



July 09, 2020

**Vista Work Order No. 2001154**

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 27, 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. 2001154

### Case Narrative

#### Sample Condition on Receipt:

Fourteen sediment samples were received in good condition but outside of the recommended temperature preservation of <6°C. Authorization to proceed with the analyses was received by email on May 28, 2019. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The EPA Method 1613 analyses of the samples were assigned to Vista Work Order No. 2001153.

#### Analytical Notes:

##### EPA Method 1668C

These samples 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-171SC-A-00-01-200521". The RPDs out 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
2001154-01	PDI-171SC-A-00-01-200521	EPA Method 1668C	13C-PCB-206	H	169
2001154-01	PDI-171SC-A-00-01-200521	EPA Method 1668C	13C-PCB-208	H	150
2001154-01	PDI-171SC-A-00-01-200521	EPA Method 1668C	13C-PCB-209	H	257
2001154-02	PDI-173SC-A-00-01-200521	EPA Method 1668C	13C-PCB-209	H	200
2001154-03	PDI-174SC-A-00-01-200521	EPA Method 1668C	13C-PCB-209	H	191
B0F0004-DUP2	B0F0004-DUP2	EPA Method 1668C	13C-PCB-209	H	180

H = Recovery was outside laboratory acceptance criteria.

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# Sample Inventory Report

<b>Vista Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled</b>	<b>Received</b>	<b>Components/Containers</b>
2001154-01	PDI-171SC-A-00-01-200521	DUP21-May-20 15:15	27-May-20 10:27	Amber Glass, 120 mL
2001154-02	PDI-173SC-A-00-01-200521	21-May-20 11:45	27-May-20 10:27	Amber Glass, 120 mL
2001154-03	PDI-174SC-A-00-01-200521	21-May-20 12:10	27-May-20 10:27	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

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

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-171SC-A-00-01-200521**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001154-01	Date Received:	27-May-2020 10:27
Project:	Gasco PDI	Sample Size:	10.2 g	QC Batch:	B0F0004	Date Extracted:	02-Jun-2020 8:44
Date Collected:	21-May-2020 15:15	% Solids:	54.3	Date Analyzed :	17-Jun-20 22:25	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	5.19				PCB-44	207			
PCB-2	12.2				PCB-45	29.5			
PCB-3	4.20			J	PCB-46	13.0			
PCB-4/10	ND		14.4		PCB-47	108			
PCB-5/8	33.4				PCB-48/75	42.4			
PCB-6	8.21				PCB-50	1.88			J
PCB-7/9	ND	0.978			PCB-51	23.2			
PCB-11	34.3				PCB-52/69	275			
PCB-12/13	ND	1.00			PCB-53	48.7			
PCB-14	ND	1.01			PCB-54	4.67			
PCB-15	23.5				PCB-55	2.79			J
PCB-16/32	66.2				PCB-56/60	127			
PCB-17	53.6				PCB-57	ND		1.09	
PCB-18	89.4				PCB-58	ND		1.03	
PCB-19	21.7				PCB-61/70	289			
PCB-20/21/33	76.1				PCB-62	ND	0.246		
PCB-22	44.1				PCB-63	9.31			
PCB-23	ND	0.582			PCB-65	ND	0.216		
PCB-24/27	8.90			J	PCB-66/76	220			
PCB-25	12.2				PCB-67	6.27			
PCB-26	25.3				PCB-68	3.48			J
PCB-28	160				PCB-73	ND		0.835	
PCB-29	ND	0.576			PCB-74	92.3			
PCB-30	ND	0.388			PCB-77	20.8			
PCB-31	140				PCB-78	ND	0.186		
PCB-34	1.80			J	PCB-79	3.74			J
PCB-35	ND		1.61		PCB-80	ND	0.176		
PCB-36	ND	0.482			PCB-81	1.69			J
PCB-37	44.2				PCB-82	37.8			
PCB-38	1.89			J	PCB-83	ND	0.223		
PCB-39	ND	0.525			PCB-84/92	175			
PCB-40	40.2				PCB-85/116	52.0			
PCB-41/64/71/72	192				PCB-86	ND	0.366		
PCB-42/59	68.0				PCB-87/117/125	110			
PCB-43/49	213				PCB-88/91	68.1			

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-171SC-A-00-01-200521**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001154-01	Date Received:	27-May-2020 10:27
Project:	Gasco PDI	Sample Size:	10.2 g	QC Batch:	B0F0004	Date Extracted:	02-Jun-2020 8:44
Date Collected:	21-May-2020 15:15	% Solids:	54.3	Date Analyzed :	17-Jun-20 22:25 Column: ZB-1		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	3.32			J	PCB-137	11.8			
PCB-90/101	452				PCB-138/163/164	398			
PCB-93	ND	0.391			PCB-139/149	394			
PCB-94	3.86			J	PCB-140	3.72			J
PCB-95/98/102	337				PCB-141	75.9			
PCB-96	5.00				PCB-142	ND	0.373		
PCB-97	93.5				PCB-144	21.3			
PCB-99	162				PCB-145	ND	0.308		
PCB-100	8.48				PCB-146/165	74.7			
PCB-103	11.1				PCB-147	ND		11.2	
PCB-104	ND		0.987		PCB-148	ND	0.434		
PCB-105	85.7				PCB-150	2.71			J
PCB-106/118	283				PCB-151	144			
PCB-107/109	25.2				PCB-152	ND	0.308		
PCB-108/112	14.5				PCB-153	409			
PCB-110	380				PCB-154	11.3			
PCB-111/115	4.72			J	PCB-155	ND	0.350		
PCB-113	ND	0.242			PCB-156	27.8			
PCB-114	4.50			J	PCB-157	5.34			
PCB-119	14.3				PCB-158/160	37.2			
PCB-120	2.42			J	PCB-159	ND	0.227		
PCB-121	ND	0.214			PCB-166	1.02			J
PCB-122	3.01			J	PCB-167	13.0			
PCB-123	4.81				PCB-168	0.865			J
PCB-124	10.2				PCB-169	ND	0.276		
PCB-126	1.75			J	PCB-170	106			
PCB-127	ND	0.348			PCB-171	30.7			
PCB-128/162	51.8				PCB-172	18.8			
PCB-129	11.8				PCB-173	ND		2.17	
PCB-130	25.1				PCB-174	125			
PCB-131/133	13.4				PCB-175	5.08			
PCB-132/161	109				PCB-176	15.7			
PCB-134/143	22.7				PCB-177	72.2			
PCB-135	63.8				PCB-178	30.4			
PCB-136	93.0				PCB-179	57.7			

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-171SC-A-00-01-200521**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001154-01
Project:	Gasco PDI	Sample Size:	10.2 g	Date Received:	27-May-2020 10:27
Date Collected:	21-May-2020 15:15	% Solids:	54.3	QC Batch:	B0F0004
				Date Analyzed :	17-Jun-20 22:25 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	259				Total octaCB	281		291	
PCB-181	ND	0.268			Total nonaCB	50.8		55.3	
PCB-182/187	165				DecaCB	40.5			
PCB-183	66.3				Total PCB	8670			
PCB-184	0.381			J					
PCB-185	13.6								
PCB-186	ND	0.207							
PCB-188	0.508			J					
PCB-189	3.88			J					
PCB-190	22.1								
PCB-191	4.47			J					
PCB-192	ND	0.216							
PCB-193	14.2								
PCB-194	54.0								
PCB-195	22.1								
PCB-196/203	85.4								
PCB-197	3.49			J					
PCB-198	3.54			J					
PCB-199	83.3								
PCB-200	ND		9.89						
PCB-201	10.3								
PCB-202	17.0								
PCB-204	ND	0.179							
PCB-205	1.80			J					
PCB-206	39.4								
PCB-207	ND		4.50						
PCB-208	11.4								
PCB-209	40.5								
Total monoCB	21.6								
Total diCB	99.4		114						
Total triCB	745		746						
Total tetraCB	2040		2050						
Total pentaCB	2350		2360						
Total hexaCB	2020		2030						
Total heptaCB	1010								

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-171SC-A-00-01-200521**

**EPA Method 1668C**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001154-01
Project:	Gasco PDI	Sample Size:	10.2 g	Date Received:	27-May-2020 10:27
Date Collected:	21-May-2020 15:15	% Solids:	54.3	QC Batch:	B0F0004
				Date Analyzed :	17-Jun-20 22:25 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	93.6	5 -145		13C-PCB-170	111	10 -145	
13C-PCB-3	102	5 -145		13C-PCB-180	110	10 -145	
13C-PCB-4	93.0	5 -145		13C-PCB-188	101	10 -145	
13C-PCB-11	101	5 -145		13C-PCB-189	106	10 -145	
13C-PCB-9	96.8	5 -145		13C-PCB-194	124	10 -145	
13C-PCB-19	105	5 -145		13C-PCB-202	92.4	10 -145	
13C-PCB-28	90.6	5 -145		13C-PCB-206	169	10 -145	H
13C-PCB-32	107	5 -145		13C-PCB-208	150	10 -145	H
13C-PCB-37	98.7	5 -145		13C-PCB-209	257	10 -145	H
13C-PCB-47	95.6	5 -145		CRS 13C-PCB-79	102	10 -145	
13C-PCB-52	97.3	5 -145		13C-PCB-178	95.5	10 -145	
13C-PCB-54	91.8	5 -145					
13C-PCB-70	99.4	5 -145					
13C-PCB-77	102	10 -145					
13C-PCB-80	100	10 -145					
13C-PCB-81	104	10 -145					
13C-PCB-95	94.5	10 -145					
13C-PCB-97	101	10 -145					
13C-PCB-101	97.6	10 -145					
13C-PCB-104	95.2	10 -145					
13C-PCB-105	92.7	10 -145					
13C-PCB-114	93.4	10 -145					
13C-PCB-118	99.9	10 -145					
13C-PCB-123	103	10 -145					
13C-PCB-126	86.4	10 -145					
13C-PCB-127	93.4	10 -145					
13C-PCB-138	101	10 -145					
13C-PCB-141	103	10 -145					
13C-PCB-153	100	10 -145					
13C-PCB-155	77.7	10 -145					
13C-PCB-156	101	10 -145					
13C-PCB-157	102	10 -145					
13C-PCB-159	101	10 -145					
13C-PCB-167	99.1	10 -145					
13C-PCB-169	98.4	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-171SC-A-00-01-200521	QC Batch: B0F0004	Lab Sample: B0F0004-DUP2
Source LabNumber: 2001154-01	Date Extracted: 02-Jun-2020 8:44	Date Analyzed: 17-Jun-20 18:22 Column: ZB-1
Matrix: Solid		
Sample Size: 9.69 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	4.24			J	PCB-42/59	51.7			
PCB-2	13.5				PCB-43/49	179			
PCB-3	4.76				PCB-44	156			
PCB-4/10	18.0				PCB-45	25.0			
PCB-5/8	29.5				PCB-46	11.7			
PCB-6	6.70				PCB-47	91.4			
PCB-7/9	ND	1.10			PCB-48/75	30.1			
PCB-11	39.4				PCB-50	1.79			J
PCB-12/13	ND	1.12			PCB-51	23.8			
PCB-14	ND	1.13			PCB-52/69	228			
PCB-15	24.3				PCB-53	42.4			
PCB-16/32	48.5				PCB-54	5.81			
PCB-17	39.5				PCB-55	3.19			J
PCB-18	63.3				PCB-56/60	92.3			
PCB-19	22.1				PCB-57	1.67			J
PCB-20/21/33	53.6				PCB-58	1.75			J
PCB-22	35.8				PCB-61/70	204			
PCB-23	ND	0.726			PCB-62	ND	0.377		
PCB-24/27	8.87			J	PCB-63	7.79			
PCB-25	13.5				PCB-65	ND	0.331		
PCB-26	22.6				PCB-66/76	167			
PCB-28	127				PCB-67	5.16			
PCB-29	ND	0.718			PCB-68	3.52			J
PCB-30	ND	0.608			PCB-73	ND		1.34	
PCB-31	99.0				PCB-74	65.1			
PCB-34	ND		1.50		PCB-77	17.3			
PCB-35	3.82			J	PCB-78	ND		1.50	
PCB-36	1.04			J	PCB-79	4.77			
PCB-37	39.7				PCB-80	ND		0.702	
PCB-38	ND		2.03		PCB-81	3.40			J
PCB-39	ND		0.904		PCB-82	ND		27.2	
PCB-40	32.5				PCB-83	1.17			J
PCB-41/64/71/72	137				PCB-84/92	150			

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-171SC-A-00-01-200521	QC Batch: B0F0004	Lab Sample: B0F0004-DUP2
Source LabNumber: 2001154-01	Date Extracted: 02-Jun-2020 8:44	Date Analyzed: 17-Jun-20 18:22 Column: ZB-1
Matrix: Solid		
Sample Size: 9.69 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-85/116	48.1				PCB-130	29.4			
PCB-86	ND	0.502			PCB-131/133	15.8			
PCB-87/117/125	94.0				PCB-132/161	107			
PCB-88/91	60.4				PCB-134/143	22.9			
PCB-89	4.52			J	PCB-135	67.9			
PCB-90/101	408				PCB-136	91.2			
PCB-93	ND	0.529			PCB-137	12.5			
PCB-94	3.98			J	PCB-138/163/164	406			
PCB-95/98/102	287				PCB-139/149	392			
PCB-96	ND		3.71		PCB-140	4.07			J
PCB-97	77.1				PCB-141	80.2			
PCB-99	146				PCB-142	0.929			J
PCB-100	10.3				PCB-144	20.4			
PCB-103	11.7				PCB-145	ND	0.402		
PCB-104	ND	0.347			PCB-146/165	83.3			
PCB-105	81.7				PCB-147	14.0			
PCB-106/118	248				PCB-148	ND		1.08	
PCB-107/109	21.9				PCB-150	ND		2.90	
PCB-108/112	14.7				PCB-151	138			
PCB-110	335				PCB-152	2.20			J
PCB-111/115	6.76			J	PCB-153	434			
PCB-113	ND	0.327			PCB-154	13.5			
PCB-114	4.96				PCB-155	ND		1.06	
PCB-119	14.9				PCB-156	30.9			
PCB-120	3.11			J	PCB-157	6.55			
PCB-121	ND	0.290			PCB-158/160	39.1			
PCB-122	3.03			J	PCB-159	ND	0.328		
PCB-123	5.67				PCB-166	1.49			J
PCB-124	11.0				PCB-167	14.5			
PCB-126	1.84			J	PCB-168	1.84			J
PCB-127	ND	0.412			PCB-169	ND	0.378		
PCB-128/162	51.7				PCB-170	115			
PCB-129	11.7				PCB-171	32.3			

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-171SC-A-00-01-200521	QC Batch: B0F0004	Lab Sample: B0F0004-DUP2
Source LabNumber: 2001154-01	Date Extracted: 02-Jun-2020 8:44	Date Analyzed: 17-Jun-20 18:22 Column: ZB-1
Matrix: Solid		
Sample Size: 9.69 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-172	20.2				PCB-207	5.77			
PCB-173	3.59			J	PCB-208	15.2			
PCB-174	139				PCB-209	50.2			
PCB-175	ND		5.21		Total monoCB	22.5			
PCB-176	ND		15.2		Total diCB	118			
PCB-177	80.8				Total triCB	578		583	
PCB-178	31.2				Total tetraCB	1590		1600	
PCB-179	65.8				Total pentaCB	2060		2090	
PCB-180	268				Total hexaCB	2090		2100	
PCB-181	ND	0.577			Total heptaCB	1050		1080	
PCB-182/187	171				Total octaCB	277		285	
PCB-183	70.3				Total nonaCB	60.8			
PCB-184	ND		0.792		DecaCB	50.2			
PCB-185	14.0				Total PCB	7900			
PCB-186	ND	0.437							
PCB-188	1.30			J					
PCB-189	4.70			J					
PCB-190	24.0								
PCB-191	ND		4.50						
PCB-192	ND	0.466							
PCB-193	13.5								
PCB-194	49.6								
PCB-195	22.4								
PCB-196/203	84.1								
PCB-197	ND		2.67						
PCB-198	ND		2.80						
PCB-199	83.6								
PCB-200	9.56								
PCB-201	11.1								
PCB-202	17.1								
PCB-204	ND	0.463							
PCB-205	ND		1.70						
PCB-206	39.8								

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-171SC-A-00-01-200521	QC Batch: B0F0004	Lab Sample: B0F0004-DUP2
Source LabNumber: 2001154-01	Date Extracted: 02-Jun-2020 8:44	Date Analyzed: 17-Jun-20 18:22 Column: ZB-1
Matrix: Solid		
Sample Size: 9.69 g		

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	78.9	5-145		13C-PCB-157	98.7	10-145	
13C-PCB-3	89.7	5-145		13C-PCB-159	100	10-145	
13C-PCB-4	94.4	5-145		13C-PCB-167	99.5	10-145	
13C-PCB-11	101	5-145		13C-PCB-169	101	10-145	
13C-PCB-9	94.6	5-145		13C-PCB-170	110	10-145	
13C-PCB-19	81.6	5-145		13C-PCB-180	109	10-145	
13C-PCB-28	98.0	5-145		13C-PCB-188	103	10-145	
13C-PCB-32	80.7	5-145		13C-PCB-189	107	10-145	
13C-PCB-37	101	5-145		13C-PCB-194	119	10-145	
13C-PCB-47	100	5-145		13C-PCB-202	84.6	10-145	
13C-PCB-52	97.1	5-145		13C-PCB-206	141	10-145	
13C-PCB-54	91.8	5-145		13C-PCB-208	119	10-145	
13C-PCB-70	99.8	5-145		13C-PCB-209	180	10-145	H
13C-PCB-77	103	10-145		CRS 13C-PCB-79	103	10-145	
13C-PCB-80	104	10-145		13C-PCB-178	84.4	10-145	
13C-PCB-81	103	10-145					
13C-PCB-95	100	10-145					
13C-PCB-97	103	10-145					
13C-PCB-101	101	10-145					
13C-PCB-104	99.3	10-145					
13C-PCB-105	109	10-145					
13C-PCB-114	109	10-145					
13C-PCB-118	103	10-145					
13C-PCB-123	104	10-145					
13C-PCB-126	102	10-145					
13C-PCB-127	109	10-145					
13C-PCB-138	100	10-145					
13C-PCB-141	102	10-145					
13C-PCB-153	101	10-145					
13C-PCB-155	76.7	10-145					
13C-PCB-156	101	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-171SC-A-00-01-200521  
 Source LabNumber: 2001154-01  
 Matrix: Solid

Duplicate Lab Sample: B0F0004-DUP2

Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit	Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit
PCB-1	4.24	5.19	20.3	25	PCB-43/49	179	213	17.6	25
PCB-2	13.5	12.2	9.69	25	PCB-44	156	207	27.9	25
PCB-3	4.76	4.20	12.6	25	PCB-45	25.0	29.5	16.5	25
PCB-4/10	18.0	ND	#	25	PCB-46	11.7	13.0	10.1	25
PCB-5/8	29.5	33.4	12.4	25	PCB-47	91.4	108	16.6	25
PCB-6	6.70	8.21	20.4	25	PCB-48/75	30.1	42.4	33.9	25
PCB-7/9	ND	ND	NA	25	PCB-50	1.79	1.88	4.79	25
PCB-11	39.4	34.3	13.8	25	PCB-51	23.8	23.2	2.63	25
PCB-12/13	ND	ND	NA	25	PCB-52/69	228	275	19.0	25
PCB-14	ND	ND	NA	25	PCB-53	42.4	48.7	13.9	25
PCB-15	24.3	23.5	3.58	25	PCB-54	5.81	4.67	21.7	25
PCB-16/32	48.5	66.2	30.8	25	PCB-55	3.19	2.79	13.3	25
PCB-17	39.5	53.6	30.3	25	PCB-56/60	92.3	127	31.6	25
PCB-18	63.3	89.4	34.1	25	PCB-57	1.67	ND	#	25
PCB-19	22.1	21.7	2.05	25	PCB-58	1.75	ND	#	25
PCB-20/21/33	53.6	76.1	34.7	25	PCB-61/70	204	289	34.6	25
PCB-22	35.8	44.1	21.0	25	PCB-62	ND	ND	NA	25
PCB-23	ND	ND	NA	25	PCB-63	7.79	9.31	17.8	25
PCB-24/27	8.87	8.90	0.380	25	PCB-65	ND	ND	NA	25
PCB-25	13.5	12.2	10.2	25	PCB-66/76	167	220	27.8	25
PCB-26	22.6	25.3	11.4	25	PCB-67	5.16	6.27	19.5	25
PCB-28	127	160	22.9	25	PCB-68	3.52	3.48	1.28	25
PCB-29	ND	ND	NA	25	PCB-73	ND	ND	NA	25
PCB-30	ND	ND	NA	25	PCB-74	65.1	92.3	34.6	25
PCB-31	99.0	140	34.0	25	PCB-77	17.3	20.8	18.2	25
PCB-34	ND	1.80	#	25	PCB-78	ND	ND	NA	25
PCB-35	3.82	ND	#	25	PCB-79	4.77	3.74	24.4	25
PCB-36	1.04	ND	#	25	PCB-80	ND	ND	NA	25
PCB-37	39.7	44.2	10.6	25	PCB-81	3.40	1.69	67.3	25
PCB-38	ND	1.89	#	25	PCB-82	ND	37.8	#	25
PCB-39	ND	ND	NA	25	PCB-83	1.17	ND	#	25
PCB-40	32.5	40.2	21.4	25	PCB-84/92	150	175	15.4	25
PCB-41/64/71/72	137	192	33.0	25	PCB-85/116	48.1	52.0	7.80	25
PCB-42/59	51.7	68.0	27.4	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

the MDT

**Sample ID: Duplicate**

**EPA Method 1668C**

Source Client ID: PDI-171SC-A-00-01-200521  
 Source LabNumber: 2001154-01  
 Matrix: Solid

Duplicate Lab Sample: B0F0004-DUP2

Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit	Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit
PCB-87/117/125	94.0	110	15.7	25	PCB-134/143	22.9	22.7	0.695	25
PCB-88/91	60.4	68.1	12.1	25	PCB-135	67.9	63.8	6.21	25
PCB-89	4.52	3.32	<b>30.6</b>	25	PCB-136	91.2	93.0	2.01	25
PCB-90/101	408	452	10.2	25	PCB-137	12.5	11.8	5.96	25
PCB-93	ND	ND	NA	25	PCB-138/163/164	406	398	1.95	25
PCB-94	3.98	3.86	3.24	25	PCB-139/149	392	394	0.448	25
PCB-95/98/102	287	337	16.3	25	PCB-140	4.07	3.72	8.86	25
PCB-96	ND	5.00	#	25	PCB-141	80.2	75.9	5.58	25
PCB-97	77.1	93.5	19.2	25	PCB-142	0.929	ND	#	25
PCB-99	146	162	10.0	25	PCB-144	20.4	21.3	4.42	25
PCB-100	10.3	8.48	19.5	25	PCB-145	ND	ND	NA	25
PCB-103	11.7	11.1	4.73	25	PCB-146/165	83.3	74.7	10.9	25
PCB-104	ND	ND	NA	25	PCB-147	14.0	ND	#	25
PCB-105	81.7	85.7	4.78	25	PCB-148	ND	ND	NA	25
PCB-106/118	248	283	13.4	25	PCB-150	ND	2.71	#	25
PCB-107/109	21.9	25.2	13.9	25	PCB-151	138	144	4.71	25
PCB-108/112	14.7	14.5	1.02	25	PCB-152	2.20	ND	#	25
PCB-110	335	380	12.5	25	PCB-153	434	409	5.95	25
PCB-111/115	6.76	4.72	<b>35.6</b>	25	PCB-154	13.5	11.3	17.3	25
PCB-113	ND	ND	NA	25	PCB-155	ND	ND	NA	25
PCB-114	4.96	4.50	9.80	25	PCB-156	30.9	27.8	10.5	25
PCB-119	14.9	14.3	4.25	25	PCB-157	6.55	5.34	20.3	25
PCB-120	3.11	2.42	24.9	25	PCB-158/160	39.1	37.2	5.18	25
PCB-121	ND	ND	NA	25	PCB-159	ND	ND	NA	25
PCB-122	3.03	3.01	0.600	25	PCB-166	1.49	1.02	<b>36.8</b>	25
PCB-123	5.67	4.81	16.3	25	PCB-167	14.5	13.0	10.8	25
PCB-124	11.0	10.2	7.37	25	PCB-168	1.84	0.865	<b>72.1</b>	25
PCB-126	1.84	1.75	5.15	25	PCB-169	ND	ND	NA	25
PCB-127	ND	ND	NA	25	PCB-170	115	106	7.83	25
PCB-128/162	51.7	51.8	0.0634	25	PCB-171	32.3	30.7	4.96	25
PCB-129	11.7	11.8	0.478	25	PCB-172	20.2	18.8	6.98	25
PCB-130	29.4	25.1	15.8	25	PCB-173	3.59	ND	#	25
PCB-131/133	15.8	13.4	16.3	25	PCB-174	139	125	10.5	25
PCB-132/161	107	109	1.11	25	PCB-175	ND	5.08	#	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-171SC-A-00-01-200521  
 Source LabNumber: 2001154-01  
 Matrix: Solid

Duplicate Lab Sample: B0F0004-DUP2

Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit	Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit
PCB-176	ND	15.7	#	25					
PCB-177	80.8	72.2	11.3	25					
PCB-178	31.2	30.4	2.31	25					
PCB-179	65.8	57.7	13.0	25					
PCB-180	268	259	3.47	25					
PCB-181	ND	ND	NA	25					
PCB-182/187	171	165	3.09	25					
PCB-183	70.3	66.3	5.91	25					
PCB-184	ND	0.381	#	25					
PCB-185	14.0	13.6	2.47	25					
PCB-186	ND	ND	NA	25					
PCB-188	1.30	0.508	<b>87.4</b>	25					
PCB-189	4.70	3.88	19.1	25					
PCB-190	24.0	22.1	8.09	25					
PCB-191	ND	4.47	#	25					
PCB-192	ND	ND	NA	25					
PCB-193	13.5	14.2	4.80	25					
PCB-194	49.6	54.0	8.43	25					
PCB-195	22.4	22.1	1.32	25					
PCB-196/203	84.1	85.4	1.56	25					
PCB-197	ND	3.49	#	25					
PCB-198	ND	3.54	#	25					
PCB-199	83.6	83.3	0.313	25					
PCB-200	9.56	ND	#	25					
PCB-201	11.1	10.3	7.91	25					
PCB-202	17.1	17.0	0.935	25					
PCB-204	ND	ND	NA	25					
PCB-205	ND	1.80	#	25					
PCB-206	39.8	39.4	1.08	25					
PCB-207	5.77	ND	#	25					
PCB-208	15.2	11.4	<b>28.1</b>	25					
PCB-209	50.2	40.5	21.3	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 nearest 0.1.

**Sample ID: Duplicate**

**EPA Method 1668C**

Source Client ID: PDI-171SC-A-00-01-200521  
 Source LabNumber: 2001154-01  
 Matrix: Solid

Duplicate Lab Sample: B0F0004-DUP2

	Labeled Standard	Dup %R	Source %R	LCL-UCL		Labeled Standard	Dup %R	Source %R	LCL-UCL
IS	13C-PCB-1	78.9	93.6	5-145		13C-PCB-159	100	101	10-145
	13C-PCB-3	89.7	102	5-145		13C-PCB-167	99.5	99.1	10-145
	13C-PCB-4	94.4	93.0	5-145		13C-PCB-169	101	98.4	10-145
	13C-PCB-11	101	101	5-145		13C-PCB-170	110	111	10-145
	13C-PCB-9	94.6	96.8	5-145		13C-PCB-180	109	110	10-145
	13C-PCB-19	81.6	105	5-145		13C-PCB-188	103	101	10-145
	13C-PCB-28	98.0	90.6	5-145		13C-PCB-189	107	106	10-145
	13C-PCB-32	80.7	107	5-145		13C-PCB-194	119	124	10-145
	13C-PCB-37	101	98.7	5-145		13C-PCB-202	84.6	92.4	10-145
	13C-PCB-47	100	95.6	5-145		13C-PCB-206	141	169	10-145
	13C-PCB-52	97.1	97.3	5-145		13C-PCB-208	119	150	10-145
	13C-PCB-54	91.8	91.8	5-145		13C-PCB-209	180	257	10-145
	13C-PCB-70	99.8	99.4	5-145	CRS	13C-PCB-79	103	102	10-145
	13C-PCB-77	103	102	10-145		13C-PCB-178	84.4	95.5	10-145
	13C-PCB-80	104	100	10-145					
	13C-PCB-81	103	104	10-145					
	13C-PCB-95	100	94.5	10-145					
	13C-PCB-97	103	101	10-145					
	13C-PCB-101	101	97.6	10-145					
	13C-PCB-104	99.3	95.2	10-145					
	13C-PCB-105	109	92.7	10-145					
	13C-PCB-114	109	93.4	10-145					
	13C-PCB-118	103	99.9	10-145					
	13C-PCB-123	104	103	10-145					
	13C-PCB-126	102	86.4	10-145					
	13C-PCB-127	109	93.4	10-145					
	13C-PCB-138	100	101	10-145					
	13C-PCB-141	102	103	10-145					
	13C-PCB-153	101	100	10-145					
	13C-PCB-155	76.7	77.7	10-145					
	13C-PCB-156	101	101	10-145					
	13C-PCB-157	98.7	102	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 MFL

**Sample ID: PDI-173SC-A-00-01-200521**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001154-02	Date Received:	27-May-2020 10:27
Project:	Gasco PDI	Sample Size:	7.07 g	QC Batch:	B0F0004	Date Extracted:	02-Jun-2020 8:44
Date Collected:	21-May-2020 11:45	% Solids:	72.0	Date Analyzed :	17-Jun-20 23:26 Column: ZB-1		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	0.966			J	PCB-44	25.8			
PCB-2	2.21			J	PCB-45	3.64			J
PCB-3	1.69			J	PCB-46	3.18			J
PCB-4/10	5.34			J	PCB-47	53.0			
PCB-5/8	6.26			J	PCB-48/75	5.32			J
PCB-6	ND	1.06			PCB-50	ND		0.446	
PCB-7/9	ND	1.13			PCB-51	17.6			
PCB-11	7.80				PCB-52/69	42.0			
PCB-12/13	ND	0.979			PCB-53	14.7			
PCB-14	ND	0.988			PCB-54	2.59			J
PCB-15	4.87			J	PCB-55	0.538			J
PCB-16/32	15.8				PCB-56/60	13.9			
PCB-17	13.1				PCB-57	ND	0.211		
PCB-18	11.8				PCB-58	0.324			J
PCB-19	14.5				PCB-61/70	35.7			
PCB-20/21/33	10.9			J	PCB-62	ND	0.276		
PCB-22	5.63				PCB-63	ND		1.36	
PCB-23	ND	0.744			PCB-65	ND	0.243		
PCB-24/27	2.73			J	PCB-66/76	31.7			
PCB-25	ND		2.47		PCB-67	0.940			J
PCB-26	ND		4.14		PCB-68	1.49			J
PCB-28	30.5				PCB-73	1.25			J
PCB-29	ND	0.735			PCB-74	12.9			
PCB-30	ND	0.466			PCB-77	2.81			J
PCB-31	14.3				PCB-78	ND	0.231		
PCB-34	ND	0.694			PCB-79	ND		0.533	
PCB-35	ND	0.649			PCB-80	ND	0.212		
PCB-36	ND	0.629			PCB-81	0.363			J
PCB-37	6.38				PCB-82	6.20			
PCB-38	ND	0.644			PCB-83	ND	0.329		
PCB-39	ND	0.685			PCB-84/92	34.4			
PCB-40	5.01				PCB-85/116	8.38			J
PCB-41/64/71/72	27.8				PCB-86	ND	0.539		
PCB-42/59	10.1				PCB-87/117/125	17.1			
PCB-43/49	51.7				PCB-88/91	15.3			

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-173SC-A-00-01-200521**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001154-02	Date Received:	27-May-2020 10:27
Project:	Gasco PDI	Sample Size:	7.07 g	QC Batch:	B0F0004	Date Extracted:	02-Jun-2020 8:44
Date Collected:	21-May-2020 11:45	% Solids:	72.0	Date Analyzed :	17-Jun-20 23:26	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.467			PCB-137	2.66			J
PCB-90/101	82.5				PCB-138/163/164	81.6			
PCB-93	ND	0.544			PCB-139/149	79.9			
PCB-94	2.11			J	PCB-140	2.23			J
PCB-95/98/102	51.6				PCB-141	14.9			
PCB-96	ND	0.359			PCB-142	ND	0.332		
PCB-97	17.1				PCB-144	ND		3.74	
PCB-99	35.0				PCB-145	ND	0.213		
PCB-100	ND	0.435			PCB-146/165	23.4			
PCB-103	ND	0.443			PCB-147	2.91			J
PCB-104	ND	0.370			PCB-148	ND	0.301		
PCB-105	15.1				PCB-150	ND		1.10	
PCB-106/118	53.2				PCB-151	29.0			
PCB-107/109	ND		4.95		PCB-152	ND	0.213		
PCB-108/112	2.87			J	PCB-153	86.2			
PCB-110	68.9				PCB-154	4.88			J
PCB-111/115	0.593			J	PCB-155	ND	0.242		
PCB-113	ND	0.341			PCB-156	6.79			
PCB-114	0.953			J	PCB-157	ND		1.15	
PCB-119	4.39			J	PCB-158/160	7.15			J
PCB-120	0.855			J	PCB-159	ND	0.196		
PCB-121	ND	0.298			PCB-166	ND	0.209		
PCB-122	0.513			J	PCB-167	2.64			J
PCB-123	ND	0.366			PCB-168	ND	0.232		
PCB-124	1.94			J	PCB-169	ND	0.214		
PCB-126	ND	0.382			PCB-170	27.8			
PCB-127	ND	0.390			PCB-171	7.65			
PCB-128/162	10.9				PCB-172	ND		4.12	
PCB-129	ND		2.25		PCB-173	ND		0.390	
PCB-130	7.12				PCB-174	30.4			
PCB-131/133	3.89			J	PCB-175	1.27			J
PCB-132/161	22.8				PCB-176	3.70			J
PCB-134/143	4.74			J	PCB-177	21.9			
PCB-135	13.8				PCB-178	8.97			
PCB-136	15.4				PCB-179	14.6			

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-173SC-A-00-01-200521**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001154-02
Project:	Gasco PDI	Sample Size:	7.07 g	Date Received:	27-May-2020 10:27
Date Collected:	21-May-2020 11:45	% Solids:	72.0	QC Batch:	B0F0004
				Date Analyzed :	17-Jun-20 23:26 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	61.2				Total octaCB	46.7		71.2	
PCB-181	ND	0.242			Total nonaCB	12.5			
PCB-182/187	45.7				DecaCB	ND		10.4	
PCB-183	ND		13.8		Total PCB	1660			
PCB-184	ND	0.199							
PCB-185	ND		2.68						
PCB-186	ND	0.184							
PCB-188	0.322			J					
PCB-189	0.896			J					
PCB-190	6.57								
PCB-191	1.30			J					
PCB-192	ND	0.196							
PCB-193	4.21			J					
PCB-194	13.3								
PCB-195	5.83								
PCB-196/203	22.0								
PCB-197	0.998			J					
PCB-198	0.753			J					
PCB-199	ND		19.8						
PCB-200	ND		2.39						
PCB-201	ND		2.24						
PCB-202	3.37			J					
PCB-204	ND	0.482							
PCB-205	0.460			J					
PCB-206	8.46								
PCB-207	1.17			J					
PCB-208	2.85			J					
PCB-209	ND		10.4						
Total monoCB	4.86								
Total diCB	24.3								
Total triCB	126		132						
Total tetraCB	364		367						
Total pentaCB	419		424						
Total hexaCB	423		431						
Total heptaCB	237		258						

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-173SC-A-00-01-200521**

**EPA Method 1668C**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001154-02
Project:	Gasco PDI	Sample Size:	7.07 g	Date Received:	27-May-2020 10:27
Date Collected:	21-May-2020 11:45	% Solids:	72.0	QC Batch:	B0F0004
				Date Analyzed :	17-Jun-20 23:26 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	67.9	5 -145		13C-PCB-170	108	10 -145	
13C-PCB-3	77.3	5 -145		13C-PCB-180	104	10 -145	
13C-PCB-4	71.0	5 -145		13C-PCB-188	98.5	10 -145	
13C-PCB-11	84.4	5 -145		13C-PCB-189	112	10 -145	
13C-PCB-9	75.2	5 -145		13C-PCB-194	101	10 -145	
13C-PCB-19	90.7	5 -145		13C-PCB-202	87.5	10 -145	
13C-PCB-28	95.5	5 -145		13C-PCB-206	137	10 -145	
13C-PCB-32	96.0	5 -145		13C-PCB-208	110	10 -145	
13C-PCB-37	98.8	5 -145		13C-PCB-209	200	10 -145	H
13C-PCB-47	96.8	5 -145		CRS 13C-PCB-79	100	10 -145	
13C-PCB-52	95.3	5 -145		13C-PCB-178	90.4	10 -145	
13C-PCB-54	86.2	5 -145					
13C-PCB-70	99.3	5 -145					
13C-PCB-77	98.7	10 -145					
13C-PCB-80	98.6	10 -145					
13C-PCB-81	99.6	10 -145					
13C-PCB-95	96.1	10 -145					
13C-PCB-97	98.7	10 -145					
13C-PCB-101	97.4	10 -145					
13C-PCB-104	99.1	10 -145					
13C-PCB-105	91.2	10 -145					
13C-PCB-114	91.0	10 -145					
13C-PCB-118	99.1	10 -145					
13C-PCB-123	100	10 -145					
13C-PCB-126	88.3	10 -145					
13C-PCB-127	92.2	10 -145					
13C-PCB-138	97.2	10 -145					
13C-PCB-141	97.6	10 -145					
13C-PCB-153	97.0	10 -145					
13C-PCB-155	77.4	10 -145					
13C-PCB-156	97.4	10 -145					
13C-PCB-157	98.6	10 -145					
13C-PCB-159	97.9	10 -145					
13C-PCB-167	96.7	10 -145					
13C-PCB-169	104	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-174SC-A-00-01-200521**

**EPA Method 1668C**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001154-03	Date Received:	27-May-2020 10:27
Project:	Gasco PDI	Sample Size:	7.13 g	QC Batch:	B0F0004	Date Extracted:	02-Jun-2020 8:44
Date Collected:	21-May-2020 12:10	% Solids:	74.2	Date Analyzed :	18-Jun-20 07:38	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	2.38			J	PCB-44	53.4			
PCB-2	2.08			J	PCB-45	7.97			
PCB-3	2.50			J	PCB-46	4.06			J
PCB-4/10	ND	1.17			PCB-47	32.2			
PCB-5/8	8.95			J	PCB-48/75	9.23			J
PCB-6	2.74			J	PCB-50	ND	0.333		
PCB-7/9	ND	0.846			PCB-51	6.59			
PCB-11	7.71				PCB-52/69	85.3			
PCB-12/13	ND	0.866			PCB-53	13.8			
PCB-14	ND	0.874			PCB-54	1.02			J
PCB-15	6.05				PCB-55	0.827			J
PCB-16/32	18.1				PCB-56/60	29.1			
PCB-17	14.7				PCB-57	ND	0.281		
PCB-18	20.9				PCB-58	ND	0.272		
PCB-19	5.04				PCB-61/70	79.3			
PCB-20/21/33	17.6				PCB-62	ND	0.312		
PCB-22	8.72				PCB-63	ND	0.305		
PCB-23	ND	0.540			PCB-65	ND	0.275		
PCB-24/27	2.45			J	PCB-66/76	65.8			
PCB-25	4.03			J	PCB-67	ND	0.302		
PCB-26	5.56				PCB-68	2.02			J
PCB-28	33.7				PCB-73	ND	0.250		
PCB-29	ND	0.534			PCB-74	20.6			
PCB-30	ND	0.342			PCB-77	4.75			
PCB-31	26.5				PCB-78	ND	0.237		
PCB-34	ND	0.504			PCB-79	1.56			J
PCB-35	ND	0.456			PCB-80	ND	0.221		
PCB-36	ND	0.442			PCB-81	0.387			J
PCB-37	9.26				PCB-82	10.7			
PCB-38	ND	0.452			PCB-83	ND	0.248		
PCB-39	ND	0.481			PCB-84/92	62.2			
PCB-40	9.56				PCB-85/116	15.1			
PCB-41/64/71/72	45.3				PCB-86	ND	0.407		
PCB-42/59	17.7				PCB-87/117/125	34.4			
PCB-43/49	66.6				PCB-88/91	23.1			

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-174SC-A-00-01-200521**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001154-03	Date Received:	27-May-2020 10:27
Project:	Gasco PDI	Sample Size:	7.13 g	QC Batch:	B0F0004	Date Extracted:	02-Jun-2020 8:44
Date Collected:	21-May-2020 12:10	% Solids:	74.2	Date Analyzed :	18-Jun-20 07:38	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	1.36			J	PCB-137	4.65			J
PCB-90/101	147				PCB-138/163/164	157			
PCB-93	ND	0.423			PCB-139/149	167			
PCB-94	1.52			J	PCB-140	ND	0.445		
PCB-95/98/102	104				PCB-141	34.1			
PCB-96	ND	0.275			PCB-142	ND	0.284		
PCB-97	30.4				PCB-144	ND		7.59	
PCB-99	59.4				PCB-145	ND	0.297		
PCB-100	2.25			J	PCB-146/165	35.2			
PCB-103	ND		3.81		PCB-147	ND		2.73	
PCB-104	ND	0.283			PCB-148	ND	0.420		
PCB-105	26.2				PCB-150	ND		0.882	
PCB-106/118	86.8				PCB-151	59.7			
PCB-107/109	8.27			J	PCB-152	ND	0.298		
PCB-108/112	5.06			J	PCB-153	176			
PCB-110	124				PCB-154	5.50			
PCB-111/115	1.22			J	PCB-155	ND	0.338		
PCB-113	ND	0.270			PCB-156	12.6			
PCB-114	ND		1.27		PCB-157	2.25			J
PCB-119	6.09				PCB-158/160	15.5			
PCB-120	ND	0.227			PCB-159	ND	0.177		
PCB-121	ND	0.232			PCB-166	ND	0.188		
PCB-122	0.871			J	PCB-167	5.36			
PCB-123	1.36			J	PCB-168	0.318			J
PCB-124	4.00			J	PCB-169	ND	0.192		
PCB-126	ND	0.349			PCB-170	61.8			
PCB-127	ND	0.329			PCB-171	19.2			
PCB-128/162	18.6				PCB-172	ND		10.3	
PCB-129	5.14				PCB-173	ND		1.63	
PCB-130	10.7				PCB-174	60.9			
PCB-131/133	5.84			J	PCB-175	3.02			J
PCB-132/161	44.3				PCB-176	10.0			
PCB-134/143	9.39			J	PCB-177	40.9			
PCB-135	28.7				PCB-178	16.5			
PCB-136	36.6				PCB-179	35.1			

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-174SC-A-00-01-200521**

**EPA Method 1668C**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001154-03	Date Received:	27-May-2020 10:27
Project:	Gasco PDI	Sample Size:	7.13 g	QC Batch:	B0F0004	Date Extracted:	02-Jun-2020 8:44
Date Collected:	21-May-2020 12:10	% Solids:	74.2	Date Analyzed :	18-Jun-20 07:38	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	153				Total octaCB	162		176	
PCB-181	ND	0.333			Total nonaCB	25.0			
PCB-182/187	94.7				DecaCB	8.68			
PCB-183	40.2				Total PCB	3110			
PCB-184	ND	0.275							
PCB-185	8.82								
PCB-186	ND	0.255							
PCB-188	ND	0.263							
PCB-189	ND		1.92						
PCB-190	15.0								
PCB-191	2.64			J					
PCB-192	ND	0.269							
PCB-193	8.26								
PCB-194	36.0								
PCB-195	14.0								
PCB-196/203	55.0								
PCB-197	ND		1.07						
PCB-198	2.09			J					
PCB-199	49.1								
PCB-200	ND		5.24						
PCB-201	5.54								
PCB-202	ND		6.64						
PCB-204	ND	0.606							
PCB-205	ND		1.40						
PCB-206	17.1								
PCB-207	2.81			J					
PCB-208	5.08								
PCB-209	8.68								
Total monoCB	6.97								
Total diCB	25.5								
Total triCB	167								
Total tetraCB	557								
Total pentaCB	756		761						
Total hexaCB	835		846						
Total heptaCB	570		584						

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-174SC-A-00-01-200521**

**EPA Method 1668C**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001154-03
Project:	Gasco PDI	Sample Size:	7.13 g	Date Received:	27-May-2020 10:27
Date Collected:	21-May-2020 12:10	% Solids:	74.2	QC Batch:	B0F0004
				Date Analyzed :	18-Jun-20 07:38 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	92.1	5 -145		13C-PCB-170	115	10 -145	
13C-PCB-3	98.3	5 -145		13C-PCB-180	109	10 -145	
13C-PCB-4	87.4	5 -145		13C-PCB-188	102	10 -145	
13C-PCB-11	96.1	5 -145		13C-PCB-189	112	10 -145	
13C-PCB-9	89.6	5 -145		13C-PCB-194	107	10 -145	
13C-PCB-19	106	5 -145		13C-PCB-202	87.0	10 -145	
13C-PCB-28	98.3	5 -145		13C-PCB-206	144	10 -145	
13C-PCB-32	106	5 -145		13C-PCB-208	116	10 -145	
13C-PCB-37	106	5 -145		13C-PCB-209	191	10 -145	H
13C-PCB-47	102	5 -145		CRS 13C-PCB-79	105	10 -145	
13C-PCB-52	98.4	5 -145		13C-PCB-178	85.9	10 -145	
13C-PCB-54	93.8	5 -145					
13C-PCB-70	79.9	5 -145					
13C-PCB-77	105	10 -145					
13C-PCB-80	103	10 -145					
13C-PCB-81	107	10 -145					
13C-PCB-95	104	10 -145					
13C-PCB-97	106	10 -145					
13C-PCB-101	103	10 -145					
13C-PCB-104	100	10 -145					
13C-PCB-105	101	10 -145					
13C-PCB-114	102	10 -145					
13C-PCB-118	107	10 -145					
13C-PCB-123	108	10 -145					
13C-PCB-126	96.5	10 -145					
13C-PCB-127	104	10 -145					
13C-PCB-138	102	10 -145					
13C-PCB-141	101	10 -145					
13C-PCB-153	100	10 -145					
13C-PCB-155	79.6	10 -145					
13C-PCB-156	103	10 -145					
13C-PCB-157	101	10 -145					
13C-PCB-159	101	10 -145					
13C-PCB-167	99.0	10 -145					
13C-PCB-169	104	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

## DATA QUALIFIERS & ABBREVIATIONS

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

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



### Vista Analytical Laboratory Certifications

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

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

## NELAP Accredited Test Methods

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

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

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

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

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

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

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

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

9.7°C  
2001154

**COC ID:** VISTA-20200521-162125  
**Sample Custodian:** CO  
**Lab:** VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	PDI-171SC-A-00-01-200521	N	SE	05/21/2020	15:15	1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
002	PDI-171SC-A-10-11-200521	N	SE	05/21/2020	15:15	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
003	PDI-171SC-A-11-12-200521	N	SE	05/21/2020	15:15	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
004	PDI-171SC-A-12-13-200521	N	SE	05/21/2020	15:15	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
005	PDI-171SC-A-13-13.5-200521	N	SE	05/21/2020	15:15	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
006	PDI-173SC-A-00-01-200521	N	SE	05/21/2020	11:45	1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
007	PDI-173SC-A-04-05-200521	N	SE	05/21/2020	11:45	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C

Comment: WO# 2001153

Relinquished By: Signature: <i>[Signature]</i>	Received By: Signature: <i>[Signature]</i>	Relinquished By: Signature: <i>[Signature]</i>	Received By: Signature: <i>[Signature]</i>	Relinquished By: Signature: <i>[Signature]</i>	Received By: Signature: <i>[Signature]</i>
Print Name: <i>Sigurd Norwood</i>	Print Name: <i>William R Wright</i>	Print Name: <i>[Signature]</i>	Print Name: <i>[Signature]</i>	Print Name: <i>[Signature]</i>	Print Name: <i>[Signature]</i>
Company: <i>Anchor OEA</i>	Company: <i>VAL</i>	Company: <i>[Signature]</i>	Company: <i>[Signature]</i>	Company: <i>[Signature]</i>	Company: <i>[Signature]</i>
Date/Time: <i>5/22/20 1045</i>	Date/Time: <i>5-27-20 10:27</i>	Date/Time: <i>[Signature]</i>	Date/Time: <i>[Signature]</i>	Date/Time: <i>[Signature]</i>	Date/Time: <i>[Signature]</i>

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

9.7°C

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

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

2001154

**COC ID:** VISTA-20200521-162125  
**Sample Custodian:** CO  
**Lab:** VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
008	PDI-173SC-A-05-06-200521	N	SE	05/21/2020	11:45	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
009	PDI-173SC-A-06-07-200521	N	SE	05/21/2020	11:45	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
010	PDI-173SC-A-07-08-200521	N	SE	05/21/2020	11:45	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
011	PDI-174SC-A-00-01-200521	N	SE	05/21/2020	12:10	1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
012	PDI-174SC-A-03-04-200521	N	SE	05/21/2020	12:10	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
013	PDI-174SC-A-04-05-200521	N	SE	05/21/2020	12:10	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
014	PDI-174SC-A-05-06-200521	N	SE	05/21/2020	12:10	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C

Comment: RW0#2001153

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 Norwood</i>	Print Name: <i>William R Wright</i>	Print Name:	Print Name:	Print Name:	Print Name:
Company: <i>Anchor OEA</i>	Company: <i>VAL</i>	Company:	Company:	Company:	Company:
Date/Time: <i>5/22/20 10:15</i>	Date/Time: <i>5-27-20 10:27</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 #: 2001154

TAT Std

<b>Samples Arrival:</b>	<b>Date/Time:</b> 5-27-20 10:27	<b>Initials:</b> WFW	<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
<b>Preservation:</b>	<input checked="" type="checkbox"/> Ice	<input checked="" type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
	<input type="checkbox"/> None		
<b>Temp °C:</b> 9.7 (uncorrected)	<b>Probe used:</b> <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		<b>Thermometer ID:</b> DT-3
<b>Temp °C:</b> 9.7 (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 4897 1961		
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 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> 05/28/20 06:20	<b>Initials:</b> KS	<b>Location:</b> WR-2
			<b>Shelf/Rack:</b> G-4
COC Anomaly/Sample Acceptance Form completed?			<input checked="" type="checkbox"/>

Comments:

# CoC/Label Reconciliation Report WO# 2001154

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2001154-01	A PDI-171SC-A-00-01-200521	<input checked="" type="checkbox"/>	21-May-20 15:15	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid DUP
2001154-02	A PDI-173SC-A-00-01-200521	<input checked="" type="checkbox"/>	21-May-20 11:45	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2001154-03	A PDI-174SC-A-00-01-200521	<input checked="" type="checkbox"/>	21-May-20 12:10	<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
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		
Preservation Documented: Na2S2O3 Trizma <u>None</u> Other		✓	✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

Comments:

Verified by/Date: KS 05/28/20



# ANOMALY FORM

Vista Work Order 2001154

Initial/Date The following checked issues were noted during sample receipt and login:

05/28/20

1. The samples were received out of temperature at (WI-PHT): 9.7°C

Was Ice present: Yes No **Melted** Blue Ice

2. The Chain-of-Custody (CoC) was not relinquished properly.

3. The CoC did not include collection time(s). 00:00 will be used unless notified otherwise.

4. The sample(s) did not include a sample collection time. All or Sample Name: \_\_\_\_\_

5. A sample ID discrepancy was found. See the Reconciliation report.  
The CoC Sample ID will be used unless notified otherwise.

6. A sample date and/or time discrepancy was found. See the Reconciliation report.  
The CoC Sample date/time will be used unless notified otherwise.

7. The CoC did not include a sample matrix. The following sample matrix will be used: \_\_\_\_\_

8. Insufficient volume received for analysis. All or Sample Name: \_\_\_\_\_

9. The backup bottle was received broken. Sample Name: \_\_\_\_\_

10. CoC not received, illegible or destroyed.

11. The sample(s) were received out of holding time. All or Sample Name: \_\_\_\_\_

12. The CoC did not include an analysis. All or Sample Name: \_\_\_\_\_

13. Sample(s) received without collection date. All or Sample Name: \_\_\_\_\_

14. Sample(s) not received. All or Sample Name: \_\_\_\_\_

15. Sample(s) received broken. All or Sample Name: \_\_\_\_\_

16. An incorrect container-type was used. All or Sample Name: \_\_\_\_\_

17. Other:

Bolded items require sign-off

Client Contacted: Delaney Peterson

Date of Contact: 05/28/20

Vista Client Manager: Jade White

Resolution: Per Delaney Peterson via email on 05/28/20, okay to proceed



## **EXTRACTION INFORMATION**

Process Sheet

Workorder: **2001154**

Prep Expiration: 2021-05-21  
Client: Anchor QEA, LLC

Workorder Due: **24-Jun-20 00:00**

TAT: 28

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
2001154-01	<input checked="" type="checkbox"/>	PDI-171SC-A-00-01-200521	27-May-20 10:27	WR-2 G-4	DUP
2001154-02	<input checked="" type="checkbox"/>	PDI-173SC-A-00-01-200521	27-May-20 10:27	WR-2 G-4	
2001154-03	<input checked="" type="checkbox"/>	PDI-174SC-A-00-01-200521	27-May-20 10:27	WR-2 G-4	

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

Pre-Prep Check Out: CHT 05/29/20  
Pre-Prep Check In: CHT 05/29/20

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

Prep Reconciled Initials/Date: CHT 05/29/20  
Spike Reconciled Initials/Date: AO 06/02/20  
VialBoxID: SNA

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)	00 06/02/20	AZ 8/11 06/17/20	NA	AZ 06/17/20	NA	NA	RR ONE 06/17/20
<input type="checkbox"/>	B0F0004-BS1	J	(5.00)			T	T	T	T	
<input type="checkbox"/>	B0F0004-DUP1 2001133-01	5.63	5.64			T	T	T	T	
<input type="checkbox"/>	B0F0004-DUP2 2001154-01	9.21	9.69				(D)			
<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				(D)			
<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				(D)			
<input type="checkbox"/>	2001156-01	5.41	5.75				↓			

(A) Crystallized on rotovap AZ 06/17/20

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

(B) orange concentrate before cleanup AZ 06/17/20

(C) yellow concentrate before cleanup 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: <u>AO 06/02/20</u>
PCDD/F	PCDD/F	PCDD/F	PCDD/F	Start Date/Time <u>06/02/20</u> <u>1509</u>	SOLV: <u>Toluene</u>	Check In: <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</u> <u>1725</u>	Other <u>NA</u>	Balance ID: <u>HRMS-9</u>
PAH	PAH	PAH	PAH	Final Volume(s) <u>Cg</u> <u>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
<b>B0F0004-BLK1</b>	<b>5</b>			<b>100</b>	<b>02-Jun-20 08:44</b>	<b>ACO</b>				QC
<b>B0F0004-BS1</b>	<b>5</b>			<b>100</b>	<b>02-Jun-20 08:44</b>	<b>ACO</b>	<b>19B2602 ✓</b>	<b>10 ✓</b>		QC
<b>B0F0004-DUP1</b>	<b>5.64</b>			<b>100</b>	<b>02-Jun-20 08:44</b>	<b>ACO</b>				QC
<b>B0F0004-DUP2</b>	<b>9.69 ✓</b>			<b>100 ✓</b>	<b>02-Jun-20 08:44 ✓</b>	<b>ACO ✓</b>				QC

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

D2216-90

BATCH ID B0E0248

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

Inst HRMS-9

Date/Time IN: 5/29/2020 0942 Date/Time OUT: 06/01/20 0928

Particle Size	SampID	SampType	Initial and Date:		Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	CHT 05/29/20				Sample Homogenized*	
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)				Visual Inspection	Cl-	pH Before	pH After		Acid Added
	2001154-01	Sample	1.3000	5.9600	3.8300	2.5300	54.29	MUD	NA	NA	NA	NA	X
	2001154-02	Sample	1.3000	7.5500	5.8000	4.5000	72.00	MUD	NA	NA	NA	NA	X
	2001154-03	Sample	1.3000	7.5300	5.9200	4.6200	74.16	SOIL	NA	NA	NA	NA	X
	2001156-01	Sample	1.2900	5.7600	5.4200	4.1300	92.39	SOIL	NA	NA	NA	NA	X

\*Sample homogenized in sample container unless otherwise noted.

D2216-90

BATCH ID B0E0248

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

Inst **HRMS-9**

Date/Time IN: **05/29/20 09:47**      Date/Time OUT: **06/01/20 09:28**

Particle Size	Sample ID	Samp Type	Initial and Date:		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*
			Pan Tare Wt (gms)	CHT 05/29/20										
	2001154-01	A Sample	1.30	CHT 05/29/20	5.96	3.83		Mud		CHT				✓
	2001154-02	↓ Sample	1.30	CHT 05/29/20	7.55	5.80		↓		CHT				✓
	2001154-03	↓ Sample	1.30	CHT 05/29/20	7.53	5.92		Soil		CHT				✓
	2001156-01	↓ Sample	1.29	CHT 05/29/20	5.76	5.42		↓		CHT				✓

\*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

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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

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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

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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

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

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

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												

Vista Analytical Laboratory

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

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

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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

Vista Analytical Laboratory

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

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

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

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

Vista Analytical Laboratory

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

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

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

## 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

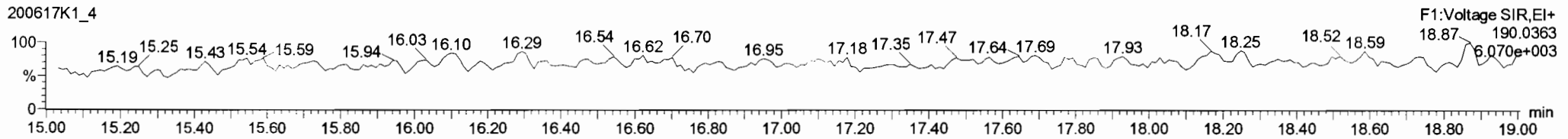
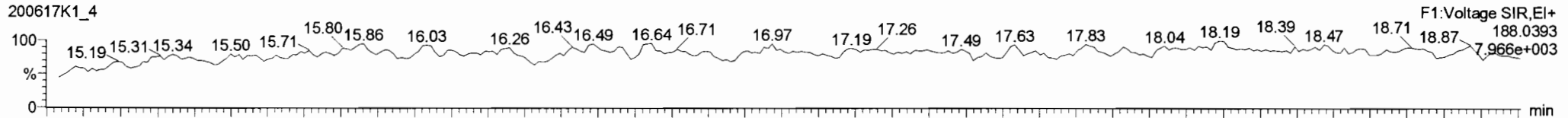
	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.71	54.69	3.875e6	4.296e6	2.142e5	2.393e5	0.90	NO	4.535e5	1992.0		2.36
2	13C-PCB-205	54.97	54.97	4.999e6	5.444e6	2.828e5	3.101e5	0.91	NO	5.929e5	2000.0		1.81

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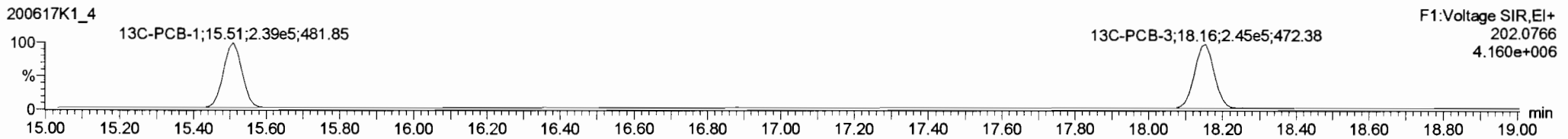
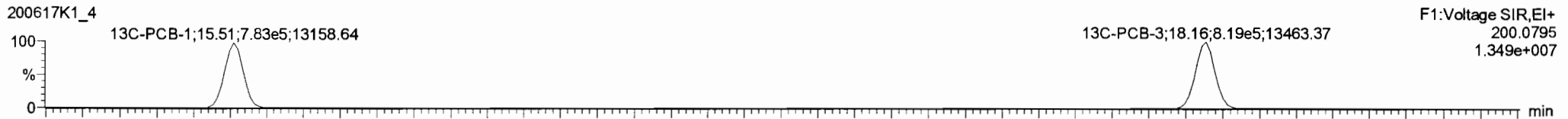
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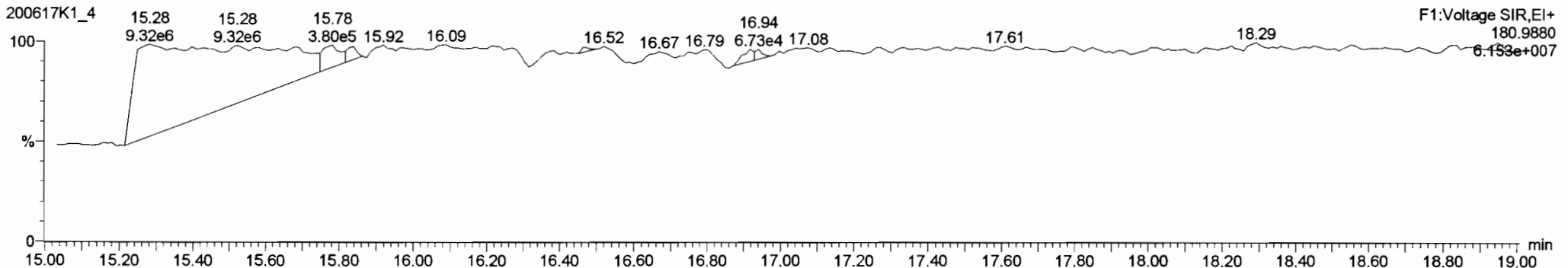
**PCB-1**



**13C-PCB-1**



**PFK1**

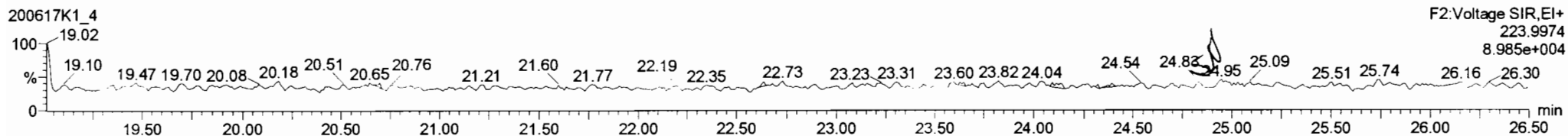
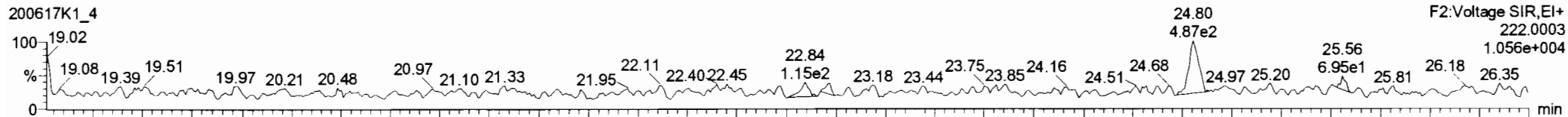


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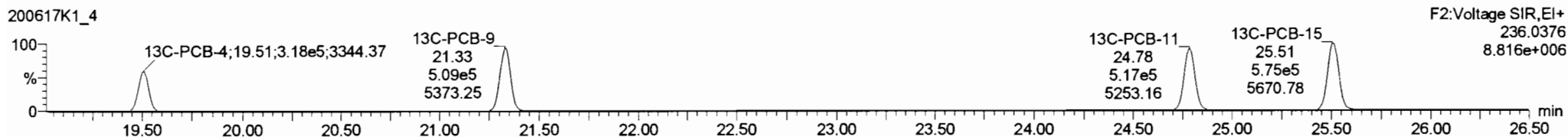
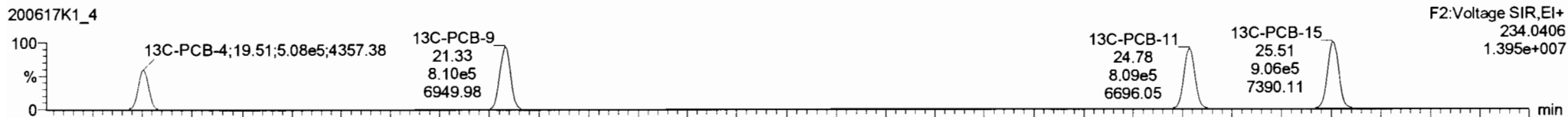
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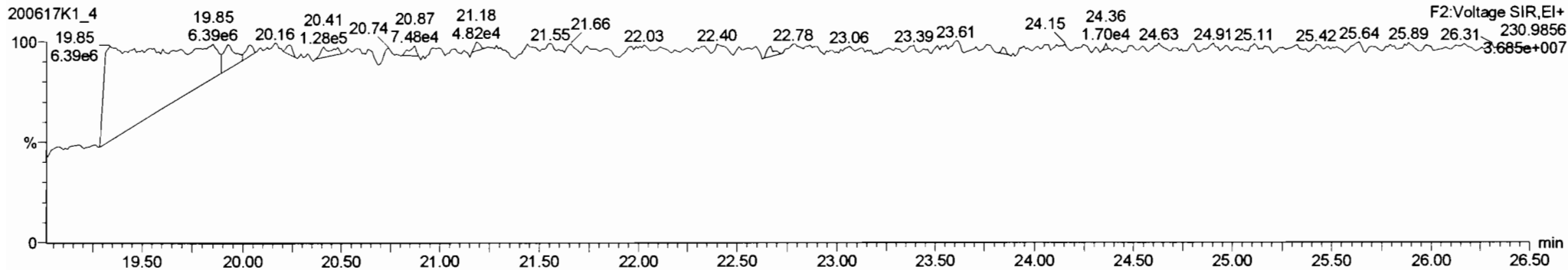
**PCB-4/10**



**13C-PCB-4**



**PFK2a**

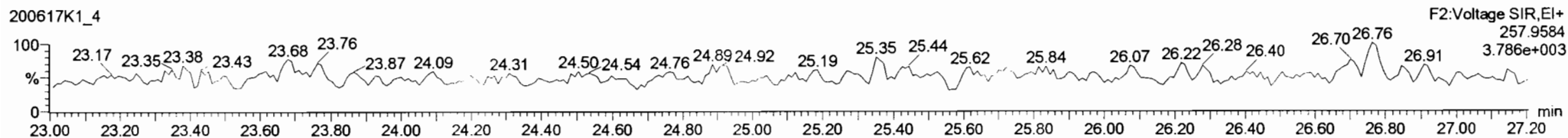
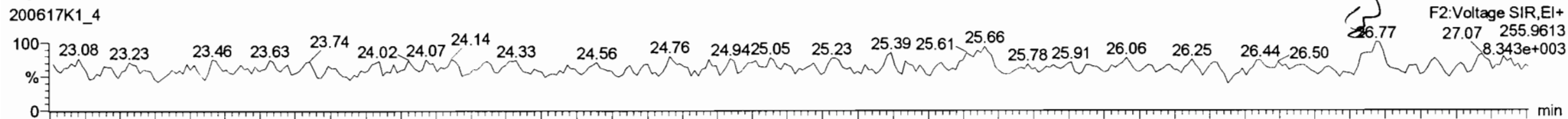


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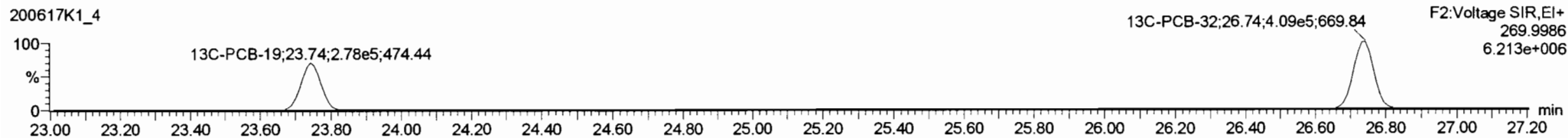
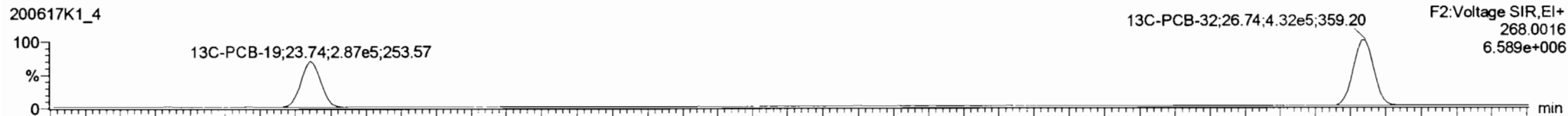
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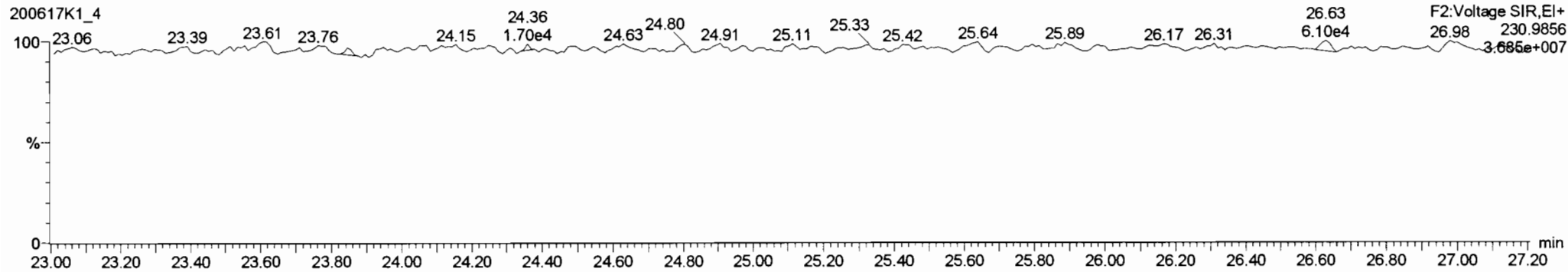
**PCB-19**



**13C-PCB-19**

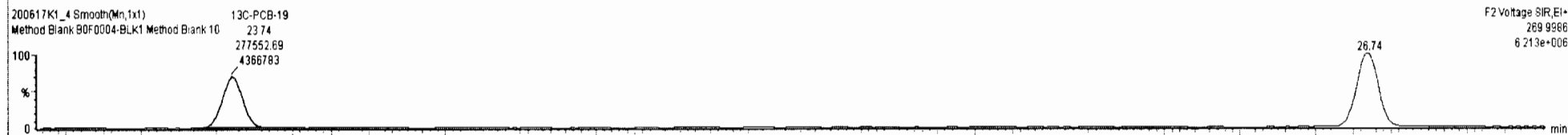
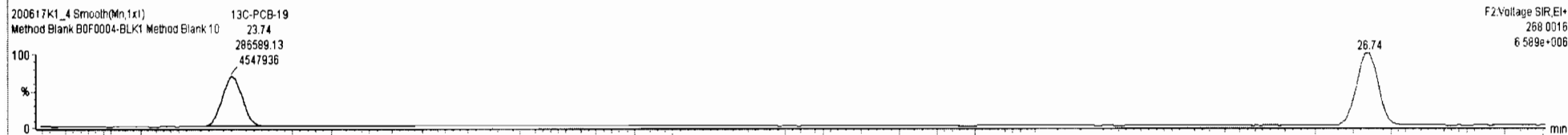
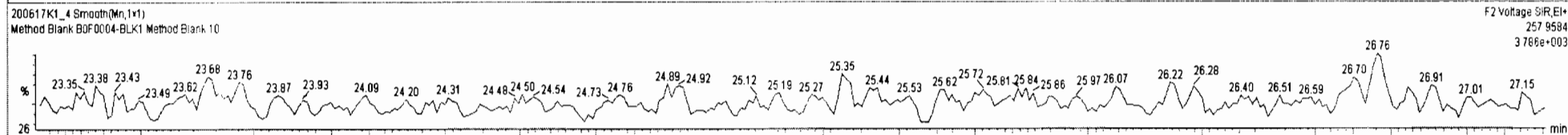
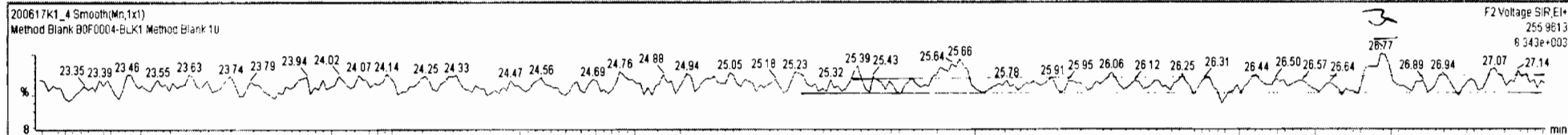


**PFK2b**



#	Name	Resp	RA	n/y	RRF	wtAvail	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
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										



Dataset: Untitled

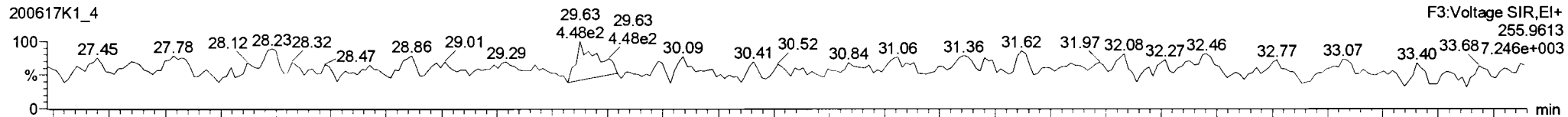
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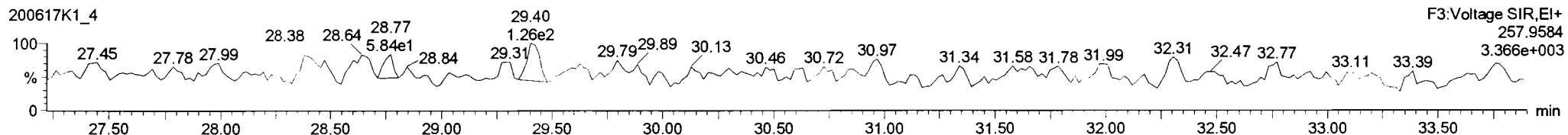
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**PCB-34**

200617K1\_4

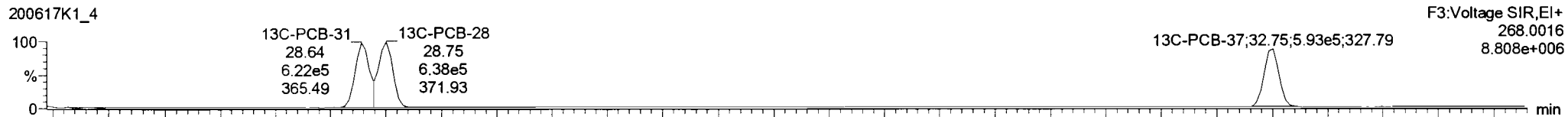


200617K1\_4

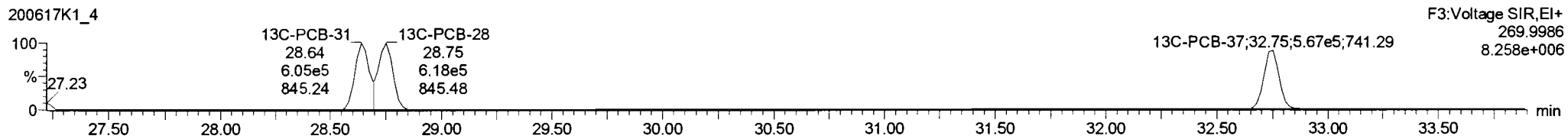


**13C-PCB-28**

200617K1\_4

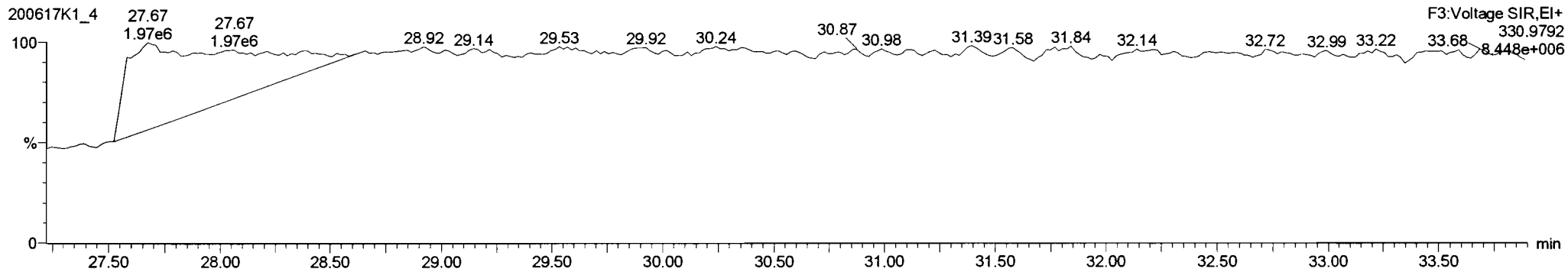


200617K1\_4



**PFK3d**

200617K1\_4



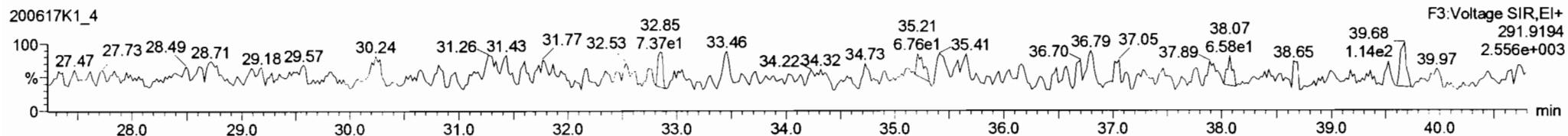
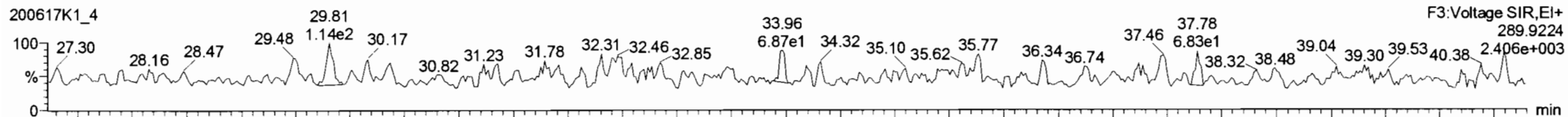


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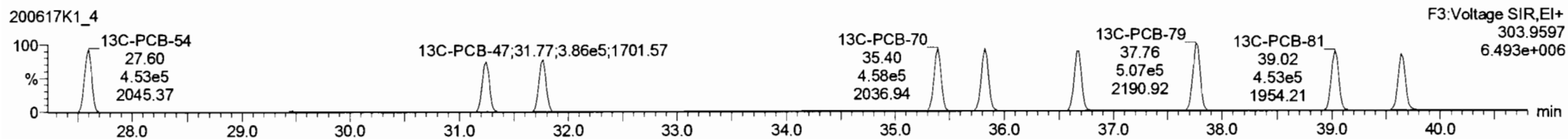
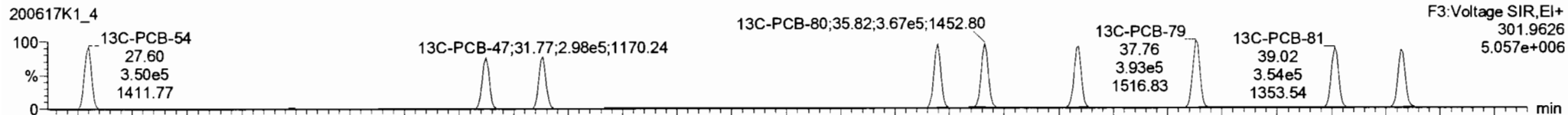
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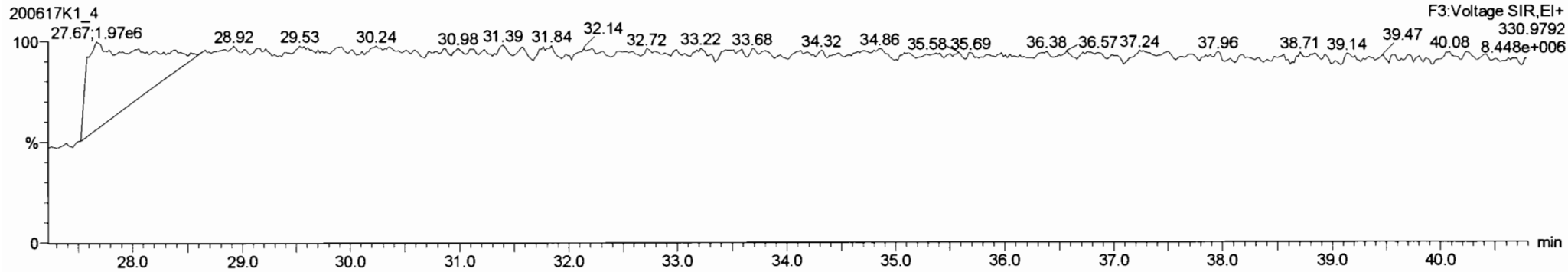
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**13C-PCB-54**



**PFK3a**



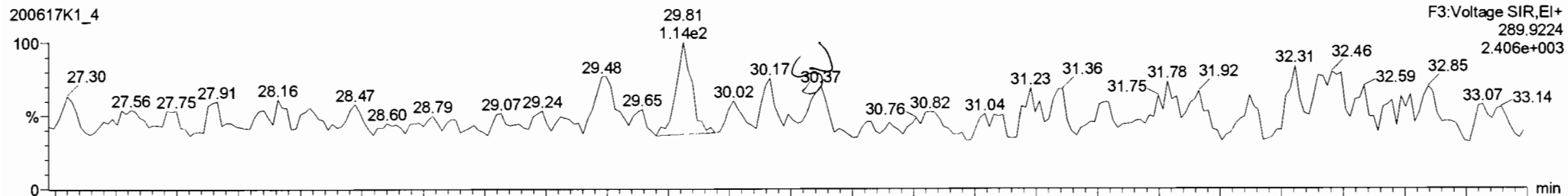
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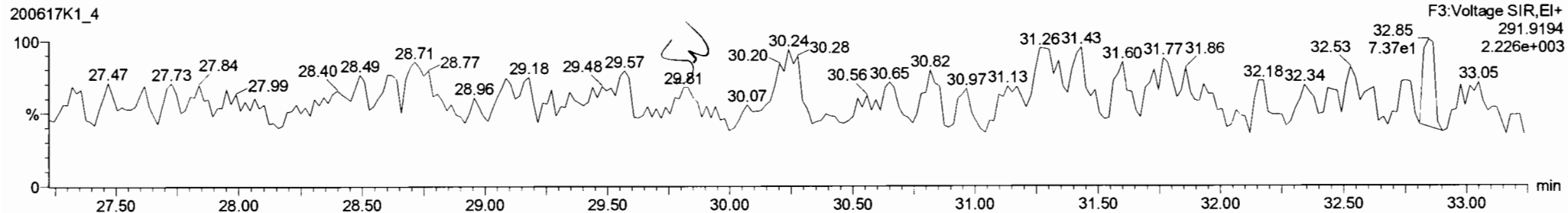
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PCB-50

200617K1\_4

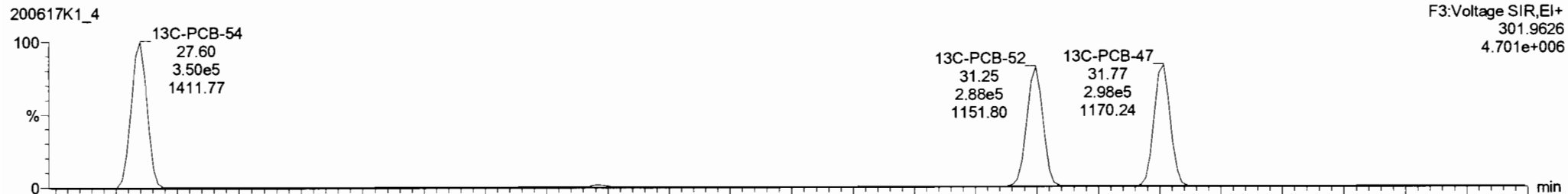


200617K1\_4

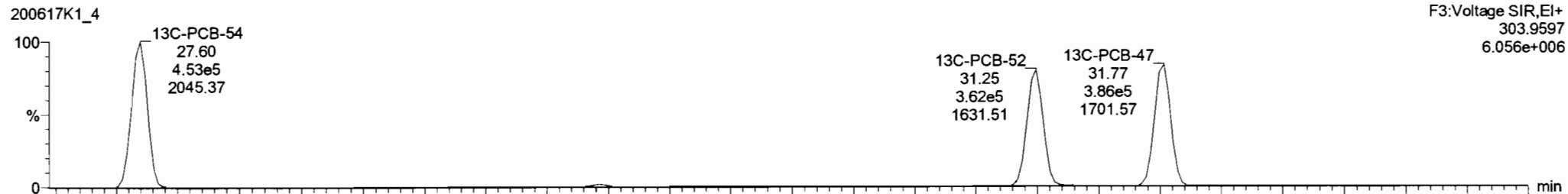


13C-PCB-52

200617K1\_4



200617K1\_4

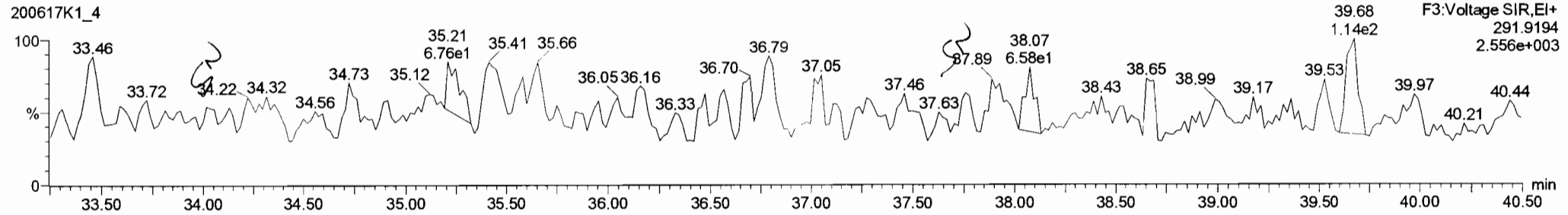
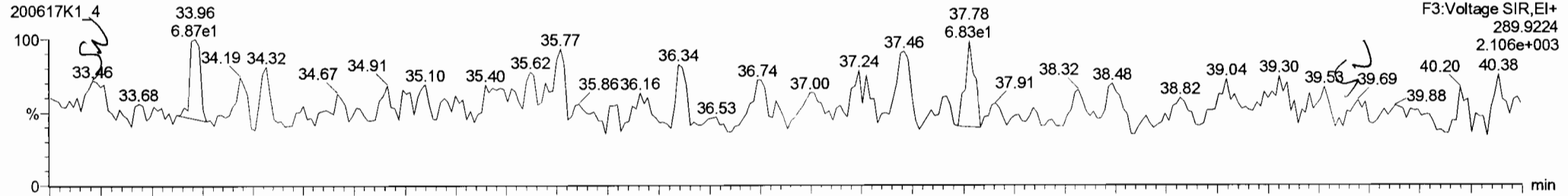


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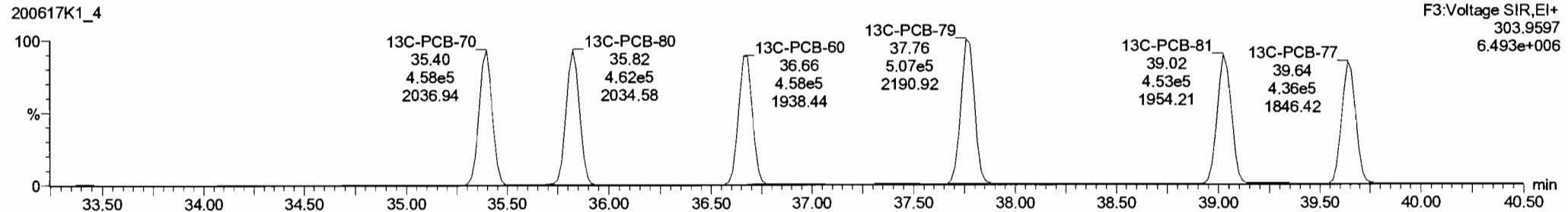
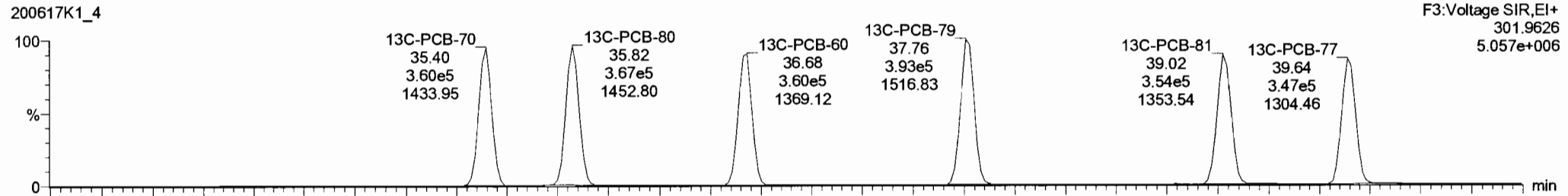
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PCB-68



13C-PCB-60



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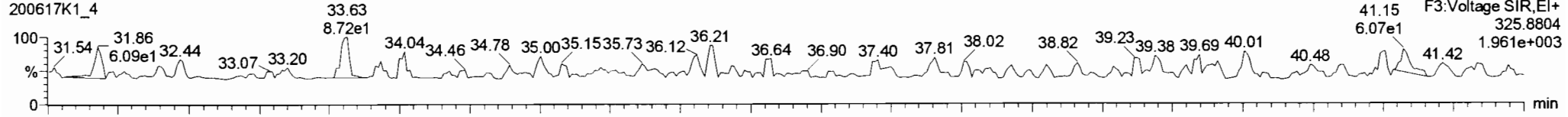
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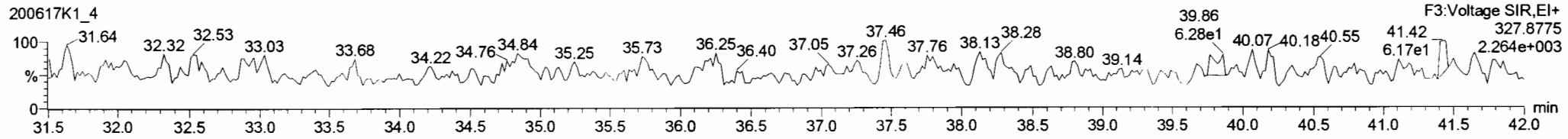
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**PCB-104**

200617K1\_4

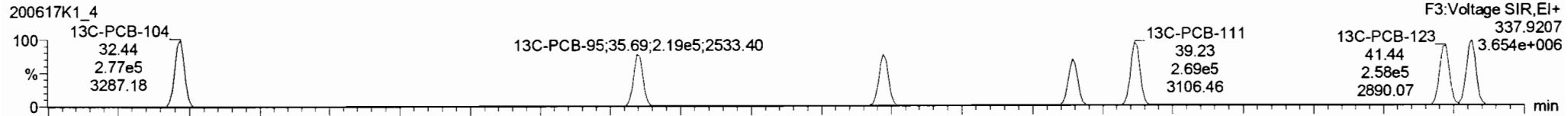


200617K1\_4

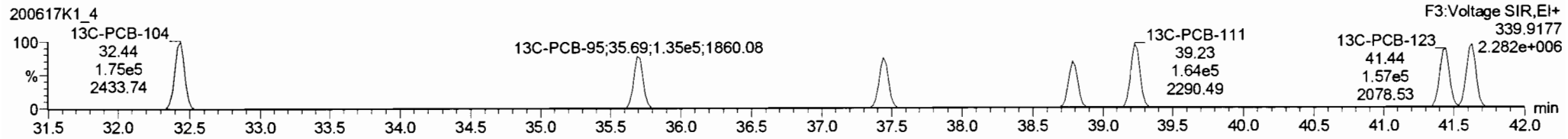


**13C-PCB-104**

200617K1\_4

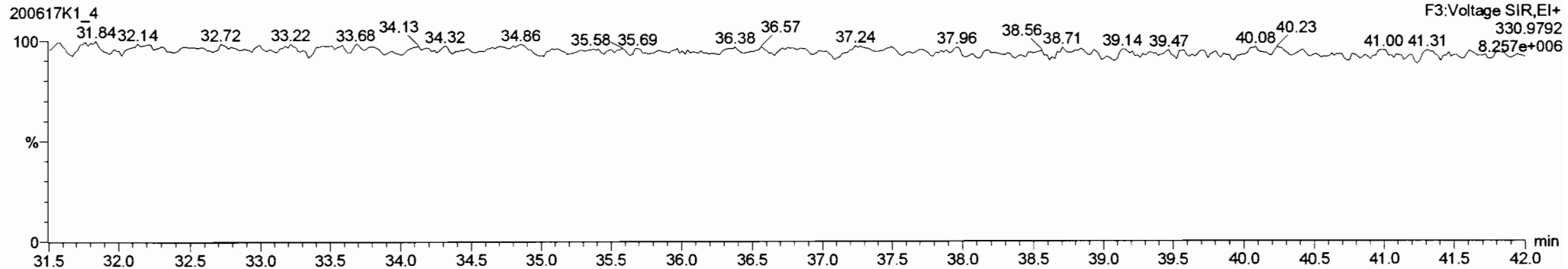


200617K1\_4



**PFK3b**

200617K1\_4



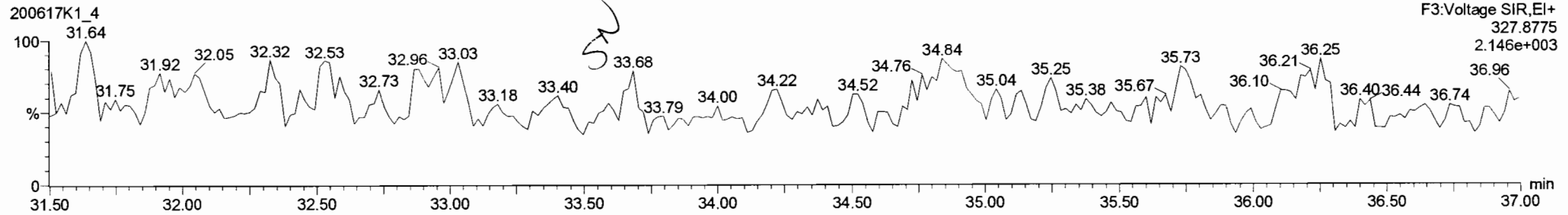
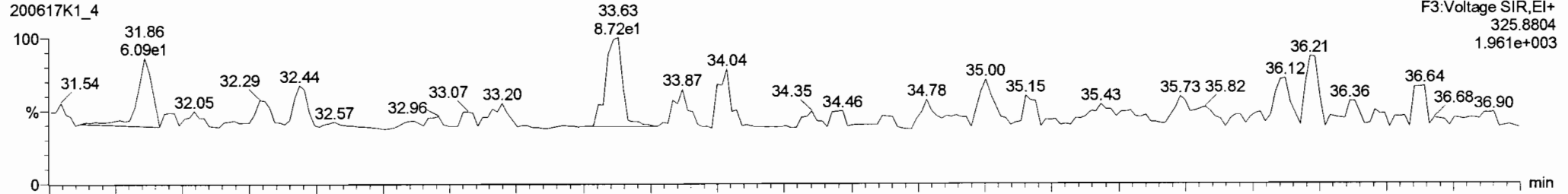
Dataset: Untitled

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

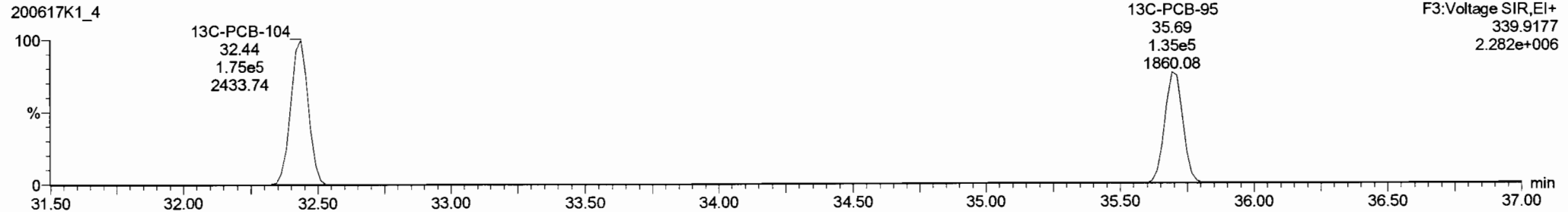
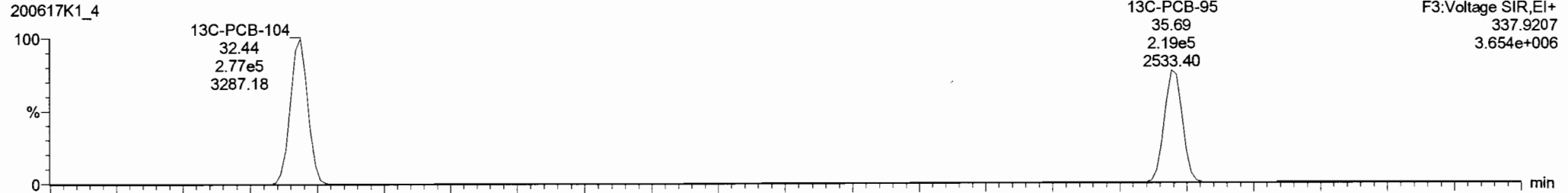
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

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**



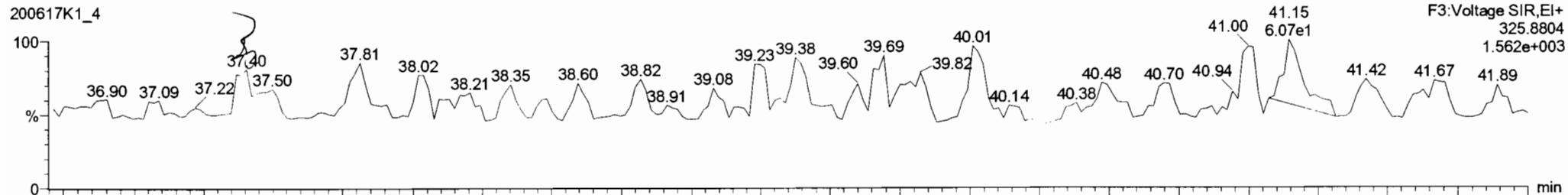
Dataset: Untitled

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

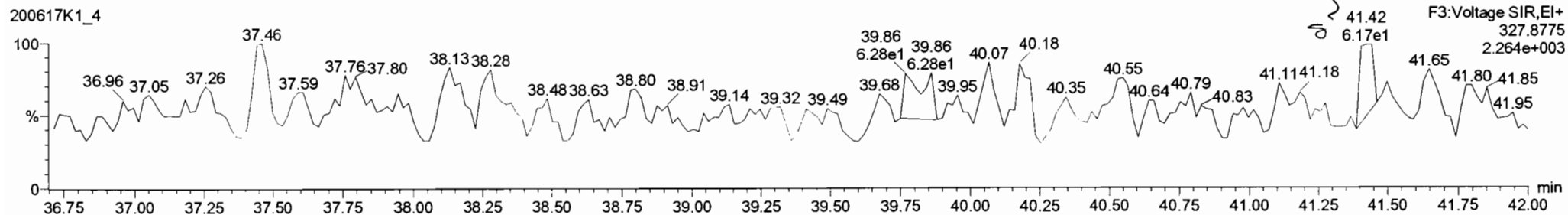
Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

**PCB-119**

200617K1\_4

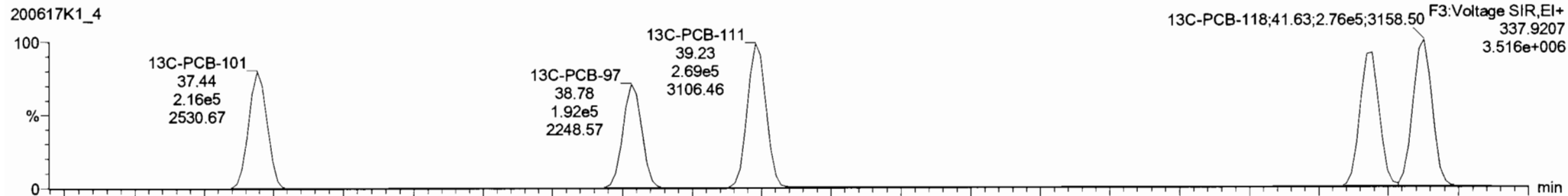


200617K1\_4

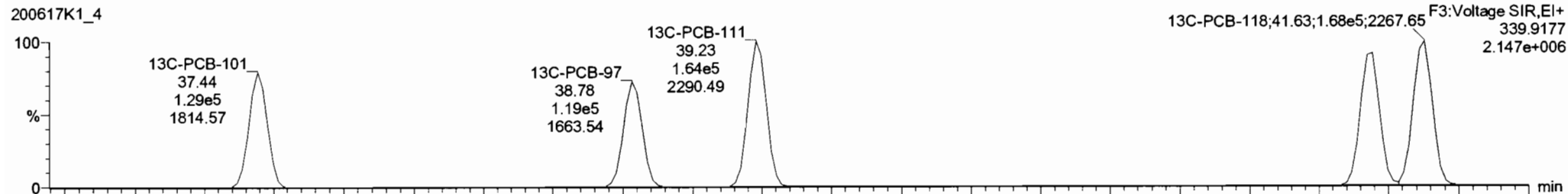


**13C-PCB-111**

200617K1\_4



200617K1\_4

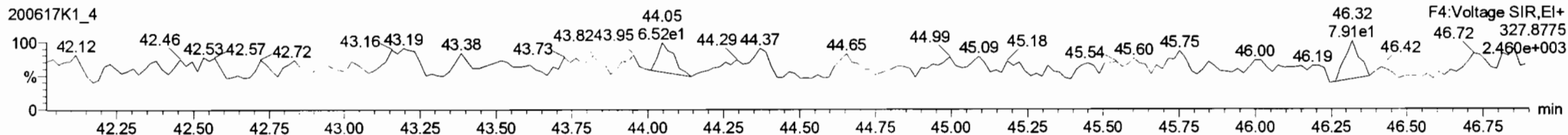
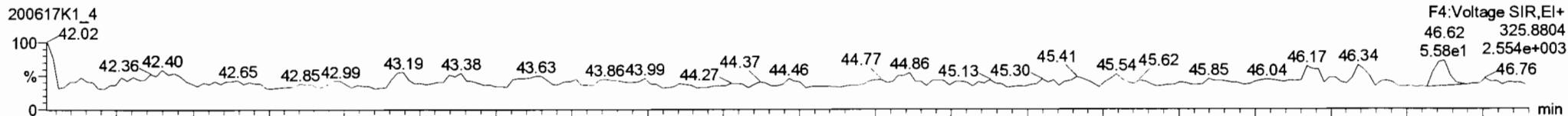


