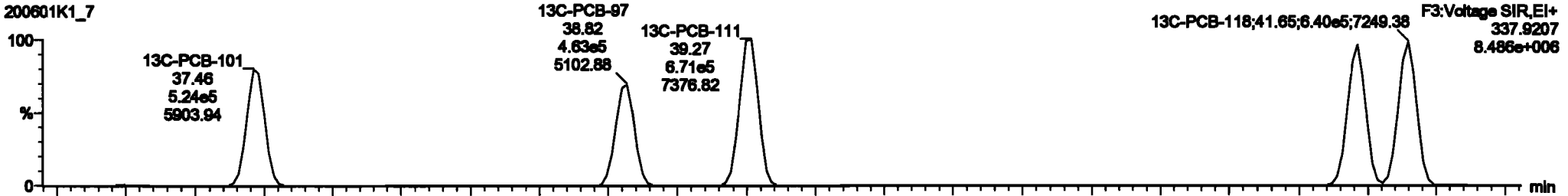


200601K1\_7

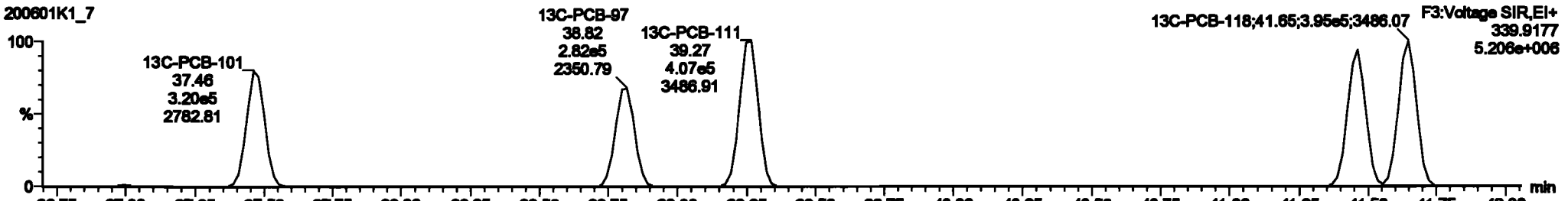


13C-PCB-111

200601K1\_7



200601K1\_7



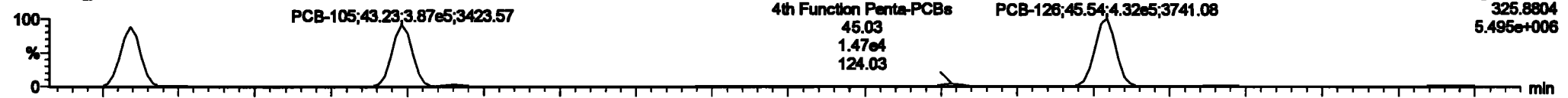
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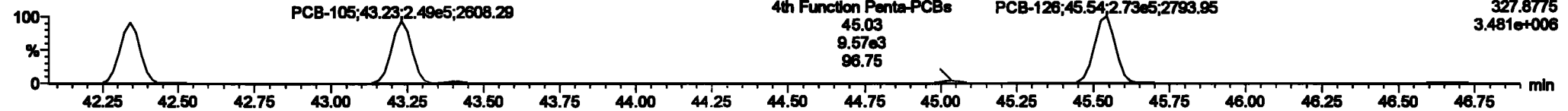
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**PCB-114**

200601K1\_7

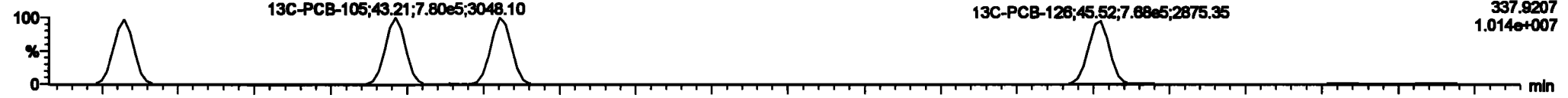


200601K1\_7

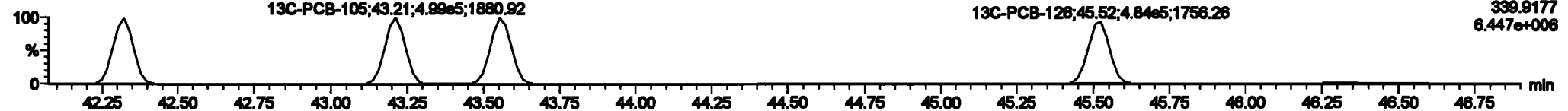


**13C-PCB-114**

200601K1\_7

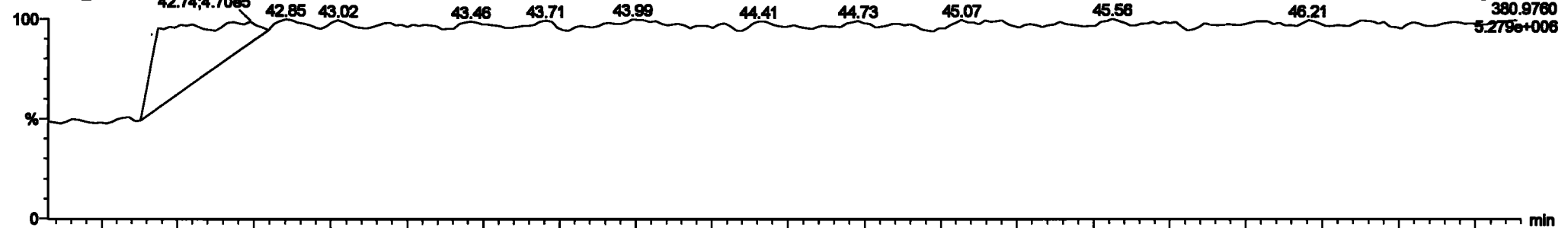


200601K1\_7



**PFK4a**

200601K1\_7



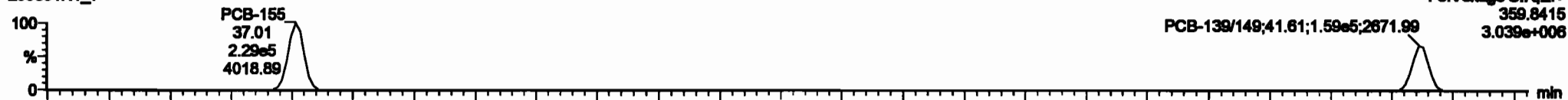
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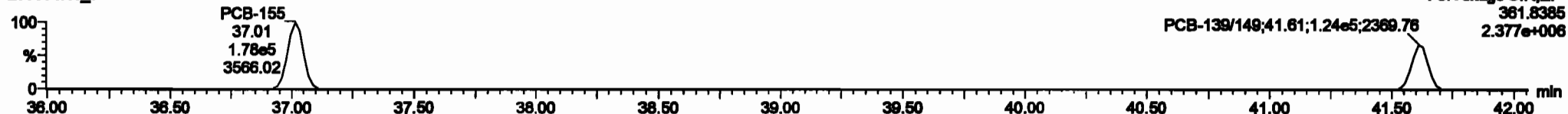
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**PCB-155**