Dataset: Untitled

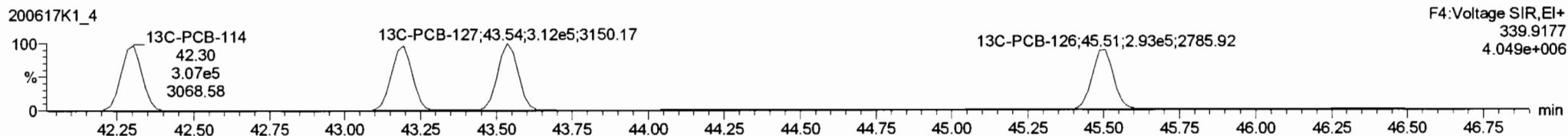
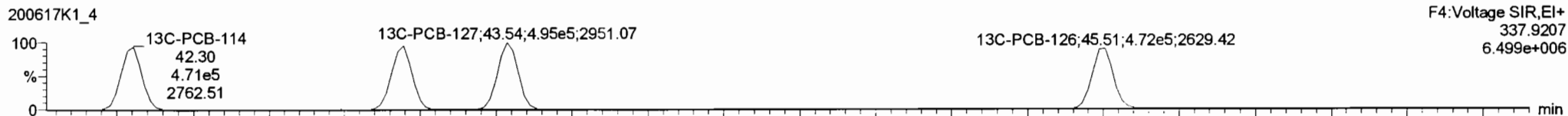
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

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

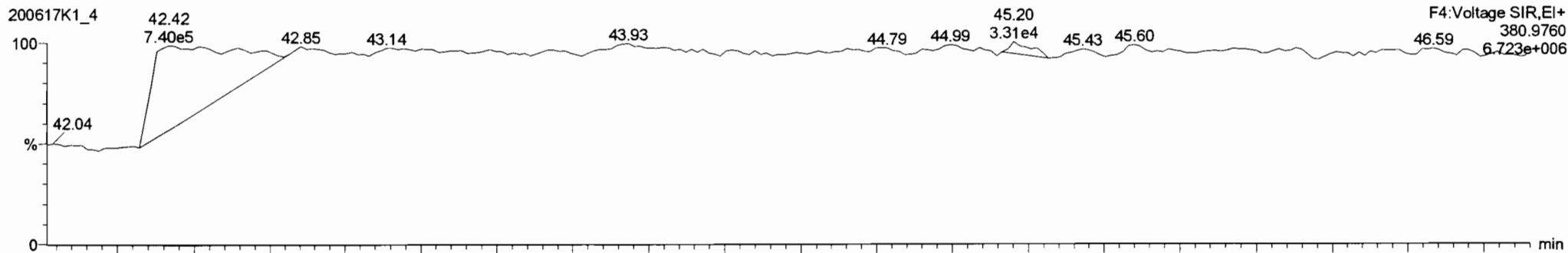
**PCB-114**



**13C-PCB-114**



**PFK4a**



Dataset: Untitled

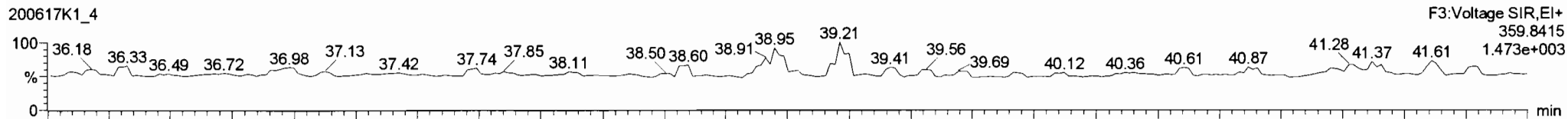
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

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

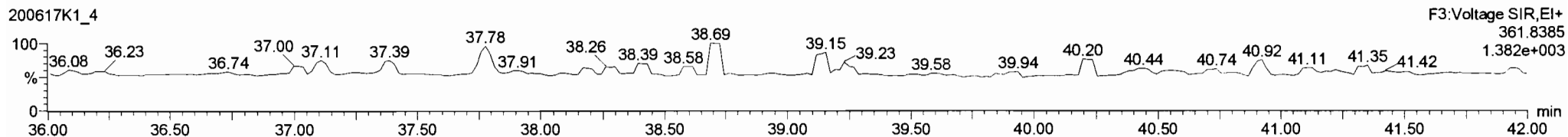
Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

**PCB-155**

200617K1\_4

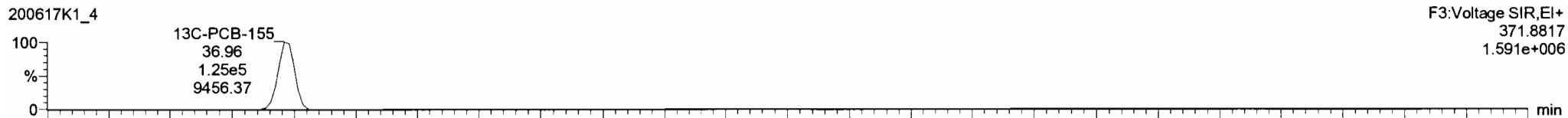


200617K1\_4

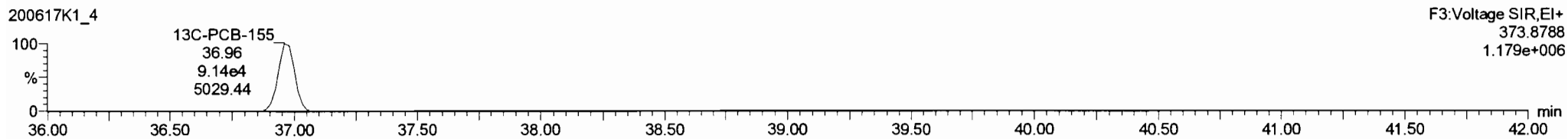


**13C-PCB-155**

200617K1\_4

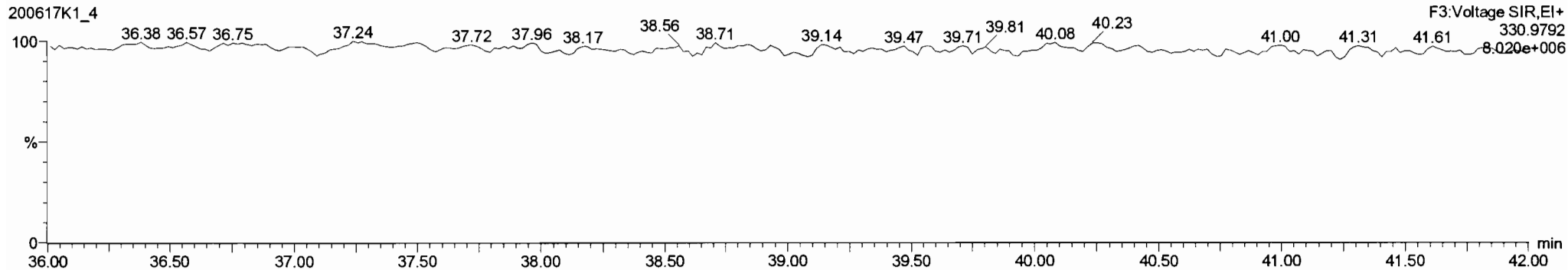


200617K1\_4



**PFK3c**

200617K1\_4

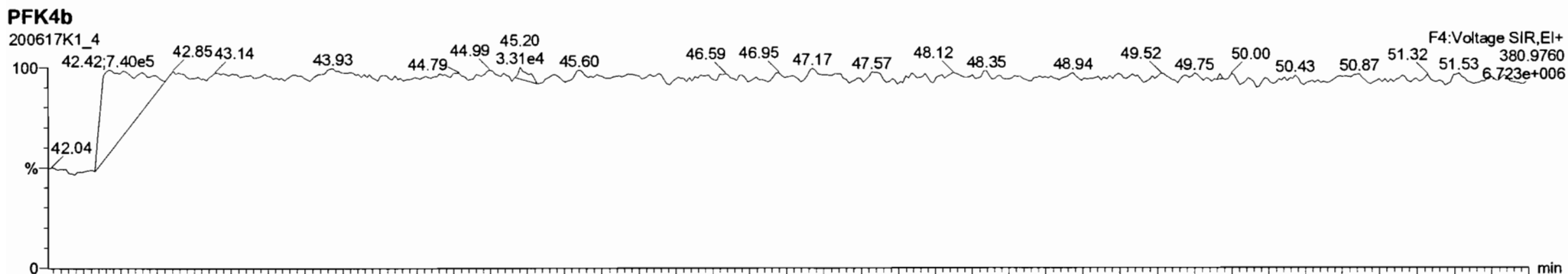
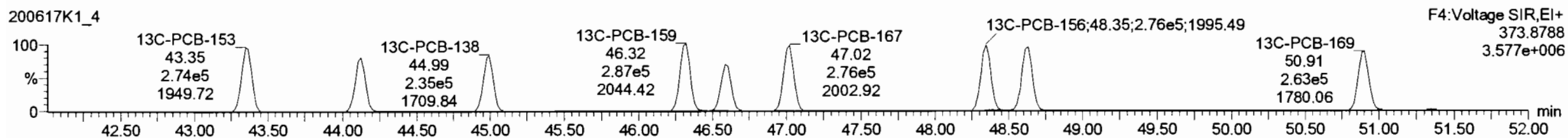
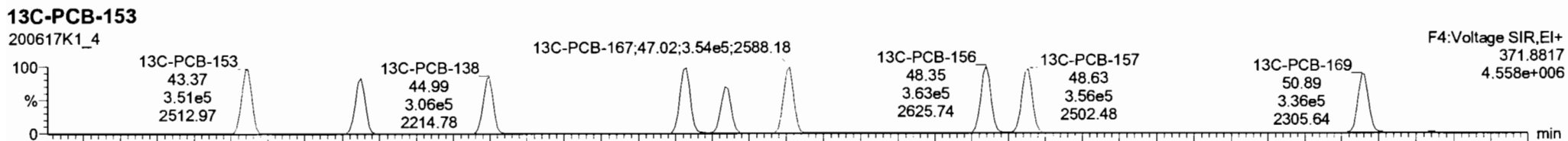
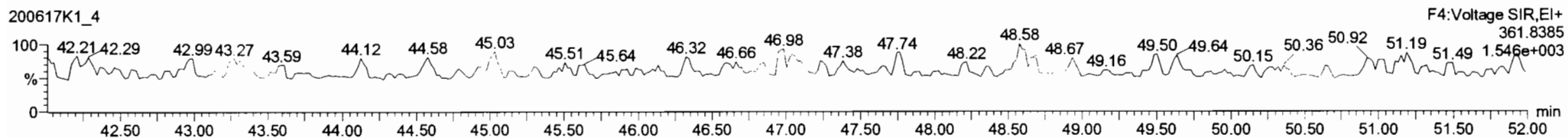
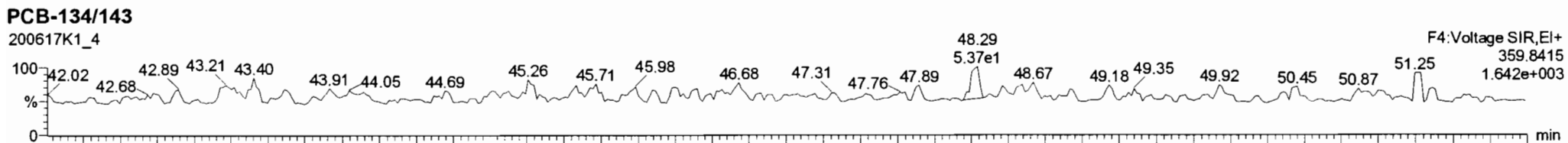




Dataset: Untitled

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

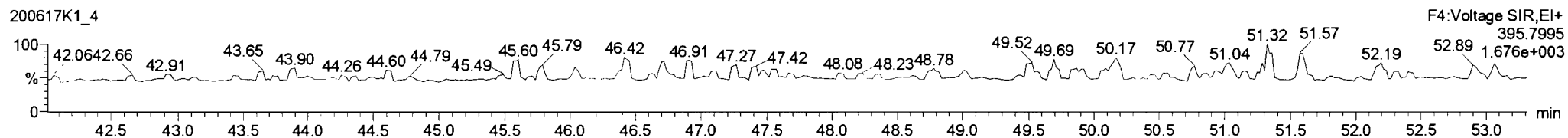
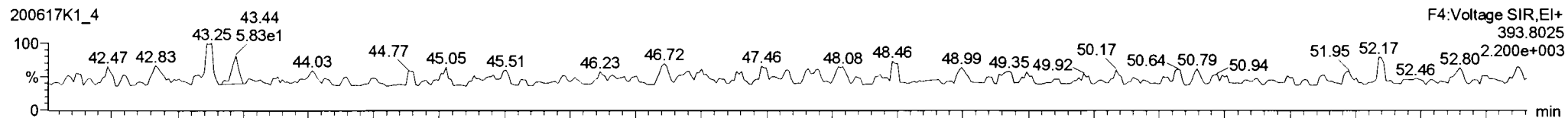


Dataset: Untitled

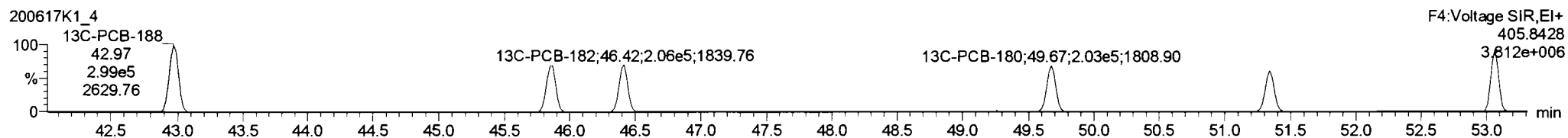
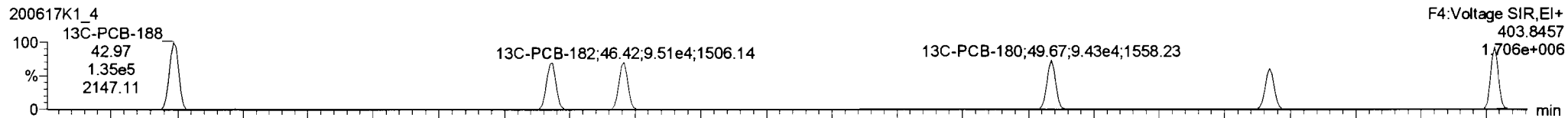
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

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

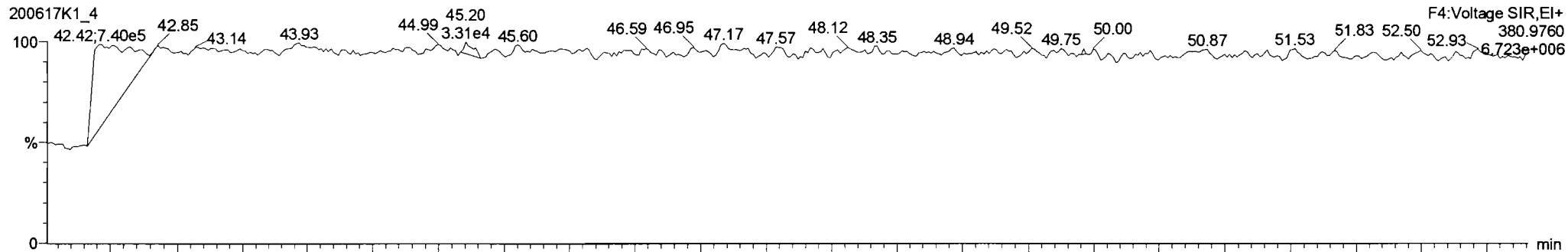
**PCB-188**



**13C-PCB-188**



**PFK4c**



Dataset: Untitled

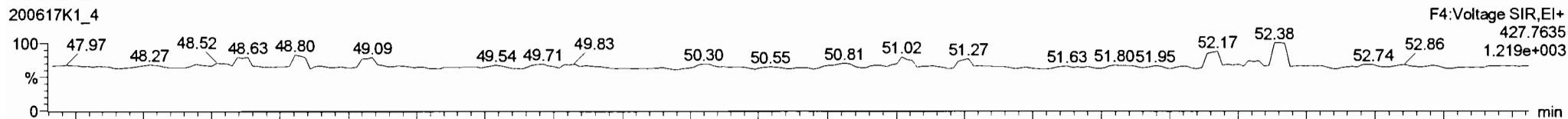
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

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

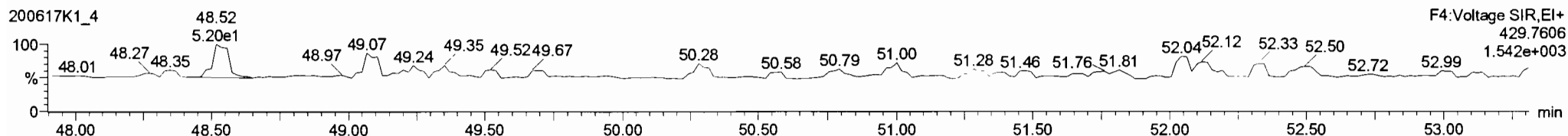
Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

**PCB-202**

200617K1\_4

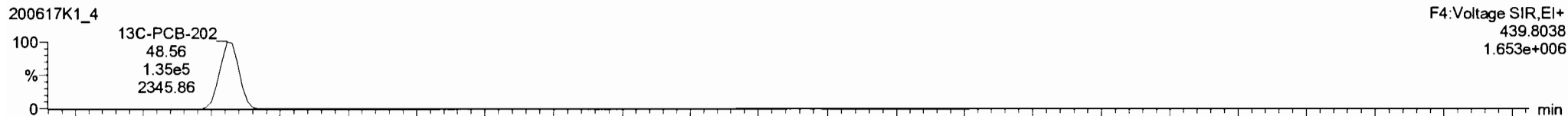


200617K1\_4

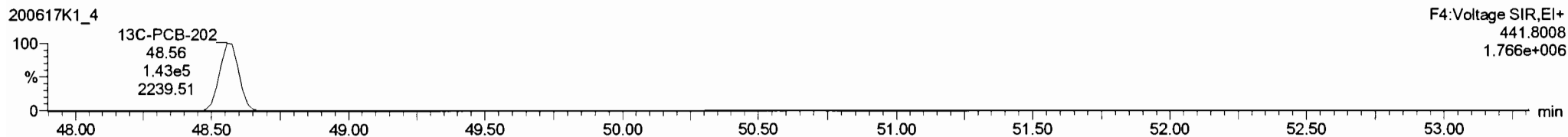


**13C-PCB-202**

200617K1\_4

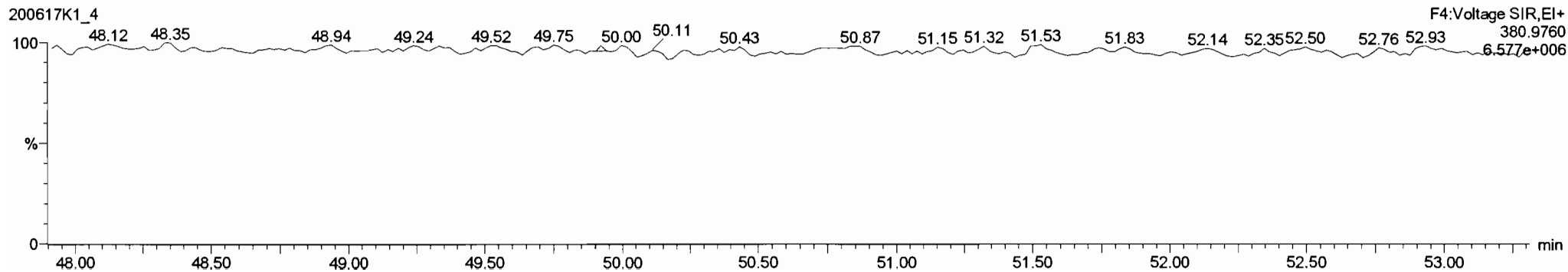


200617K1\_4



**PFK4d**

200617K1\_4

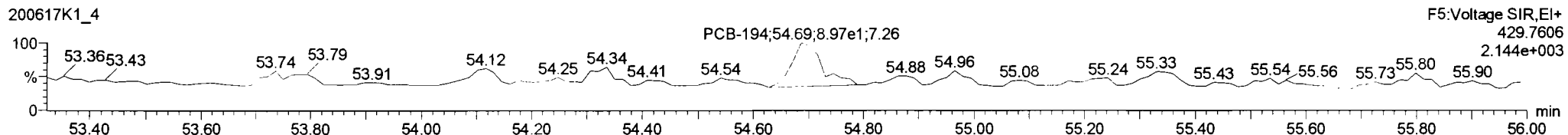
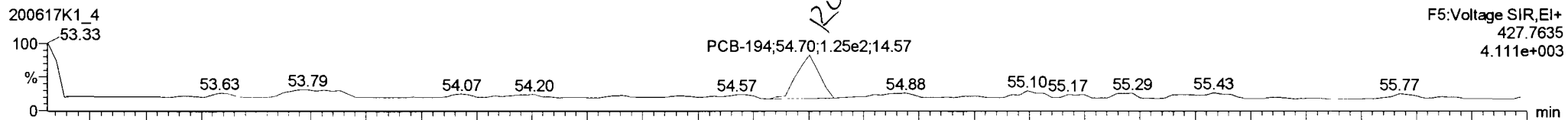


Dataset: Untitled

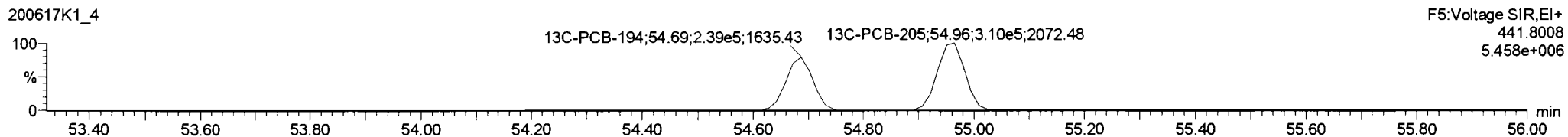
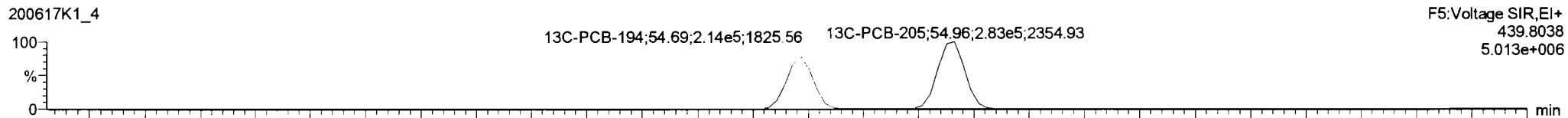
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

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

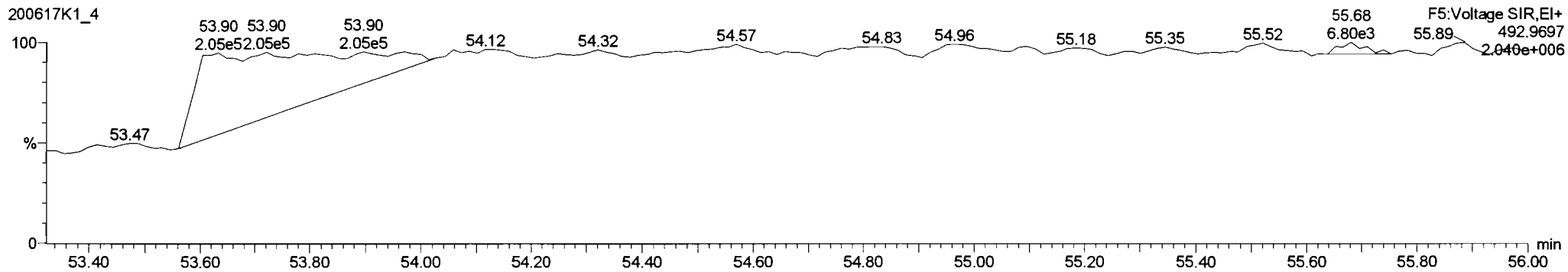
**PCB-195**



**13C-PCB-194**

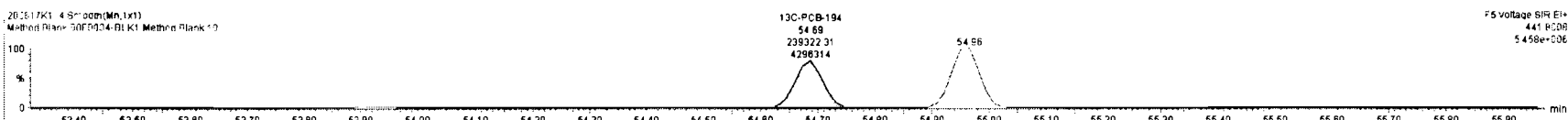
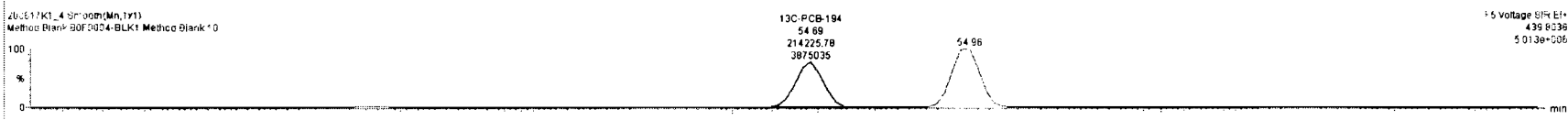
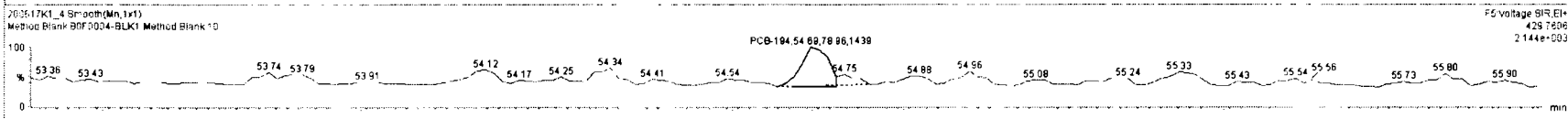
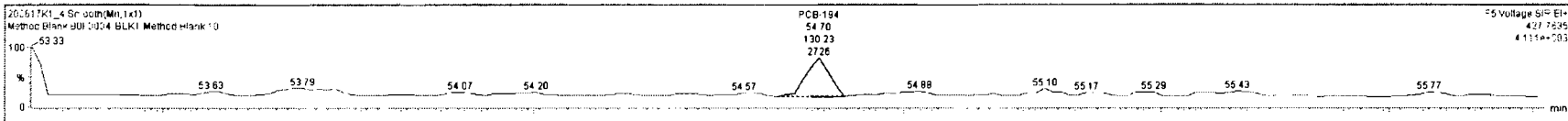


**PFK5a**



#	Name	Resp	RA	rvy	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			7.64	
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	0.5897
236	236 Total Nona-PCBs				0.9523	5.000	0.00		0.000		NO			0.544	
237	237 Deca-CB				0.9964	5.000	0.00		0.000		NO			0.456	
238	238 Total PCBs														
239	239 Total Mono-Orthoxes														

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



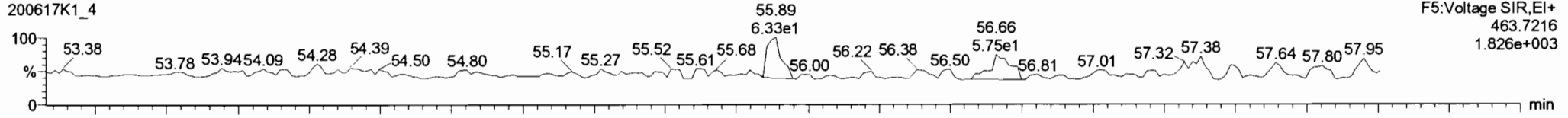
Dataset: Untitled

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

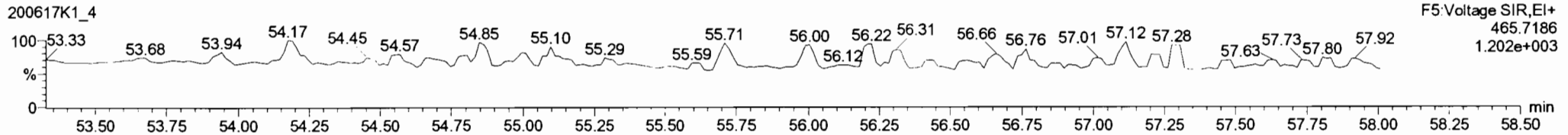
Name: 200617K1\_4, Date: 17-Jun-2020, Time: 16:18:31, ID: B0F0004-BLK1 Method Blank 10, Description: Method Blank

**PCB-208**

200617K1\_4

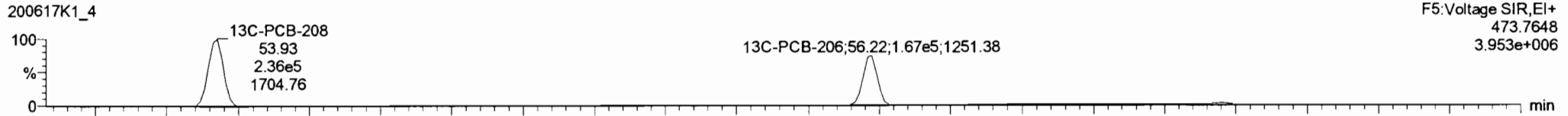


200617K1\_4

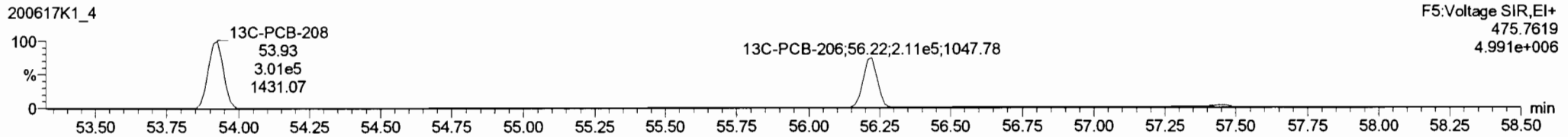


**13C-PCB-208**

200617K1\_4

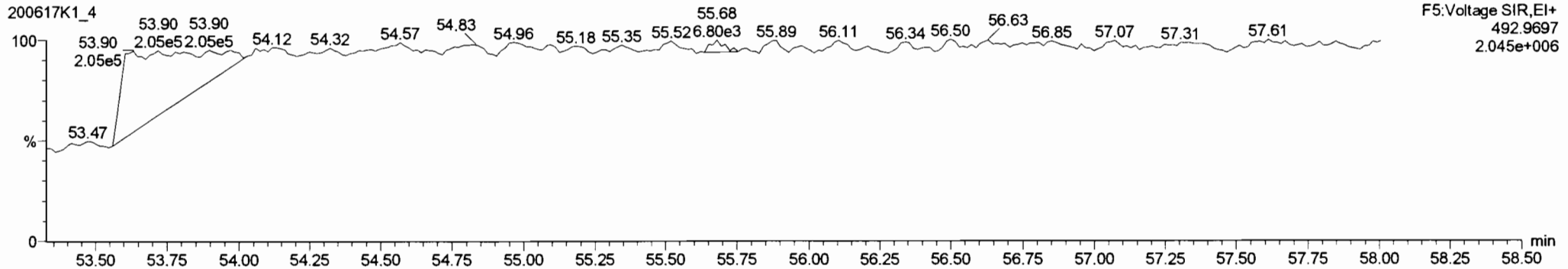


200617K1\_4



**PFK5**

200617K1\_4



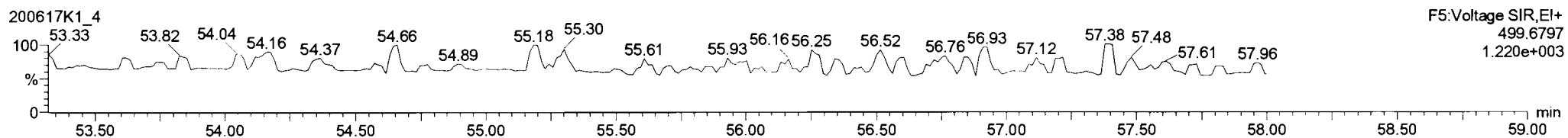
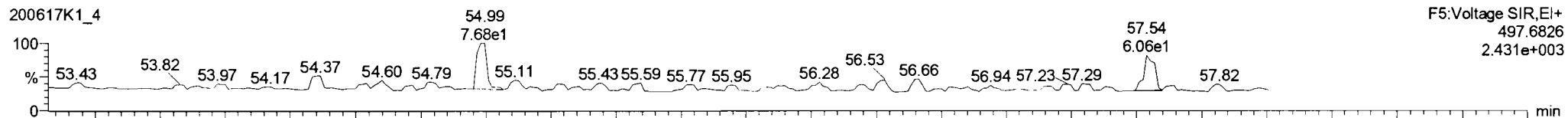
Dataset: Untitled

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

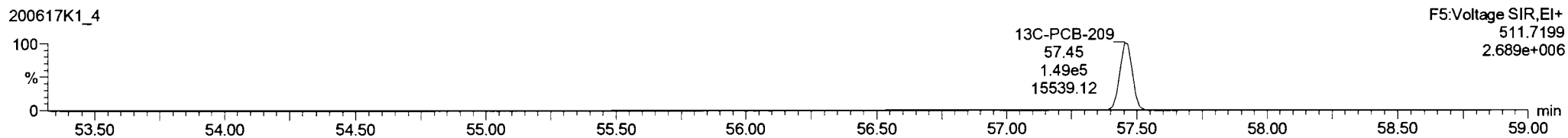
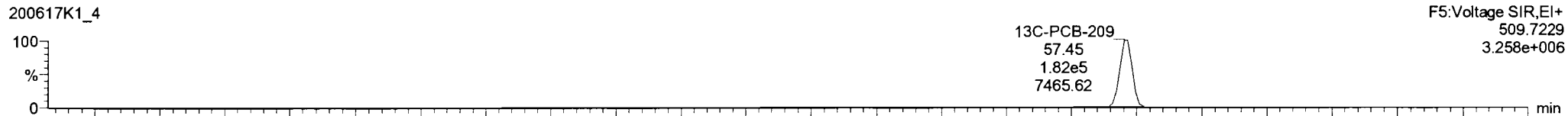
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

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

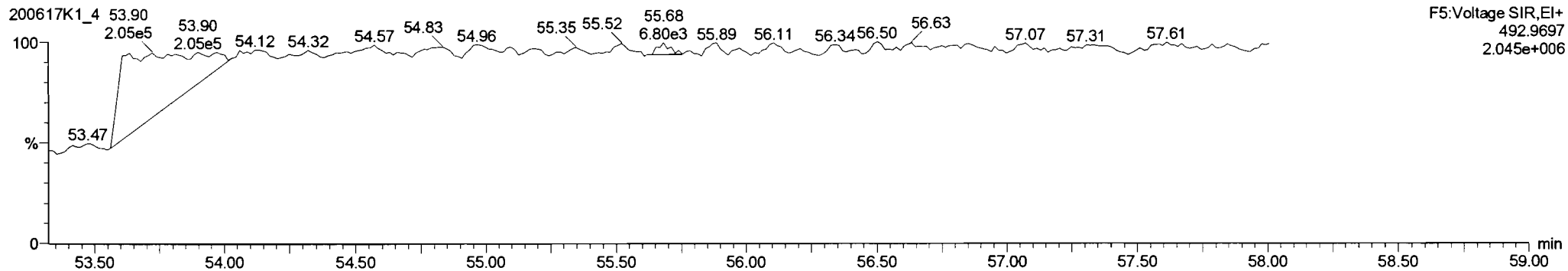
**PCB-209**



**13C-PCB-209**



**PFK5b**



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 6/19/20*

*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



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#	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

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#	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	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

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	2.28e5	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

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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
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	

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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	

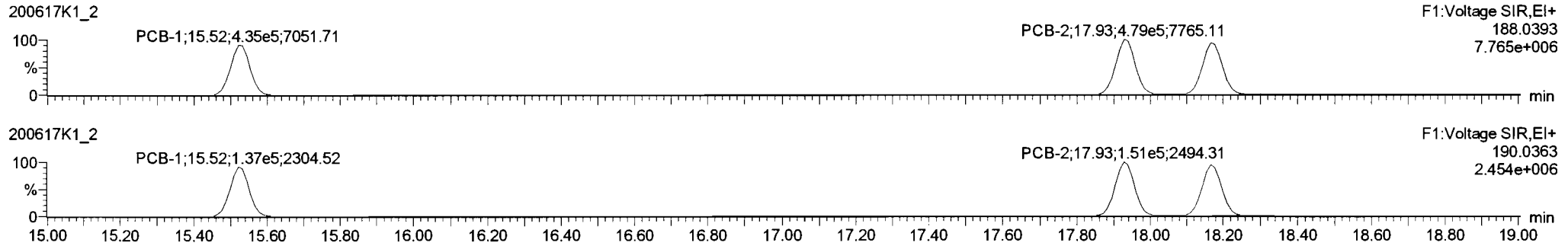
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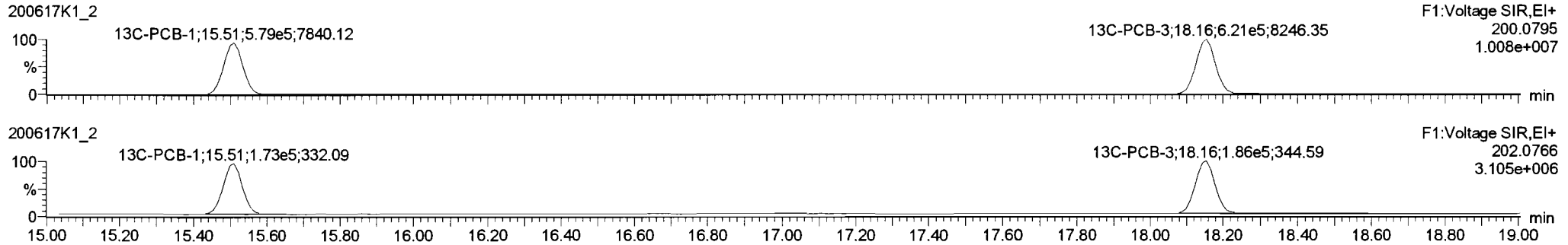
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Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

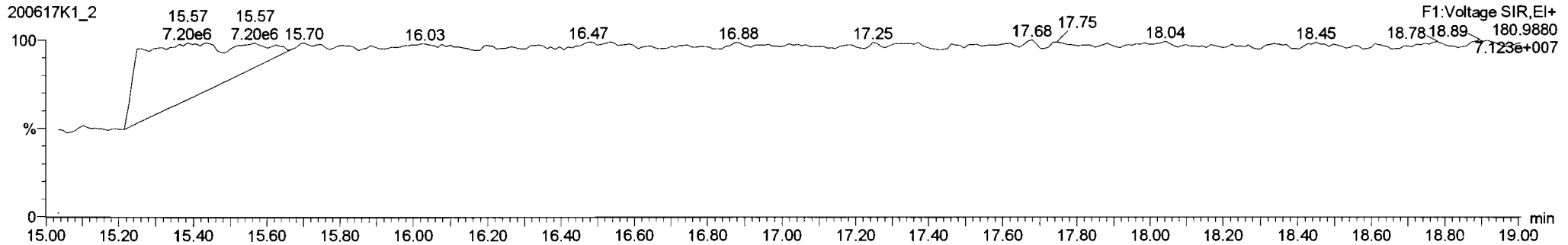
**PCB-1**



**13C-PCB-1**



**PFK1**

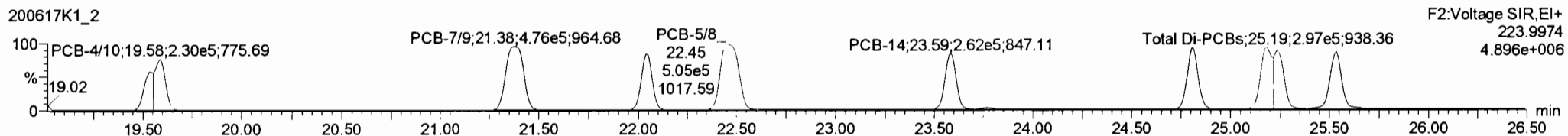
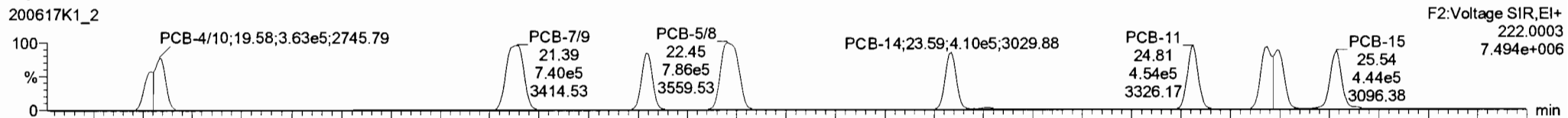


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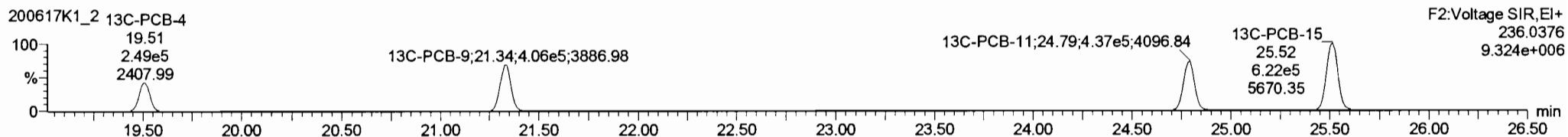
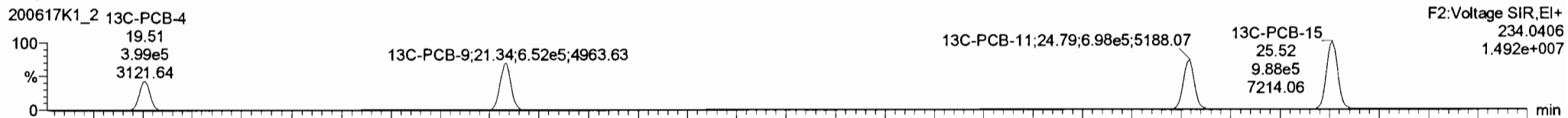
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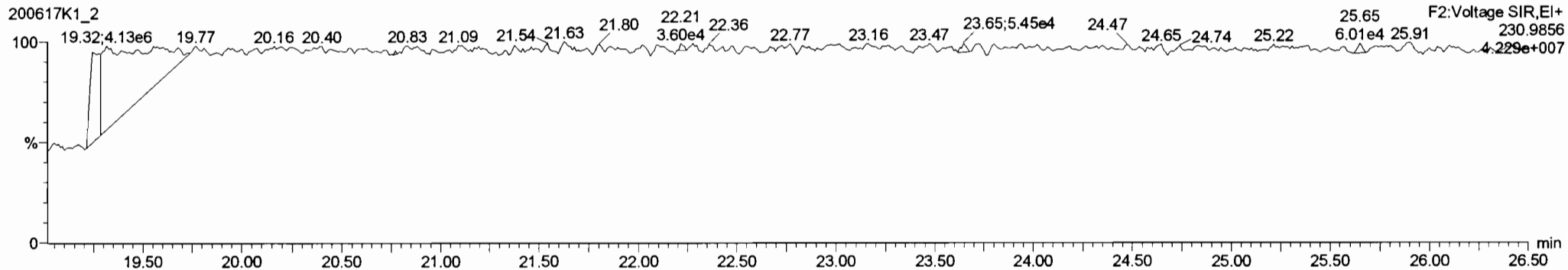
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**13C-PCB-4**



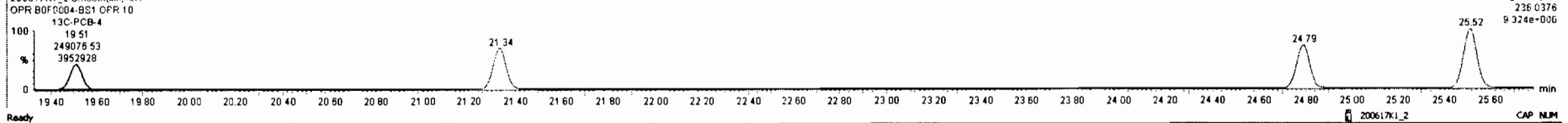
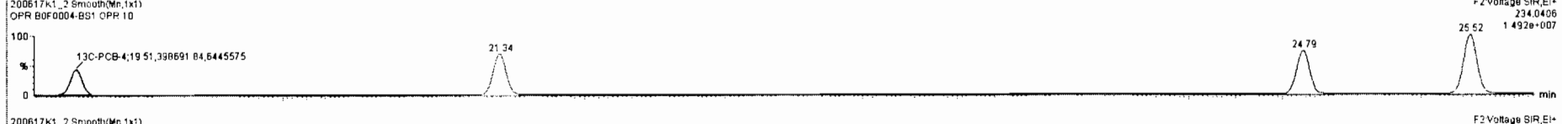
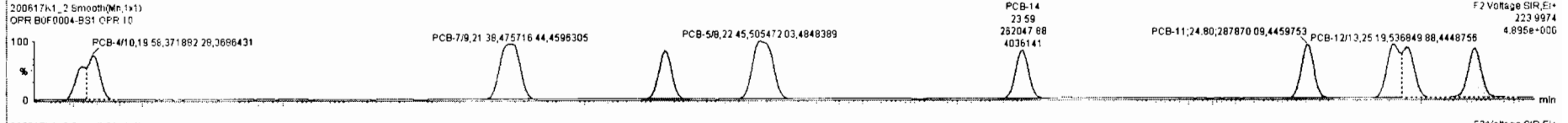
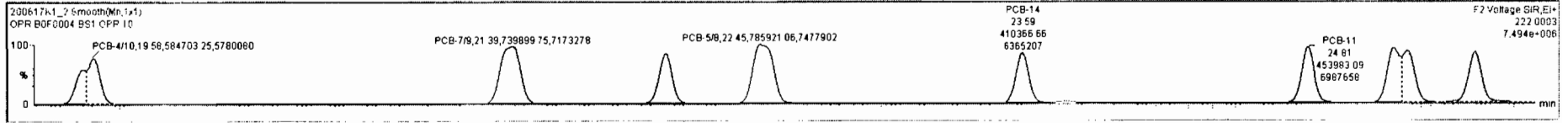
**PFK2a**





#	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	37.78	37.78	0.968	0.968	NO	2026	101	2.37	
223	13C-PCB-178	2.96e5	0.46	NO	1.0508	5.000	45.85	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-4/10	19.59	19.58	5.847e5	3.719e5	1.560	1.57	NO	2366.4	2366.4
2	5 PCB-7/9	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

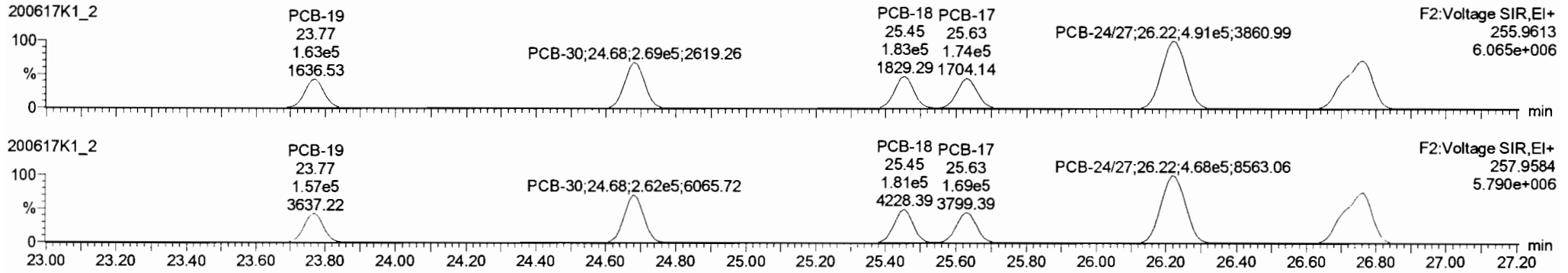


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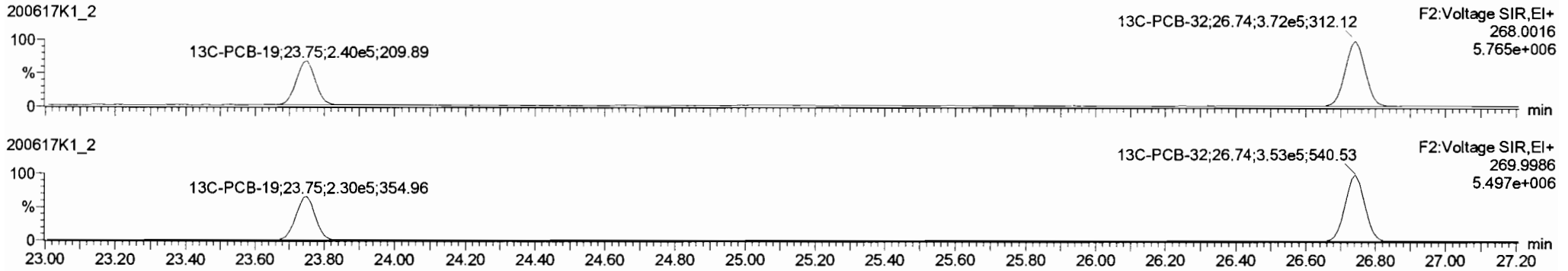
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

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

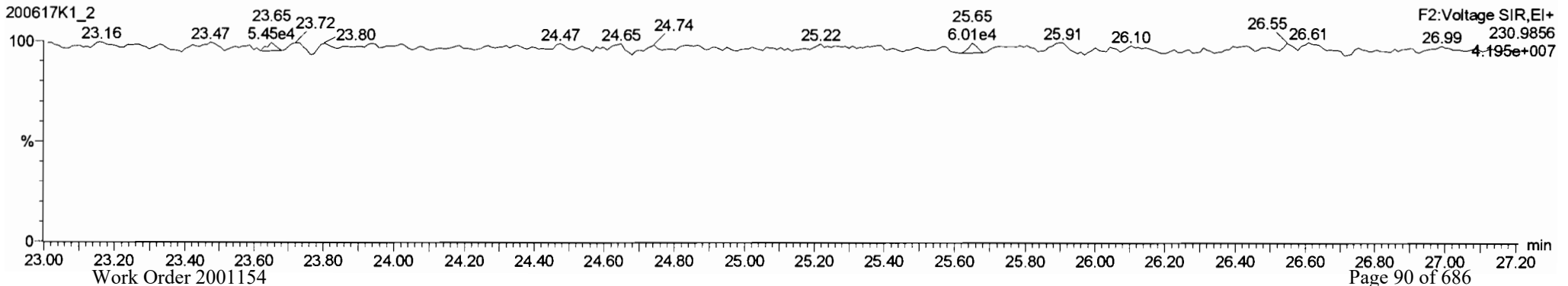
**PCB-19**



**13C-PCB-19**



**PFK2b**



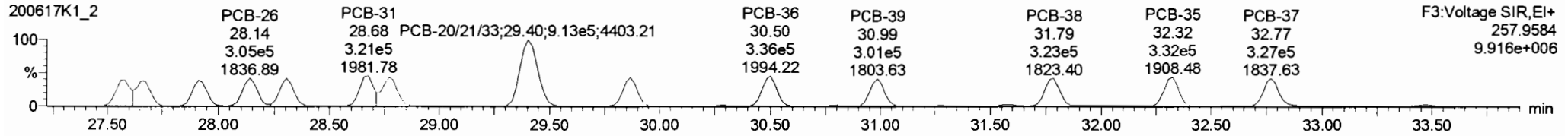
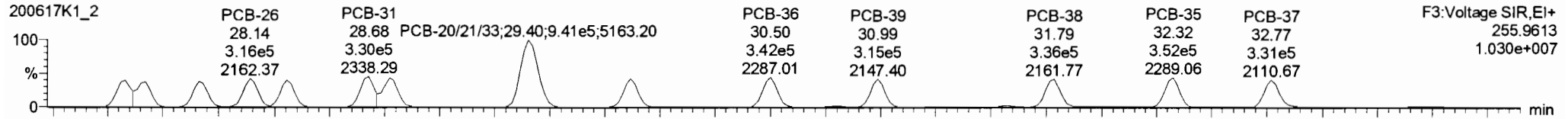
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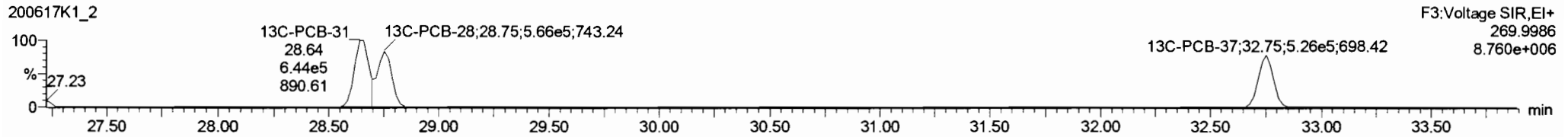
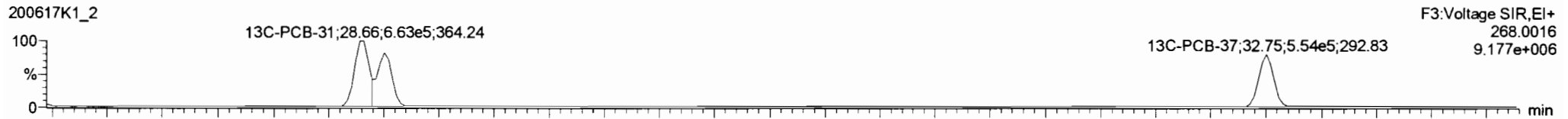
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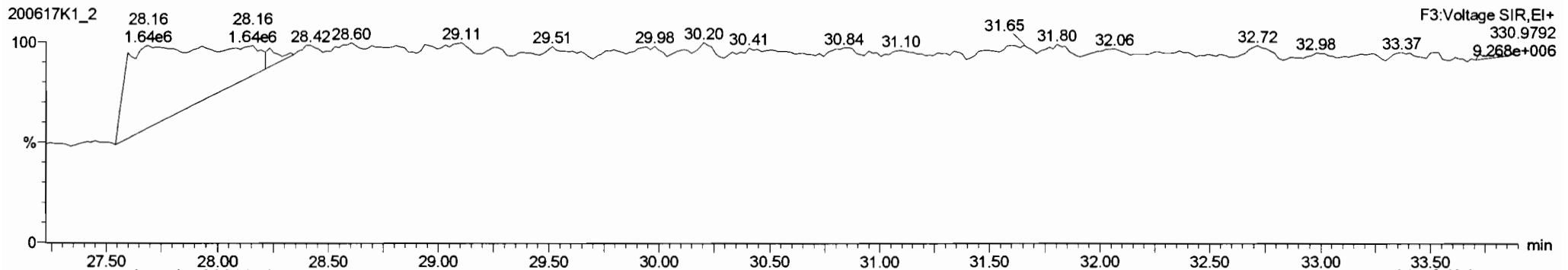
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**13C-PCB-28**



**PFK3d**

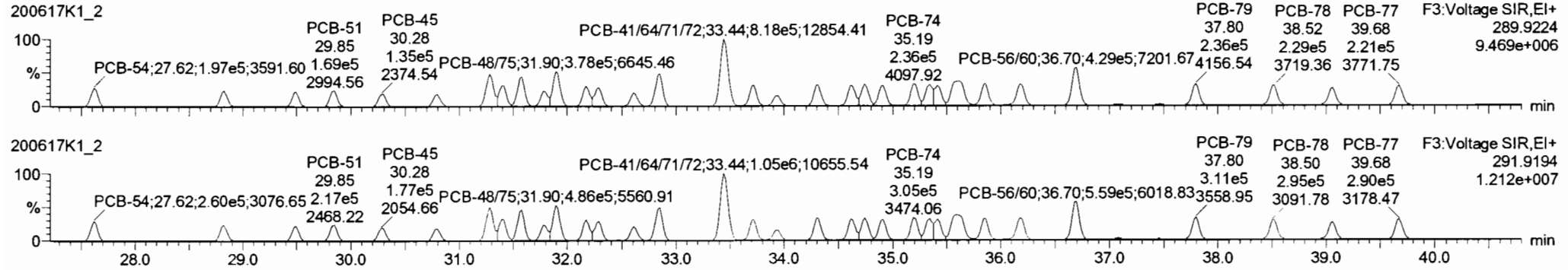


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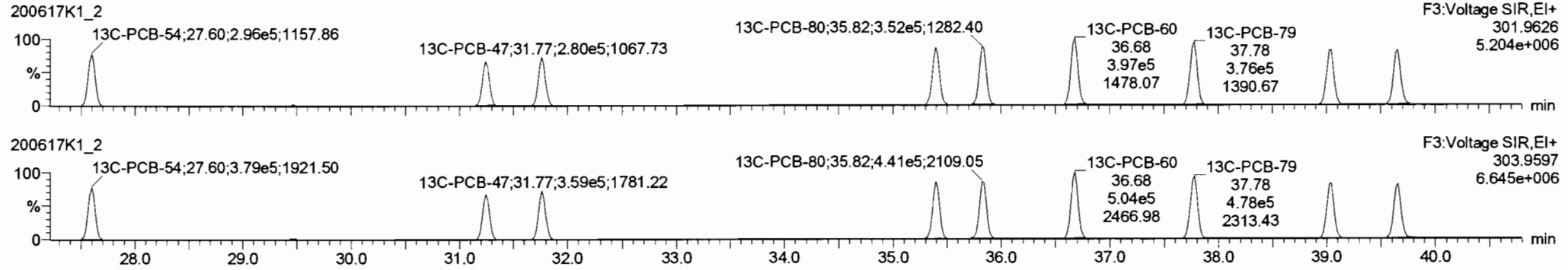
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

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

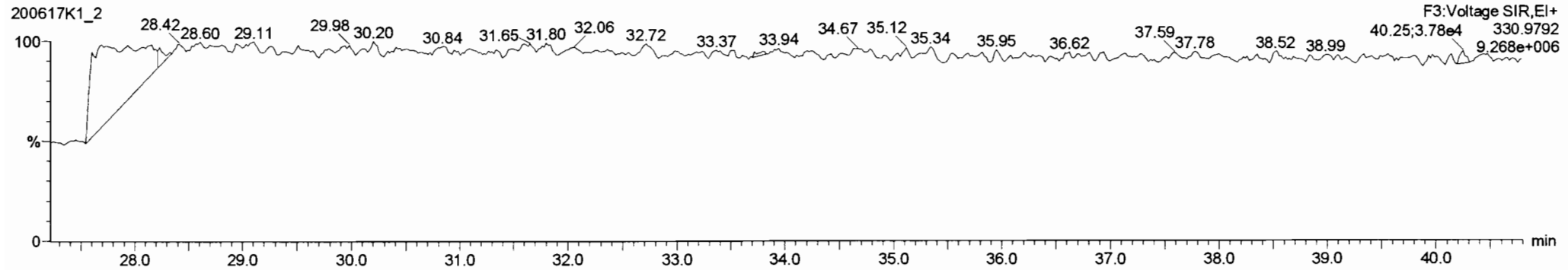
**PCB-54**



**13C-PCB-54**



**PFK3a**



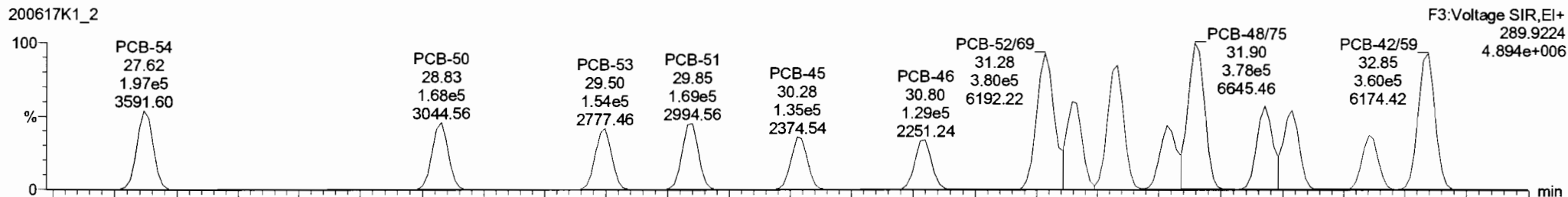
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 Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

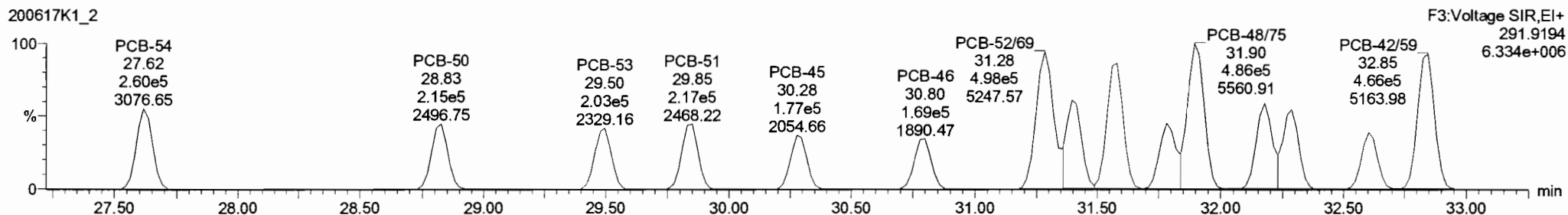
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**PCB-50**

200617K1\_2

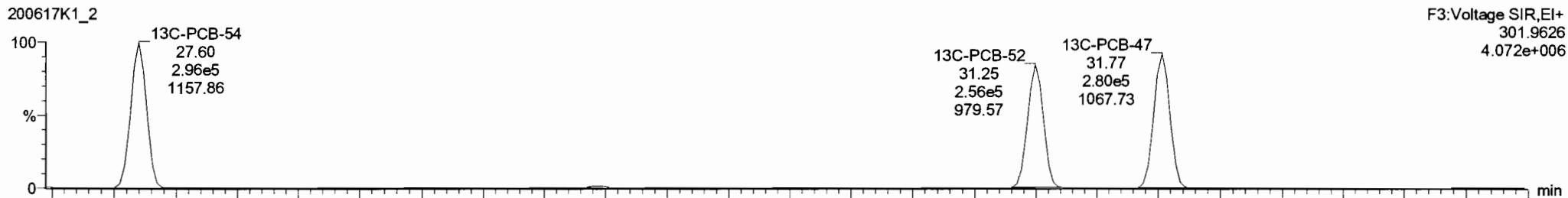


200617K1\_2

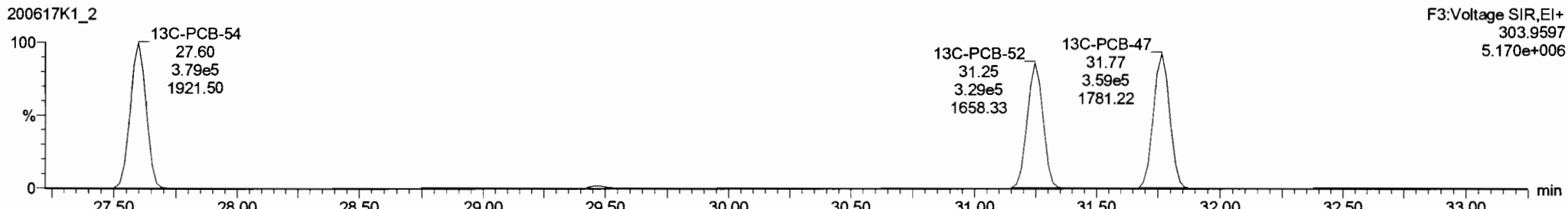


**13C-PCB-52**

200617K1\_2



200617K1\_2

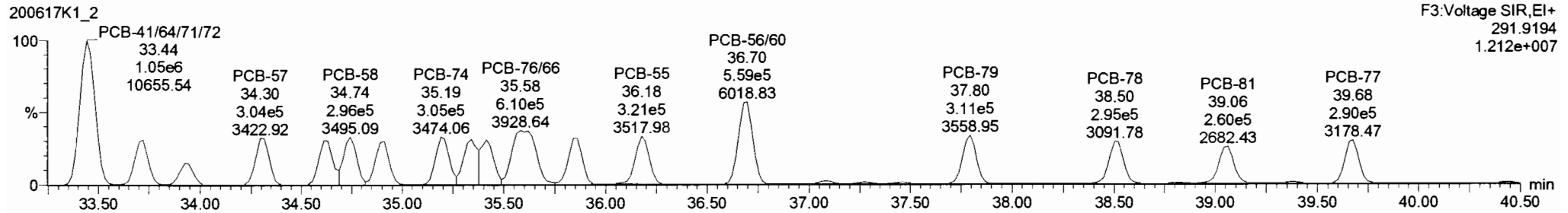
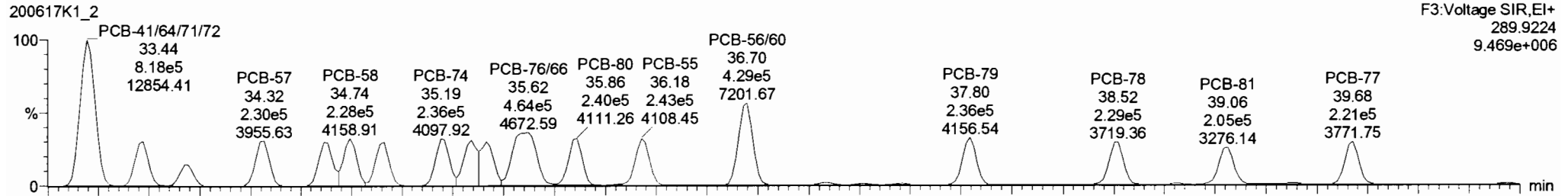


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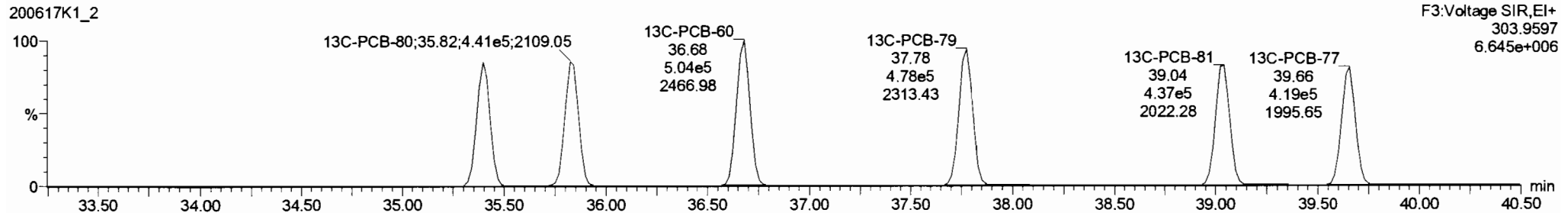
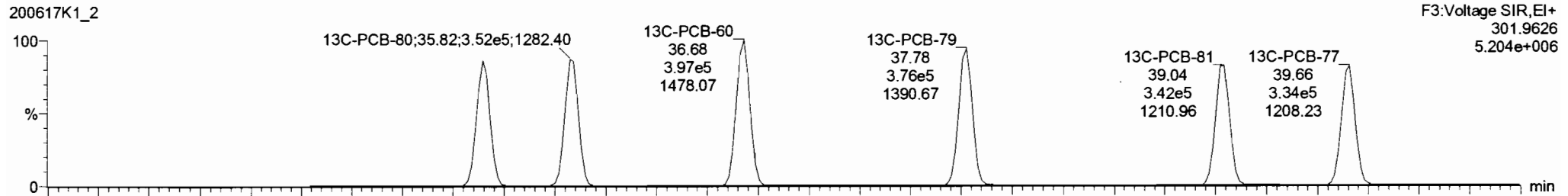
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

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

**PCB-68**

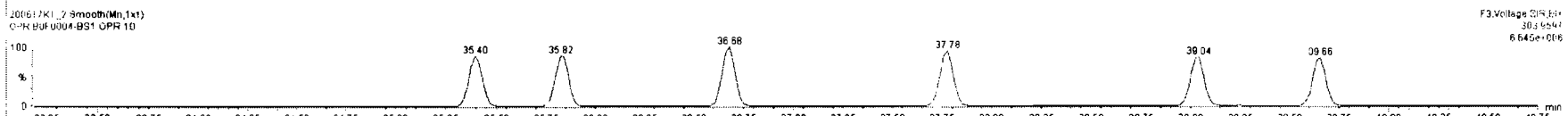
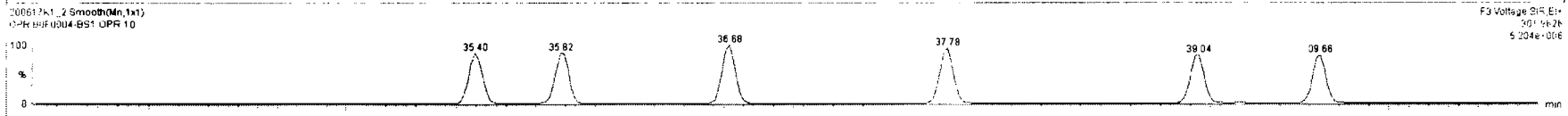
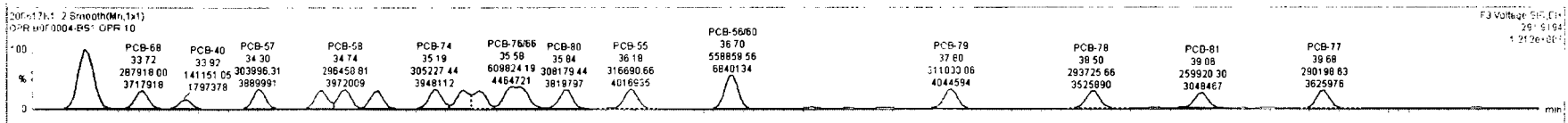
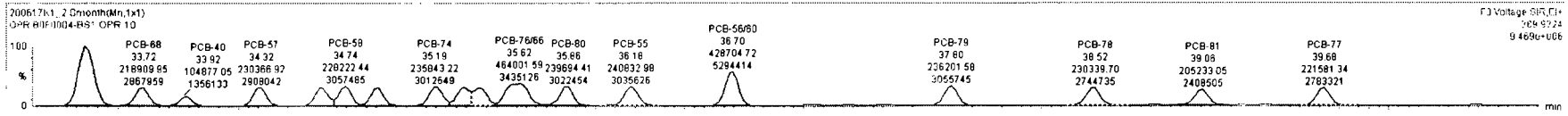


**13C-PCB-60**



#	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		16.8	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	17130		7.47	17130

#	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



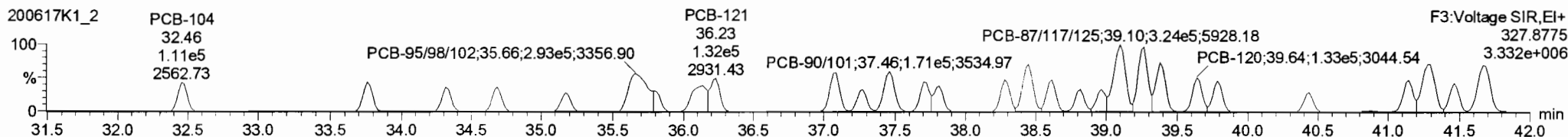
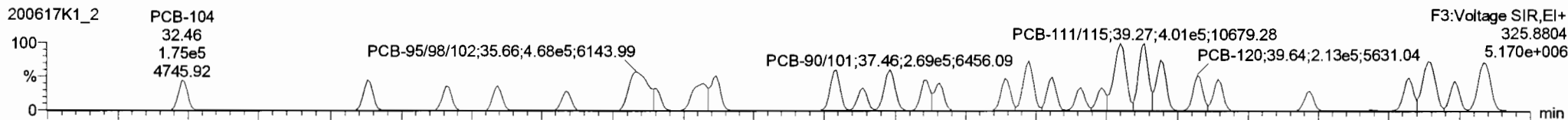
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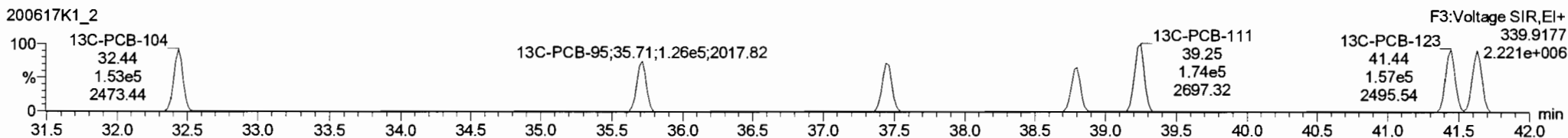
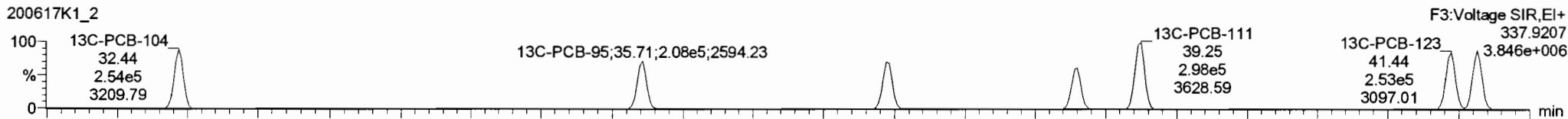
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

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

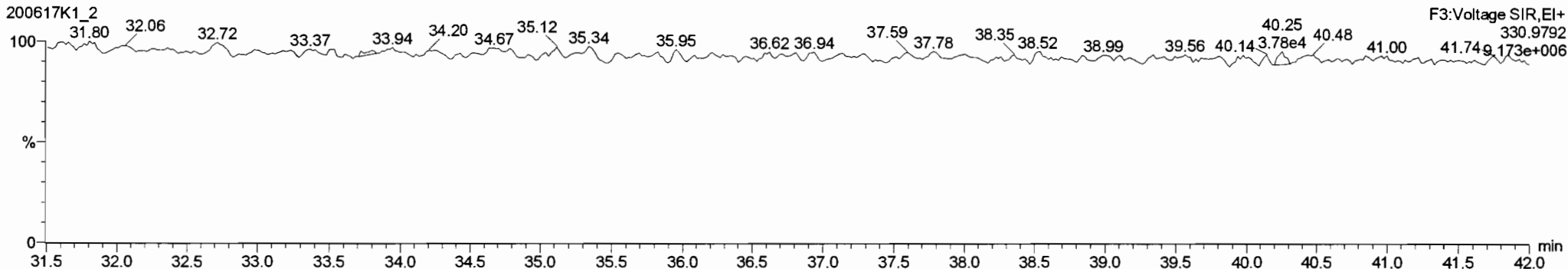
### PCB-104



### 13C-PCB-104



### PFK3b



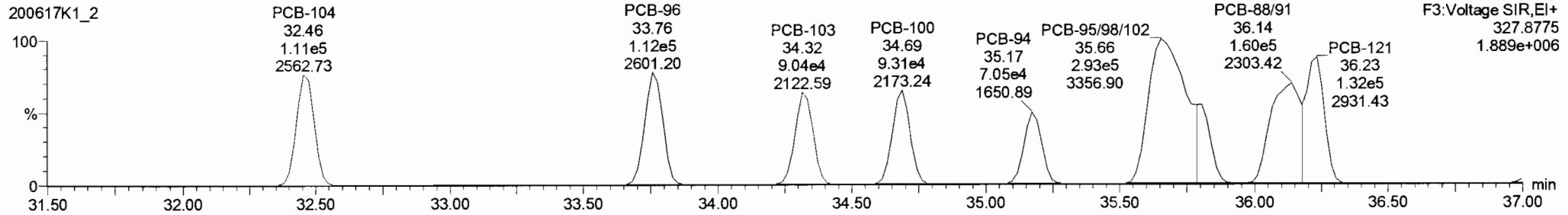
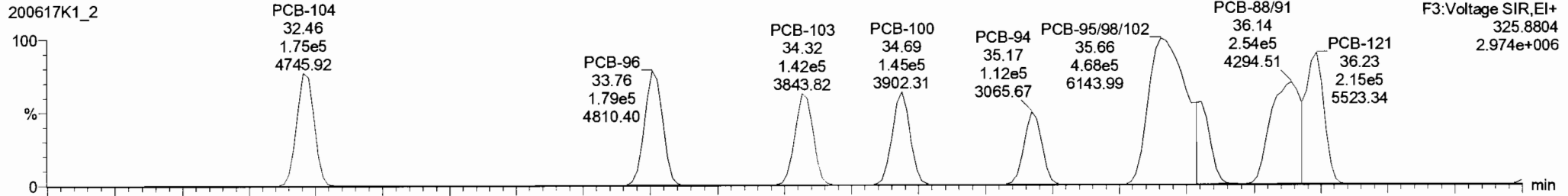


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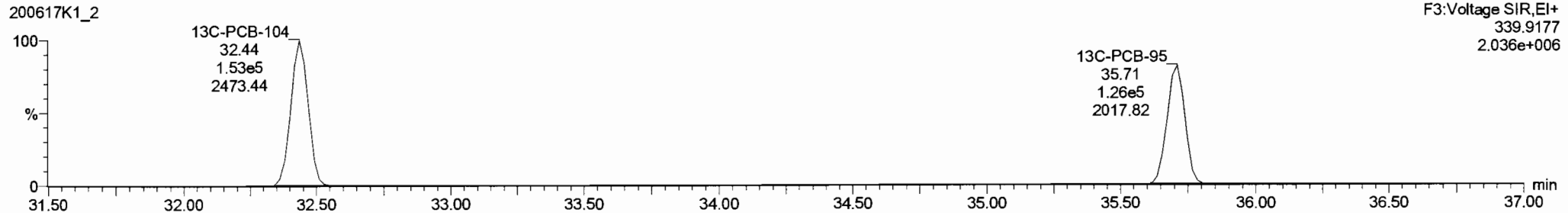
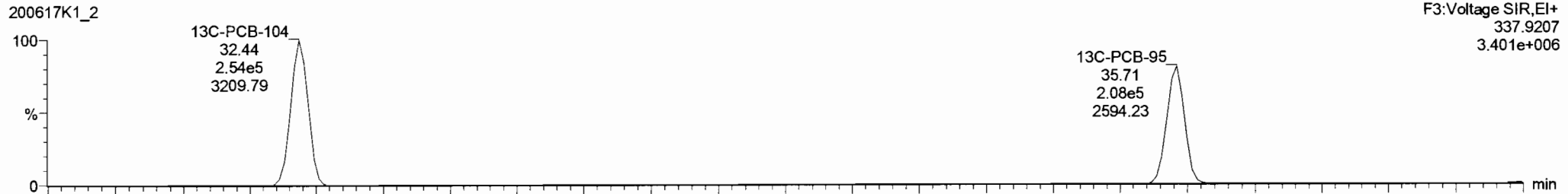
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

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

**PCB-96**

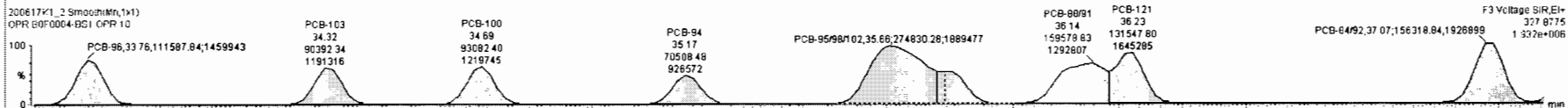
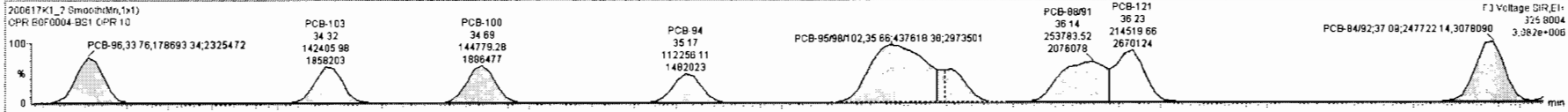


**13C-PCB-95**



#	Name	Resp	RA	rv	RRF	WtWot	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	1.560	1.58	NO	1261.8	1261.8
2	65 PCB-96	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	9.038e4	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	1225.3	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	3548.8	3548.8



Dataset: Untitled

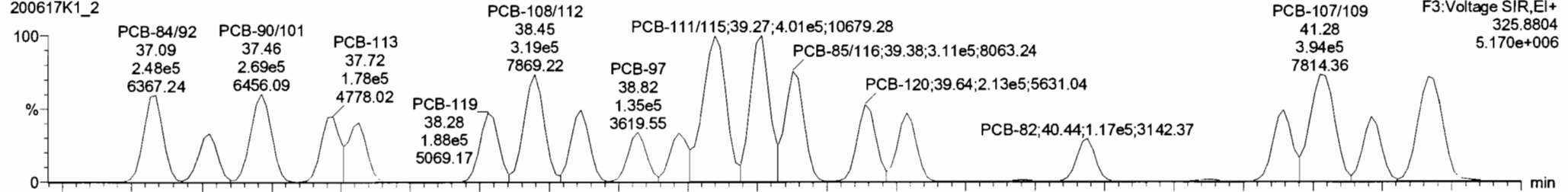
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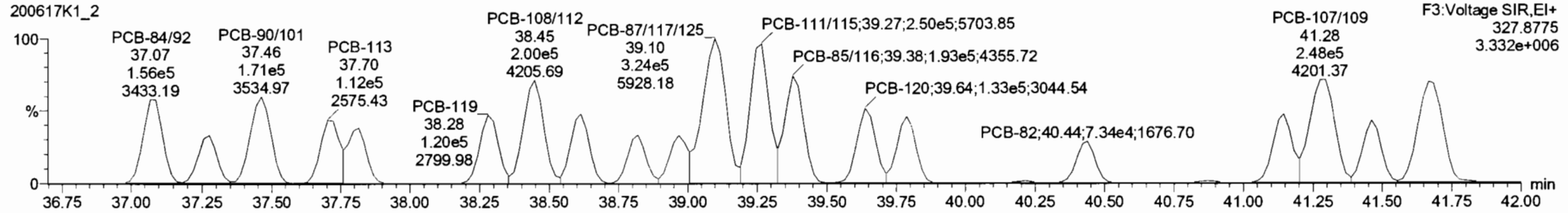
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**PCB-119**

200617K1\_2

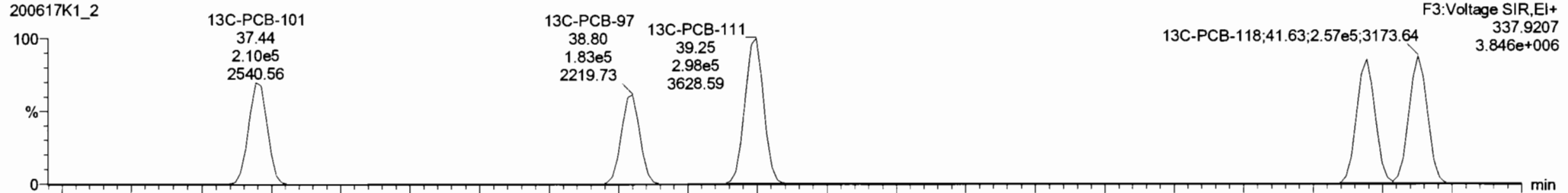


200617K1\_2

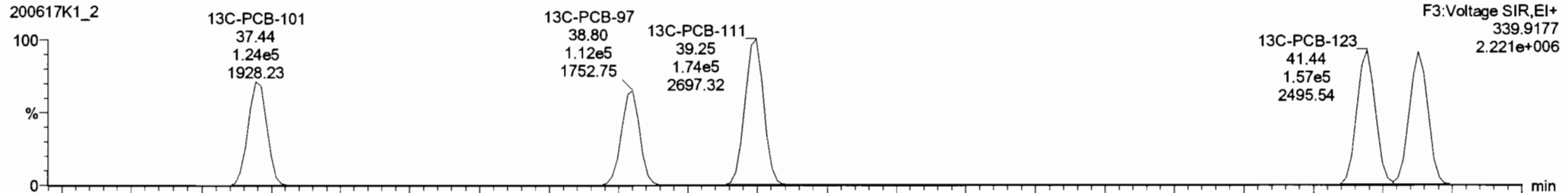


**13C-PCB-111**

200617K1\_2



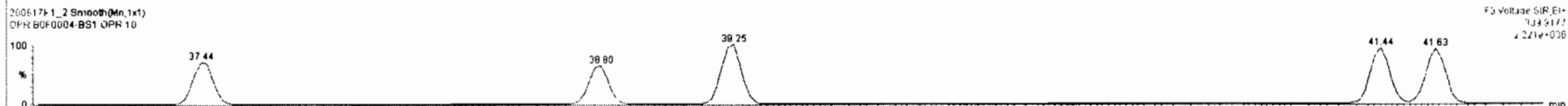
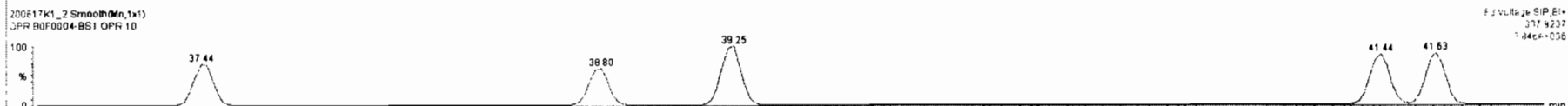
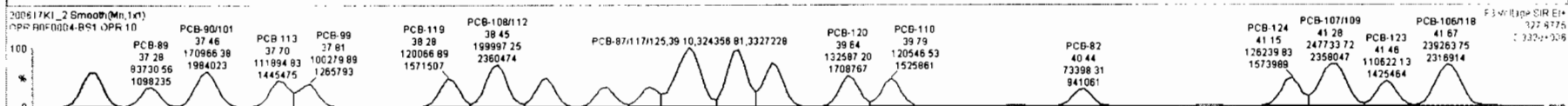
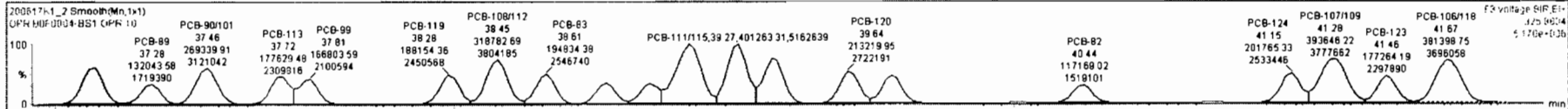
200617K1\_2



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

#	Name	Resp	RA	n/y	RPF	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



Dataset: Untitled

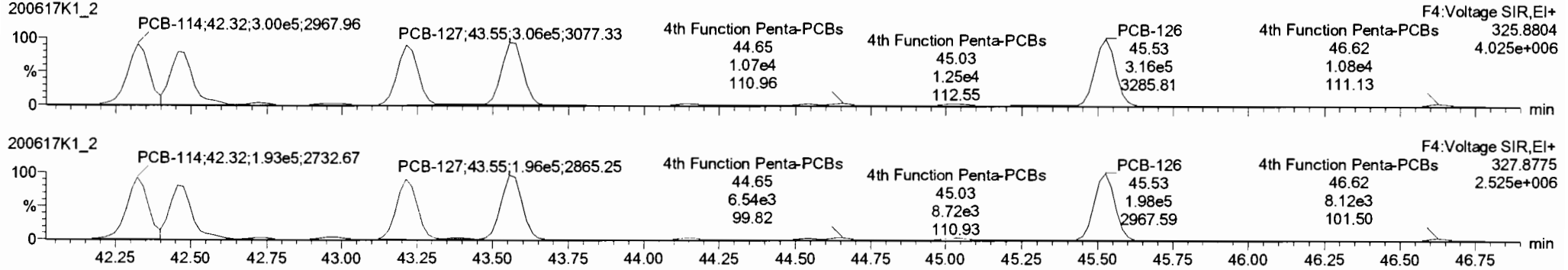
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

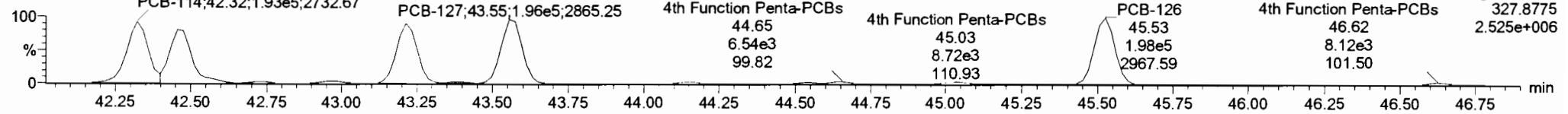
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**PCB-114**

200617K1\_2

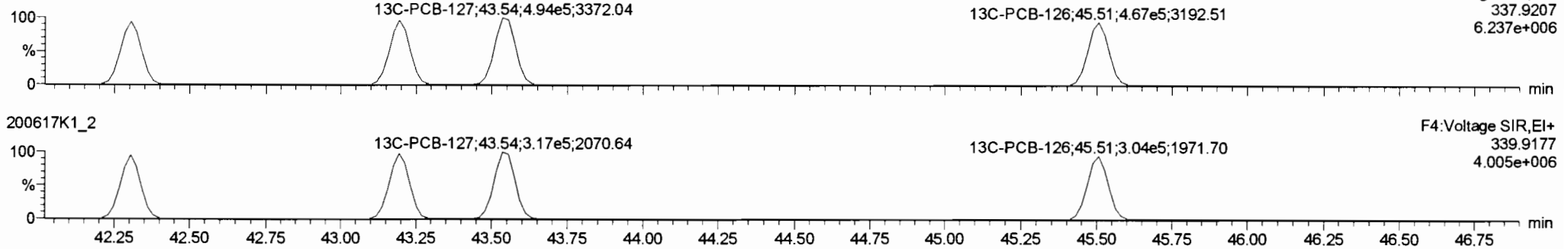


200617K1\_2

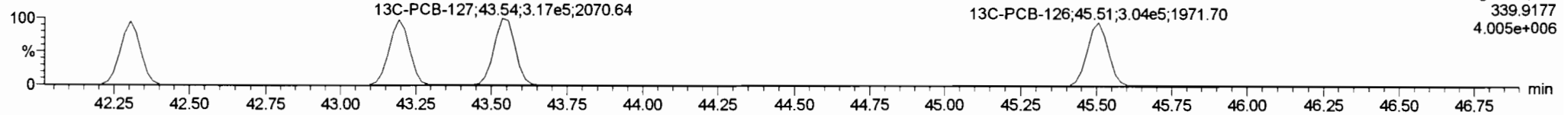


**13C-PCB-114**

200617K1\_2

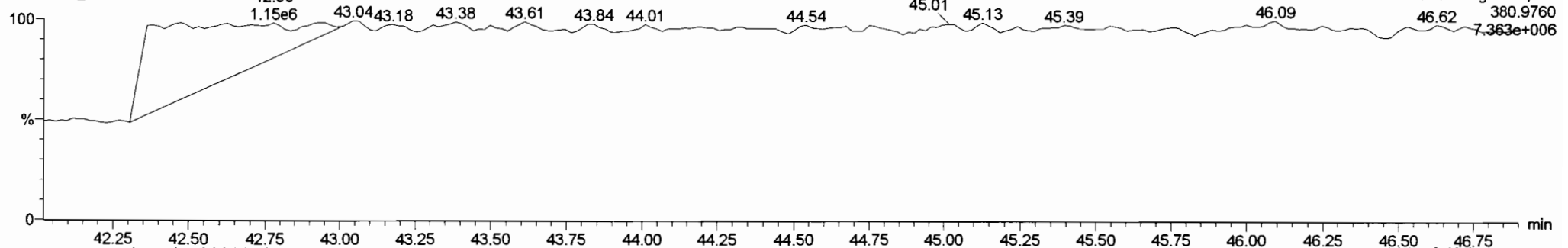


200617K1\_2



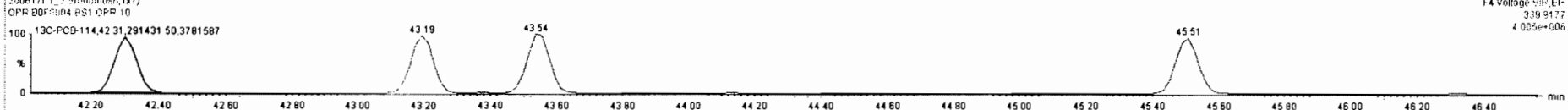
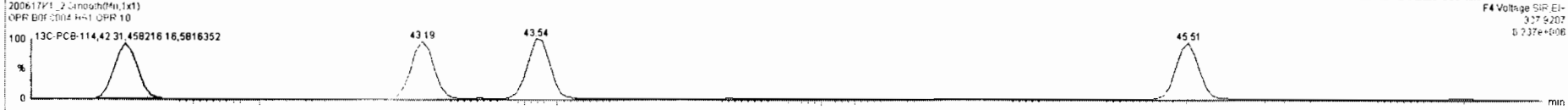
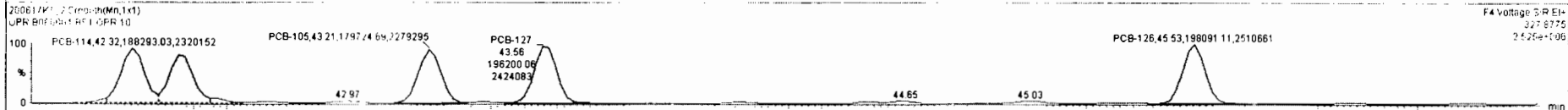
**PFK4a**

200617K1\_2



#	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	45.85	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



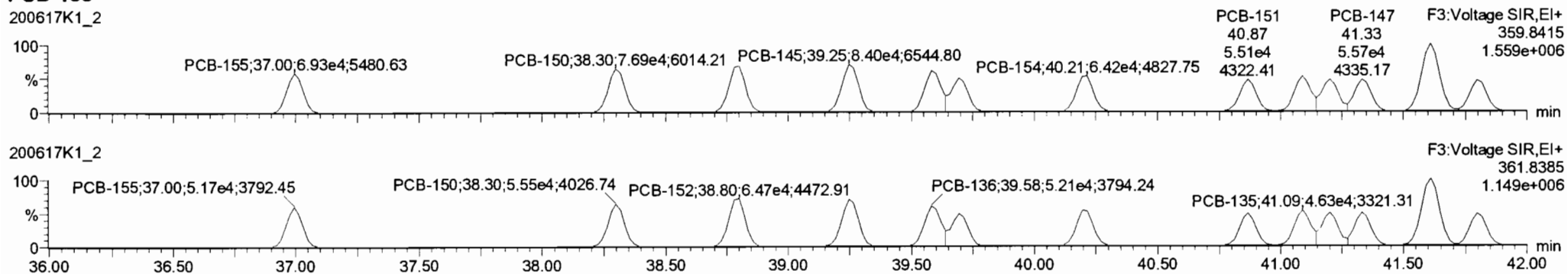
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

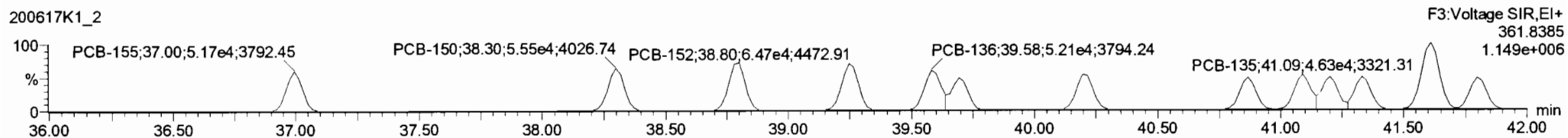
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**PCB-155**

200617K1\_2

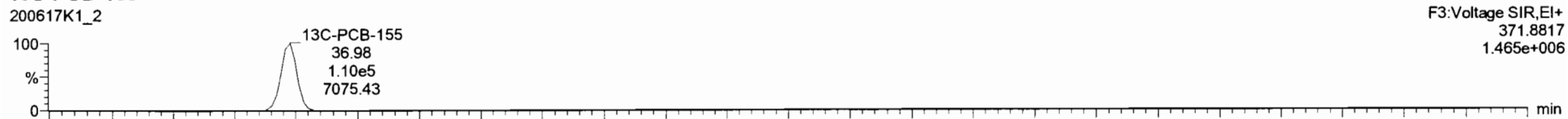


200617K1\_2

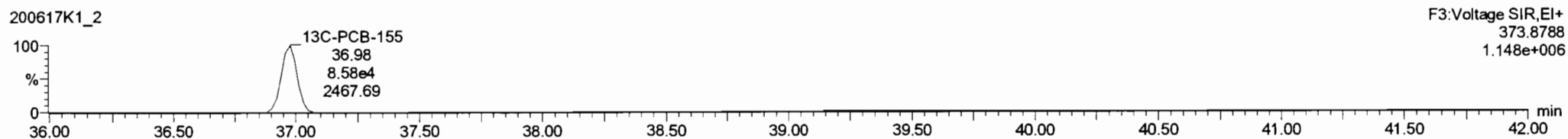


**13C-PCB-155**

200617K1\_2

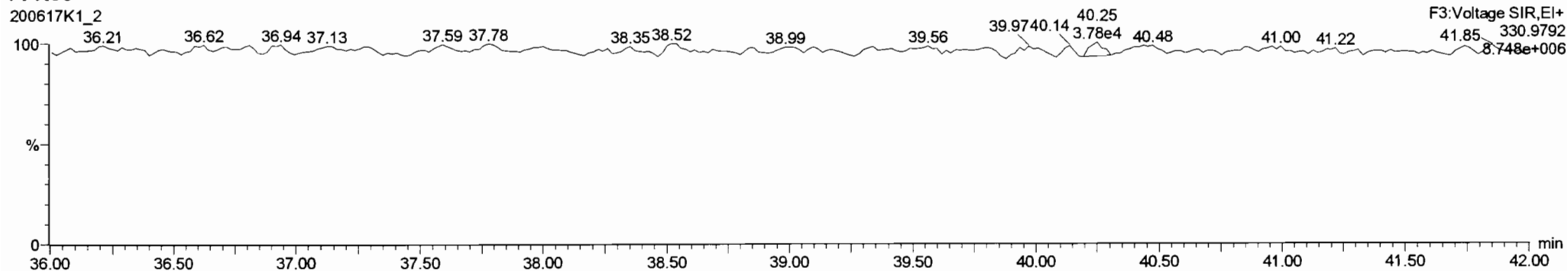


200617K1\_2



**PFK3c**

200617K1\_2

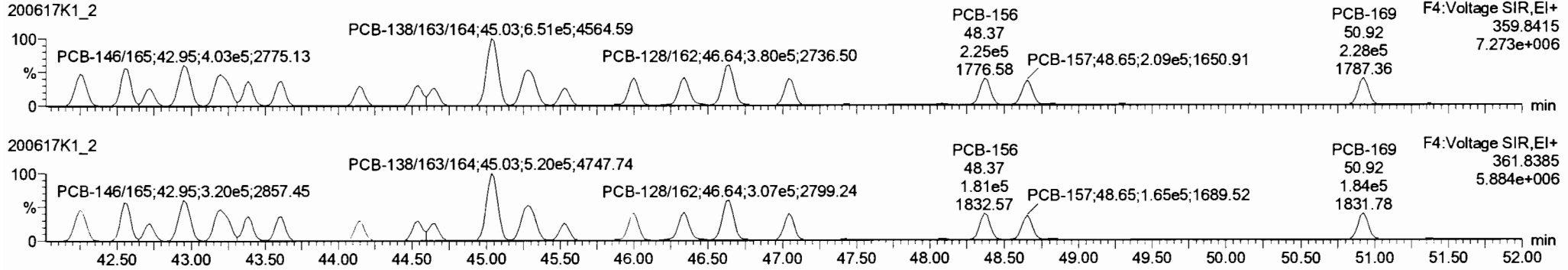


Dataset: Untitled

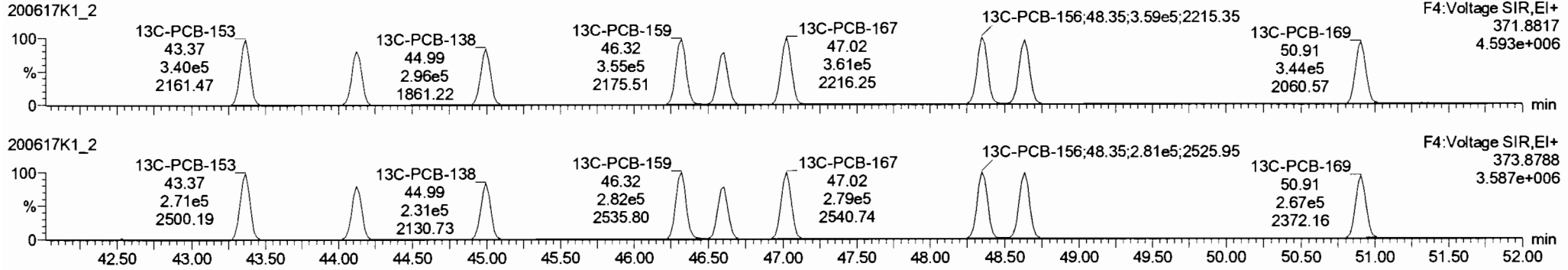
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
 Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