200601K1\_7

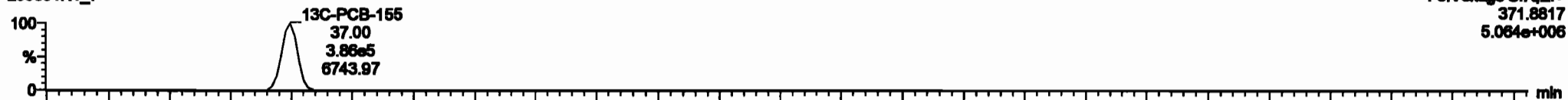


200601K1\_7

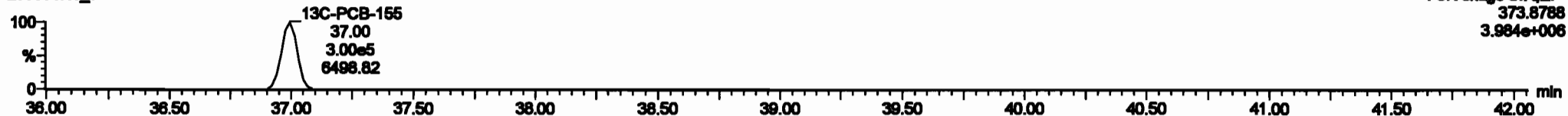


**13C-PCB-155**

200601K1\_7

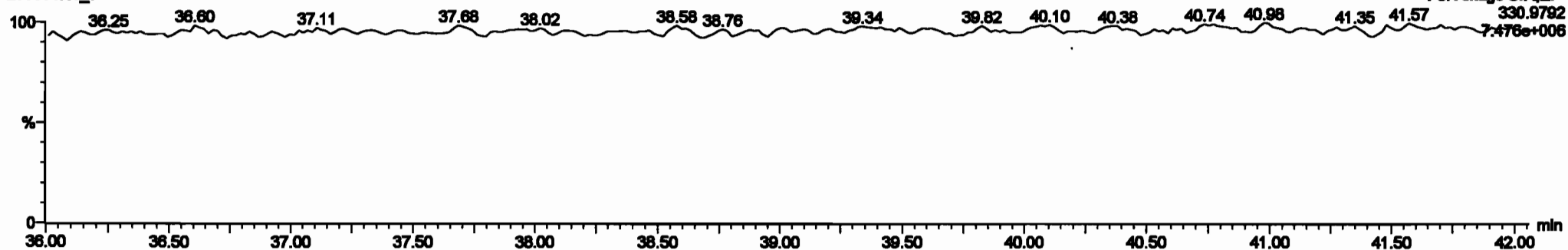


200601K1\_7



**PFK3c**

200601K1\_7

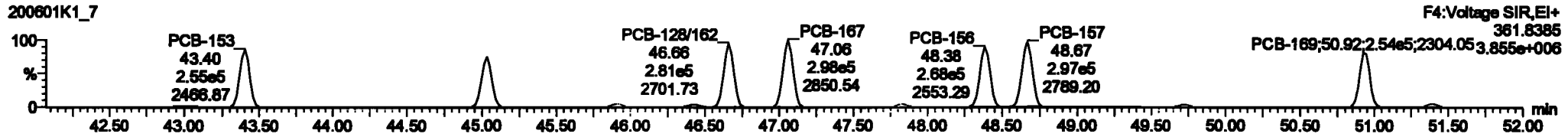
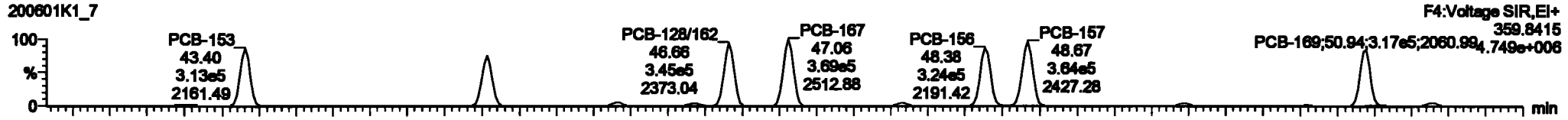