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

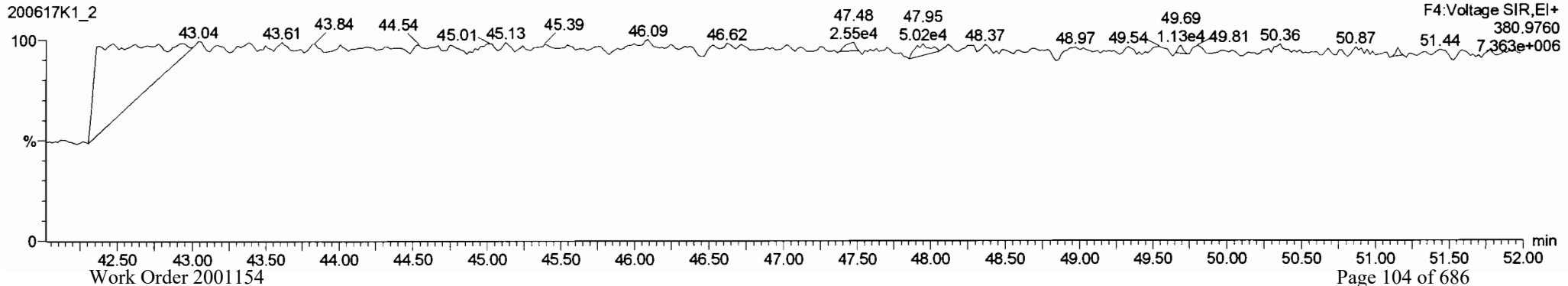
**PCB-134/143**



**13C-PCB-153**



**PFK4b**

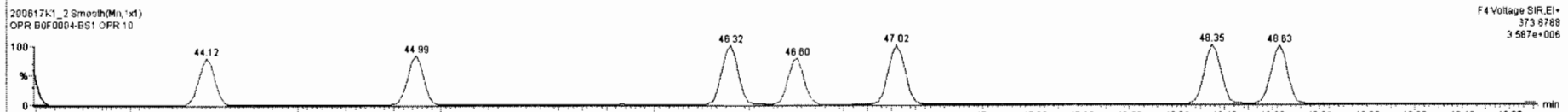
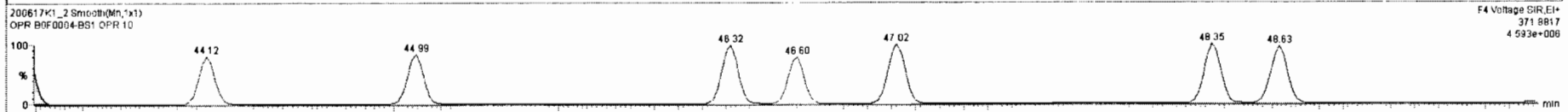
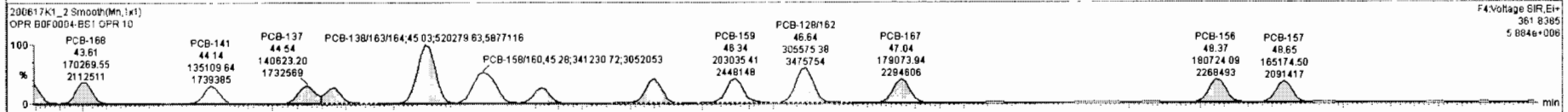
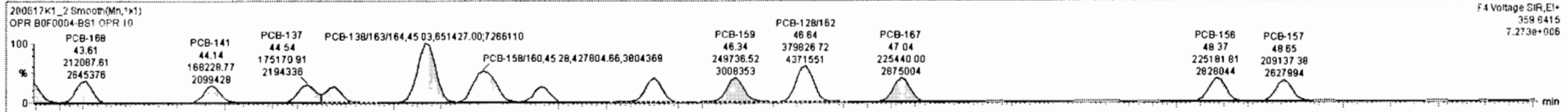




2006 7H 1\_2 - B0F0004-BS1 OPR 10 - OPR

#	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		0.376	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	42.26	42.25	3.068e5	2.439e5	1.240	1.26	NO	2375.4	2375.4
2	112 PCB-131/133	42.56	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	43.36	43.36	2.083e5	1.681e5	1.240	1.24	NO	1151.0	1151.0



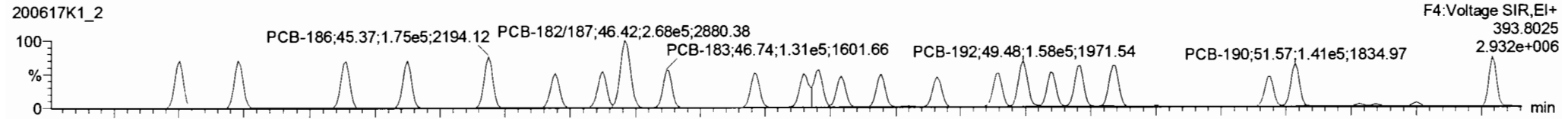
Dataset: Untitled

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

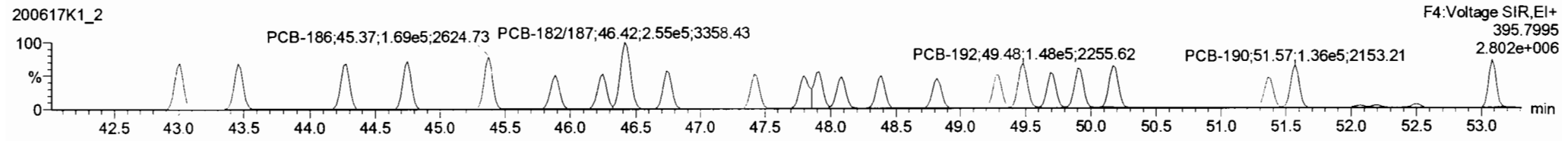
Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

**PCB-188**

200617K1\_2

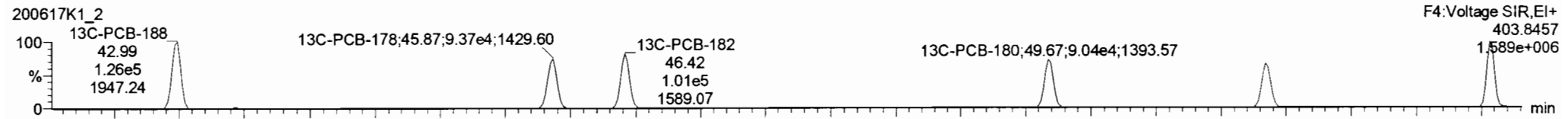


200617K1\_2

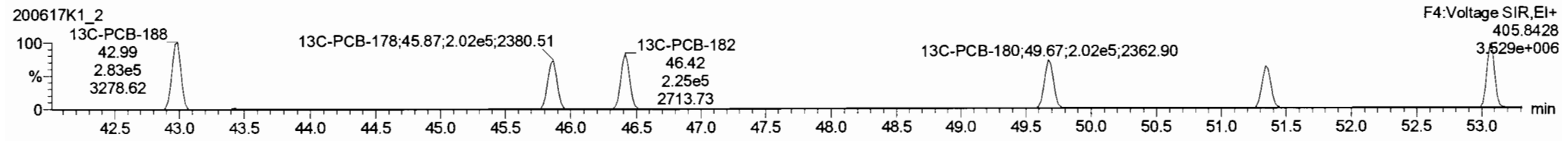


**13C-PCB-188**

200617K1\_2

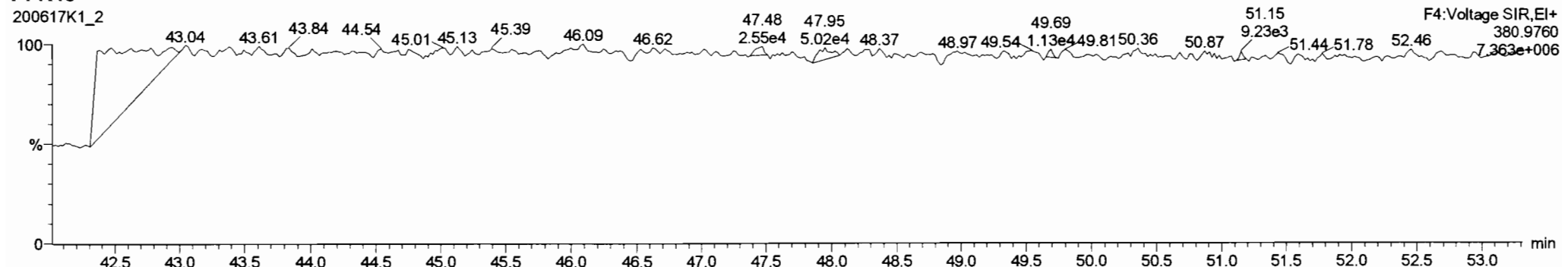


200617K1\_2



**PFK4c**

200617K1\_2



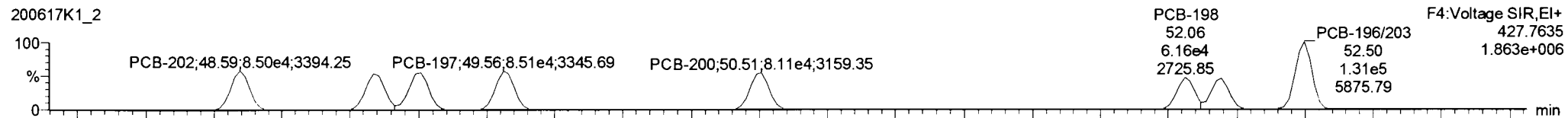
Dataset: Untitled

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

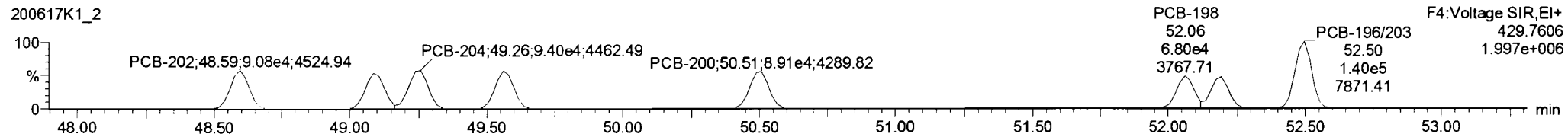
Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

**PCB-202**

200617K1\_2

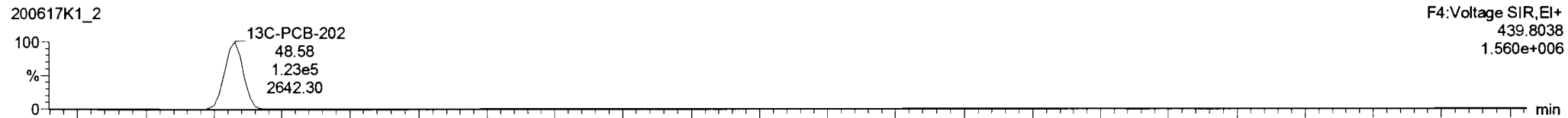


200617K1\_2

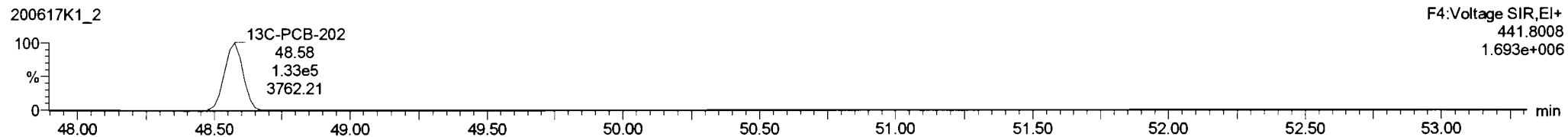


**13C-PCB-202**

200617K1\_2

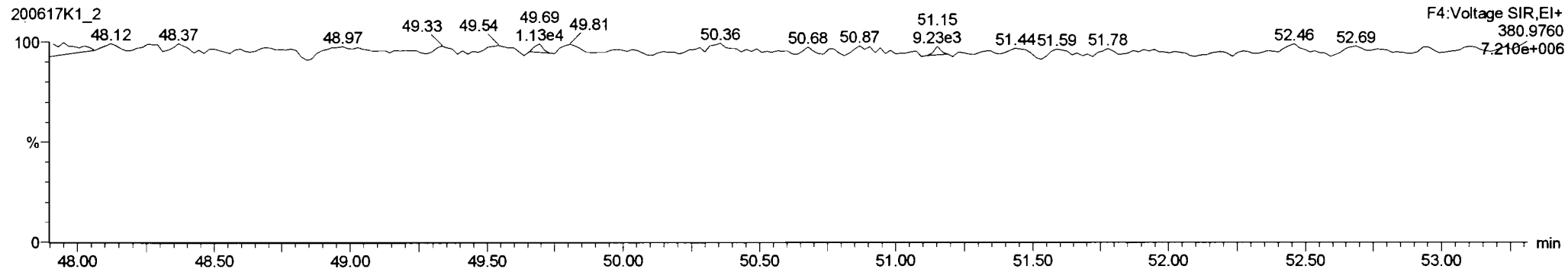


200617K1\_2



**PFK4d**

200617K1\_2



Dataset: Untitled

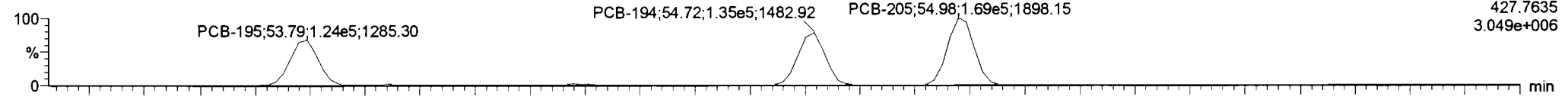
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

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

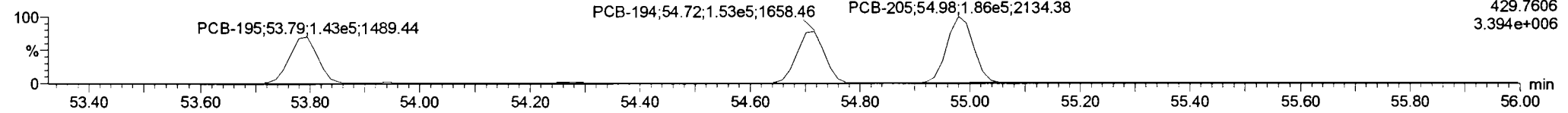
Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

**PCB-195**

200617K1\_2

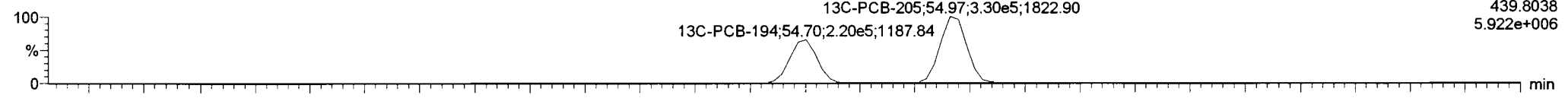


200617K1\_2

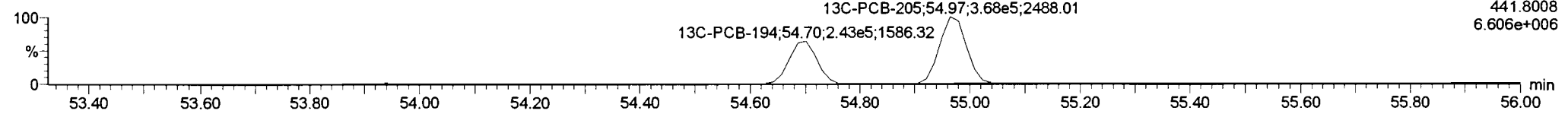


**13C-PCB-194**

200617K1\_2

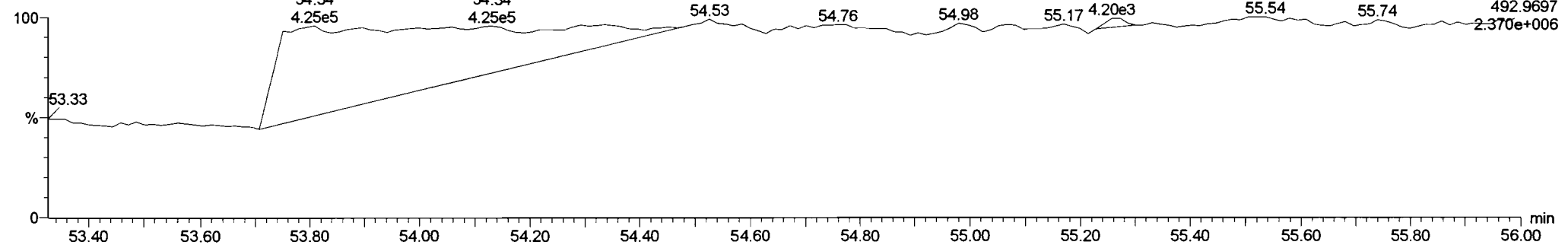


200617K1\_2



**PFK5a**

200617K1\_2



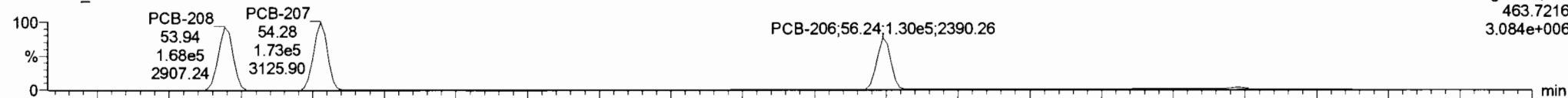
Dataset: Untitled

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

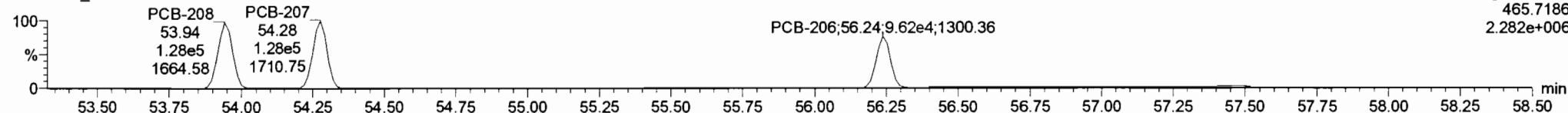
Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

**PCB-208**

200617K1\_2

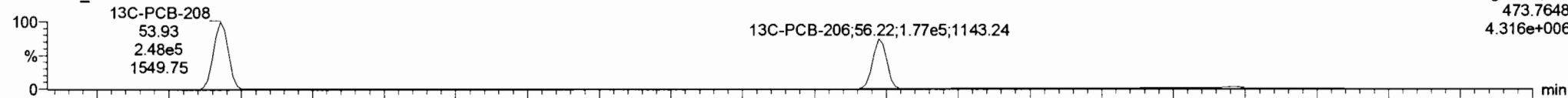


200617K1\_2

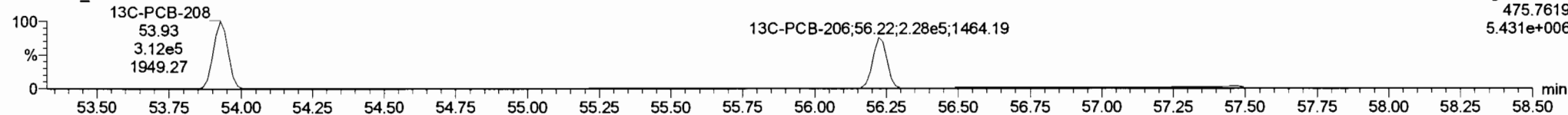


**13C-PCB-208**

200617K1\_2

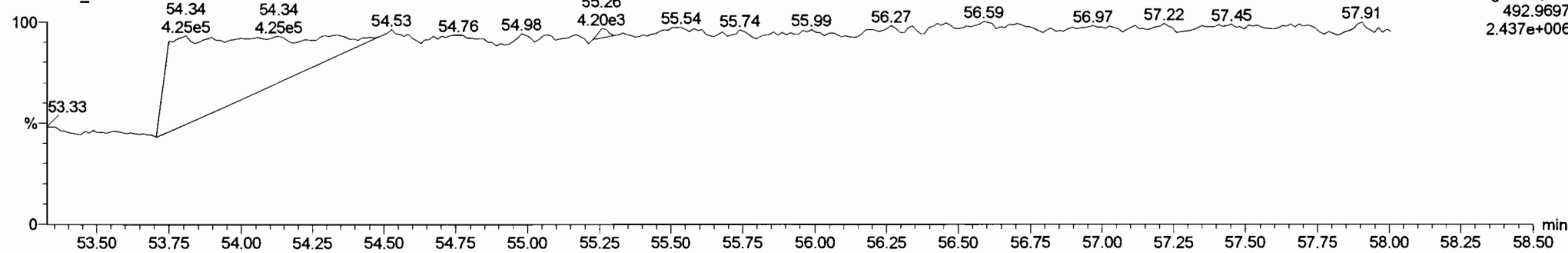


200617K1\_2



**PFK5**

200617K1\_2



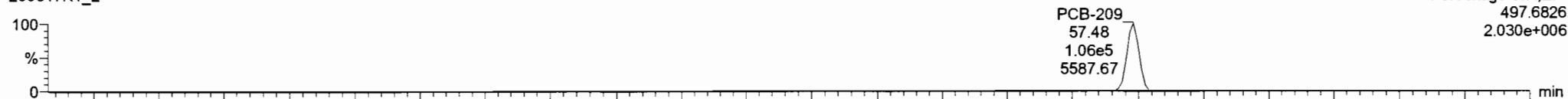
Dataset: Untitled

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

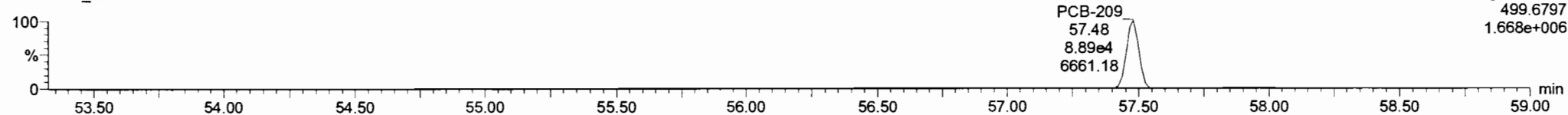
Name: 200617K1\_2, Date: 17-Jun-2020, Time: 14:16:40, ID: B0F0004-BS1 OPR 10, Description: OPR

**PCB-209**

200617K1\_2

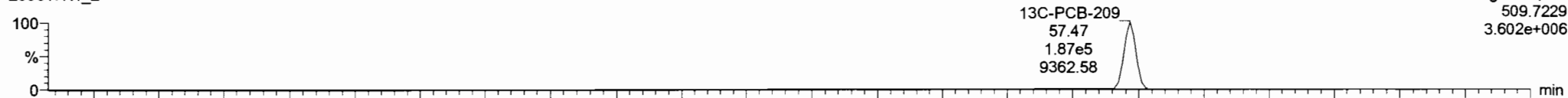


200617K1\_2

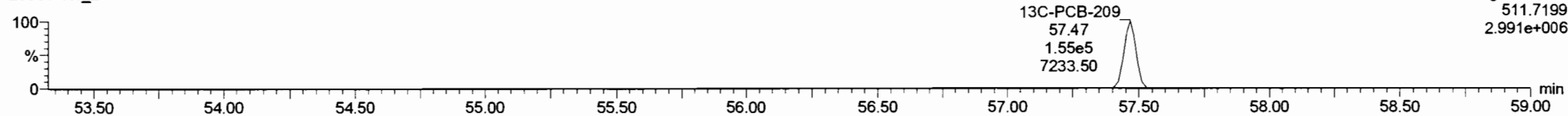


**13C-PCB-209**

200617K1\_2

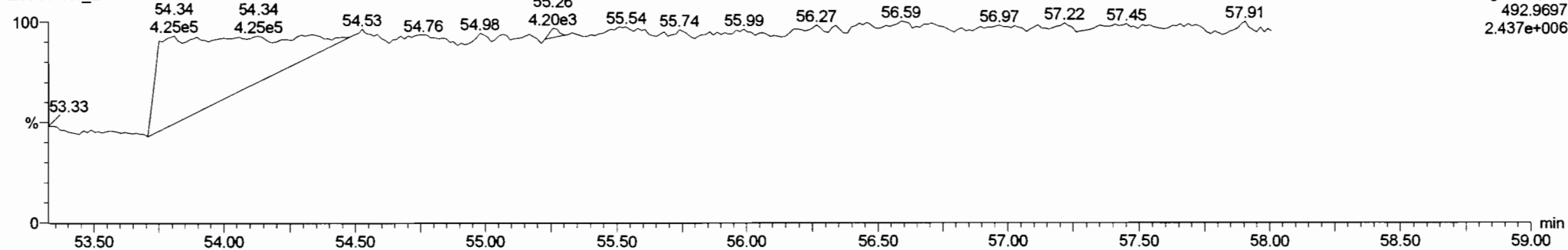


200617K1\_2



**PFK5b**

200617K1\_2



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-10.qld

Last Altered: Friday, June 26, 2020 4:49:55 PM Pacific Daylight Time  
 Printed: Friday, June 26, 2020 4:56:28 PM Pacific Daylight Time

*dy 06-26-2020*

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

*LT 07/08/2020*

Name: 200617K1\_10, Date: 17-Jun-2020, Time: 22:25:35, ID: 2001154-01 PDI-171SC-A-00-01-200521 10, Description: PDI-171SC-A-00-01-200521

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	4.46e3	2.87	NO	1.17	5.516	15.54	15.56	1.001	1.001	NO	5.193		0.215	5.193
2	2 PCB-2	1.17e4	3.23	NO	1.18	5.516	17.96	17.96	0.988	0.988	NO	12.23		0.187	12.23
3	3 PCB-3	3.91e3	2.94	NO	1.15	5.516	18.19	18.19	1.001	1.001	NO	4.195		0.193	4.195
4	4 PCB-4/10	1.03e4	1.11	YES	1.25	5.516	19.60	19.54	1.004	1.001	NO	16.76		1.23	14.44
5	5 PCB-7/9			NO	0.960	5.516	21.41		1.003		YES			0.978	
6	6 PCB-6	6.93e3	1.38	NO	1.02	5.516	22.06	22.06	1.033	1.033	NO	8.214		0.917	8.214
7	7 PCB-5/8	2.73e4	1.54	NO	0.992	5.516	22.46	22.45	1.052	1.052	NO	33.38		0.946	33.38
8	8 PCB-14			NO	1.02	5.516	23.61		0.952		YES			1.01	
9	9 PCB-11	3.30e4	1.41	NO	1.13	5.516	24.83	24.83	1.001	1.001	NO	34.31		0.913	34.31
10	10 PCB-12/13			NO	1.03	5.516	25.27		1.018		YES			1.00	
11	11 PCB-15	2.08e4	1.55	NO	1.03	5.516	25.58	25.55	1.031	1.029	NO	23.48		0.994	23.48
12	12 PCB-19	1.10e4	0.97	NO	1.11	5.516	23.79	23.78	1.001	1.001	NO	21.66		0.629	21.66
13	13 PCB-30			NO	1.79	5.516	24.69		1.039		YES			0.388	
14	14 PCB-18	5.12e4	0.98	NO	0.818	5.516	25.46	25.46	0.952	0.952	NO	89.35		0.572	89.35
15	15 PCB-17	2.85e4	1.09	NO	0.758	5.516	25.63	25.64	0.958	0.958	NO	53.65		0.617	53.65
16	16 PCB-24/27	6.74e3	1.04	NO	1.08	5.516	26.25	26.22	0.981	0.980	NO	8.903		0.433	8.903
17	17 PCB-16/32	4.29e4	1.01	NO	0.925	5.516	26.77	26.76	1.001	1.000	NO	66.18		0.506	66.18
18	18 PCB-34	1.31e3	1.08	NO	0.945	5.516	27.56	27.58	0.959	0.959	NO	1.803		0.544	1.803
19	19 PCB-23			NO	0.883	5.516	27.65		0.962		YES			0.582	
20	20 PCB-29			NO	0.893	5.516	27.91		0.971		YES			0.576	
21	21 PCB-26	1.84e4	1.12	NO	0.944	5.516	28.14	28.16	0.979	0.979	NO	25.31		0.545	25.31
22	22 PCB-25	8.91e3	1.01	NO	0.950	5.516	28.29	28.31	0.984	0.984	NO	12.19		0.541	12.19
23	23 PCB-31	1.11e5	1.03	NO	1.04	5.516	28.66	28.68	0.997	0.997	NO	139.6		0.496	139.6
24	24 PCB-28	1.26e5	0.99	NO	1.03	5.516	28.77	28.79	1.001	1.001	NO	159.7		0.502	159.7
25	25 PCB-20/21/33	5.52e4	1.07	NO	0.941	5.516	29.41	29.44	1.023	1.024	NO	76.15		0.546	76.15
26	26 PCB-22	3.30e4	1.02	NO	0.973	5.516	29.85	29.87	1.038	1.039	NO	44.14		0.529	44.14
27	27 PCB-36			NO	1.08	5.516	30.52		0.931		YES			0.482	
28	28 PCB-39			NO	0.988	5.516	31.00		0.946		YES			0.525	
29	29 PCB-38	1.55e3	1.11	NO	1.05	5.516	31.80	31.82	0.970	0.971	NO	1.888		0.493	1.888
30	30 PCB-35	1.59e3	0.72	YES	1.04	5.516	32.34	32.34	0.987	0.987	NO	1.981		0.487	1.611

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-10.qld

Last Altered: Friday, June 26, 2020 4:49:55 PM Pacific Daylight Time

Printed: Friday, June 26, 2020 4:56:28 PM Pacific Daylight Time

Name: 200617K1\_10, Date: 17-Jun-2020, Time: 22:25:35, ID: 2001154-01 PDI-171SC-A-00-01-200521 10, Description: PDI-171SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	31 PCB-37	3.47e4	1.04	NO	1.01	5.516	32.79	32.79	1.001	1.001	NO	44.16		0.514	44.16
32	32 PCB-54	3.19e3	0.79	NO	1.08	5.516	27.62	27.64	1.001	1.001	NO	4.668		0.213	4.668
33	33 PCB-50	1.05e3	0.71	NO	0.880	5.516	28.81	28.83	1.044	1.044	NO	1.876		0.261	1.876
34	34 PCB-53	2.63e4	0.74	NO	0.997	5.516	29.51	29.50	0.944	0.943	NO	48.74		0.278	48.74
35	35 PCB-51	1.33e4	0.75	NO	1.07	5.516	29.85	29.85	0.955	0.955	NO	23.16		0.260	23.16
36	36 PCB-45	1.37e4	0.75	NO	0.858	5.516	30.30	30.30	0.969	0.969	NO	29.49		0.323	29.49
37	37 PCB-46	5.83e3	0.74	NO	0.831	5.516	30.80	30.80	0.985	0.985	NO	12.98		0.333	12.98
38	38 PCB-52/69	1.74e5	0.76	NO	1.17	5.516	31.30	31.28	1.001	1.001	NO	275.2		0.237	275.2
39	39 PCB-73	7.47e2	0.61	YES	1.44	5.516	31.41	31.39	1.005	1.004	NO	0.9870		0.182	0.8352
40	40 PCB-43/49	1.17e5	0.77	NO	1.02	5.516	31.59	31.60	1.010	1.011	NO	213.5		0.273	213.5
41	41 PCB-47	5.64e4	0.73	NO	0.922	5.516	31.80	31.82	1.001	1.001	NO	108.0		0.301	108.0
42	42 PCB-48/75	2.69e4	0.77	NO	1.12	5.516	31.92	31.93	1.004	1.005	NO	42.36		0.248	42.36
43	43 PCB-65			NO	1.28	5.516	32.19		1.013		YES			0.216	
44	44 PCB-62			NO	1.13	5.516	32.29		1.016		YES			0.246	
45	45 PCB-44	9.66e4	0.75	NO	0.824	5.516	32.64	32.62	1.027	1.026	NO	207.0		0.337	207.0
46	46 PCB-42/59	4.04e4	0.79	NO	1.05	5.516	32.87	32.86	1.034	1.034	NO	68.04		0.264	68.04
47	47 PCB-41/64/71/72	1.29e5	0.76	NO	1.19	5.516	33.47	33.46	1.053	1.053	NO	191.5		0.234	191.5
48	48 PCB-68	2.52e3	0.88	NO	1.28	5.516	33.72	33.72	1.061	1.061	NO	3.480		0.217	3.480
49	49 PCB-40	1.37e4	0.76	NO	0.602	5.516	33.95	33.94	1.068	1.068	NO	40.22		0.461	40.22
50	50 PCB-57	1.05e3	0.55	YES	1.16	5.516	34.30	34.33	0.969	0.970	NO	1.227		0.181	1.085
51	51 PCB-67	4.65e3	0.87	NO	1.08	5.516	34.62	34.63	0.978	0.978	NO	6.270		0.205	6.270
52	52 PCB-58	9.75e2	1.03	YES	1.20	5.516	34.74	34.76	0.982	0.982	NO	1.185		0.185	1.031
53	53 PCB-63	6.82e3	0.71	NO	1.07	5.516	34.90	34.91	0.986	0.986	NO	9.310		0.208	9.310
54	54 PCB-74	7.48e4	0.73	NO	1.19	5.516	35.20	35.21	0.994	0.995	NO	92.34		0.188	92.34
55	55 PCB-61/70	2.08e5	0.75	NO	1.05	5.516	35.41	35.43	1.000	1.001	NO	289.2		0.211	289.2
56	56 PCB-76/66	1.75e5	0.76	NO	1.16	5.516	35.60	35.64	1.006	1.007	NO	220.4		0.191	220.4
57	57 PCB-80			NO	1.19	5.516	35.86		1.001		YES			0.176	
58	58 PCB-55	2.31e3	0.66	NO	1.17	5.516	36.18	36.18	1.010	1.009	NO	2.788		0.179	2.788
59	59 PCB-56/60	9.18e4	0.76	NO	1.02	5.516	36.70	36.70	1.024	1.024	NO	126.9		0.206	126.9
60	60 PCB-79	3.02e3	0.74	NO	1.14	5.516	37.80	37.81	1.055	1.055	NO	3.736		0.184	3.736
61	61 PCB-78			NO	1.14	5.516	38.52		0.987		YES			0.186	
62	62 PCB-81	1.26e3	0.67	NO	1.05	5.516	39.06	39.10	1.000	1.001	NO	1.687		0.202	1.687
63	63 PCB-77	1.61e4	0.84	NO	1.14	5.516	39.68	39.67	1.000	1.000	NO	20.77		0.197	20.77



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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
64	64 PCB-104	5.41e2	1.03	YES	1.12	5.516	32.47	32.47	1.001	1.001	NO	1.186		0.250	0.9868
65	65 PCB-96	2.35e3	1.60	NO	1.15	5.516	33.80	33.78	1.041	1.041	NO	4.997		0.243	4.997
66	66 PCB-103	4.24e3	1.61	NO	0.936	5.516	34.36	34.33	1.059	1.058	NO	11.12		0.300	11.12
67	67 PCB-100	3.29e3	1.38	NO	0.954	5.516	34.71	34.69	1.069	1.069	NO	8.485		0.294	8.485
68	68 PCB-94	1.17e3	1.52	NO	0.949	5.516	35.19	35.17	0.985	0.985	NO	3.857		0.385	3.857
69	69 PCB-95/98/102	1.30e5	1.57	NO	1.20	5.516	35.67	35.73	0.999	1.001	NO	337.3		0.304	337.3
70	70 PCB-93			NO	0.935	5.516	35.79		1.002		YES			0.391	
71	71 PCB-88/91	2.32e4	1.66	NO	1.06	5.516	36.14	36.14	1.012	1.012	NO	68.10		0.343	68.10
72	72 PCB-121			NO	1.71	5.516	36.23		1.015		YES			0.214	
73	73 PCB-84/92	5.80e4	1.60	NO	1.02	5.516	37.10	37.09	0.990	0.990	NO	175.3		0.361	175.3
74	74 PCB-89	1.19e3	1.59	NO	1.11	5.516	37.27	37.28	0.995	0.995	NO	3.322		0.332	3.322
75	75 PCB-90/101	1.65e5	1.62	NO	1.12	5.516	37.48	37.48	1.000	1.000	NO	451.9		0.327	451.9
76	76 PCB-113			NO	1.51	5.516	37.72		1.007		YES			0.242	
77	77 PCB-99	6.96e4	1.56	NO	1.32	5.516	37.81	37.81	1.009	1.009	NO	161.9		0.278	161.9
78	78 PCB-119	7.68e3	1.46	NO	1.81	5.516	38.30	38.30	0.987	0.987	NO	14.33		0.226	14.33
79	79 PCB-108/112	6.23e3	1.77	NO	1.44	5.516	38.46	38.47	0.991	0.991	NO	14.53		0.283	14.53
80	80 PCB-83			NO	1.83	5.516	38.61		0.995		YES			0.223	
81	81 PCB-97	3.56e4	1.62	NO	1.28	5.516	38.82	38.82	1.000	1.000	NO	93.49		0.319	93.49
82	82 PCB-86			NO	1.12	5.516	38.97		1.004		YES			0.366	
83	83 PCB-87/117/125	5.09e4	1.56	NO	1.56	5.516	39.12	39.12	1.008	1.008	NO	110.0		0.262	110.0
84	84 PCB-111/115	2.68e3	1.57	NO	1.91	5.516	39.27	39.27	1.012	1.012	NO	4.719		0.214	4.719
85	85 PCB-85/116	2.18e4	1.62	NO	1.41	5.516	39.40	39.38	1.015	1.015	NO	51.97		0.290	51.97
86	86 PCB-120	1.44e3	1.50	NO	2.01	5.516	39.66	39.64	1.022	1.022	NO	2.421		0.204	2.421
87	87 PCB-110	1.97e5	1.60	NO	1.74	5.516	39.79	39.79	1.026	1.025	NO	380.3		0.234	380.3
88	88 PCB-82	1.20e4	1.68	NO	0.781	5.516	40.44	40.44	0.976	0.976	NO	37.78		0.379	37.78
89	89 PCB-124	5.76e3	1.62	NO	1.40	5.516	41.15	41.15	0.993	0.993	NO	10.17		0.212	10.17
90	90 PCB-107/109	1.37e4	1.61	NO	1.34	5.516	41.29	41.31	0.996	0.997	NO	25.22		0.221	25.22
91	91 PCB-123	2.34e3	1.49	NO	1.20	5.516	41.46	41.48	1.000	1.001	NO	4.814		0.247	4.814
92	92 PCB-106/118	1.43e5	1.54	NO	1.22	5.516	41.67	41.67	1.001	1.001	NO	283.2		0.241	283.2
93	93 PCB-114	2.87e3	1.45	NO	1.14	5.516	42.33	42.34	1.000	1.001	NO	4.496		0.343	4.496
94	94 PCB-122	1.59e3	1.52	NO	0.944	5.516	42.47	42.47	1.004	1.004	NO	3.012		0.415	3.012
95	95 PCB-105	5.09e4	1.58	NO	1.05	5.516	43.21	43.23	1.000	1.001	NO	85.73		0.370	85.73
96	96 PCB-127			NO	1.06	5.516	43.57		1.000		YES			0.348	

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
97	97 PCB-126	1.08e3	1.75	NO	1.17	5.516	45.52	45.54	1.000	1.001	NO	1.751		0.362	1.751
98	98 PCB-155			NO	1.04	5.516	37.00		1.000		YES			0.350	
99	99 PCB-150	5.90e2	1.28	NO	1.08	5.516	38.32	38.30	1.036	1.036	NO	2.714		0.337	2.714
100	1... PCB-152			NO	1.19	5.516	38.80		1.049		YES			0.308	
101	1... PCB-145			NO	1.19	5.516	39.27		1.062		YES			0.308	
102	1... PCB-136	1.91e4	1.29	NO	1.02	5.516	39.60	39.60	1.071	1.071	NO	93.01		0.358	93.01
103	1... PCB-148			NO	0.842	5.516	39.71		1.074		YES			0.434	
104	1... PCB-154	2.09e3	1.25	NO	0.919	5.516	40.22	40.22	1.088	1.088	NO	11.32		0.398	11.32
105	1... PCB-151	2.28e4	1.27	NO	0.787	5.516	40.88	40.87	1.105	1.105	NO	144.4		0.465	144.4
106	1... PCB-135	1.18e4	1.39	NO	0.922	5.516	41.09	41.09	1.111	1.111	NO	63.81		0.396	63.81
107	1... PCB-144	3.38e3	1.35	NO	0.789	5.516	41.20	41.22	1.114	1.115	NO	21.32		0.463	21.32
108	1... PCB-147	2.09e3	1.49	YES	0.834	5.516	41.33	41.35	1.118	1.118	NO	12.46		0.438	11.21
109	1... PCB-139/149	7.50e4	1.31	NO	0.948	5.516	41.62	41.61	1.125	1.125	NO	394.1		0.386	394.1
110	1... PCB-140	5.93e2	1.42	NO	0.794	5.516	41.80	41.80	1.130	1.130	NO	3.721		0.461	3.721
111	1... PCB-134/143	9.15e3	1.15	NO	0.759	5.516	42.28	42.28	0.975	0.975	NO	22.74		0.371	22.74
112	1... PCB-131/133	5.85e3	1.31	NO	0.821	5.516	42.58	42.57	0.982	0.982	NO	13.45		0.343	13.45
113	1... PCB-142			NO	0.754	5.516	42.72		0.985		YES			0.373	
114	1... PCB-146/165	4.03e4	1.22	NO	1.02	5.516	42.97	42.97	0.991	0.991	NO	74.72		0.277	74.72
115	1... PCB-132/161	5.90e4	1.23	NO	1.02	5.516	43.20	43.25	0.996	0.997	NO	108.6		0.275	108.6
116	1... PCB-153	2.32e5	1.25	NO	1.07	5.516	43.38	43.38	1.000	1.000	NO	408.8		0.263	408.8
117	1... PCB-168	4.94e2	1.17	NO	1.08	5.516	43.61	43.59	1.006	1.005	NO	0.8653		0.261	0.8653
118	1... PCB-141	3.51e4	1.29	NO	1.03	5.516	44.14	44.14	1.000	1.000	NO	75.86		0.331	75.86
119	1... PCB-137	5.91e3	1.09	NO	1.11	5.516	44.54	44.54	1.010	1.009	NO	11.79		0.306	11.79
120	1... PCB-130	1.00e4	1.35	NO	0.885	5.516	44.64	44.65	1.012	1.012	NO	25.09		0.384	25.09
121	1... PCB-138/163/164	2.37e5	1.22	NO	1.28	5.516	45.03	45.03	1.001	1.001	NO	398.5		0.257	398.5
122	1... PCB-158/160	2.13e4	1.21	NO	1.24	5.516	45.28	45.26	1.006	1.006	NO	37.17		0.266	37.17
123	1... PCB-129	4.73e3	1.31	NO	0.867	5.516	45.54	45.54	1.012	1.012	NO	11.79		0.381	11.79
124	1... PCB-166	6.58e2	1.39	NO	1.14	5.516	46.01	46.00	0.993	0.993	NO	1.024		0.241	1.024
125	1... PCB-159			NO	1.22	5.516	46.34		1.000		YES			0.227	
126	1... PCB-128/162	2.64e4	1.30	NO	0.907	5.516	46.63	46.62	1.007	1.007	NO	51.77		0.304	51.77
127	1... PCB-167	8.00e3	1.30	NO	1.11	5.516	47.04	47.04	1.000	1.000	NO	13.03		0.257	13.03
128	1... PCB-156	1.72e4	1.31	NO	1.13	5.516	48.39	48.39	1.000	1.000	NO	27.83		0.252	27.83
129	1... PCB-157	3.06e3	1.14	NO	1.04	5.516	48.67	48.65	1.001	1.000	NO	5.341		0.273	5.341

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	# 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	5.516	50.93		1.000		YES			0.276	
131	1... PCB-188	2.66e2	0.98	NO	1.29	5.516	43.02	43.02	1.001	1.001	NO	0.5080		0.214	0.5080
132	1... PCB-184	1.90e2	0.94	NO	1.23	5.516	43.45	43.48	1.011	1.011	NO	0.3811		0.224	0.3811
133	1... PCB-179	3.04e4	1.09	NO	1.30	5.516	44.28	44.28	1.030	1.030	NO	57.74		0.212	57.74
134	1... PCB-176	8.34e3	1.06	NO	1.31	5.516	44.74	44.75	1.041	1.041	NO	15.71		0.210	15.71
135	1... PCB-186			NO	1.33	5.516	45.37		1.055		YES			0.207	
136	1... PCB-178	1.16e4	0.97	NO	0.943	5.516	45.89	45.88	1.067	1.067	NO	30.44		0.292	30.44
137	1... PCB-175	1.97e3	1.04	NO	0.956	5.516	46.24	46.24	1.076	1.076	NO	5.083		0.288	5.083
138	1... PCB-182/187	7.15e4	1.03	NO	1.07	5.516	46.42	46.42	1.080	1.080	NO	165.4		0.258	165.4
139	1... PCB-183	2.75e4	0.99	NO	1.02	5.516	46.76	46.76	1.088	1.088	NO	66.28		0.269	66.28
140	1... PCB-185	5.59e3	0.93	NO	1.41	5.516	47.44	47.44	0.955	0.955	NO	13.65		0.281	13.65
141	1... PCB-174	4.92e4	0.99	NO	1.35	5.516	47.82	47.80	0.962	0.962	NO	124.8		0.292	124.8
142	1... PCB-181			NO	1.47	5.516	47.91		0.964		YES			0.268	
143	1... PCB-177	2.69e4	1.03	NO	1.28	5.516	48.08	48.08	0.968	0.968	NO	72.16		0.309	72.16
144	1... PCB-171	1.18e4	1.02	NO	1.32	5.516	48.38	48.39	0.974	0.974	NO	30.74		0.300	30.74
145	1... PCB-173	8.27e2	1.25	YES	1.19	5.516	48.82	48.82	0.983	0.982	NO	2.395		0.302	2.173
146	1... PCB-172	7.54e3	1.13	NO	1.38	5.516	49.30	49.29	0.992	0.992	NO	18.81		0.287	18.81
147	1... PCB-192			NO	1.83	5.516	49.48		0.996		YES			0.216	
148	1... PCB-180	1.06e5	1.08	NO	1.41	5.516	49.71	49.71	1.000	1.000	NO	258.6		0.280	258.6
149	1... PCB-193	6.92e3	0.99	NO	1.68	5.516	49.92	49.92	1.005	1.005	NO	14.17		0.236	14.17
150	1... PCB-191	2.22e3	1.10	NO	1.71	5.516	50.18	50.19	1.010	1.010	NO	4.466		0.231	4.466
151	1... PCB-170	3.73e4	1.00	NO	1.40	5.516	51.38	51.38	1.000	1.000	NO	106.0		0.316	106.0
152	1... PCB-190	1.03e4	0.98	NO	1.85	5.516	51.57	51.59	1.004	1.004	NO	22.10		0.239	22.10
153	1... PCB-189	1.78e3	1.16	NO	1.45	5.516	53.11	53.10	1.000	1.000	NO	3.880		0.215	3.880
154	1... PCB-202	5.41e3	1.00	NO	1.17	5.516	48.61	48.61	1.001	1.001	NO	16.97		0.175	16.97
155	1... PCB-201	2.96e3	0.85	NO	1.05	5.516	49.10	49.11	1.011	1.011	NO	10.29		0.194	10.29
156	1... PCB-204			NO	1.14	5.516	49.25		1.014		YES			0.179	
157	1... PCB-197	1.08e3	0.85	NO	1.13	5.516	49.57	49.56	1.020	1.020	NO	3.494		0.180	3.494
158	1... PCB-200	3.13e3	1.05	YES	1.07	5.516	50.50	50.51	1.040	1.040	NO	19.72		0.191	9.889
159	1... PCB-198	7.68e2	0.78	NO	0.794	5.516	52.08	52.08	1.072	1.072	NO	3.544		0.257	3.544
160	1... PCB-199	1.84e4	0.89	NO	0.809	5.516	52.18	52.19	1.074	1.075	NO	83.29		0.252	83.29
161	1... PCB-196/203	1.95e4	0.90	NO	0.838	5.516	52.50	52.50	1.081	1.081	NO	85.44		0.244	85.44
162	1... PCB-195	6.17e3	0.89	NO	1.04	5.516	53.80	53.79	0.984	0.983	NO	22.07		0.376	22.07

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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	1.61e4	0.84	NO	1.12	5.516	54.72	54.72	1.000	1.000	NO	53.99		0.352	53.99
164	1... PCB-205	6.22e2	0.79	NO	1.29	5.516	54.98	54.99	1.005	1.005	NO	1.803		0.305	1.803
165	1... PCB-208	4.46e3	1.30	NO	0.933	5.516	53.94	53.96	1.000	1.001	NO	11.42		0.208	11.42
166	1... PCB-207	1.90e3	1.08	YES	0.916	5.516	54.26	54.28	1.006	1.007	NO	4.954		0.212	4.496
167	1... PCB-206	1.05e4	1.31	NO	1.01	5.516	56.24	56.24	1.000	1.000	NO	39.42		0.298	39.42
168	1... PCB-209	1.15e4	1.24	NO	0.986	5.516	57.47	57.48	1.000	1.000	NO	40.52		0.132	40.52
169	1... 13C-PCB-1	1.33e6	3.18	NO	0.893	5.516	15.52	15.53	0.608	0.608	NO	1696	93.6	1.57	
170	1... 13C-PCB-3	1.47e6	3.18	NO	0.911	5.516	18.17	18.18	0.712	0.712	NO	1839	101	1.54	
171	1... 13C-PCB-4	8.89e5	1.57	NO	0.600	5.516	19.52	19.52	0.765	0.765	NO	1686	93.0	0.656	
172	1... 13C-PCB-9	1.49e6	1.57	NO	0.970	5.516	21.35	21.35	0.836	0.836	NO	1755	96.8	0.406	
173	1... 13C-PCB-11	1.55e6	1.55	NO	0.962	5.516	24.79	24.81	0.971	0.972	NO	1833	101	0.409	
174	1... 13C-PCB-19	8.36e5	1.05	NO	0.499	5.516	23.76	23.76	0.931	0.931	NO	1907	105	11.3	
175	1... 13C-PCB-32	1.27e6	1.06	NO	0.744	5.516	26.75	26.75	1.048	1.048	NO	1941	107	7.57	
176	1... 13C-PCB-28	1.39e6	1.04	NO	1.06	5.516	28.77	28.75	1.004	1.003	NO	1643	90.6	6.00	
177	1... 13C-PCB-37	1.41e6	1.01	NO	0.989	5.516	32.75	32.77	1.143	1.143	NO	1790	98.7	6.46	
178	1... 13C-PCB-54	1.15e6	0.77	NO	0.999	5.516	27.62	27.60	0.753	0.752	NO	1664	91.8	1.29	
179	1... 13C-PCB-52	9.80e5	0.78	NO	0.804	5.516	31.26	31.26	0.852	0.852	NO	1764	97.3	1.60	
180	1... 13C-PCB-47	1.03e6	0.78	NO	0.857	5.516	31.78	31.78	0.866	0.867	NO	1733	95.6	1.50	
181	1... 13C-PCB-70	1.24e6	0.79	NO	0.996	5.516	35.41	35.40	0.965	0.965	NO	1801	99.4	1.29	
182	1... 13C-PCB-80	1.29e6	0.80	NO	1.03	5.516	35.84	35.84	0.977	0.977	NO	1812	100	1.25	
183	1... 13C-PCB-81	1.29e6	0.79	NO	0.988	5.516	39.04	39.04	1.064	1.064	NO	1892	104	1.30	
184	1... 13C-PCB-77	1.24e6	0.79	NO	0.969	5.516	39.66	39.66	1.081	1.081	NO	1852	102	1.33	
185	1... 13C-PCB-104	7.38e5	1.61	NO	1.02	5.516	32.46	32.46	0.827	0.827	NO	1726	95.2	0.982	
186	1... 13C-PCB-95	5.80e5	1.64	NO	0.805	5.516	35.71	35.71	0.910	0.910	NO	1713	94.5	1.24	
187	1... 13C-PCB-101	5.90e5	1.66	NO	0.793	5.516	37.46	37.46	0.954	0.954	NO	1770	97.6	1.26	
188	1... 13C-PCB-97	5.38e5	1.63	NO	0.696	5.516	38.80	38.80	0.989	0.989	NO	1838	101	1.43	
189	1... 13C-PCB-123	7.35e5	1.63	NO	0.933	5.516	41.44	41.44	1.056	1.056	NO	1874	103	1.07	
190	1... 13C-PCB-118	7.51e5	1.65	NO	0.986	5.516	41.63	41.63	1.061	1.061	NO	1811	99.9	1.01	
191	1... 13C-PCB-114	1.02e6	1.56	NO	1.55	5.516	42.30	42.31	0.908	0.908	NO	1693	93.4	0.989	
192	1... 13C-PCB-105	1.02e6	1.55	NO	1.57	5.516	43.19	43.19	0.927	0.927	NO	1680	92.7	0.973	
193	1... 13C-PCB-127	1.07e6	1.52	NO	1.62	5.516	43.55	43.56	0.934	0.935	NO	1692	93.4	0.941	
194	1... 13C-PCB-126	9.53e5	1.55	NO	1.57	5.516	45.51	45.51	0.976	0.976	NO	1567	86.4	0.975	
195	1... 13C-PCB-155	3.64e5	1.38	NO	0.615	5.516	36.98	36.98	0.942	0.942	NO	1409	77.7	0.329	

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#	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	9.61e5	1.28	NO	1.36	5.516	43.36	43.37	0.930	0.930	NO	1816	100	1.18	
197	1... 13C-PCB-141	8.18e5	1.27	NO	1.13	5.516	44.13	44.12	0.947	0.947	NO	1870	103	1.43	
198	1... 13C-PCB-138	8.39e5	1.28	NO	1.18	5.516	44.99	44.99	0.965	0.965	NO	1825	101	1.36	
199	1... 13C-PCB-159	1.02e6	1.26	NO	1.44	5.516	46.32	46.32	0.994	0.994	NO	1825	101	1.12	
200	2... 13C-PCB-167	1.00e6	1.26	NO	1.44	5.516	47.02	47.02	1.009	1.009	NO	1797	99.1	1.12	
201	2... 13C-PCB-156	9.96e5	1.25	NO	1.40	5.516	48.34	48.37	1.037	1.038	NO	1839	101	1.15	
202	2... 13C-PCB-157	1.00e6	1.26	NO	1.40	5.516	48.63	48.63	1.043	1.043	NO	1848	102	1.15	
203	2... 13C-PCB-169	9.21e5	1.28	NO	1.33	5.516	50.91	50.91	1.092	1.092	NO	1784	98.4	1.21	
204	2... 13C-PCB-188	7.35e5	0.46	NO	1.41	5.516	42.98	42.99	0.926	0.926	NO	1830	101	0.866	
205	2... 13C-PCB-180	5.28e5	0.45	NO	0.929	5.516	49.67	49.69	1.070	1.071	NO	1995	110	1.31	
206	2... 13C-PCB-170	4.56e5	0.45	NO	0.794	5.516	51.35	51.36	1.106	1.107	NO	2013	111	1.54	
207	2... 13C-PCB-189	5.72e5	0.45	NO	1.04	5.516	53.09	53.08	1.144	1.144	NO	1920	106	1.17	
208	2... 13C-PCB-202	4.95e5	0.94	NO	1.04	5.516	48.57	48.58	1.046	1.047	NO	1676	92.4	0.689	
209	2... 13C-PCB-194	4.85e5	0.89	NO	0.768	5.516	54.71	54.70	0.995	0.995	NO	2244	124	2.09	
210	2... 13C-PCB-208	7.60e5	0.79	NO	0.991	5.516	53.93	53.93	0.981	0.981	NO	2724	150	1.82	
211	2... 13C-PCB-206	4.77e5	0.76	NO	0.552	5.516	56.22	56.22	1.023	1.023	NO	3069	169	3.27	
212	2... 13C-PCB-209	5.20e5	1.19	NO	0.396	5.516	57.48	57.47	1.046	1.046	NO	4655	257	0.869	
213	2... 13C-PCB-15	1.59e6	1.54	NO	1.00	5.516	25.51	25.53	1.000	0.000	NO	1813	100	0.393	
214	2... 13C-PCB-31	1.45e6	1.02	NO	1.00	5.516	28.64	28.66	1.000	0.000	NO	1813	100	6.39	
215	2... 13C-PCB-60	1.25e6	0.79	NO	1.00	5.516	36.66	36.68	1.000	0.000	NO	1813	100	1.29	
216	2... 13C-PCB-111	7.62e5	1.68	NO	1.00	5.516	39.23	39.25	1.000	0.000	NO	1813	100	0.999	
217	2... 13C-PCB-128	7.03e5	1.28	NO	1.00	5.516	46.59	46.60	1.000	0.000	NO	1813	100	1.61	
218	2... 13C-PCB-182	5.17e5	0.45	NO	1.00	5.516	46.40	46.42	0.000	0.000	NO	1813	100	1.22	
219	2... 13C-PCB-205	5.10e5	0.89	NO	1.00	5.516	54.97	54.97	1.000	0.000	NO	1813	100	1.60	
220	2... 13C-PCB-79	1.36e6	0.78	NO	1.07	5.516	37.78	37.78	1.030	1.030	NO	1846	102	1.20	
221	2... 13C-PCB-178	5.15e5	0.44	NO	0.766	5.516	45.86	45.87	0.988	0.988	NO	1731	95.5	1.14	
222	2... 13C-PCB-79	1.36e6	0.78	NO	1.08	5.516	37.78	37.78	0.968	0.968	NO	1769	97.6	1.17	
223	2... 13C-PCB-178	5.15e5	0.44	NO	1.05	5.516	45.87	45.87	0.923	0.923	NO	1681	92.7	1.12	
224	2... Total Mono-PCBs				1.17	5.516	0.00		0.000		NO	21.62		0.595	21.62
225	2... Total Di-PCBs				1.05	5.516	0.00		0.000		NO	99.39		7.99	113.8
226	2... 2nd Function Tri-PCBs				1.08	5.516	0.00		0.000		NO	239.7		3.15	239.7
227	2... 3rd Function Tri-PCBs				0.983	5.516	0.00		0.000		NO	504.9		7.37	506.5
228	2... Total Tetra-PCBs				1.08	5.516	0.00		0.000		NO	2044		7.60	2047

744.6

746.2

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#	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	5.516	0.00		0.000		NO	2259	>2653.99	8.18	2260
230	2... 4th Function Penta-PCBs				1.07	5.516	0.00		0.000		NO	94.99		1.84	94.99
231	2... 3rd Function Hexa-PCBs				0.951	5.516	0.00		0.000		NO	734.4	>2022.4	5.10	745.6
232	2... 4th Function Hexa-PCBs				1.03	5.516	0.00		0.000		NO	1288		5.92	1288
233	2... Total Hepta-PCBs				1.36	5.516	0.00		0.000		NO	1011		5.98	1013
234	2... 4th Function Octa-PCBs				1.00	5.516	0.00		0.000		NO	203.0	>280.86	1.67	212.5
235	2... 5th Function Octa-PCBs				1.15	5.516	0.00		0.000		NO	77.86		1.03	77.86
236	2... Total Nona-PCBs				0.952	5.516	0.00		0.000		NO	50.83		0.718	55.33
237	2... Deca-CB				0.986	5.516	0.00		0.000		NO	40.52		0.132	40.52
238	2... Total PCBs														

07/08/2020

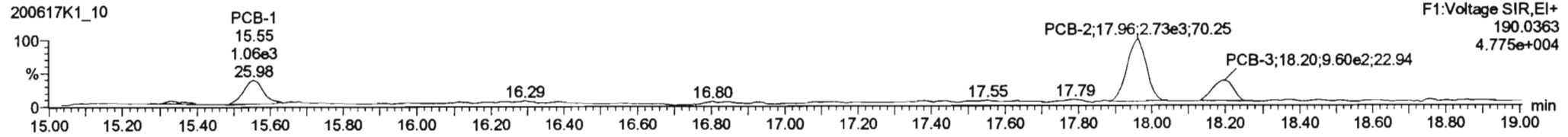
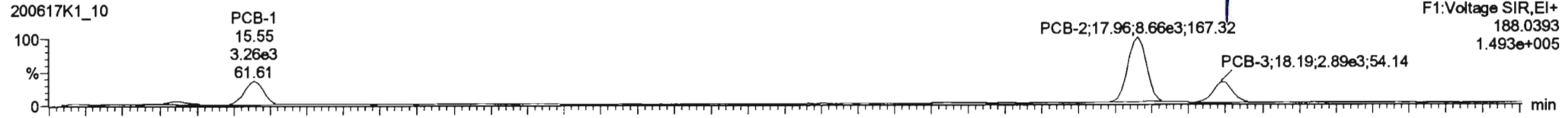
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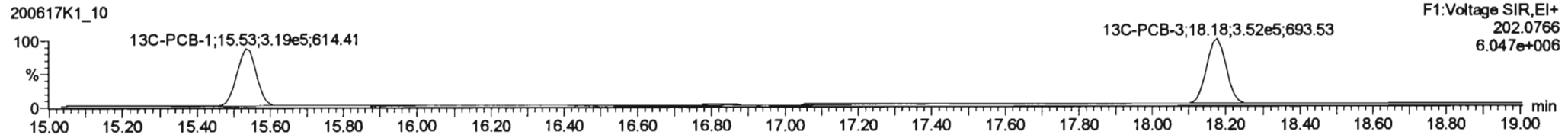
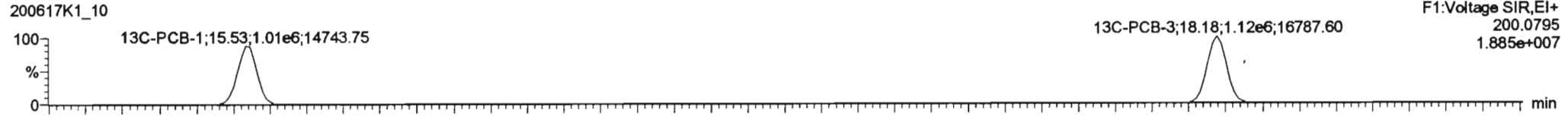
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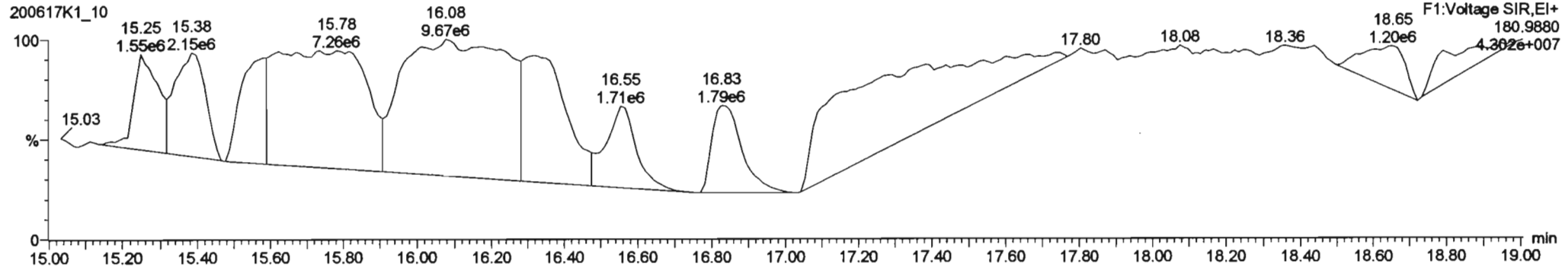
**PCB-1**



**13C-PCB-1**

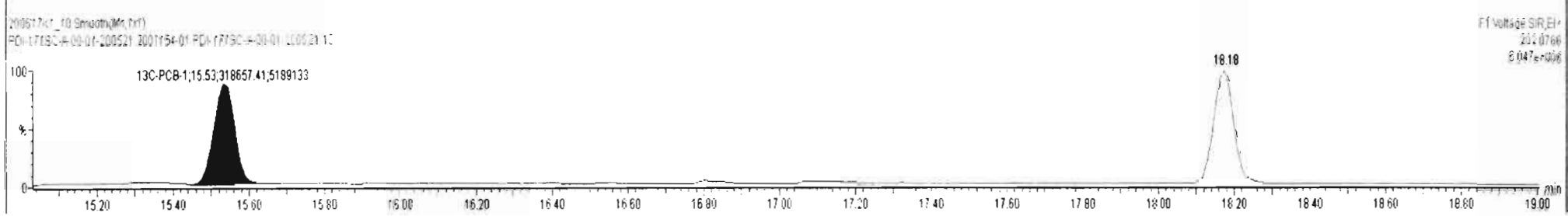
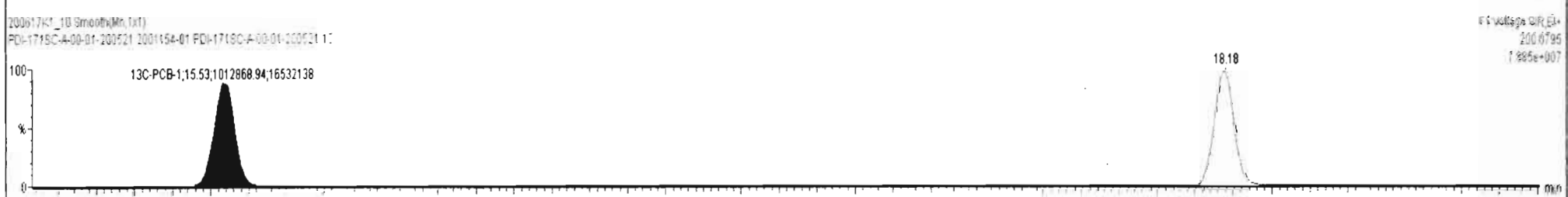
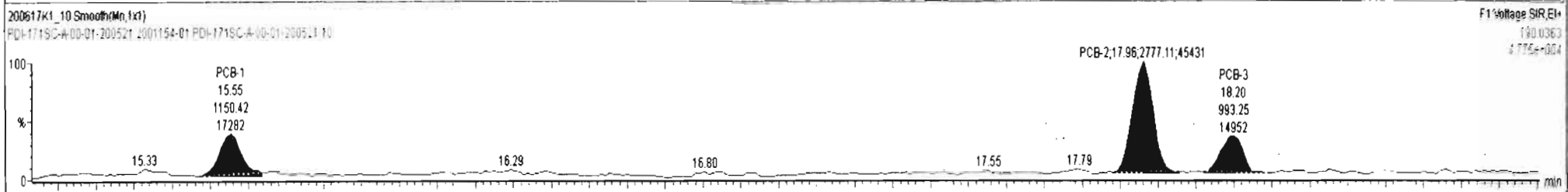
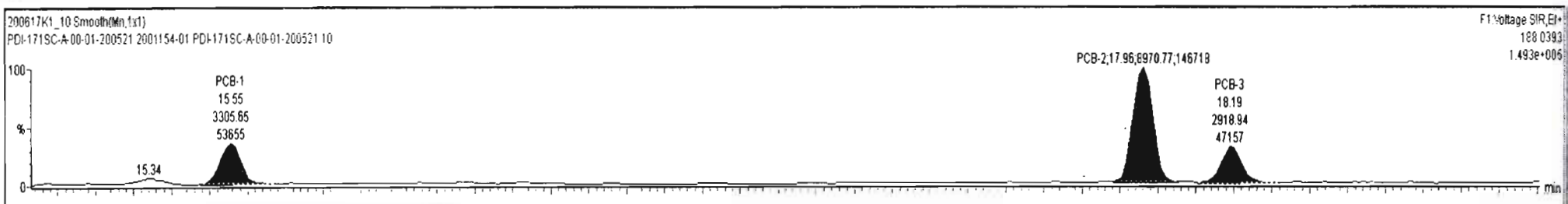


**PFK1**



#	Name	Resp	RA	n/y	RRF	wA/d	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.1665	5.516	0.00		0.000		NO	21.62		0.595	21.62
225	Total Di-PCBs				1.0537	5.516	0.00		0.000		NO	96.12		7.99	113.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-1	15.54	15.55	3.306e3	1.150e3	3.130	2.87	NO	5.1930	5.1930
2	PCB-2	17.96	17.96	8.971e3	2.777e3	3.130	3.23	NO	12.230	12.230
3	PCB-3	18.19	18.19	2.919e3	9.933e2	3.130	2.94	NO	4.1951	4.1951

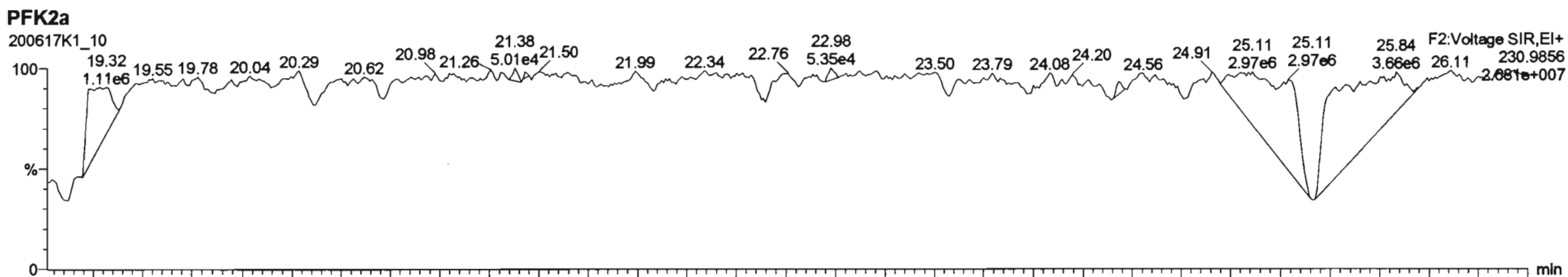
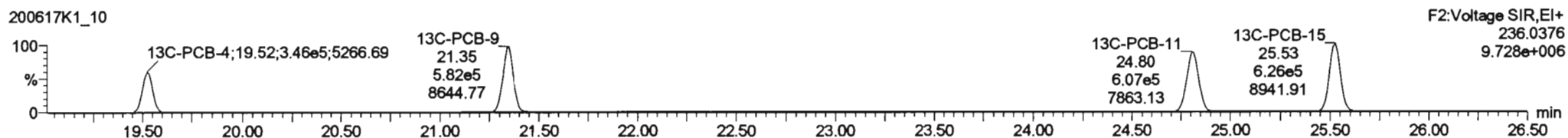
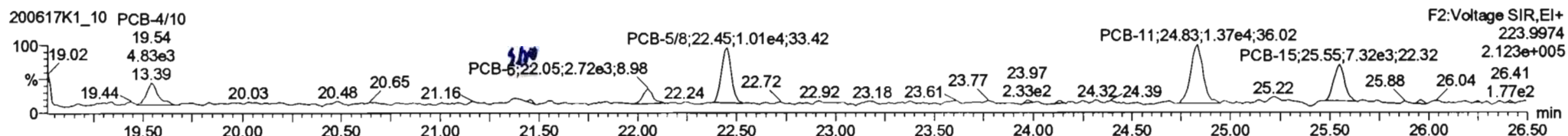
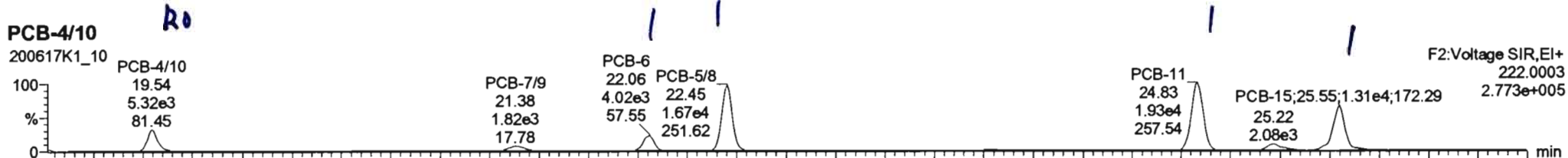




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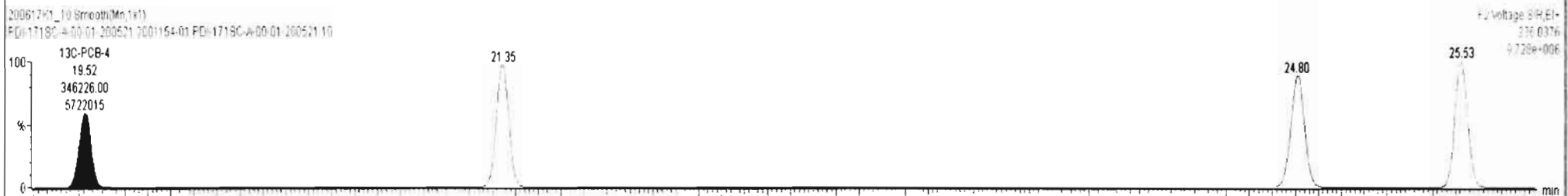
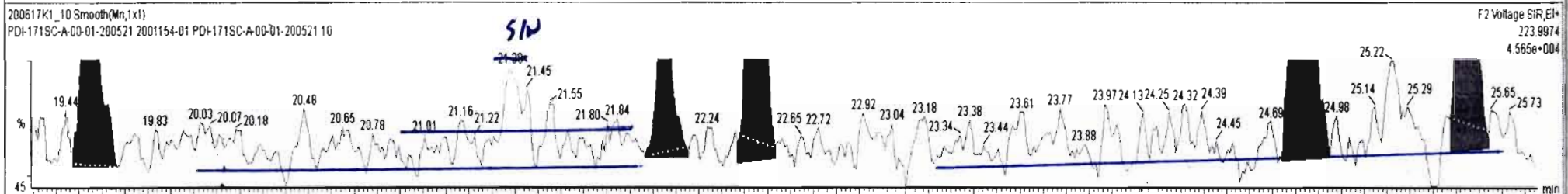
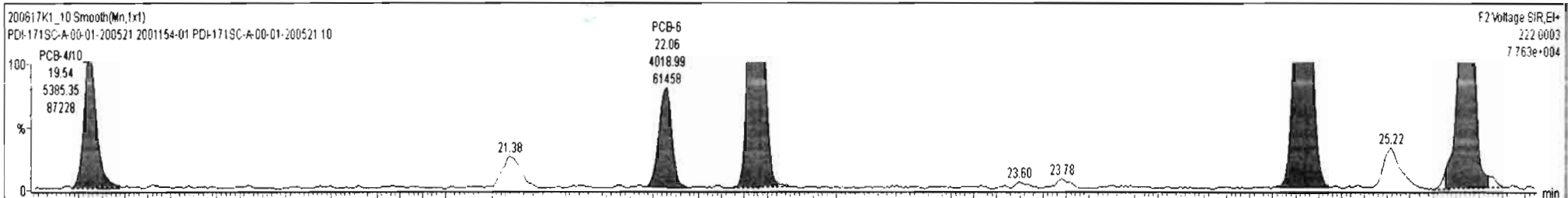
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#	Name	Resp	RA	n/y	RRF	w/val	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.516	0.00		0.000		NO	21.62		0.595	21.62
225	225 Total Di-PCBs				1.0537	5.516	0.00		0.000		NO	99.99		7.99	113.8

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	4 PCB-4/10	19.60	19.54	5.385e3	4.871e3	1.560	1.11	YES	14.444	0.00000
2	6 PCB-6	22.06	22.06	4.019e3	2.913e3	1.560	1.38	NO	8.2136	8.2136
3	7 PCB-5/8	22.46	22.45	1.658e4	1.074e4	1.560	1.54	NO	33.381	33.381
4	9 PCB-11	24.83	24.83	1.835e4	1.368e4	1.560	1.41	NO	34.315	34.315
5	11 PCB-15	25.58	25.55	1.260e4	8.156e3	1.560	1.55	NO	23.480	23.480



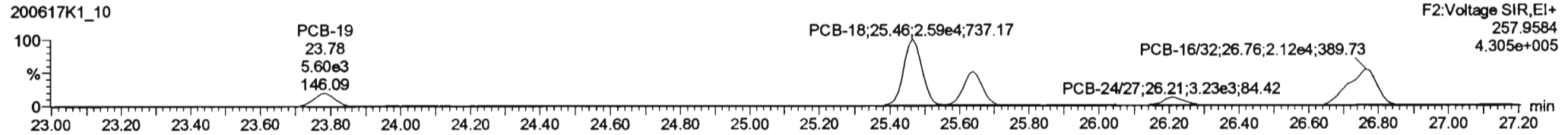
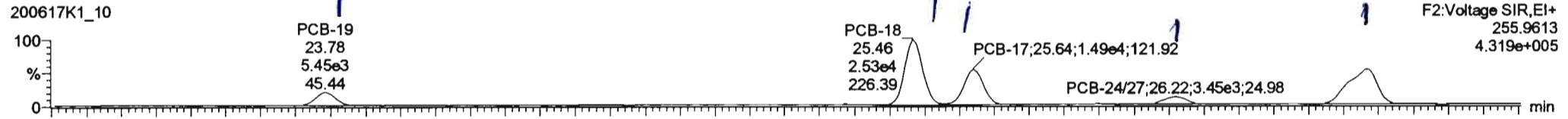
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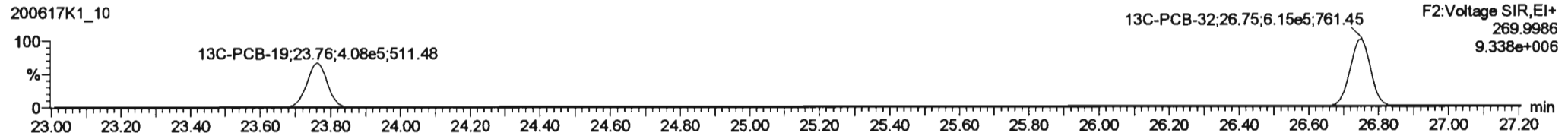
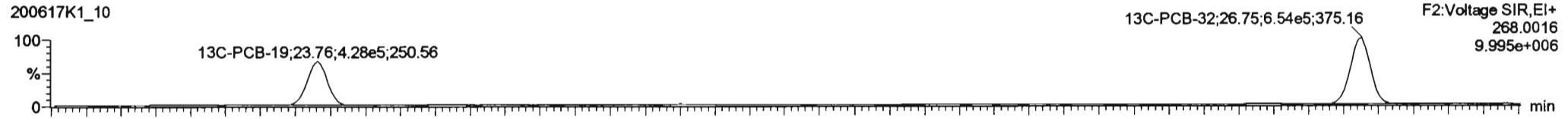
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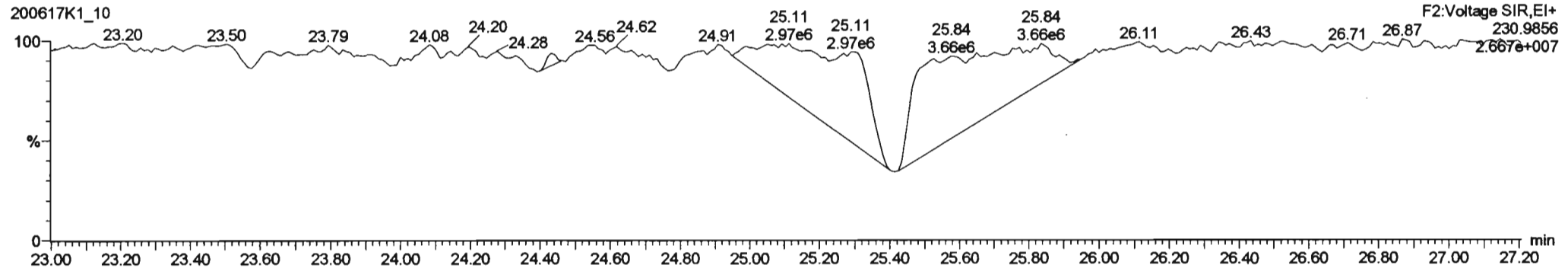
**PCB-19**



**13C-PCB-19**



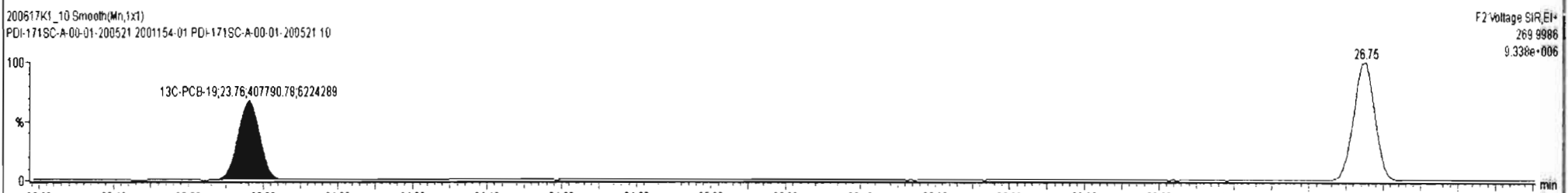
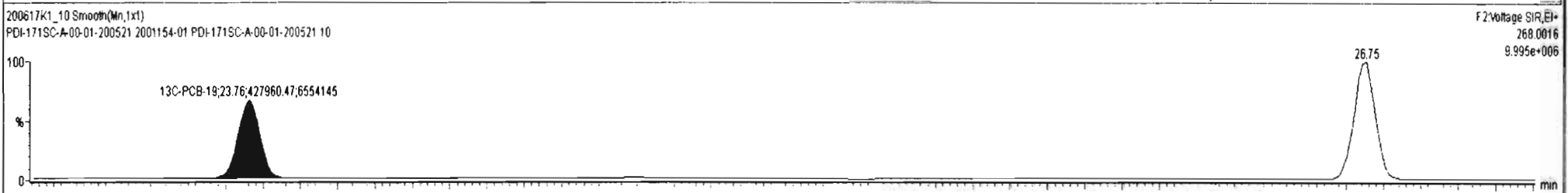
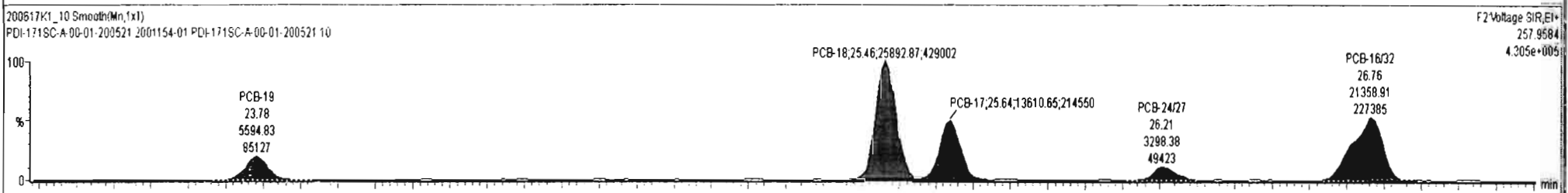
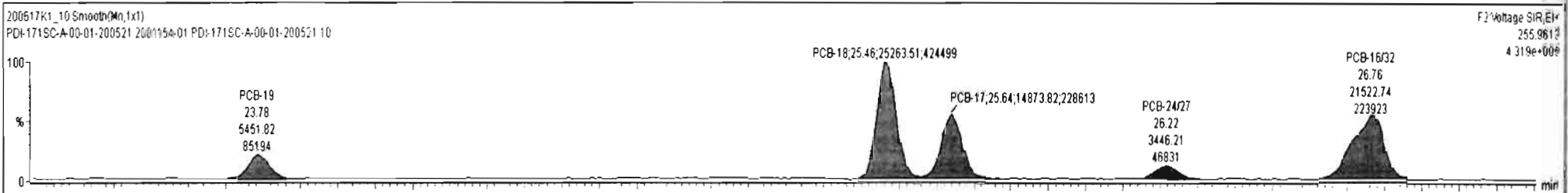
**PFK2b**



200617K1\_10 - 2001154-01 PD-171SC-A-00-01-200521 10 - PD-171SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wtAwt	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				1.0807	5.516	0.00		0.000		NO	239.7		3.15	239.7
227	227 3rd Function Tri-PCBs				0.9628	5.516	0.00		0.000		NO	501.8		7.37	505.5
228	228 Total Tetra-PCBs				1.0778	5.516	0.00		0.000		NO	2038		7.60	2049

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	12 PCB-19	23.79	23.78	5.452e3	5.595e3	1.040	0.97	NO	21.660	21.660
2	14 PCB-18	25.46	25.46	2.526e4	2.589e4	1.040	0.98	NO	89.354	89.354
3	15 PCB-17	25.63	25.64	1.487e4	1.361e4	1.040	1.09	NO	53.646	53.646
4	16 PCB-24/27	26.25	26.22	3.446e3	3.298e3	1.040	1.04	NO	8.9028	8.9028
5	17 PCB-16/32	26.77	26.76	2.152e4	2.136e4	1.040	1.01	NO	66.183	66.183

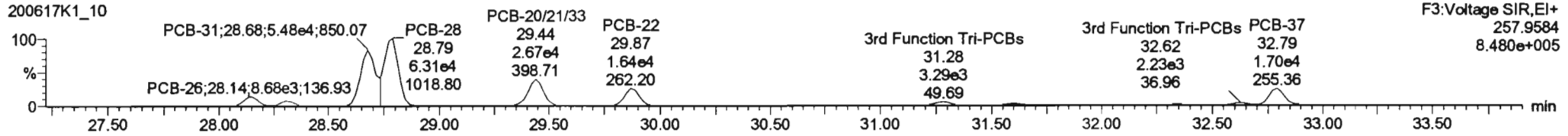
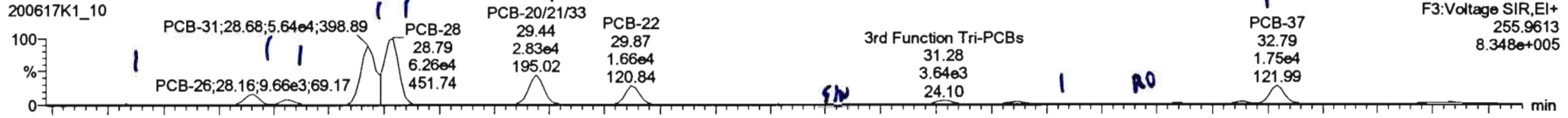


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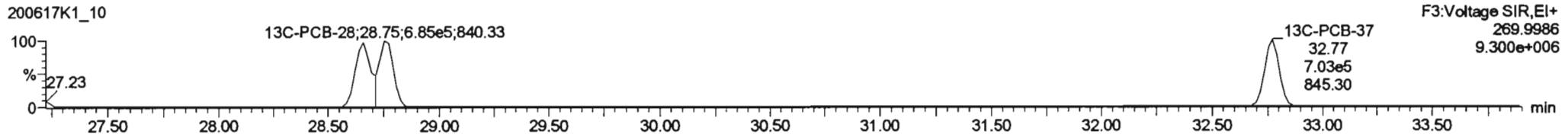
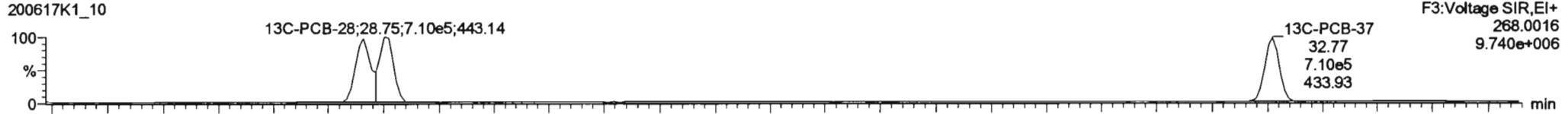
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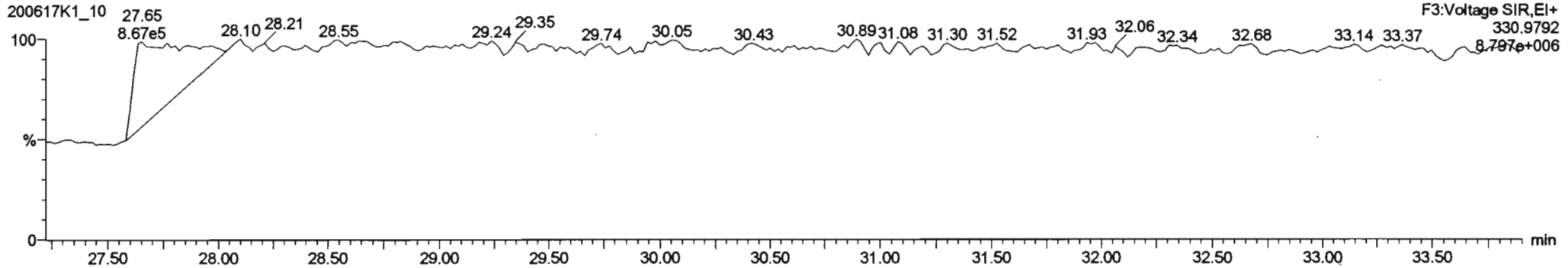
**PCB-34**



**13C-PCB-28**

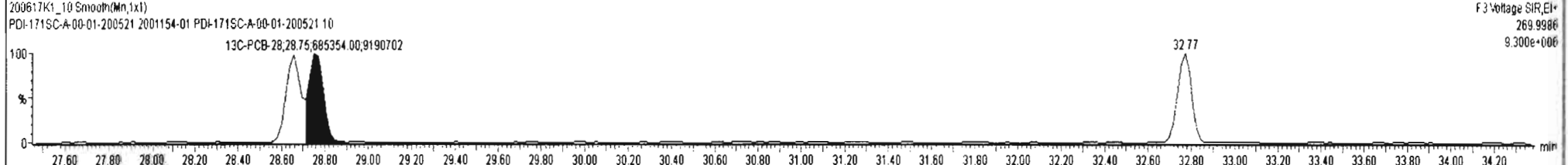
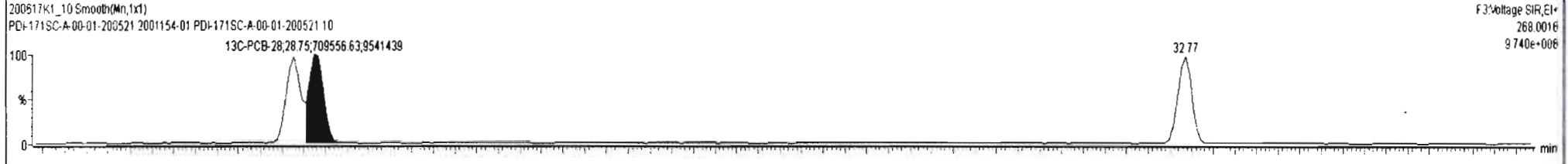
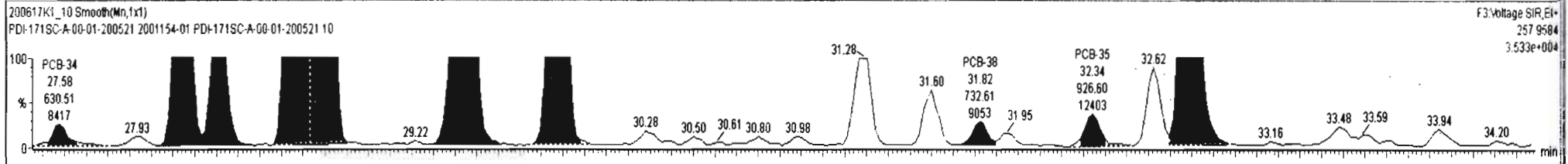
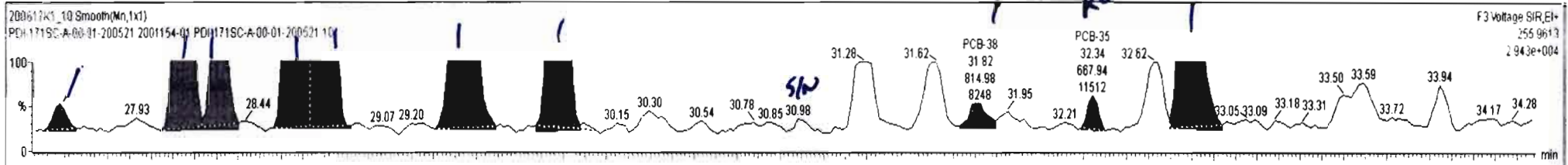


**PFK3d**



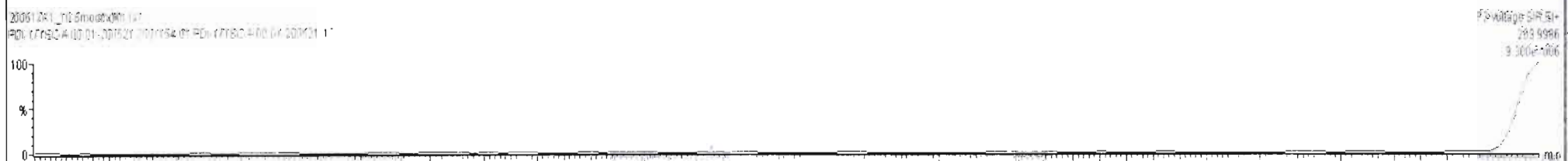
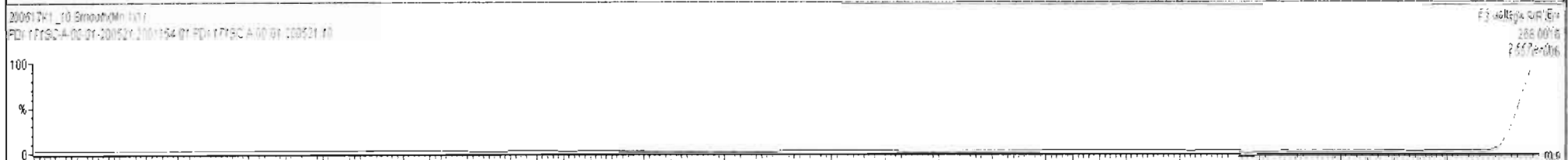
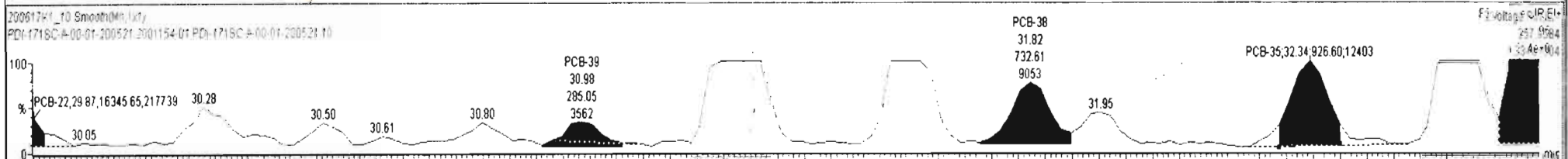
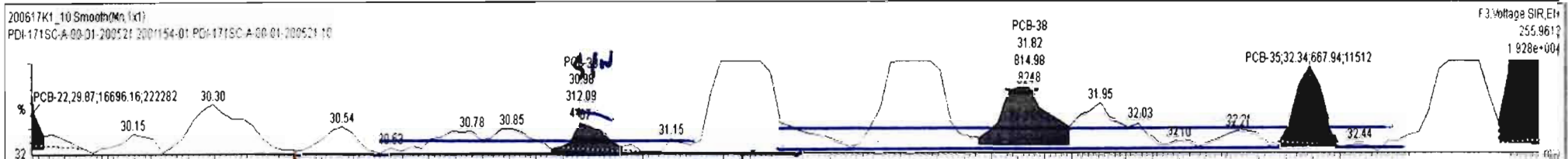
#	Name	Resp	RA	nly	RRF	wAwt	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				1.0807	5.516	0.00		0.000		NO	239.7		3.15	239.7
227	227 3rd Function Tri-PCBs				0.9828	5.516	0.00		0.000		NO	504.9		7.37	506.5
228	228 Total Tetra-PCBs				1.0778	5.516	0.00		0.000		NO	2038		7.60	2049

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
1	18 PCB-34	27.56	27.58	6.814e2	6.305e2	1.040	1.08	NO	1.8033	1.8033
2	21 PCB-26	28.14	28.16	9.707e3	8.678e3	1.040	1.12	NO	25.313	25.313
3	22 PCB-25	28.29	28.31	4.485e3	4.423e3	1.040	1.01	NO	12.187	12.187
4	23 PCB-31	28.66	28.68	5.541e4	5.487e4	1.040	1.03	NO	139.56	139.56
5	24 PCB-28	28.77	28.79	6.270e4	6.324e4	1.040	0.99	NO	159.68	159.68
6	25 PCB-20/21/33	29.41	29.44	2.845e4	2.670e4	1.040	1.07	NO	76.148	76.148
7	26 PCB-22	29.85	29.87	1.670e4	1.635e4	1.040	1.02	NO	44.141	44.141
8	29 PCB-38	31.80	31.82	8.150e2	7.326e2	1.040	1.11	NO	1.8882	1.8882
9	30 PCB-35	32.34	32.34	6.679e2	9.266e2	1.040	0.72	YES	1.6111	0.00000
10	31 PCB-37	32.79	32.79	1.767e4	1.705e4	1.040	1.04	NO	44.162	44.162



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				1.0807	5.516	0.00		0.000		NO	239.7		3.15	239.7
227	227 3rd Function Tri-PCBs				0.9828	5.516	0.00		0.000		NO	505.7		7.37	507.3
228	228 Total Tetra-PCBs				1.0778	5.516	0.00		0.000		NO	2038		7.60	2049

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	18 PCB-34	27.56	27.58	6.814e2	6.305e2	1.040	1.08	NO	1.8033	1.8033
2	21 PCB-26	28.14	28.16	9.707e3	8.678e3	1.040	1.12	NO	25.313	25.313
3	22 PCB-25	28.29	28.31	4.485e3	4.423e3	1.040	1.01	NO	12.187	12.187
4	23 PCB-31	28.66	28.68	5.641e4	5.487e4	1.040	1.03	NO	139.56	139.56
5	24 PCB-28	28.77	28.79	6.270e4	6.324e4	1.040	0.99	NO	159.68	159.68
6	25 PCB-20/21/33	29.41	29.44	2.845e4	2.670e4	1.040	1.07	NO	76.148	76.148
7	26 PCB-22	29.85	29.87	1.670e4	1.635e4	1.040	1.02	NO	44.141	44.141
8	28 PCB-39	31.00	30.98	3.121e2	2.850e2	1.040	1.09	NO	0.77546	0.77546
9	29 PCB-38	31.80	31.82	8.150e2	7.326e2	1.040	1.11	NO	1.8882	1.8882
10	30 PCB-35	32.34	32.34	6.679e2	9.266e2	1.040	0.72	YES	1.6111	0.00000
11	31 PCB-37	32.79	32.79	1.767e4	1.705e4	1.040	1.04	NO	44.162	44.162

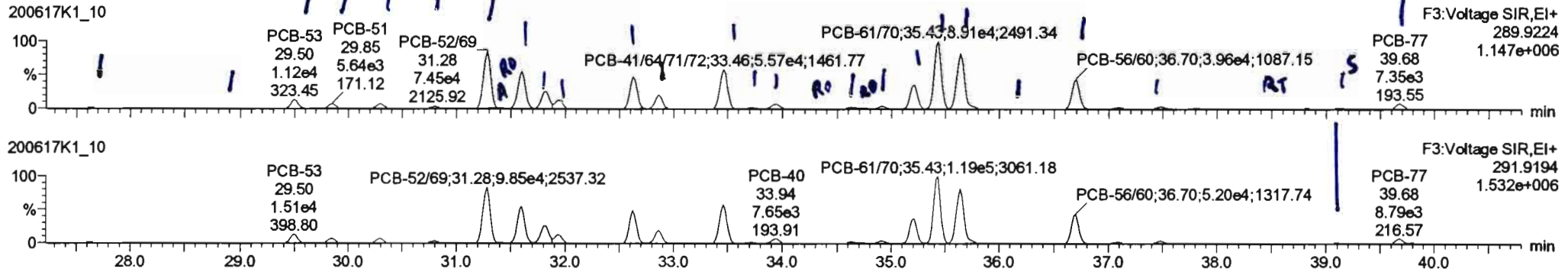


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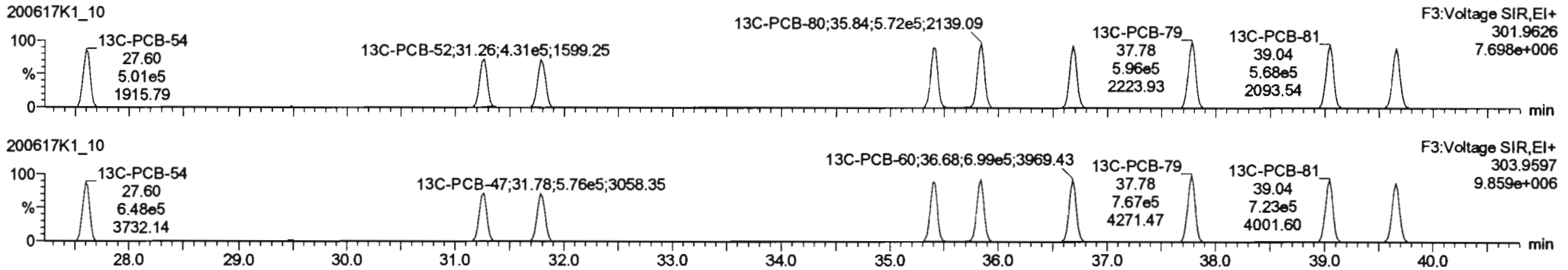
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 Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_10, Date: 17-Jun-2020, Time: 22:25:35, ID: 2001154-01 PDI-171SC-A-00-01-200521 10, Description: PDI-171SC-A-00-01-200521

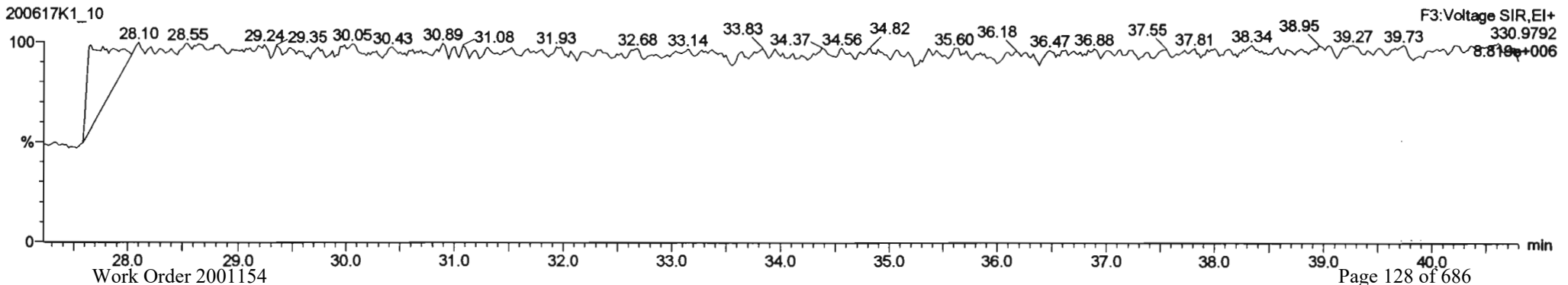
**PCB-54**



**13C-PCB-54**



**PFK3a**





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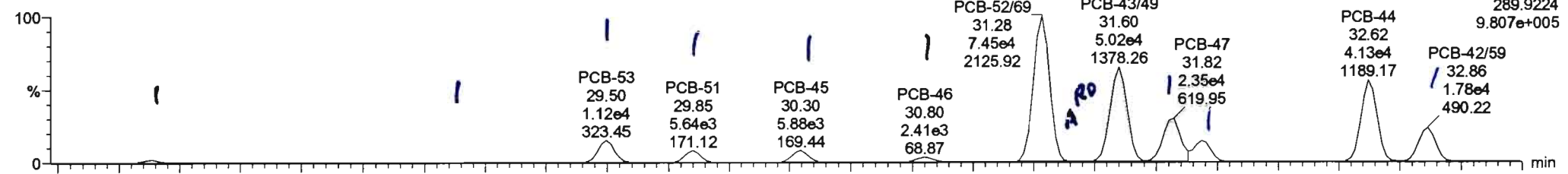
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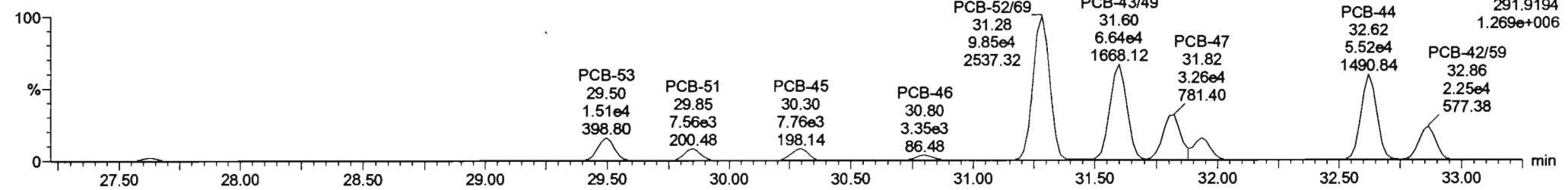
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**PCB-50**

200617K1\_10

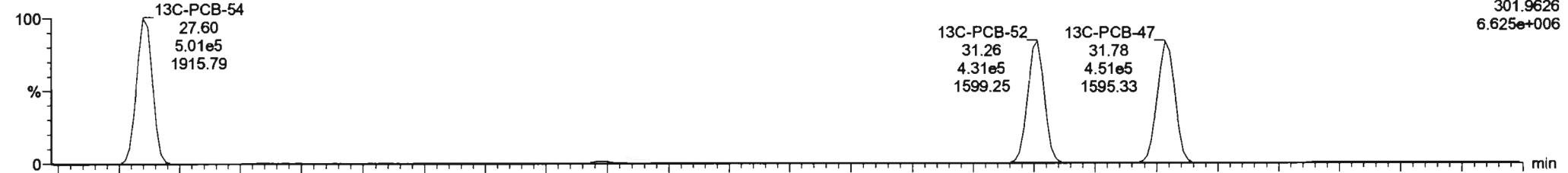


200617K1\_10

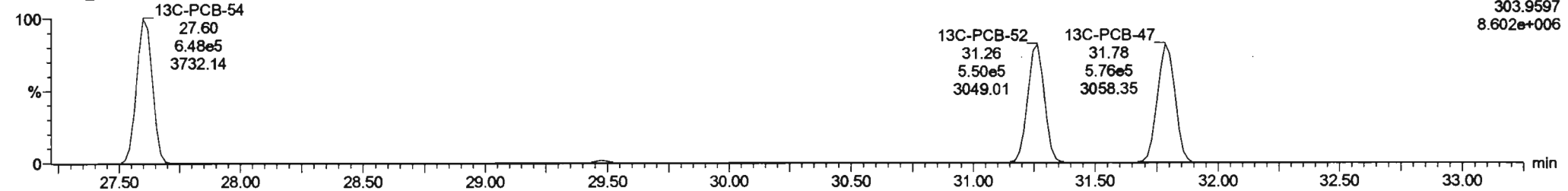


**13C-PCB-52**

200617K1\_10



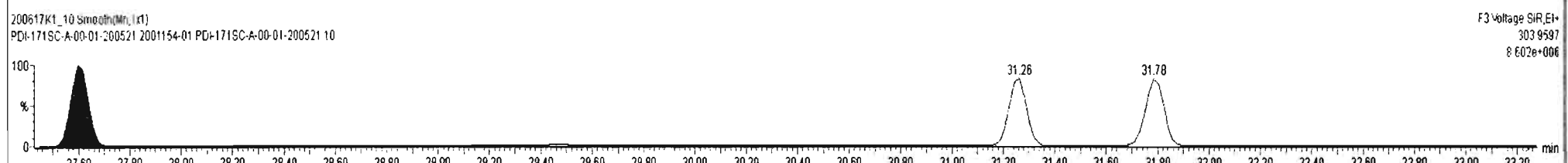
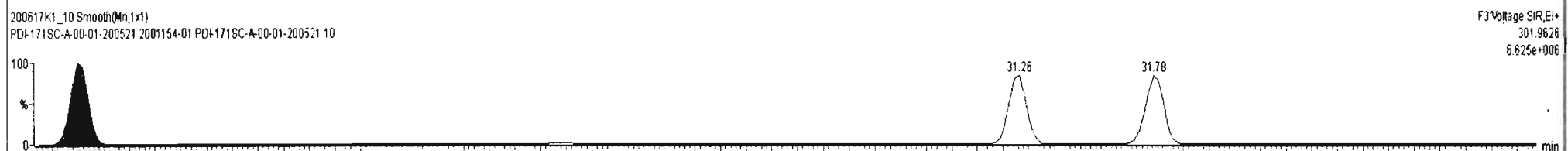
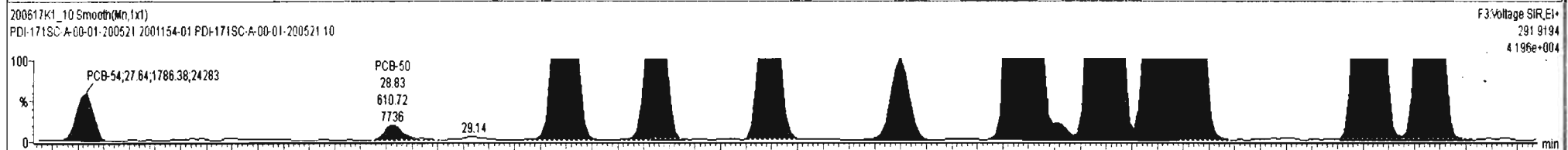
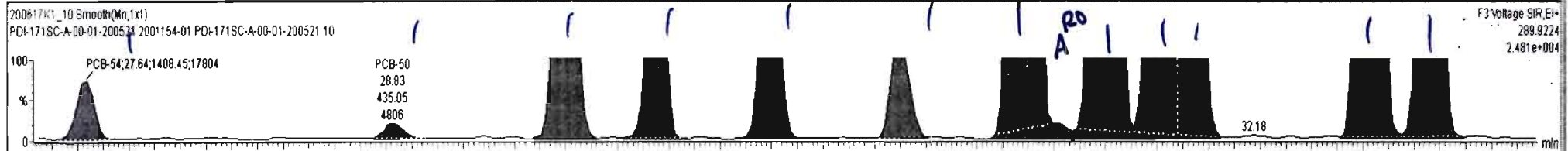
200617K1\_10



200617K1\_10 - 2001154-01 - PD-171SC-A-00-01-200521-10 - PD-171SC-A-00-01-200521-10

#	Name	Resp	RA	nly	RRF	wt/rol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				1.0807	5.516	0.00		0.000		NO	239.7		3.15	239.7
227	227 3rd Function Tri-PCBs				0.9828	5.516	0.00		0.000		NO	504.9		7.37	506.5
228	228 Total Tetra-PCBs				1.0778	5.516	0.00		0.000		NO	2045		7.60	2054

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	32 PCB-54	27.62	27.64	1.408e3	1.786e3	0.770	0.79	NO	4.6675	4.6675
2	33 PCB-50	28.81	28.83	4.350e2	6.107e2	0.770	0.71	NO	1.8757	1.8757
3	34 PCB-53	29.51	29.50	1.120e4	1.507e4	0.770	0.74	NO	48.737	48.737
4	35 PCB-51	29.85	29.85	5.697e3	7.644e3	0.770	0.75	NO	23.161	23.161
5	36 PCB-45	30.30	30.30	5.879e3	7.811e3	0.770	0.75	NO	29.494	29.494
6	37 PCB-46	30.80	30.80	2.483e3	3.348e3	0.770	0.74	NO	12.982	12.982
7	38 PCB-52/68	31.30	31.28	7.515e4	9.847e4	0.770	0.76	NO	275.24	275.24
8	39 PCB-73	31.41	31.39	2.835e2	4.703e2	0.770	0.60	YES	0.83519	0.00000
9	40 PCB-43/49	31.59	31.60	5.086e4	6.643e4	0.770	0.77	NO	213.47	213.47
10	41 PCB-47	31.80	31.82	2.377e4	3.263e4	0.770	0.73	NO	108.04	108.04
11	42 PCB-48/75	31.92	31.93	1.172e4	1.515e4	0.770	0.77	NO	42.356	42.356
12	45 PCB-44	32.64	32.62	4.133e4	5.525e4	0.770	0.75	NO	206.96	206.96
13	46 PCB-42/59	32.87	32.86	1.789e4	2.255e4	0.770	0.79	NO	68.040	68.040



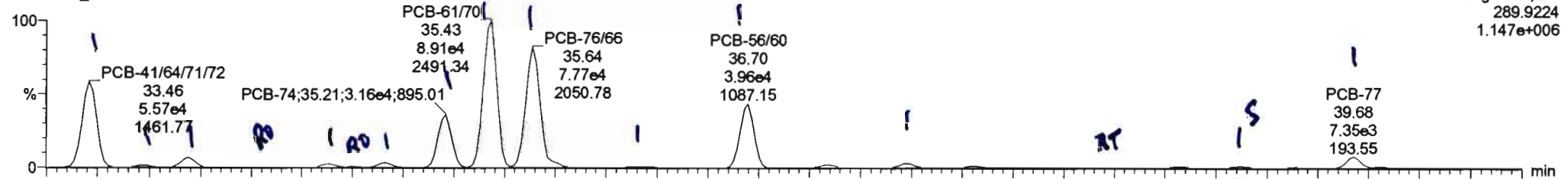
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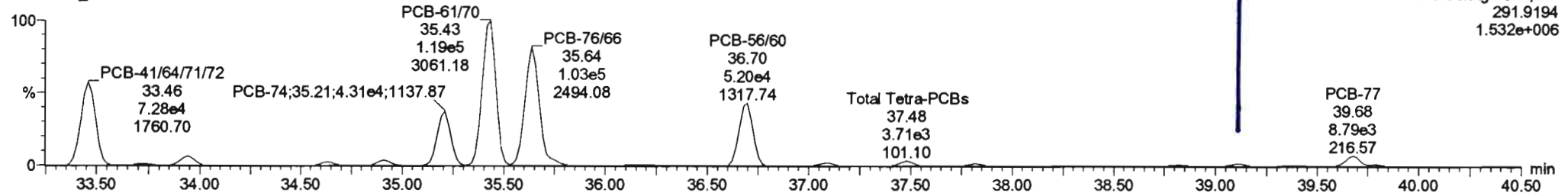
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**PCB-68**

200617K1\_10

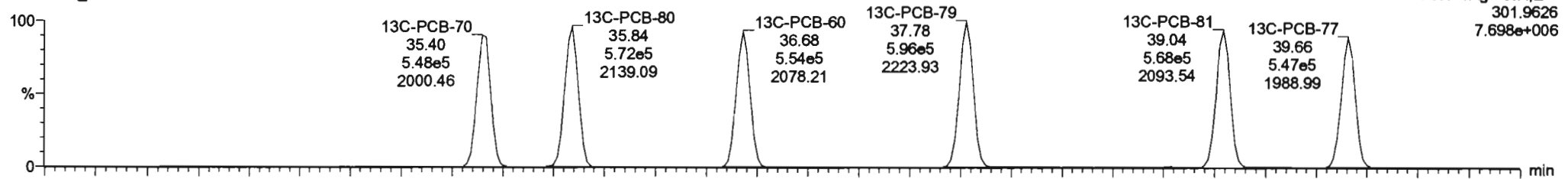


200617K1\_10

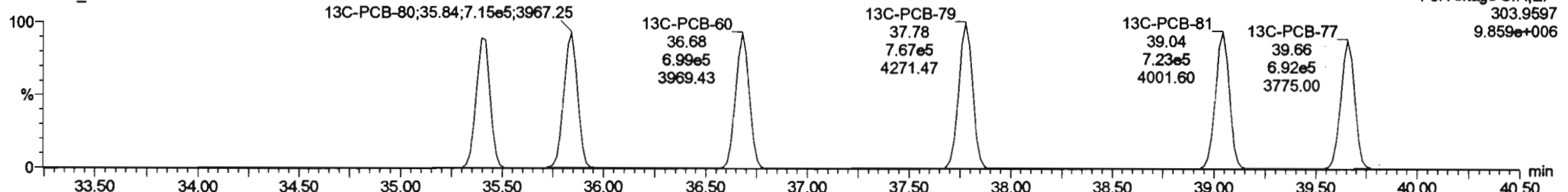


**13C-PCB-60**

200617K1\_10



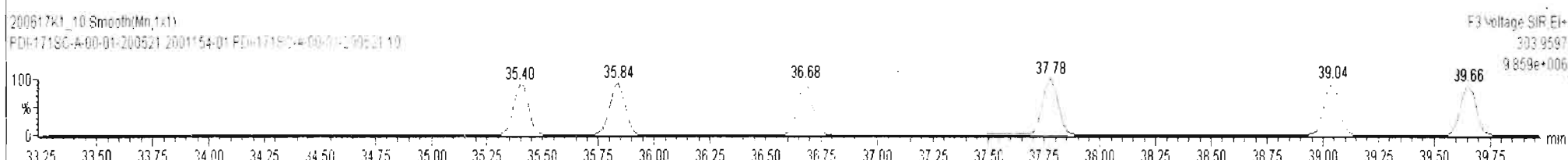
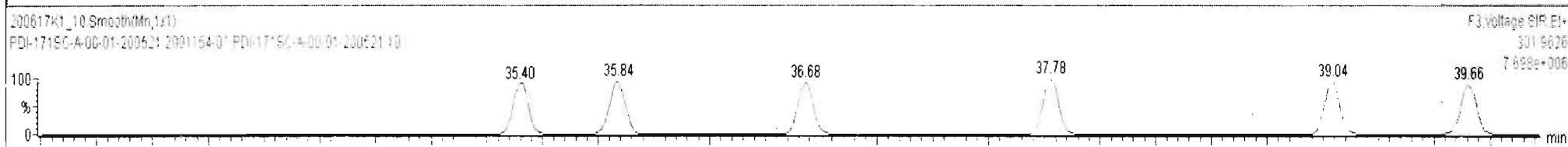
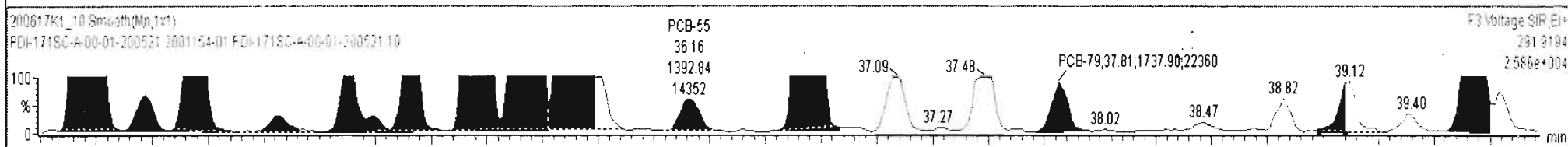
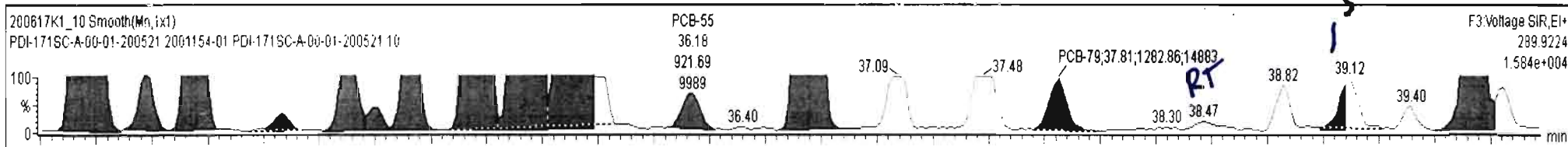
200617K1\_10



200617K1\_10 - 2001154-01 PDI-171SC-A-00-01-200521 10 - PDI-171SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wtAol	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.516	0.00		0.000		NO	2044		7.60	2047

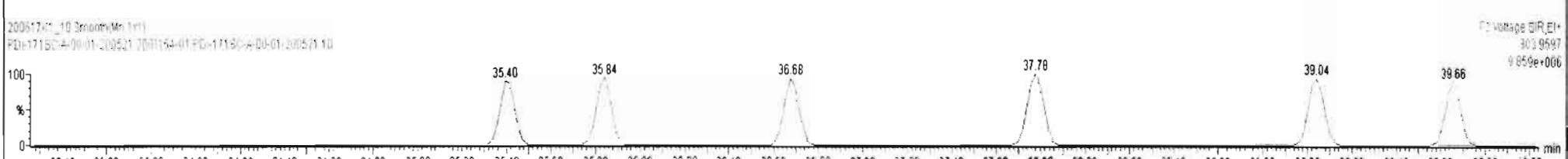
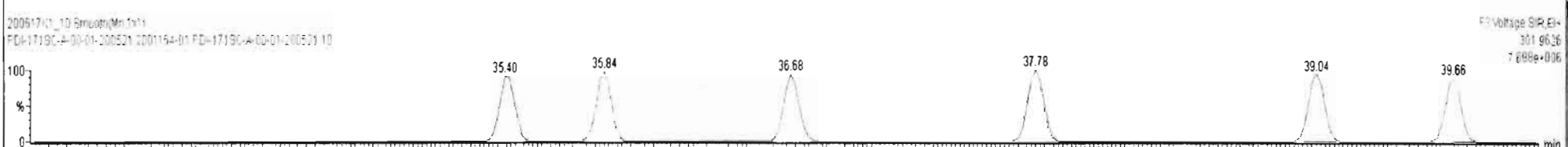
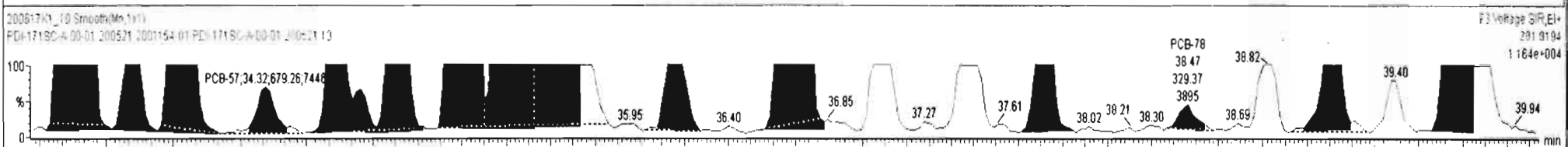
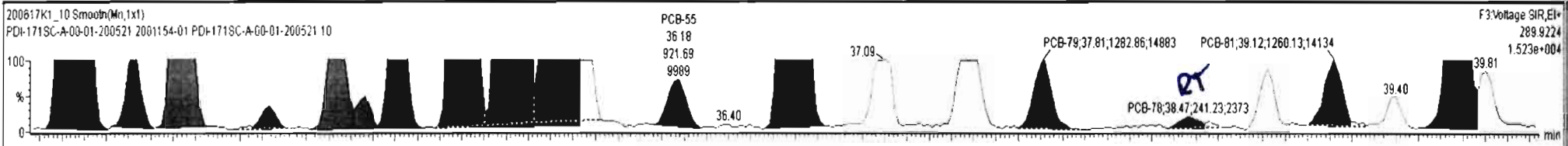
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
14	47 PCB-41/64/71/72	33.47	33.46	5.573e4	7.306e4	0.770	0.76	NO	191.55	191.55
15	48 PCB-68	33.72	33.72	1.181e3	1.336e3	0.770	0.88	NO	3.4798	3.4798
16	49 PCB-40	33.95	33.94	5.939e3	7.773e3	0.770	0.76	NO	40.222	40.222
17	50 PCB-57	34.30	34.33	3.753e2	6.793e2	0.770	0.55	YES	1.0851	0.00000
18	51 PCB-67	34.62	34.63	2.165e3	2.482e3	0.770	0.87	NO	6.2702	6.2702
19	52 PCB-58	34.74	34.76	4.960e2	4.792e2	0.770	1.03	YES	1.0307	0.00000
20	53 PCB-63	34.90	34.91	2.840e3	3.981e3	0.770	0.71	NO	9.3099	9.3099
21	54 PCB-74	35.20	35.21	3.168e4	4.312e4	0.770	0.73	NO	92.344	92.344
22	55 PCB-61/70	35.41	35.43	8.922e4	1.191e5	0.770	0.75	NO	289.16	289.16
23	56 PCB-76/66	35.60	35.64	7.589e4	9.972e4	0.770	0.76	NO	220.38	220.38
24	58 PCB-55	36.18	36.18	9.217e2	1.393e3	0.770	0.66	NO	2.7881	2.7881
25	59 PCB-55/60	36.70	36.70	3.958e4	5.219e4	0.770	0.76	NO	126.94	126.94



#	Name	Resp	RA	nly	RRF	wtAvd	Pred RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.516	0.00		0.000		NO	2047		7.60	2050
229	3rd Function Penta-PCBs				1.3157	5.516	0.00		0.000		NO	2242		8.18	2256

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
14	47 PCB-41,64,71,72	33.47	33.46	5.573e4	7.306e4	0.770	0.76	NO	191.55	191.55
15	48 PCB-68	33.72	33.72	1.181e3	1.336e3	0.770	0.88	NO	3.4798	3.4798
16	49 PCB-40	33.95	33.94	5.939e3	7.773e3	0.770	0.76	NO	40.222	40.222
17	50 PCB-57	34.30	34.33	3.753e2	6.793e2	0.770	0.55	YES	1.0851	0.00000
18	51 PCB-67	34.62	34.63	2.165e3	2.482e3	0.770	0.87	NO	6.2702	6.2702
19	52 PCB-58	34.74	34.76	4.960e2	4.792e2	0.770	1.03	YES	1.0307	0.00000
20	53 PCB-63	34.90	34.91	2.840e3	3.981e3	0.770	0.71	NO	9.3099	9.3099
21	54 PCB-74	35.20	35.21	3.188e4	4.312e4	0.770	0.73	NO	92.344	92.344
22	55 PCB-61,70	35.41	35.43	6.922e4	1.191e5	0.770	0.75	NO	289.16	289.16
23	56 PCB-76,66	35.60	35.64	7.569e4	9.972e4	0.770	0.76	NO	220.38	220.38
24	58 PCB-55	36.18	36.18	9.217e2	1.393e3	0.770	0.66	NO	2.7881	2.7881
25	59 PCB-56,60	36.70	36.70	3.958e4	5.219e4	0.770	0.76	NO	126.94	126.94
26	60 PCB-79	37.80	37.81	1.283e3	1.738e3	0.770	0.74	NO	3.7365	3.7365
27	61 PCB-78	38.52	38.47	2.412e2	3.294e2	0.770	0.73	NO	0.70491	0.70491
28	62 PCB-81	39.06	39.12	2.60e3	1.884e3	0.770	0.67	NO	4.2182	4.2182
29	63 PCB-77	39.68	39.67	7.355e3	8.788e3	0.770	0.84	NO	20.769	20.769

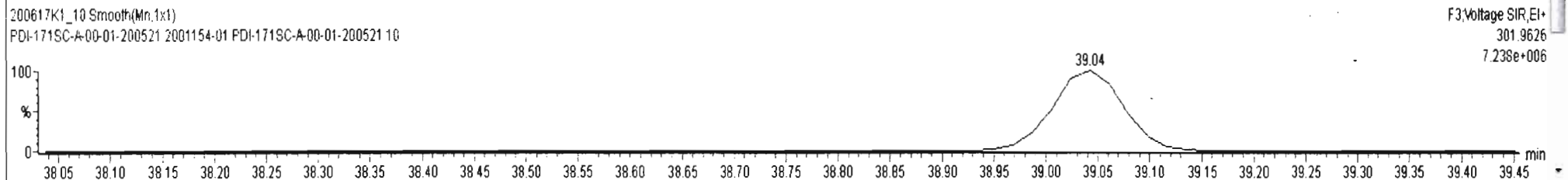
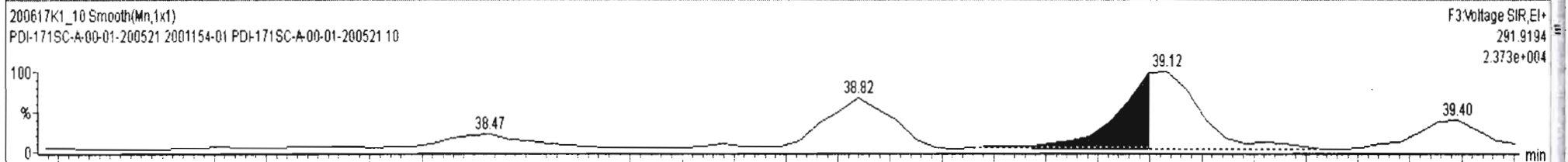
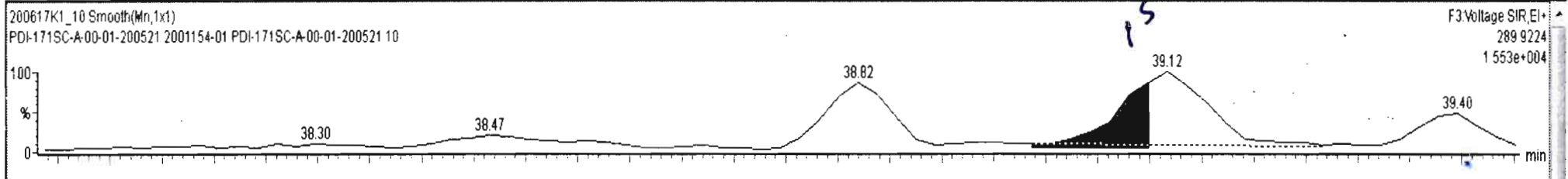
*05 early spec. case started by 06-25-2006*



200617K1\_10 - 2001154-01 PDI-171SC-A-00-01-200521 10 - PDI-171SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.516	0.00		0.000		NO	2044		7.60	2047

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
14	47 PCB-41/64/71/72	33.47	33.46	5.573e4	7.306e4	0.770	0.76	NO	191.55	191.55
15	48 PCB-68	33.72	33.72	1.181e3	1.336e3	0.770	0.88	NO	3.4798	3.4798
16	49 PCB-40	33.95	33.94	5.939e3	7.773e3	0.770	0.76	NO	40.222	40.222
17	50 PCB-57	34.30	34.33	3.753e2	6.793e2	0.770	0.55	YES	1.0851	0.00000
18	51 PCB-67	34.62	34.63	2.165e3	2.482e3	0.770	0.87	NO	6.2702	6.2702
19	52 PCB-58	34.74	34.76	4.960e2	4.792e2	0.770	1.03	YES	1.0307	0.00000
20	53 PCB-63	34.90	34.91	2.840e3	3.981e3	0.770	0.71	NO	9.3099	9.3099
21	54 PCB-74	35.20	35.21	3.168e4	4.312e4	0.770	0.73	NO	92.344	92.344
22	55 PCB-61/70	35.41	35.43	8.922e4	1.191e5	0.770	0.75	NO	289.16	289.16
23	56 PCB-76/66	35.60	35.64	7.569e4	9.972e4	0.770	0.76	NO	220.38	220.38
24	58 PCB-55	36.18	36.18	9.217e2	1.393e3	0.770	0.66	NO	2.7881	2.7881
25	59 PCB-56/60	36.70	36.70	3.958e4	5.219e4	0.770	0.76	NO	126.94	126.94
26	60 PCB-79	37.80	37.81	1.283e3	1.738e3	0.770	0.74	NO	3.7365	3.7365
27	62 PCB-81	39.06	39.10	5.062e2	7.508e2	0.770	0.67	NO	1.6866	1.6866
28	63 PCB-77	39.68	39.67	7.355e3	8.788e3	0.770	0.84	NO	20.769	20.769



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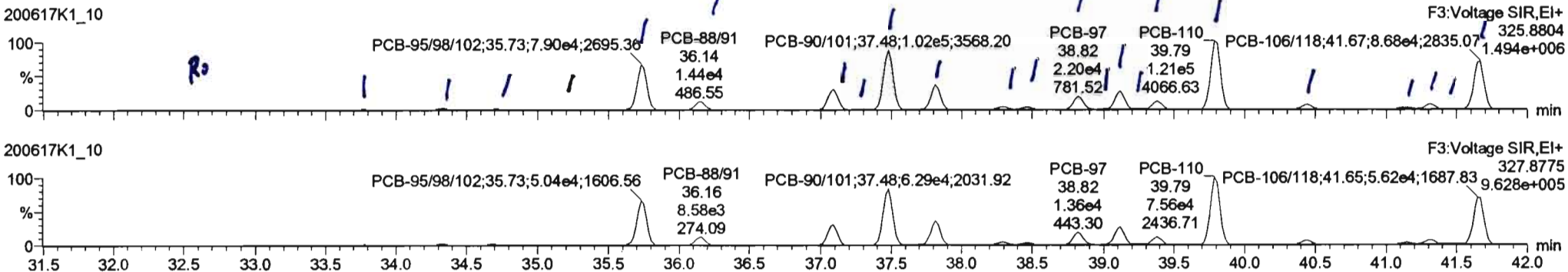
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

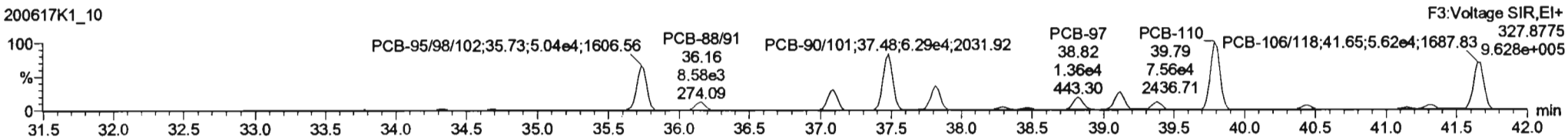
Name: 200617K1\_10, Date: 17-Jun-2020, Time: 22:25:35, ID: 2001154-01 PDI-171SC-A-00-01-200521 10, Description: PDI-171SC-A-00-01-200521

**PCB-104**

200617K1\_10

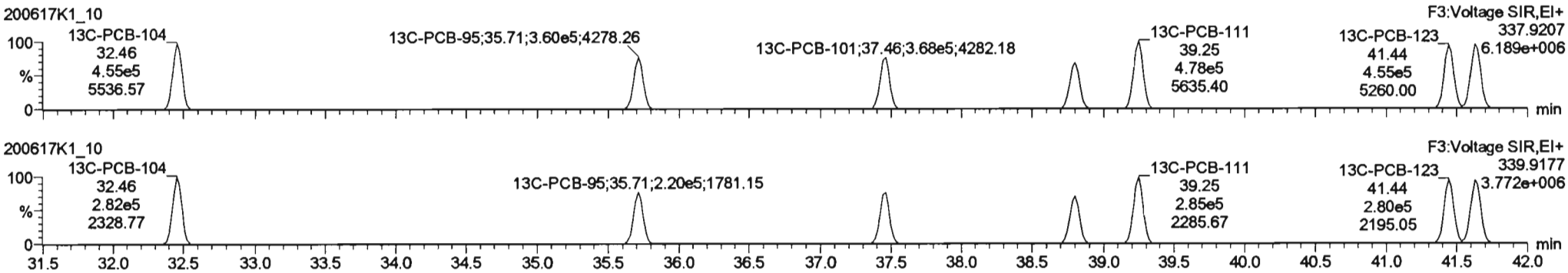


200617K1\_10

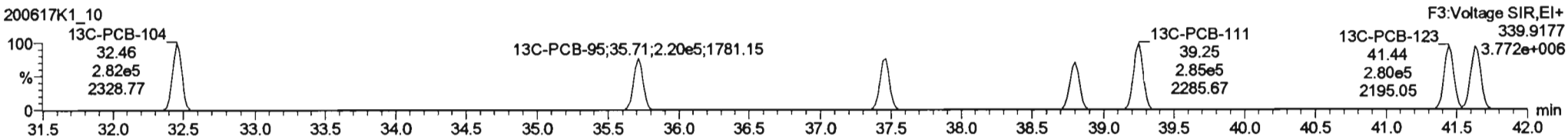


**13C-PCB-104**

200617K1\_10

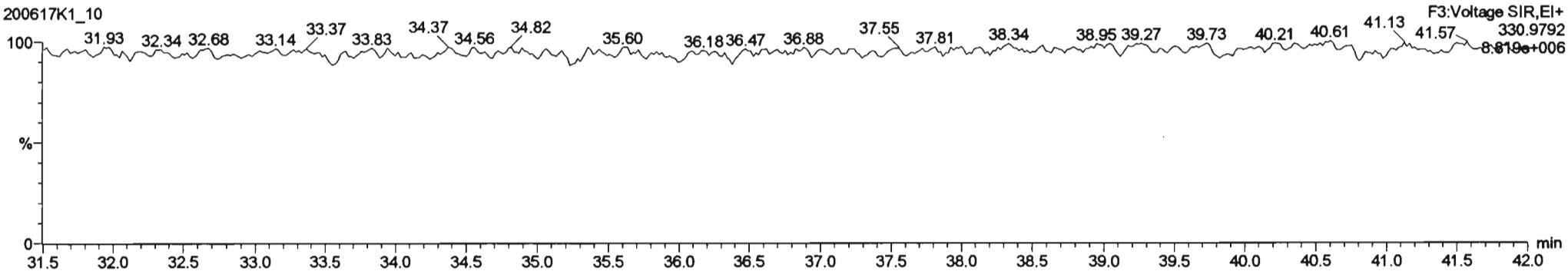


200617K1\_10



**PFK3b**

200617K1\_10



Dataset: Untitled

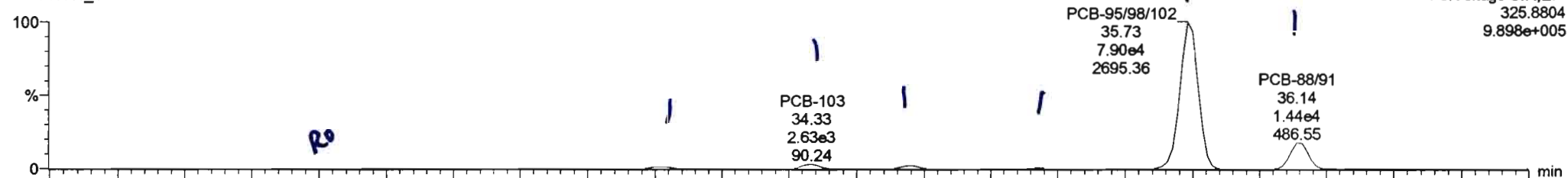
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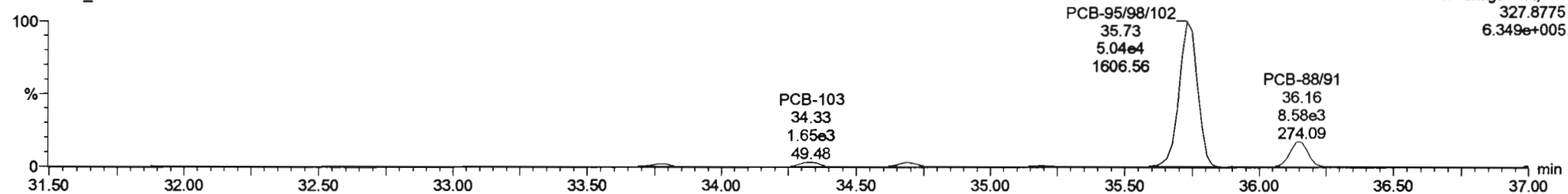
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**PCB-96**

200617K1\_10

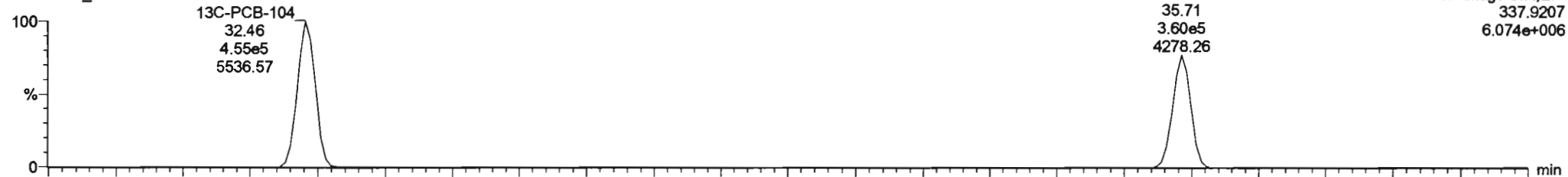


200617K1\_10

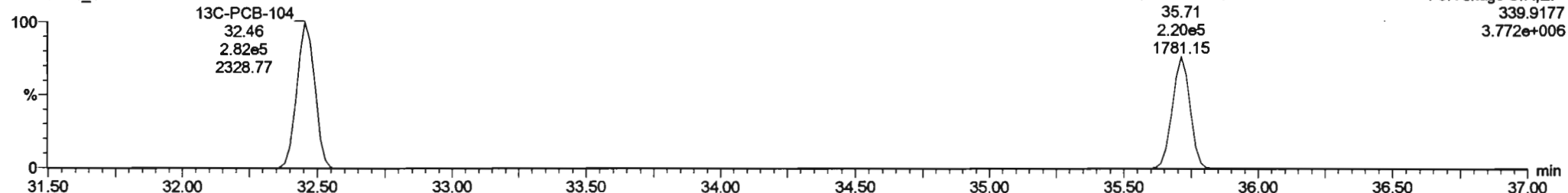


**13C-PCB-95**

200617K1\_10



200617K1\_10

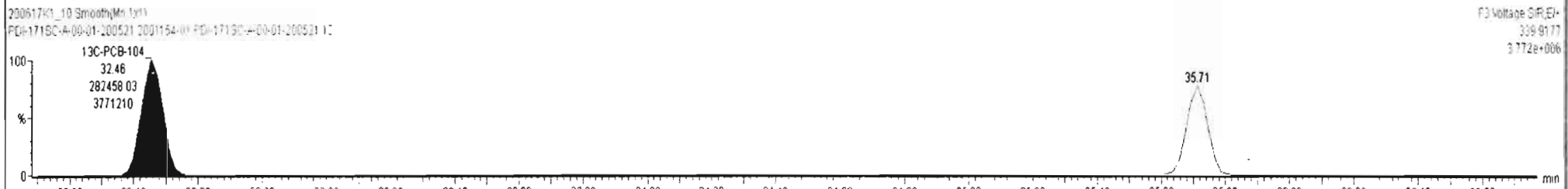
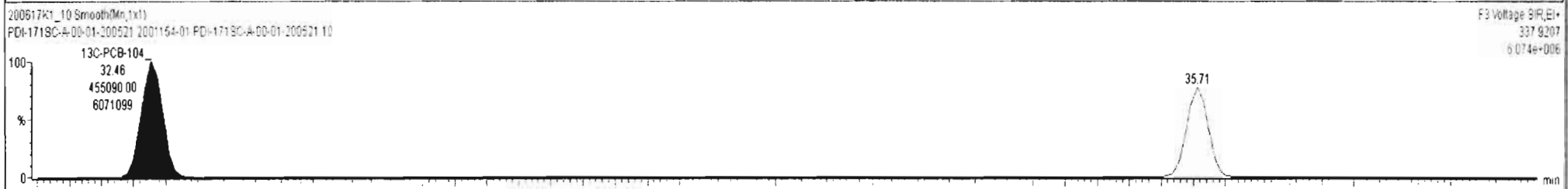
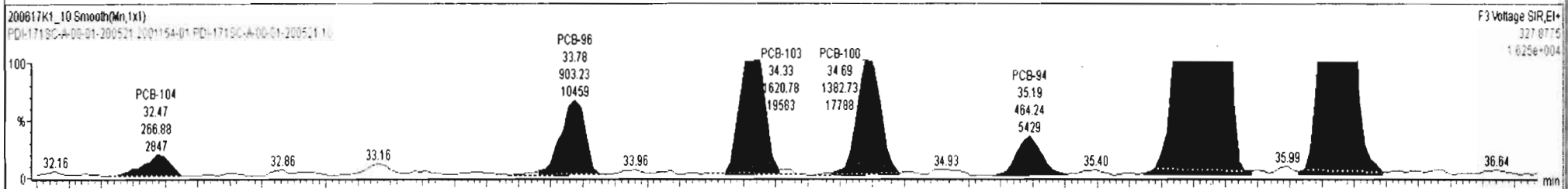
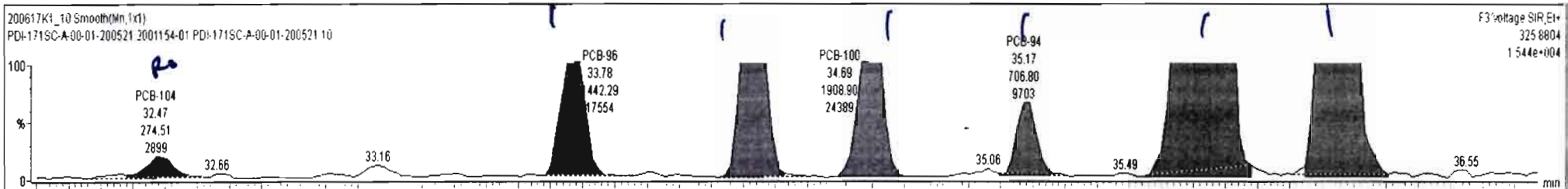




200617K1\_10-2001154-01-FDI-171SC-A-00-01-200521-10-FDI-171SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.516	0.00		0.000		NO	2046		7.60	2049
229	3rd Function Penta-PCBs				1.3157	5.516	0.00		0.000		NO	2244		8.18	2258

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	32.47	32.47	2.745e2	2.669e2	1.560	1.03	YES	0.96681	0.00000
2	65 PCB-96	33.80	33.78	1.442e3	9.032e2	1.560	1.60	NO	4.9966	4.9966
3	66 PCB-103	34.36	34.33	2.617e3	1.621e3	1.560	1.61	NO	11.122	11.122
4	67 PCB-100	34.71	34.69	1.909e3	1.383e3	1.560	1.38	NO	8.4846	8.4846
5	68 PCB-94	35.19	35.17	7.069e2	4.642e2	1.560	1.52	NO	3.8571	3.8571
6	69 PCB-95/96/102	35.67	35.73	7.933e4	5.065e4	1.560	1.57	NO	337.29	337.29
7	71 PCB-88/91	36.14	36.14	1.449e4	8.713e3	1.560	1.66	NO	68.105	68.105



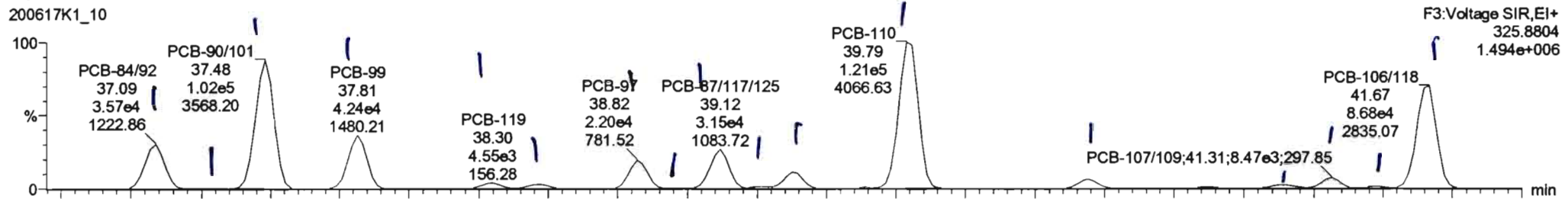
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

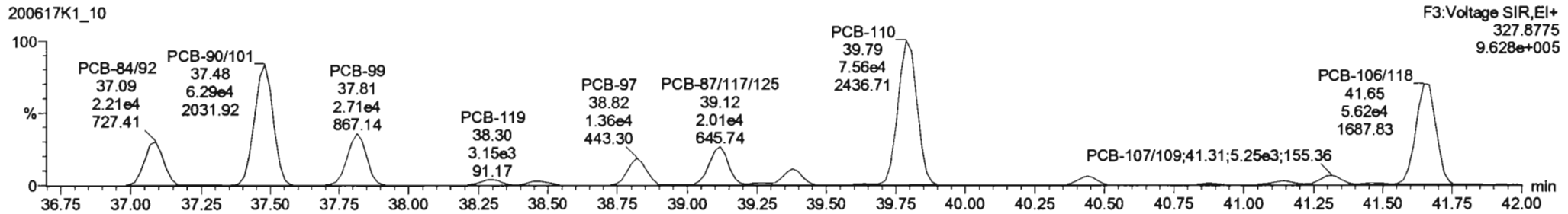
Name: 200617K1\_10, Date: 17-Jun-2020, Time: 22:25:35, ID: 2001154-01 PDI-171SC-A-00-01-200521 10, Description: PDI-171SC-A-00-01-200521

PCB-119

200617K1\_10

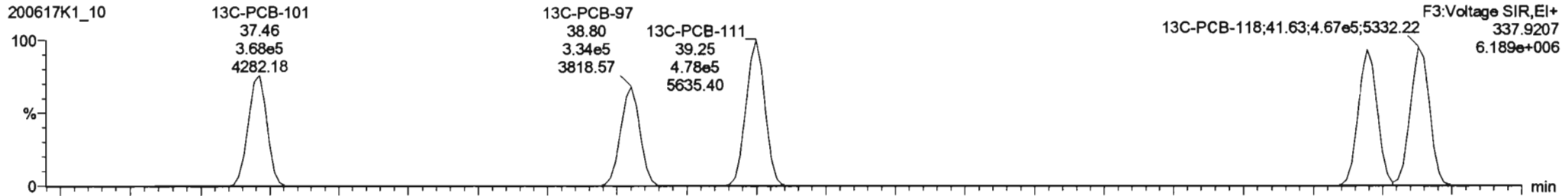


200617K1\_10

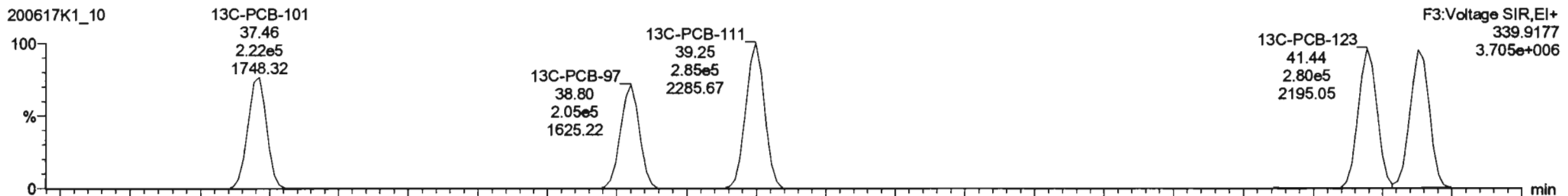


13C-PCB-111

200617K1\_10

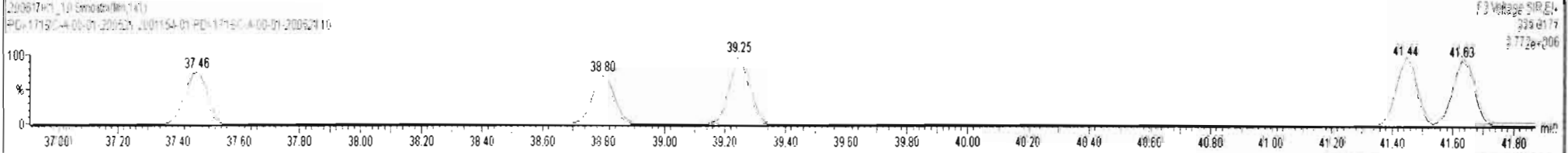
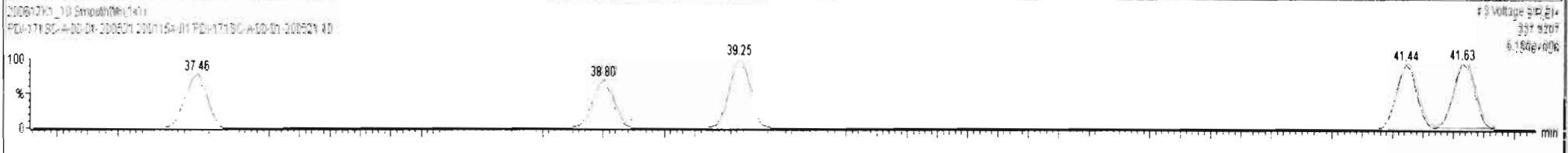
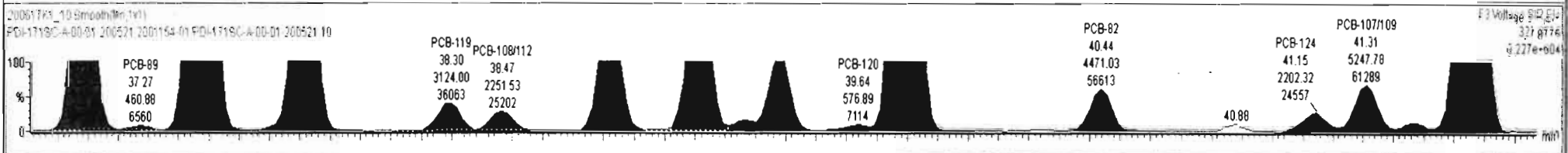
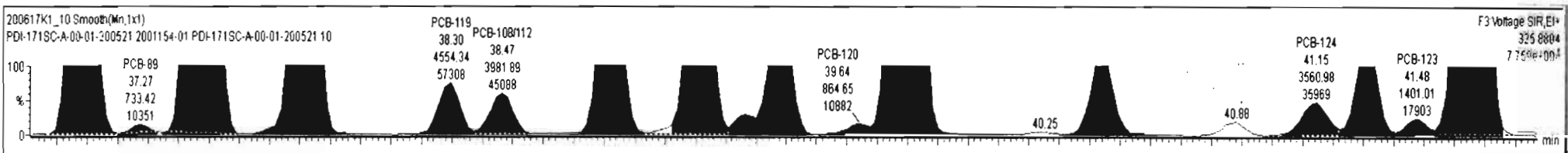


200617K1\_10



#	Name	Resp	RA	n/y	R/R	w/avl	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Peris-PCBs				1.3157	5.516	0.00		0.000		NO	2259		8.18	2260

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
8	73 PCB-84/82	37.10	37.09	3.571e4	2.231e4	1.560	1.60	NO	175.25	175.25
9	74 PCB-89	37.27	37.27	7.334e2	4.609e2	1.560	1.59	NO	3.3222	3.3222
10	75 PCB-90/101	37.48	37.48	1.021e5	6.290e4	1.560	1.62	NO	451.88	451.88
11	77 PCB-99	37.61	37.61	4.244e4	2.714e4	1.560	1.56	NO	161.92	161.92
12	78 PCB-119	38.30	38.30	4.554e3	3.124e3	1.560	1.46	NO	14.325	14.325
13	79 PCB-108/112	38.46	38.47	3.902e3	2.252e3	1.560	1.77	NO	14.529	14.529
14	81 PCB-97	38.82	38.82	2.202e4	1.356e4	1.560	1.62	NO	93.486	93.486
15	83 PCB-87/117/25	39.12	39.12	3.103e4	1.990e4	1.560	1.56	NO	110.02	110.02
16	84 PCB-111/115	39.27	39.27	1.634e3	1.042e3	1.560	1.57	NO	4.7187	4.7187
17	85 PCB-85/116	39.40	39.38	1.345e4	8.319e3	1.560	1.62	NO	51.972	51.972
18	86 PCB-120	39.66	39.64	8.646e2	5.769e2	1.560	1.50	NO	2.4214	2.4214
19	87 PCB-110	39.79	39.79	1.211e5	7.562e4	1.560	1.60	NO	380.26	380.26
20	88 PCB-82	40.44	40.44	7.499e3	4.471e3	1.560	1.68	NO	37.776	37.776
21	89 PCB-124	41.15	41.15	3.581e3	2.202e3	1.560	1.62	NO	10.173	10.173
22	90 PCB-107/109	41.29	41.31	8.475e3	5.248e3	1.560	1.61	NO	25.217	25.217
23	91 PCB-123	41.46	41.48	1.401e3	9.380e2	1.560	1.49	NO	4.8145	4.8145
24	92 PCB-106/118	41.67	41.67	8.675e4	5.623e4	1.560	1.54	NO	283.19	283.19



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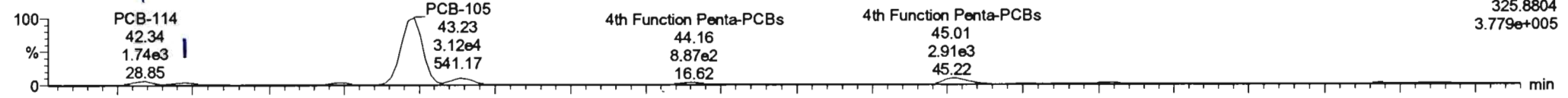
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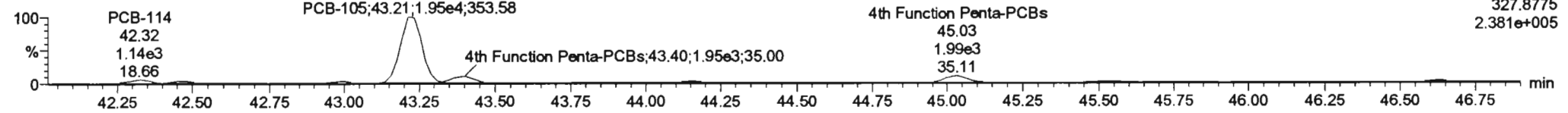
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**PCB-114**

200617K1\_10

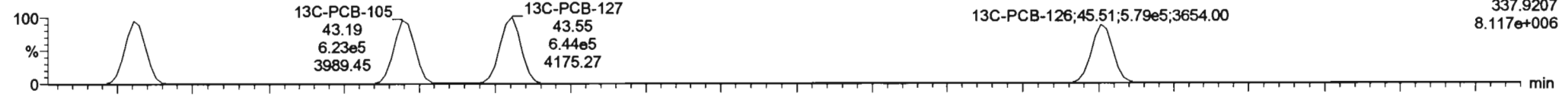


200617K1\_10

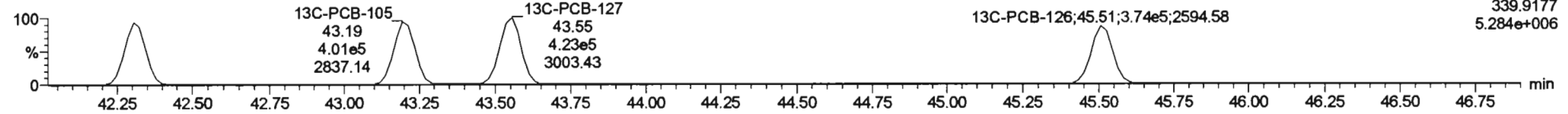


**13C-PCB-114**

200617K1\_10

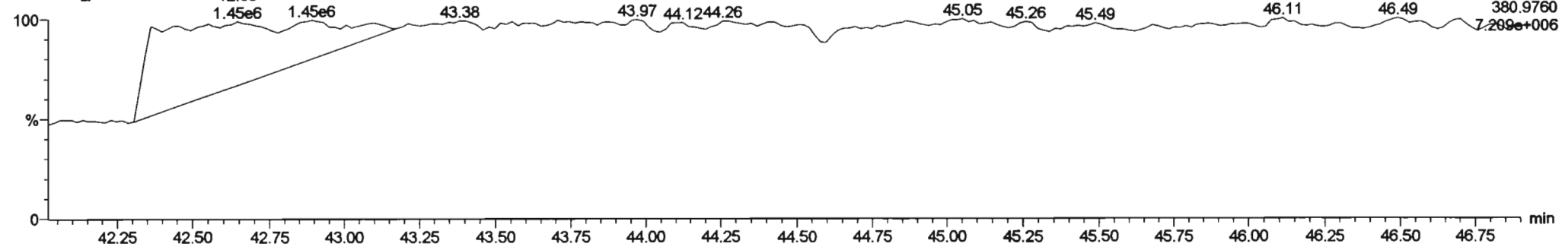


200617K1\_10



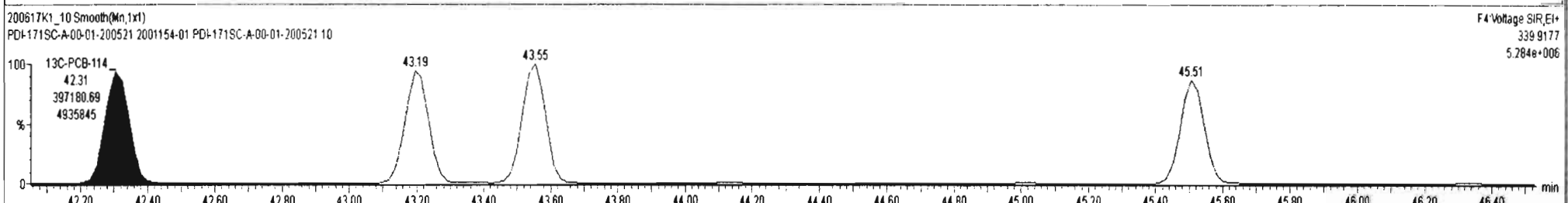
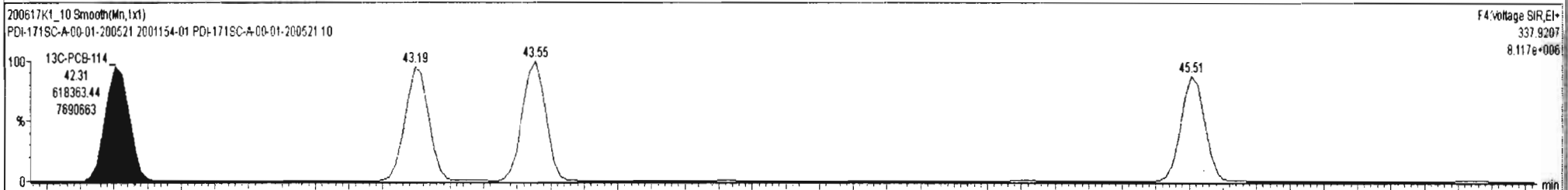
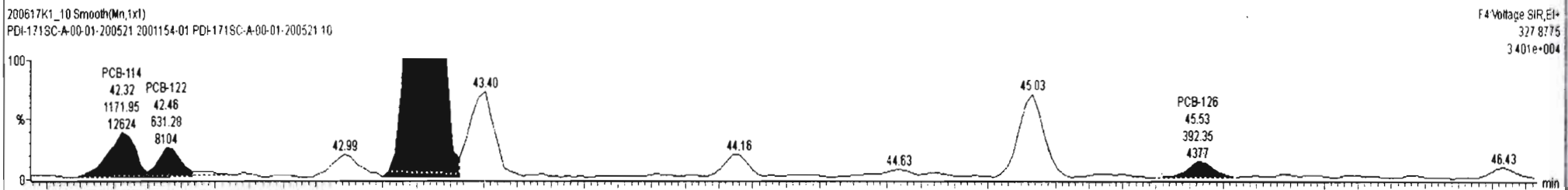
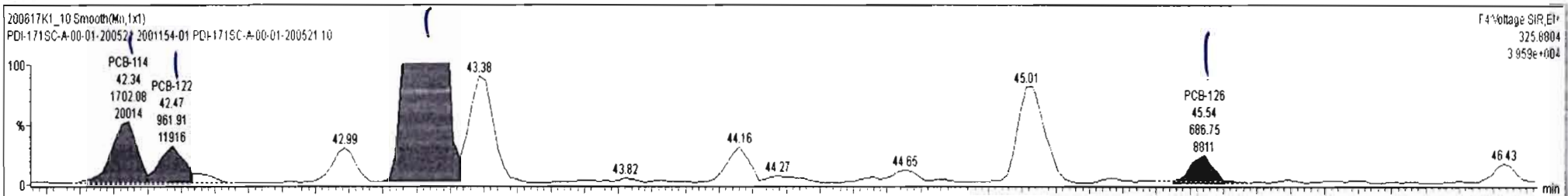
**PFK4a**

200617K1\_10



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Pentia-PCBs				1.0735	5.516	0.00		0.000		NO	94.99		1.84	94.99
231	231 3rd Function Hexa-PCBs				0.9505	5.516	0.00		0.000		NO	735.4		5.10	746.6
232	232 4th Function Hexa-PCBs				1.0316	5.516	0.00		0.000		NO	1286		5.92	1287

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.33	42.34	1.702e3	1.172e3	1.560	1.45	NO	4.4959	4.4959
2	94 PCB-122	42.47	42.47	9.619e2	6.313e2	1.560	1.52	NO	3.0118	3.0118
3	95 PCB-105	43.21	43.23	3.117e4	1.974e4	1.550	1.58	NO	85.727	85.727
4	97 PCB-126	45.52	45.54	6.867e2	3.924e2	1.560	1.75	NO	1.7514	1.7514



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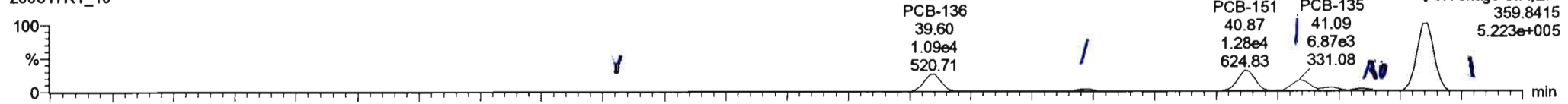
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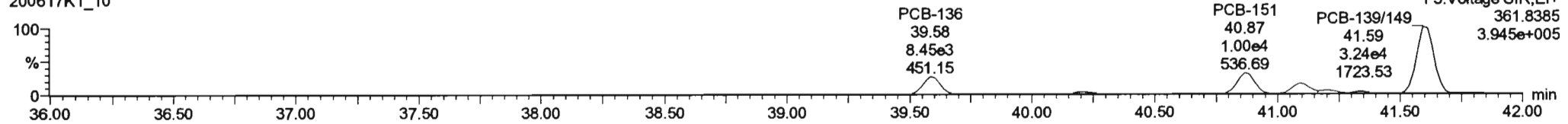
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**PCB-155**

200617K1\_10

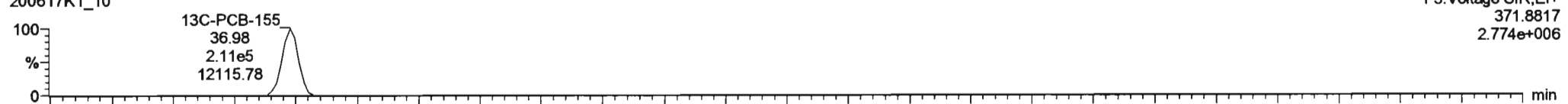


200617K1\_10

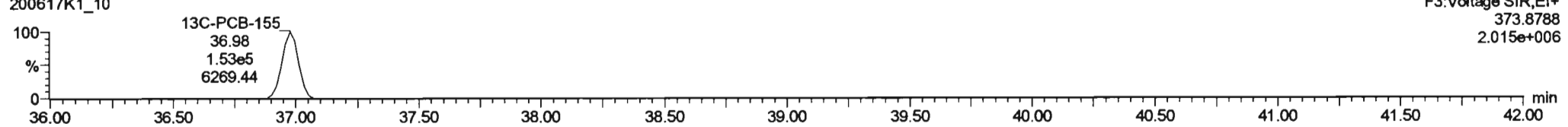


**13C-PCB-155**

200617K1\_10

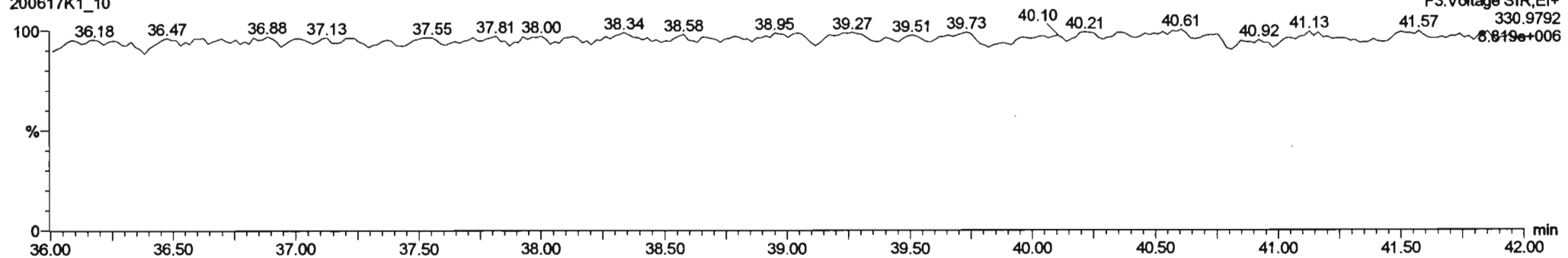


200617K1\_10



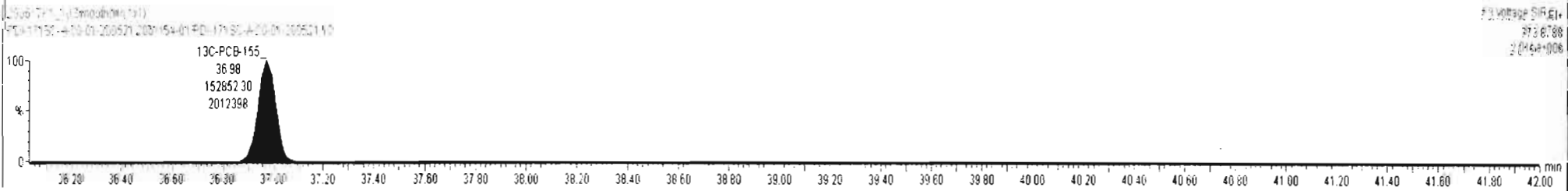
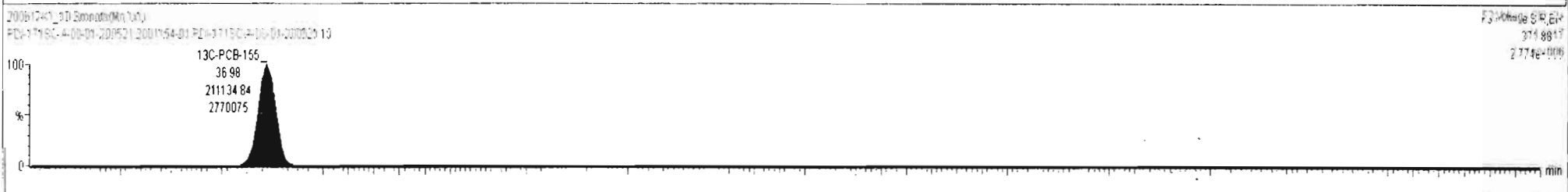
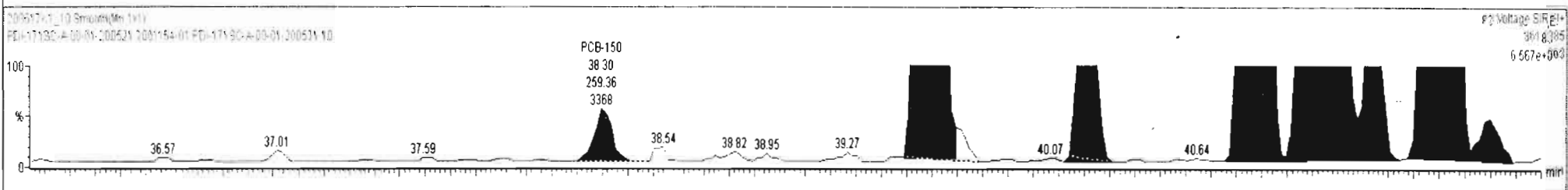
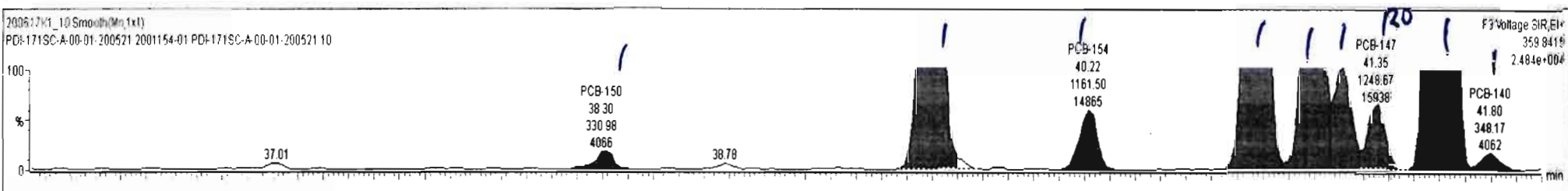
**PFK3c**

200617K1\_10



#	Name	Resp	RA	nLy	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.9505	5.516	0.00		0.000		NO	734.4		5.10	745.6
232	232 4th Function Hexa-PCBs				1.0316	5.516	0.00		0.000		NO	1266		5.92	1287
233	233 Total Hepta-PCBs				1.3551	5.516	0.00		0.000		NO	1007		5.98	1010

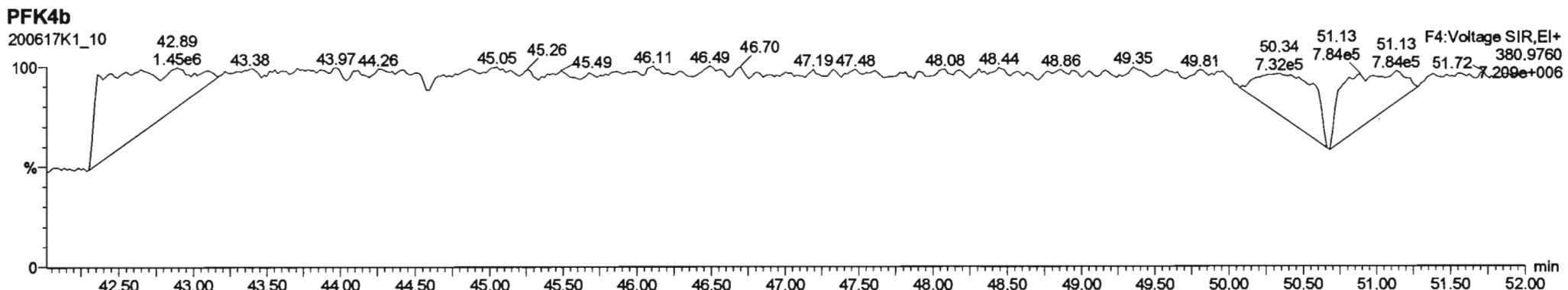
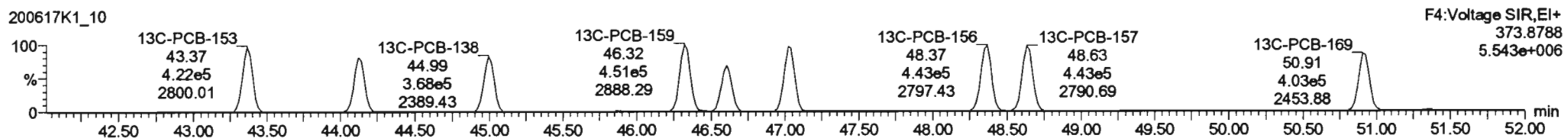
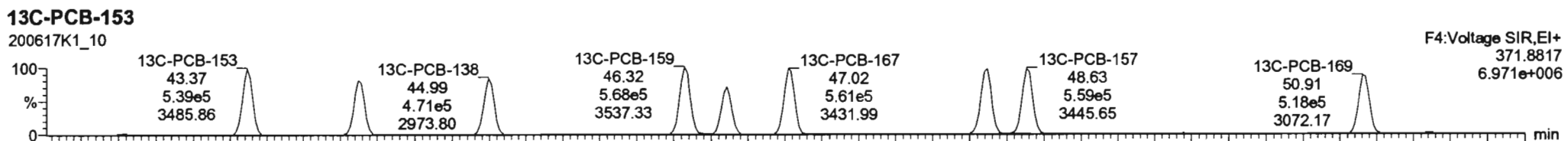
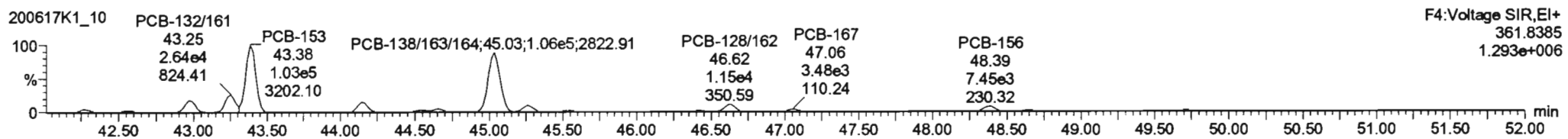
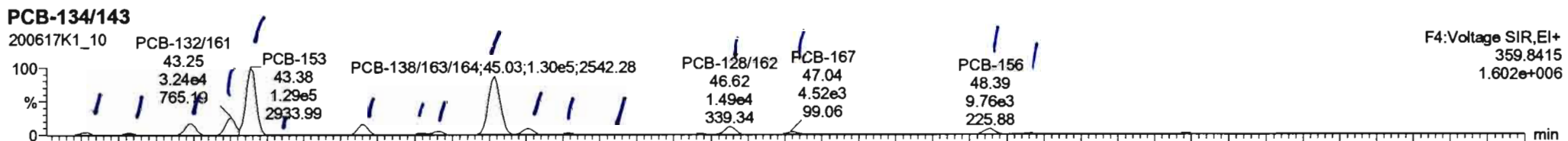
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1	99 PCB-150	38.32	38.30	3.310e2	2.594e2	1.240	1.26	NO	2.7139	2.7139
2	102 PCB-136	39.60	39.60	1.073e4	8.330e3	1.240	1.29	NO	93.010	93.010
3	104 PCB-154	40.22	40.22	1.161e3	9.266e2	1.240	1.25	NO	11.317	11.317
4	105 PCB-151	40.88	40.87	1.276e4	1.004e4	1.240	1.27	NO	144.36	144.36
5	106 PCB-135	41.09	41.09	6.868e3	4.948e3	1.240	1.39	NO	63.812	63.812
6	107 PCB-144	41.20	41.22	1.943e3	1.435e3	1.240	1.35	NO	21.324	21.324
7	108 PCB-147	41.33	41.35	1.249e3	8.282e2	1.240	1.49	YES	11.206	0.00000
8	109 PCB-139/149	41.62	41.61	4.255e4	3.244e4	1.240	1.31	NO	394.10	394.10
9	110 PCB-140	41.80	41.80	3.482e2	2.447e2	1.240	1.42	NO	3.7208	3.7208



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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

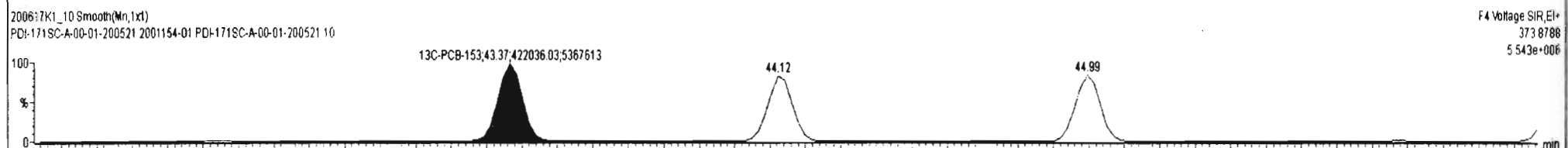
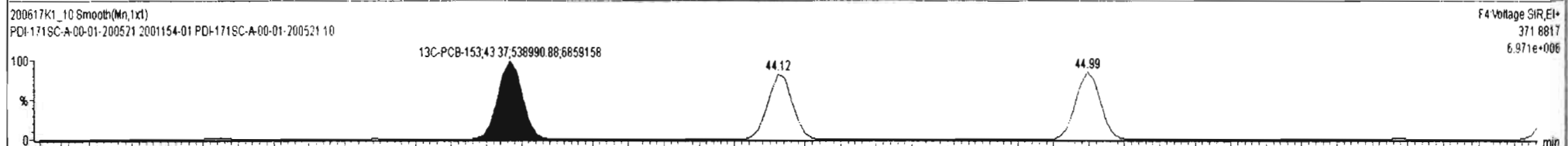
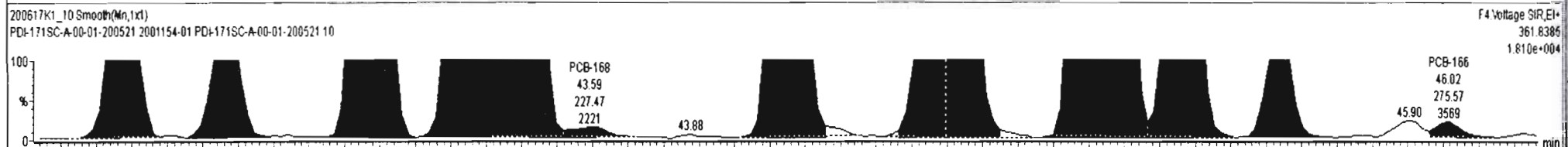
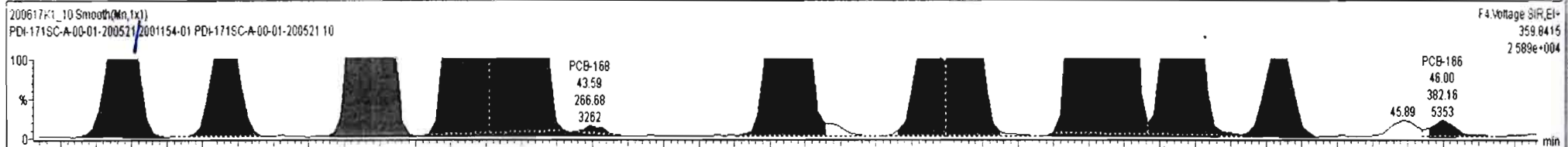
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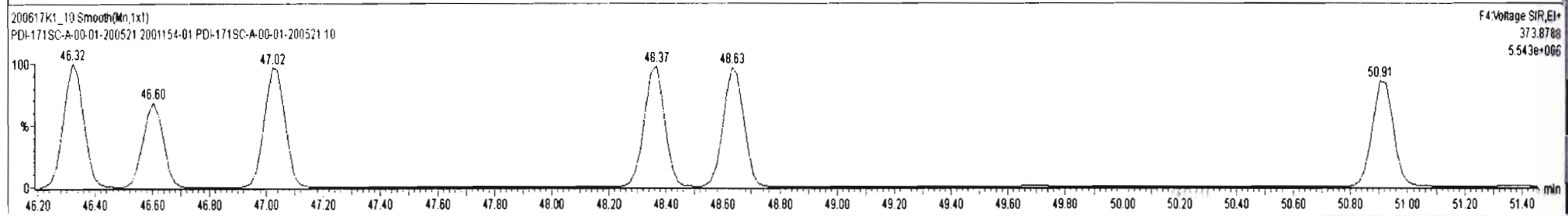
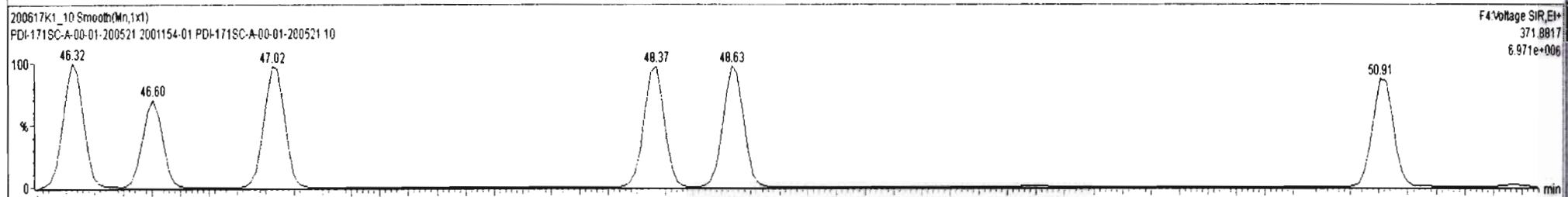
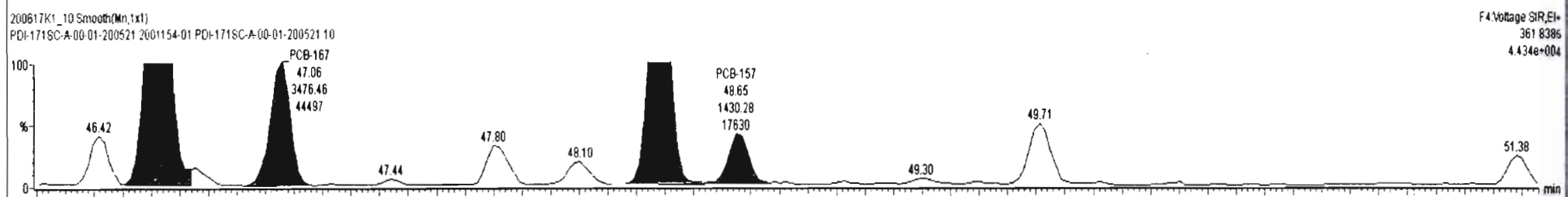
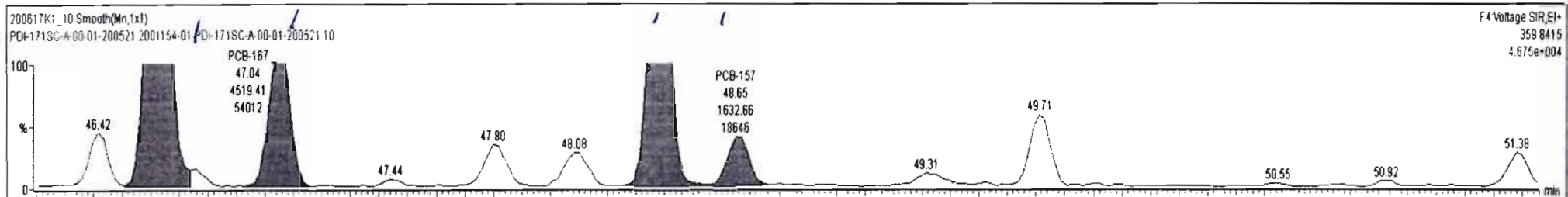
#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				1.0316	5.516	0.00		0.000		NO	1288		5.92	1288
233	233 Total Hepta-PCBs				1.3551	5.516	0.00		0.000		NO	1007		5.98	1010
234	234 4th Function Octa-PCBs				1.0008	5.516	0.00		0.000		NO	2024		1.67	2122

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
1	111 PCB-134/143	42.28	42.28	4.885e3	4.266e3	1.240	1.15	NO	22.744	22.744
2	112 PCB-131/133	42.58	42.57	3.215e3	2.537e3	1.240	1.31	NO	13.449	13.449
3	114 PCB-145/165	42.97	42.97	2.217e4	1.810e4	1.240	1.22	NO	74.717	74.717
4	115 PCB-132/161	43.20	43.25	3.253e4	2.643e4	1.240	1.23	NO	108.61	108.61
5	116 PCB-153	43.38	43.38	1.290e5	1.030e5	1.240	1.25	NO	408.84	408.84
6	117 PCB-168	43.61	43.59	2.667e2	2.275e2	1.240	1.17	NO	0.86531	0.86531
7	118 PCB-141	44.14	44.14	1.980e4	1.534e4	1.240	1.29	NO	75.860	75.860
8	119 PCB-137	44.54	44.54	3.075e3	2.830e3	1.240	1.09	NO	11.791	11.791
9	120 PCB-130	44.64	44.65	5.757e3	4.263e3	1.240	1.35	NO	25.088	25.088
10	121 PCB-138/163/164	45.03	45.03	1.302e5	1.064e5	1.240	1.22	NO	398.47	398.47
11	122 PCB-158/160	45.28	45.26	1.169e4	9.625e3	1.240	1.21	NO	37.166	37.166
12	123 PCB-129	45.54	45.54	2.678e3	2.050e3	1.240	1.31	NO	11.793	11.793
13	124 PCB-166	46.01	46.00	3.822e2	2.758e2	1.240	1.38	NO	1.0240	1.0240



#	Name	Resp	RA	nly	RRF	wl/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				1.0316	5.516	0.00		0.000		NO	1288		5.92	1288
233	233 Total Hepta-PCBs				1.3551	5.516	0.00		0.000		NO	1007		5.98	1010
234	234 4th Function Octa-PCBs				1.0008	5.516	0.00		0.000		NO	202.4		1.67	212.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
14	126 PCB-128/162	46.63	46.62	1.493e4	1.147e4	1.240	1.30	NO	51.766	51.766
15	127 PCB-167	47.04	47.04	4.519e3	3.476e3	1.240	1.30	NO	13.026	13.026
16	128 PCB-156	48.39	48.39	9.763e3	7.451e3	1.240	1.31	NO	27.826	27.826
17	129 PCB-157	48.67	48.65	1.633e3	1.430e3	1.240	1.14	NO	5.3409	5.3409

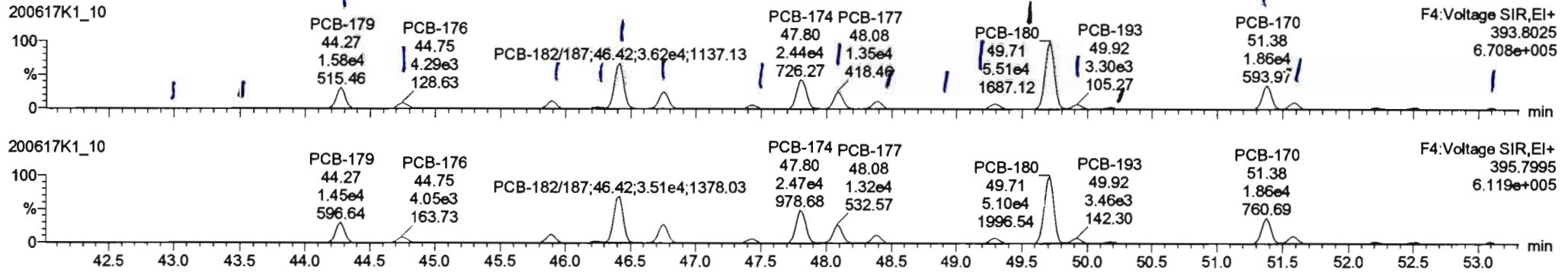


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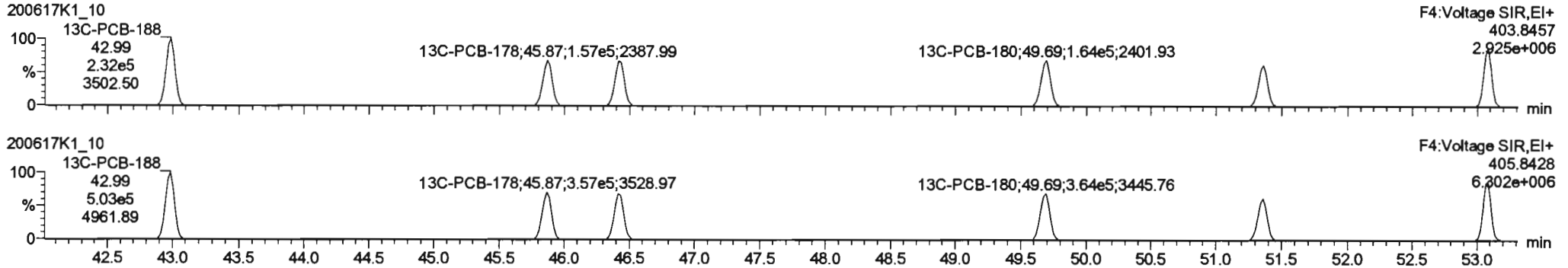
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Name: 200617K1\_10, Date: 17-Jun-2020, Time: 22:25:35, ID: 2001154-01 PDI-171SC-A-00-01-200521 10, Description: PDI-171SC-A-00-01-200521

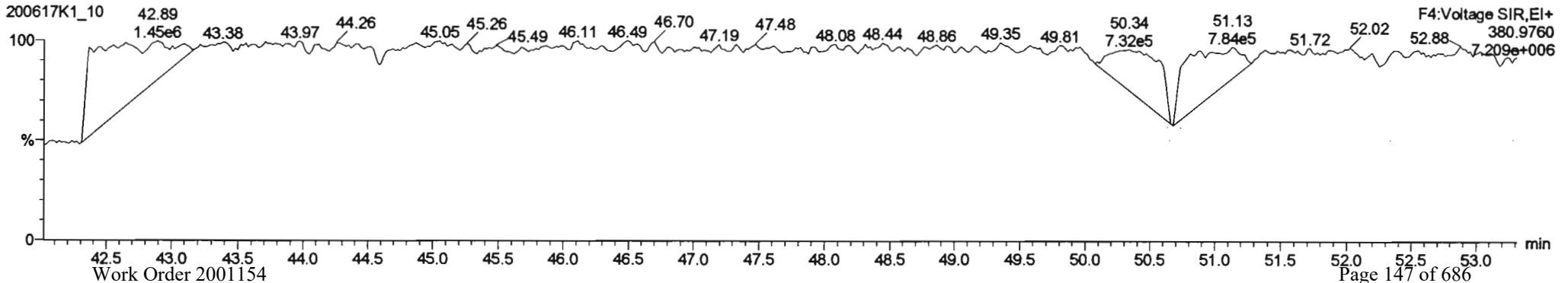
**PCB-188**



**13C-PCB-188**

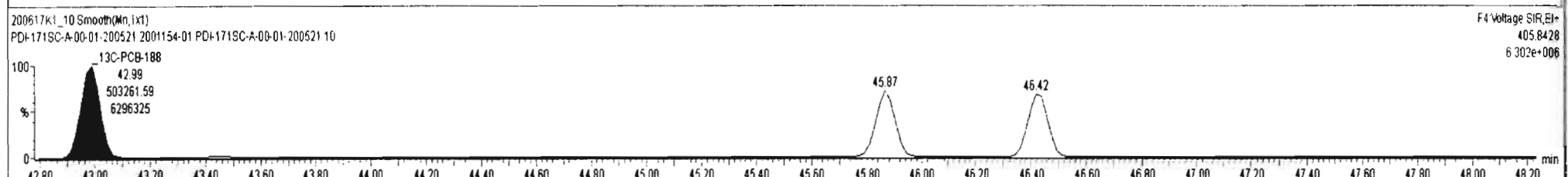
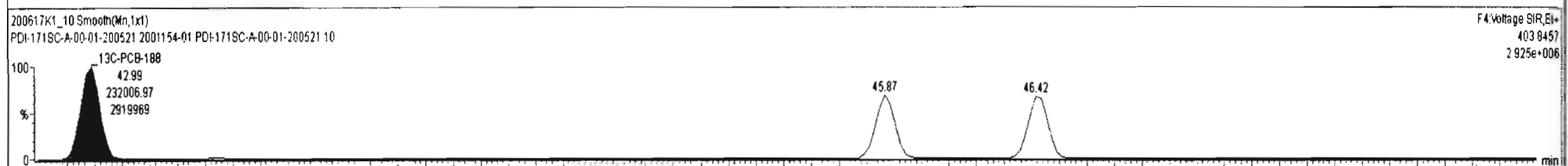
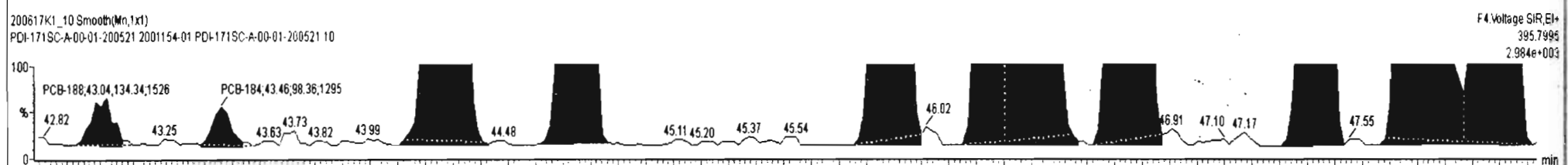
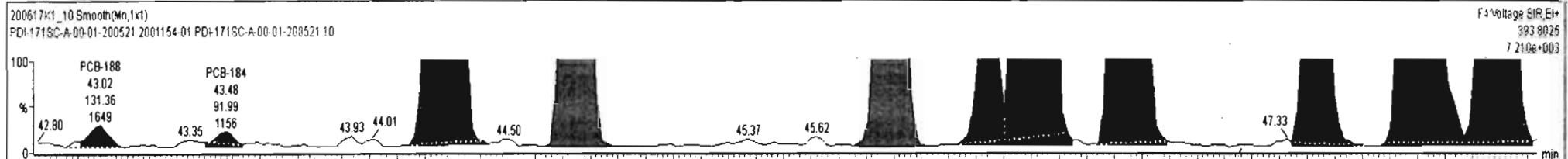


**PFK4c**



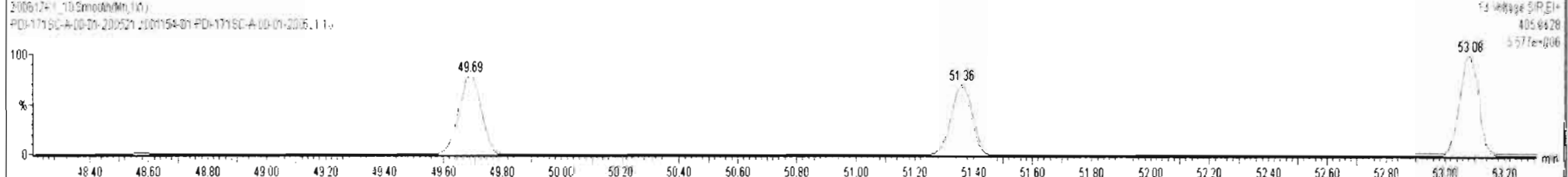
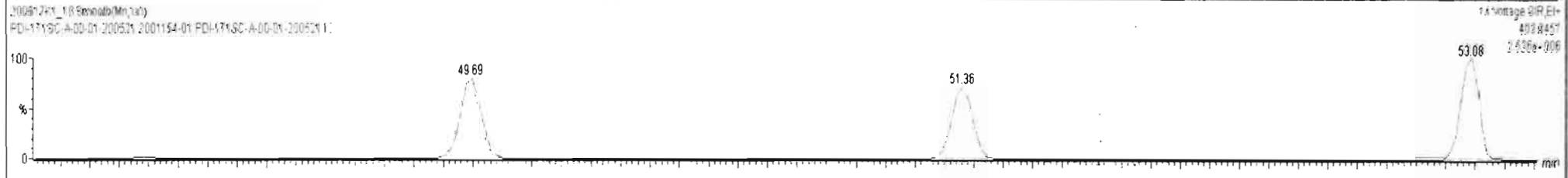
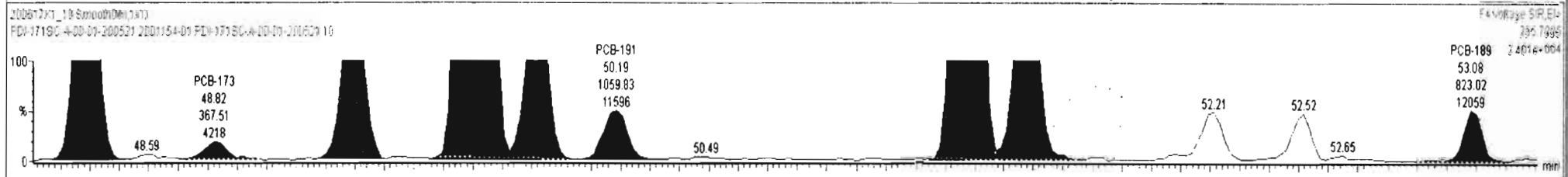
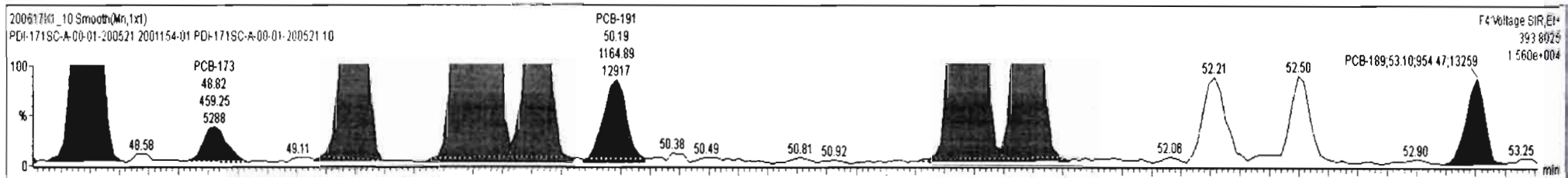
#	Name	Resp	RA	nLy	RRF	wtAval	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hestia-PCBs				1.3551	5.516	0.00		0.000		NO	1009		5.98	1012
234	234 4th Function Octa-PCBs				1.0008	5.516	0.00		0.000		NO	202.4		1.67	212.2
235	235 9th Function Octa-PCBs				1.1499	5.516	0.00		0.000		NO	75.86		1.03	77.44

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nLy	EMPC	Conc.
1	131 PCB-188	43.02	43.02	1.314e2	1.343e2	1.050	0.98	NO	0.50796	0.50796
2	132 PCB-184	43.45	43.48	9.199e1	9.836e1	1.050	0.94	NO	0.38107	0.38107
3	133 PCB-179	44.28	44.27	1.587e4	1.453e4	1.050	1.09	NO	57.744	57.744
4	134 PCB-176	44.74	44.75	4.283e3	4.047e3	1.050	1.06	NO	15.713	15.713
5	136 PCB-178	45.88	45.88	5.730e3	5.916e3	1.050	0.97	NO	30.443	30.443
6	137 PCB-175	46.24	46.25	1.004e3	9.675e2	1.050	1.04	NO	5.0828	5.0828
7	138 PCB-182/187	46.42	46.42	3.636e4	3.515e4	1.050	1.03	NO	165.37	165.37
8	139 PCB-183	46.76	46.76	1.369e4	1.380e4	1.050	0.99	NO	66.276	66.276
9	140 PCB-185	47.44	47.44	2.698e3	2.890e3	1.050	0.93	NO	13.646	13.646
10	141 PCB-174	47.82	47.80	2.450e4	2.472e4	1.050	0.99	NO	124.81	124.81
11	143 PCB-177	48.08	48.08	1.360e4	1.325e4	1.050	1.03	NO	72.158	72.158



#	Name	Resp	RA	nLy	RRF	wtAnal	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.516	0.00		0.000		NO	1011		5.98	1013
234	234 4th Function Octa-PCBs				1.0008	5.516	0.00		0.000		NO	202.4		1.67	212.2
235	235 5th Function Octa-PCBs				1.1499	5.516	0.00		0.000		NO	75.66		1.03	77.44

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nLy	EMPC	Conc.
12	144 PCB-171	48.38	48.39	5.949e3	5.836e3	1.050	1.02	NO	30.737	30.737
13	145 PCB-173	48.82	48.82	4.592e2	3.675e2	1.050	1.25	YES	2.1735	0.00000
14	146 PCB-172	49.30	49.30	4.003e3	3.534e3	1.050	1.13	NO	18.814	18.814
15	148 PCB-180	49.71	49.71	5.531e4	5.105e4	1.050	1.08	NO	258.62	258.62
16	149 PCB-193	49.92	49.92	3.439e3	3.484e3	1.050	0.99	NO	14.170	14.170
17	150 PCB-191	50.18	50.19	1.165e3	1.060e3	1.050	1.10	NO	4.4656	4.4656
18	151 PCB-170	51.38	51.38	1.869e4	1.865e4	1.050	1.00	NO	106.03	106.03
19	152 PCB-190	51.57	51.59	5.102e3	5.184e3	1.050	0.96	NO	22.099	22.099
20	153 PCB-189	53.11	53.10	9.545e2	8.230e2	1.050	1.16	NO	3.8804	3.8804

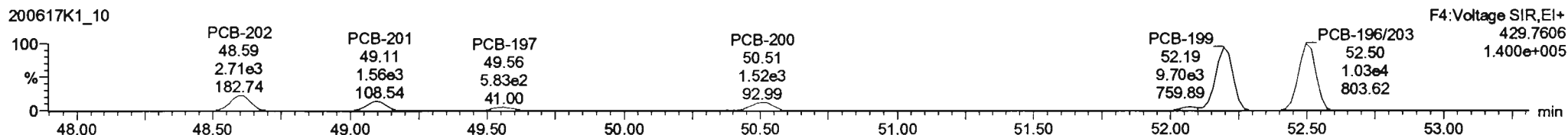
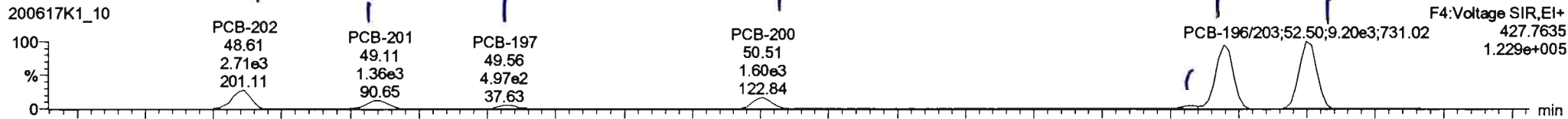


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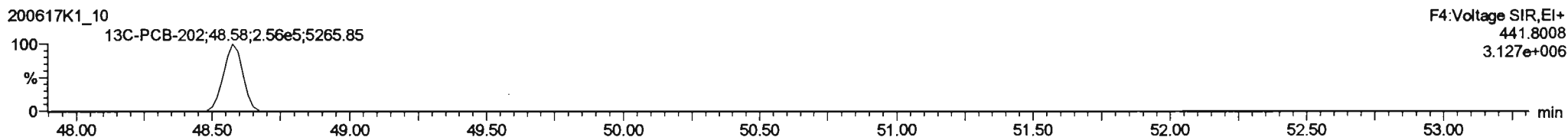
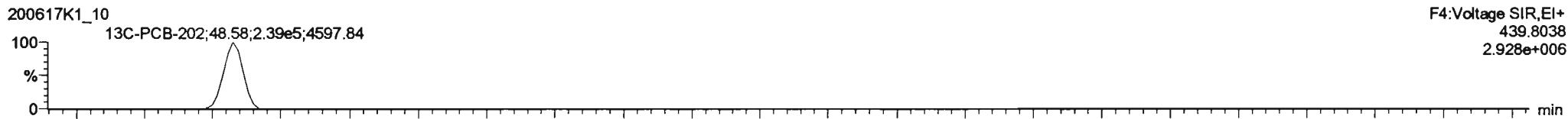
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_10, Date: 17-Jun-2020, Time: 22:25:35, ID: 2001154-01 PDI-171SC-A-00-01-200521 10, Description: PDI-171SC-A-00-01-200521