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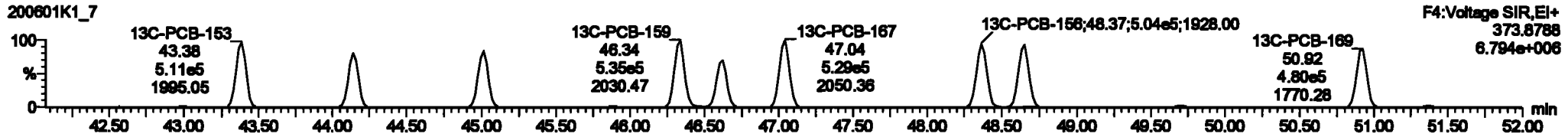
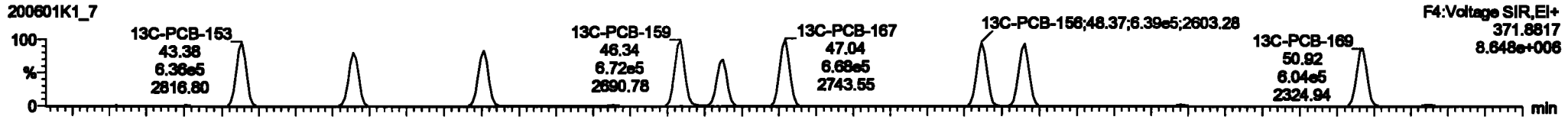
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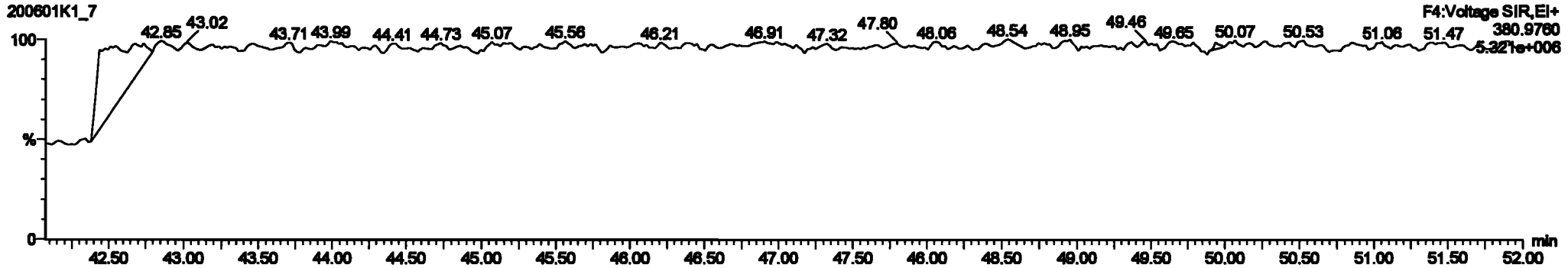
PCB-134/143



13C-PCB-153



PFK4b

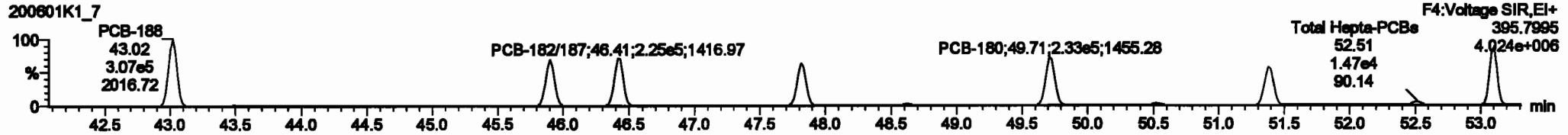
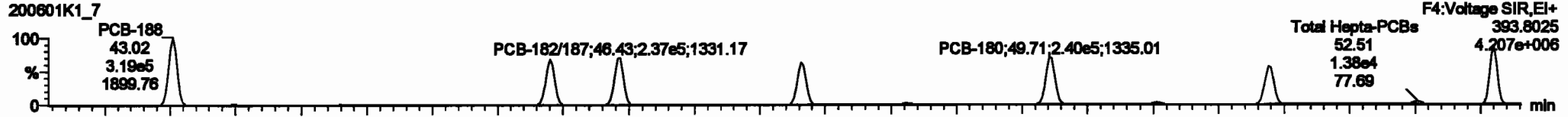