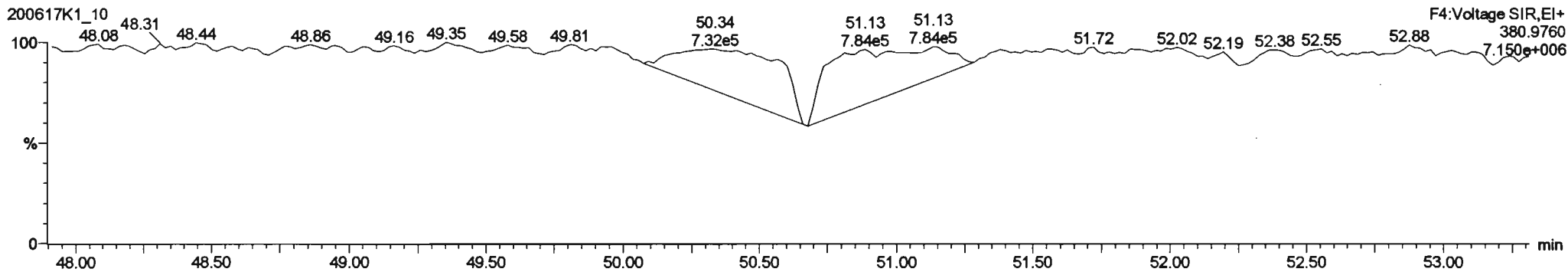
**PCB-202**



**13C-PCB-202**

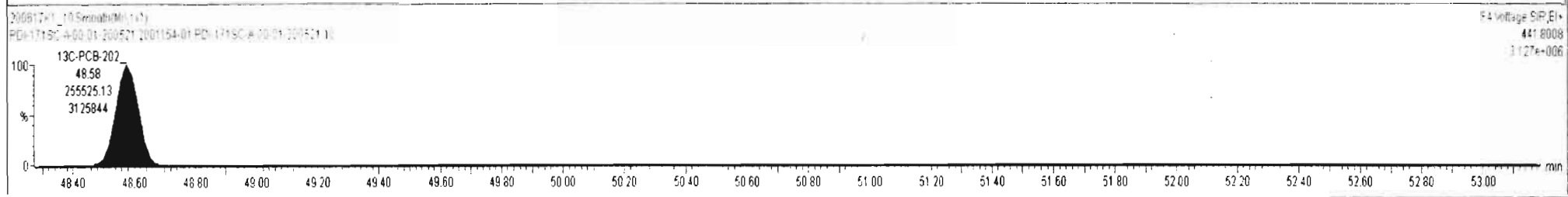
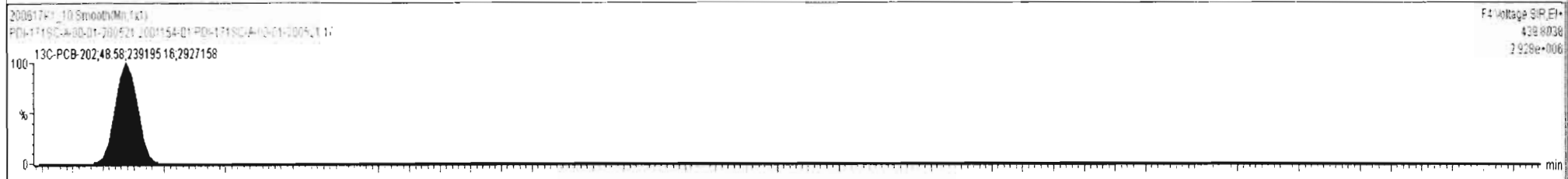
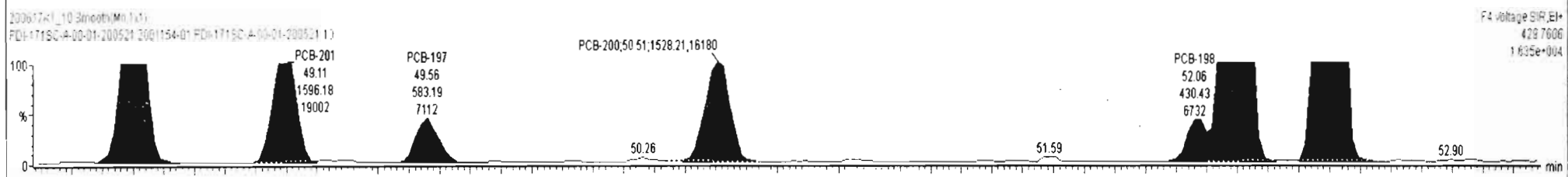
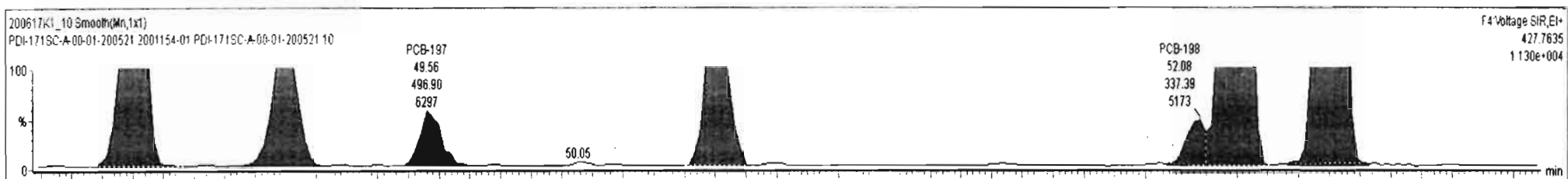


**PFK4d**



#	Name	Resp	RA	nly	RRF	wt/rd	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.516	0.00		0.000		NO	1011		5.98	1013
234	234 4th Function Octa-PCBs				1.0008	5.516	0.00		0.000		NO	203.0		1.67	212.9
235	235 5th Function Octa-PCBs				1.1499	5.516	0.00		0.000		NO	75.86		1.03	77.44

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
1	154 PCB-202	48.61	48.61	2.705e3	2.706e3	0.890	1.00	NO	16.975	16.975
2	155 PCB-201	49.10	49.11	1.359e3	1.596e3	0.890	0.85	NO	10.287	10.287
3	157 PCB-197	49.57	49.56	4.983e2	5.832e2	0.890	0.85	NO	3.4944	3.4944
4	158 PCB-200	50.50	50.51	1.604e3	1.528e3	0.890	1.05	YES	9.8887	0.00000
5	159 PCB-198	52.08	52.08	3.374e2	4.304e2	0.890	0.78	NO	3.5444	3.5444
6	160 PCB-199	52.18	52.19	8.682e3	9.712e3	0.890	0.89	NO	83.293	83.293
7	161 PCB-196/203	52.50	52.50	9.253e3	1.029e4	0.890	0.90	NO	85.438	85.438

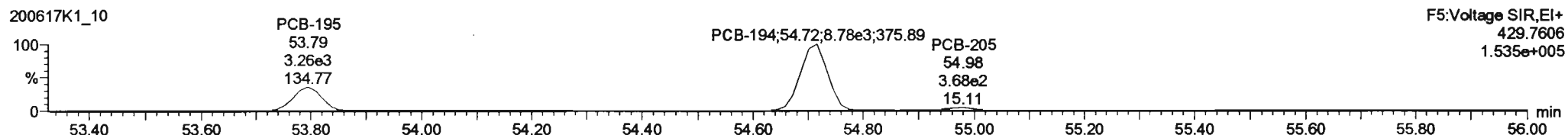
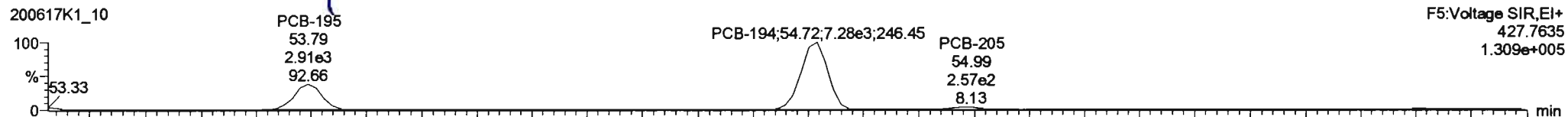


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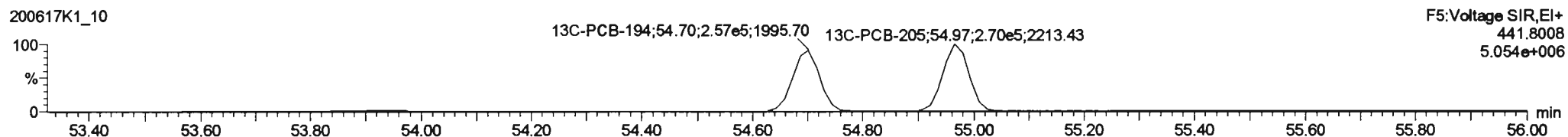
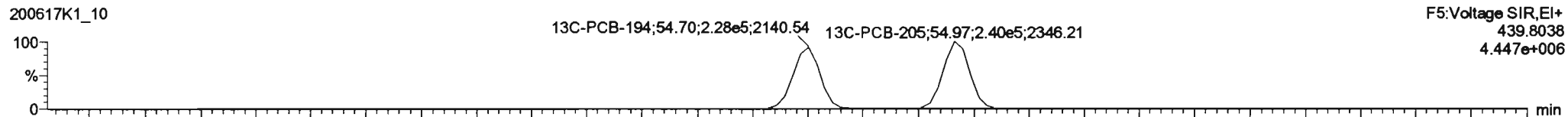
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_10, Date: 17-Jun-2020, Time: 22:25:35, ID: 2001154-01 PDI-171SC-A-00-01-200521 10, Description: PDI-171SC-A-00-01-200521

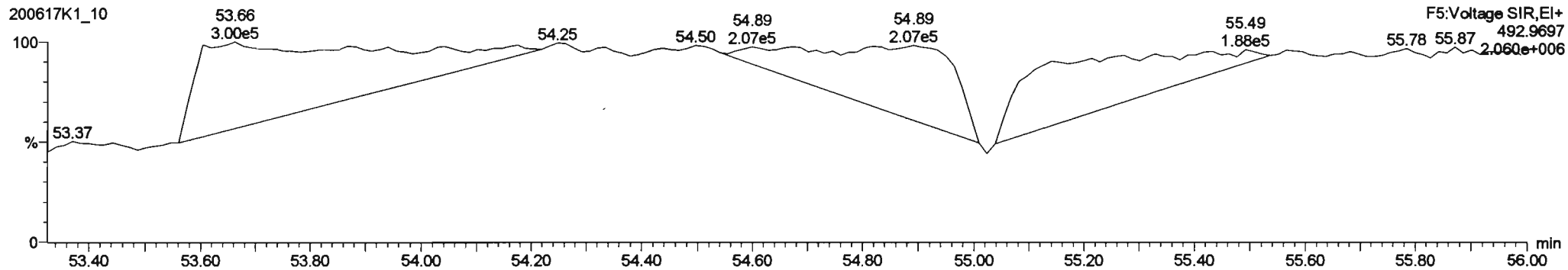
**PCB-195**



**13C-PCB-194**



**PFK5a**



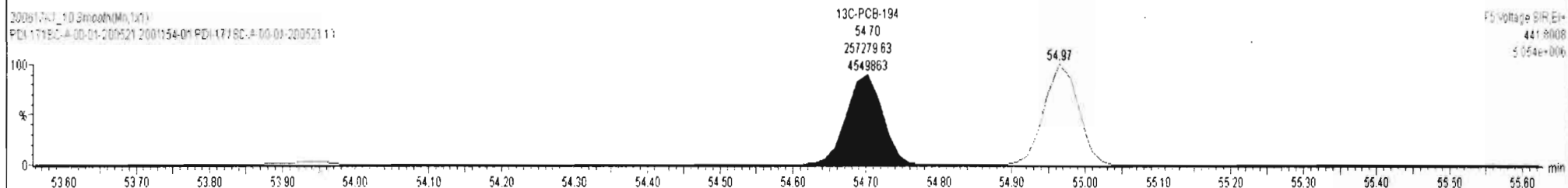
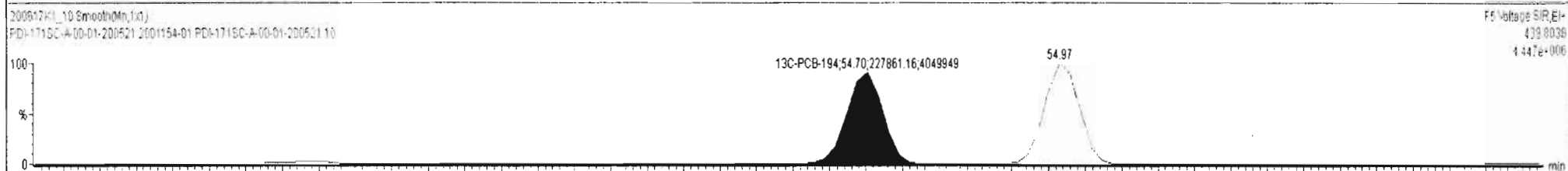
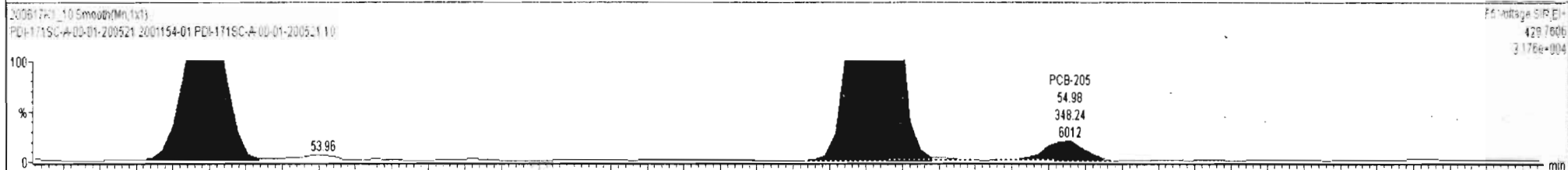
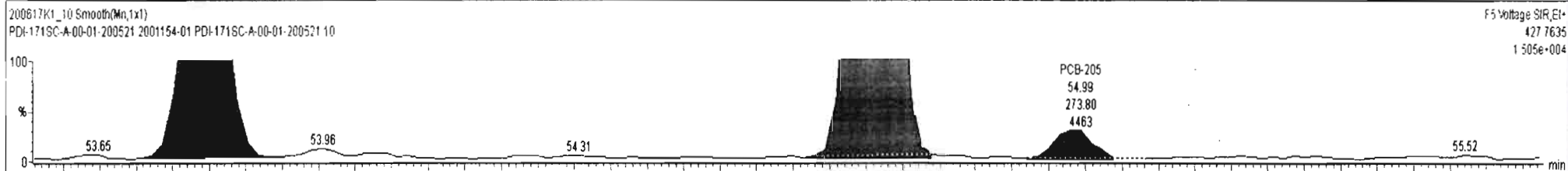




200617K1\_10 - 2001154-01 PDI-171SC-A-00-01-200521 10 - PDI-171SC-A-00-01-200521

#	Name	Resp	RA	nly	RRF	wVal	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.516	0.00		0.000		NO	1011		5.98	1013
234	234 4th Function Octa-PCBs				1.0008	5.516	0.00		0.000		NO	203.0		1.67	212.9
235	235 9th Function Octa-PCBs				1.1499	5.516	0.00		0.000		NO	77.86		1.03	77.86

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	162 PCB-195	53.80	53.79	2.907e3	3.262e3	0.890	0.89	NO	22.072	22.072
2	163 PCB-194	54.72	54.72	7.345e3	8.779e3	0.890	0.84	NO	53.988	53.988
3	164 PCB-205	54.98	54.99	2.738e2	3.482e2	0.890	0.79	NO	1.8028	1.8028



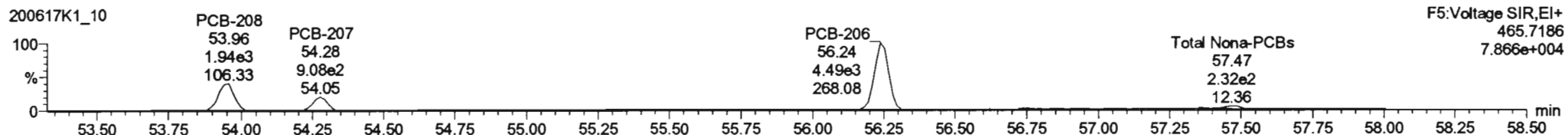
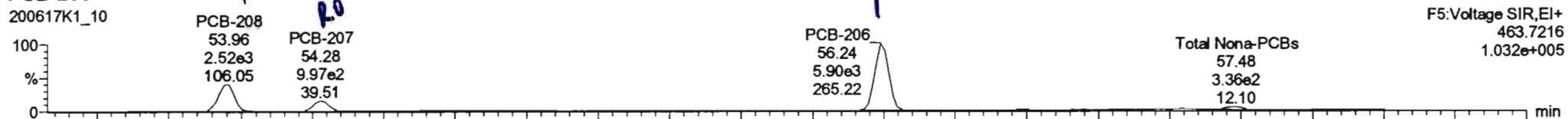
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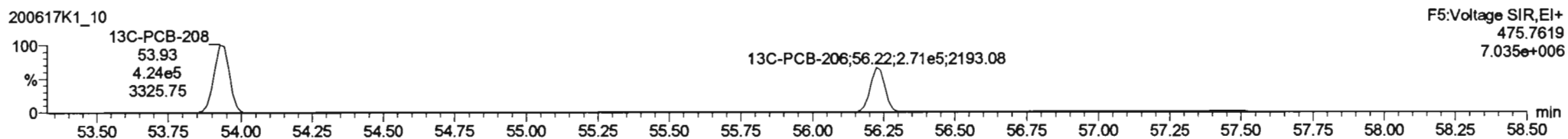
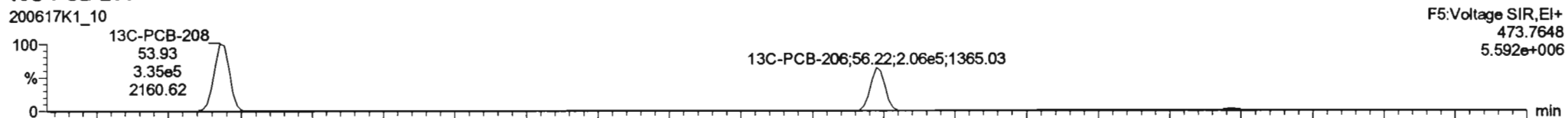
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Name: 200617K1\_10, Date: 17-Jun-2020, Time: 22:25:35, ID: 2001154-01 PDI-171SC-A-00-01-200521 10, Description: PDI-171SC-A-00-01-200521

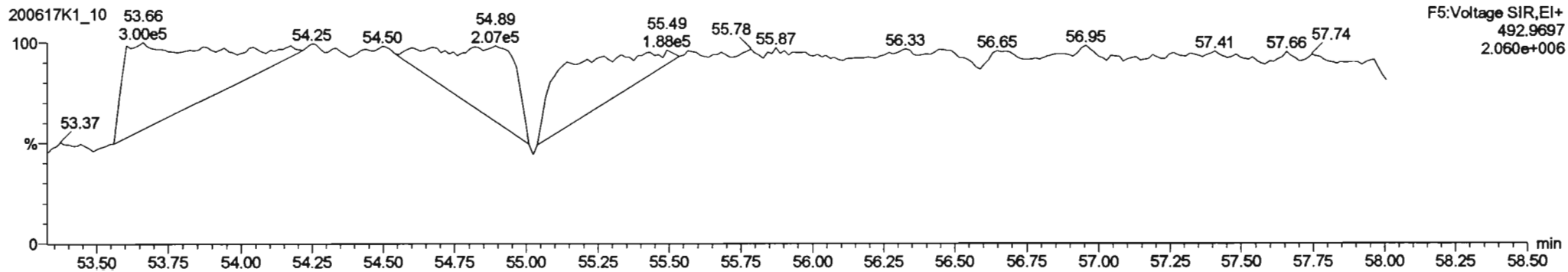
**PCB-208**



**13C-PCB-208**



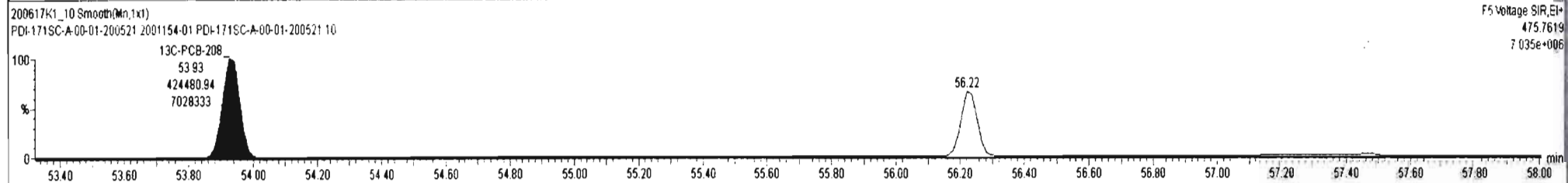
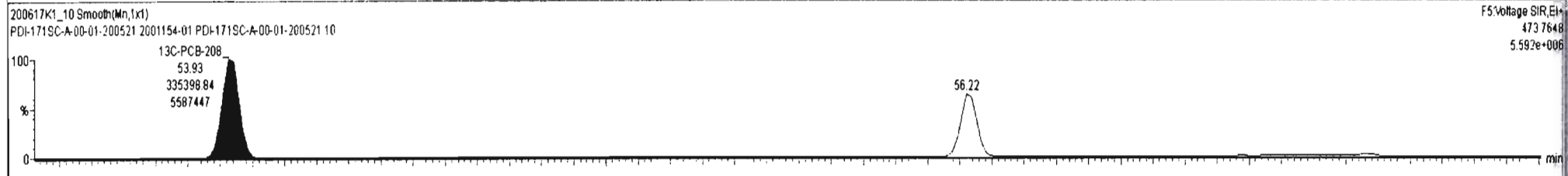
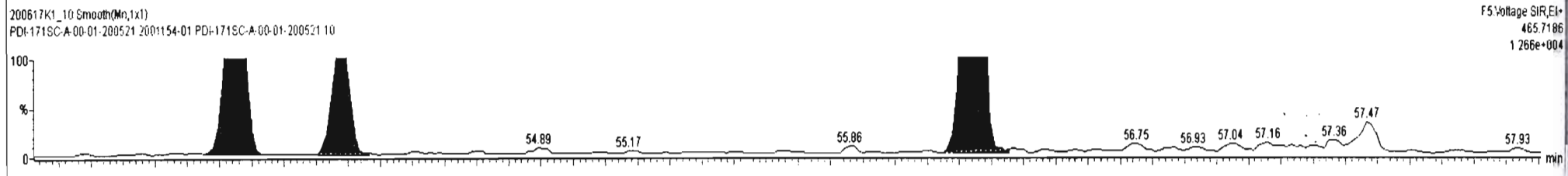
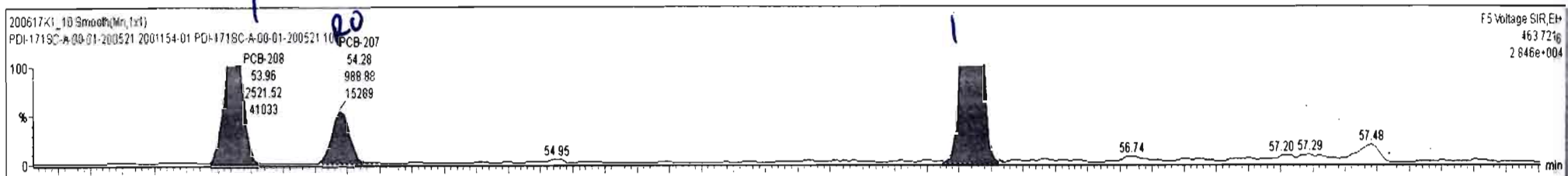
**PFK5**



200617K1\_10 - 2001154-01 - PCB-1715-A-00-01-200521-10 - PCB-1715-A-00-01-200521-10

#	Name	Resp	RA	n/y	RRF	wt/val	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.516	0.00		0.000		NO	1011		5.98	1013
234	234 4th Function Octa-PCBs				1.0008	5.516	0.00		0.000		NO	203.0		1.67	212.9
235	235 5th Function Octa-PCBs				1.1499	5.516	0.00		0.000		NO	77.86		1.03	77.86

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	165 PCB-208	53.94	53.96	2.522e3	1.943e3	1.340	1.30	NO	11.415	11.415
2	166 PCB-207	54.26	54.28	9.889e2	9.140e2	1.340	1.08	YES	4.4961	0.00000
3	167 PCB-206	56.24	56.24	5.923e3	4.528e3	1.340	1.31	NO	39.416	39.416



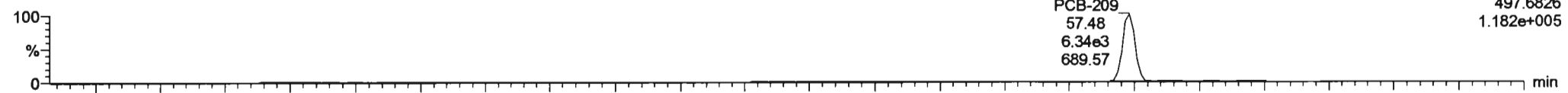
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

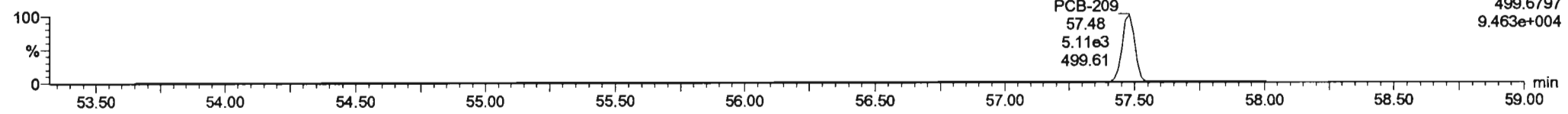
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**PCB-209**

200617K1\_10

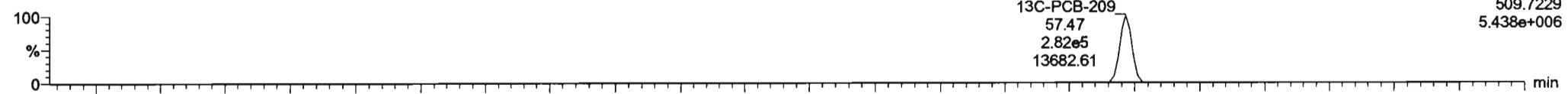


200617K1\_10

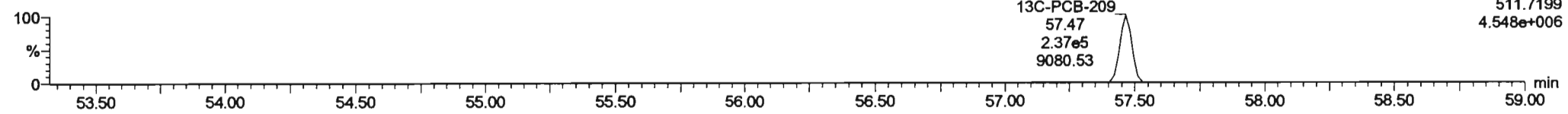


**13C-PCB-209**

200617K1\_10

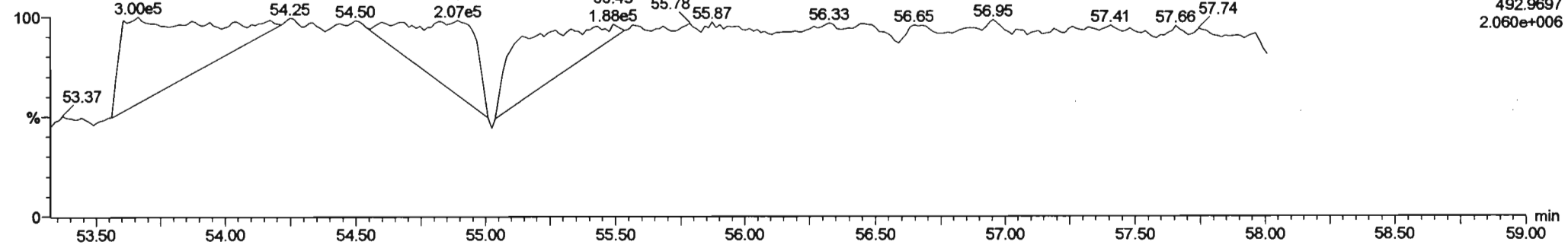


200617K1\_10



**PFK5b**

200617K1\_10



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-6.qld

Last Altered: Friday, June 26, 2020 4:29:57 PM Pacific Daylight Time  
 Printed: Friday, June 26, 2020 4:37:14 PM Pacific Daylight Time

*dy 06-26-2020*

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

*C7 07/02/2020*

Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 Duplicate 10, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	2.55e3	3.28	NO	1.17	5.261	15.55	15.57	1.001	1.001	NO	4.236		0.399	4.236
2	2 PCB-2	9.51e3	2.89	NO	1.18	5.261	17.98	17.99	0.988	0.988	NO	13.48		0.256	13.48
3	3 PCB-3	3.26e3	2.87	NO	1.15	5.261	18.21	18.22	1.001	1.001	NO	4.757		0.264	4.757
4	4 PCB-4/10	9.27e3	1.34	NO	1.25	5.261	19.62	19.56	1.004	1.001	NO	17.98		1.39	17.98
5	5 PCB-7/9			NO	0.960	5.261	21.43		1.003		YES			1.10	
6	6 PCB-6	4.59e3	1.64	NO	1.02	5.261	22.08	22.07	1.033	1.033	NO	6.695		1.03	6.695
7	7 PCB-5/8	1.96e4	1.58	NO	0.992	5.261	22.49	22.46	1.052	1.051	NO	29.47		1.06	29.47
8	8 PCB-14			NO	1.02	5.261	23.61		0.952		YES			1.13	
9	9 PCB-11	3.15e4	1.57	NO	1.13	5.261	24.83	24.83	1.001	1.001	NO	39.39		1.02	39.39
10	10 PCB-12/13			NO	1.03	5.261	25.27		1.018		YES			1.12	
11	11 PCB-15	1.79e4	1.46	NO	1.03	5.261	25.58	25.55	1.031	1.029	NO	24.34		1.11	24.34
12	12 PCB-19	7.27e3	1.00	NO	1.11	5.261	23.80	23.79	1.001	1.001	NO	22.11		0.986	22.11
13	13 PCB-30			NO	1.79	5.261	24.70		1.039		YES			0.608	
14	14 PCB-18	2.27e4	1.04	NO	0.818	5.261	25.46	25.47	0.952	0.952	NO	63.31		0.886	63.31
15	15 PCB-17	1.31e4	1.07	NO	0.758	5.261	25.63	25.65	0.958	0.959	NO	39.52		0.955	39.52
16	16 PCB-24/27	4.21e3	0.94	NO	1.08	5.261	26.25	26.22	0.981	0.980	NO	8.869		0.669	8.869
17	17 PCB-16/32	1.97e4	0.99	NO	0.925	5.261	26.77	26.77	1.001	1.001	NO	48.50		0.783	48.50
18	18 PCB-34	1.15e3	1.49	YES	0.945	5.261	27.58	27.60	0.959	0.959	NO	1.823		0.678	1.497
19	19 PCB-23			NO	0.883	5.261	27.67		0.962		YES			0.726	
20	20 PCB-29			NO	0.893	5.261	27.93		0.971		YES			0.718	
21	21 PCB-26	1.42e4	1.00	NO	0.944	5.261	28.16	28.16	0.979	0.979	NO	22.58		0.680	22.58
22	22 PCB-25	8.55e3	1.19	NO	0.950	5.261	28.31	28.32	0.984	0.984	NO	13.50		0.675	13.50
23	23 PCB-31	6.84e4	1.01	NO	1.04	5.261	28.68	28.68	0.997	0.997	NO	99.00		0.619	99.00
24	24 PCB-28	8.67e4	1.03	NO	1.03	5.261	28.79	28.79	1.001	1.001	NO	126.9		0.626	126.9
25	25 PCB-20/21/33	3.36e4	0.96	NO	0.941	5.261	29.43	29.44	1.023	1.023	NO	53.63		0.681	53.63
26	26 PCB-22	2.32e4	1.06	NO	0.973	5.261	29.87	29.89	1.038	1.039	NO	35.77		0.659	35.77
27	27 PCB-36	7.18e2	1.06	NO	1.08	5.261	30.52	30.52	0.931	0.931	NO	1.044		0.630	1.044
28	28 PCB-39	8.90e2	2.18	YES	0.988	5.261	31.00	31.00	0.946	0.946	NO	1.409		0.626	0.9039
29	29 PCB-38	1.50e3	0.87	YES	1.05	5.261	31.80	31.82	0.970	0.971	NO	2.221		0.645	2.033
30	30 PCB-35	2.55e3	1.01	NO	1.04	5.261	32.34	32.34	0.987	0.987	NO	3.822		0.650	3.822

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-6.qld

Last Altered: Friday, June 26, 2020 4:29:57 PM Pacific Daylight Time

Printed: Friday, June 26, 2020 4:37:14 PM Pacific Daylight Time

Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 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	2.56e4	1.06	NO	1.01	5.261	32.79	32.79	1.001	1.001	NO	39.70		0.672	39.70
32	32 PCB-54	2.60e3	0.88	NO	1.08	5.261	27.64	27.64	1.001	1.001	NO	5.806		0.347	5.806
33	33 PCB-50	6.51e2	0.88	NO	0.880	5.261	28.83	28.83	1.044	1.044	NO	1.788		0.426	1.788
34	34 PCB-53	1.49e4	0.72	NO	0.997	5.261	29.51	29.50	0.944	0.943	NO	42.42		0.438	42.42
35	35 PCB-51	8.92e3	0.81	NO	1.07	5.261	29.85	29.85	0.955	0.955	NO	23.78		0.409	23.78
36	36 PCB-45	7.56e3	0.79	NO	0.858	5.261	30.30	30.30	0.969	0.969	NO	25.01		0.508	25.01
37	37 PCB-46	3.43e3	0.76	NO	0.831	5.261	30.80	30.80	0.985	0.985	NO	11.73		0.525	11.73
38	38 PCB-52/69	9.35e4	0.75	NO	1.17	5.261	31.30	31.28	1.001	1.001	NO	227.6		0.374	227.6
39	39 PCB-73	7.44e2	0.94	YES	1.44	5.261	31.41	31.43	1.005	1.005	NO	1.463		0.302	1.337
40	40 PCB-43/49	6.40e4	0.75	NO	1.02	5.261	31.59	31.60	1.010	1.011	NO	178.9		0.429	178.9
41	41 PCB-47	3.27e4	0.77	NO	0.922	5.261	31.80	31.82	1.001	1.001	NO	91.44		0.461	91.44
42	42 PCB-48/75	1.31e4	0.82	NO	1.12	5.261	31.92	31.93	1.004	1.005	NO	30.08		0.379	30.08
43	43 PCB-65			NO	1.28	5.261	32.19		1.013		YES			0.331	
44	44 PCB-62			NO	1.13	5.261	32.29		1.016		YES			0.377	
45	45 PCB-44	5.00e4	0.80	NO	0.824	5.261	32.64	32.62	1.027	1.026	NO	156.3		0.516	156.3
46	46 PCB-42/59	2.11e4	0.76	NO	1.05	5.261	32.87	32.86	1.034	1.034	NO	51.66		0.405	51.66
47	47 PCB-41/64/71/72	6.33e4	0.79	NO	1.19	5.261	33.47	33.46	1.053	1.053	NO	137.3		0.358	137.3
48	48 PCB-68	1.75e3	0.71	NO	1.28	5.261	33.72	33.74	1.061	1.061	NO	3.525		0.332	3.525
49	49 PCB-40	7.59e3	0.68	NO	0.602	5.261	33.95	33.94	1.068	1.068	NO	32.46		0.706	32.46
50	50 PCB-57	8.69e2	0.74	NO	1.16	5.261	34.32	34.33	0.969	0.970	NO	1.667		0.297	1.667
51	51 PCB-67	2.50e3	0.66	NO	1.08	5.261	34.64	34.65	0.978	0.978	NO	5.156		0.319	5.156
52	52 PCB-58	9.45e2	0.74	NO	1.20	5.261	34.76	34.76	0.982	0.982	NO	1.752		0.287	1.752
53	53 PCB-63	3.74e3	0.77	NO	1.07	5.261	34.91	34.93	0.986	0.986	NO	7.786		0.323	7.786
54	54 PCB-74	3.46e4	0.74	NO	1.19	5.261	35.22	35.21	0.994	0.994	NO	65.10		0.292	65.10
55	55 PCB-61/70	9.63e4	0.75	NO	1.05	5.261	35.43	35.43	1.000	1.001	NO	203.9		0.328	203.9
56	56 PCB-76/66	8.69e4	0.77	NO	1.16	5.261	35.62	35.64	1.006	1.006	NO	166.5		0.297	166.5
57	57 PCB-80	4.98e2	1.20	YES	1.19	5.261	35.86	35.86	1.001	1.001	NO	0.8714		0.272	0.7018
58	58 PCB-55	1.79e3	0.88	NO	1.17	5.261	36.18	36.18	1.010	1.009	NO	3.186		0.276	3.186
59	59 PCB-56/60	4.52e4	0.75	NO	1.02	5.261	36.70	36.70	1.024	1.024	NO	92.27		0.317	92.27
60	60 PCB-79	2.62e3	0.78	NO	1.14	5.261	37.80	37.81	1.055	1.055	NO	4.773		0.284	4.773
61	61 PCB-78	8.83e2	1.00	YES	1.14	5.261	38.52	38.52	0.987	0.987	NO	1.698		0.306	1.504
62	62 PCB-81	1.63e3	0.69	NO	1.05	5.261	39.06	39.12	1.000	1.002	NO	3.397		0.332	3.397
63	63 PCB-77	8.85e3	0.73	NO	1.14	5.261	39.68	39.67	1.000	1.000	NO	17.30		0.318	17.30

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-6.qld

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Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 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			NO	1.12	5.261	32.47		1.001		YES			0.347	
65	65 PCB-96	1.19e3	1.08	YES	1.15	5.261	33.80	33.78	1.041	1.041	NO	4.355		0.387	3.712
66	66 PCB-103	2.60e3	1.72	NO	0.936	5.261	34.36	34.35	1.059	1.058	NO	11.66		0.415	11.66
67	67 PCB-100	2.34e3	1.73	NO	0.954	5.261	34.71	34.72	1.069	1.070	NO	10.32		0.408	10.32
68	68 PCB-94	7.19e2	1.71	NO	0.949	5.261	35.19	35.19	0.985	0.985	NO	3.984		0.522	3.984
69	69 PCB-95/98/102	6.57e4	1.63	NO	1.20	5.261	35.67	35.75	0.999	1.001	NO	286.5		0.411	286.5
70	70 PCB-93			NO	0.935	5.261	35.79		1.002		YES			0.529	
71	71 PCB-88/91	1.22e4	1.59	NO	1.06	5.261	36.14	36.16	1.012	1.013	NO	60.35		0.465	60.35
72	72 PCB-121			NO	1.71	5.261	36.23		1.015		YES			0.290	
73	73 PCB-84/92	2.87e4	1.51	NO	1.02	5.261	37.10	37.09	0.990	0.990	NO	150.2		0.486	150.2
74	74 PCB-89	9.39e2	1.68	NO	1.11	5.261	37.27	37.28	0.995	0.995	NO	4.523		0.448	4.523
75	75 PCB-90/101	8.61e4	1.61	NO	1.12	5.261	37.48	37.48	1.000	1.000	NO	408.0		0.441	408.0
76	76 PCB-113			NO	1.51	5.261	37.72		1.007		YES			0.327	
77	77 PCB-99	3.64e4	1.49	NO	1.32	5.261	37.81	37.81	1.009	1.009	NO	146.5		0.375	146.5
78	78 PCB-119	4.54e3	1.34	NO	1.81	5.261	38.30	38.30	0.987	0.987	NO	14.95		0.310	14.95
79	79 PCB-108/112	3.57e3	1.61	NO	1.44	5.261	38.45	38.47	0.991	0.991	NO	14.68		0.388	14.68
80	80 PCB-83	3.61e2	1.67	NO	1.83	5.261	38.61	38.63	0.995	0.996	NO	1.172		0.306	1.172
81	81 PCB-97	1.66e4	1.72	NO	1.28	5.261	38.82	38.82	1.000	1.000	NO	77.12		0.437	77.12
82	82 PCB-86			NO	1.12	5.261	38.97		1.004		YES			0.502	
83	83 PCB-87/117/125	2.46e4	1.57	NO	1.56	5.261	39.12	39.12	1.008	1.008	NO	93.98		0.360	93.98
84	84 PCB-111/115	2.17e3	1.57	NO	1.91	5.261	39.27	39.27	1.012	1.012	NO	6.759		0.293	6.759
85	85 PCB-85/116	1.14e4	1.69	NO	1.41	5.261	39.40	39.38	1.015	1.015	NO	48.07		0.397	48.07
86	86 PCB-120	1.05e3	1.77	NO	2.01	5.261	39.66	39.66	1.022	1.022	NO	3.111		0.280	3.111
87	87 PCB-110	9.83e4	1.67	NO	1.74	5.261	39.79	39.81	1.026	1.026	NO	335.4		0.322	335.4
88	88 PCB-82	5.40e3	1.84	YES	0.781	5.261	40.44	40.44	0.976	0.976	NO	30.24		0.585	27.25
89	89 PCB-124	3.50e3	1.52	NO	1.40	5.261	41.15	41.16	0.993	0.993	NO	10.95		0.311	10.95
90	90 PCB-107/109	6.73e3	1.64	NO	1.34	5.261	41.29	41.31	0.996	0.997	NO	21.94		0.324	21.94
91	91 PCB-123	1.55e3	1.37	NO	1.20	5.261	41.46	41.48	1.000	1.001	NO	5.672		0.363	5.672
92	92 PCB-106/118	7.24e4	1.58	NO	1.22	5.261	41.69	41.67	1.001	1.000	NO	247.6		0.331	247.6
93	93 PCB-114	2.50e3	1.71	NO	1.14	5.261	42.34	42.34	1.000	1.000	NO	4.959		0.414	4.959
94	94 PCB-122	1.26e3	1.73	NO	0.944	5.261	42.49	42.47	1.004	1.004	NO	3.030		0.500	3.030
95	95 PCB-105	3.85e4	1.55	NO	1.05	5.261	43.23	43.23	1.000	1.000	NO	81.72		0.446	81.72
96	96 PCB-127			NO	1.06	5.261	43.57		1.000		YES			0.412	

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-6.qld

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Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 Duplicate 10, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
97	97 PCB-126	9.09e2	1.52	NO	1.17	5.261	45.54	45.54	1.000	1.000	NO	1.844		0.438	1.844
98	98 PCB-155	1.39e2	0.96	YES	1.04	5.261	37.00	36.99	1.000	1.000	NO	1.202		0.458	1.063
99	99 PCB-150	4.32e2	0.81	YES	1.08	5.261	38.32	38.30	1.036	1.036	NO	3.590		0.441	2.903
100	1... PCB-152	2.89e2	1.08	NO	1.19	5.261	38.80	38.80	1.049	1.049	NO	2.196		0.403	2.196
101	1... PCB-145			NO	1.19	5.261	39.27		1.062		YES			0.402	
102	1... PCB-136	1.03e4	1.37	NO	1.02	5.261	39.60	39.60	1.071	1.071	NO	91.16		0.468	91.16
103	1... PCB-148	1.37e2	0.69	YES	0.842	5.261	39.71	39.71	1.074	1.074	NO	1.486		0.508	1.082
104	1... PCB-154	1.37e3	1.20	NO	0.919	5.261	40.22	40.22	1.088	1.088	NO	13.47		0.520	13.47
105	1... PCB-151	1.20e4	1.21	NO	0.787	5.261	40.88	40.88	1.105	1.106	NO	137.7		0.608	137.7
106	1... PCB-135	6.95e3	1.29	NO	0.922	5.261	41.09	41.11	1.111	1.112	NO	67.90		0.518	67.90
107	1... PCB-144	1.79e3	1.40	NO	0.789	5.261	41.20	41.20	1.114	1.114	NO	20.40		0.606	20.40
108	1... PCB-147	1.30e3	1.13	NO	0.834	5.261	41.33	41.35	1.118	1.118	NO	14.04		0.573	14.04
109	1... PCB-139/149	4.13e4	1.26	NO	0.948	5.261	41.62	41.61	1.125	1.125	NO	392.3		0.504	392.3
110	1... PCB-140	3.58e2	1.35	NO	0.794	5.261	41.80	41.81	1.130	1.131	NO	4.066		0.602	4.066
111	1... PCB-134/143	6.24e3	1.25	NO	0.759	5.261	42.28	42.28	0.975	0.975	NO	22.90		0.542	22.90
112	1... PCB-131/133	4.67e3	1.30	NO	0.821	5.261	42.58	42.57	0.982	0.982	NO	15.84		0.501	15.84
113	1... PCB-142	2.52e2	1.28	NO	0.754	5.261	42.72	42.72	0.985	0.985	NO	0.9286		0.546	0.9286
114	1... PCB-146/165	3.04e4	1.25	NO	1.02	5.261	42.97	42.99	0.991	0.991	NO	83.34		0.405	83.34
115	1... PCB-132/161	3.95e4	1.24	NO	1.02	5.261	43.20	43.25	0.996	0.997	NO	107.4		0.402	107.4
116	1... PCB-153	1.67e5	1.24	NO	1.07	5.261	43.38	43.40	1.000	1.001	NO	433.9		0.384	433.9
117	1... PCB-168	7.13e2	1.08	NO	1.08	5.261	43.61	43.63	1.006	1.006	NO	1.841		0.382	1.841
118	1... PCB-141	2.47e4	1.24	NO	1.03	5.261	44.16	44.16	1.000	1.000	NO	80.21		0.476	80.21
119	1... PCB-137	4.18e3	1.14	NO	1.11	5.261	44.56	44.56	1.010	1.009	NO	12.52		0.440	12.52
120	1... PCB-130	7.82e3	1.10	NO	0.885	5.261	44.66	44.65	1.012	1.012	NO	29.39		0.552	29.39
121	1... PCB-138/163/164	1.62e5	1.20	NO	1.28	5.261	45.05	45.03	1.001	1.000	NO	406.3		0.378	406.3
122	1... PCB-158/160	1.51e4	1.22	NO	1.24	5.261	45.30	45.28	1.006	1.006	NO	39.14		0.392	39.14
123	1... PCB-129	3.16e3	1.06	NO	0.867	5.261	45.56	45.54	1.012	1.012	NO	11.74		0.560	11.74
124	1... PCB-166	6.41e2	1.12	NO	1.14	5.261	46.02	46.02	0.993	0.993	NO	1.486		0.349	1.486
125	1... PCB-159			NO	1.22	5.261	46.36		1.000		YES			0.328	
126	1... PCB-128/162	1.77e4	1.19	NO	0.907	5.261	46.65	46.64	1.007	1.007	NO	51.73		0.440	51.73
127	1... PCB-167	6.04e3	1.28	NO	1.11	5.261	47.06	47.06	1.000	1.000	NO	14.52		0.350	14.52
128	1... PCB-156	1.28e4	1.16	NO	1.13	5.261	48.39	48.39	1.000	1.000	NO	30.91		0.361	30.91
129	1... PCB-157	2.46e3	1.30	NO	1.04	5.261	48.69	48.67	1.001	1.000	NO	6.546		0.404	6.546



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-6.qld

Last Altered: Friday, June 26, 2020 4:29:57 PM Pacific Daylight Time

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Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 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	5.261	50.94		1.000		YES			0.378	
131	1... PCB-188	4.04e2	1.11	NO	1.29	5.261	43.02	43.01	1.001	1.000	NO	1.297		0.450	1.297
132	1... PCB-184	4.03e2	2.51	YES	1.23	5.261	43.45	43.46	1.011	1.011	NO	1.254		0.471	0.7920
133	1... PCB-179	2.06e4	1.00	NO	1.30	5.261	44.28	44.28	1.030	1.030	NO	65.79		0.447	65.79
134	1... PCB-176	5.27e3	0.88	YES	1.31	5.261	44.74	44.77	1.041	1.041	NO	16.89		0.443	15.24
135	1... PCB-186			NO	1.33	5.261	45.37		1.055		YES			0.437	
136	1... PCB-178	7.09e3	1.16	NO	0.943	5.261	45.89	45.90	1.067	1.068	NO	31.15		0.615	31.15
137	1... PCB-175	1.33e3	1.27	YES	0.956	5.261	46.24	46.24	1.076	1.076	NO	5.775		0.607	5.214
138	1... PCB-182/187	4.39e4	1.10	NO	1.07	5.261	46.42	46.42	1.080	1.080	NO	170.6		0.544	170.6
139	1... PCB-183	1.74e4	1.10	NO	1.02	5.261	46.76	46.76	1.088	1.088	NO	70.31		0.567	70.31
140	1... PCB-185	3.28e3	1.12	NO	1.41	5.261	47.44	47.44	0.955	0.955	NO	13.99		0.605	13.99
141	1... PCB-174	3.13e4	1.04	NO	1.35	5.261	47.82	47.82	0.962	0.962	NO	138.6		0.628	138.6
142	1... PCB-181			NO	1.47	5.261	47.91		0.964		YES			0.577	
143	1... PCB-177	1.72e4	1.11	NO	1.28	5.261	48.08	48.10	0.968	0.968	NO	80.79		0.666	80.79
144	1... PCB-171	7.10e3	1.05	NO	1.32	5.261	48.38	48.40	0.974	0.974	NO	32.30		0.646	32.30
145	1... PCB-173	7.14e2	0.96	NO	1.19	5.261	48.82	48.82	0.983	0.982	NO	3.593		0.715	3.593
146	1... PCB-172	4.63e3	1.09	NO	1.38	5.261	49.30	49.29	0.992	0.992	NO	20.17		0.618	20.17
147	1... PCB-192			NO	1.83	5.261	49.48		0.996		YES			0.466	
148	1... PCB-180	6.31e4	1.06	NO	1.41	5.261	49.71	49.71	1.000	1.000	NO	267.8		0.602	267.8
149	1... PCB-193	3.78e3	1.07	NO	1.68	5.261	49.92	49.92	1.005	1.005	NO	13.51		0.507	13.51
150	1... PCB-191	1.49e3	1.38	YES	1.71	5.261	50.18	50.19	1.010	1.010	NO	5.212		0.407	4.497
151	1... PCB-170	2.33e4	1.04	NO	1.40	5.261	51.38	51.38	1.000	1.000	NO	114.7		0.706	114.7
152	1... PCB-190	6.43e3	1.04	NO	1.85	5.261	51.57	51.59	1.004	1.004	NO	23.96		0.534	23.96
153	1... PCB-189	1.26e3	1.11	NO	1.45	5.261	53.11	53.10	1.000	1.000	NO	4.702		0.472	4.702
154	1... PCB-202	2.91e3	1.02	NO	1.17	5.261	48.61	48.59	1.001	1.000	NO	17.13		0.452	17.13
155	1... PCB-201	1.70e3	0.77	NO	1.05	5.261	49.10	49.11	1.011	1.011	NO	11.13		0.501	11.13
156	1... PCB-204			NO	1.14	5.261	49.25		1.014		YES			0.463	
157	1... PCB-197	5.34e2	1.30	YES	1.13	5.261	49.57	49.58	1.020	1.021	NO	3.245		0.466	2.668
158	1... PCB-200	1.49e3	0.97	NO	1.07	5.261	50.50	50.51	1.040	1.040	NO	9.556		0.493	9.556
159	1... PCB-198	4.12e2	1.41	YES	0.794	5.261	52.08	52.06	1.072	1.072	NO	3.578		0.665	2.804
160	1... PCB-199	9.82e3	0.96	NO	0.809	5.261	52.18	52.21	1.074	1.075	NO	83.55		0.652	83.55
161	1... PCB-196/203	1.02e4	0.89	NO	0.838	5.261	52.50	52.52	1.081	1.081	NO	84.11		0.630	84.11
162	1... PCB-195	5.48e3	0.88	NO	1.04	5.261	53.80	53.79	0.984	0.983	NO	22.36		0.383	22.36

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-6.qld

Last Altered: Friday, June 26, 2020 4:29:57 PM Pacific Daylight Time

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Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 Duplicate 10, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
163	1... PCB-194	1.30e4	0.93	NO	1.12	5.261	54.72	54.72	1.000	1.000	NO	49.62		0.359	49.62
164	1... PCB-205	6.71e2	0.57	YES	1.29	5.261	54.98	54.98	1.005	1.005	NO	2.217		0.310	1.704
165	1... PCB-208	4.30e3	1.29	NO	0.933	5.261	53.96	53.96	1.000	1.000	NO	15.15		0.332	15.15
166	1... PCB-207	1.61e3	1.48	NO	0.916	5.261	54.28	54.29	1.006	1.007	NO	5.774		0.338	5.774
167	1... PCB-206	8.03e3	1.31	NO	1.01	5.261	56.25	56.25	1.000	1.000	NO	39.84		0.444	39.84
168	1... PCB-209	9.10e3	1.31	NO	0.986	5.261	57.48	57.50	1.000	1.000	NO	50.18		0.174	50.18
169	1... 13C-PCB-1	9.78e5	3.26	NO	0.893	5.261	15.52	15.54	0.608	0.609	NO	1500	78.9	1.94	
170	1... 13C-PCB-3	1.13e6	3.18	NO	0.911	5.261	18.17	18.20	0.712	0.713	NO	1706	89.7	1.90	
171	1... 13C-PCB-4	7.86e5	1.58	NO	0.600	5.261	19.52	19.54	0.765	0.766	NO	1794	94.4	0.872	
172	1... 13C-PCB-9	1.27e6	1.59	NO	0.970	5.261	21.35	21.37	0.836	0.837	NO	1798	94.6	0.539	
173	1... 13C-PCB-11	1.35e6	1.59	NO	0.962	5.261	24.79	24.81	0.971	0.972	NO	1922	101	0.544	
174	1... 13C-PCB-19	5.65e5	1.06	NO	0.499	5.261	23.76	23.77	0.931	0.931	NO	1551	81.6	9.83	
175	1... 13C-PCB-32	8.33e5	1.08	NO	0.744	5.261	26.75	26.75	1.048	1.048	NO	1534	80.7	6.59	
176	1... 13C-PCB-28	1.27e6	1.01	NO	1.06	5.261	28.77	28.77	1.004	1.004	NO	1862	98.0	5.95	
177	1... 13C-PCB-37	1.22e6	1.01	NO	0.989	5.261	32.75	32.77	1.143	1.143	NO	1922	101	6.40	
178	1... 13C-PCB-54	7.87e5	0.79	NO	0.999	5.261	27.62	27.62	0.753	0.753	NO	1746	91.8	2.09	
179	1... 13C-PCB-52	6.69e5	0.81	NO	0.804	5.261	31.26	31.26	0.852	0.852	NO	1846	97.1	2.60	
180	1... 13C-PCB-47	7.38e5	0.80	NO	0.857	5.261	31.78	31.78	0.866	0.867	NO	1908	100	2.44	
181	1... 13C-PCB-70	8.52e5	0.80	NO	0.996	5.261	35.41	35.41	0.965	0.966	NO	1896	99.8	2.10	
182	1... 13C-PCB-80	9.15e5	0.80	NO	1.03	5.261	35.84	35.84	0.977	0.977	NO	1973	104	2.03	
183	1... 13C-PCB-81	8.70e5	0.79	NO	0.988	5.261	39.04	39.04	1.064	1.064	NO	1952	103	2.12	
184	1... 13C-PCB-77	8.55e5	0.81	NO	0.969	5.261	39.66	39.66	1.081	1.081	NO	1957	103	2.16	
185	1... 13C-PCB-104	4.52e5	1.67	NO	1.02	5.261	32.46	32.46	0.827	0.827	NO	1887	99.3	1.05	
186	1... 13C-PCB-95	3.62e5	1.66	NO	0.805	5.261	35.71	35.71	0.910	0.910	NO	1907	100	1.32	
187	1... 13C-PCB-101	3.57e5	1.65	NO	0.793	5.261	37.46	37.46	0.954	0.954	NO	1913	101	1.35	
188	1... 13C-PCB-97	3.20e5	1.64	NO	0.696	5.261	38.80	38.80	0.989	0.989	NO	1949	103	1.53	
189	1... 13C-PCB-123	4.35e5	1.64	NO	0.933	5.261	41.44	41.44	1.056	1.056	NO	1978	104	1.14	
190	1... 13C-PCB-118	4.56e5	1.64	NO	0.986	5.261	41.63	41.65	1.061	1.061	NO	1964	103	1.08	
191	1... 13C-PCB-114	8.40e5	1.57	NO	1.55	5.261	42.30	42.32	0.908	0.908	NO	2073	109	1.24	
192	1... 13C-PCB-105	8.53e5	1.57	NO	1.57	5.261	43.19	43.21	0.927	0.927	NO	2070	109	1.22	
193	1... 13C-PCB-127	8.80e5	1.56	NO	1.62	5.261	43.55	43.56	0.934	0.935	NO	2068	109	1.18	
194	1... 13C-PCB-126	8.00e5	1.59	NO	1.57	5.261	45.51	45.53	0.976	0.977	NO	1947	102	1.23	
195	1... 13C-PCB-155	2.11e5	1.32	NO	0.615	5.261	36.98	36.98	0.942	0.942	NO	1457	76.7	0.488	

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Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 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	6.83e5	1.29	NO	1.36	5.261	43.36	43.37	0.930	0.930	NO	1910	100	1.42	
197	1... 13C-PCB-141	5.71e5	1.26	NO	1.13	5.261	44.13	44.14	0.947	0.947	NO	1934	102	1.71	
198	1... 13C-PCB-138	5.91e5	1.27	NO	1.18	5.261	44.99	45.01	0.965	0.966	NO	1906	100	1.63	
199	1... 13C-PCB-159	7.17e5	1.26	NO	1.44	5.261	46.32	46.34	0.994	0.994	NO	1901	100	1.34	
200	2... 13C-PCB-167	7.14e5	1.26	NO	1.44	5.261	47.02	47.04	1.009	1.009	NO	1892	99.5	1.34	
201	2... 13C-PCB-156	7.00e5	1.27	NO	1.40	5.261	48.34	48.37	1.037	1.038	NO	1914	101	1.38	
202	2... 13C-PCB-157	6.87e5	1.28	NO	1.40	5.261	48.63	48.65	1.043	1.044	NO	1877	98.7	1.38	
203	2... 13C-PCB-169	6.66e5	1.27	NO	1.33	5.261	50.91	50.92	1.092	1.093	NO	1910	101	1.45	
204	2... 13C-PCB-188	4.59e5	0.46	NO	1.41	5.261	42.99	42.99	0.926	0.926	NO	1965	103	1.48	
205	2... 13C-PCB-180	3.17e5	0.47	NO	0.929	5.261	49.69	49.69	1.070	1.070	NO	2062	108	2.25	
206	2... 13C-PCB-170	2.75e5	0.47	NO	0.794	5.261	51.37	51.36	1.106	1.106	NO	2093	110	2.63	
207	2... 13C-PCB-189	3.52e5	0.46	NO	1.04	5.261	53.11	53.08	1.144	1.143	NO	2031	107	2.00	
208	2... 13C-PCB-202	2.76e5	0.95	NO	1.04	5.261	48.59	48.58	1.046	1.046	NO	1608	84.6	0.967	
209	2... 13C-PCB-194	4.46e5	0.91	NO	0.768	5.261	54.72	54.70	0.995	0.995	NO	2259	119	2.56	
210	2... 13C-PCB-208	5.78e5	0.79	NO	0.991	5.261	53.95	53.94	0.981	0.981	NO	2269	119	2.24	
211	2... 13C-PCB-206	3.80e5	0.78	NO	0.552	5.261	56.24	56.24	1.023	1.023	NO	2678	141	4.03	
212	2... 13C-PCB-209	3.50e5	1.22	NO	0.396	5.261	57.49	57.48	1.046	1.046	NO	3430	180	1.27	
213	2... 13C-PCB-15	1.39e6	1.59	NO	1.00	5.261	25.51	25.53	1.000	0.000	NO	1901	100	0.523	
214	2... 13C-PCB-31	1.22e6	1.05	NO	1.00	5.261	28.64	28.66	1.000	0.000	NO	1901	100	6.33	
215	2... 13C-PCB-60	8.57e5	0.80	NO	1.00	5.261	36.66	36.68	1.000	0.000	NO	1901	100	2.09	
216	2... 13C-PCB-111	4.48e5	1.66	NO	1.00	5.261	39.23	39.25	1.000	0.000	NO	1901	100	1.07	
217	2... 13C-PCB-128	4.98e5	1.26	NO	1.00	5.261	46.59	46.60	1.000	0.000	NO	1901	100	1.93	
218	2... 13C-PCB-182	3.15e5	0.46	NO	1.00	5.261	46.40	46.44	0.000	0.000	NO	1901	100	2.09	
219	2... 13C-PCB-205	4.89e5	0.89	NO	1.00	5.261	54.97	54.98	1.000	0.000	NO	1901	100	1.97	
220	2... 13C-PCB-79	9.44e5	0.79	NO	1.07	5.261	37.78	37.78	1.030	1.030	NO	1958	103	1.96	
221	2... 13C-PCB-178	3.22e5	0.45	NO	0.766	5.261	45.88	45.87	0.988	0.988	NO	1604	84.4	1.75	
222	2... 13C-PCB-79	9.44e5	0.79	NO	1.08	5.261	37.78	37.78	0.968	0.968	NO	1906	100	1.88	
223	2... 13C-PCB-178	3.22e5	0.45	NO	1.05	5.261	45.87	45.87	0.923	0.923	NO	1835	96.6	1.91	
224	2... Total Mono-PCBs				1.17	5.261	0.00		0.000		NO	22.47		0.918	22.47
225	2.. Total Di-PCBs				1.05	5.261	0.00		0.000		NO	117.9		8.96	117.9
226	2... 2nd Function Tri-PCBs				1.08	5.261	0.00		0.000		NO	182.3		4.89	182.3
227	2... 3rd Function Tri-PCBs				0.983	5.261	0.00		0.000		NO	395.9		9.35	400.4
228	2... Total Tetra-PCBs				1.08	5.261	0.00		0.000		NO	1593		11.9	1596

>578.2 -  
>582.7 -

Dataset: U:\VG11.PRO\Results\200617K1\200617K1-6.qld

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Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 Duplicate 10, Description: Duplicate

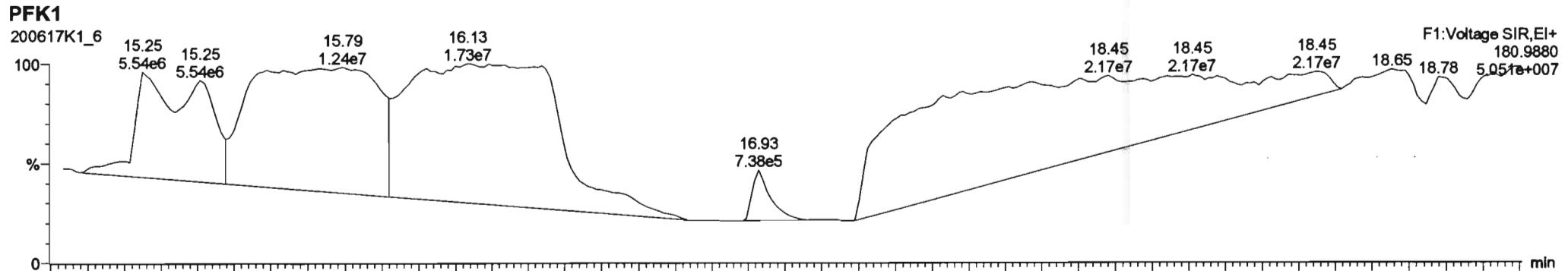
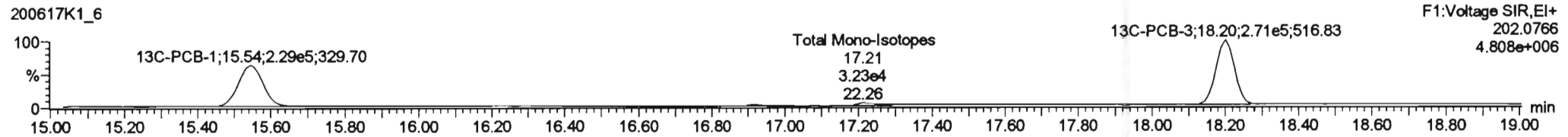
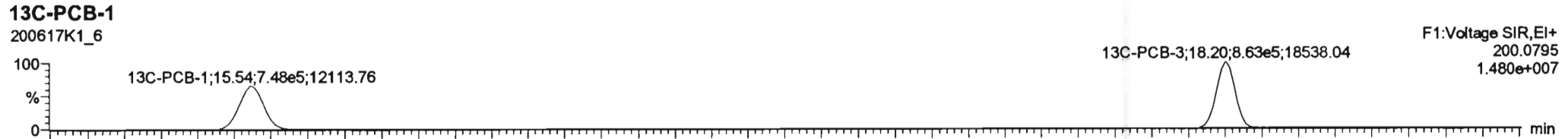
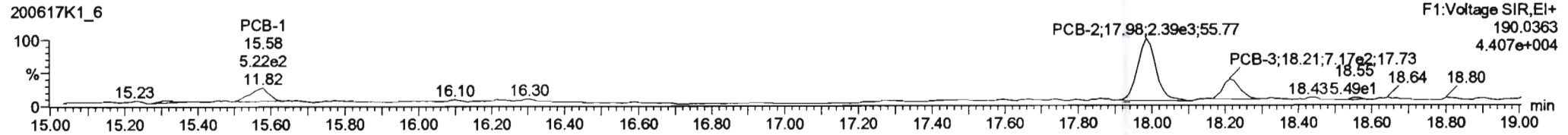
#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
229	2... 3rd Function Penta-PCBs				1.32	5.261	0.00		0.000		NO	1964	>2055.56 -	11.3	1995 >2086.56
230	2... 4th Function Penta-PCBs				1.07	5.261	0.00		0.000		NO	91.56		2.21	91.56
231	2... 3rd Function Hexa-PCBs				0.951	5.261	0.00		0.000		NO	743.3	>2094.3 -	6.67	748.3 >2099.3
232	2... 4th Function Hexa-PCBs				1.03	5.261	0.00		0.000		NO	1351		8.57	1351
233	2... Total Hepta-PCBs				1.36	5.261	0.00		0.000		NO	1053		12.8	1079
234	2... 4th Function Octa-PCBs				1.00	5.261	0.00		0.000		NO	205.5	>277.49 -	4.32	211.0 >284.69
235	2... 5th Function Octa-PCBs				1.15	5.261	0.00		0.000		NO	71.99		1.05	73.69
236	2... Total Nona-PCBs				0.952	5.261	0.00		0.000		NO	60.77		1.11	60.77
237	2... Deca-CB				0.986	5.261	0.00		0.000		NO	50.18		0.174	50.18
238	2... Total PCBs														

Dataset: Untitled

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

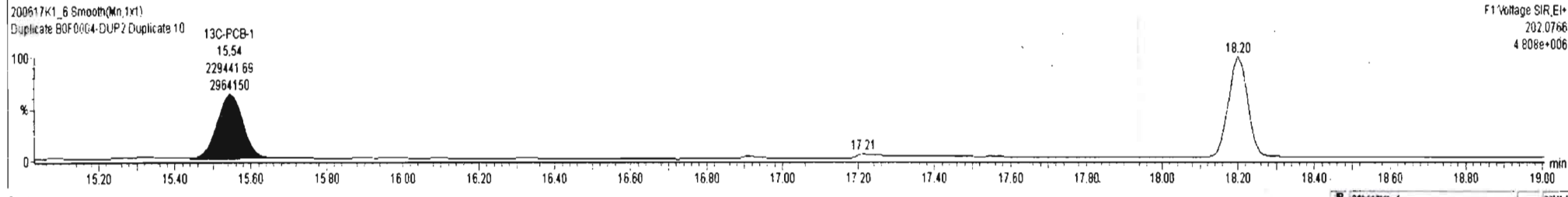
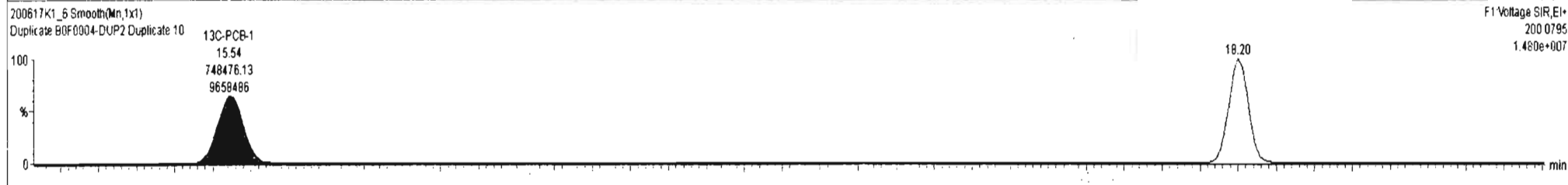
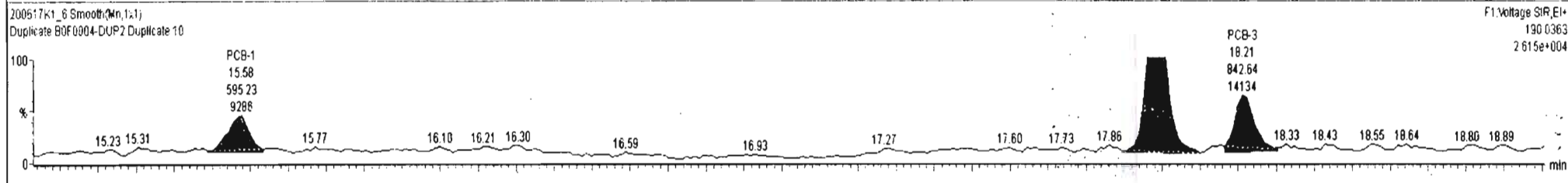
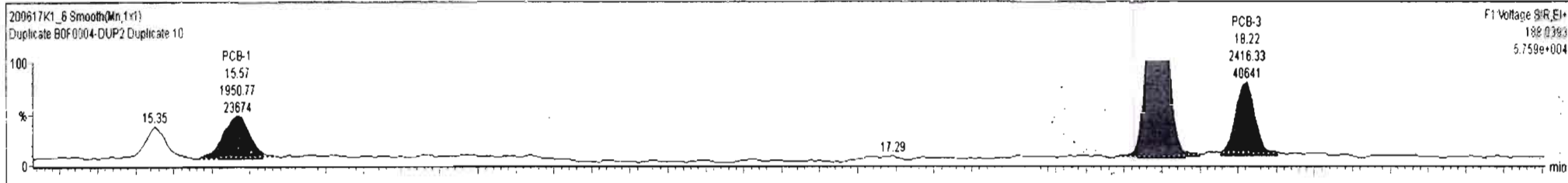
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 Duplicate 10, Description: Duplicate



#	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	5.261	0.00		0.000		NO	22.47		0.918	22.47
225	225 Total Di-PCBs				1.0537	5.261	0.00		0.000		NO	100.5		8.96	116.7
226	226 2nd Function Tri-PCBs				1.0807	5.261	0.00		0.000		NO	182.6		4.89	182.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1 PCB-1	15.55	15.57	1.951e3	5.952e2	3.130	3.28	NO	4.2359	4.2359
2	2 PCB-2	17.98	17.98	7.067e3	2.442e3	3.130	2.89	NO	13.476	13.476
3	3 PCB-3	18.21	18.22	2.416e3	8.426e2	3.130	2.87	NO	4.7569	4.7569



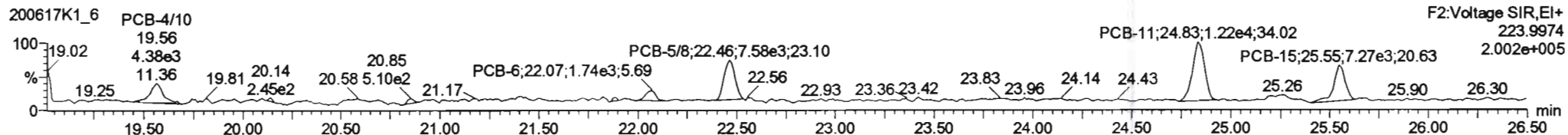
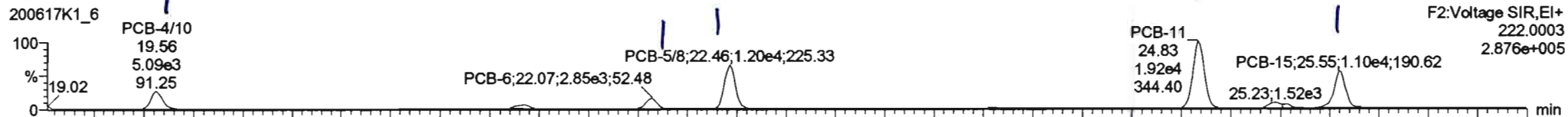
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

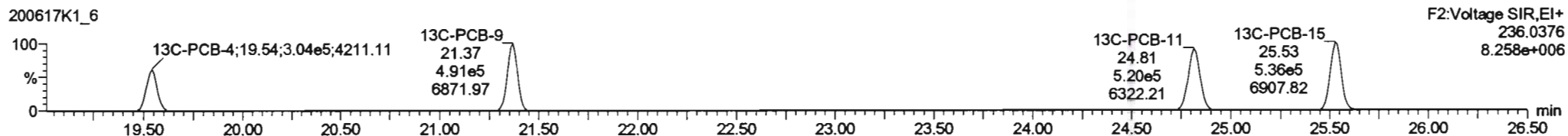
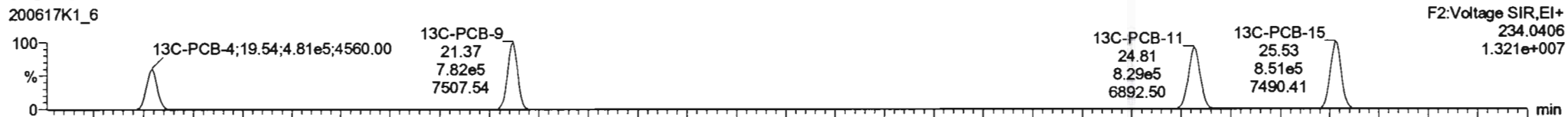
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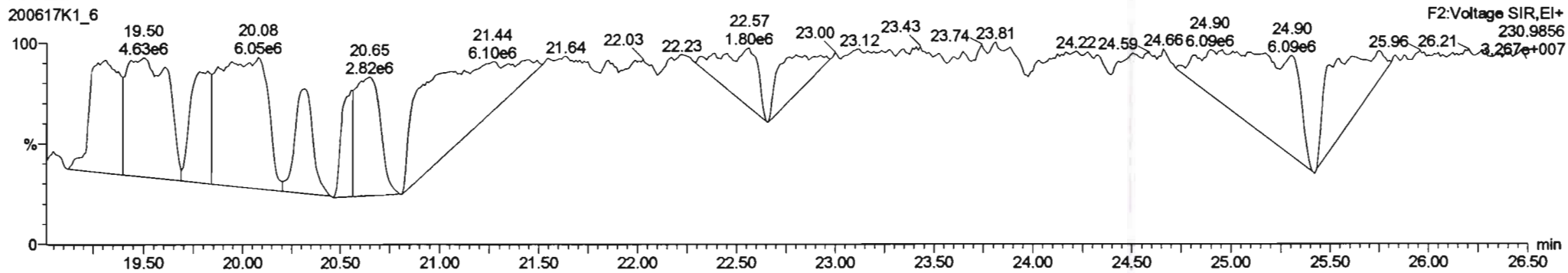
**PCB-4/10**



**13C-PCB-4**



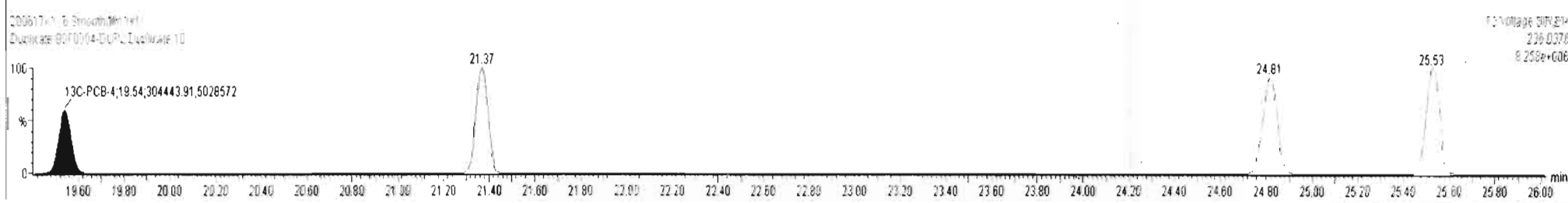
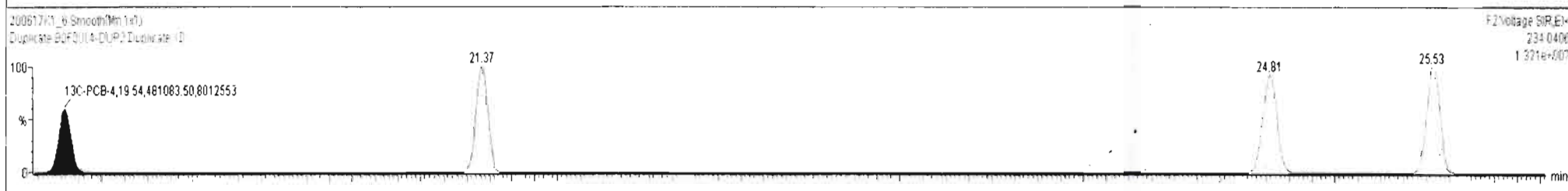
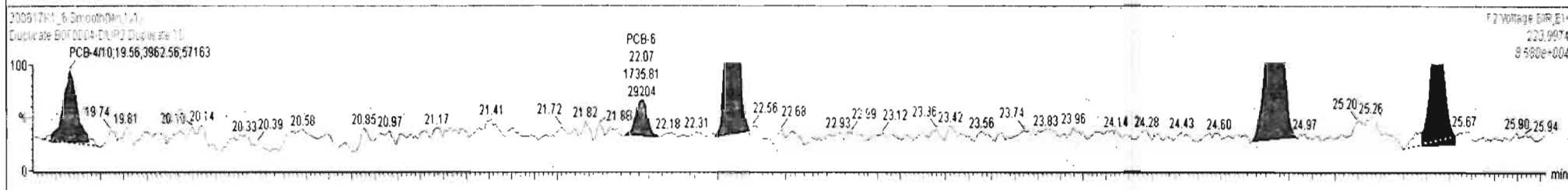
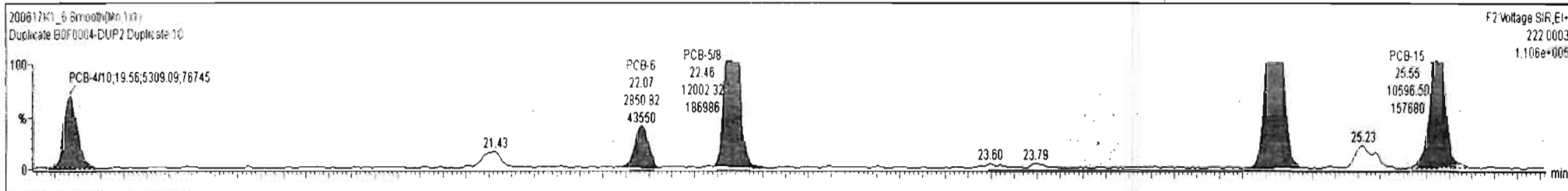
**PFK2a**



200617K1\_6 - B0F0004-DUP2 Duplicate 10 - Duplicate

#	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	5.261	0.00		0.000		NO	22.47		0.918	22.47
225	225 Total Di-PCBs				1.0537	5.261	0.00		0.000		NO	117.9		8.96	117.9
226	226 2nd Function Tri-PCBs				1.0807	5.261	0.00		0.000		NO	182.6		4.89	182.6

#	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	5.309e3	3.963e3	1.560	1.34	NO	17.976	17.976
2	6 PCB-6	22.08	22.07	2.851e3	1.736e3	1.560	1.64	NO	6.6950	6.6950
3	7 PCB-5/8	22.49	22.46	1.200e4	7.576e3	1.560	1.58	NO	29.472	29.472
4	9 PCB-11	24.83	24.83	1.925e4	1.224e4	1.560	1.57	NO	39.387	39.387
5	11 PCB-15	25.58	25.55	1.060e4	7.278e3	1.560	1.46	NO	24.335	24.335



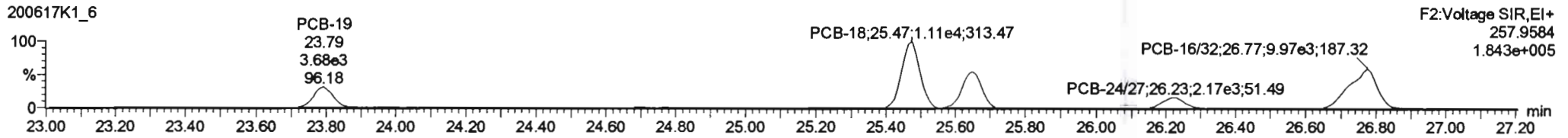
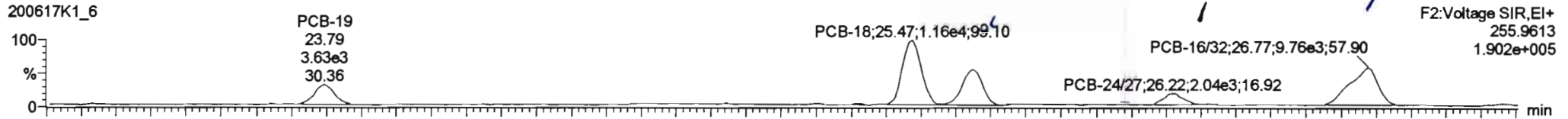


Dataset: Untitled

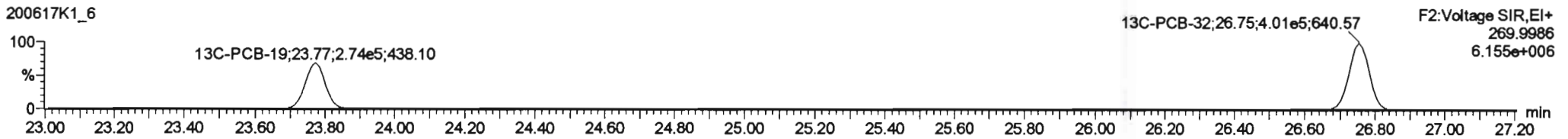
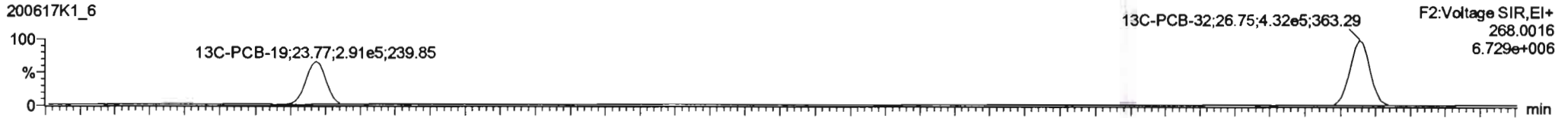
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 Duplicate 10, Description: Duplicate

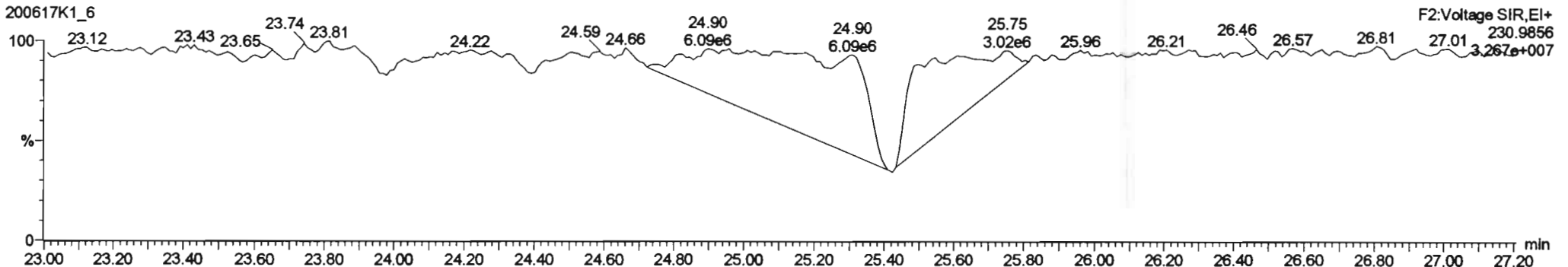
**PCB-19**



**13C-PCB-19**



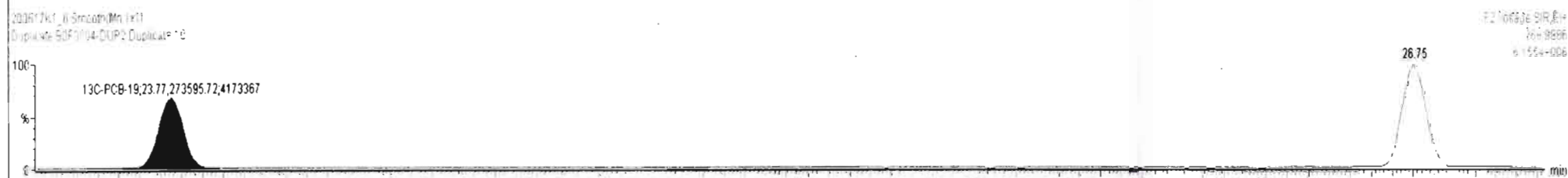
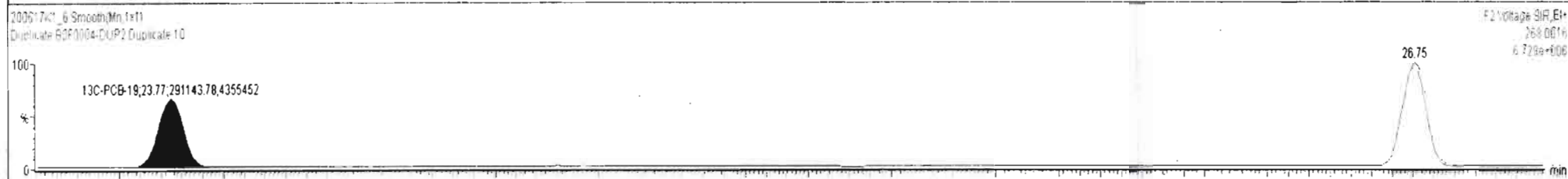
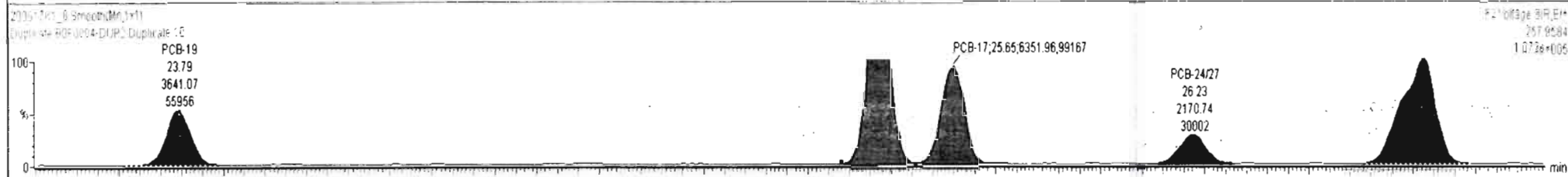
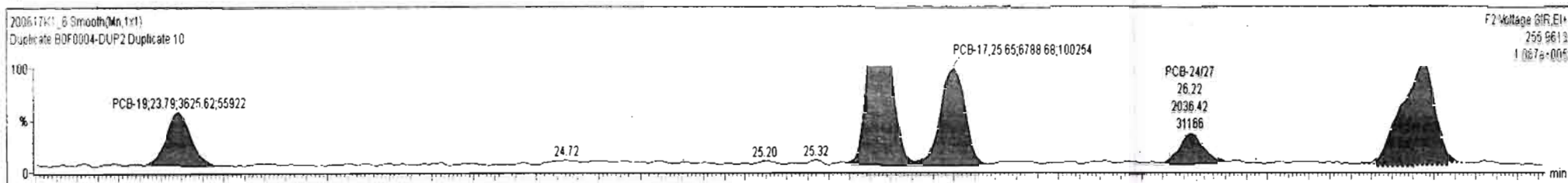
**PFK2b**



200617K1\_5-B1-10-40-2 Duplicate 10 - Duplicate

#	Name	Resp	RA	n/y	RRF	wtvol	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.261	0.00		0.000		NO	22.47		0.918	22.47
225	225 Total Di-PCBs				1.0537	5.261	0.00		0.000		NO	117.9		8.96	117.9
226	226 2nd Function Tri-PCBs				1.0807	5.261	0.00		0.000		NO	182.3		4.89	182.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	12 PCB-19	23.80	23.79	3.625e3	3.641e3	1.040	1.00	NO	22.109	22.109
2	14 PCB-18	25.46	25.47	1.159e4	1.110e4	1.040	1.04	NO	63.310	63.310
3	15 PCB-17	25.63	25.65	6.789e3	6.352e3	1.040	1.07	NO	39.524	39.524
4	16 PCB-24/27	26.25	26.22	2.036e3	2.171e3	1.040	0.94	NO	8.8690	8.8690
5	17 PCB-16/32	26.77	26.77	9.763e3	9.912e3	1.040	0.99	NO	48.496	48.496



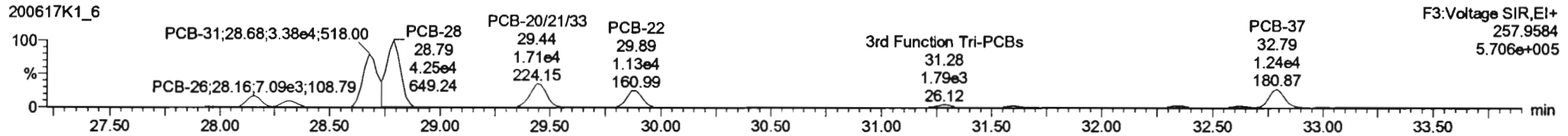
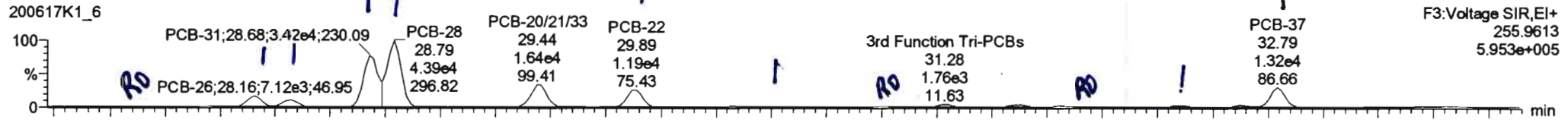
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

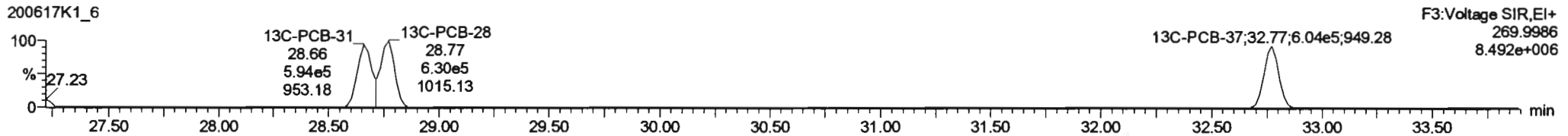
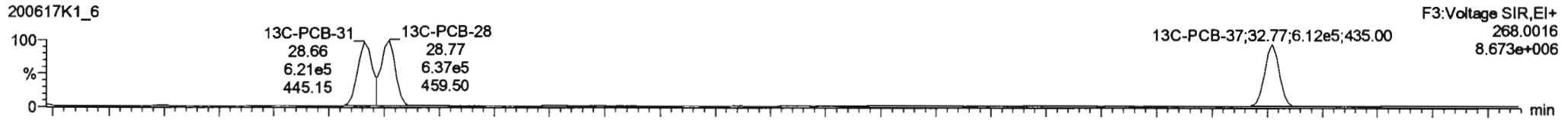
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 Duplicate 10, Description: Duplicate

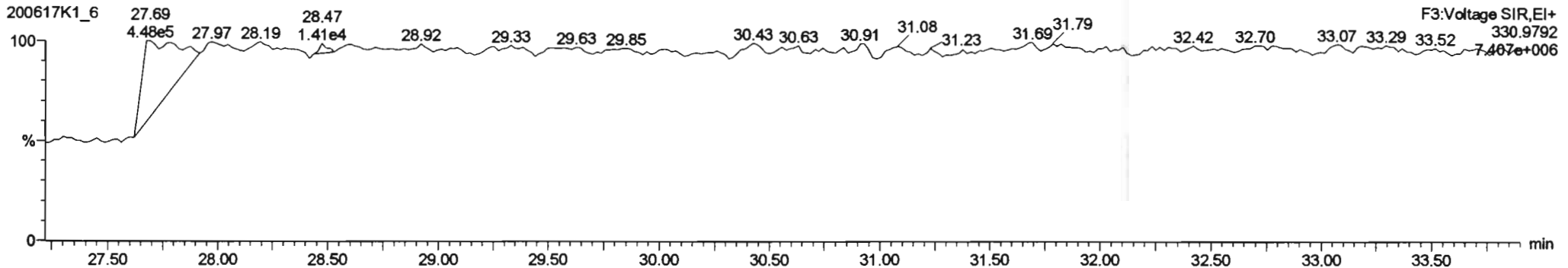
**PCB-34**



**13C-PCB-28**



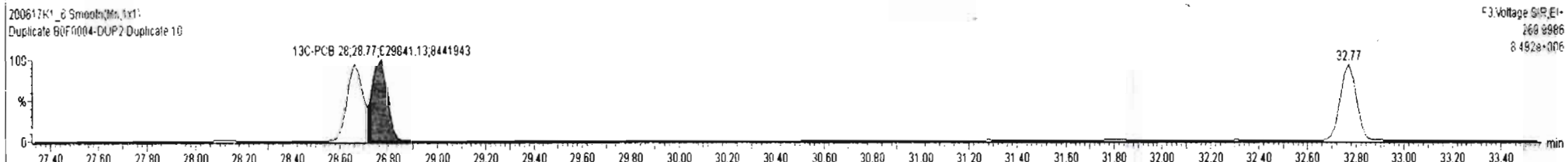
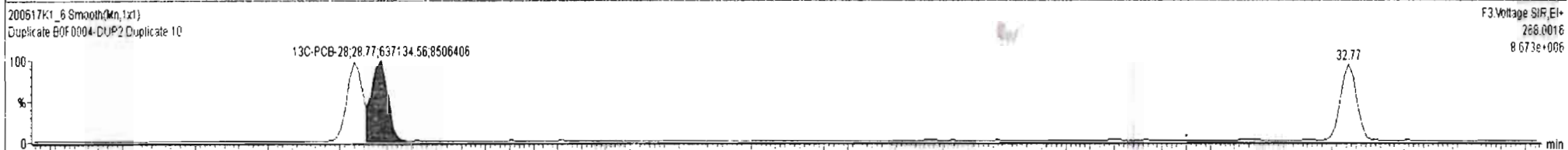
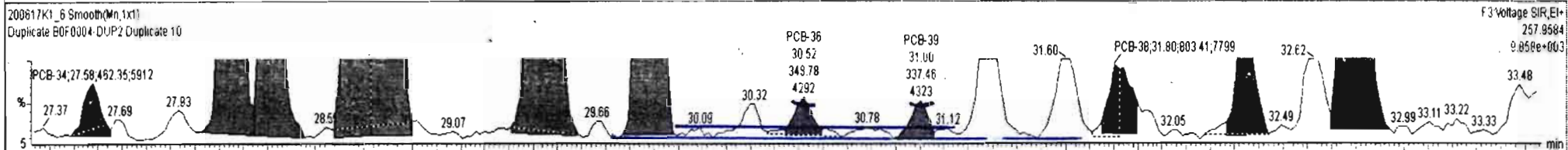
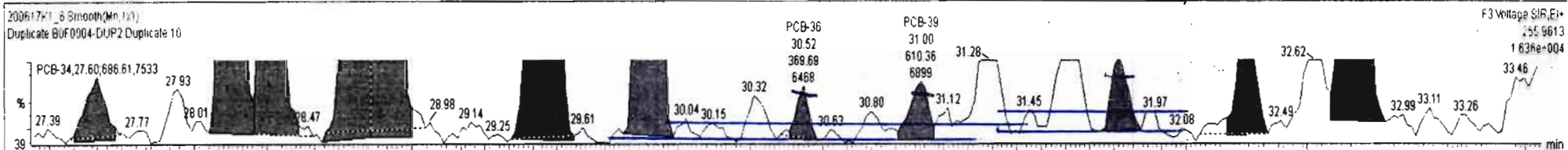
**PFK3d**



200617K1\_6 - B0F0004-DUP2 Duplicate 10 - Duplicate

#	Name	Resp	RA	n/y	RRF	wAval	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.1665	5.261	0.00		0.000		NO	22.47		0.918	22.47
225	225 Total Di-PCBs				1.0537	5.261	0.00		0.000		NO	117.9		8.96	117.9
226	226 2nd Function Tri-PCBs				1.0807	5.261	0.00		0.000		NO	182.3		4.89	182.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	18 PCB-34	27.58	27.60	6.866e2	4.624e2	1.040	1.49	YES	1.4966	0.00000
2	21 PCB-26	28.16	28.16	7.118e3	7.085e3	1.040	1.00	NO	22.575	22.575
3	22 PCB-25	28.31	28.32	4.639e3	3.910e3	1.040	1.19	NO	13.503	13.503
4	23 PCB-31	28.68	28.68	3.443e4	3.395e4	1.040	1.01	NO	98.998	98.998
5	24 PCB-28	28.79	28.79	4.397e4	4.272e4	1.040	1.03	NO	126.88	126.88
6	25 PCB-20/21/33	29.43	29.44	1.645e4	1.720e4	1.040	0.96	NO	53.630	53.630
7	26 PCB-22	29.87	29.89	1.191e4	1.128e4	1.040	1.06	NO	35.767	35.767
8	27 PCB-36	30.52	30.52	3.697e2	3.498e2	1.040	1.06	NO	1.0441	1.0441
9	28 PCB-39	31.00	31.00	6.104e2	3.375e2	1.040	1.81	YES	1.0692	0.00000
10	29 PCB-38	31.80	31.82	6.971e2	8.034e2	1.040	0.87	YES	2.0327	0.00000
11	30 PCB-35	32.34	32.34	1.284e3	1.267e3	1.040	1.01	NO	3.8216	3.8216
12	31 PCB-37	32.79	32.79	1.319e4	1.243e4	1.040	1.06	NO	39.705	39.705



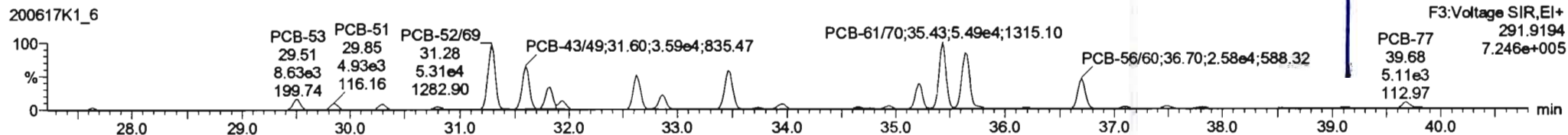
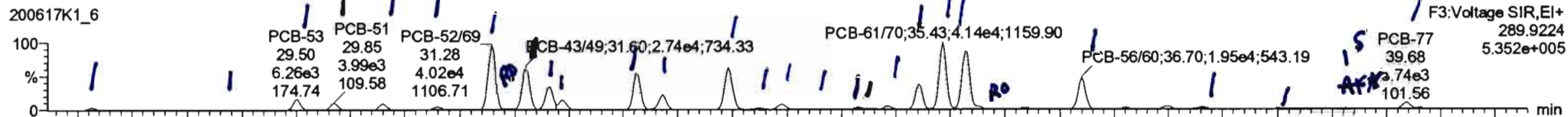
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

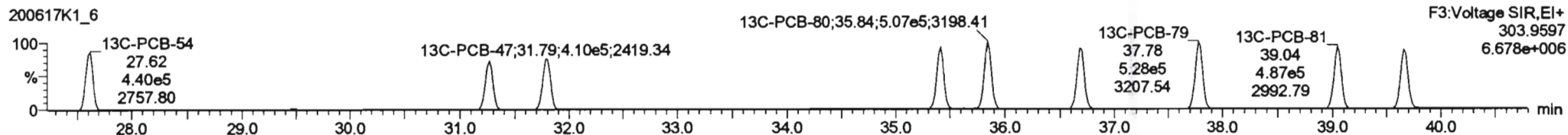
*July 06, 2020*

Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 Duplicate 10, Description: Duplicate

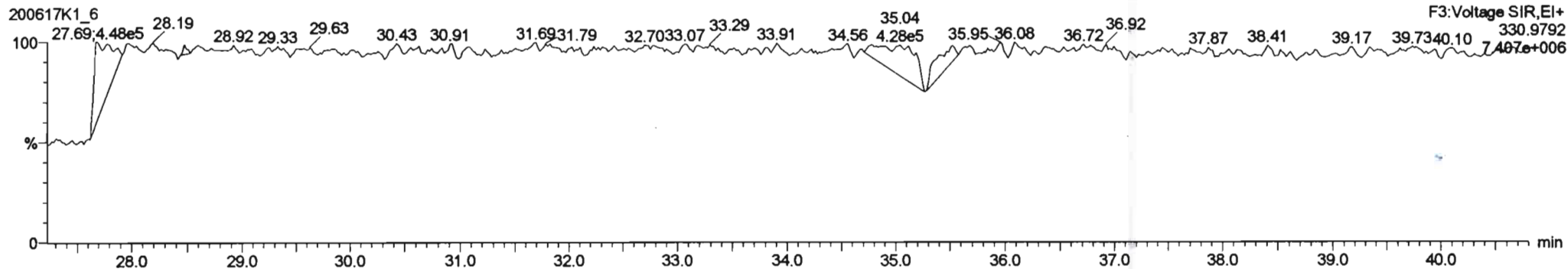
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

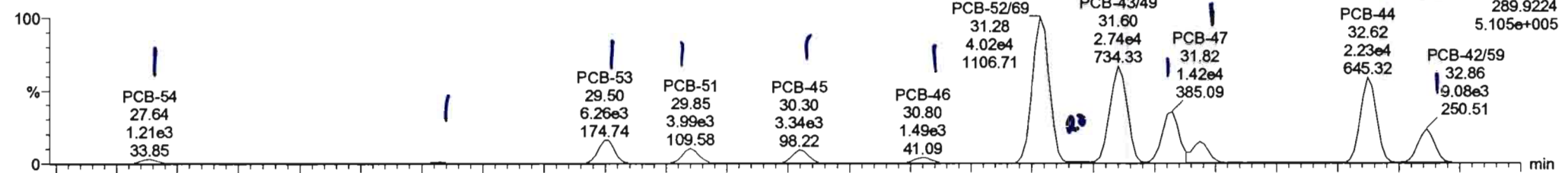
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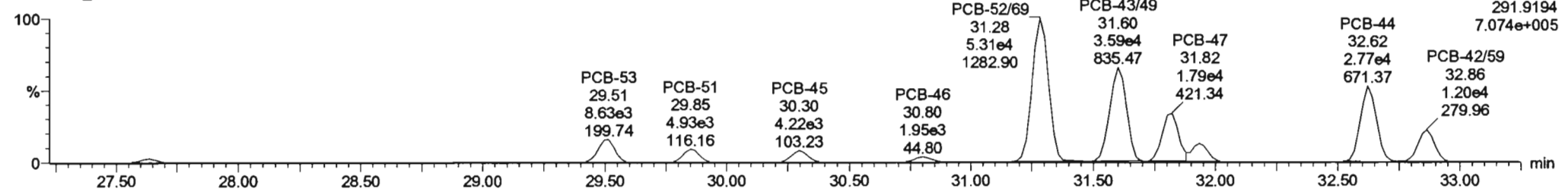
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**PCB-50**

200617K1\_6

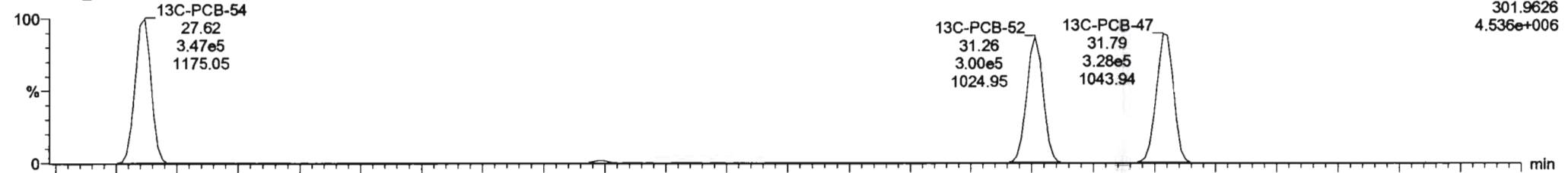


200617K1\_6

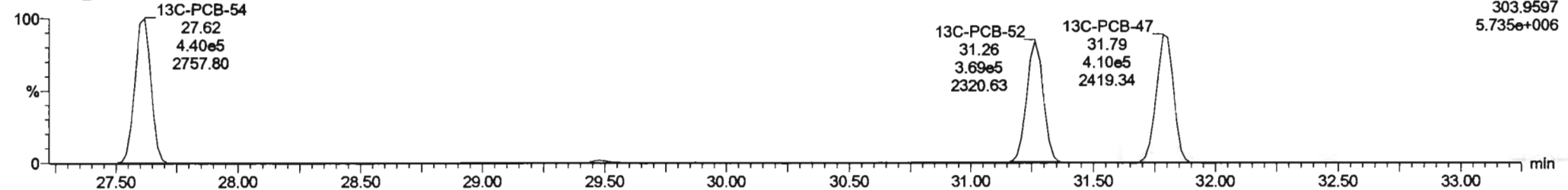


**13C-PCB-52**

200617K1\_6

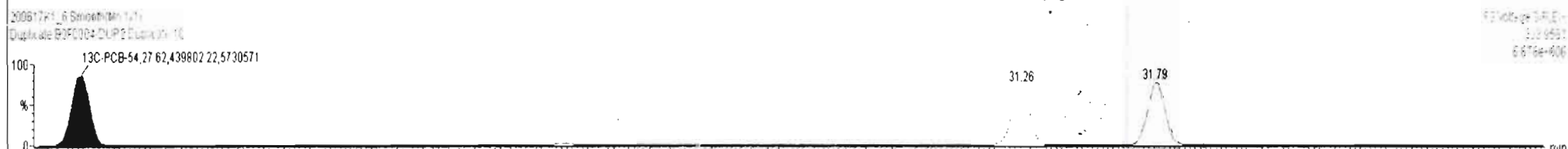
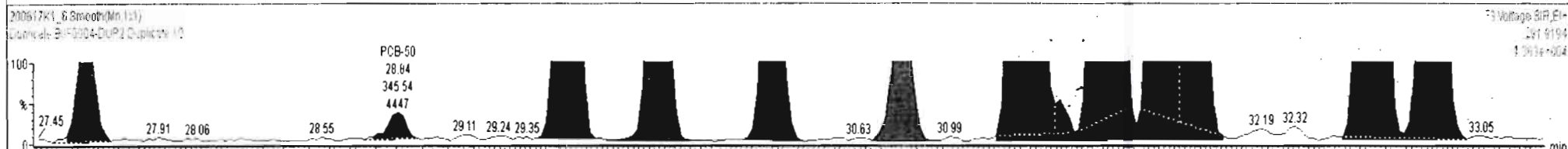
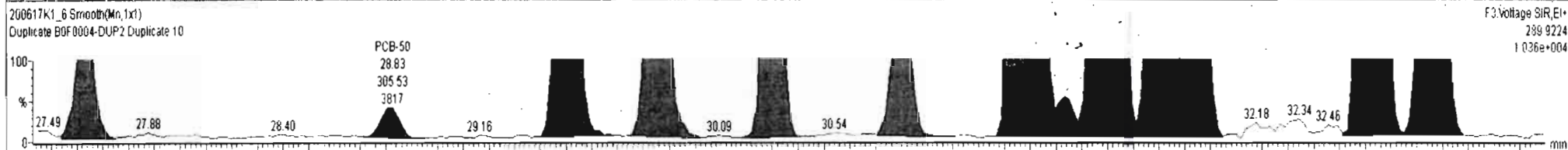


200617K1\_6



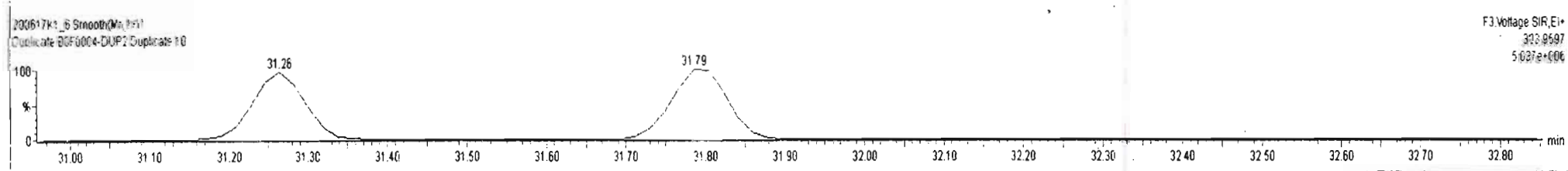
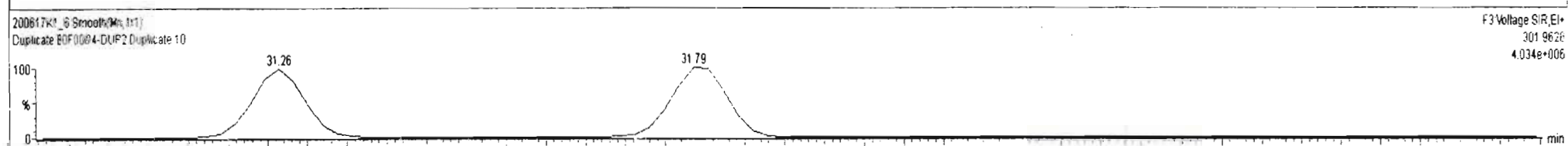
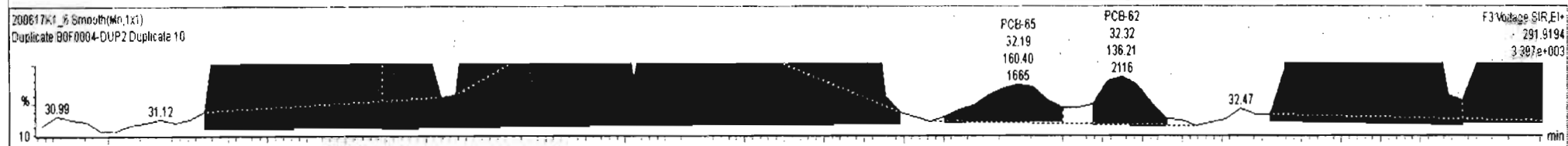
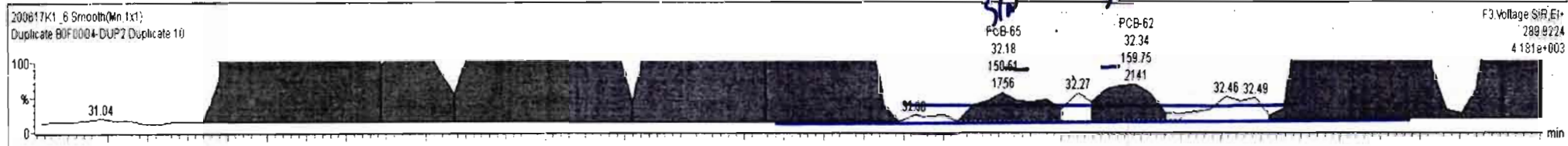
#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.261	0.00		0.000		NO	1595		11.9	1602
229	229 3rd Function Penta-PCBs				1.3157	5.261	0.00		0.000		NO	1924		11.3	1983
230	230 4th Function Penta-PCBs				1.0735	5.261	0.00		0.000		NO	88.80		2.21	91.13

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
1	32 PCB-54	27.64	27.64	1.211e3	1.384e3	0.770	0.88	NO	5.8063	5.8063
2	33 PCB-50	28.83	28.83	3.055e2	3.455e2	0.770	0.88	NO	1.7880	1.7880
3	34 PCB-53	29.51	29.50	6.258e3	8.634e3	0.770	0.72	NO	42.421	42.421
4	35 PCB-51	29.85	29.85	3.984e3	4.928e3	0.770	0.81	NO	23.780	23.780
5	36 PCB-45	30.30	30.30	3.344e3	4.218e3	0.770	0.79	NO	25.010	25.010
6	37 PCB-46	30.80	30.80	1.487e3	1.946e3	0.770	0.76	NO	11.731	11.731
7	38 PCB-52/68	31.30	31.28	4.020e4	5.330e4	0.770	0.75	NO	227.57	227.57
8	39 PCB-73	31.41	31.43	3.598e2	3.839e2	0.770	0.94	YES	1.3369	0.00000
9	40 PCB-43/49	31.59	31.60	2.738e4	3.664e4	0.770	0.75	NO	178.88	178.88
10	41 PCB-47	31.80	31.82	1.421e4	1.853e4	0.770	0.77	NO	91.444	91.444
11	42 PCB-48/75	31.92	31.93	5.910e3	7.173e3	0.770	0.82	NO	30.081	30.081
12	45 PCB-44	32.64	32.62	2.225e4	2.777e4	0.770	0.80	NO	156.34	156.34
13	46 PCB-42/59	32.87	32.86	9.076e3	1.198e4	0.770	0.76	NO	51.657	51.657



#	Name	Resp	RA	nly	RfF	wtVol	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec.	DL	EMPC
228	228 Total Tetra-PCBs				1.0776	5.261	0.00		0.000		NO	1595		11.9	1604
229	229 3rd Function Penta-PCBs				1.3157	5.261	0.00		0.000		NO	1924		11.3	1983
230	230 4th Function Penta-PCBs				1.0735	5.251	0.00		0.000		NO	68.60		2.21	91.13

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	32 PCB-54	27.64	27.64	1.211e3	1.384e3	0.770	0.88	NO	5.8063	5.8063
2	33 PCB-50	28.83	28.83	3.055e2	3.455e2	0.770	0.88	NO	1.7880	1.7880
3	34 PCB-53	29.51	29.50	6.258e3	8.634e3	0.770	0.72	NO	42.421	42.421
4	35 PCB-51	29.85	29.85	3.994e3	4.929e3	0.770	0.81	NO	23.780	23.780
5	36 PCB-45	30.30	30.30	3.344e3	4.219e3	0.770	0.79	NO	25.010	25.010
6	37 PCB-46	30.80	30.80	1.487e3	1.946e3	0.770	0.76	NO	11.731	11.731
7	38 PCB-52/69	31.30	31.28	4.020e4	5.330e4	0.770	0.75	NO	227.57	227.57
8	38 PCB-73	31.41	31.43	3.598e2	3.839e2	0.770	0.94	YES	1.3369	0.00000
9	40 PCB-43/49	31.59	31.60	2.738e4	3.664e4	0.770	0.75	NO	178.88	178.88
10	41 PCB-47	31.80	31.82	1.421e4	1.853e4	0.770	0.77	NO	91.444	91.444
11	42 PCB-48/75	31.92	31.93	5.910e3	7.173e3	0.770	0.82	NO	30.081	30.081
12	43 PCB-65	32.19	32.18	1.505e2	1.604e2	0.770	0.94	YES	0.57030	0.00000
13	44 PCB-62	32.29	32.34	1.597e2	1.362e2	0.770	1.17	YES	0.55067	0.00000
14	45 PCB-44	32.64	32.62	2.225e4	2.777e4	0.770	0.80	NO	156.34	156.34
15	46 PCB-42/69	32.67	32.86	9.078e3	1.198e4	0.770	0.76	NO	51.657	51.657





Dataset: Untitled

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

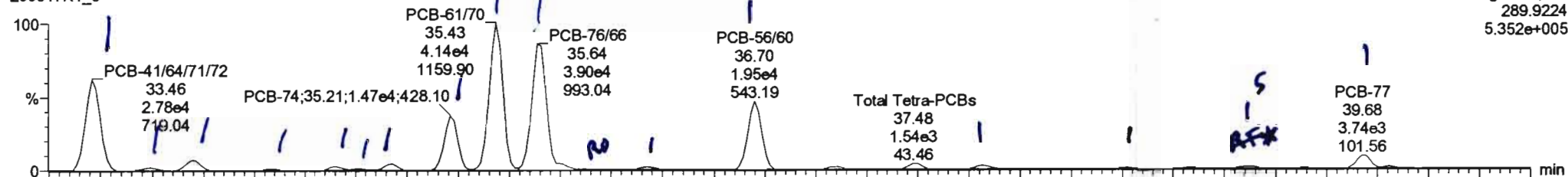
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*\*dy 06-23-2020*

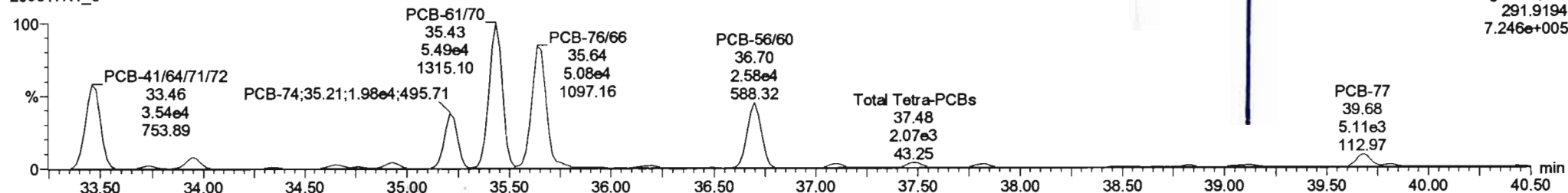
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**PCB-68**

200617K1\_6

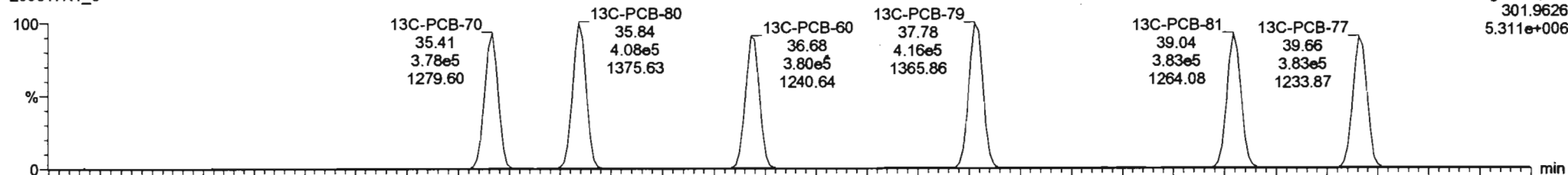


200617K1\_6

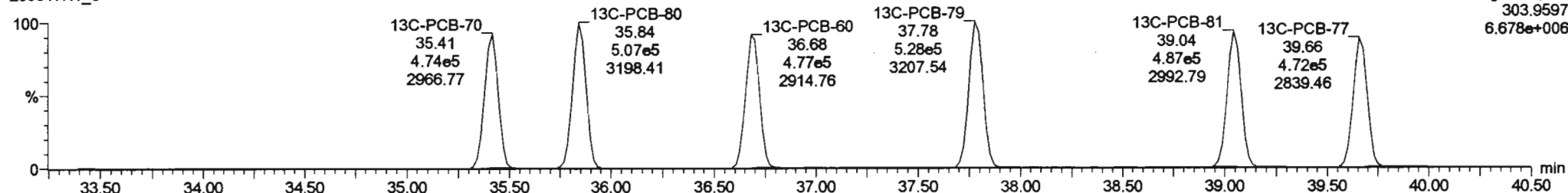


**13C-PCB-60**

200617K1\_6



200617K1\_6

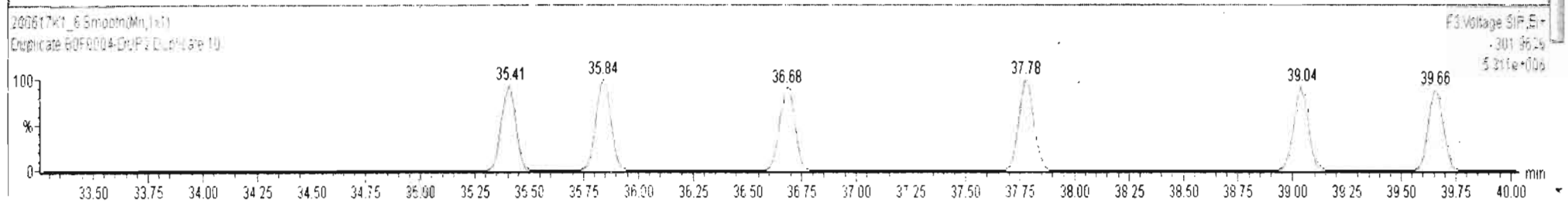
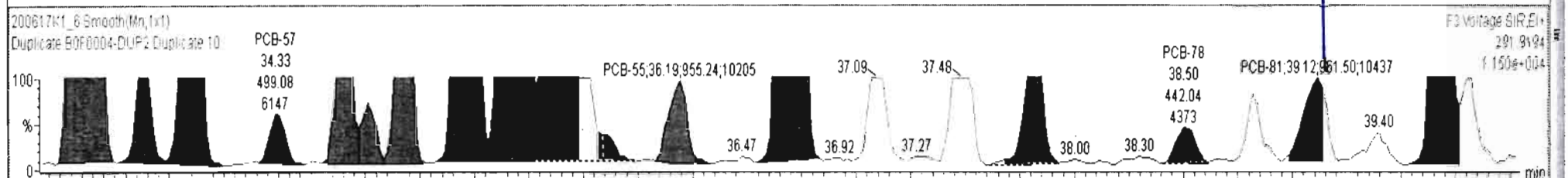
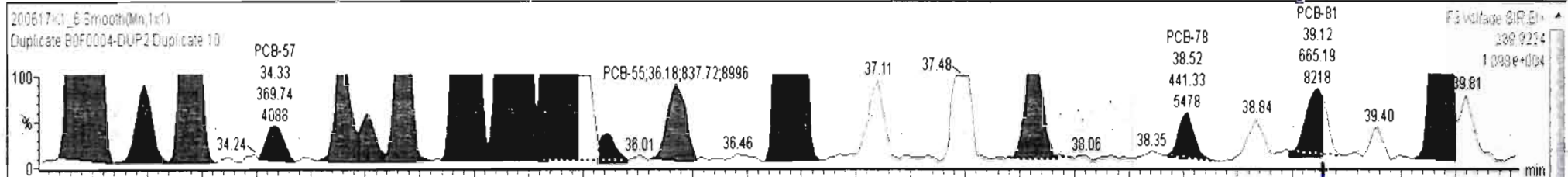


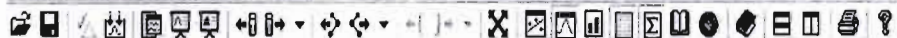


200617K1\_6 - B0F0004-DUP2 Duplicate 10 - Duplicate

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
228	228	Total Tetra-PCBs			1.0778	5.261	0.00		0.000		NO	1593		11.9	1596

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
17	50 PCB-57	34.32	34.33	3.697e2	4.991e2	0.770	0.74	NO	1.6672	1.6672
18	51 PCB-67	34.64	34.65	9.970e2	1.508e3	0.770	0.66	NO	5.1558	5.1558
19	52 PCB-58	34.76	34.76	4.026e2	5.428e2	0.770	0.74	NO	1.7522	1.7522
20	53 PCB-63	34.91	34.93	1.628e3	2.112e3	0.770	0.77	NO	7.7858	7.7858
21	54 PCB-74	35.22	35.21	1.473e4	1.985e4	0.770	0.74	NO	65.102	65.102
22	55 PCB-61/70	35.43	35.43	4.141e4	5.493e4	0.770	0.75	NO	203.94	203.94
23	56 PCB-76/66	35.62	35.64	3.770e4	4.921e4	0.770	0.77	NO	166.54	166.54
24	57 PCB-80	35.86	35.86	2.714e2	2.265e2	0.770	1.20	YES	0.70177	0.00000
25	58 PCB-55	36.18	36.18	8.377e2	9.552e2	0.770	0.88	NO	3.1860	3.1860
26	59 PCB-56/60	36.70	36.70	1.945e4	2.577e4	0.770	0.75	NO	92.275	92.275
27	60 PCB-79	37.80	37.81	1.147e3	1.469e3	0.770	0.78	NO	4.7730	4.7730
28	61 PCB-78	38.52	38.52	4.413e2	4.420e2	0.770	1.00	YES	1.5042	0.00000
29	62 PCB-81	39.06	39.12	6.652e2	9.615e2	0.770	0.69	NO	3.3966	3.3966
30	63 PCB-77	39.68	39.67	3.741e3	5.108e3	0.770	0.73	NO	17.301	17.301

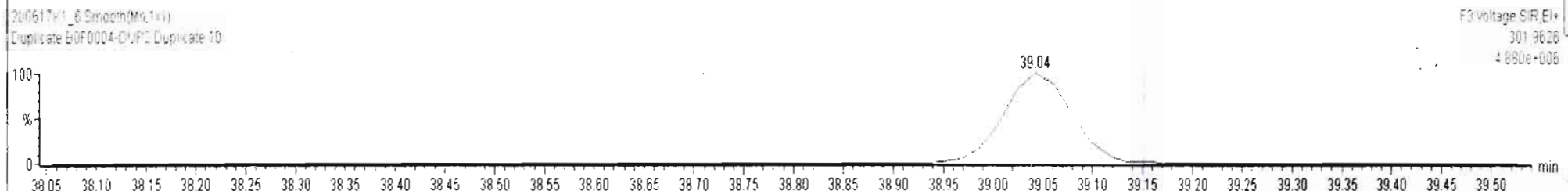
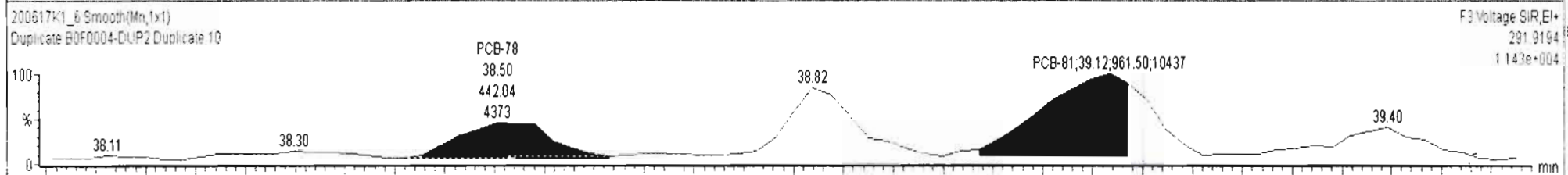
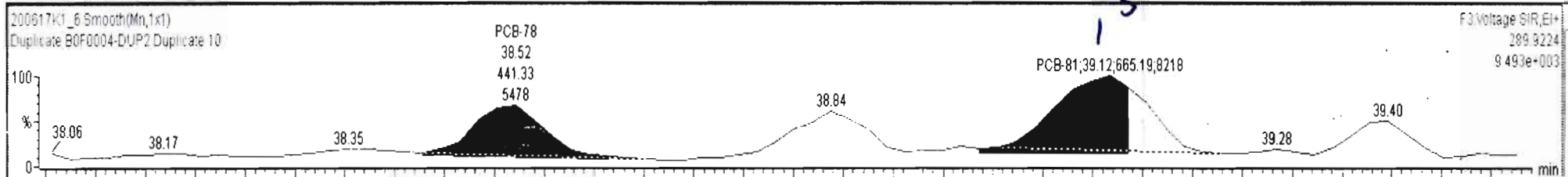




200617k1\_6 - B0F0004-DUP2 Duplicate 10 - Duplicate

#	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	5.261	0.00		0.000		NO	1593		11.9	1596

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
17	50 PCB-57	34.32	34.33	3.697e2	4.991e2	0.770	0.74	NO	1.6672	1.6672
18	51 PCB-67	34.64	34.65	9.970e2	1.508e3	0.770	0.66	NO	5.1558	5.1558
19	52 PCB-58	34.76	34.76	4.026e2	5.428e2	0.770	0.74	NO	1.7522	1.7522
20	53 PCB-63	34.91	34.93	1.628e3	2.112e3	0.770	0.77	NO	7.7858	7.7858
21	54 PCB-74	35.22	35.21	1.473e4	1.985e4	0.770	0.74	NO	65.102	65.102
22	55 PCB-61/70	35.43	35.43	4.141e4	5.493e4	0.770	0.75	NO	203.94	203.94
23	56 PCB-76/66	35.62	35.64	3.770e4	4.921e4	0.770	0.77	NO	166.54	166.54
24	57 PCB-80	35.86	35.86	2.714e2	2.265e2	0.770	1.20	YES	0.70177	0.00000
25	58 PCB-55	36.18	36.18	8.377e2	9.552e2	0.770	0.88	NO	3.1860	3.1860
26	59 PCB-56/60	36.70	36.70	1.945e4	2.577e4	0.770	0.75	NO	92.275	92.275
27	60 PCB-79	37.80	37.81	1.147e3	1.469e3	0.770	0.78	NO	4.7730	4.7730
28	61 PCB-78	38.52	38.52	4.413e2	4.420e2	0.770	1.00	YES	1.5042	0.00000
29	62 PCB-81	39.06	39.12	6.652e2	9.615e2	0.770	0.69	NO	3.3966	3.3966
30	63 PCB-77	39.68	39.67	3.741e3	5.108e3	0.770	0.73	NO	17.301	17.301



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

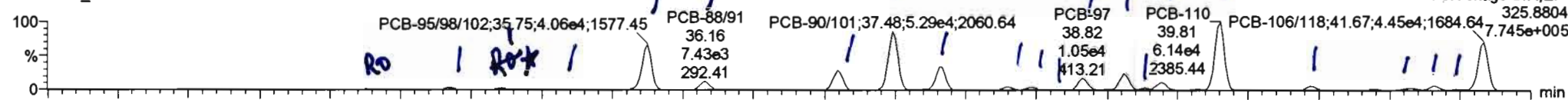
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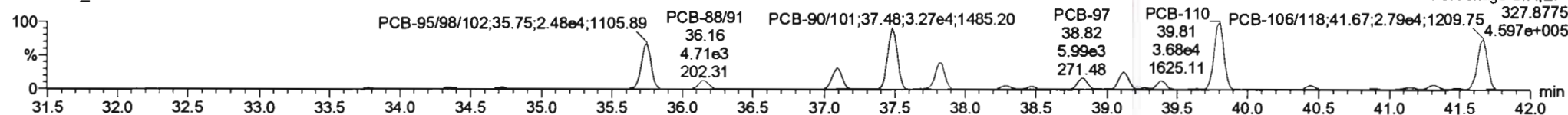
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**PCB-104**

200617K1\_6

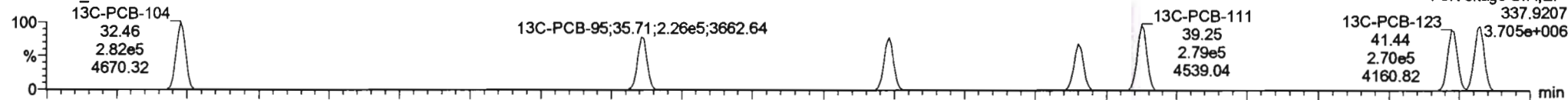


200617K1\_6

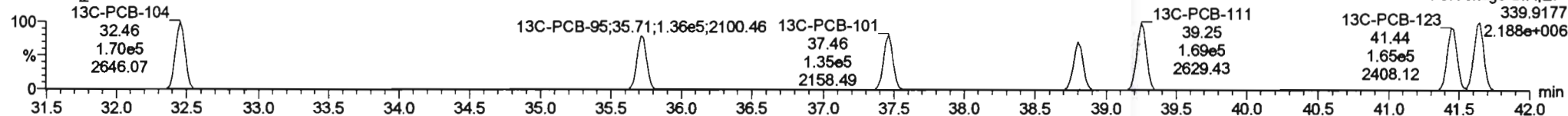


**13C-PCB-104**

200617K1\_6

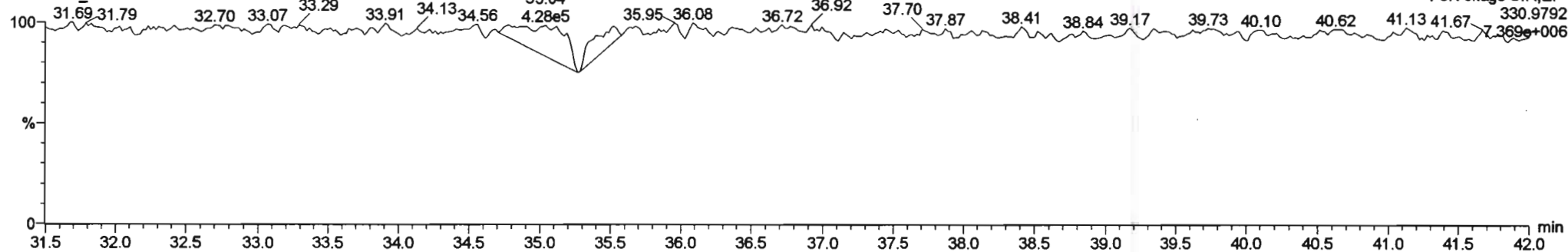


200617K1\_6



**PFK3b**

200617K1\_6



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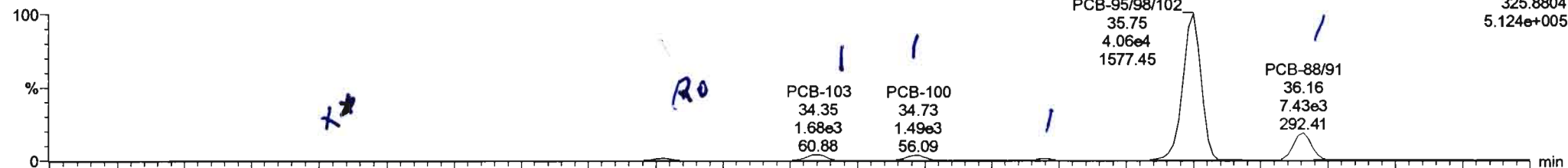
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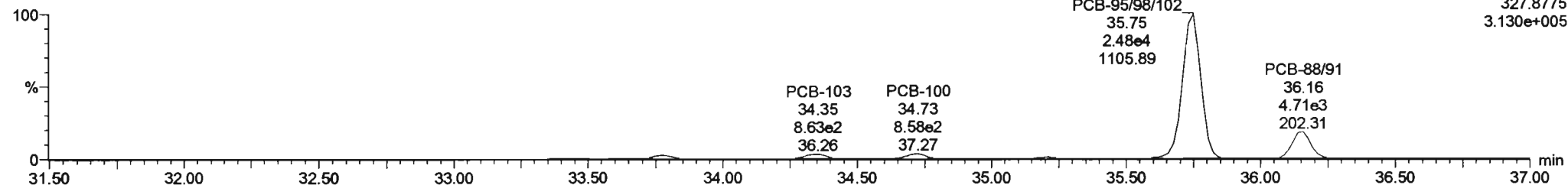
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**PCB-96**

200617K1\_6



200617K1\_6

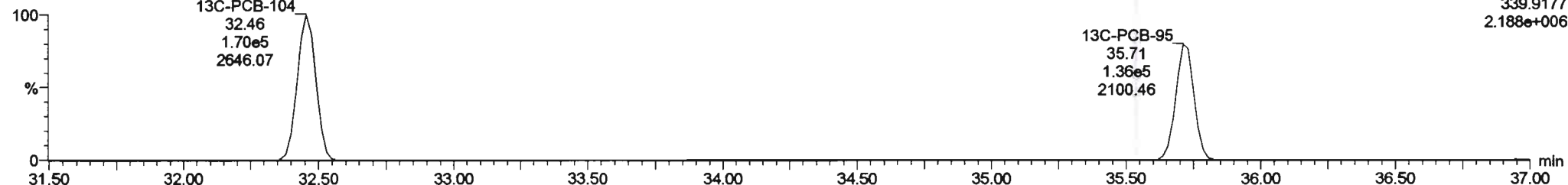


**13C-PCB-95**

200617K1\_6



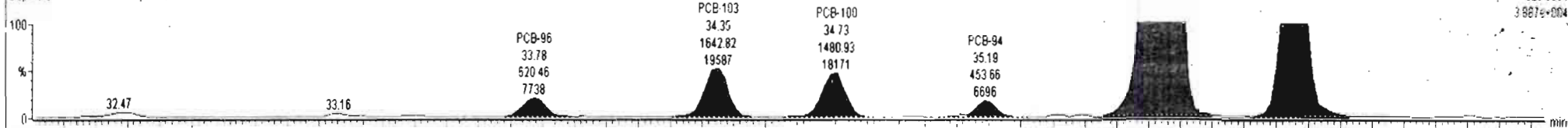
200617K1\_6



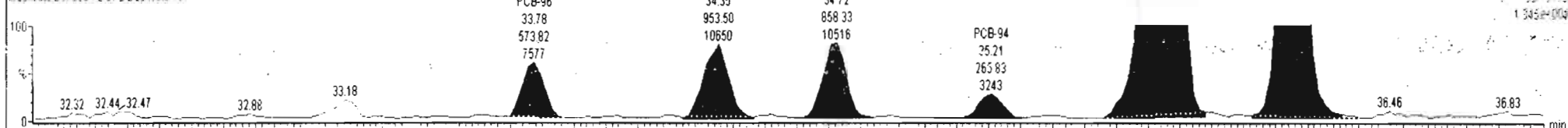
#	Name	Resp	RA	nly	RRF	wt/rd	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.3157	5.261	0.00		0.000		NO	1944		11.3	1990
230	4th Function Penta-PCBs				1.0735	5.261	0.00		0.000		NO	88.60		2.21	91.13
231	3rd Function Hexa-PCBs				0.9505	5.261	0.00		0.000		NO	714.1		6.67	745.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	65 PCB-96	33.80	33.78	6.205e2	5.739e2	1.560	1.08	YES	3.7115	0.00000
2	66 PCB-103	34.36	34.35	1.643e3	9.535e2	1.560	1.72	NO	11.661	11.661
3	67 PCB-100	34.71	34.73	1.481e3	8.583e2	1.560	1.73	NO	10.318	10.318
4	68 PCB-94	35.19	35.19	4.537e2	2.658e2	1.560	1.71	NO	3.9042	3.9042
5	69 PCB-95/98/102	35.67	35.75	4.072e4	2.496e4	1.560	1.63	NO	286.53	286.53
6	71 PCB-88/91	36.14	36.16	7.500e3	4.731e3	1.560	1.99	NO	60.351	60.351
7	73 PCB-84/82	37.10	37.09	1.730e4	1.143e4	1.560	1.51	NO	150.24	150.24
8	74 PCB-89	37.27	37.27	5.882e2	3.511e2	1.560	1.68	NO	4.5234	4.5234
9	75 PCB-90/101	37.48	37.48	5.309e4	3.297e4	1.560	1.61	NO	408.03	408.03
10	77 PCB-99	37.81	37.81	2.186e4	1.460e4	1.560	1.48	NO	146.08	146.08

200617K1\_6 Smooth(Mn,1x1)  
Duplicate B0F0004-DUP2 Duplicate 10



200617K1\_6 Smooth(Mn,1x1)  
Duplicate B0F0004-DUP2 Duplicate 10



200617K1\_6 Smooth(Mn,1x1)  
Duplicate B0F0004-DUP2 Duplicate 10



200617K1\_6 Smooth(Mn,1x1)  
Duplicate B0F0004-DUP2 Duplicate 10



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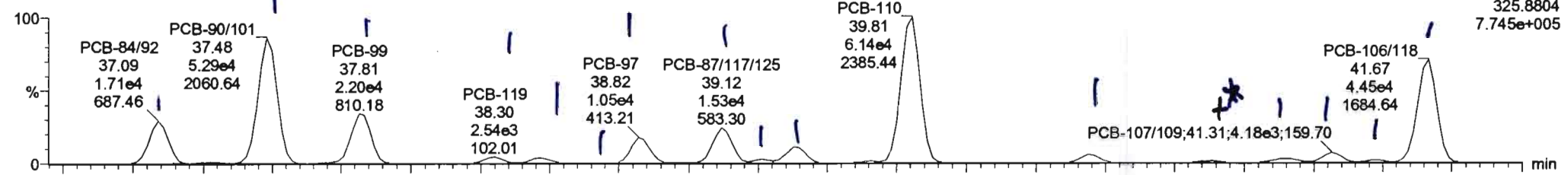
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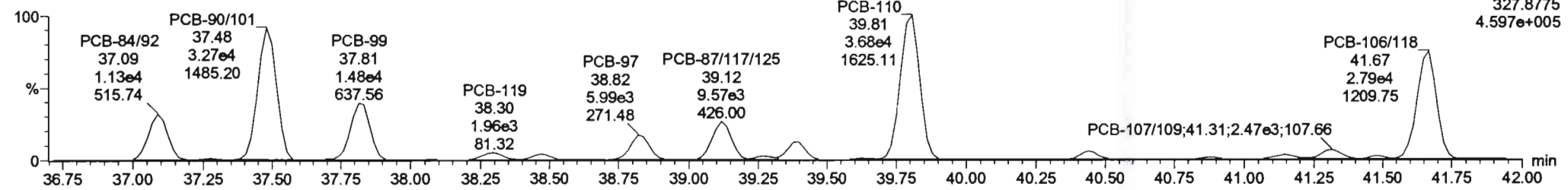
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**PCB-119**

200617K1\_6

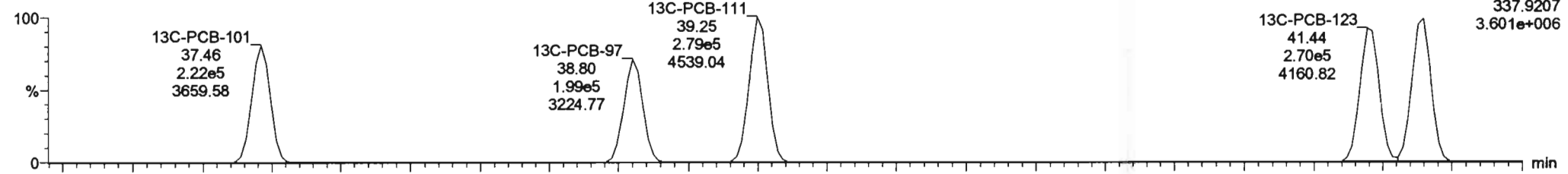


200617K1\_6

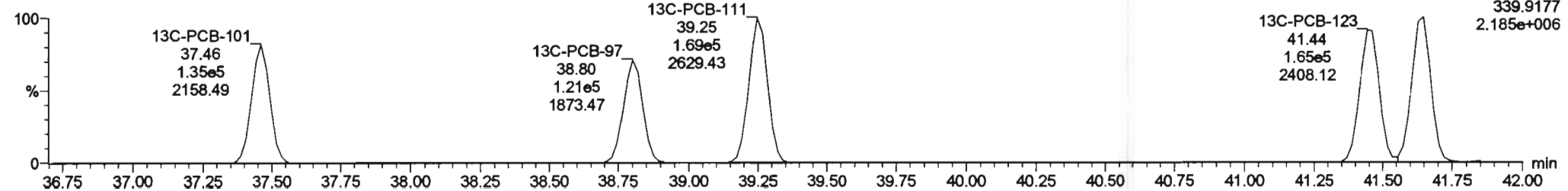


**13C-PCB-111**

200617K1\_6

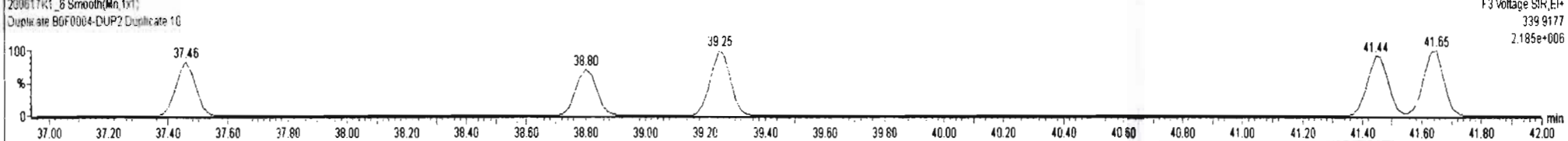
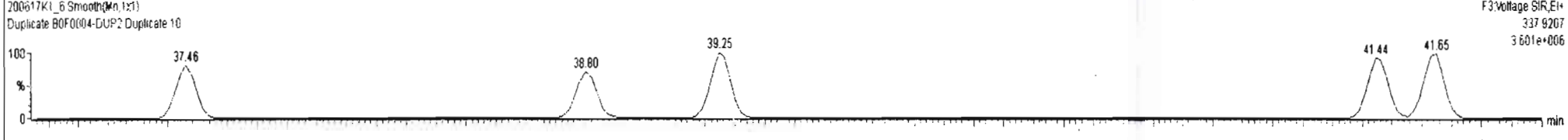
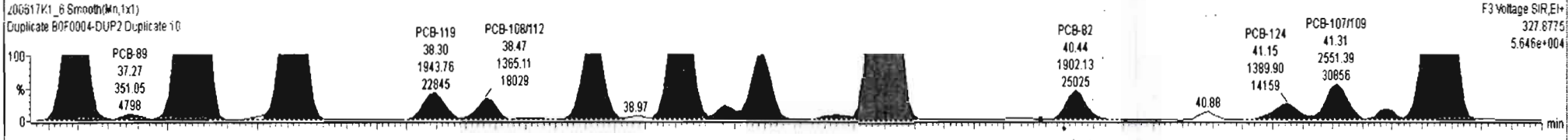
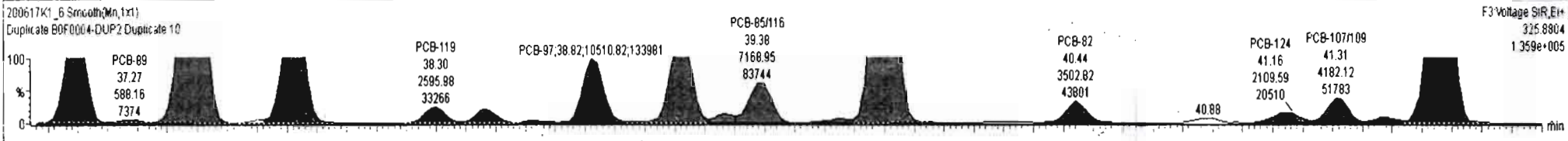


200617K1\_6



#	Name	Resp	RA	nly	RRF	wtAvt	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.3157	5.261	0.00		0.000		NO	1964		11.3	1895

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
7	73 PCB-84/82	37.10	37.09	1.730e4	1.143e4	1.560	1.51	NO	150.24	150.24
8	74 PCB-89	37.27	37.27	5.882e2	3.511e2	1.560	1.68	NO	4.5234	4.5234
9	75 PCB-90/101	37.48	37.48	5.309e4	3.297e4	1.560	1.61	NO	408.03	408.03
10	77 PCB-99	37.81	37.81	2.178e4	1.460e4	1.560	1.49	NO	146.50	146.50
11	78 PCB-119	38.30	38.30	2.596e3	1.944e3	1.560	1.34	NO	14.947	14.947
12	79 PCB-108/112	38.45	38.47	2.203e3	1.365e3	1.560	1.61	NO	14.678	14.678
13	80 PCB-83	38.61	38.63	2.256e2	1.355e2	1.560	1.67	NO	1.1717	1.1717
14	81 PCB-97	38.82	38.82	1.051e4	6.121e3	1.560	1.72	NO	77.115	77.115
15	83 PCB-87/117/125	39.12	39.12	1.506e4	9.590e3	1.560	1.57	NO	93.981	93.981
16	84 PCB-111/115	39.27	39.27	1.327e3	8.456e2	1.560	1.57	NO	6.7590	6.7590
17	85 PCB-85/116	39.40	39.38	7.169e3	4.241e3	1.560	1.69	NO	48.070	48.070
18	86 PCB-120	39.66	39.66	6.709e2	3.785e2	1.560	1.77	NO	3.1110	3.1110
19	87 PCB-110	39.79	39.81	6.147e4	3.687e4	1.560	1.67	NO	335.42	335.42
20	88 PCB-82	40.44	40.44	3.503e3	1.902e3	1.560	1.84	YES	27.246	0.00000
21	89 PCB-124	41.15	41.16	2.110e3	1.390e3	1.560	1.52	NO	10.952	10.952
22	90 PCB-107/109	41.29	41.31	4.182e3	2.551e3	1.560	1.64	NO	21.937	21.937
23	91 PCB-123	41.46	41.48	8.975e2	6.567e2	1.560	1.37	NO	5.6717	5.6717
24	92 PCB-106/118	41.69	41.67	4.439e4	2.804e4	1.560	1.58	NO	247.62	247.62



Custom Reporting: Select reports to generate



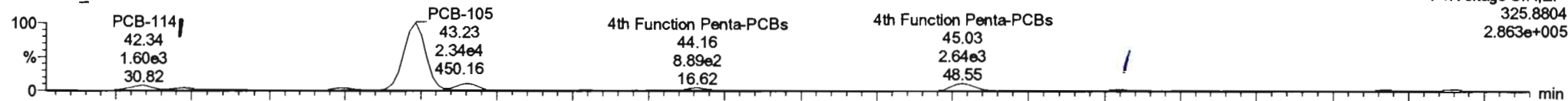
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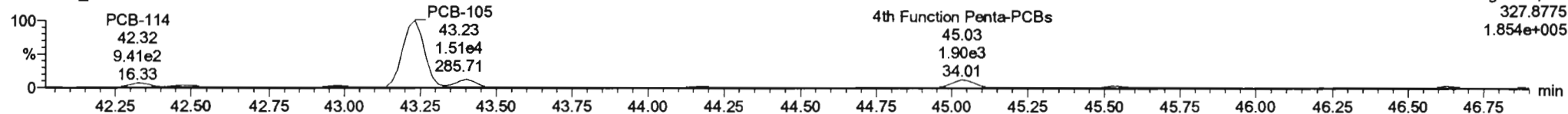
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**PCB-114**

200617K1\_6

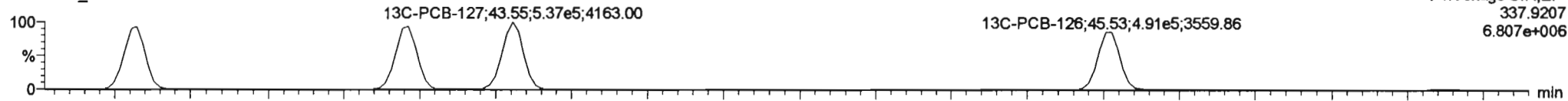


200617K1\_6

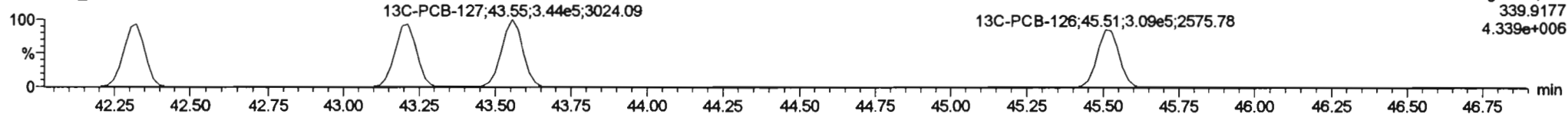


**13C-PCB-114**

200617K1\_6

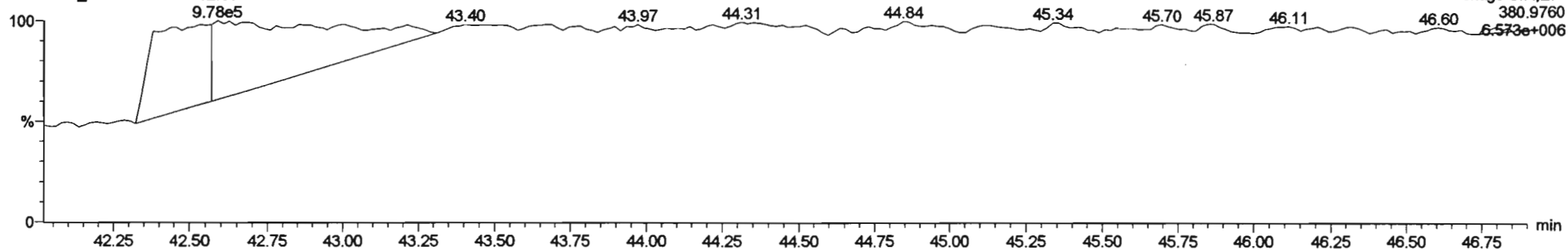


200617K1\_6



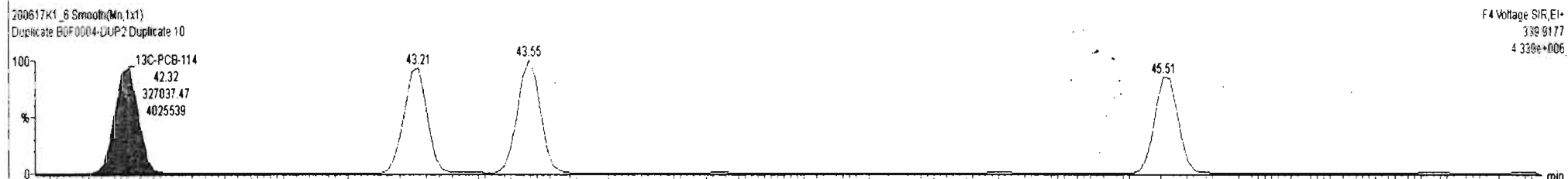
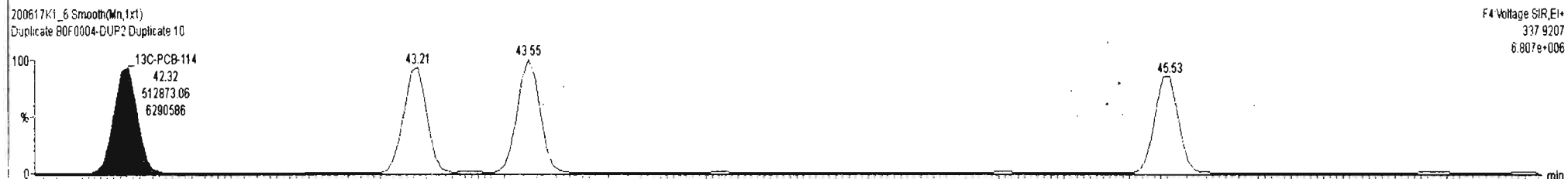
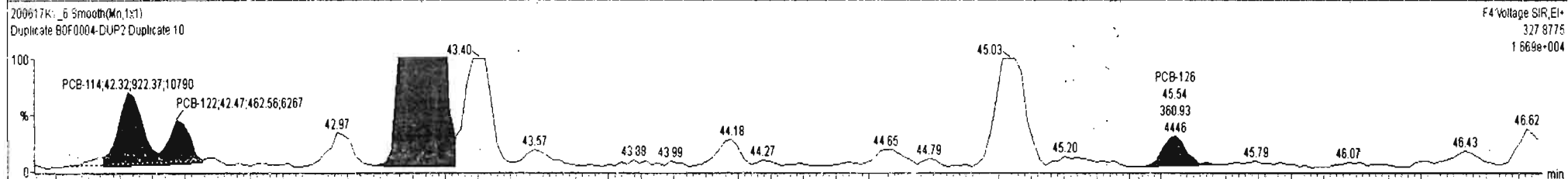
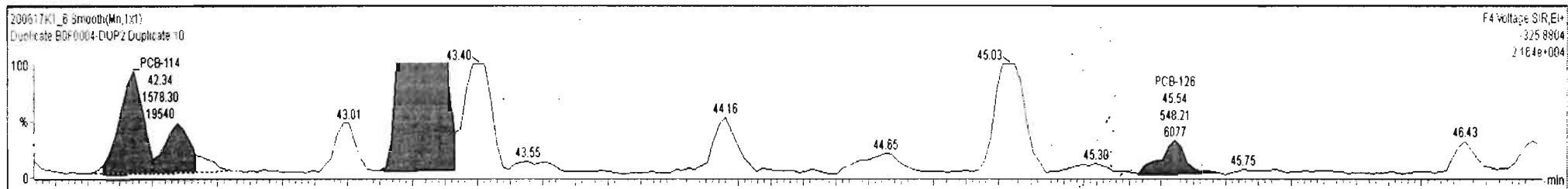
**PFK4a**

200617K1\_6



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0735	5.261	0.00		0.000		NO	91.56		2.21	91.56
231	231 3rd Function Hexa-PCBs				0.9505	5.261	0.00		0.000		NO	714.1		6.67	745.3
232	232 4th Function Hexa-PCBs				1.0316	5.261	0.00		0.000		NO	1337		8.57	1355
233	233 Total Hepta-PCBs				1.3551	5.261	0.00		0.000		NO	1046		12.8	1075

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.34	42.34	1.578e3	9.224e2	1.560	1.71	NO	4.9592	4.9592
2	94 PCB-122	42.49	42.47	8.017e2	4.626e2	1.560	1.73	NO	3.0300	3.0300
3	95 PCB-105	43.23	43.23	2.344e4	1.508e4	1.550	1.55	NO	81.723	81.723
4	97 PCB-126	45.54	45.54	5.482e2	3.609e2	1.560	1.52	NO	1.8439	1.8439



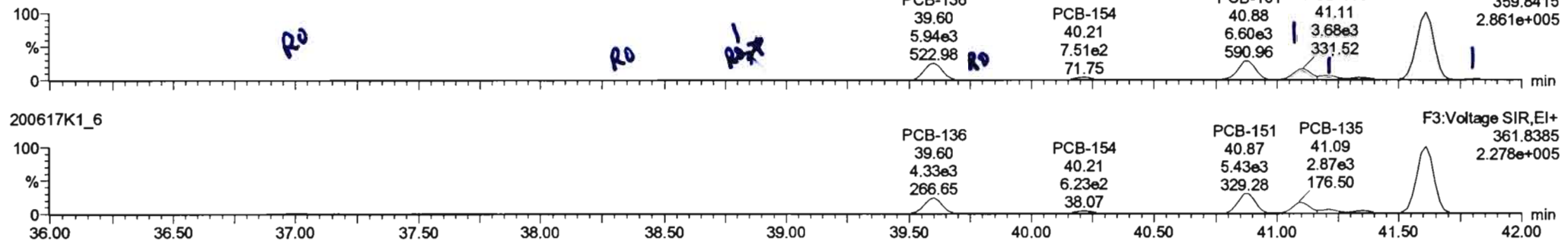
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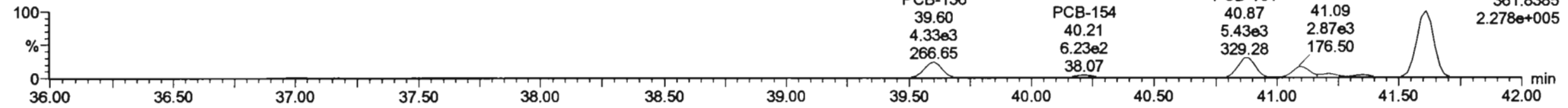
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**PCB-155**

200617K1\_6

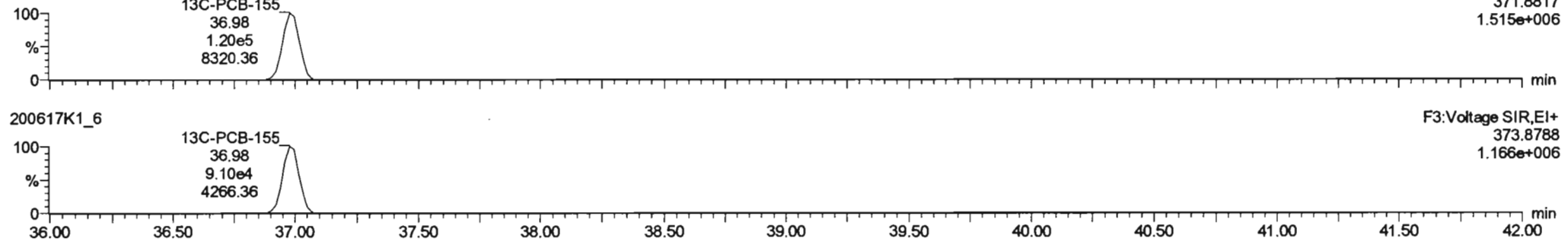


200617K1\_6

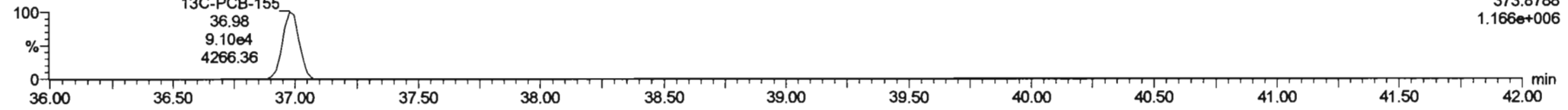


**13C-PCB-155**

200617K1\_6

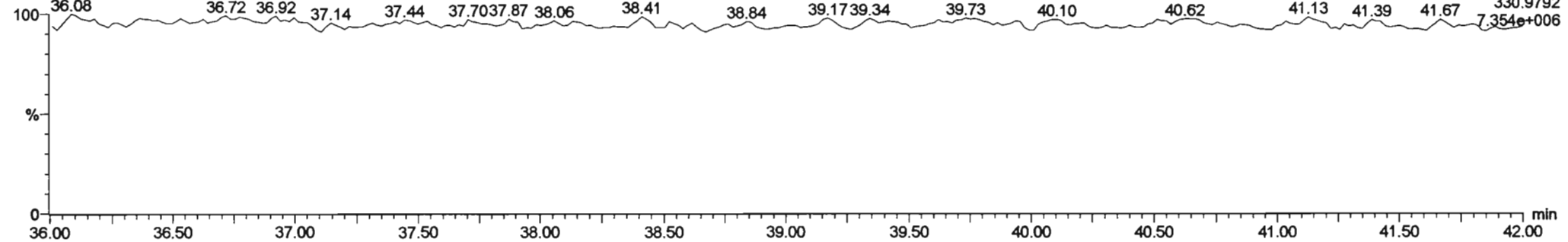


200617K1\_6



**PFK3c**

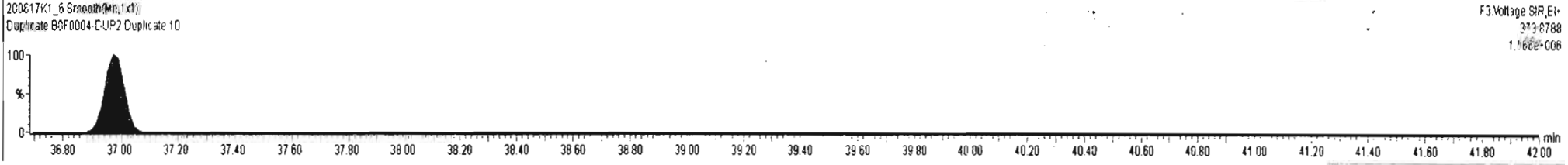
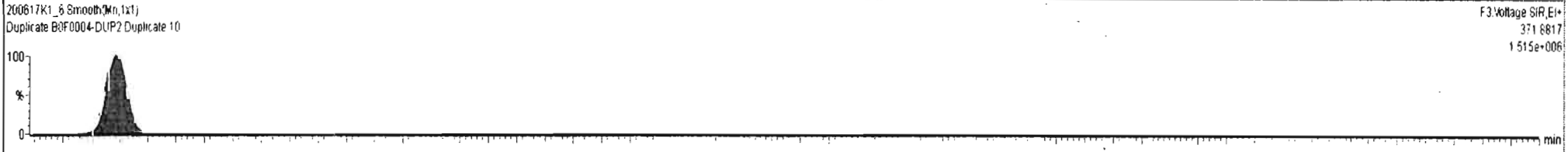
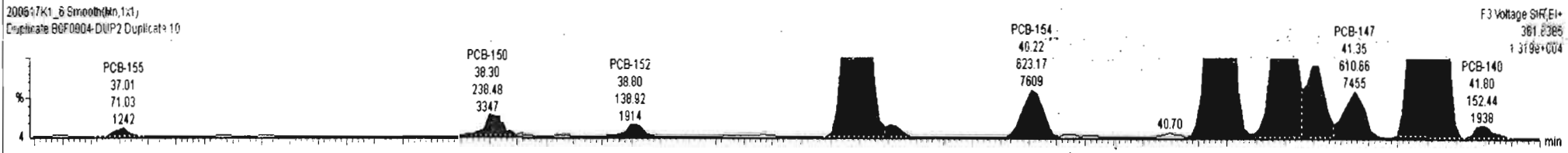
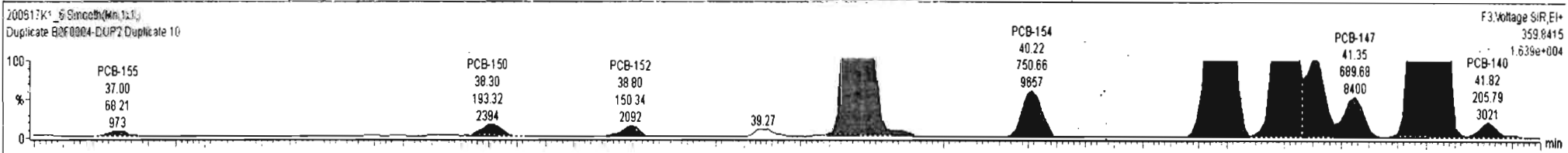
200617K1\_6



200617K1\_6 - B0F004-DUP2 Duplicate 10 - Duplicate

#	Name	Resp	RA	nly	RRF	wtAvd	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.9505	5.261	0.00		0.000		NO	743.3		6.67	748.3
232	232 4th Function Hexa-PCBs				1.0316	5.261	0.00		0.000		NO	1337		8.57	1355
233	233 Total Hexa-PCBs				1.3551	5.261	0.00		0.000		NO	1046		12.8	1075
234	234 4th Function Octa-PCBs				1.0008	5.261	0.00		0.000		NO	187.6		4.32	208.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	98 PCB-155	37.00	37.00	6.821e1	7.103e1	1.240	0.96	YES	1.0634	0.00000
2	99 PCB-150	38.32	38.30	1.933e2	2.385e2	1.240	0.81	YES	2.9033	0.00000
3	100 PCB-152	38.80	38.80	1.503e2	1.389e2	1.240	1.06	NO	2.1960	2.1960
4	102 PCB-136	39.60	39.60	5.971e3	4.261e3	1.240	1.37	NO	91.160	91.160
5	103 PCB-146	39.71	39.71	5.598e1	8.101e1	1.240	0.69	YES	1.0824	0.00000
6	104 PCB-154	40.22	40.22	7.507e2	6.232e2	1.240	1.20	NO	13.466	13.466
7	105 PCB-151	40.88	40.88	6.506e3	5.430e3	1.240	1.21	NO	137.73	137.73
8	106 PCB-135	41.09	41.11	3.522e3	3.030e3	1.240	1.29	NO	67.901	67.901
9	107 PCB-144	41.20	41.20	1.044e3	7.432e2	1.240	1.40	NO	20.402	20.402
10	108 PCB-147	41.33	41.35	6.897e2	6.107e2	1.240	1.13	NO	14.035	14.035
11	109 PCB-139/149	41.62	41.61	2.304e4	1.824e4	1.240	1.26	NO	392.34	392.34
12	110 PCB-140	41.80	41.82	2.058e2	1.524e2	1.240	1.35	NO	4.0659	4.0659

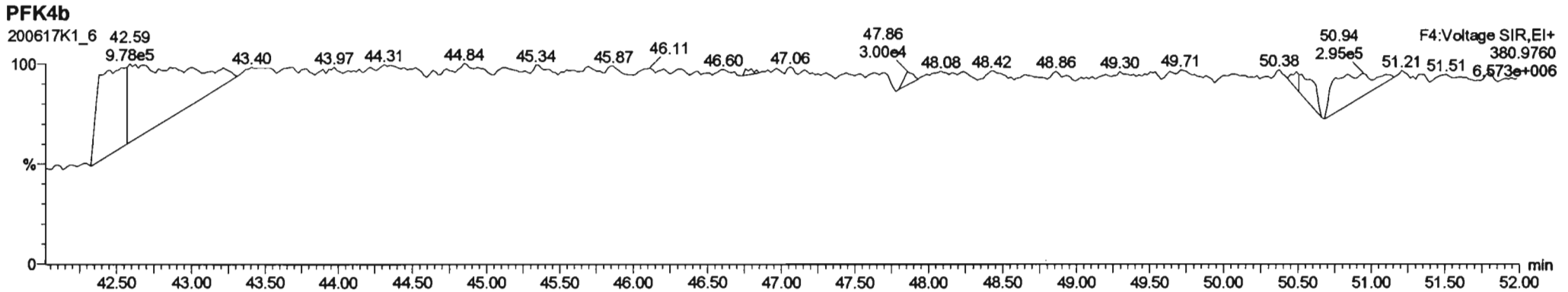
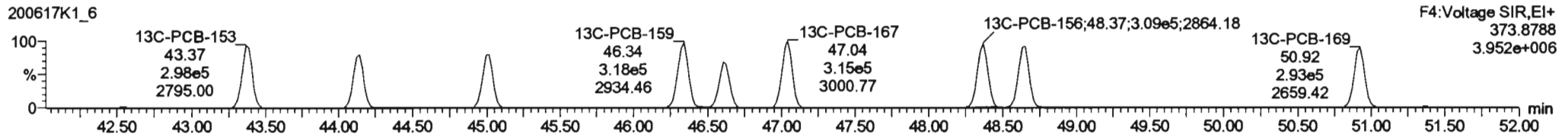
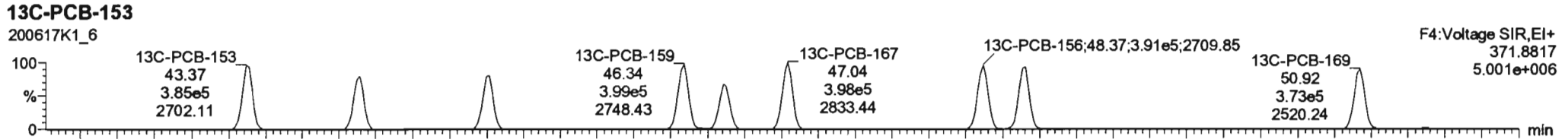
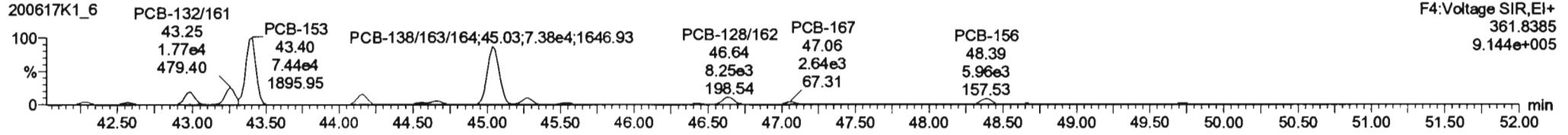
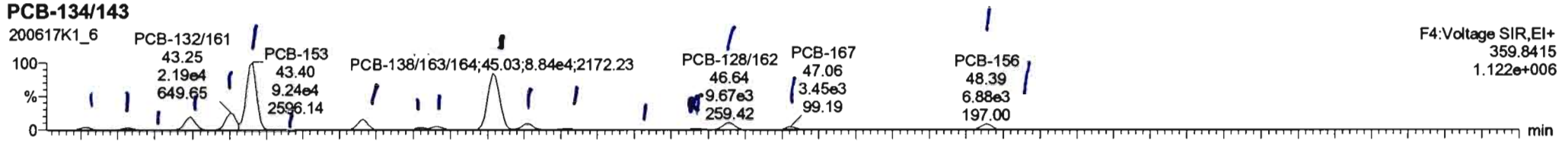


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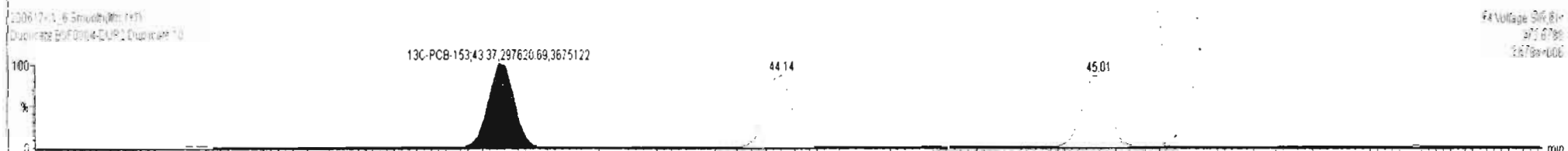
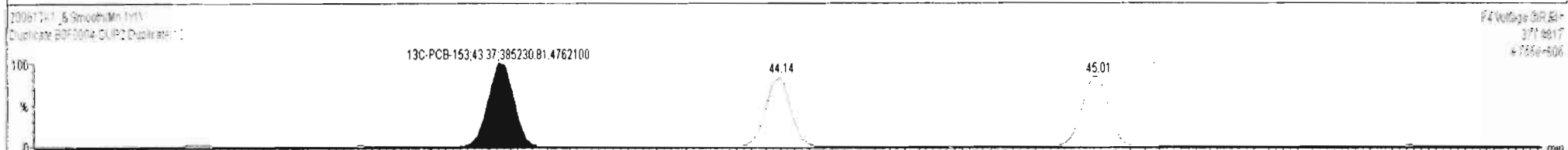
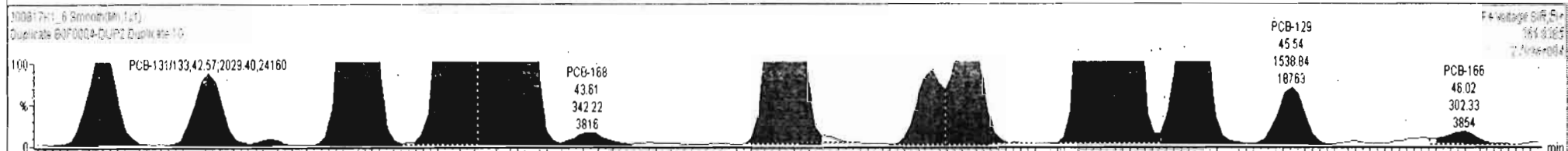
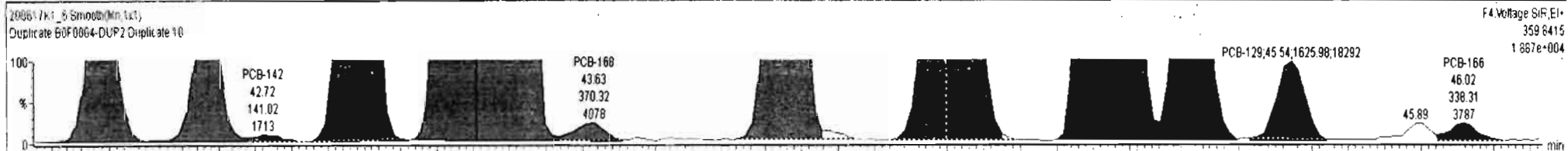
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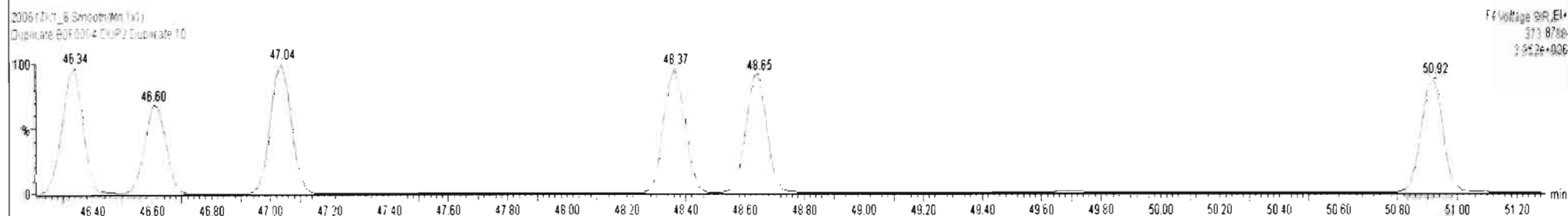
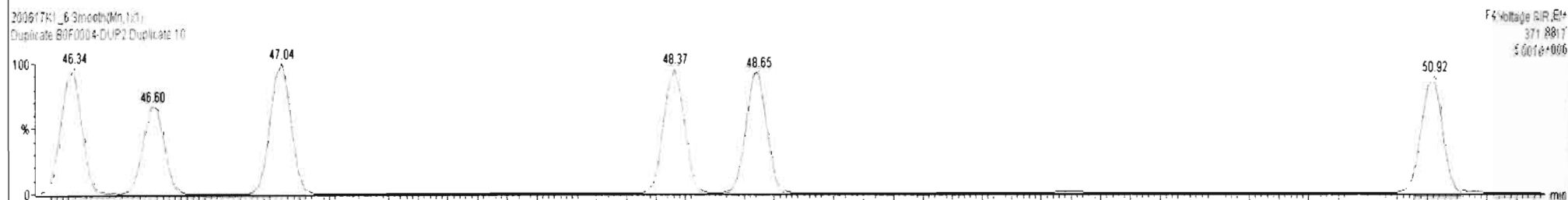
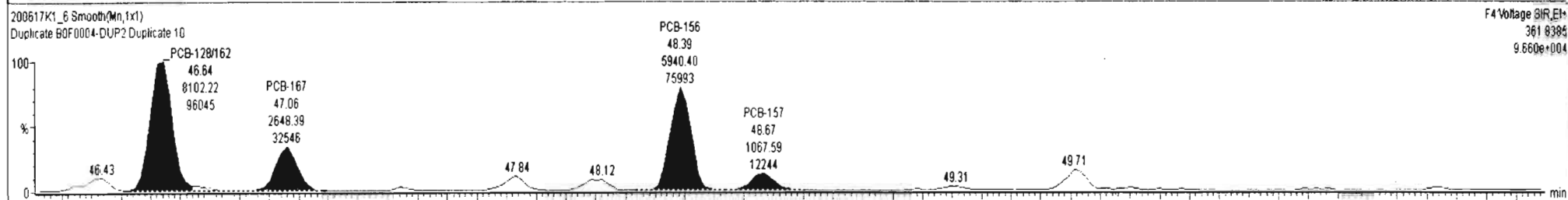
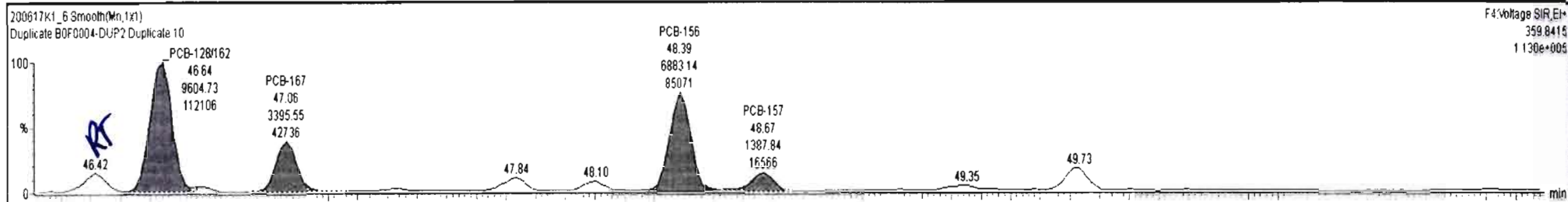
#	Name	Resp	RA	nly	RRF	wtVcl	Pred RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				1.0316	5.261	0.00		0.000		NO	1352		8.57	1356
233	233 Total Hepta-PCBs				1.3551	5.261	0.00		0.000		NO	1046		12.8	1075

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
1	111 PCB-134/143	42.28	42.28	3.474e3	2.770e3	1.240	1.25	NO	22.903	22.903
2	112 PCB-131/133	42.58	42.57	2.640e3	2.029e3	1.240	1.30	NO	15.837	15.837
3	113 PCB-142	42.72	42.72	1.410e2	1.106e2	1.240	1.28	NO	0.92863	0.92863
4	114 PCB-146/165	42.97	42.99	1.683e4	1.351e4	1.240	1.25	NO	83.339	83.339
5	115 PCB-132/161	43.20	43.25	2.186e4	1.766e4	1.240	1.24	NO	107.41	107.41
6	116 PCB-153	43.38	43.40	9.243e4	7.444e4	1.240	1.24	NO	433.90	433.90
7	117 PCB-168	43.61	43.63	3.703e2	3.422e2	1.240	1.08	NO	1.8412	1.8412
8	118 PCB-141	44.16	44.16	1.370e4	1.105e4	1.240	1.24	NO	80.214	80.214
9	119 PCB-137	44.56	44.56	2.229e3	1.947e3	1.240	1.14	NO	12.515	12.515
10	120 PCB-130	44.66	44.65	4.088e3	3.733e3	1.240	1.10	NO	29.391	29.391
11	121 PCB-138/163/164	45.05	45.03	8.842e4	7.384e4	1.240	1.20	NO	406.32	406.32
12	122 PCB-158/160	45.30	45.28	8.306e3	6.794e3	1.240	1.22	NO	39.144	39.144
13	123 PCB-129	45.56	45.54	1.626e3	1.539e3	1.240	1.06	NO	11.737	11.737
14	124 PCB-166	46.02	46.02	3.383e2	3.023e2	1.240	1.12	NO	1.4860	1.4860



#	Name	Resp	RA	nly	RRF	wAval	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				1.0316	5.261	0.00		0.000		NO	1351		8.57	1351
233	233 Total Hepta-PCBs				1.3551	5.261	0.00		0.000		NO	1046		12.8	1075

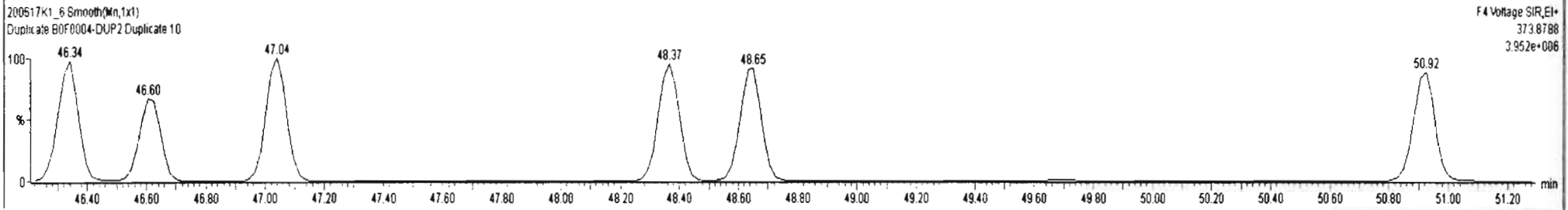
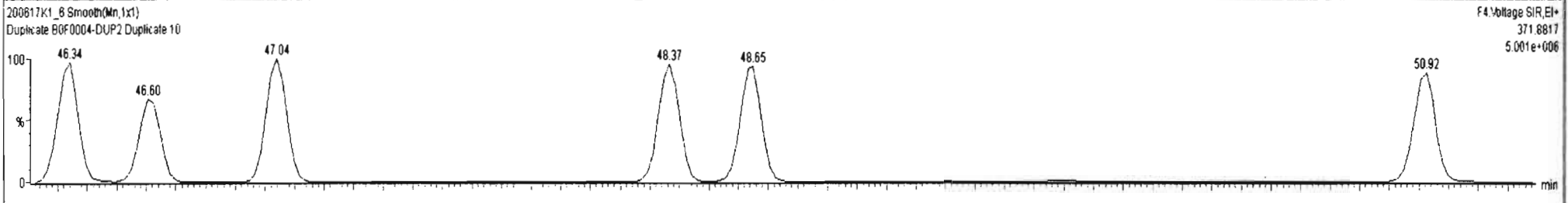
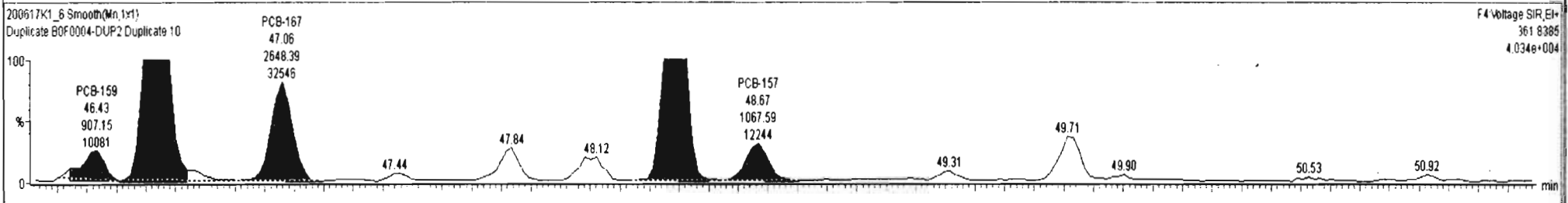
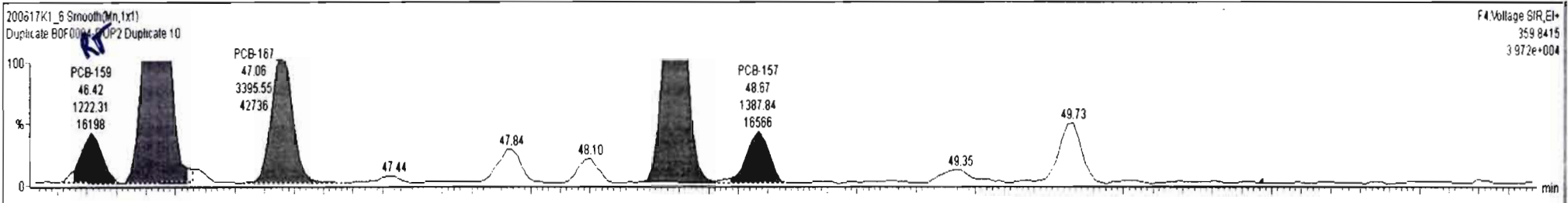
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
15	126 PCB-128/162	46.65	46.64	9.605e3	8.102e3	1.240	1.19	NO	51.733	51.733
16	127 PCB-167	47.06	47.06	3.396e3	2.648e3	1.240	1.28	NO	14.520	14.520
17	128 PCB-156	48.39	48.39	6.883e3	5.940e3	1.240	1.16	NO	30.911	30.911
18	129 PCB-157	48.69	48.67	1.389e3	1.068e3	1.240	1.30	NO	6.5459	6.5459



#	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	5.261	0.00		0.000		NO	1355		6.57	1355
233	233 Total Hepta-PCBs				1.3551	5.261	0.00		0.000		NO	1046		12.8	1075

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
15	125 PCB-159	46.36	46.42	1.222e3	9.071e2	1.240	1.35	NO	4.6409	4.6409
16	126 PCB-128/162	46.55	46.64	9.605e3	8.102e3	1.240	1.19	NO	51.733	51.733
17	127 PCB-167	47.06	47.06	3.396e3	2.648e3	1.240	1.28	NO	14.520	14.520
18	128 PCB-156	48.39	48.39	6.883e3	5.940e3	1.240	1.16	NO	30.911	30.911
19	129 PCB-157	48.69	48.67	1.388e3	1.068e3	1.240	1.30	NO	6.5459	6.5459

*-0.08 late.*





Dataset: Untitled

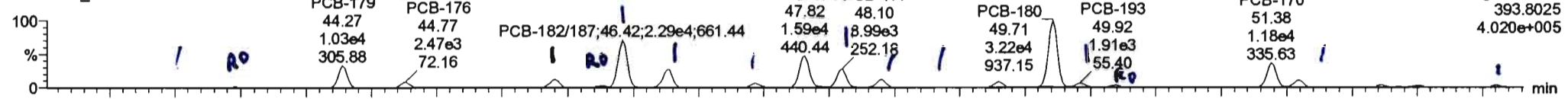
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*July 06/24/2020*

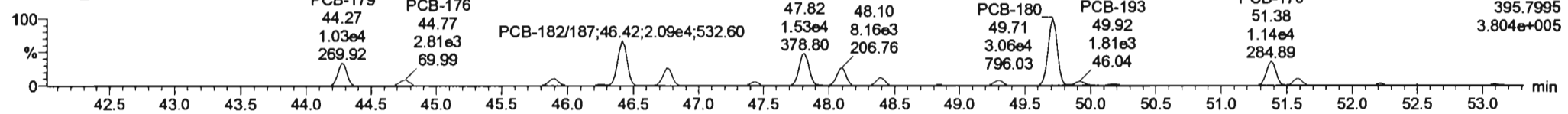
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**PCB-188**

200617K1\_6

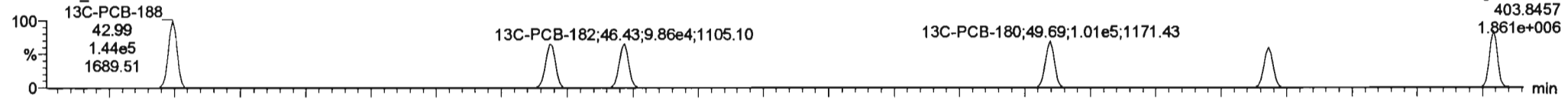


200617K1\_6

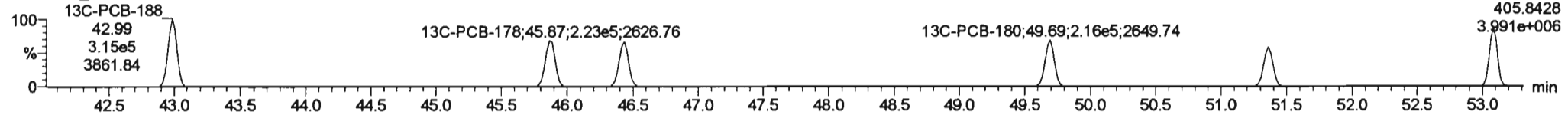


**13C-PCB-188**

200617K1\_6

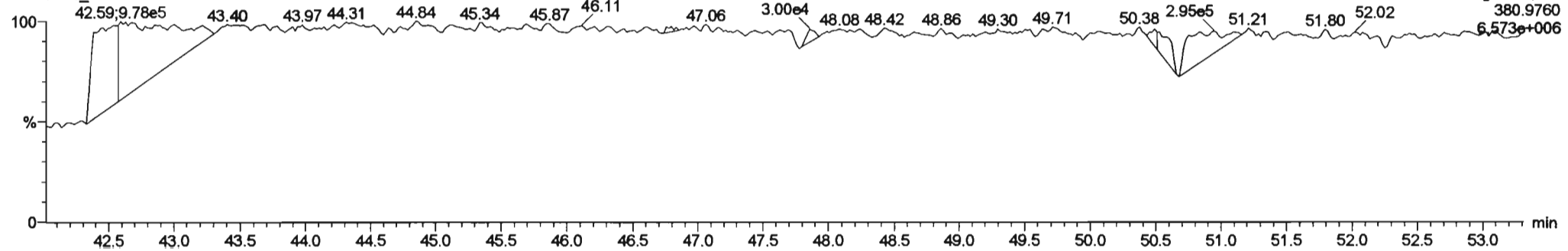


200617K1\_6



**PFK4c**

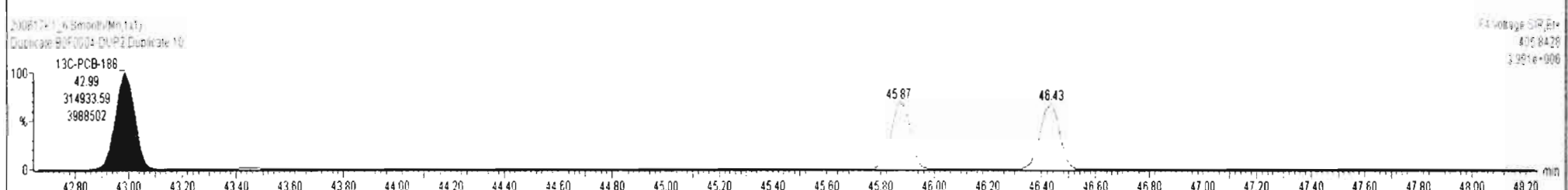
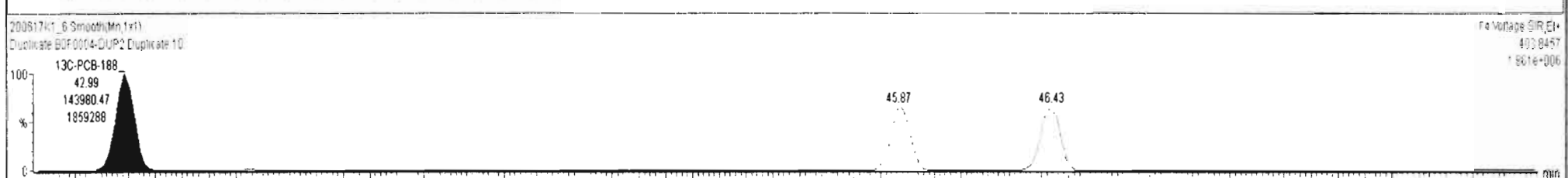
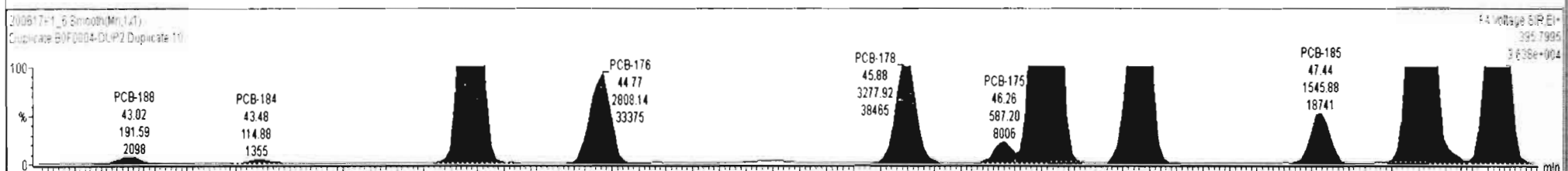
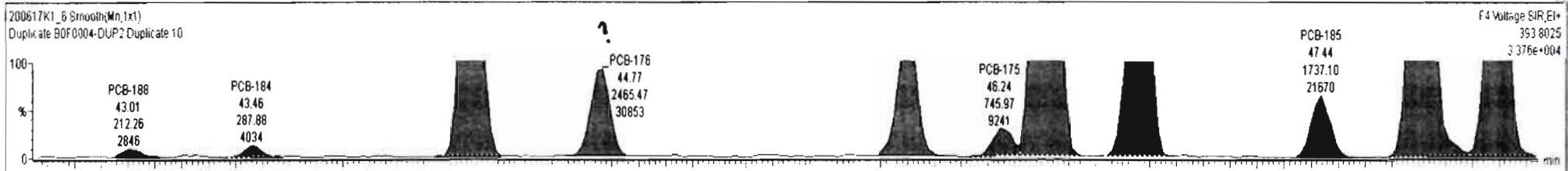
200617K1\_6



#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.261	0.00		0.000		NO	1048		12.8	1076
234	234 4th Function Octa-PCBs				1.0008	5.261	0.00		0.000		NO	187.6		4.32	206.3

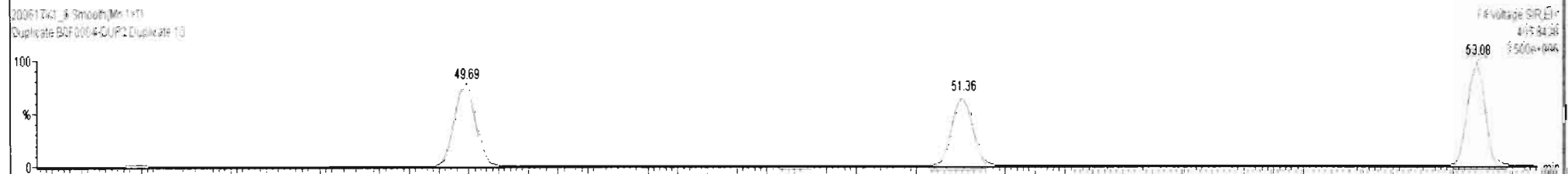
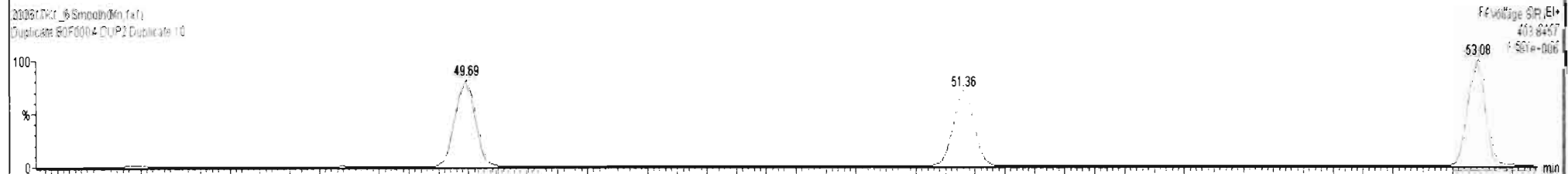
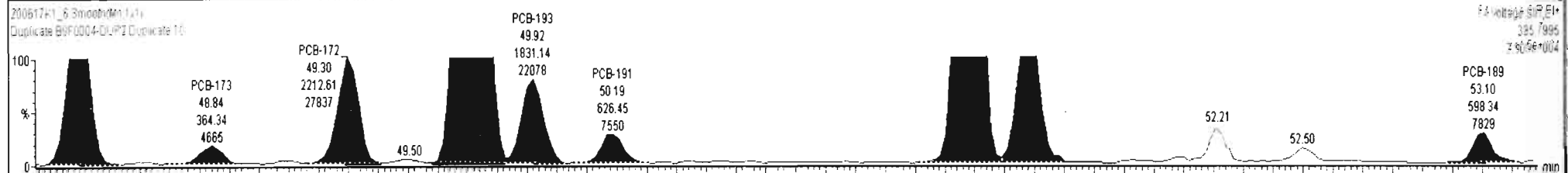
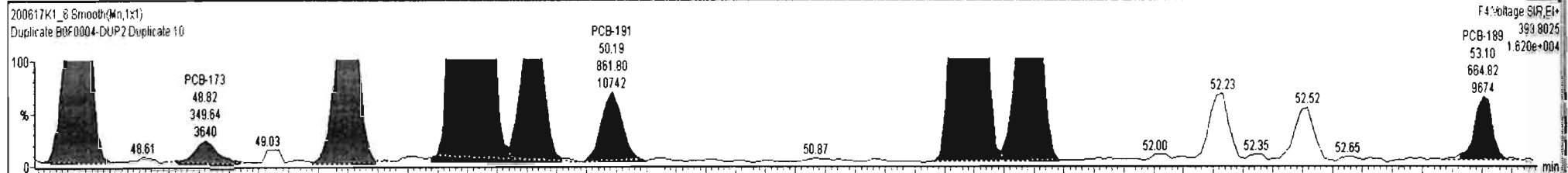
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	131 PCB-188	43.02	43.01	2.123e2	1.916e2	1.050	1.11	NO	1.2970	1.2970
2	132 PCB-184	43.45	43.46	2.879e2	1.149e2	1.050	2.51	YES	0.79197	0.00000
3	133 PCB-179	44.28	44.27	1.030e4	1.032e4	1.050	1.00	NO	65.794	65.794
4	134 PCB-176	44.74	44.77	2.465e3	2.808e3	1.050	0.88	YES	15.235	0.00000
5	136 PCB-178	45.89	45.90	3.817e3	3.278e3	1.050	1.16	NO	31.153	31.153
6	137 PCB-175	46.24	46.24	7.480e2	5.872e2	1.050	1.27	YES	5.2142	0.00000
7	138 PCB-182/187	46.42	46.42	2.297e4	2.093e4	1.050	1.10	NO	170.56	170.56
8	139 PCB-183	46.76	46.76	9.079e3	8.284e3	1.050	1.10	NO	70.313	70.313
9	140 PCB-185	47.44	47.44	1.737e3	1.546e3	1.050	1.12	NO	13.987	13.987
10	141 PCB-174	47.82	47.82	1.536e4	1.536e4	1.050	1.04	NO	138.58	138.58
11	143 PCB-177	48.08	48.10	9.069e3	8.168e3	1.050	1.11	NO	80.786	80.786

0.03 ok, but not consistent w/ rest of group



#	Name	Resp	RA	n/y	RRF	w/Aol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	230 Total Hepta-PCBs				1.3551	5.261	0.00		0.000		NO	1053		12.8	1079
234	234 4th Function Octa-PCBs				1.0008	5.261	0.00		0.000		NO	187.6		4.32	206.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
12	144 PCB-171	48.38	48.40	3.632e3	3.467e3	1.050	1.05	NO	32.299	32.299
13	145 PCB-173	48.82	48.82	3.496e2	3.643e2	1.050	0.96	NO	3.5934	3.5934
14	146 PCB-172	49.30	49.30	2.420e3	2.213e3	1.050	1.09	NO	20.175	20.175
15	148 PCB-180	49.71	49.71	3.244e4	3.067e4	1.050	1.06	NO	267.75	267.75
16	149 PCB-193	49.92	49.92	1.950e3	1.831e3	1.050	1.07	NO	13.506	13.506
17	150 PCB-191	50.18	50.19	8.618e2	6.265e2	1.050	1.38	YES	4.4971	0.00000
18	151 PCB-170	51.38	51.38	1.184e4	1.143e4	1.050	1.04	NO	114.67	114.67
19	152 PCB-190	51.57	51.59	3.276e3	3.151e3	1.050	1.04	NO	23.963	23.963
20	153 PCB-189	53.11	53.10	6.648e2	5.983e2	1.050	1.11	NO	4.7021	4.7021



Dataset: Untitled

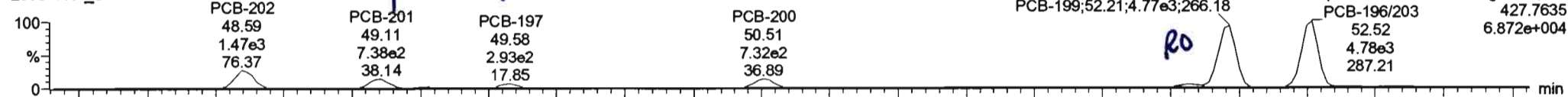
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

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

Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 Duplicate 10, Description: Duplicate

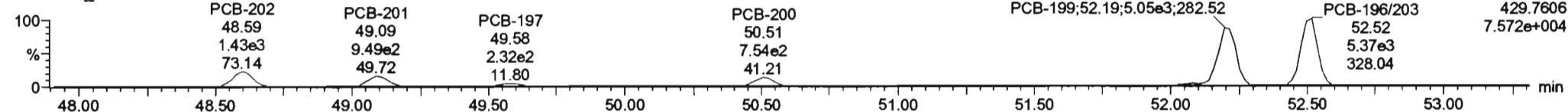
**PCB-202**

200617K1\_6



F4:Voltage SIR,EI+  
427.7635  
6.872e+004

200617K1\_6



F4:Voltage SIR,EI+  
429.7606  
7.572e+004

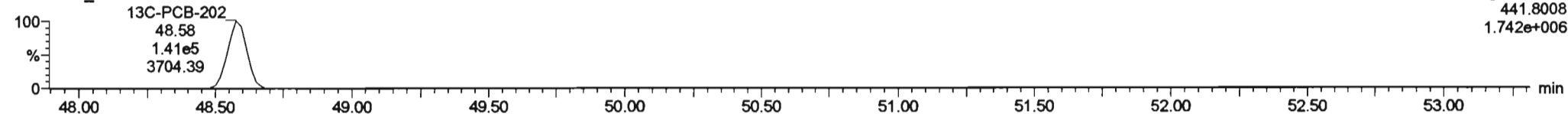
**13C-PCB-202**

200617K1\_6



F4:Voltage SIR,EI+  
439.8038  
1.635e+006

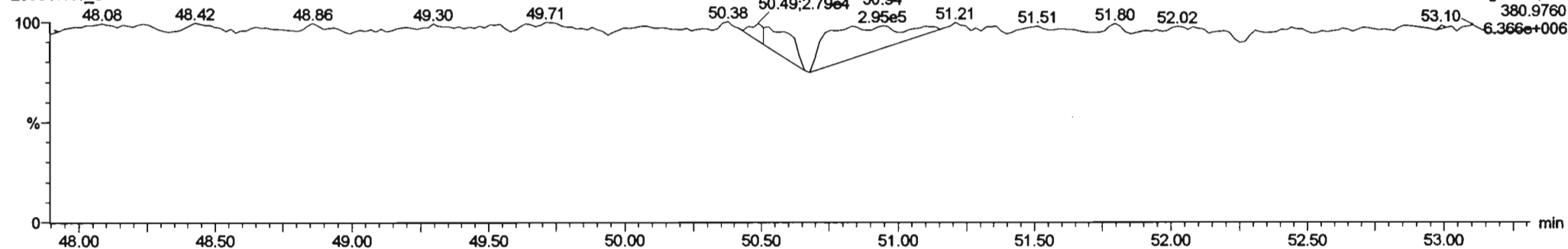
200617K1\_6



F4:Voltage SIR,EI+  
441.8008  
1.742e+006

**PFK4d**

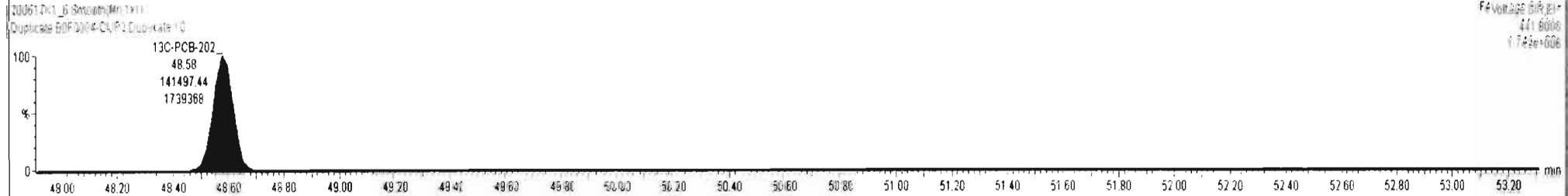
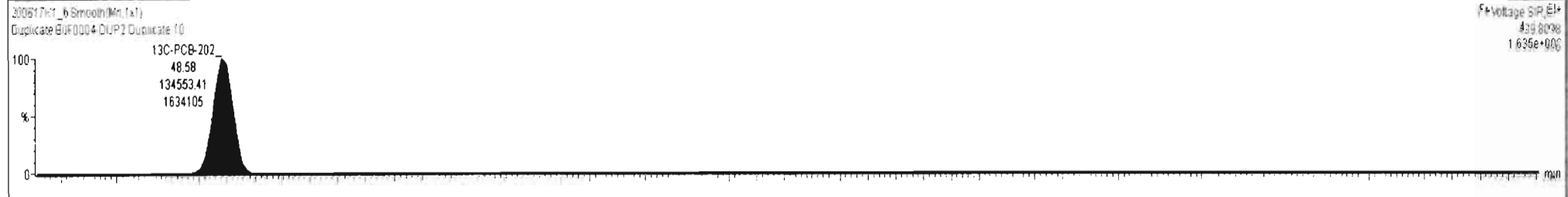
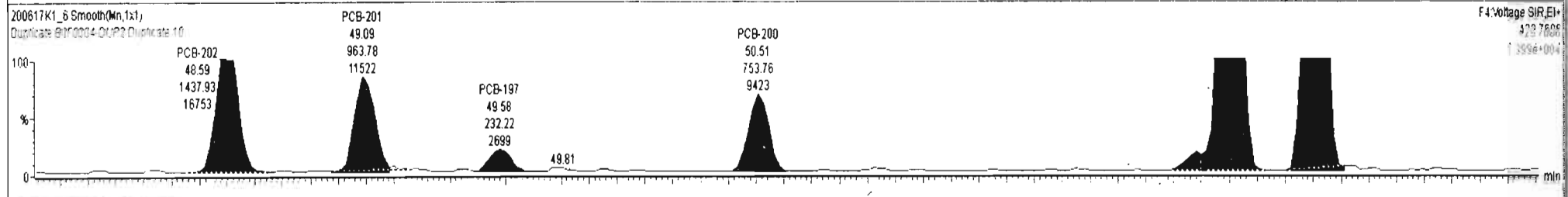
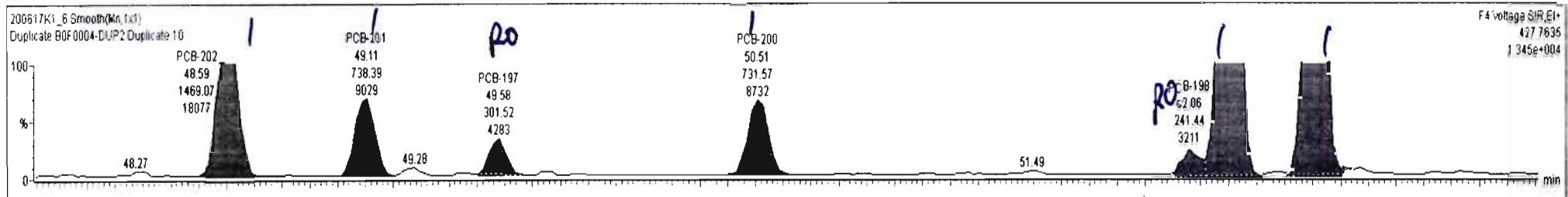
200617K1\_6