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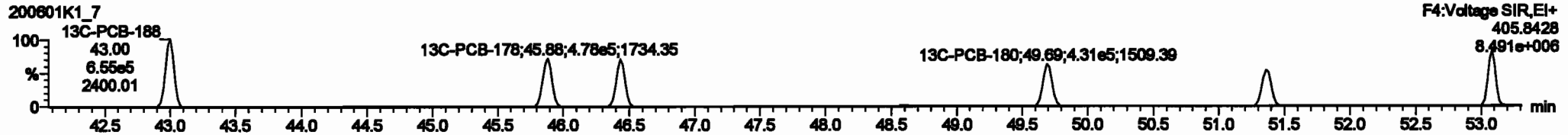
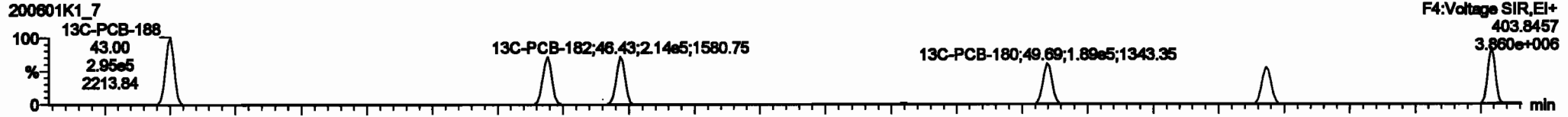
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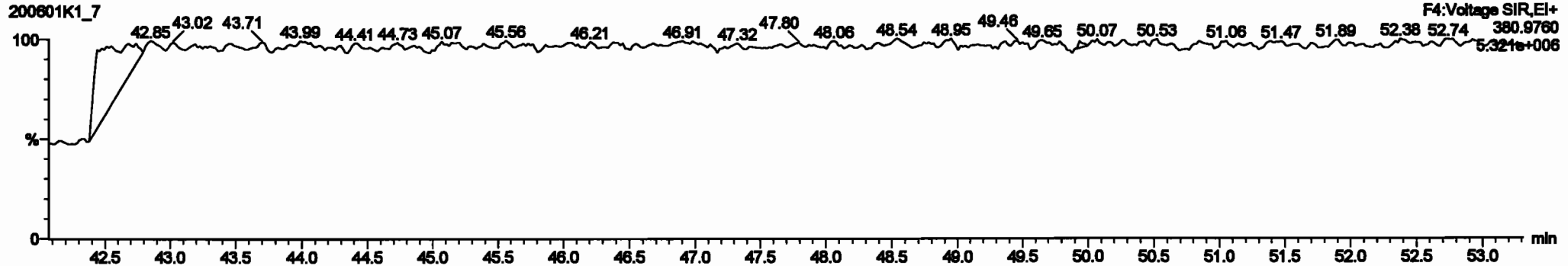
**PCB-188**



**13C-PCB-188**



**PFK4c**



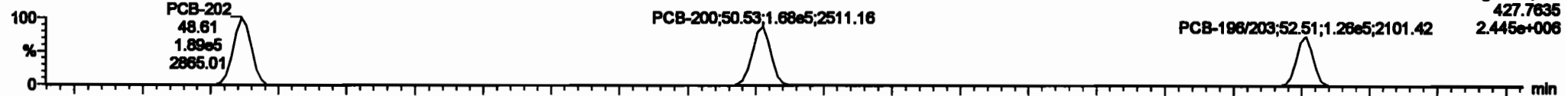
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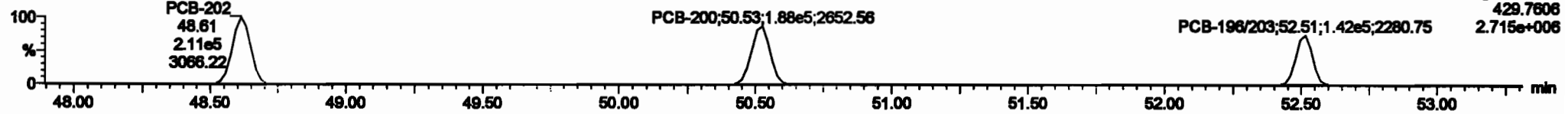
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**PCB-202**