F4:Voltage SIR,EI+  
380.9760  
6.366e+006

#	Name	Resp	RA	n/y	RFf	wVvol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				1.0008	5.251	0.00		0.000		NO	205.5		4.32	211.0
235	235 5th Function Octa-PCBs				1.1499	5.261	0.00		0.000		NO	71.78		1.05	73.50

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	154 PCB-202	48.61	48.59	1.469e3	1.438e3	0.890	1.02	NO	17.134	17.134
2	155 PCB-201	49.10	49.11	7.384e2	9.638e2	0.890	0.77	NO	11.133	11.133
3	157 PCB-197	49.57	49.58	3.015e2	2.322e2	0.890	1.30	YES	2.6683	0.00000
4	158 PCB-200	50.50	50.51	7.316e2	7.538e2	0.890	0.97	NO	9.5556	9.5556
5	159 PCB-198	52.08	52.06	2.414e2	1.710e2	0.890	1.41	YES	2.8042	0.00000
6	160 PCB-199	52.18	52.21	4.806e3	5.014e3	0.890	0.96	NO	83.554	83.554
7	161 PCB-196/203	52.50	52.52	4.810e3	5.421e3	0.890	0.89	NO	84.115	84.115



Dataset: Untitled

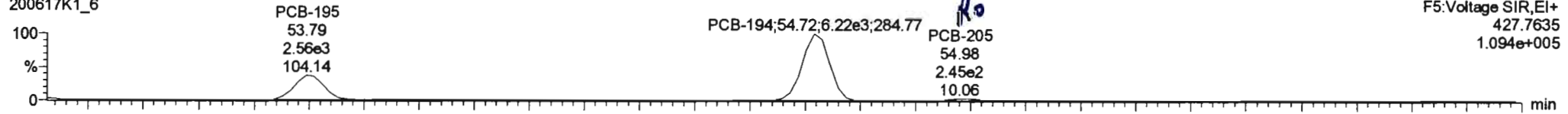
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

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

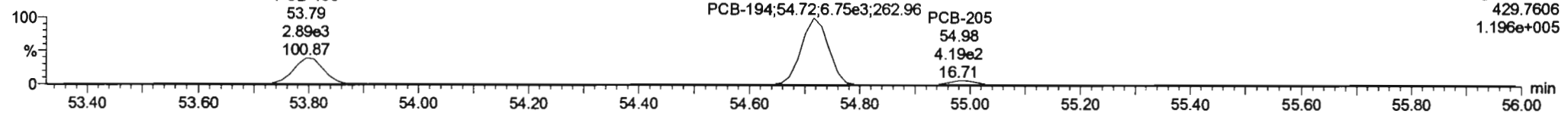
Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 Duplicate 10, Description: Duplicate

**PCB-195**

200617K1\_6

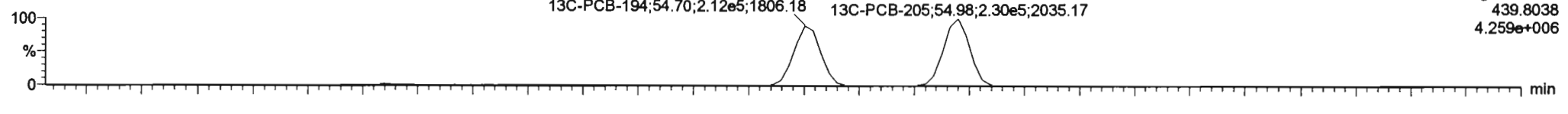


200617K1\_6

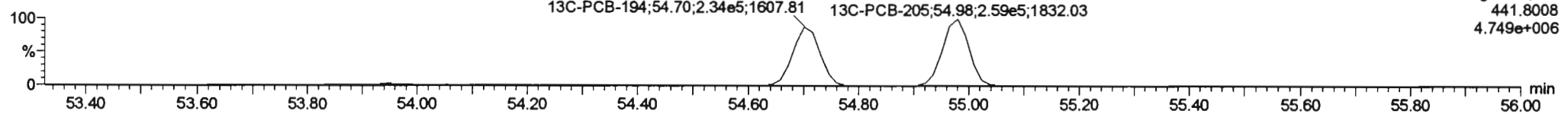


**13C-PCB-194**

200617K1\_6

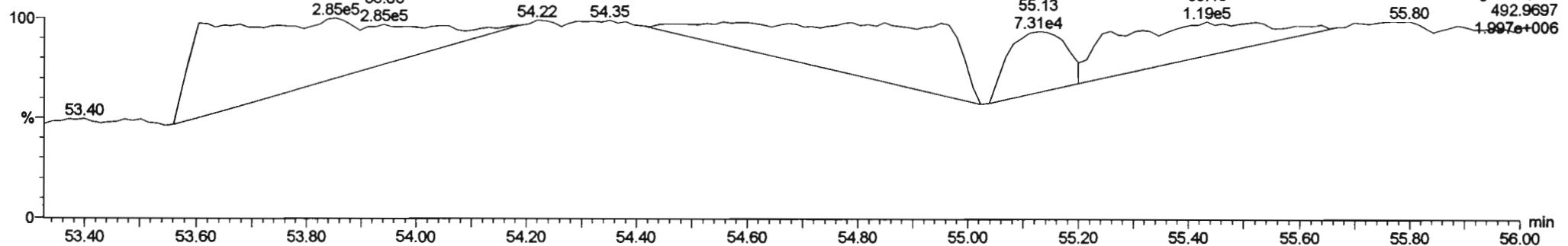


200617K1\_6



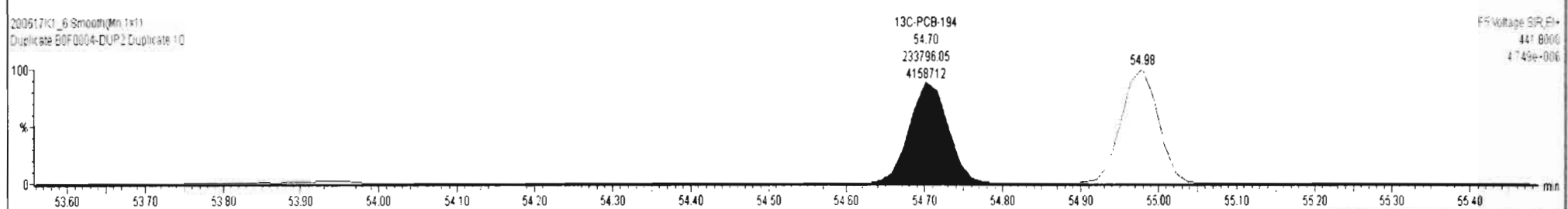
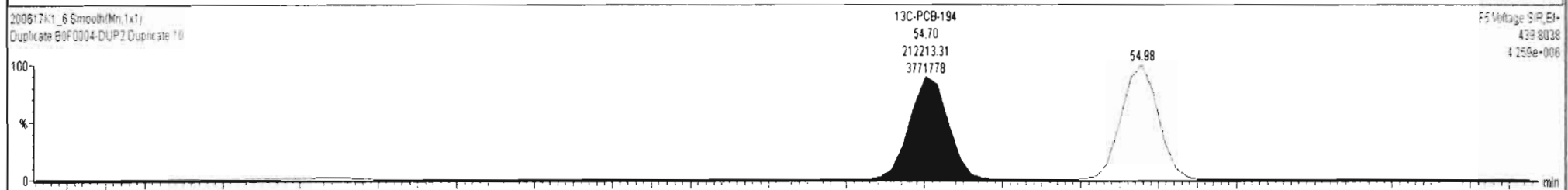
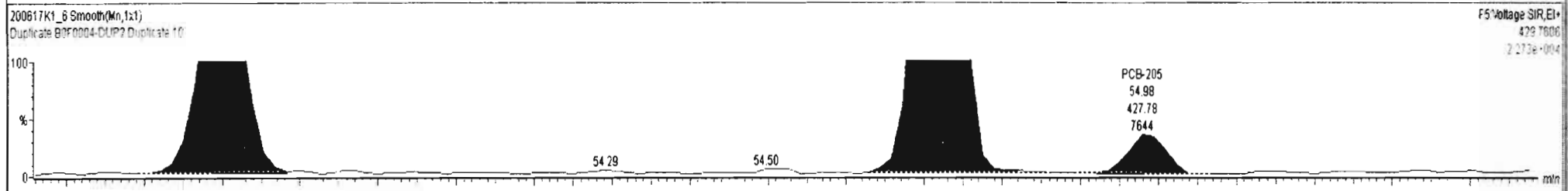
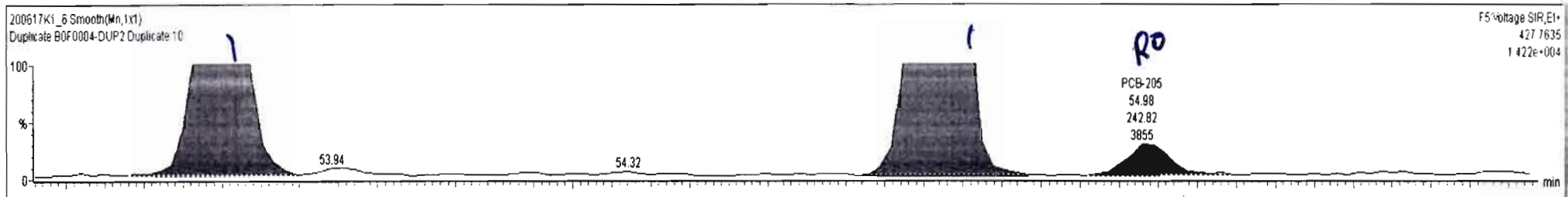
**PFK5a**

200617K1\_6



#	Name	Resp	RA	n/y	RRF	w/Vol	Pred.RT	RT	Pred.R...	RRF	RRF Fail	Conc.	%Rec	DL	EMPC
235	9th Function Octa-PCBs				1.1499	5.261	0.00		0.000		NO	71.99		1.05	73.69
236	Total Nona-PCBs				0.9523	5.261	0.00		0.000		NO	60.79		1.11	60.79

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	162 PCB-195	53.80	53.79	2.562e3	2.919e3	0.890	0.88	NO	22.365	22.365
2	163 PCB-194	54.72	54.72	6.245e3	6.748e3	0.890	0.93	NO	49.622	49.622
3	164 PCB-205	54.98	54.96	2.429e2	4.278e2	0.890	0.57	YES	1.7044	0.00000



Dataset: Untitled

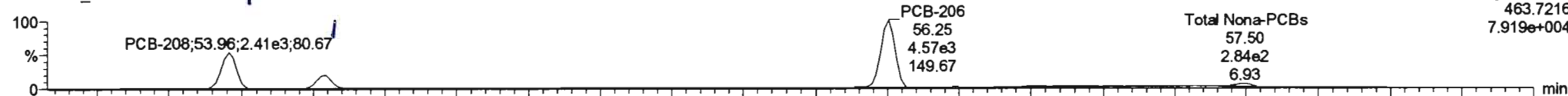
Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time

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

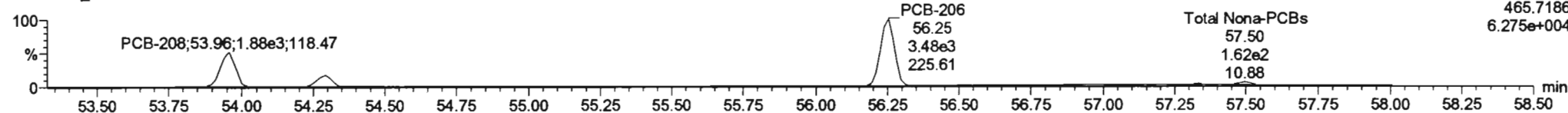
Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 Duplicate 10, Description: Duplicate

**PCB-208**

200617K1\_6

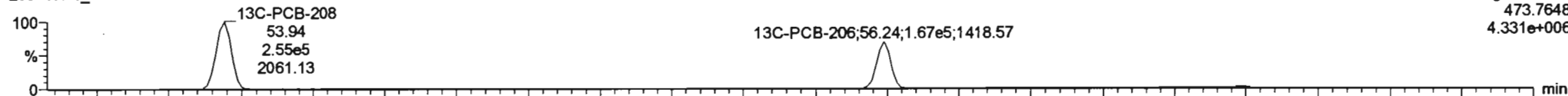


200617K1\_6

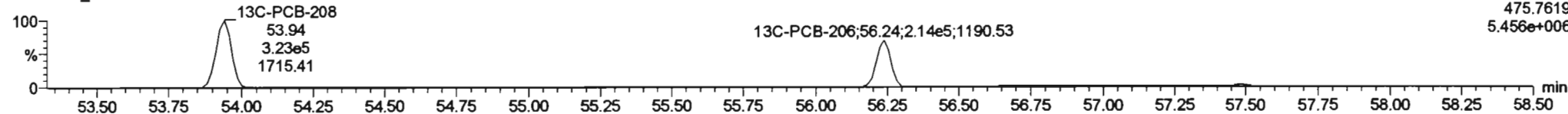


**13C-PCB-208**

200617K1\_6

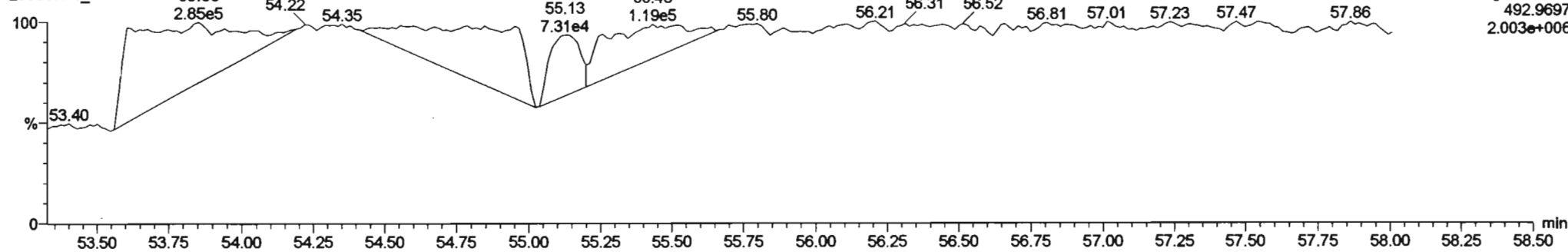


200617K1\_6



**PFK5**

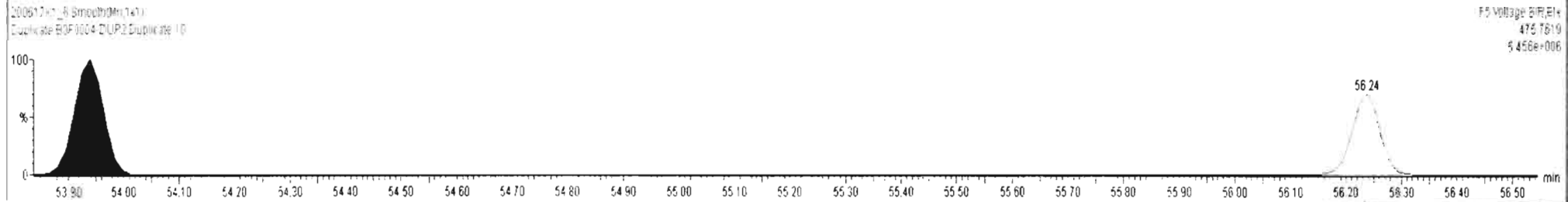
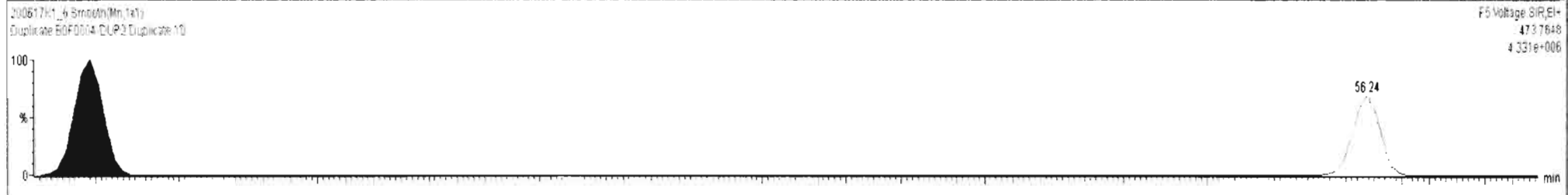
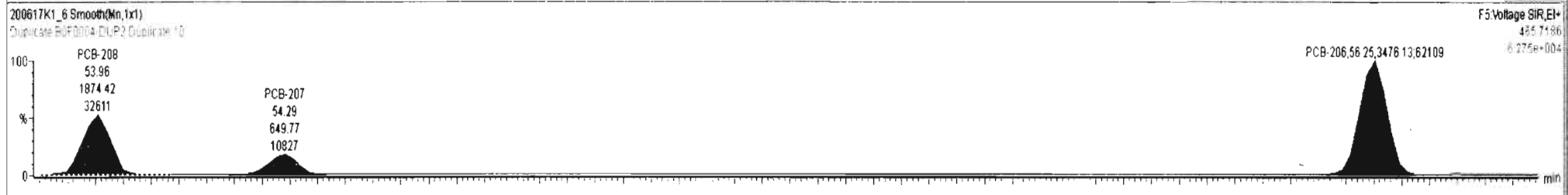
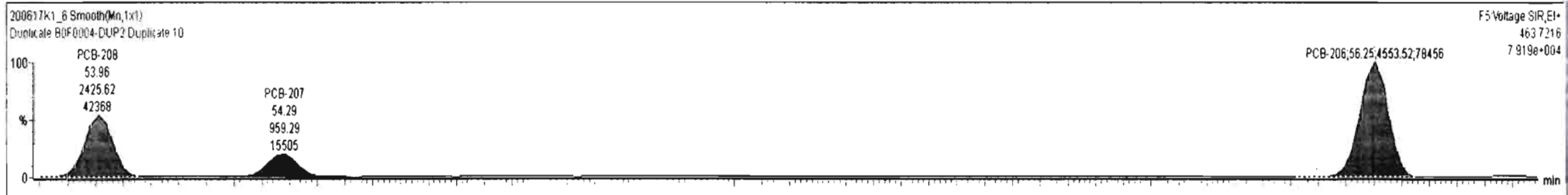
200617K1\_6





#	Name	Resp	RA	nly	RRF	wVol	Pred RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
236	236 Total Nona-PCBs				0.9523	5.261	0.00		0.000		NO	60.77		1.11	60.77
237	237 Deca-CB				0.9864	5.261	0.00		0.000		NO	50.18		0.174	50.18

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	165 PCB-208	53.96	53.96	2.426e3	1.874e3	1.340	1.29	NO	15.153	15.153
2	166 PCB-207	54.28	54.29	9.593e2	6.498e2	1.340	1.48	NO	5.7740	5.7740
3	167 PCB-206	56.25	56.25	4.554e3	3.476e3	1.340	1.31	NO	39.844	39.844



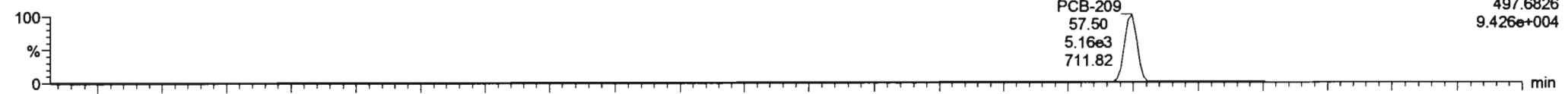
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

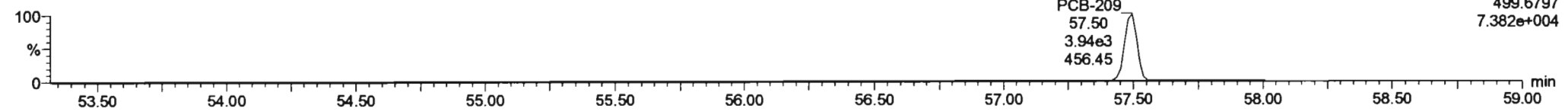
Name: 200617K1\_6, Date: 17-Jun-2020, Time: 18:22:45, ID: B0F0004-DUP2 Duplicate 10, Description: Duplicate

**PCB-209**

200617K1\_6

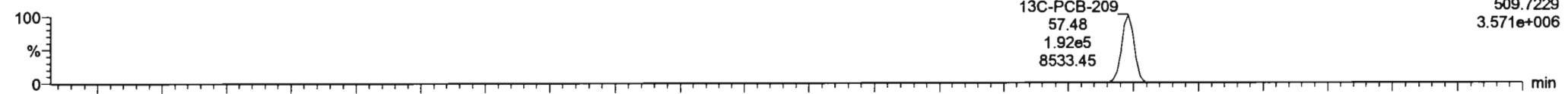


200617K1\_6

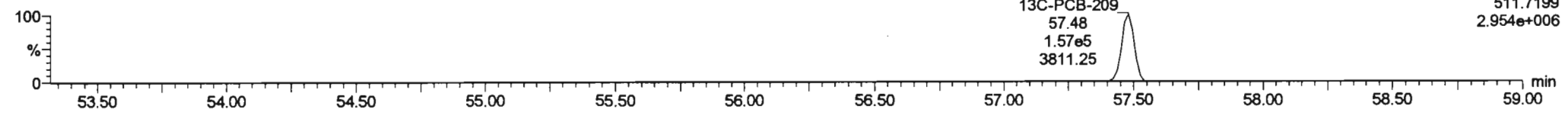


**13C-PCB-209**

200617K1\_6

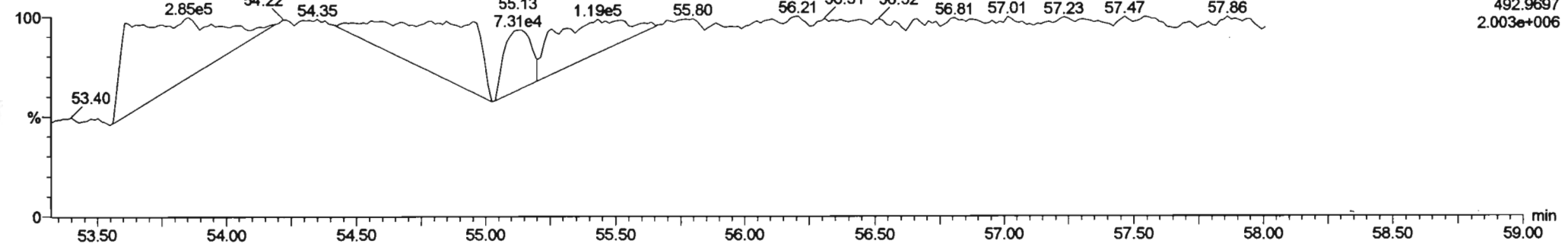


200617K1\_6



**PFK5b**

200617K1\_6



Dataset: U:\VG11.PRO\Results\200617K1\200617K1-11.qld

Last Altered: Friday, June 26, 2020 5:03:19 PM Pacific Daylight Time

Printed: Friday, June 26, 2020 5:11:08 PM Pacific Daylight Time

*Uly 06-26-2020*

*07/02/2020*

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\_11, Date: 17-Jun-2020, Time: 23:26:05, ID: 2001154-02 PDI-173SC-A-00-01-200521 10, Description: PDI-173SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	5.76e2	2.84	NO	1.17	5.090	15.53	15.52	1.001	1.000	NO	0.9658		0.278	0.9658
2	2 PCB-2	1.54e3	2.73	NO	1.18	5.090	17.94	17.93	0.988	0.987	NO	2.205		0.241	2.205
3	3 PCB-3	1.15e3	2.87	NO	1.15	5.090	18.17	18.18	1.001	1.001	NO	1.693		0.249	1.693
4	4 PCB-4/10	2.39e3	1.43	NO	1.25	5.090	19.59	19.53	1.004	1.001	NO	5.344		1.43	5.344
5	5 PCB-7/9			NO	0.960	5.090	21.40		1.003		YES			1.13	
6	6 PCB-6			NO	1.02	5.090	22.05		1.033		YES			1.06	
7	7 PCB-5/8	3.81e3	1.47	NO	0.992	5.090	22.45	22.44	1.052	1.052	NO	6.263		1.09	6.263
8	8 PCB-14			NO	1.02	5.090	23.59		0.952		YES			0.988	
9	9 PCB-11	5.99e3	1.34	NO	1.13	5.090	24.81	24.80	1.001	1.000	NO	7.799		0.893	7.799
10	10 PCB-12/13			NO	1.03	5.090	25.25		1.018		YES			0.979	
11	11 PCB-15	3.44e3	1.44	NO	1.03	5.090	25.56	25.54	1.031	1.030	NO	4.867		0.971	4.867
12	12 PCB-19	6.11e3	1.08	NO	1.11	5.090	23.78	23.77	1.001	1.001	NO	14.52		0.756	14.52
13	13 PCB-30			NO	1.79	5.090	24.68		1.039		YES			0.466	
14	14 PCB-18	5.80e3	1.07	NO	0.818	5.090	25.45	25.45	0.952	0.952	NO	11.81		0.642	11.81
15	15 PCB-17	5.97e3	1.16	NO	0.758	5.090	25.63	25.63	0.958	0.958	NO	13.12		0.692	13.12
16	16 PCB-24/27	1.78e3	1.07	NO	1.08	5.090	26.24	26.19	0.981	0.979	NO	2.734		0.485	2.734
17	17 PCB-16/32	8.75e3	1.04	NO	0.925	5.090	26.76	26.76	1.001	1.001	NO	15.75		0.567	15.75
18	18 PCB-34			NO	0.945	5.090	27.56		0.959		YES			0.694	
19	19 PCB-23			NO	0.883	5.090	27.65		0.962		YES			0.744	
20	20 PCB-29			NO	0.893	5.090	27.91		0.971		YES			0.735	
21	21 PCB-26	3.25e3	1.44	YES	0.944	5.090	28.14	28.14	0.979	0.979	NO	4.916		0.696	4.140
22	22 PCB-25	1.84e3	0.82	YES	0.950	5.090	28.29	28.29	0.984	0.984	NO	2.769		0.691	2.466
23	23 PCB-31	1.03e4	1.02	NO	1.04	5.090	28.66	28.66	0.997	0.997	NO	14.26		0.634	14.26
24	24 PCB-28	2.18e4	1.02	NO	1.03	5.090	28.77	28.77	1.001	1.001	NO	30.51		0.641	30.51
25	25 PCB-20/21/33	7.14e3	0.91	NO	0.941	5.090	29.41	29.42	1.023	1.023	NO	10.90		0.697	10.90
26	26 PCB-22	3.81e3	1.15	NO	0.973	5.090	29.85	29.87	1.038	1.039	NO	5.625		0.675	5.625
27	27 PCB-36			NO	1.08	5.090	30.55		0.931		YES			0.629	
28	28 PCB-39			NO	0.988	5.090	31.04		0.946		YES			0.685	
29	29 PCB-38			NO	1.05	5.090	31.84		0.970		YES			0.644	
30	30 PCB-35			NO	1.04	5.090	32.38		0.987		YES			0.649	

Dataset: U:\WG11.PRO\Results\200617K1\200617K1-11.qld

Last Altered: Friday, June 26, 2020 5:03:19 PM Pacific Daylight Time

Printed: Friday, June 26, 2020 5:11:08 PM Pacific Daylight Time

Name: 200617K1\_11, Date: 17-Jun-2020, Time: 23:26:05, ID: 2001154-02 PDI-173SC-A-00-01-200521 10, Description: PDI-173SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	31 PCB-37	4.31e3	0.99	NO	1.01	5.090	32.83	32.83	1.001	1.001	NO	6.384		0.671	6.384
32	32 PCB-54	1.49e3	0.85	NO	1.08	5.090	27.62	27.62	1.001	1.001	NO	2.593		0.258	2.593
33	33 PCB-50	2.72e2	0.50	YES	0.880	5.090	28.81	28.81	1.044	1.044	NO	0.5803		0.317	0.4460
34	34 PCB-53	6.93e3	0.75	NO	0.997	5.090	29.50	29.50	0.944	0.944	NO	14.67		0.327	14.67
35	35 PCB-51	8.91e3	0.72	NO	1.07	5.090	29.84	29.83	0.955	0.955	NO	17.64		0.306	17.64
36	36 PCB-45	1.48e3	0.74	NO	0.858	5.090	30.29	30.28	0.969	0.969	NO	3.637		0.380	3.637
37	37 PCB-46	1.25e3	0.85	NO	0.831	5.090	30.78	30.78	0.985	0.985	NO	3.184		0.392	3.184
38	38 PCB-52/69	2.32e4	0.77	NO	1.17	5.090	31.28	31.28	1.001	1.001	NO	42.02		0.279	42.02
39	39 PCB-73	8.58e2	0.69	NO	1.44	5.090	31.39	31.39	1.005	1.005	NO	1.254		0.226	1.254
40	40 PCB-43/49	2.49e4	0.79	NO	1.02	5.090	31.57	31.58	1.010	1.011	NO	51.70		0.321	51.70
41	41 PCB-47	2.51e4	0.78	NO	0.922	5.090	31.80	31.80	1.001	1.001	NO	53.02		0.337	53.02
42	42 PCB-48/75	3.06e3	0.83	NO	1.12	5.090	31.92	31.92	1.004	1.004	NO	5.323		0.278	5.323
43	43 PCB-65			NO	1.28	5.090	32.19		1.013		YES			0.243	
44	44 PCB-62			NO	1.13	5.090	32.29		1.016		YES			0.276	
45	45 PCB-44	1.09e4	0.86	NO	0.824	5.090	32.64	32.66	1.027	1.028	NO	25.83		0.377	25.83
46	46 PCB-42/59	5.47e3	0.76	NO	1.05	5.090	32.87	32.88	1.034	1.035	NO	10.15		0.296	10.15
47	47 PCB-41/64/71/72	1.70e4	0.75	NO	1.19	5.090	33.47	33.46	1.053	1.053	NO	27.82		0.262	27.82
48	48 PCB-68	9.75e2	0.87	NO	1.28	5.090	33.72	33.74	1.061	1.061	NO	1.485		0.243	1.485
49	49 PCB-40	1.55e3	0.88	NO	0.602	5.090	33.95	33.92	1.068	1.067	NO	5.011		0.516	5.011
50	50 PCB-57			NO	1.16	5.090	34.30		0.969		YES			0.211	
51	51 PCB-67	6.24e2	0.71	NO	1.08	5.090	34.62	34.63	0.978	0.978	NO	0.9398		0.227	0.9398
52	52 PCB-58	2.39e2	0.76	NO	1.20	5.090	34.74	34.74	0.982	0.982	NO	0.3243		0.204	0.3243
53	53 PCB-63	1.04e3	1.06	YES	1.07	5.090	34.90	34.89	0.986	0.986	NO	1.581		0.229	1.360
54	54 PCB-74	9.33e3	0.76	NO	1.19	5.090	35.20	35.21	0.994	0.995	NO	12.86		0.208	12.86
55	55 PCB-61/70	2.30e4	0.77	NO	1.05	5.090	35.41	35.41	1.000	1.001	NO	35.72		0.233	35.72
56	56 PCB-76/66	2.26e4	0.74	NO	1.16	5.090	35.60	35.64	1.006	1.007	NO	31.67		0.211	31.67
57	57 PCB-80			NO	1.19	5.090	35.84		1.001		YES			0.212	
58	58 PCB-55	3.94e2	0.70	NO	1.17	5.090	36.16	36.14	1.010	1.009	NO	0.5376		0.215	0.5376
59	59 PCB-56/60	8.85e3	0.80	NO	1.02	5.090	36.68	36.68	1.024	1.024	NO	13.85		0.247	13.85
60	60 PCB-79	5.01e2	0.49	YES	1.14	5.090	37.78	37.81	1.055	1.056	NO	0.7017		0.221	0.5334
61	61 PCB-78			NO	1.14	5.090	38.50		0.987		YES			0.231	
62	62 PCB-81	2.31e2	0.81	NO	1.05	5.090	39.04	39.08	1.000	1.001	NO	0.3630		0.251	0.3630
63	63 PCB-77	1.89e3	0.66	NO	1.14	5.090	39.66	39.67	1.000	1.001	NO	2.805		0.242	2.805

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Name: 200617K1\_11, Date: 17-Jun-2020, Time: 23:26:05, ID: 2001154-02 PDI-173SC-A-00-01-200521 10, Description: PDI-173SC-A-00-01-200521

#	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	5.090	32.51		1.001		YES			0.370	
65	65 PCB-96			NO	1.15	5.090	33.83		1.041		YES			0.359	
66	66 PCB-103			NO	0.936	5.090	34.40		1.059		YES			0.443	
67	67 PCB-100			NO	0.954	5.090	34.75		1.069		YES			0.435	
68	68 PCB-94	5.69e2	1.36	NO	0.949	5.090	35.19	35.17	0.985	0.985	NO	2.108		0.537	2.108
69	69 PCB-95/98/102	1.77e4	1.58	NO	1.20	5.090	35.67	35.73	0.999	1.001	NO	51.57		0.423	51.57
70	70 PCB-93			NO	0.935	5.090	35.79		1.002		YES			0.544	
71	71 PCB-88/91	4.63e3	1.42	NO	1.06	5.090	36.14	36.14	1.012	1.012	NO	15.30		0.478	15.30
72	72 PCB-121			NO	1.71	5.090	36.23		1.015		YES			0.298	
73	73 PCB-84/92	9.94e3	1.47	NO	1.02	5.090	37.08	37.07	0.990	0.990	NO	34.40		0.507	34.40
74	74 PCB-89			NO	1.11	5.090	37.25		0.995		YES			0.467	
75	75 PCB-90/101	2.63e4	1.58	NO	1.12	5.090	37.46	37.46	1.000	1.001	NO	82.54		0.460	82.54
76	76 PCB-113			NO	1.51	5.090	37.70		1.007		YES			0.341	
77	77 PCB-99	1.31e4	1.55	NO	1.32	5.090	37.79	37.81	1.009	1.010	NO	34.99		0.391	34.99
78	78 PCB-119	2.00e3	1.64	NO	1.81	5.090	38.28	38.28	0.987	0.987	NO	4.393		0.334	4.393
79	79 PCB-108/112	1.05e3	1.54	NO	1.44	5.090	38.44	38.47	0.991	0.992	NO	2.872		0.417	2.872
80	80 PCB-83			NO	1.83	5.090	38.59		0.995		YES			0.329	
81	81 PCB-97	5.53e3	1.59	NO	1.28	5.090	38.80	38.82	1.000	1.001	NO	17.08		0.470	17.08
82	82 PCB-86			NO	1.12	5.090	38.95		1.004		YES			0.539	
83	83 PCB-87/117/125	6.73e3	1.75	NO	1.56	5.090	39.10	39.10	1.008	1.008	NO	17.09		0.386	17.09
84	84 PCB-111/115	2.86e2	1.68	NO	1.91	5.090	39.25	39.25	1.012	1.012	NO	0.5926		0.315	0.5926
85	85 PCB-85/116	2.99e3	1.55	NO	1.41	5.090	39.38	39.38	1.015	1.015	NO	8.379		0.427	8.379
86	86 PCB-120	4.33e2	1.60	NO	2.01	5.090	39.64	39.64	1.022	1.022	NO	0.8548		0.300	0.8548
87	87 PCB-110	3.03e4	1.68	NO	1.74	5.090	39.77	39.79	1.026	1.026	NO	68.89		0.346	68.89
88	88 PCB-82	1.67e3	1.68	NO	0.781	5.090	40.44	40.44	0.976	0.976	NO	6.201		0.561	6.201
89	89 PCB-124	9.31e2	1.70	NO	1.40	5.090	41.15	41.13	0.993	0.992	NO	1.937		0.314	1.937
90	90 PCB-107/109	2.59e3	1.89	YES	1.34	5.090	41.29	41.31	0.996	0.997	NO	5.601		0.327	4.955
91	91 PCB-123			NO	1.20	5.090	41.46		1.000		YES			0.366	
92	92 PCB-106/118	2.33e4	1.65	NO	1.22	5.090	41.67	41.65	1.001	1.000	NO	53.22		0.334	53.22
93	93 PCB-114	5.27e2	1.48	NO	1.14	5.090	42.33	42.32	1.000	1.000	NO	0.9532		0.380	0.9532
94	94 PCB-122	2.34e2	1.75	NO	0.944	5.090	42.47	42.47	1.004	1.004	NO	0.5130		0.459	0.5130
95	95 PCB-105	7.83e3	1.40	NO	1.05	5.090	43.21	43.21	1.000	1.000	NO	15.11		0.401	15.11
96	96 PCB-127			NO	1.06	5.090	43.55		1.000		YES			0.390	

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#	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	5.090	45.52		1.000		YES			0.382	
98	98 PCB-155			NO	1.04	5.090	37.00		1.000		YES			0.242	
99	99 PCB-150	2.30e2	1.47	YES	1.08	5.090	38.32	38.30	1.036	1.036	NO	1.214		0.235	1.099
100	1... PCB-152			NO	1.19	5.090	38.80		1.049		YES			0.213	
101	1... PCB-145			NO	1.19	5.090	39.27		1.062		YES			0.213	
102	1... PCB-136	2.75e3	1.30	NO	1.02	5.090	39.60	39.58	1.071	1.070	NO	15.38		0.248	15.38
103	1... PCB-148			NO	0.842	5.090	39.71		1.074		YES			0.301	
104	1... PCB-154	7.85e2	1.17	NO	0.919	5.090	40.22	40.20	1.088	1.087	NO	4.881		0.275	4.881
105	1... PCB-151	3.99e3	1.18	NO	0.787	5.090	40.88	40.87	1.105	1.105	NO	28.98		0.322	28.98
106	1... PCB-135	2.23e3	1.40	NO	0.922	5.090	41.09	41.09	1.111	1.111	NO	13.84		0.274	13.84
107	1... PCB-144	6.14e2	1.67	YES	0.789	5.090	41.20	41.20	1.114	1.114	NO	4.451		0.321	3.740
108	1... PCB-147	4.24e2	1.15	NO	0.834	5.090	41.33	41.33	1.118	1.118	NO	2.908		0.303	2.908
109	1... PCB-139/149	1.32e4	1.20	NO	0.948	5.090	41.62	41.59	1.125	1.125	NO	79.90		0.267	79.90
110	1... PCB-140	3.10e2	1.19	NO	0.794	5.090	41.80	41.80	1.130	1.130	NO	2.230		0.319	2.230
111	1... PCB-134/143	1.64e3	1.17	NO	0.759	5.090	42.28	42.27	0.975	0.975	NO	4.742		0.330	4.742
112	1... PCB-131/133	1.46e3	1.37	NO	0.821	5.090	42.58	42.55	0.982	0.981	NO	3.893		0.305	3.893
113	1... PCB-142			NO	0.754	5.090	42.72		0.985		YES			0.332	
114	1... PCB-146/165	1.08e4	1.28	NO	1.02	5.090	42.97	42.97	0.991	0.991	NO	23.39		0.246	23.39
115	1... PCB-132/161	1.06e4	1.31	NO	1.02	5.090	43.20	43.23	0.996	0.997	NO	22.83		0.244	22.83
116	1... PCB-153	4.20e4	1.25	NO	1.07	5.090	43.38	43.38	1.000	1.000	NO	86.20		0.234	86.20
117	1... PCB-168			NO	1.08	5.090	43.61		1.006		YES			0.232	
118	1... PCB-141	5.78e3	1.22	NO	1.03	5.090	44.14	44.14	1.000	1.000	NO	14.87		0.287	14.87
119	1... PCB-137	1.12e3	1.12	NO	1.11	5.090	44.54	44.54	1.010	1.009	NO	2.657		0.266	2.657
120	1... PCB-130	2.39e3	1.42	NO	0.885	5.090	44.64	44.63	1.012	1.012	NO	7.125		0.333	7.125
121	1... PCB-138/163/164	4.15e4	1.28	NO	1.28	5.090	45.03	45.03	1.001	1.001	NO	81.61		0.226	81.61
122	1... PCB-158/160	3.51e3	1.28	NO	1.24	5.090	45.28	45.26	1.006	1.006	NO	7.149		0.234	7.149
123	1... PCB-129	9.56e2	1.77	YES	0.867	5.090	45.54	45.53	1.012	1.012	NO	2.785		0.335	2.250
124	1... PCB-166			NO	1.14	5.090	46.01		0.993		YES			0.209	
125	1... PCB-159			NO	1.22	5.090	46.34		1.000		YES			0.196	
126	1... PCB-128/162	4.78e3	1.28	NO	0.907	5.090	46.63	46.62	1.007	1.007	NO	10.87		0.263	10.87
127	1... PCB-167	1.40e3	1.42	NO	1.11	5.090	47.04	47.04	1.000	1.000	NO	2.636		0.211	2.636
128	1... PCB-156	3.57e3	1.30	NO	1.13	5.090	48.37	48.37	1.000	1.000	NO	6.789		0.214	6.789
129	1... PCB-157	7.12e2	1.81	YES	1.04	5.090	48.67	48.65	1.001	1.000	NO	1.448		0.238	1.153

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#	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	5.090	50.93		1.000		YES			0.214	
131	1... PCB-188	1.43e2	1.08	NO	1.29	5.090	43.01	42.99	1.001	1.000	NO	0.3223		0.190	0.3223
132	1... PCB-184			NO	1.23	5.090	43.44		1.011		YES			0.199	
133	1... PCB-179	6.54e3	0.98	NO	1.30	5.090	44.26	44.26	1.030	1.030	NO	14.63		0.189	14.63
134	1... PCB-176	1.67e3	0.95	NO	1.31	5.090	44.72	44.75	1.041	1.041	NO	3.702		0.187	3.702
135	1... PCB-186			NO	1.33	5.090	45.35		1.055		YES			0.184	
136	1... PCB-178	2.91e3	1.00	NO	0.943	5.090	45.87	45.88	1.067	1.068	NO	8.968		0.260	8.968
137	1... PCB-175	4.19e2	1.18	NO	0.956	5.090	46.22	46.23	1.076	1.076	NO	1.272		0.256	1.272
138	1... PCB-182/187	1.68e4	1.03	NO	1.07	5.090	46.40	46.40	1.080	1.080	NO	45.68		0.230	45.68
139	1... PCB-183	5.38e3	1.27	YES	1.02	5.090	46.74	46.74	1.088	1.088	NO	15.28		0.240	13.82
140	1... PCB-185	1.02e3	0.83	YES	1.41	5.090	47.42	47.44	0.955	0.955	NO	3.036		0.284	2.679
141	1... PCB-174	9.85e3	0.98	NO	1.35	5.090	47.81	47.80	0.962	0.962	NO	30.36		0.264	30.36
142	1... PCB-181			NO	1.47	5.090	47.90		0.964		YES			0.242	
143	1... PCB-177	6.72e3	1.08	NO	1.28	5.090	48.06	48.08	0.968	0.968	NO	21.95		0.280	21.95
144	1... PCB-171	2.41e3	1.06	NO	1.32	5.090	48.36	48.39	0.974	0.974	NO	7.654		0.271	7.654
145	1... PCB-173	1.44e2	1.66	YES	1.19	5.090	48.80	48.80	0.983	0.982	NO	0.5048		0.300	0.3896
146	1... PCB-172	1.60e3	1.42	YES	1.38	5.090	49.28	49.28	0.992	0.992	NO	4.859		0.260	4.117
147	1... PCB-192			NO	1.83	5.090	49.47		0.996		YES			0.196	
148	1... PCB-180	2.07e4	1.06	NO	1.41	5.090	49.69	49.69	1.000	1.000	NO	61.24		0.253	61.24
149	1... PCB-193	1.69e3	1.04	NO	1.68	5.090	49.90	49.92	1.005	1.005	NO	4.213		0.213	4.213
150	1... PCB-191	5.34e2	1.00	NO	1.71	5.090	50.17	50.17	1.010	1.010	NO	1.304		0.209	1.304
151	1... PCB-170	8.28e3	0.97	NO	1.40	5.090	51.36	51.36	1.000	1.000	NO	27.78		0.287	27.78
152	1... PCB-190	2.59e3	1.16	NO	1.85	5.090	51.55	51.59	1.004	1.005	NO	6.572		0.217	6.572
153	1... PCB-189	3.76e2	1.10	NO	1.45	5.090	53.09	53.08	1.000	1.000	NO	0.8963		0.174	0.8963
154	1... PCB-202	8.85e2	0.83	NO	1.17	5.090	48.61	48.59	1.001	1.000	NO	3.373		0.471	3.373
155	1... PCB-201	6.25e2	0.67	YES	1.05	5.090	49.10	49.09	1.011	1.011	NO	2.542		0.522	2.242
156	1... PCB-204			NO	1.14	5.090	49.25		1.014		YES			0.482	
157	1... PCB-197	2.54e2	1.00	NO	1.13	5.090	49.57	49.60	1.020	1.021	NO	0.9977		0.485	0.9977
158	1... PCB-200	6.33e2	0.75	YES	1.07	5.090	50.50	50.51	1.040	1.040	NO	2.633		0.514	2.392
159	1... PCB-198	1.34e2	0.78	NO	0.794	5.090	52.08	52.06	1.072	1.072	NO	0.7533		0.693	0.7533
160	1... PCB-199	3.97e3	1.08	YES	0.809	5.090	52.18	52.17	1.074	1.074	NO	21.61		0.679	19.84
161	1... PCB-196/203	4.14e3	0.94	NO	0.838	5.090	52.50	52.50	1.081	1.081	NO	21.99		0.656	21.99
162	1... PCB-195	1.70e3	1.01	NO	1.04	5.090	53.78	53.78	0.984	0.983	NO	5.830		0.356	5.830

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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	4.15e3	0.92	NO	1.12	5.090	54.70	54.70	1.000	1.000	NO	13.33		0.333	13.33
164	1... PCB-205	1.65e2	0.93	NO	1.29	5.090	54.97	54.97	1.005	1.005	NO	0.4599		0.288	0.4599
165	1... PCB-208	1.04e3	1.47	NO	0.933	5.090	53.94	53.94	1.000	1.000	NO	2.852		0.225	2.852
166	1... PCB-207	4.18e2	1.35	NO	0.916	5.090	54.26	54.26	1.006	1.006	NO	1.170		0.229	1.170
167	1... PCB-206	2.32e3	1.24	NO	1.01	5.090	56.22	56.22	1.000	1.000	NO	8.459		0.292	8.459
168	1... PCB-209	3.21e3	1.37	YES	0.986	5.090	57.45	57.47	1.000	1.000	NO	11.41		0.181	10.44
169	1... 13C-PCB-1	1.00e6	3.17	NO	0.893	5.090	15.51	15.52	0.608	0.608	NO	1334	67.9	1.27	
170	1... 13C-PCB-3	1.16e6	3.23	NO	0.911	5.090	18.16	18.16	0.712	0.712	NO	1518	77.3	1.24	
171	1... 13C-PCB-4	7.03e5	1.58	NO	0.600	5.090	19.51	19.51	0.765	0.765	NO	1394	71.0	0.754	
172	1... 13C-PCB-9	1.20e6	1.55	NO	0.970	5.090	21.34	21.34	0.836	0.836	NO	1477	75.2	0.466	
173	1... 13C-PCB-11	1.34e6	1.55	NO	0.962	5.090	24.78	24.79	0.971	0.972	NO	1659	84.4	0.470	
174	1... 13C-PCB-19	7.47e5	1.05	NO	0.499	5.090	23.75	23.75	0.931	0.931	NO	1782	90.7	9.09	
175	1... 13C-PCB-32	1.18e6	1.05	NO	0.744	5.090	26.73	26.74	1.048	1.048	NO	1886	96.0	6.10	
176	1... 13C-PCB-28	1.37e6	1.02	NO	1.06	5.090	28.75	28.75	1.004	1.004	NO	1877	95.5	5.94	
177	1... 13C-PCB-37	1.31e6	1.01	NO	0.989	5.090	32.73	32.81	1.143	1.146	NO	1941	98.8	6.39	
178	1... 13C-PCB-54	1.05e6	0.79	NO	0.999	5.090	27.62	27.60	0.753	0.752	NO	1693	86.2	1.73	
179	1... 13C-PCB-52	9.32e5	0.78	NO	0.804	5.090	31.26	31.25	0.852	0.852	NO	1872	95.3	2.15	
180	1... 13C-PCB-47	1.01e6	0.79	NO	0.857	5.090	31.78	31.78	0.866	0.867	NO	1902	96.8	2.01	
181	1... 13C-PCB-70	1.20e6	0.79	NO	0.996	5.090	35.41	35.40	0.965	0.965	NO	1951	99.3	1.73	
182	1... 13C-PCB-80	1.23e6	0.79	NO	1.03	5.090	35.84	35.82	0.977	0.977	NO	1937	98.6	1.68	
183	1... 13C-PCB-81	1.20e6	0.78	NO	0.988	5.090	39.04	39.02	1.064	1.064	NO	1956	99.6	1.75	
184	1... 13C-PCB-77	1.16e6	0.79	NO	0.969	5.090	39.66	39.64	1.081	1.081	NO	1938	98.7	1.78	
185	1... 13C-PCB-104	7.28e5	1.64	NO	1.02	5.090	32.44	32.49	0.827	0.828	NO	1947	99.1	0.867	
186	1... 13C-PCB-95	5.59e5	1.63	NO	0.805	5.090	35.69	35.71	0.910	0.910	NO	1887	96.1	1.09	
187	1... 13C-PCB-101	5.57e5	1.72	NO	0.793	5.090	37.44	37.44	0.954	0.954	NO	1913	97.4	1.11	
188	1... 13C-PCB-97	4.96e5	1.65	NO	0.696	5.090	38.78	38.78	0.989	0.989	NO	1938	98.7	1.27	
189	1... 13C-PCB-123	6.76e5	1.63	NO	0.933	5.090	41.42	41.44	1.056	1.056	NO	1971	100	0.945	
190	1... 13C-PCB-118	7.06e5	1.59	NO	0.986	5.090	41.61	41.63	1.061	1.061	NO	1947	99.1	0.894	
191	1... 13C-PCB-114	9.51e5	1.53	NO	1.55	5.090	42.29	42.30	0.908	0.908	NO	1788	91.0	0.936	
192	1... 13C-PCB-105	9.69e5	1.51	NO	1.57	5.090	43.17	43.19	0.927	0.927	NO	1791	91.2	0.921	
193	1... 13C-PCB-127	1.01e6	1.54	NO	1.62	5.090	43.53	43.54	0.934	0.935	NO	1810	92.2	0.891	
194	1... 13C-PCB-126	9.35e5	1.56	NO	1.57	5.090	45.49	45.51	0.976	0.977	NO	1734	88.3	0.923	
195	1... 13C-PCB-155	3.44e5	1.30	NO	0.615	5.090	36.96	36.98	0.942	0.943	NO	1521	77.4	0.545	



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	# 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	8.95e5	1.27	NO	1.36	5.090	43.34	43.37	0.930	0.931	NO	1906	97.0	1.19	
197	1... 13C-PCB-141	7.44e5	1.29	NO	1.13	5.090	44.11	44.12	0.947	0.947	NO	1918	97.6	1.44	
198	1... 13C-PCB-138	7.78e5	1.26	NO	1.18	5.090	44.97	44.99	0.965	0.966	NO	1909	97.2	1.37	
199	1... 13C-PCB-159	9.51e5	1.29	NO	1.44	5.090	46.30	46.32	0.994	0.994	NO	1922	97.9	1.12	
200	2... 13C-PCB-167	9.40e5	1.26	NO	1.44	5.090	47.01	47.02	1.009	1.009	NO	1899	96.7	1.12	
201	2... 13C-PCB-156	9.19e5	1.28	NO	1.40	5.090	48.32	48.35	1.037	1.038	NO	1913	97.4	1.16	
202	2... 13C-PCB-157	9.30e5	1.28	NO	1.40	5.090	48.61	48.63	1.043	1.044	NO	1936	98.6	1.16	
203	2... 13C-PCB-169	9.33e5	1.25	NO	1.33	5.090	50.89	50.91	1.092	1.093	NO	2039	104	1.22	
204	2... 13C-PCB-188	6.76e5	0.46	NO	1.41	5.090	42.98	42.97	0.926	0.926	NO	1935	98.5	0.840	
205	2... 13C-PCB-180	4.71e5	0.46	NO	0.929	5.090	49.67	49.67	1.070	1.070	NO	2045	104	1.27	
206	2... 13C-PCB-170	4.18e5	0.46	NO	0.794	5.090	51.35	51.34	1.106	1.106	NO	2122	108	1.49	
207	2... 13C-PCB-189	5.67e5	0.45	NO	1.04	5.090	53.09	53.06	1.144	1.143	NO	2191	112	1.13	
208	2... 13C-PCB-202	4.41e5	0.92	NO	1.04	5.090	48.57	48.58	1.046	1.047	NO	1719	87.5	0.637	
209	2... 13C-PCB-194	5.48e5	0.89	NO	0.768	5.090	54.71	54.69	0.995	0.995	NO	1984	101	1.64	
210	2... 13C-PCB-208	7.67e5	0.79	NO	0.991	5.090	53.93	53.93	0.981	0.981	NO	2151	110	2.66	
211	2... 13C-PCB-206	5.34e5	0.78	NO	0.552	5.090	56.22	56.21	1.023	1.023	NO	2689	137	4.77	
212	2... 13C-PCB-209	5.61e5	1.18	NO	0.396	5.090	57.48	57.45	1.046	1.045	NO	3935	200	0.605	
213	2... 13C-PCB-15	1.65e6	1.54	NO	1.00	5.090	25.51	25.51	1.000	0.000	NO	1964	100	0.452	
214	2... 13C-PCB-31	1.34e6	1.00	NO	1.00	5.090	28.64	28.64	1.000	0.000	NO	1964	100	6.32	
215	2... 13C-PCB-60	1.22e6	0.78	NO	1.00	5.090	36.66	36.68	1.000	0.000	NO	1964	100	1.73	
216	2... 13C-PCB-111	7.22e5	1.69	NO	1.00	5.090	39.23	39.23	1.000	0.000	NO	1964	100	0.881	
217	2... 13C-PCB-128	6.75e5	1.28	NO	1.00	5.090	46.59	46.59	1.000	0.000	NO	1964	100	1.62	
218	2... 13C-PCB-182	4.87e5	0.44	NO	1.00	5.090	46.40	46.42	0.000	0.000	NO	1964	100	1.18	
219	2... 13C-PCB-205	7.06e5	0.89	NO	1.00	5.090	54.97	54.97	1.000	0.000	NO	1964	100	1.26	
220	2... 13C-PCB-79	1.31e6	0.78	NO	1.07	5.090	37.78	37.78	1.030	1.030	NO	1973	100	1.62	
221	2... 13C-PCB-178	4.68e5	0.47	NO	0.766	5.090	45.86	45.87	0.988	0.988	NO	1775	90.4	1.16	
222	2... 13C-PCB-79	1.31e6	0.78	NO	1.08	5.090	37.76	37.78	0.968	0.968	NO	1982	101	1.68	
223	2... 13C-PCB-178	4.68e5	0.47	NO	1.05	5.090	45.85	45.87	0.923	0.923	NO	1858	94.6	1.19	
224	2... Total Mono-PCBs				1.17	5.090	0.00		0.000		NO	4.864		0.769	4.864
225	2... Total Di-PCBs				1.05	5.090	0.00		0.000		NO	24.27		8.53	24.27
226	2... 2nd Function Tri-PCBs				1.08	5.090	0.00		0.000		NO	57.93		3.61	57.93
227	2... 3rd Function Tri-PCBs				0.983	5.090	0.00		0.000		NO	67.68	>125.61 -	9.49	74.28 >132.21 -
228	2... Total Tetra-PCBs				1.08	5.090	0.00		0.000		NO	364.4		8.78	366.7

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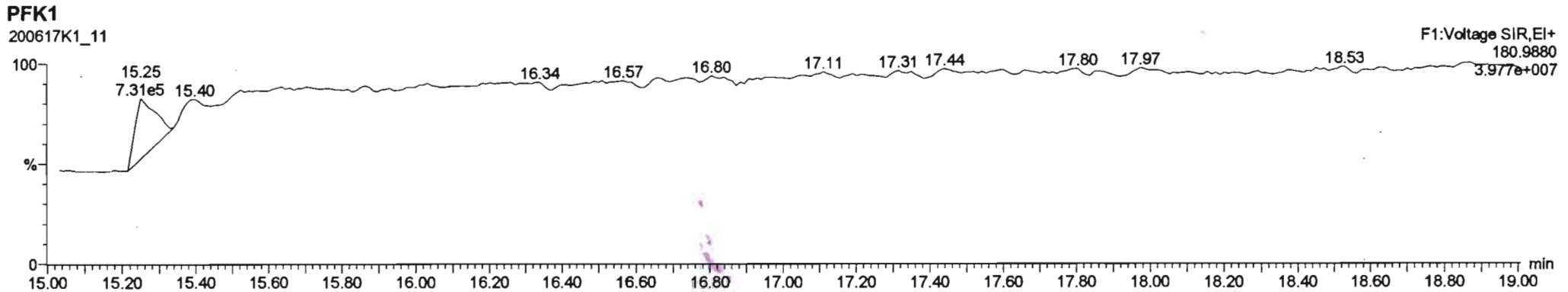
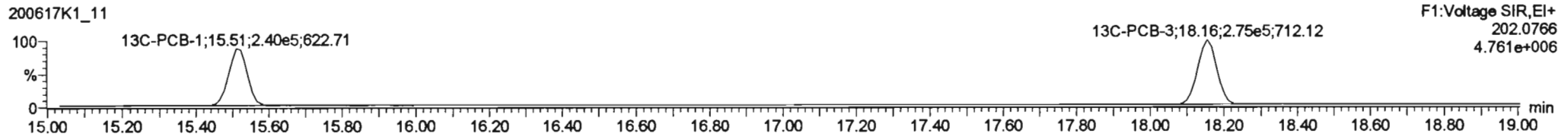
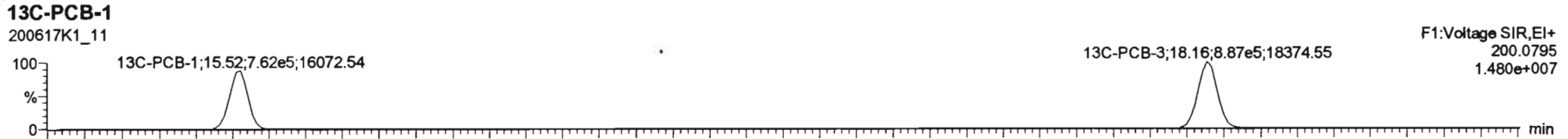
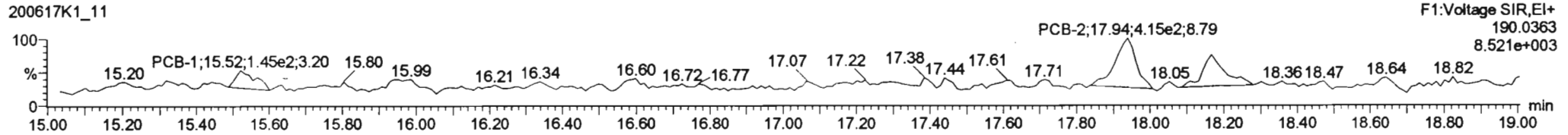
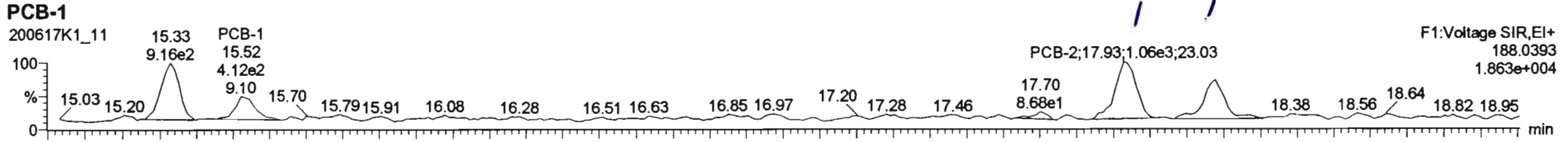
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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
229	2... 3rd Function Penta-PCBs				1.32	5.090	0.00		0.000		NO	402.4	> 418.98 -	11.8	407.4
230	2... 4th Function Penta-PCBs				1.07	5.090	0.00		0.000		NO	16.58		2.01	16.58
231	2... 3rd Function Hexa-PCBs				0.951	5.090	0.00		0.000		NO	148.1	> 422.9 -	3.53	153.0
232	2... 4th Function Hexa-PCBs				1.03	5.090	0.00		0.000		NO	274.8		5.14	278.2
233	2... Total Hepta-PCBs				1.36	5.090	0.00		0.000		NO	236.5		5.36	257.6
234	2... 4th Function Octa-PCBs				1.00	5.090	0.00		0.000		NO	27.11	> 46.74 -	4.50	51.58
235	2... 5th Function Octa-PCBs				1.15	5.090	0.00		0.000		NO	19.63		0.976	19.63
236	2... Total Nona-PCBs				0.952	5.090	0.00		0.000		NO	12.48		0.746	12.48
237	2... Deca-CB				0.986	5.090	0.00		0.000		NO	0.0000		0.181	10.44
238	2... Total PCBs														

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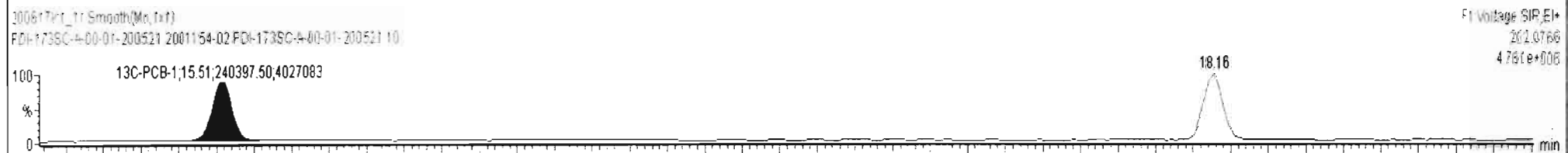
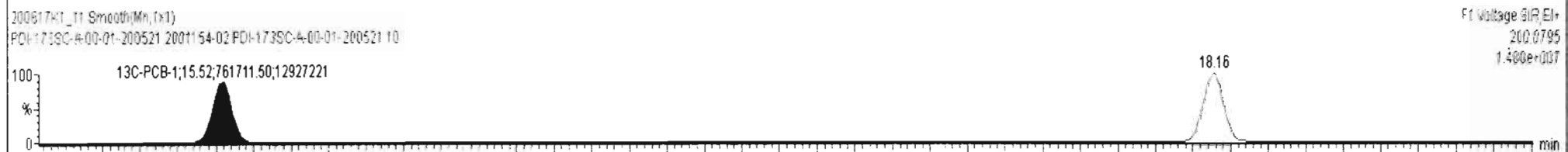
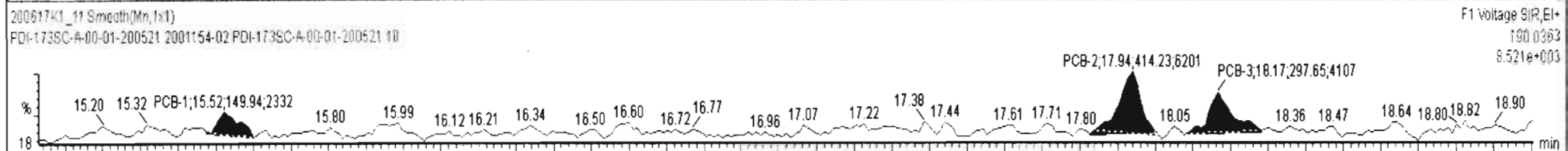
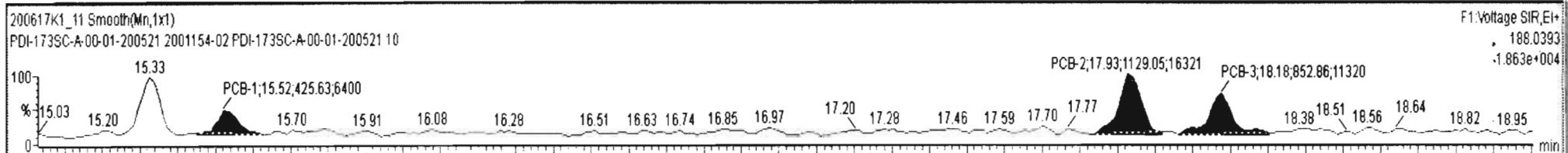
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200617K1\_11 - 2001154-02 PDI-1735C-A-00-01-200521 10 - PDI-1735C-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.1865	5.090	0.00		0.000		NO	4.864		0.769	4.864

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-1	15.53	15.52	4.256e2	1.499e2	3.130	2.84	NO	0.96578	0.96578
2	PCB-2	17.94	17.93	1.129e3	4.142e2	3.130	2.73	NO	2.2051	2.2051
3	PCB-3	18.17	18.16	8.529e2	2.977e2	3.130	2.87	NO	1.6933	1.6933

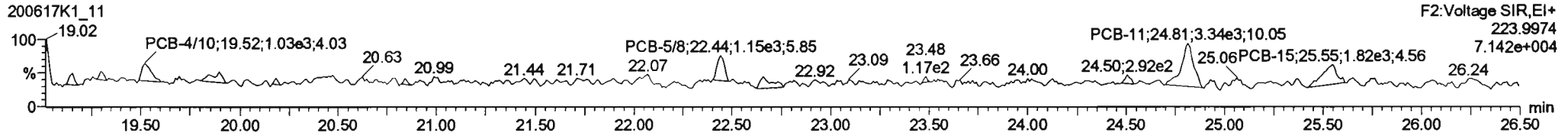
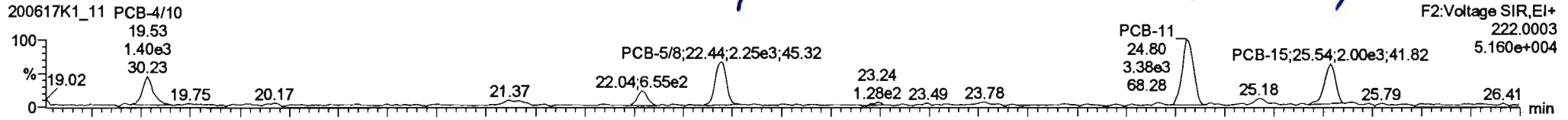


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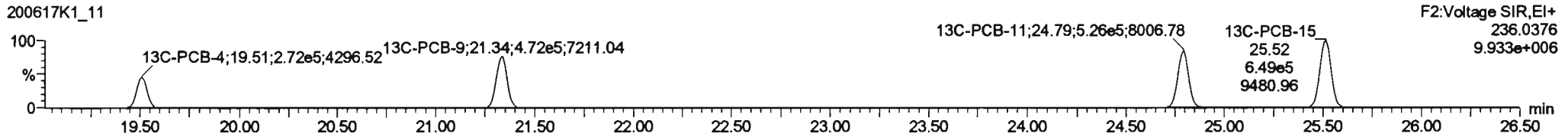
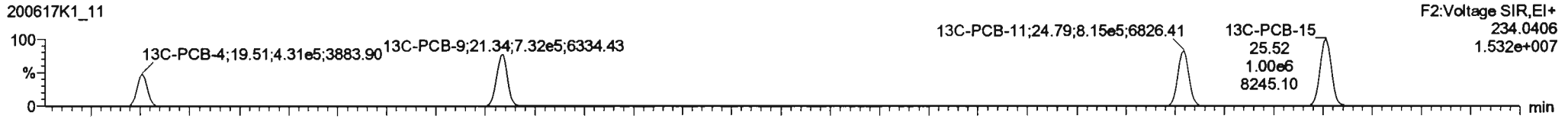
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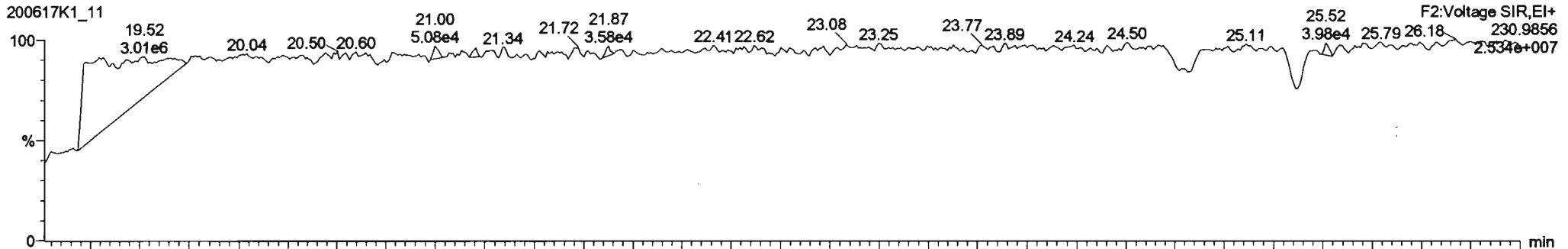
**PCB-4/10**



**13C-PCB-4**

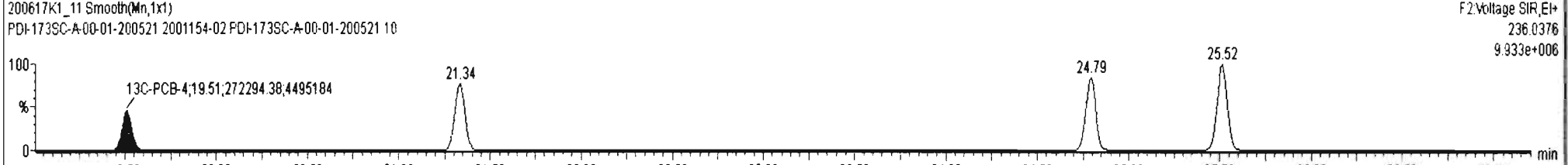
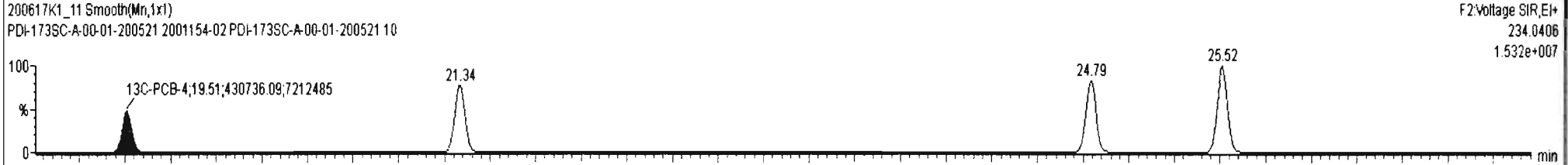
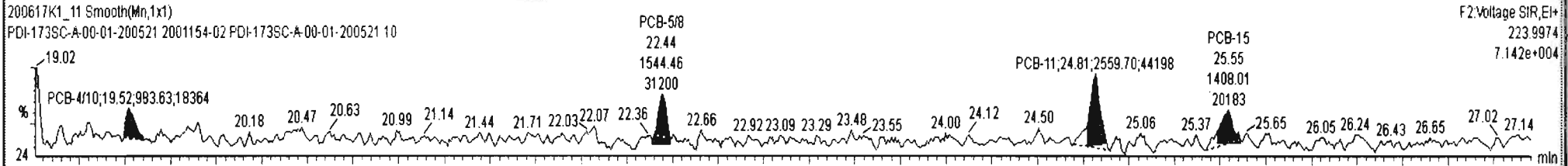
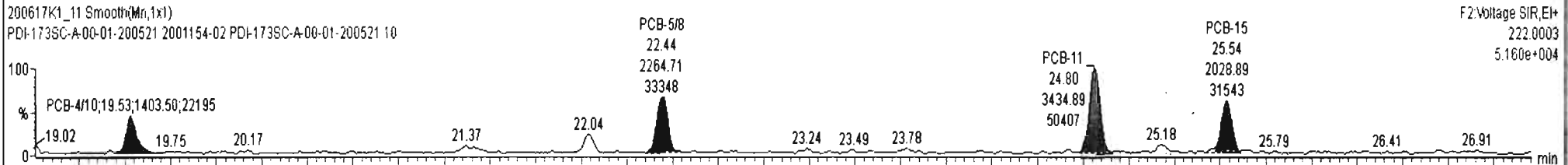


**PFK2a**



#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
225	Total Di-PCBs				1.0537	5.090	0.00		0.000		NO	24.27		8.53	24.27
226	2nd Function Tri-PCBs				1.0607	5.090	0.00		0.000		NO	57.77		3.61	57.77
227	3rd Function Tri-PCBs				0.9826	5.090	0.00		0.000		NO	57.43		9.49	72.18

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	PCB-4/10	19.59	19.53	1.403e3	9.836e2	1.560	1.43	NO	5.3445	5.3445
2	PCB-5/8	22.45	22.44	2.265e3	1.544e3	1.560	1.47	NO	6.2631	6.2631
3	PCB-11	24.81	24.80	3.435e3	2.560e3	1.560	1.34	NO	7.7991	7.7991
4	PCB-15	25.56	25.54	2.029e3	1.408e3	1.560	1.44	NO	4.8671	4.8671



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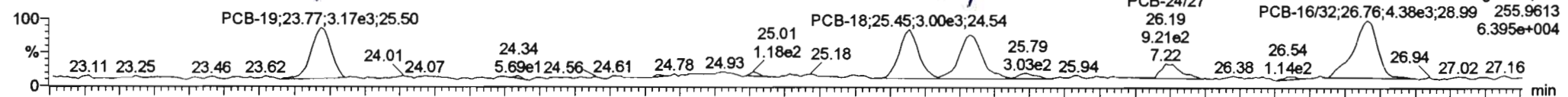
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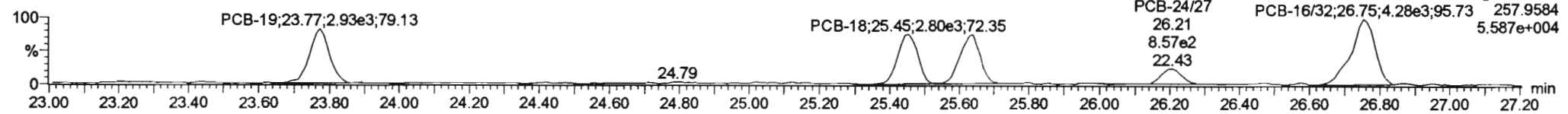
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**PCB-19**

200617K1\_11

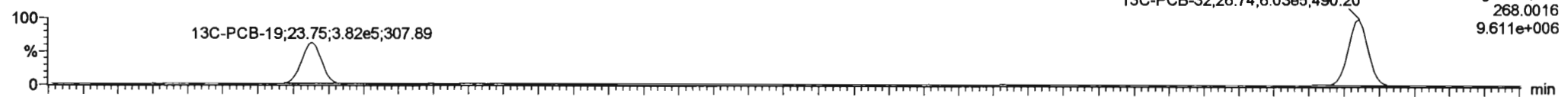


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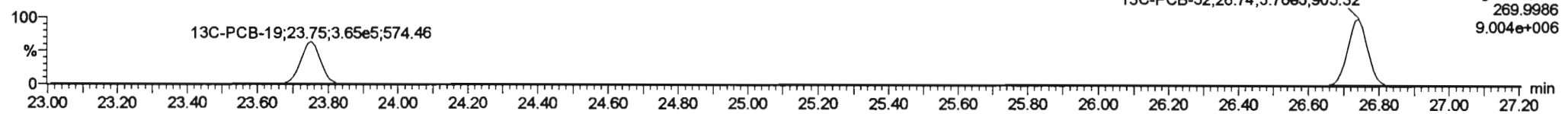


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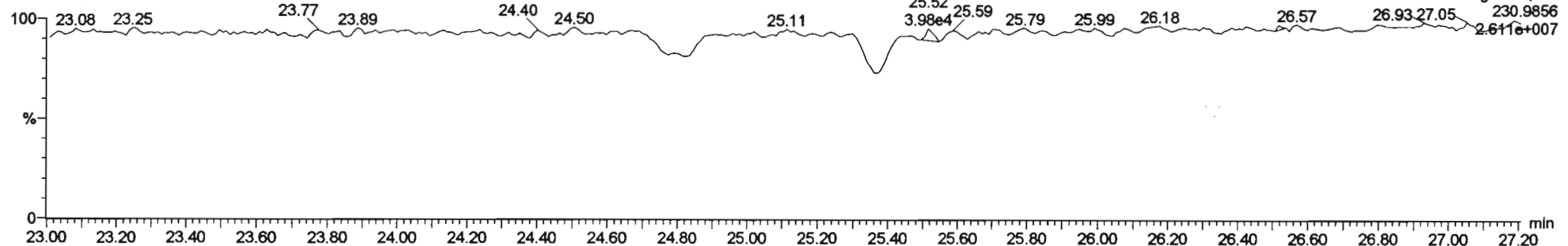


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**PFK2b**

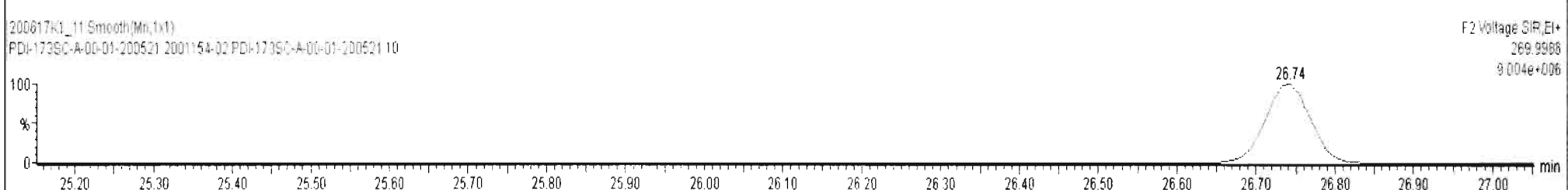
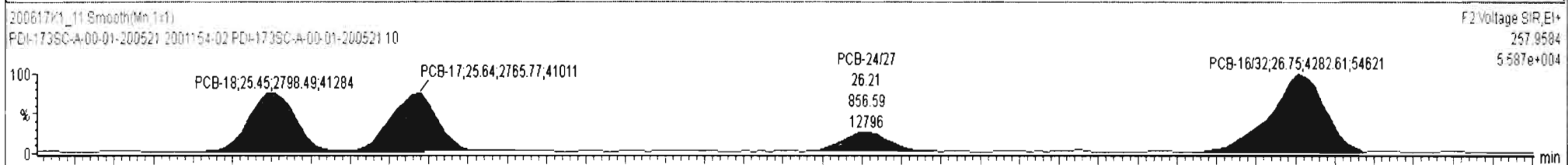
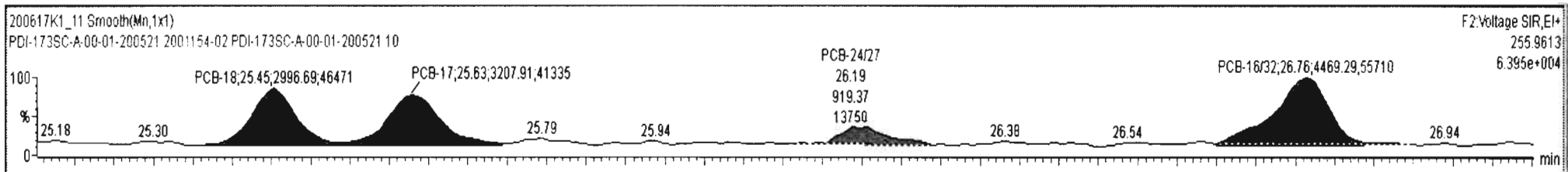
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200617K1\_11 - 2001154-02 PDI-1735C-A-00-01-200521 10 - PDI-1735C-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	2nd Function Tri-PCBs				1.0607	5.090	0.00		0.000		NO	57.93		3.61	57.93
227	3rd Function Tri-PCBs				0.9828	5.090	0.00		0.000		NO	57.43		9.49	72.18
228	Total Tetra-PCBs				1.0778	5.090	0.00		0.000		NO	359.9		8.78	366.8

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	12 PCB-19	23.78	23.77	3.175e3	2.934e3	1.040	1.08	NO	14.516	14.516
2	14 PCB-18	25.45	25.45	2.997e3	2.798e3	1.040	1.07	NO	11.806	11.806
3	15 PCB-17	25.63	25.63	3.208e3	2.766e3	1.040	1.16	NO	13.122	13.122
4	16 PCB-24/27	26.24	26.19	9.194e2	8.566e2	1.040	1.07	NO	2.7341	2.7341
5	17 PCB-16/32	26.76	26.76	4.469e3	4.283e3	1.040	1.04	NO	15.754	15.754



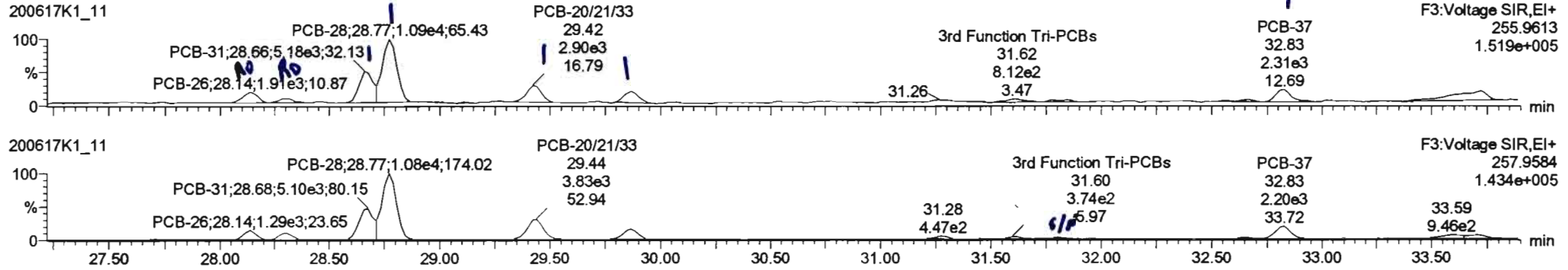


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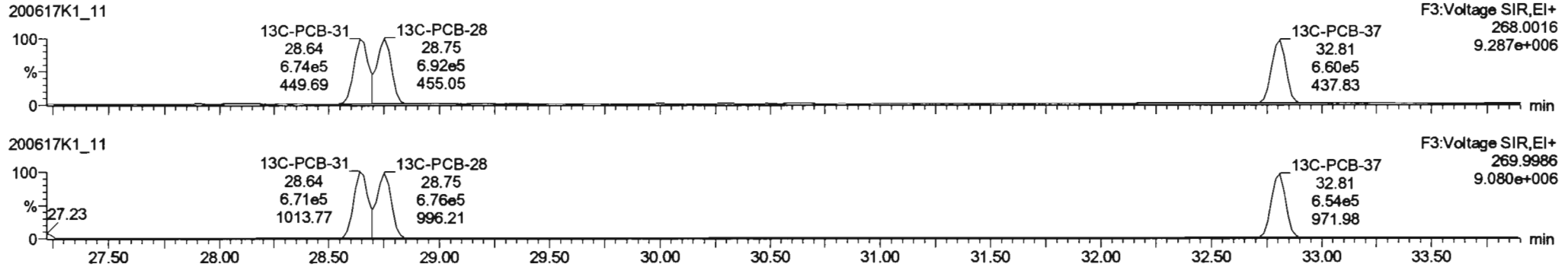
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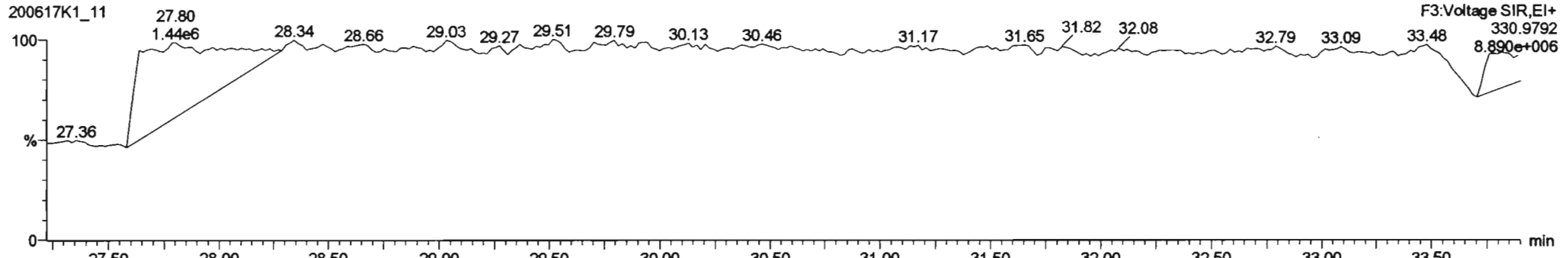
**PCB-34**



**13C-PCB-28**



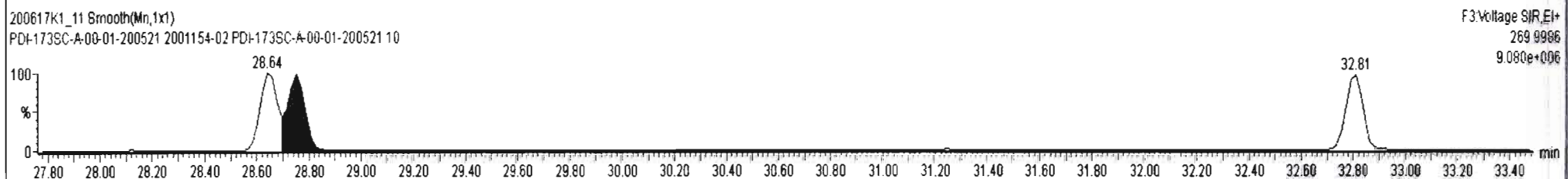
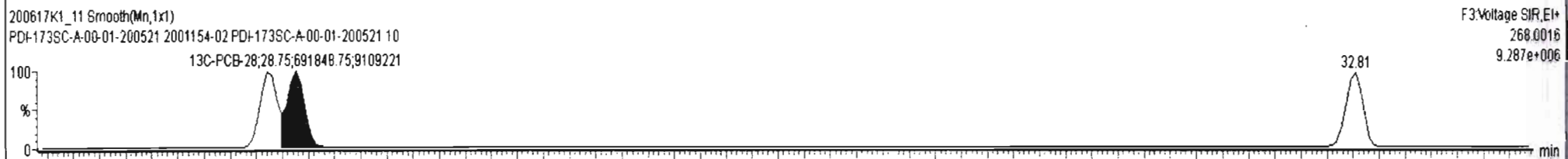
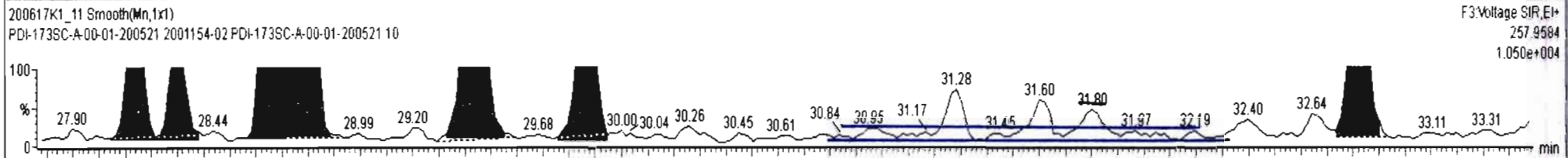
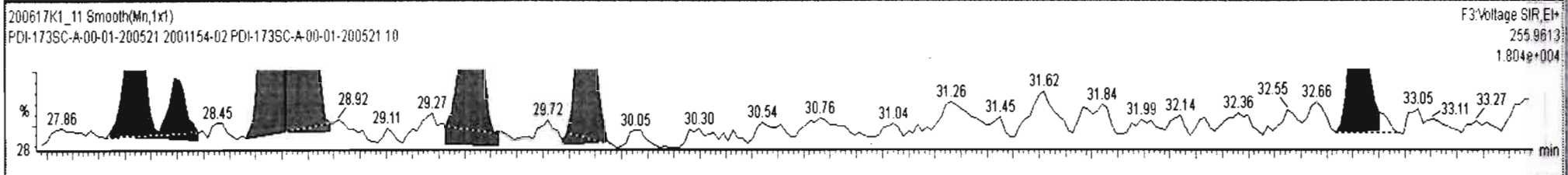
**PFK3d**



200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	3rd Function Tri-PCBs				0.9826	5.090	0.00		0.000		NO	67.68		9.49	74.28
228	Total Tetra-PCBs				1.0778	5.090	0.00		0.000		NO	359.9		8.78	366.8

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	21 PCB-26	26.14	26.14	1.916e3	1.333e3	1.040	1.44	YES	4.1395	0.00000
2	22 PCB-25	26.29	26.29	8.312e2	1.013e3	1.040	0.82	YES	2.4658	0.00000
3	23 PCB-31	26.66	26.66	5.181e3	5.104e3	1.040	1.02	NO	14.256	14.256
4	24 PCB-28	26.77	26.77	1.101e4	1.077e4	1.040	1.02	NO	30.513	30.513
5	25 PCB-20/21/33	29.41	29.42	3.396e3	3.745e3	1.040	0.91	NO	10.896	10.896
6	26 PCB-22	29.85	29.87	2.035e3	1.775e3	1.040	1.15	NO	5.6252	5.6252
7	31 PCB-37	32.83	32.83	2.142e3	2.169e3	1.040	0.99	NO	6.3841	6.3841

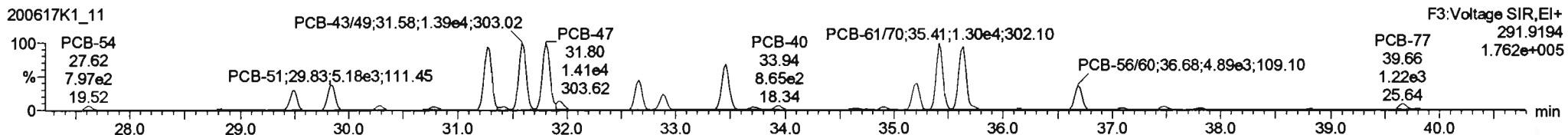
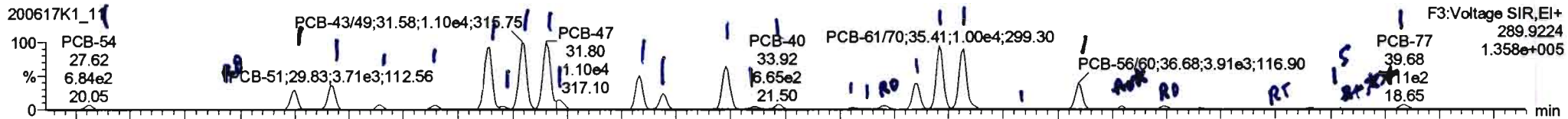


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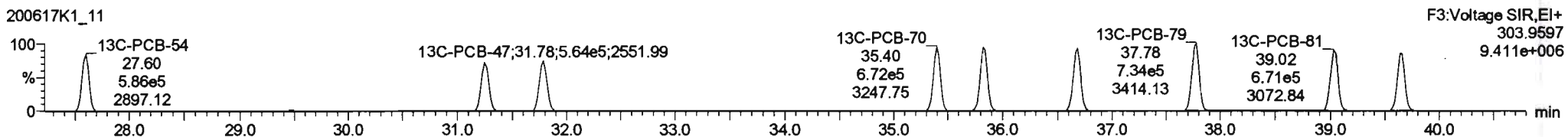
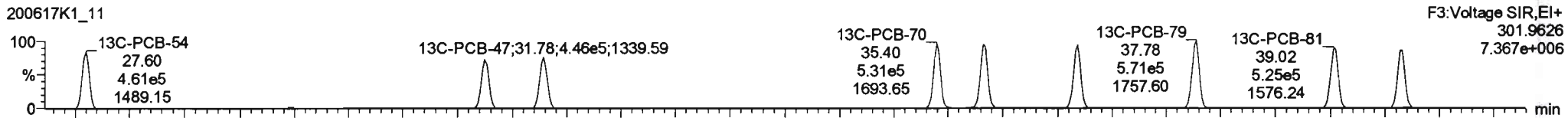
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 Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

Name: 200617K1\_11, Date: 17-Jun-2020, Time: 23:26:05, ID: 2001154-02 PDI-173SC-A-00-01-200521 10, Description: PDI-173SC-A-00-01-200521

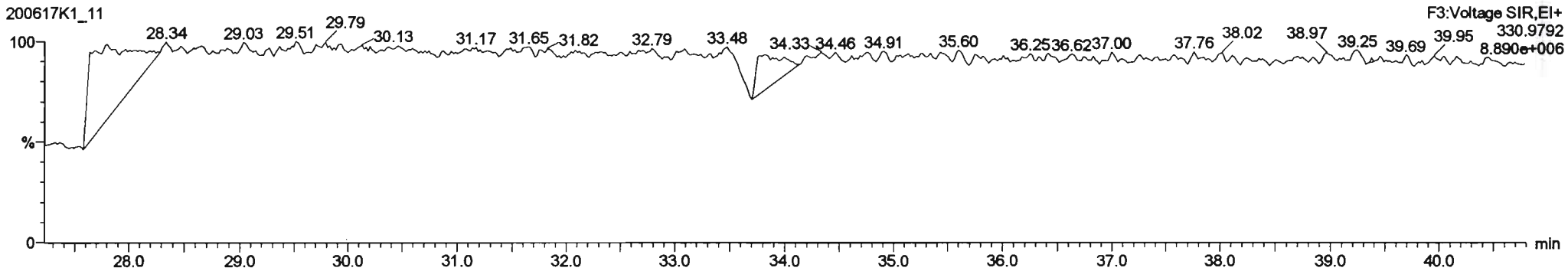
**PCB-54**



**13C-PCB-54**



**PFK3a**



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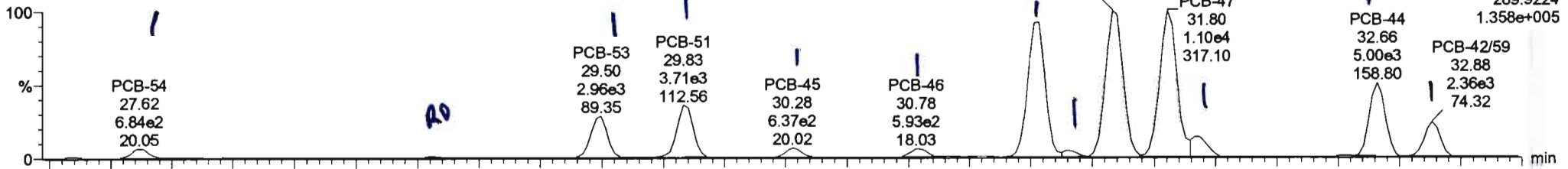
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

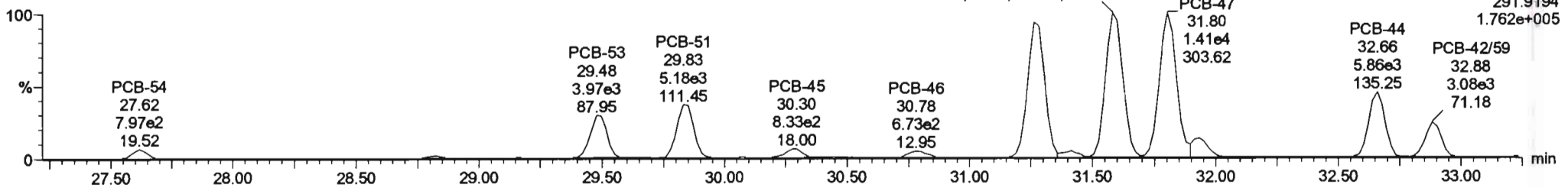
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PCB-50

200617K1\_11

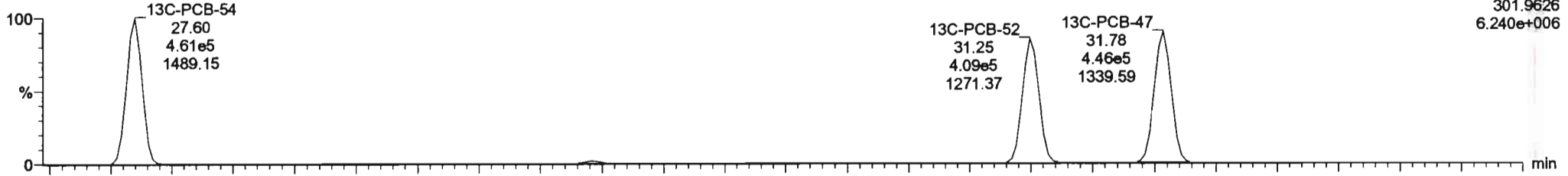


200617K1\_11

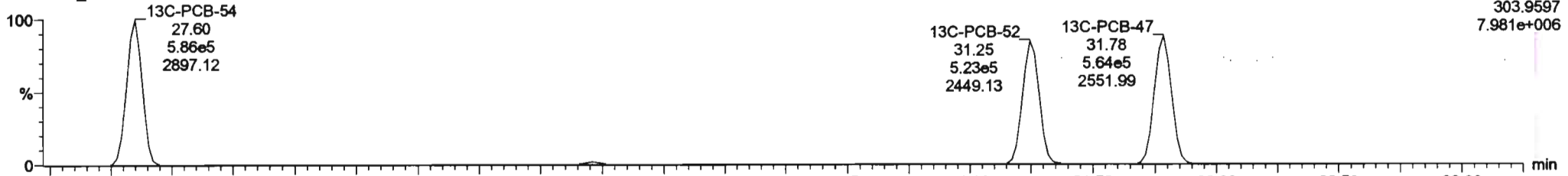


13C-PCB-52

200617K1\_11



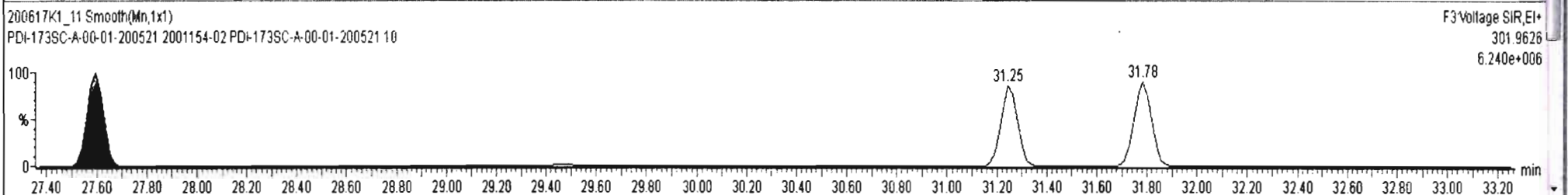
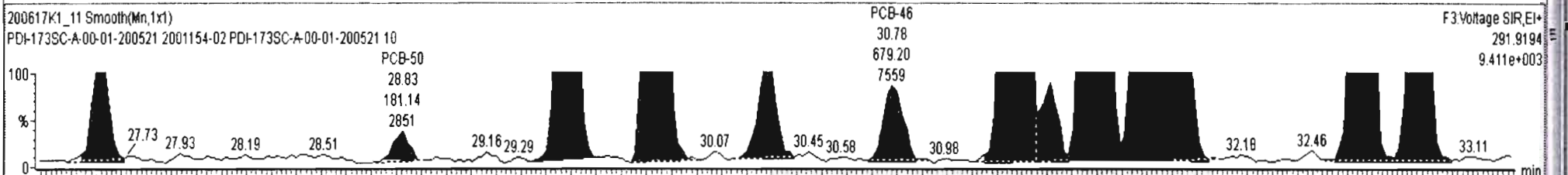
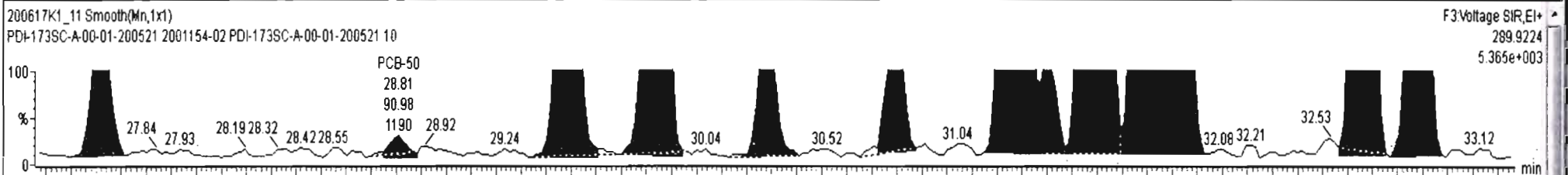
200617K1\_11