200601K1\_7

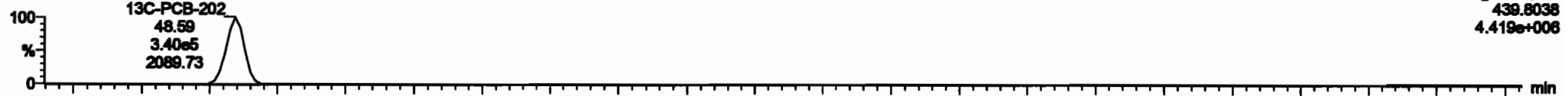


200601K1\_7

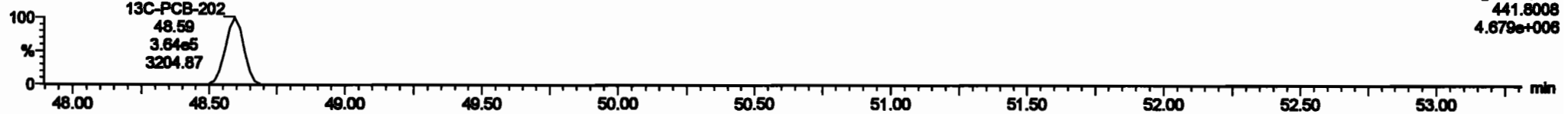


**13C-PCB-202**

200601K1\_7

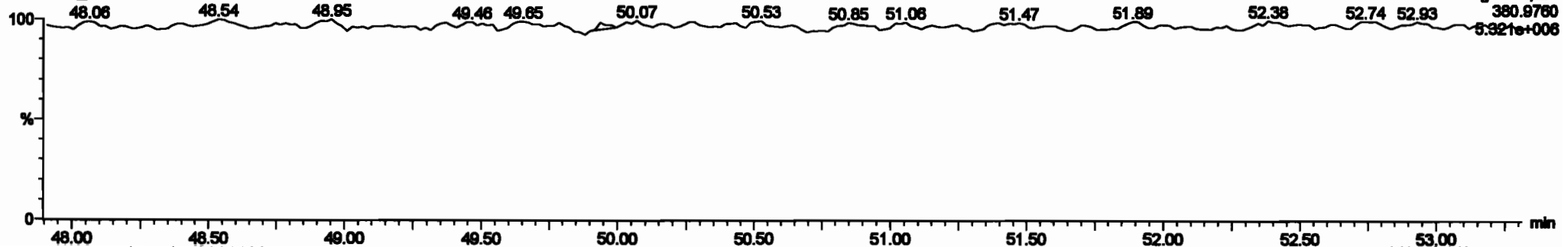


200601K1\_7



**PFK4d**

200601K1\_7





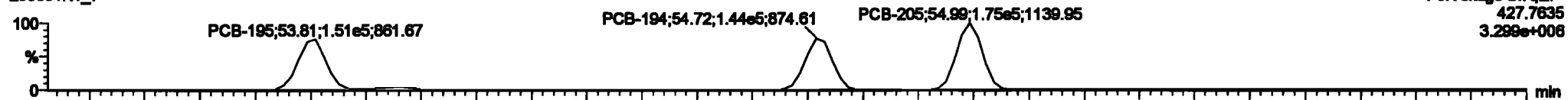
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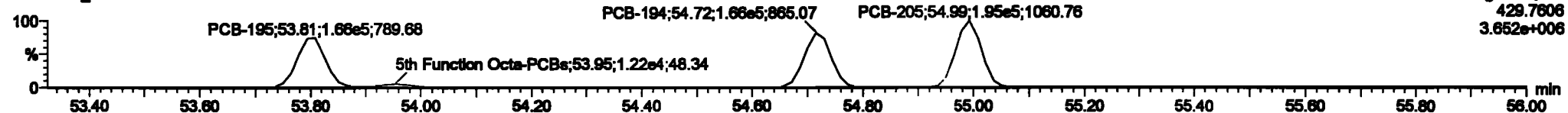
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**PCB-195**

200601K1\_7

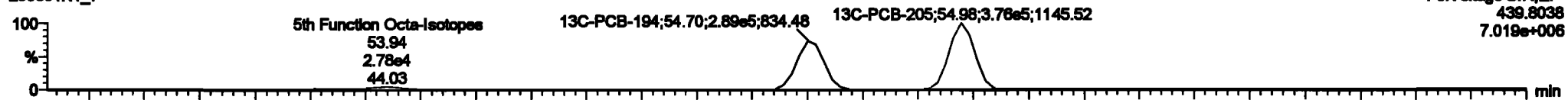


200601K1\_7

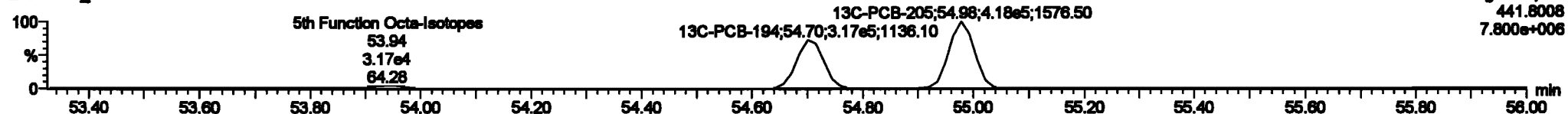


**13C-PCB-194**

200601K1\_7

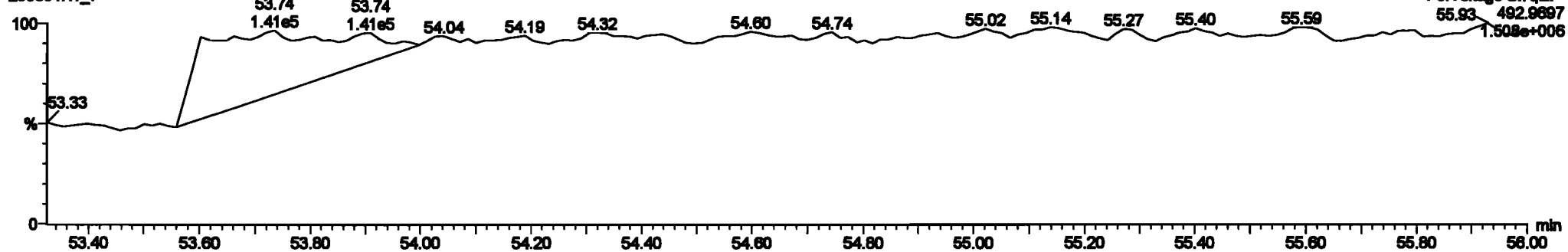


200601K1\_7



**PFK5a**

200601K1\_7



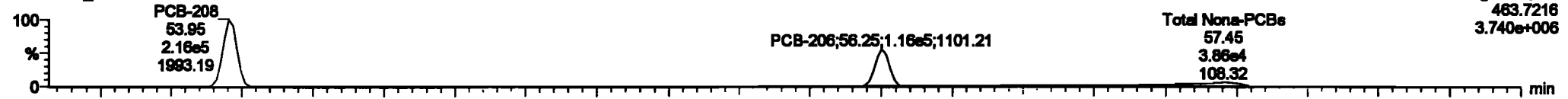
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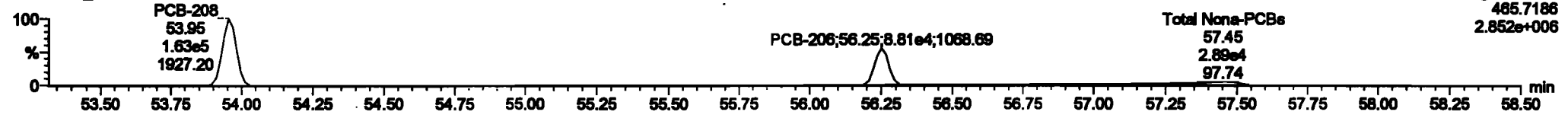
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**PCB-208**

200601K1\_7

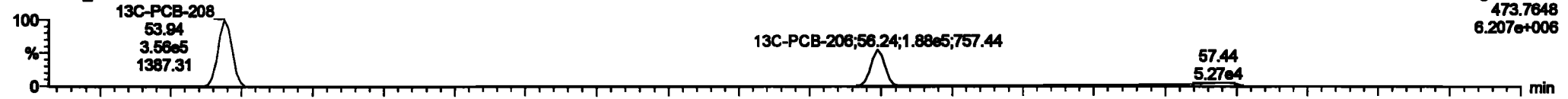


200601K1\_7

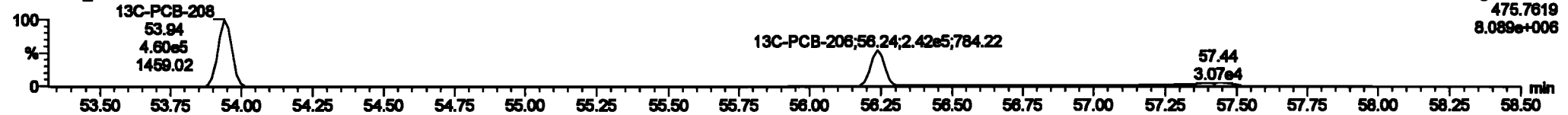


**13C-PCB-208**

200601K1\_7

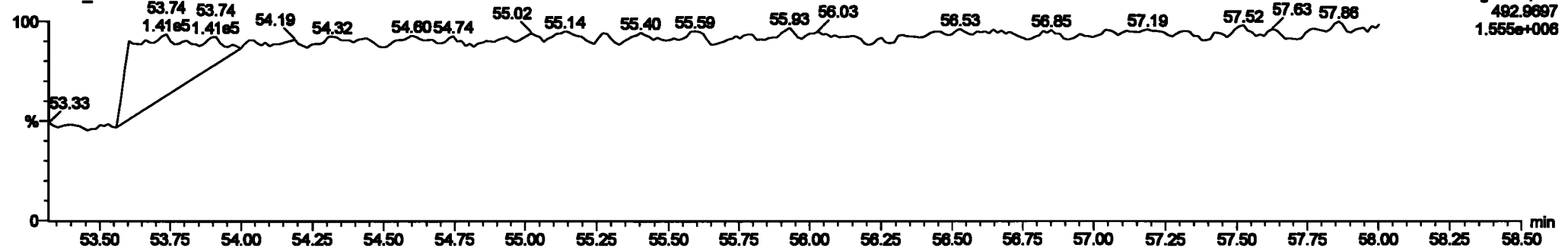


200601K1\_7



**PFK5**

200601K1\_7

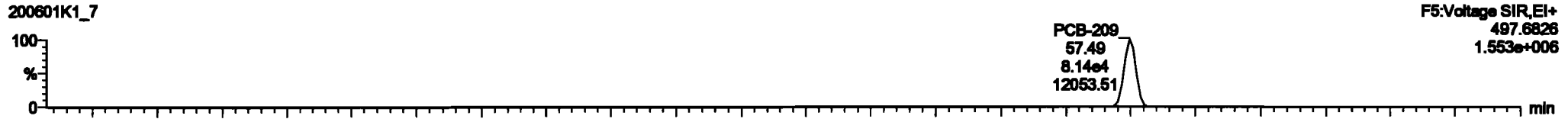


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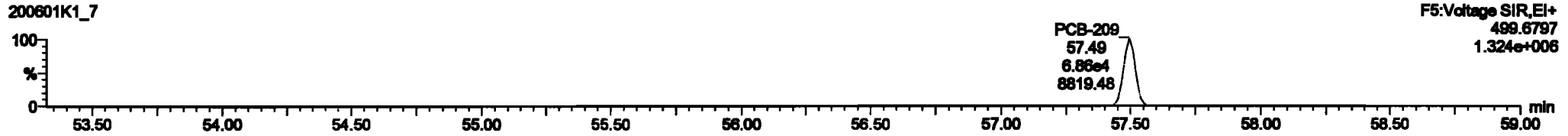
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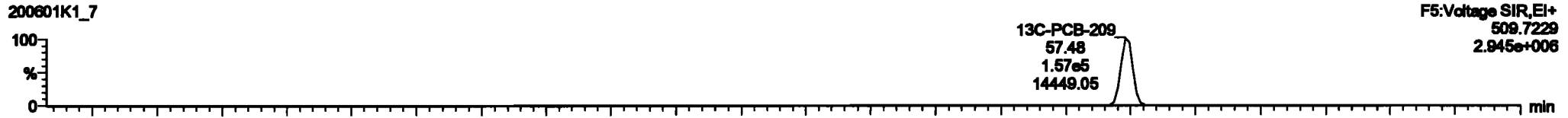
**PCB-209**  
200601K1\_7



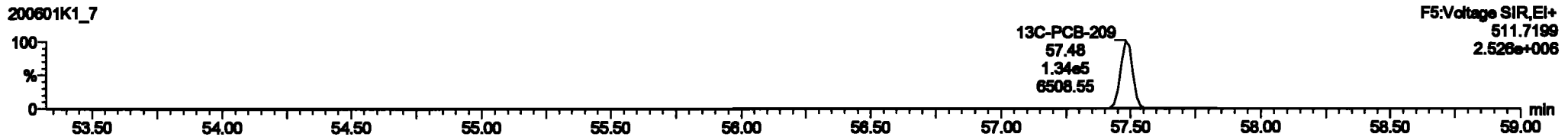
200601K1\_7



**13C-PCB-209**  
200601K1\_7



200601K1\_7



**PFK5b**  
200601K1\_7