200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-200521

#	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	5.090	0.00		0.000		NO	361.6		8.78	367.5
229	3rd Function Penta-PCBs				1.3157	5.090	0.00		0.000		NO	400.51		11.8	412.9

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.62	27.62	6.844e2	8.083e2	0.770	0.85	NO	2.5931	2.5931
2	33 PCB-50	28.81	28.81	9.098e1	1.811e2	0.770	0.50	YES	0.44602	0.00000
3	34 PCB-53	29.50	29.50	2.967e3	3.967e3	0.770	0.75	NO	14.666	14.666
4	35 PCB-51	29.84	29.83	3.734e3	5.178e3	0.770	0.72	NO	17.639	17.639
5	36 PCB-45	30.29	30.28	6.299e2	8.510e2	0.770	0.74	NO	3.6371	3.6371
6	37 PCB-46	30.78	30.78	5.752e2	6.792e2	0.770	0.85	NO	3.1836	3.1836
7	38 PCB-52/69	31.26	31.26	1.014e4	1.311e4	0.770	0.77	NO	42.017	42.017
8	39 PCB-73	31.39	31.39	3.500e2	5.084e2	0.770	0.89	NO	1.2542	1.2542
9	40 PCB-43/49	31.57	31.58	1.097e4	1.395e4	0.770	0.79	NO	51.695	51.695
10	41 PCB-47	31.80	31.80	1.103e4	1.408e4	0.770	0.78	NO	53.016	53.016
11	42 PCB-48/75	31.92	31.92	1.385e3	1.678e3	0.770	0.83	NO	5.3233	5.3233
12	45 PCB-44	32.64	32.66	5.049e3	5.885e3	0.770	0.86	NO	25.827	25.827
13	46 PCB-42/59	32.87	32.88	2.364e3	3.107e3	0.770	0.76	NO	10.146	10.146



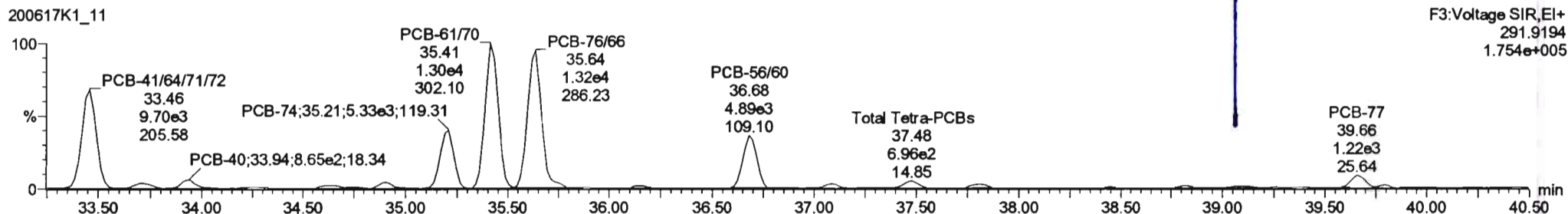
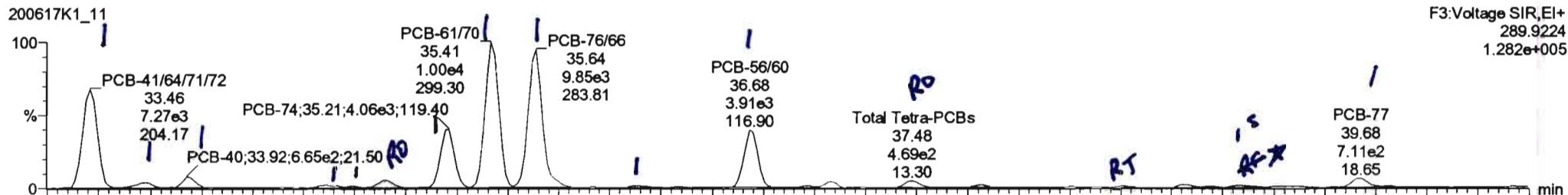
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 Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

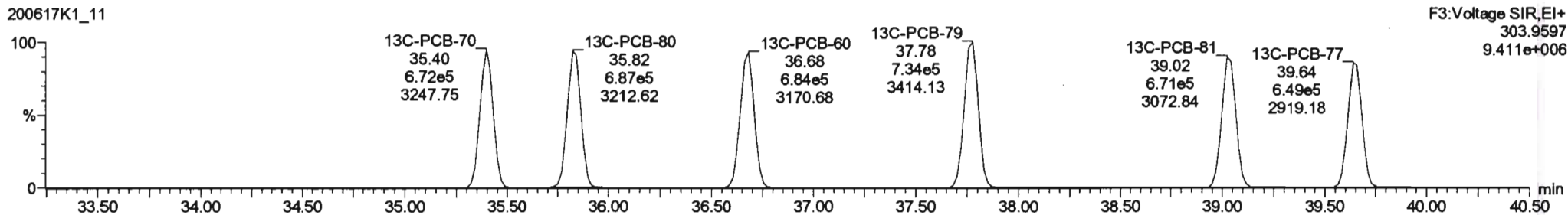
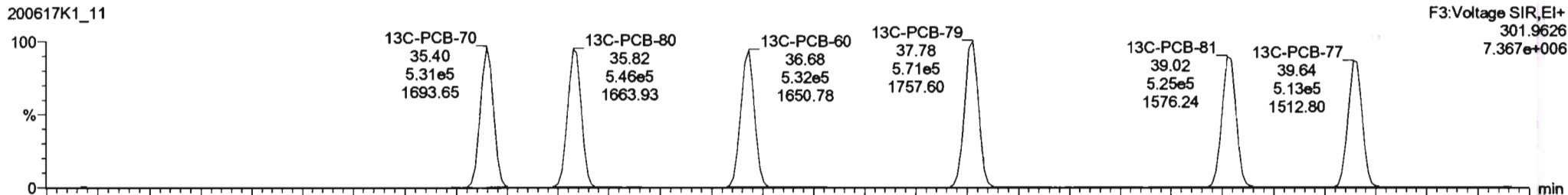
*\* by 06-26-2020*

Name: 200617K1\_11, Date: 17-Jun-2020, Time: 23:26:05, ID: 2001154-02 PDI-173SC-A-00-01-200521 10, Description: PDI-173SC-A-00-01-200521

**PCB-68**



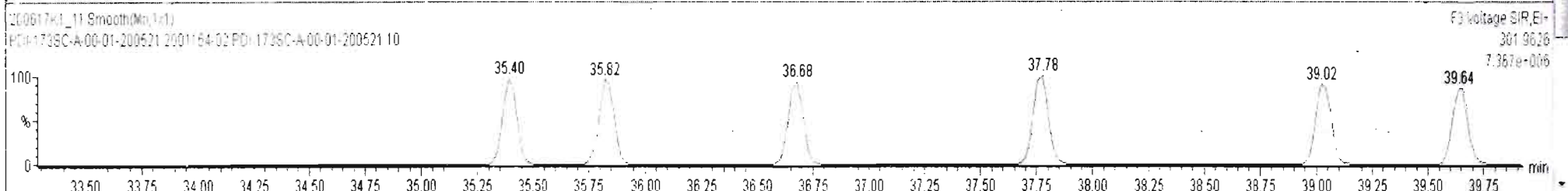
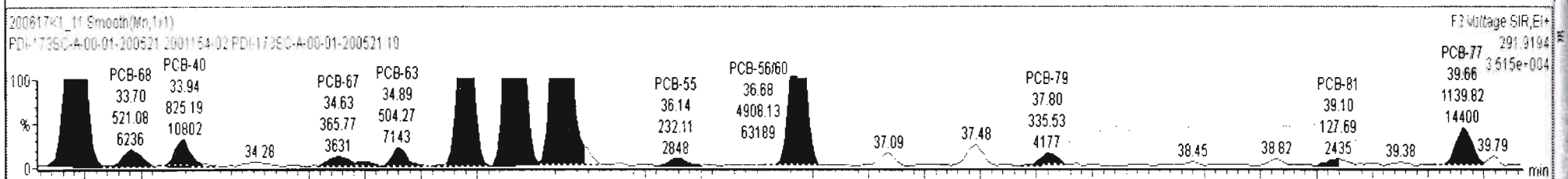
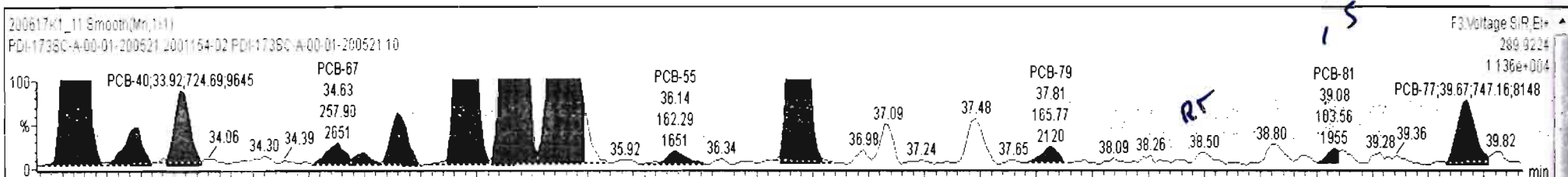
**13C-PCB-60**



200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-200521

#	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	5.090	0.00		0.000		NO	364.4		8.78	366.7

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
14	47 PCB-41,64,71,72	33.47	33.46	7.266e3	9.701e3	0.770	0.75	NO	27.817	27.817
15	48 PCB-68	33.72	33.74	4.539e2	5.211e2	0.770	0.87	NO	1.4853	1.4853
16	49 PCB-40	33.95	33.92	7.247e2	8.252e2	0.770	0.88	NO	5.0115	5.0115
17	51 PCB-67	34.62	34.63	2.579e2	3.658e2	0.770	0.71	NO	0.93980	0.93980
18	52 PCB-58	34.74	34.74	1.033e2	1.358e2	0.770	0.76	NO	0.32433	0.32433
19	53 PCB-63	34.90	34.89	5.330e2	5.043e2	0.770	1.06	YES	1.3603	0.00000
20	54 PCB-74	35.20	35.21	4.036e3	5.296e3	0.770	0.76	NO	12.854	12.854
21	55 PCB-61,70	35.41	35.41	1.001e4	1.304e4	0.770	0.77	NO	35.715	35.715
22	56 PCB-76,66	35.60	35.64	9.585e3	1.299e4	0.770	0.74	NO	31.667	31.667
23	58 PCB-55	36.16	36.14	1.623e2	2.321e2	0.770	0.70	NO	0.53759	0.53759
24	59 PCB-56,60	36.68	36.68	3.942e3	4.908e3	0.770	0.80	NO	13.853	13.853
25	60 PCB-79	37.78	37.81	1.658e2	3.355e2	0.770	0.49	YES	0.53335	0.00000
26	62 PCB-81	39.04	39.08	1.036e2	1.277e2	0.770	0.81	NO	0.36300	0.36300
27	63 PCB-77	39.66	39.67	7.472e2	1.140e3	0.770	0.66	NO	2.8053	2.8053

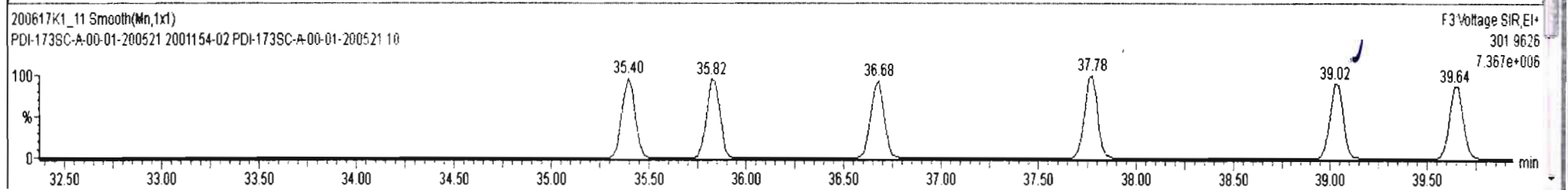
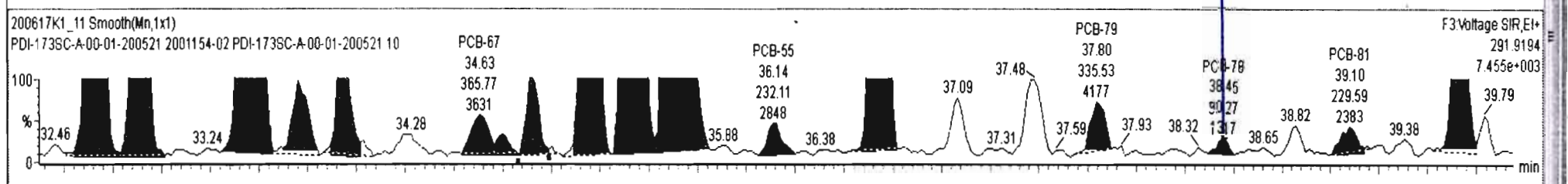
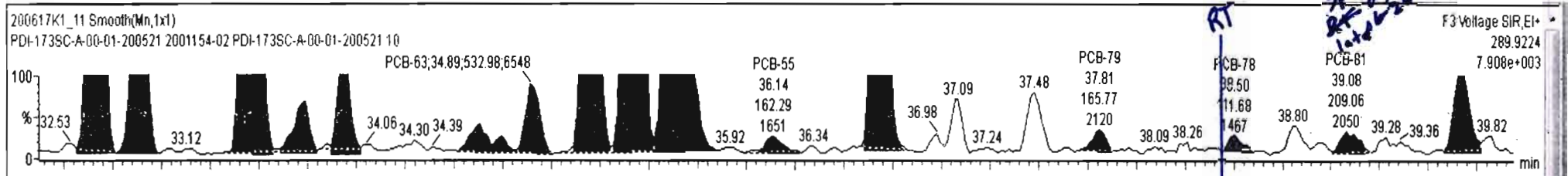


#	Name	Resp	RA	nly	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.090	0.00		0.000		NO	364.7		8.78	368.0

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
14	47 PCB-41,64,71,72	33.47	33.46	7.266e3	9.701e3	0.770	0.75	NO	27.817	27.817
15	48 PCB-68	33.72	33.74	4.539e2	5.211e2	0.770	0.87	NO	1.4853	1.4853
16	49 PCB-40	33.95	33.92	7.247e2	8.252e2	0.770	0.88	NO	5.0115	5.0115
17	51 PCB-67	34.62	34.63	2.579e2	3.658e2	0.770	0.71	NO	0.93980	0.93980
18	52 PCB-58	34.74	34.74	1.033e2	1.358e2	0.770	0.76	NO	0.32433	0.32433
19	53 PCB-63	34.90	34.89	5.330e2	5.043e2	0.770	1.06	YES	1.3603	0.00000
20	54 PCB-74	35.20	35.21	4.036e3	5.296e3	0.770	0.76	NO	12.864	12.864
21	55 PCB-61,70	35.41	35.41	1.001e4	1.304e4	0.770	0.77	NO	35.715	35.715
22	56 PCB-76,66	35.60	35.64	9.853e3	1.324e4	0.770	0.74	NO	32.397	32.397
23	58 PCB-55	36.16	36.14	1.623e2	2.321e2	0.770	0.70	NO	0.53759	0.53759
24	59 PCB-56,60	36.68	36.68	3.942e3	4.908e3	0.770	0.80	NO	13.853	13.853
25	60 PCB-79	37.78	37.81	1.658e2	3.355e2	0.770	0.49	YES	0.53335	0.00000
26	61 PCB-78	38.50	38.50	1.117e2	9.027e1	0.770	1.24	YES	0.23093	0.00000
27	62 PCB-81	39.04	39.08	2.091e2	2.296e2	0.770	0.91	YES	0.63787	0.00000
28	63 PCB-77	39.66	39.68	7.472e2	1.140e3	0.770	0.66	NO	2.8053	2.8053

- 0.04 1.0%

split RT by total PCBs

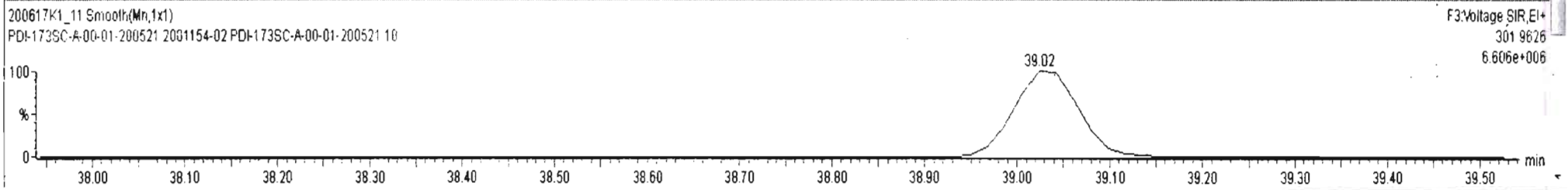
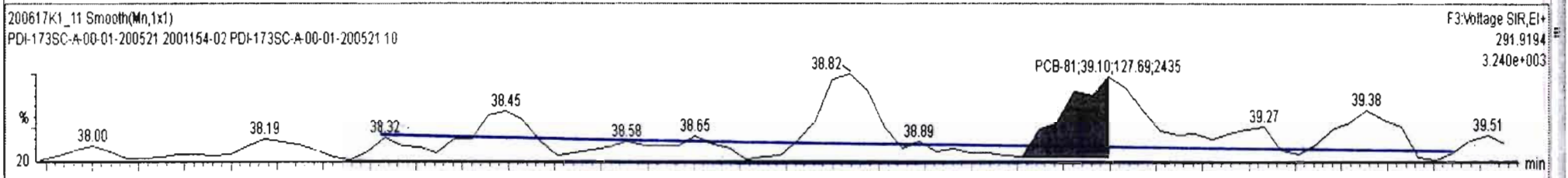
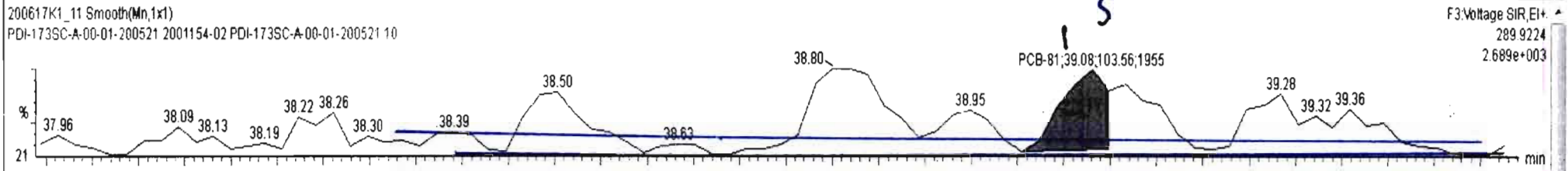




200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.090	0.00		0.000		NO	364.4		8.78	366.7

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
14	47 PCB-41/64/71/72	33.47	33.46	7.266e3	9.701e3	0.770	0.75	NO	27.817	27.817
15	48 PCB-68	33.72	33.74	4.539e2	5.211e2	0.770	0.87	NO	1.4853	1.4853
16	49 PCB-40	33.95	33.92	7.247e2	8.252e2	0.770	0.88	NO	5.0115	5.0115
17	51 PCB-67	34.62	34.63	2.579e2	3.658e2	0.770	0.71	NO	0.93980	0.93980
18	52 PCB-58	34.74	34.74	1.033e2	1.358e2	0.770	0.76	NO	0.32433	0.32433
19	53 PCB-63	34.90	34.89	5.330e2	5.043e2	0.770	1.06	YES	1.3603	0.00000
20	54 PCB-74	35.20	35.21	4.036e3	5.296e3	0.770	0.76	NO	12.864	12.864
21	55 PCB-61/70	35.41	35.41	1.001e4	1.304e4	0.770	0.77	NO	35.715	35.715
22	56 PCB-76/66	35.60	35.64	9.585e3	1.299e4	0.770	0.74	NO	31.667	31.667
23	58 PCB-55	36.16	36.14	1.623e2	2.321e2	0.770	0.70	NO	0.53759	0.53759
24	59 PCB-56/60	36.68	36.68	3.942e3	4.908e3	0.770	0.80	NO	13.853	13.853
25	60 PCB-79	37.78	37.81	1.658e2	3.355e2	0.770	0.49	YES	0.53335	0.00000
26	62 PCB-81	39.04	39.08	1.036e2	1.277e2	0.770	0.81	NO	0.36300	0.36300
27	63 PCB-77	39.66	39.67	7.472e2	1.140e3	0.770	0.66	NO	2.8053	2.8053



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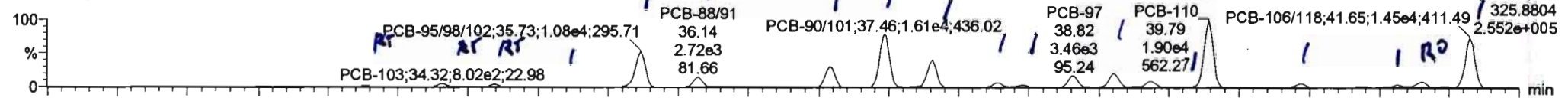
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

*dy 06-25-2020*

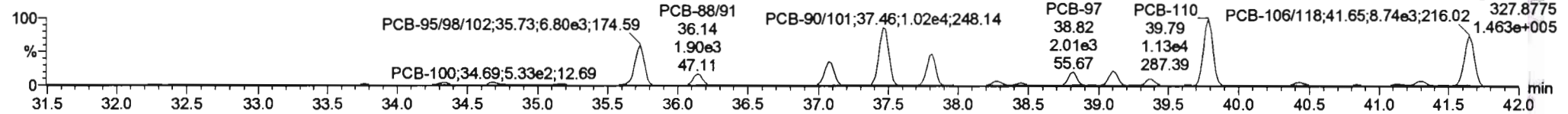
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**PCB-104**

200617K1\_11

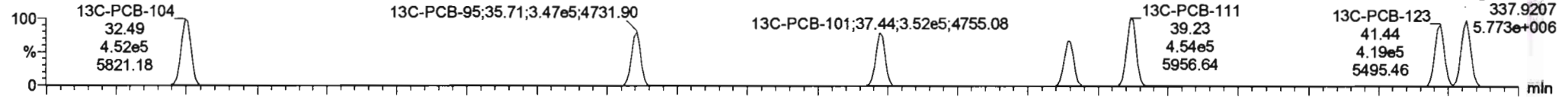


200617K1\_11

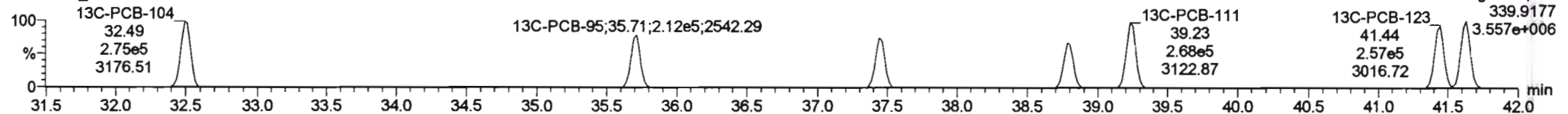


**13C-PCB-104**

200617K1\_11

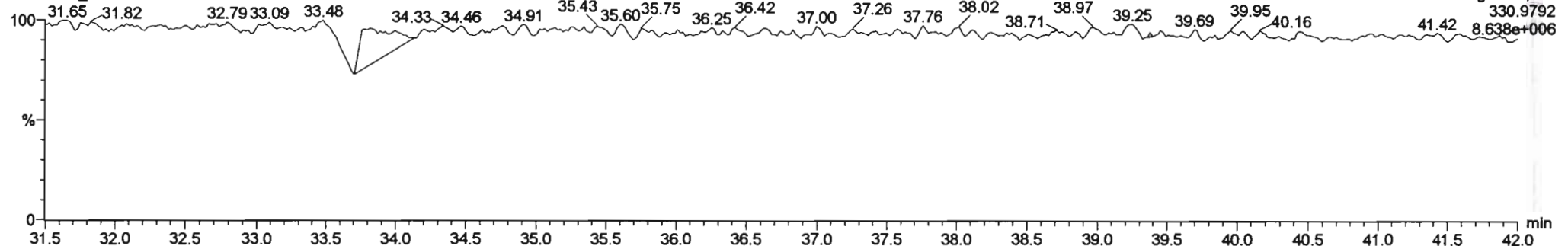


200617K1\_11



**PFK3b**

200617K1\_11



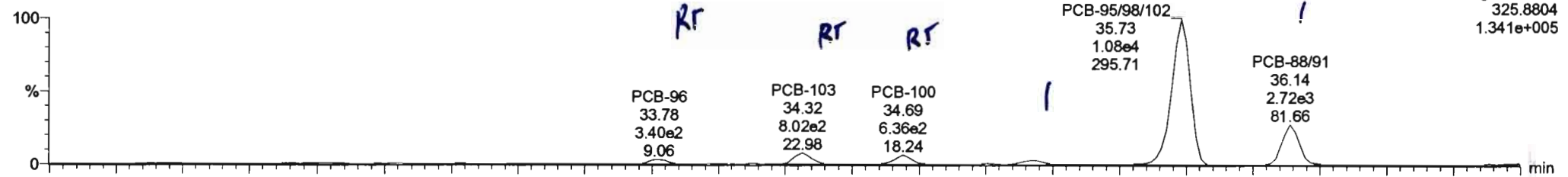
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Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

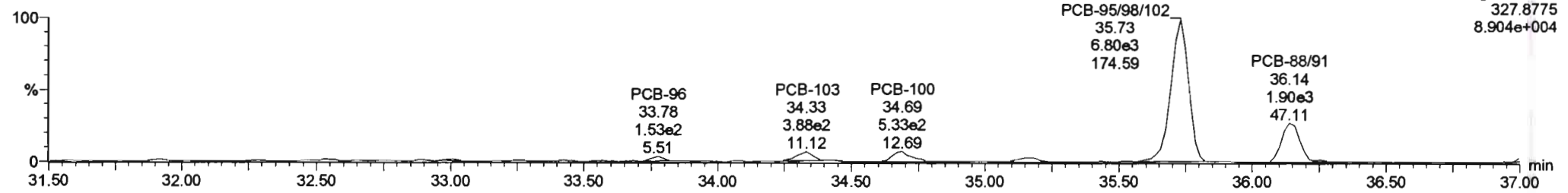
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**PCB-96**

200617K1\_11

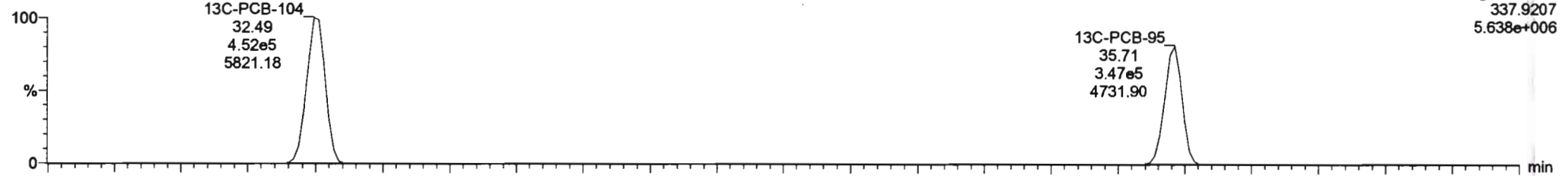


200617K1\_11

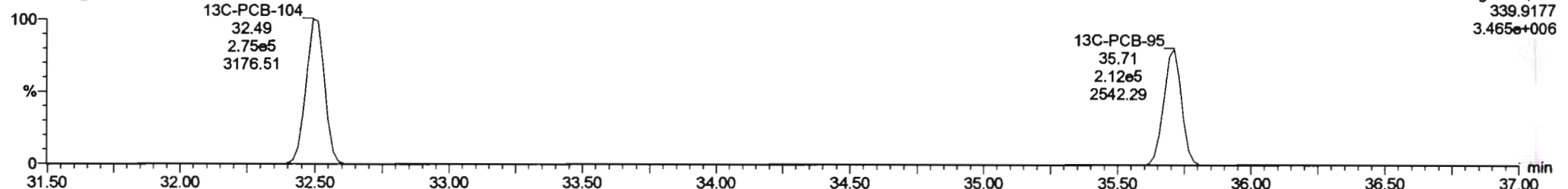


**13C-PCB-95**

200617K1\_11



200617K1\_11

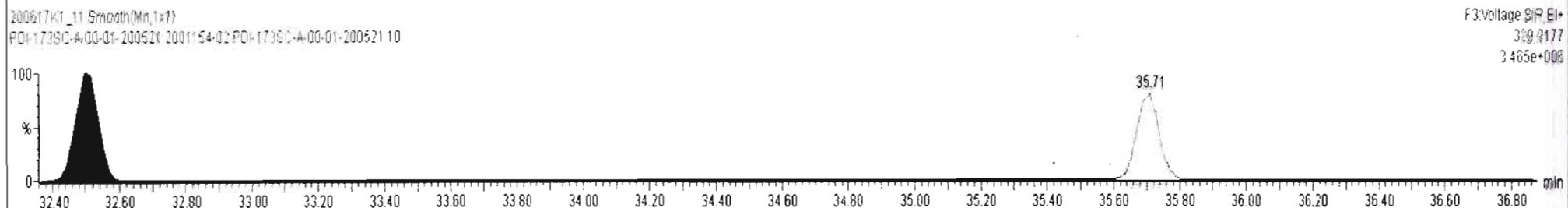
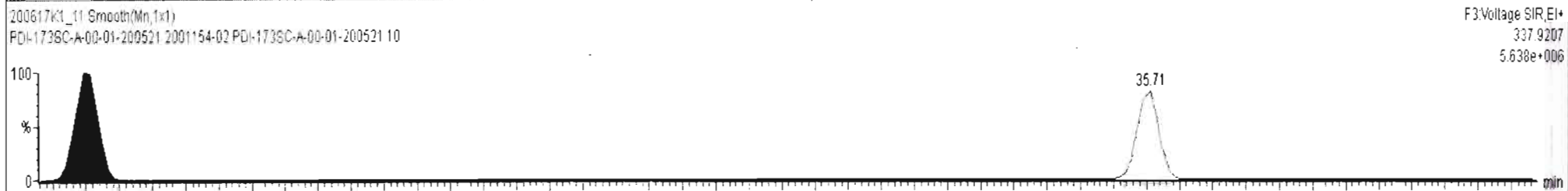
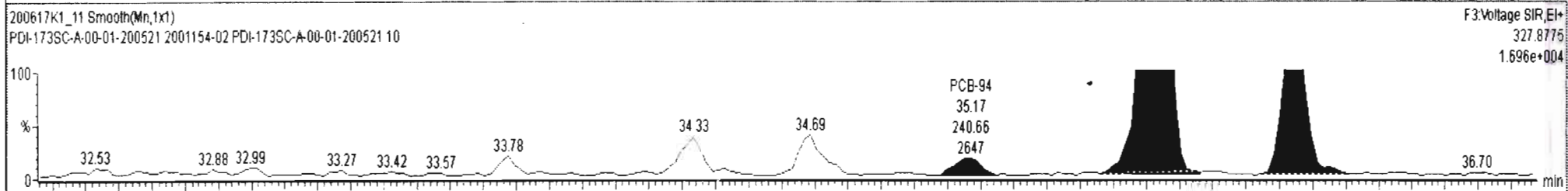
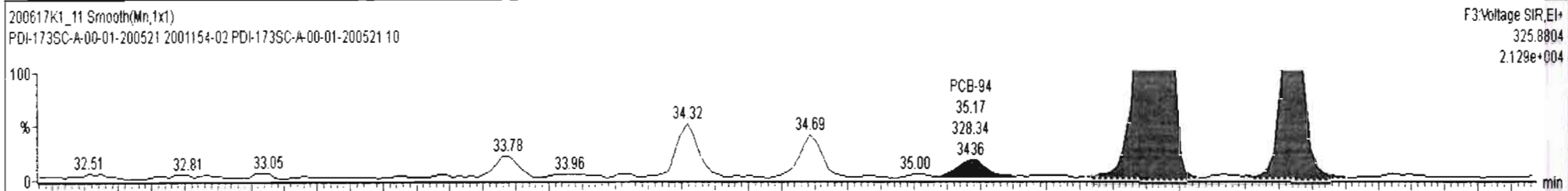


200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-200521

#	Name	Resp	RA	nly	RFF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.3157	5.090	0.00		0.000		NO	402.4		11.8	407.4

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	68 PCB-94	35.19	35.17	3.283e2	2.407e2	1.560	1.36	NO	2.1081	2.1081
2	69 PCB-95/98/102	35.67	35.73	1.083e4	6.843e3	1.560	1.58	NO	51.567	51.567
3	71 PCB-88/91	36.14	36.14	2.720e3	1.914e3	1.560	1.42	NO	15.297	15.297

*sz early ~*

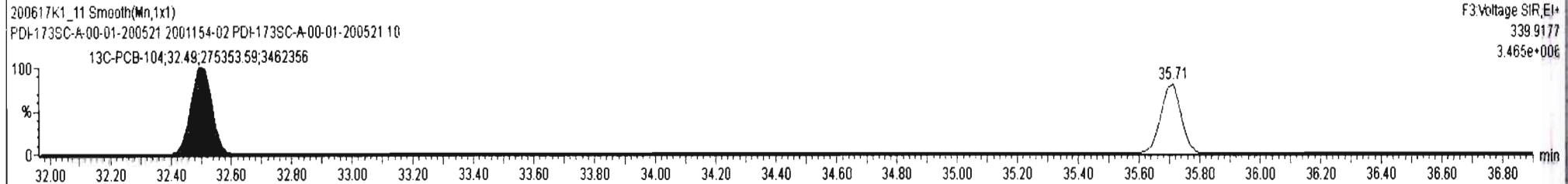
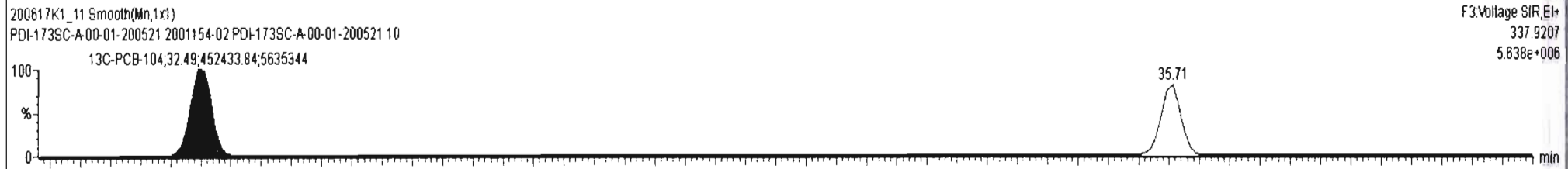
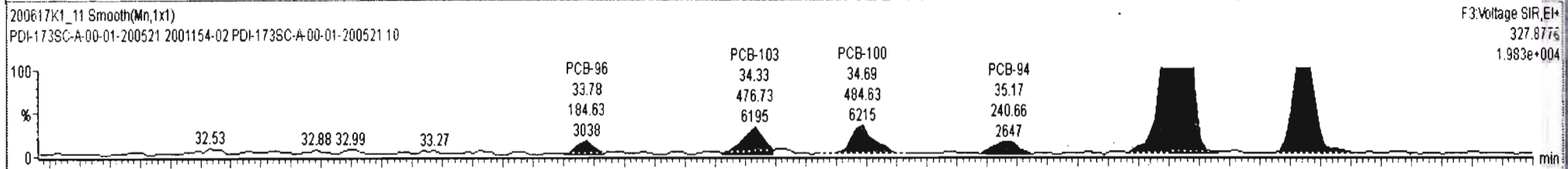
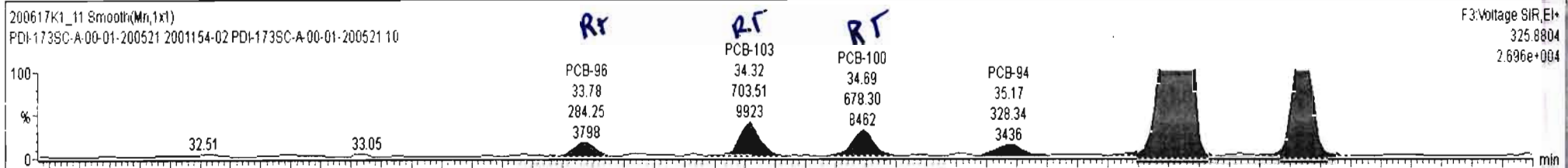


200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				1.0778	5.090	0.00		0.000		NO	364.8		8.78	367.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	65 PCB-96	33.83	33.78	2.842e2	1.846e2	1.560	1.54	NO	1.0969	1.0969
2	66 PCB-103	34.40	34.32	7.035e2	4.767e2	1.560	1.48	NO	3.4018	3.4018
3	67 PCB-100	34.75	34.69	6.783e2	4.846e2	1.560	1.40	NO	3.2919	3.2919
4	68 PCB-94	35.19	35.17	3.283e2	2.407e2	1.560	1.36	NO	2.1081	2.1081
5	69 PCB-95/98/102	35.67	35.73	1.083e4	6.843e3	1.560	1.58	NO	51.567	51.567
6	71 PCB-88/91	36.14	36.14	2.720e3	1.914e3	1.560	1.42	NO	15.297	15.297

*.05 early  
.08 early  
.05 early*

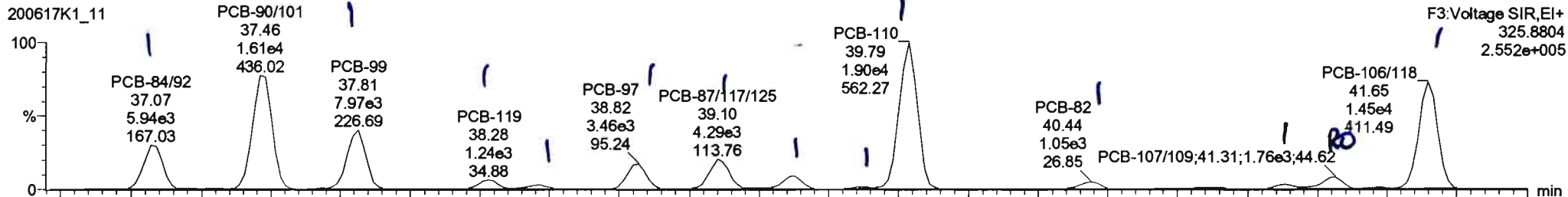


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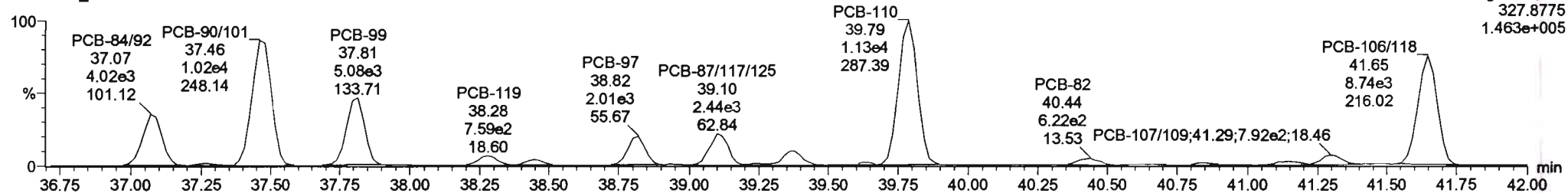
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Name: 200617K1\_11, Date: 17-Jun-2020, Time: 23:26:05, ID: 2001154-02 PDI-173SC-A-00-01-200521 10, Description: PDI-173SC-A-00-01-200521

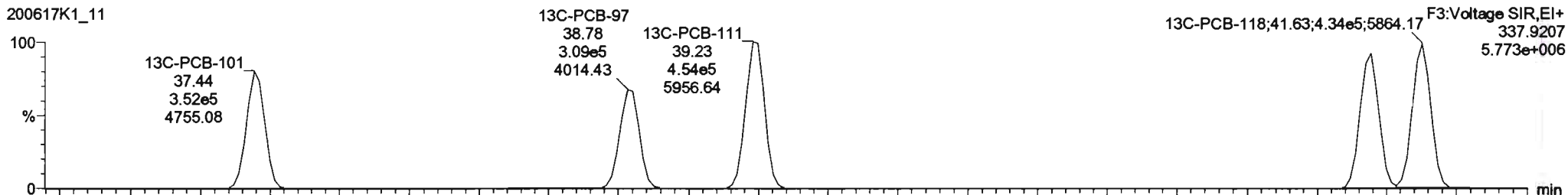
PCB-119



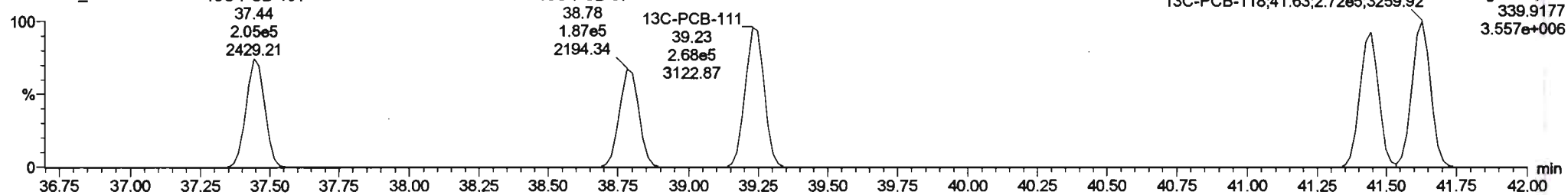
200617K1\_11



13C-PCB-111



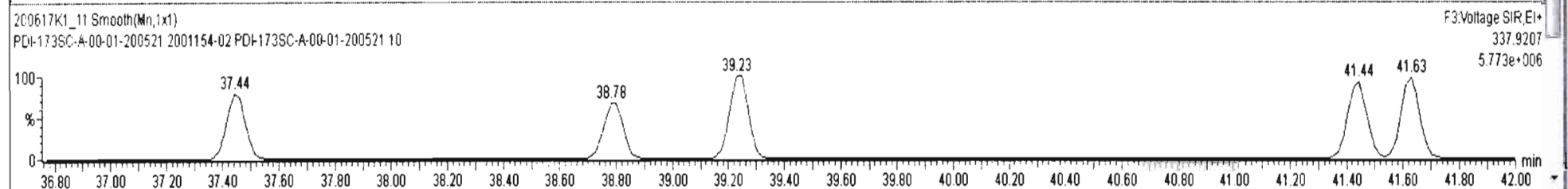
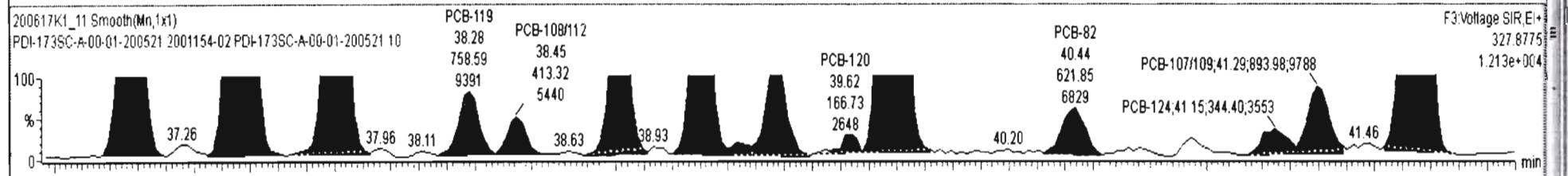
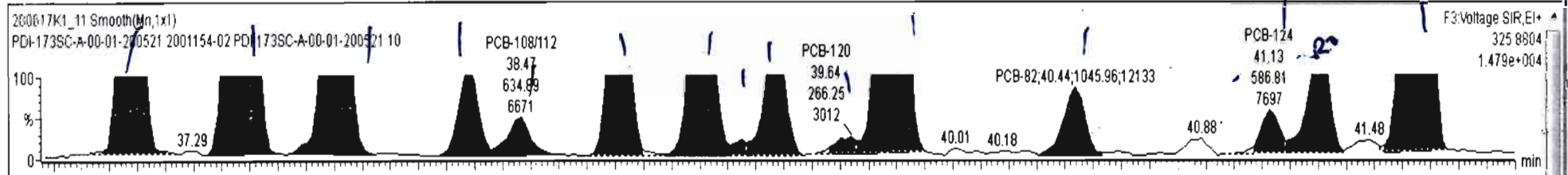
200617K1\_11



200617K1\_11 - 2001154-02 PDI-1735C-A-00-01-200521 10 - PDI-1735C-A-00-01-200521

#	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	5.090	0.00		0.000		NO	410.2		11.8	415.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
7	73 PCB-84/82	37.08	37.07	5.917e3	4.018e3	1.560	1.47	NO	34.404	34.404
8	75 PCB-90/101	37.46	37.46	1.611e4	1.018e4	1.560	1.58	NO	82.537	82.537
9	77 PCB-99	37.79	37.81	7.966e3	5.149e3	1.560	1.55	NO	34.992	34.992
10	78 PCB-119	38.28	38.28	1.245e3	7.586e2	1.560	1.64	NO	4.3930	4.3930
11	79 PCB-108/112	38.44	38.47	6.349e2	4.133e2	1.560	1.54	NO	2.8716	2.8716
12	81 PCB-97	38.80	38.82	3.395e3	2.136e3	1.560	1.59	NO	17.078	17.078
13	83 PCB-87/117/125	39.10	39.10	4.286e3	2.443e3	1.560	1.75	NO	17.088	17.088
14	84 PCB-111/115	39.25	39.25	1.793e2	1.067e2	1.560	1.68	NO	0.59261	0.59261
15	85 PCB-85/116	39.38	39.38	1.814e3	1.172e3	1.560	1.55	NO	8.3794	8.3794
16	86 PCB-120	39.64	39.64	2.662e2	1.667e2	1.560	1.60	NO	0.85480	0.85480
17	87 PCB-110	39.77	39.79	1.900e4	1.133e4	1.560	1.68	NO	68.889	68.889
18	88 PCB-82	40.44	40.44	1.046e3	6.219e2	1.560	1.68	NO	6.2013	6.2013
19	89 PCB-124	41.15	41.13	5.868e2	3.444e2	1.560	1.70	NO	1.9366	1.9366
20	90 PCB-107/109	41.29	41.31	1.693e3	8.940e2	1.560	1.89	YES	4.9547	0.00000
21	92 PCB-106/118	41.67	41.65	1.452e4	8.792e3	1.560	1.65	NO	53.219	53.219

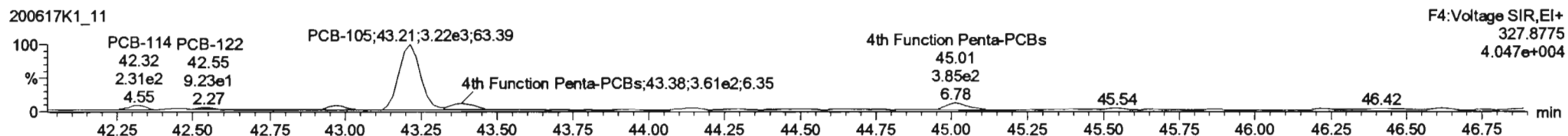
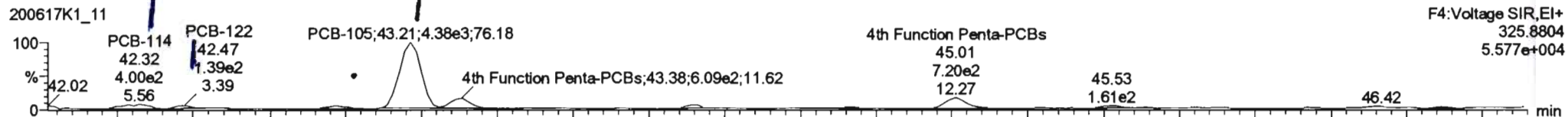


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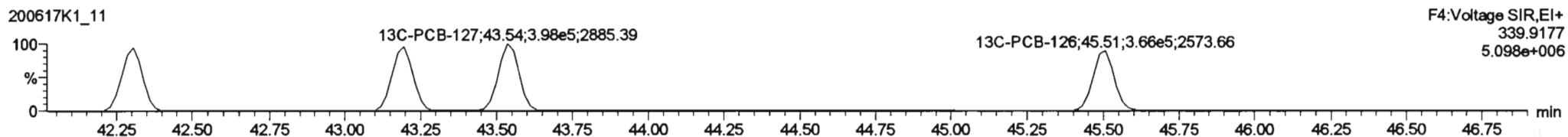
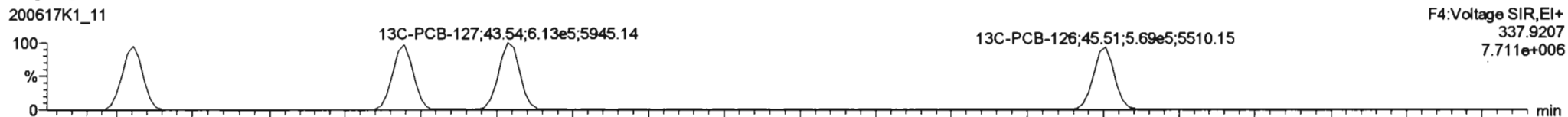
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Name: 200617K1\_11, Date: 17-Jun-2020, Time: 23:26:05, ID: 2001154-02 PDI-173SC-A-00-01-200521 10, Description: PDI-173SC-A-00-01-200521

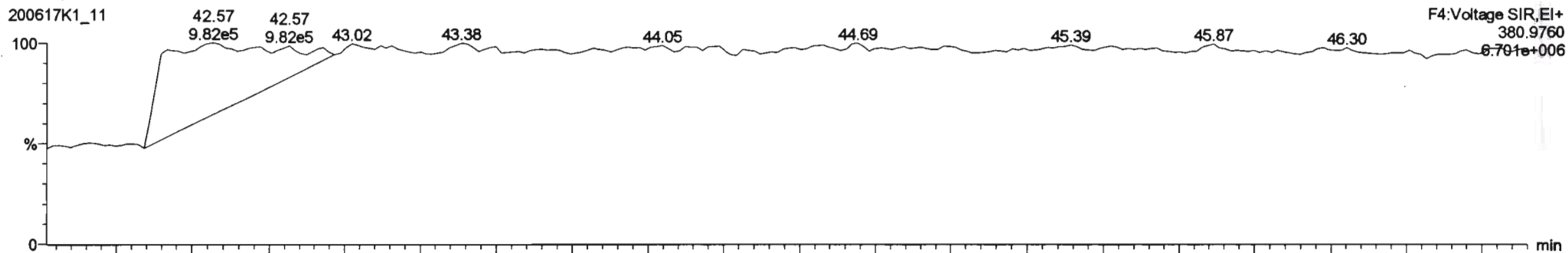
**PCB-114**



**13C-PCB-114**



**PFK4a**

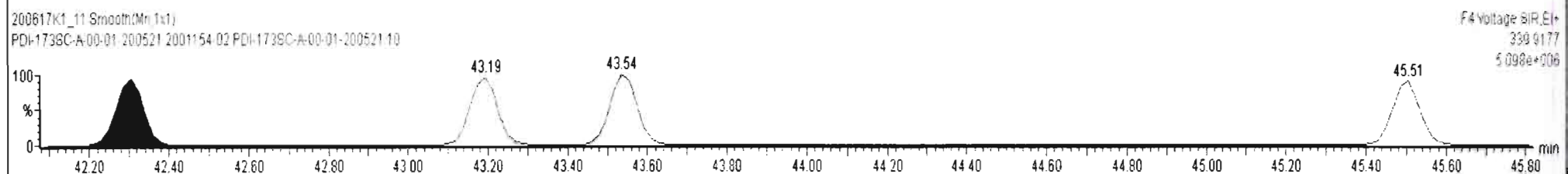
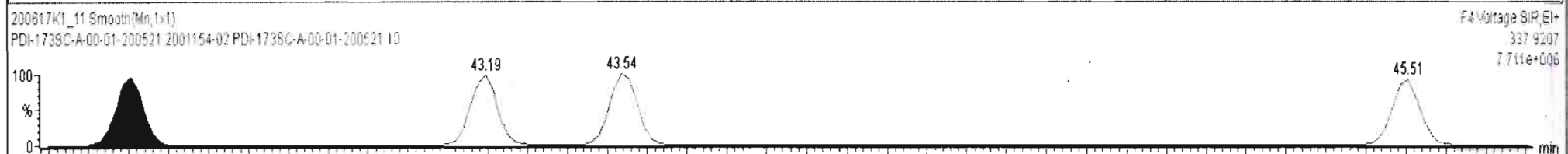
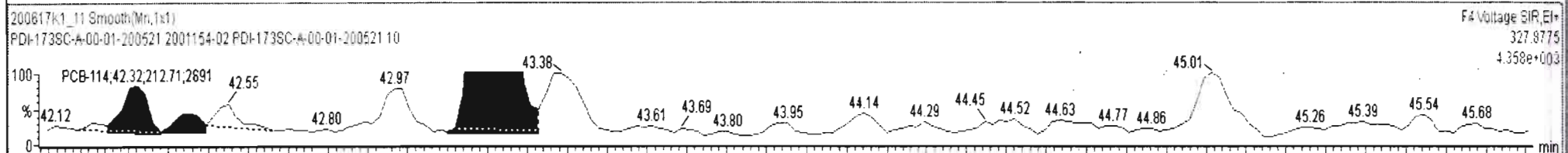
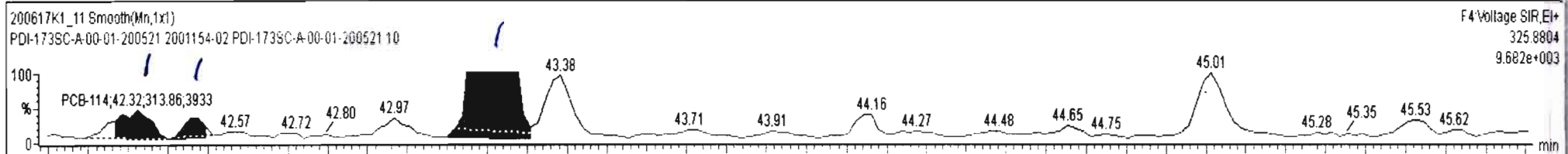




200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.0735	5.090	0.00		0.000		NO	16.58		2.01	16.58
231	3rd Function Hexa-PCBs				0.9505	5.090	0.00		0.000		NO	146.2		3.53	151.7
232	4th Function Hexa-PCBs				1.0316	5.090	0.00		0.000		NO	267.7		5.14	276.9

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.33	42.32	3.139e2	2.127e2	1.560	1.48	NO	0.95323	0.95323
2	94 PCB-122	42.47	42.47	1.491e2	8.539e1	1.560	1.75	NO	0.51296	0.51296
3	95 PCB-105	43.21	43.21	4.572e3	3.258e3	1.550	1.40	NO	15.114	15.114



Ready

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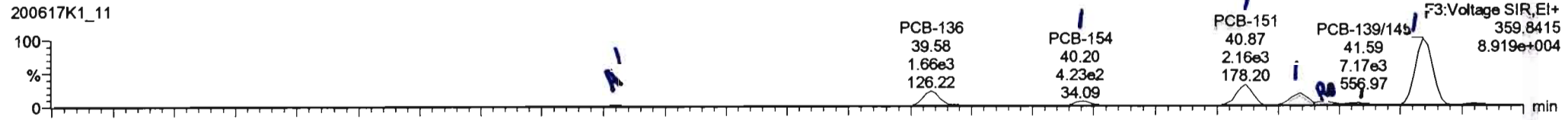
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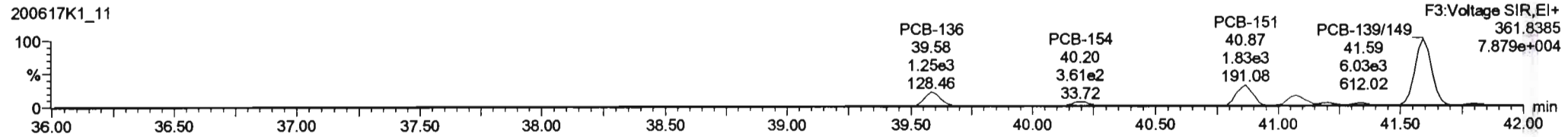
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**PCB-155**

200617K1\_11

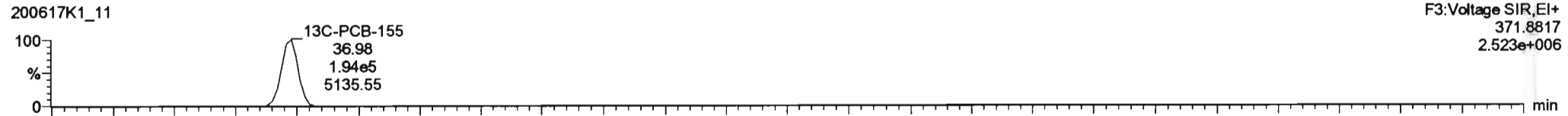


200617K1\_11

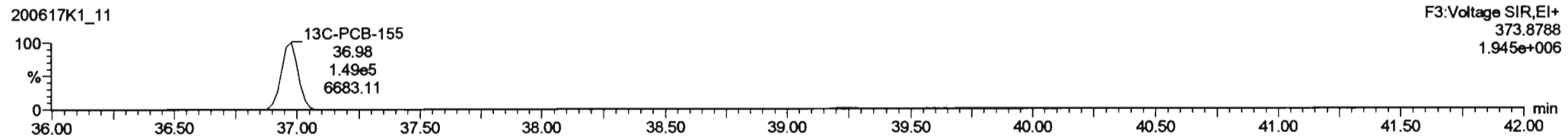


**13C-PCB-155**

200617K1\_11

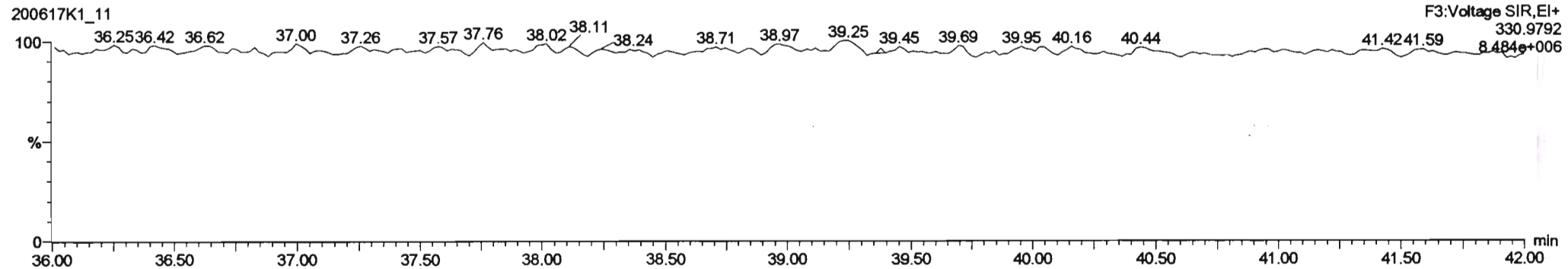


200617K1\_11



**PFK3c**

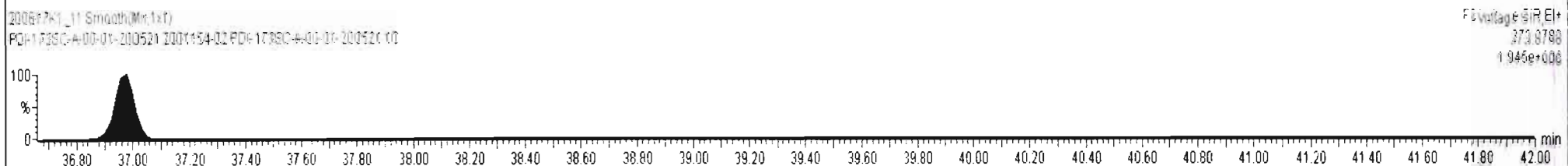
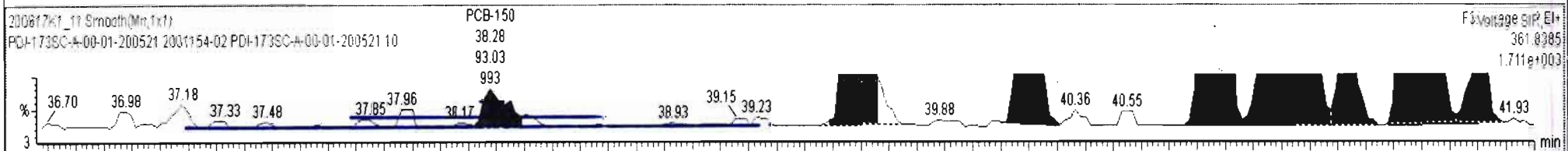
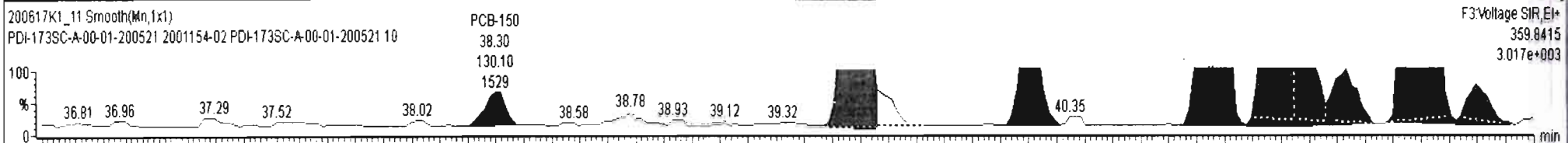
200617K1\_11



200617K1\_11 - 2001154-02 PDI-1735C-A-00-01-200521 10 - PDI-1735C-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	3rd Function Hexa-PCBs				0.9505	5.090	0.00		0.000		NO	149.3		3.53	153.0
232	4th Function Hexa-PCBs				1.0316	5.090	0.00		0.000		NO	267.7		5.14	276.9

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	99 PCB-150	38.32	38.30	1.301e2	9.303e1	1.240	1.40	NO	1.1772	1.1772
2	102 PCB-136	39.60	39.58	1.554e3	1.193e3	1.240	1.30	NO	15.362	15.362
3	104 PCB-154	40.22	40.20	4.234e2	3.613e2	1.240	1.17	NO	4.8809	4.8809
4	105 PCB-151	40.88	40.87	2.155e3	1.832e3	1.240	1.18	NO	28.981	28.981
5	106 PCB-135	41.09	41.09	1.301e3	9.319e2	1.240	1.40	NO	13.841	13.841
6	107 PCB-144	41.20	41.20	3.839e2	2.304e2	1.240	1.67	YES	3.7400	0.00000
7	108 PCB-147	41.33	41.33	2.268e2	1.977e2	1.240	1.15	NO	2.9077	2.9077
8	109 PCB-139/149	41.62	41.59	7.214e3	6.034e3	1.240	1.20	NO	79.897	79.897
9	110 PCB-140	41.80	41.80	1.682e2	1.414e2	1.240	1.19	NO	2.2296	2.2296



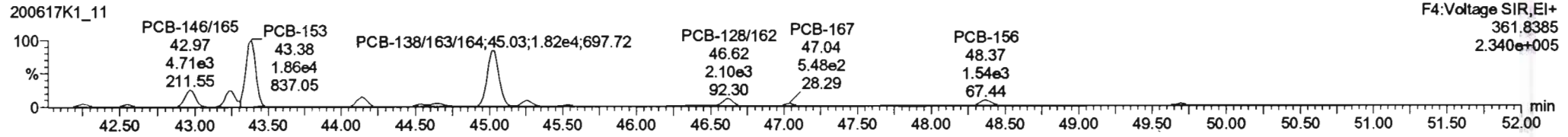
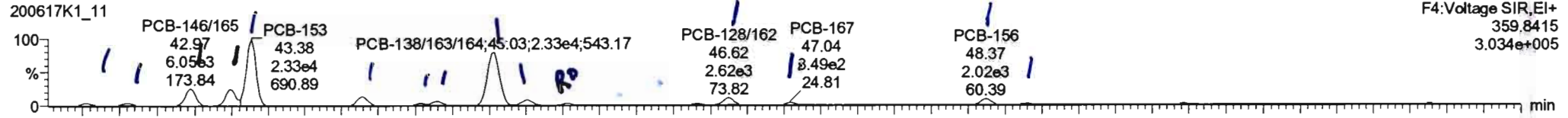
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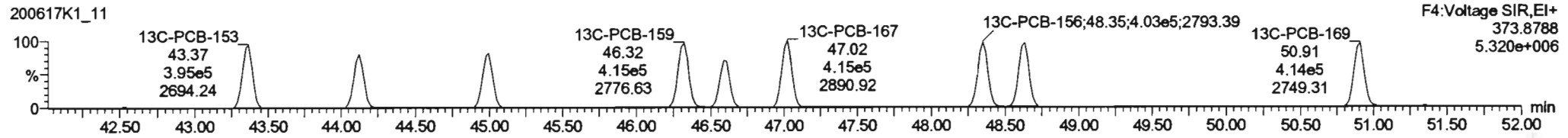
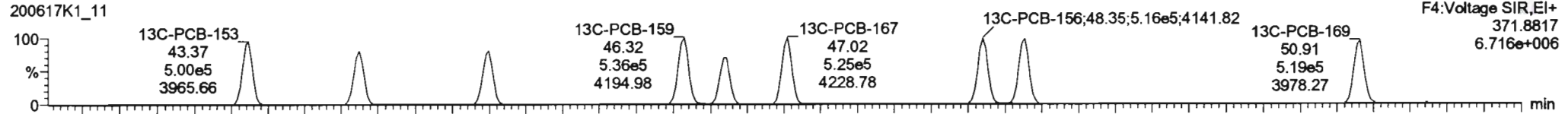
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Name: 200617K1\_11, Date: 17-Jun-2020, Time: 23:26:05, ID: 2001154-02 PDI-173SC-A-00-01-200521 10, Description: PDI-173SC-A-00-01-200521

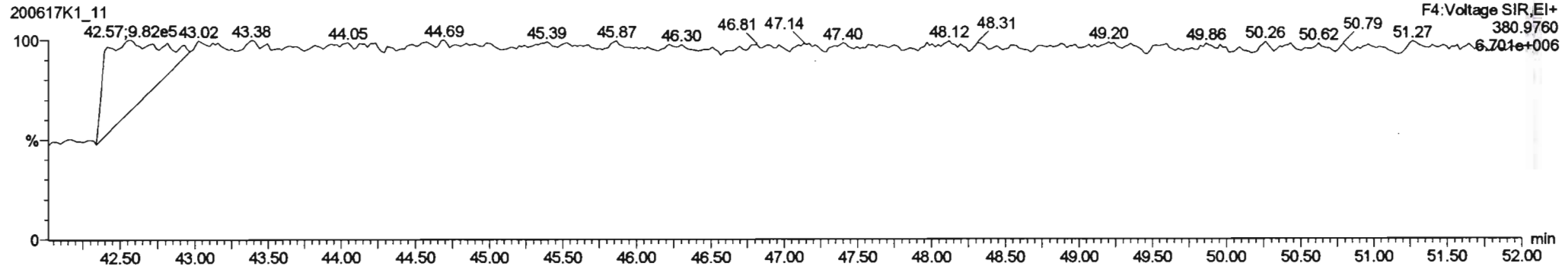
**PCB-134/143**



**13C-PCB-153**



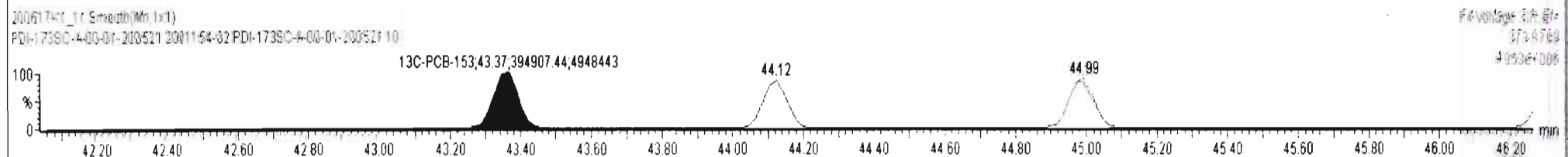
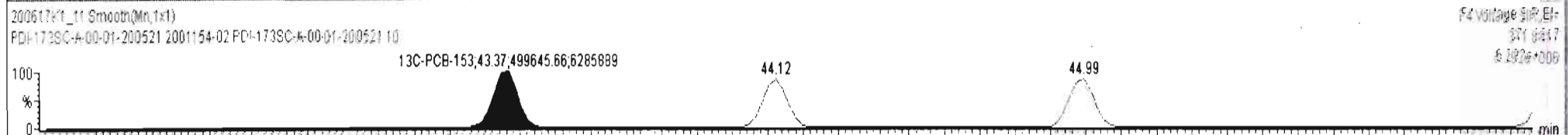
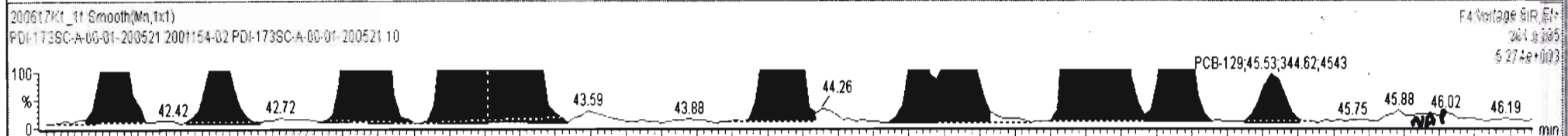
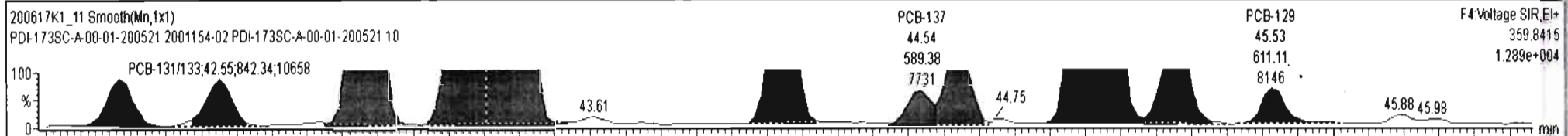
**PFK4b**



200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-200521

#	Name	Resp	RA	n/y	RFF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs				1.0316	5.090	0.00		0.000		NO	272.0		5.14	277.5

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.28	42.27	8.832e2	7.555e2	1.240	1.17	NO	4.7417	4.7417
2	112 PCB-131/133	42.58	42.55	8.423e2	6.128e2	1.240	1.37	NO	3.8932	3.8932
3	114 PCB-146/165	42.97	42.97	6.088e3	4.739e3	1.240	1.28	NO	23.388	23.388
4	115 PCB-132/161	43.20	43.23	6.031e3	4.616e3	1.240	1.31	NO	22.831	22.831
5	116 PCB-153	43.38	43.38	2.336e4	1.867e4	1.240	1.25	NO	86.203	86.203
6	118 PCB-141	44.14	44.14	3.173e3	2.609e3	1.240	1.22	NO	14.872	14.872
7	119 PCB-137	44.54	44.54	5.894e2	5.277e2	1.240	1.12	NO	2.6567	2.6567
8	120 PCB-130	44.64	44.63	1.401e3	9.877e2	1.240	1.42	NO	7.1249	7.1249
9	121 PCB-138/163/164	45.03	45.03	2.330e4	1.817e4	1.240	1.28	NO	81.612	81.612
10	122 PCB-158/160	45.28	45.26	1.973e3	1.537e3	1.240	1.28	NO	7.1494	7.1494
11	123 PCB-129	45.54	45.53	6.111e2	3.446e2	1.240	1.77	YES	2.2496	0.00000
12	126 PCB-178/162	46.63	46.62	2.619e3	2.096e3	1.240	1.25	NO	10.727	10.727

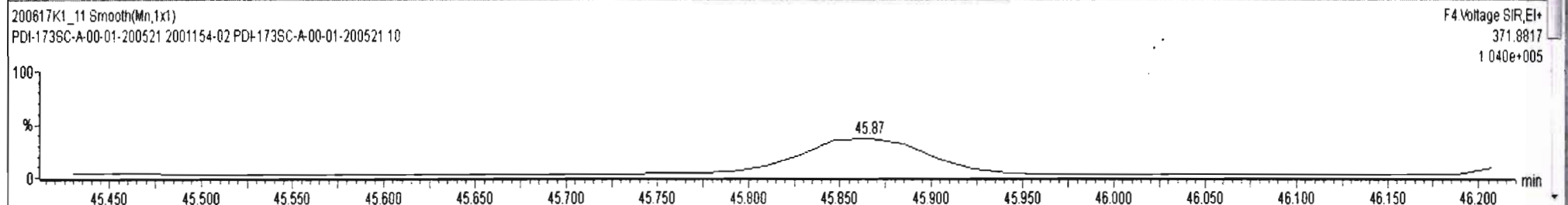
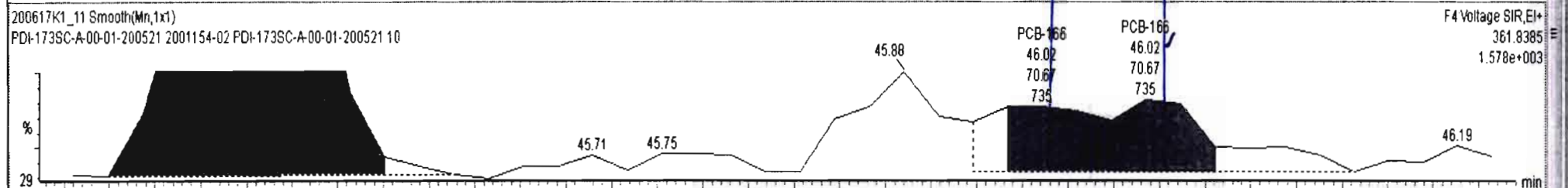
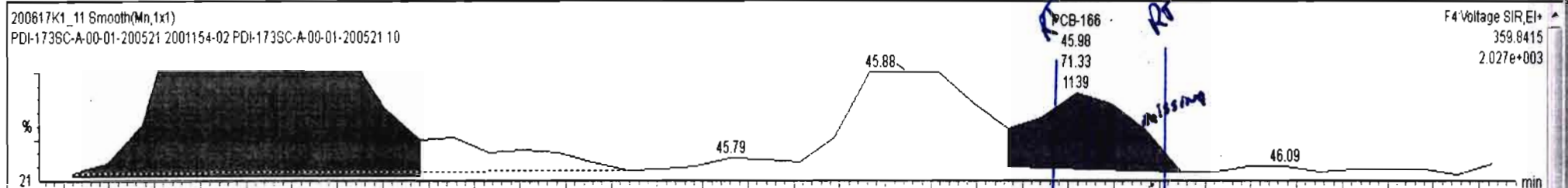


200617K1\_11 - 2001154-02 FDI-173SC-A-00-01-200521 10 - FDI-173SC-A-00-01-200521

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs				1.0316	5.090	0.00		0.000		NO	268.1		5.14	277.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	111 PCB-134/143	42.28	42.27	8.832e2	7.555e2	1.240	1.17	NO	4.7417	4.7417
2	112 PCB-131/133	42.58	42.55	8.423e2	5.880e2	1.240	1.43	YES	3.5241	0.00000
3	114 PCB-146/165	42.97	42.97	6.068e3	4.739e3	1.240	1.28	NO	23.388	23.388
4	115 PCB-132/161	43.20	43.23	6.031e3	4.616e3	1.240	1.31	NO	22.831	22.831
5	116 PCB-153	43.38	43.38	2.336e4	1.867e4	1.240	1.25	NO	86.203	86.203
6	118 PCB-141	44.14	44.14	3.173e3	2.599e3	1.240	1.22	NO	14.847	14.847
7	119 PCB-137	44.54	44.54	5.894e2	5.277e2	1.240	1.12	NO	2.6567	2.6567
8	120 PCB-130	44.64	44.63	1.401e3	9.877e2	1.240	1.42	NO	7.1249	7.1249
9	121 PCB-138/163/164	45.03	45.03	2.330e4	1.817e4	1.240	1.28	NO	81.612	81.612
10	122 PCB-158/160	45.28	45.26	1.997e3	1.537e3	1.240	1.30	NO	7.1983	7.1983
11	123 PCB-129	45.54	45.53	6.250e2	3.370e2	1.240	1.85	YES	2.1999	0.00000
12	124 PCB-166	46.01	45.98	7.133e1	7.067e1	1.240	1.01	YES	0.23276	0.00000

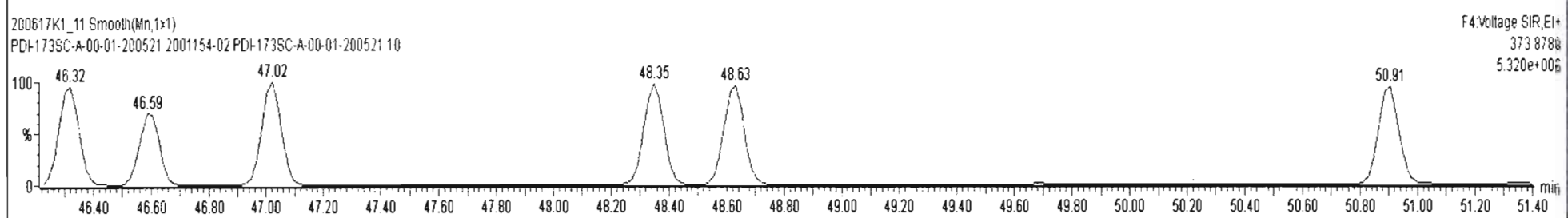
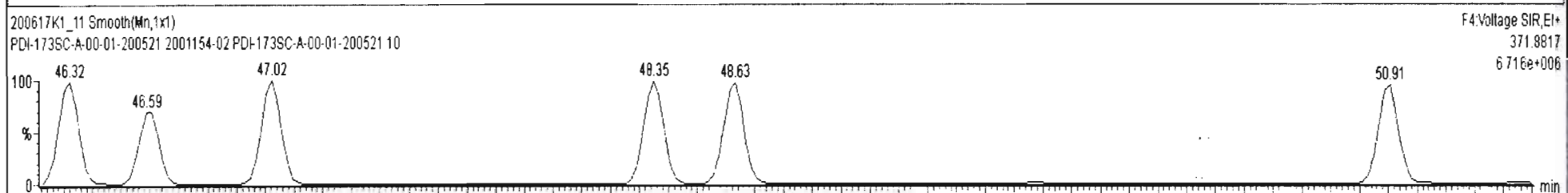
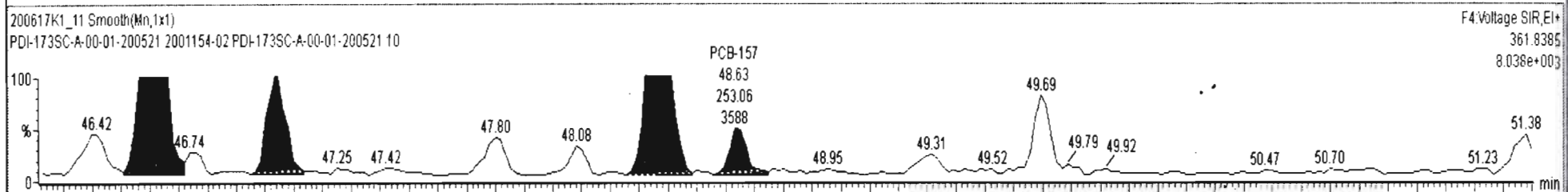
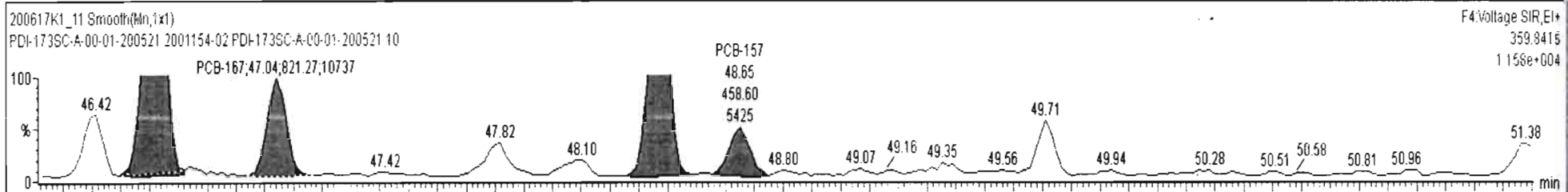
early



200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-201521

#	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				1.0316	5.090	0.00		0.000		NO	274.8		5.14	278.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
12	126 PCB-128/162	46.63	46.62	2.684e3	2.096e3	1.240	1.28	NO	10.874	10.874
13	127 PCB-167	47.04	47.04	8.213e2	5.777e2	1.240	1.42	NO	2.6362	2.6362
14	126 PCB-156	48.37	48.37	2.017e3	1.557e3	1.240	1.30	NO	6.7885	6.7885
15	129 PCB-157	48.67	48.65	4.586e2	2.531e2	1.240	1.81	YES	1.1532	0.00000

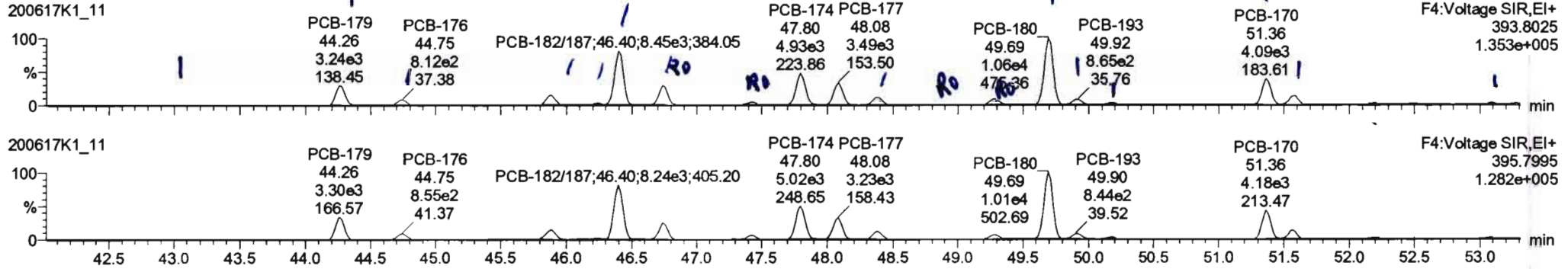


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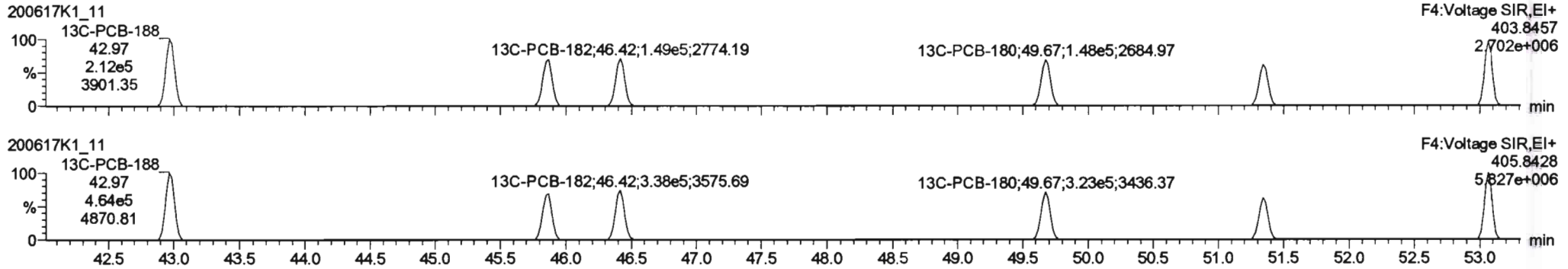
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Name: 200617K1\_11, Date: 17-Jun-2020, Time: 23:26:05, ID: 2001154-02 PDI-173SC-A-00-01-200521 10, Description: PDI-173SC-A-00-01-200521

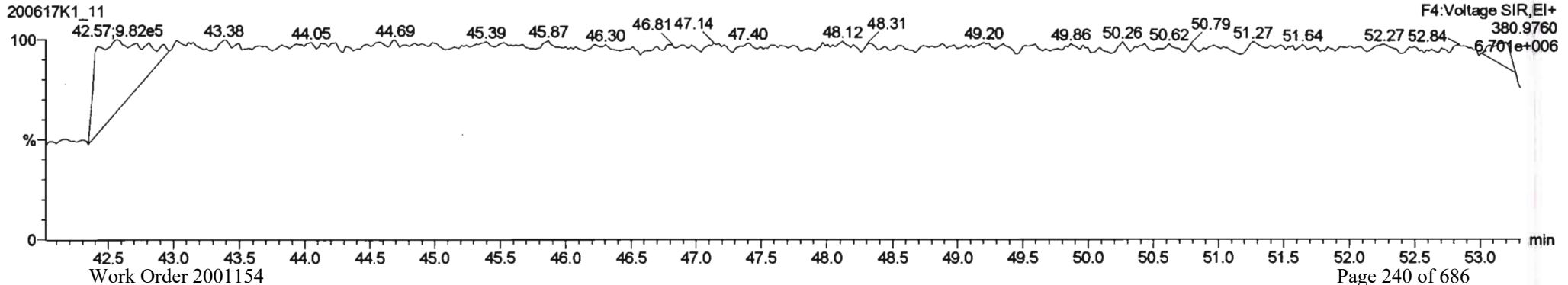
**PCB-188**



**13C-PCB-188**



**PFK4c**

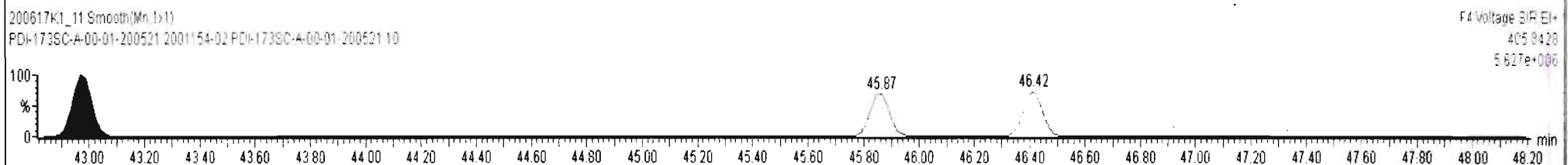
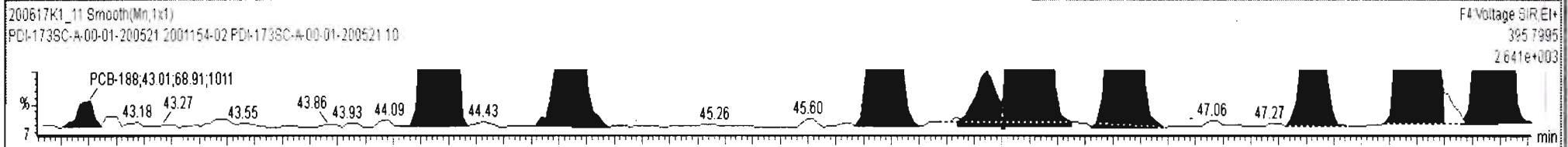
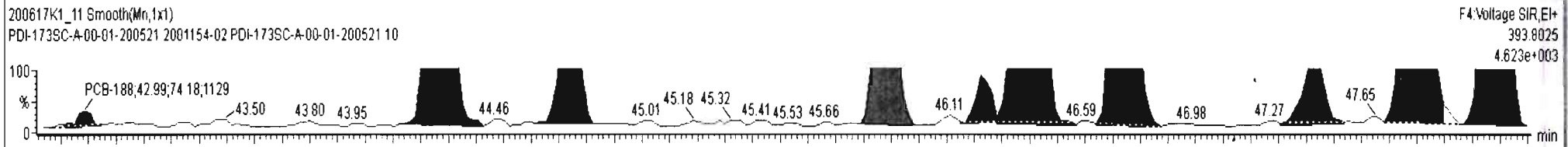




200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.3551	5.090	0.00		0.000		NO	236.6		5.36	257.6
234	234 4th Function Octa-PCBs				1.0008	5.090	0.00		0.000		NO	24.45		4.50	48.61

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	131 PCB-188	43.01	42.99	7.418e1	6.891e1	1.050	1.08	NO	0.32234	0.32234
2	133 PCB-179	44.26	44.26	3.240e3	3.296e3	1.050	0.98	NO	14.628	14.628
3	134 PCB-176	44.72	44.75	8.123e2	8.552e2	1.050	0.95	NO	3.7020	3.7020
4	136 PCB-178	45.87	45.88	1.456e3	1.455e3	1.050	1.00	NO	8.9680	8.9680
5	137 PCB-175	46.22	46.23	2.262e2	1.924e2	1.050	1.18	NO	1.2720	1.2720
6	138 PCB-182/187	46.40	46.40	8.486e3	8.278e3	1.050	1.03	NO	45.682	45.682
7	139 PCB-183	46.74	46.74	3.004e3	2.374e3	1.050	1.27	YES	13.822	0.00000
8	140 PCB-185	47.42	47.44	4.623e2	5.603e2	1.050	0.83	YES	2.6795	0.00000
9	141 PCB-174	47.81	47.80	4.887e3	4.963e3	1.050	0.98	NO	30.364	30.364
10	143 PCB-177	48.06	48.08	3.491e3	3.228e3	1.050	1.08	NO	21.945	21.945

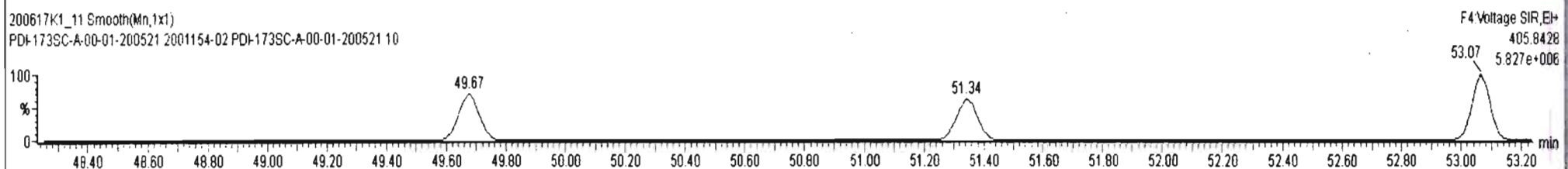
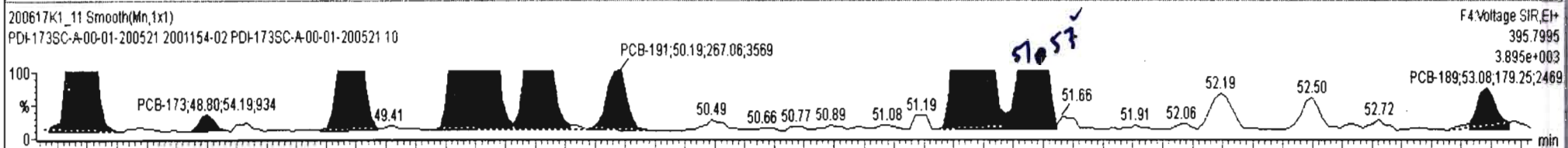
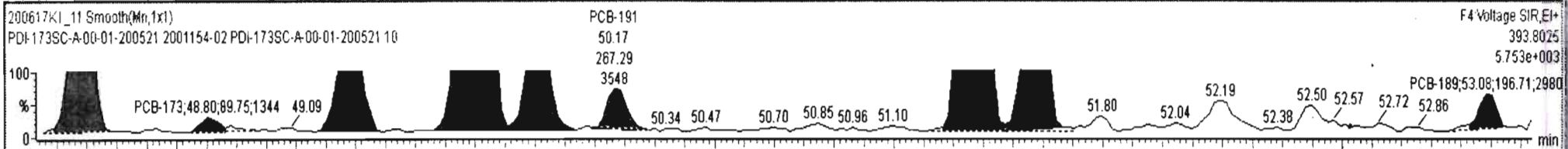


200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-200521

#	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	5.090	0.00		0.000		NO	236.5		5.36	257.6
234	234 4th Function Octa-PCBs				1.0008	5.090	0.00		0.000		NO	24.45		4.50	48.61

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
11	144 PCB-171	48.36	48.39	1.241e3	1.173e3	1.050	1.06	NO	7.6537	7.6537
12	145 PCB-173	48.80	48.80	8.975e1	5.419e1	1.050	1.66	YES	0.38957	0.00000
13	146 PCB-172	49.28	49.28	9.394e2	6.618e2	1.050	1.42	YES	4.1167	0.00000
14	148 PCB-180	49.69	49.69	1.065e4	1.007e4	1.050	1.06	NO	61.244	61.244
15	149 PCB-193	49.90	49.92	8.646e2	8.282e2	1.050	1.04	NO	4.2127	4.2127
16	150 PCB-191	50.17	50.17	2.673e2	2.671e2	1.050	1.00	NO	1.3038	1.3038
17	151 PCB-170	51.36	51.36	4.077e3	4.200e3	1.050	0.97	NO	27.779	27.779
18	152 PCB-190	51.55	51.59	1.388e3	1.200e3	1.050	1.16	NO	6.5722	6.5722
19	153 PCB-189	53.09	53.08	1.967e2	1.793e2	1.050	1.10	NO	0.89633	0.89633

- 0.04 1.0%



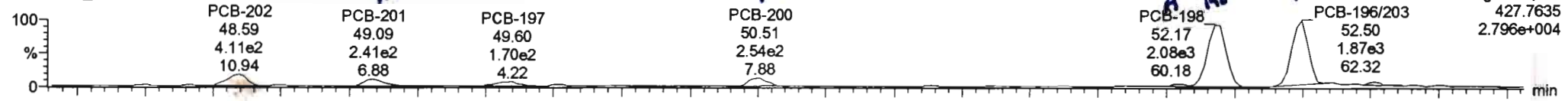
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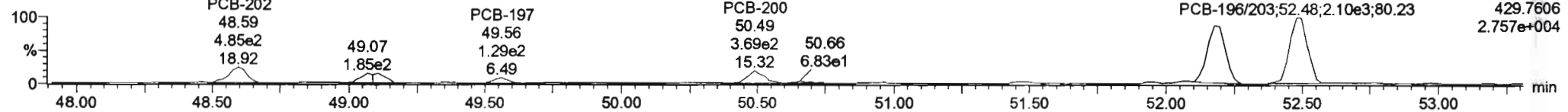
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**PCB-202**

200617K1\_11

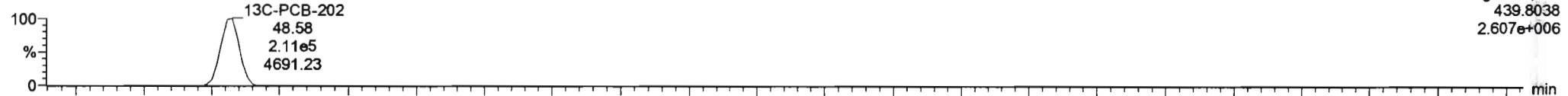


200617K1\_11

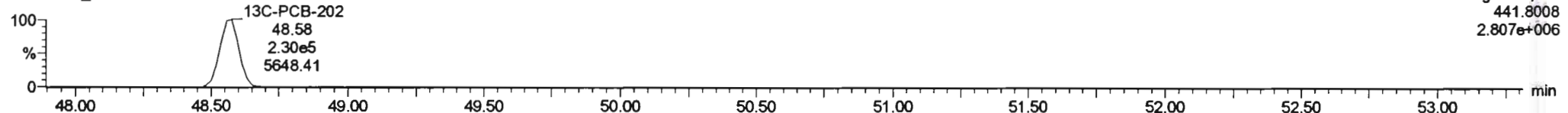


**13C-PCB-202**

200617K1\_11

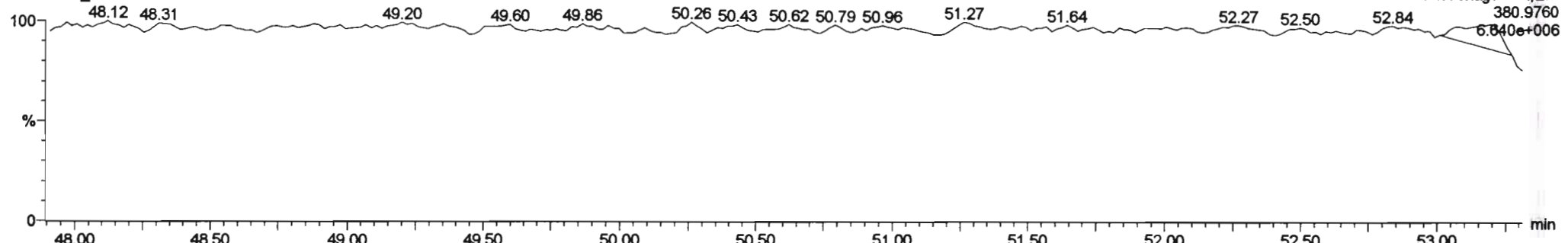


200617K1\_11



**PFK4d**

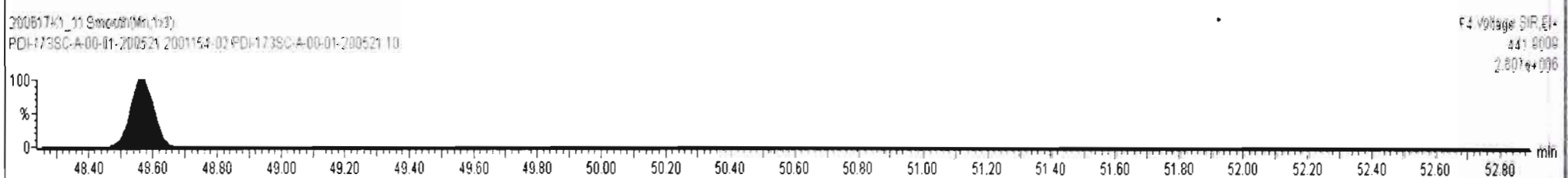
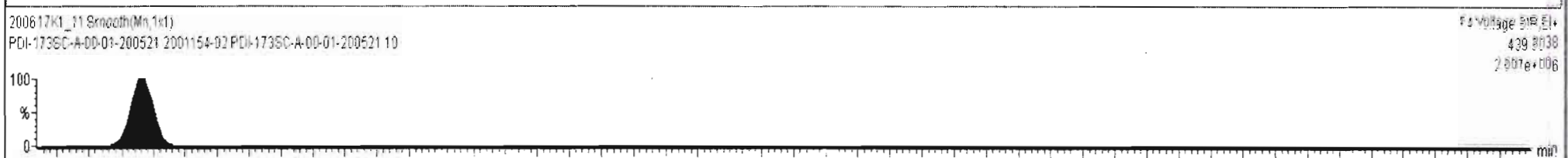
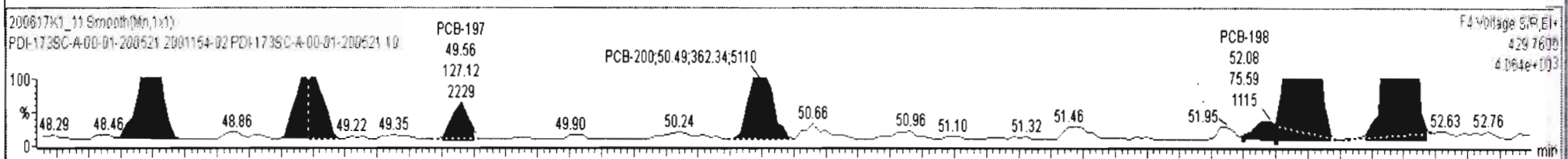
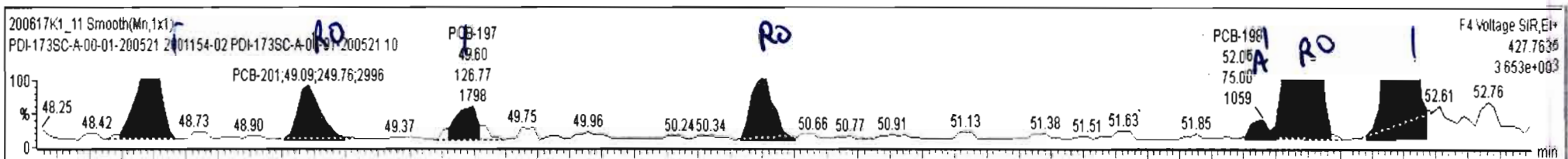
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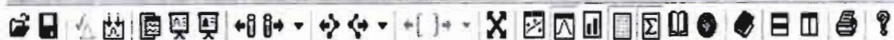


200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				1.0008	5.090	0.00		0.000		NO	27.20		4.50	51.67
235	235 5th Function Octa-PCBs				1.1499	5.090	0.00		0.000		NO	13.89		0.976	19.19

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	154 PCB-202	48.61	48.59	4.004e2	4.850e2	0.890	0.83	NO	3.3732	3.3732
2	155 PCB-201	49.10	49.09	2.498e2	3.752e2	0.890	0.67	YES	2.2424	0.00000
3	157 PCB-197	49.57	49.60	1.268e2	1.271e2	0.890	1.00	NO	0.99771	0.99771
4	158 PCB-200	50.50	50.51	2.709e2	3.623e2	0.890	0.75	YES	2.3923	0.00000
5	159 PCB-198	52.08	52.06	7.500e1	7.559e1	0.890	0.99	NO	0.84432	0.84432
6	160 PCB-199	52.18	52.17	2.058e3	1.908e3	0.890	1.08	YES	19.837	0.00000
7	161 PCB-196/203	52.50	52.50	2.007e3	2.134e3	0.890	0.94	NO	21.987	21.987

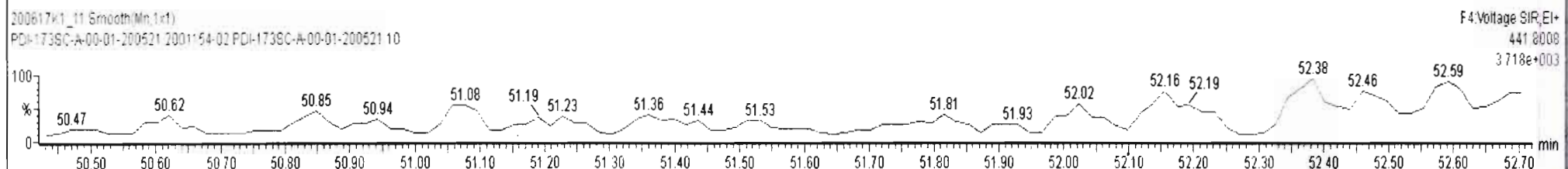
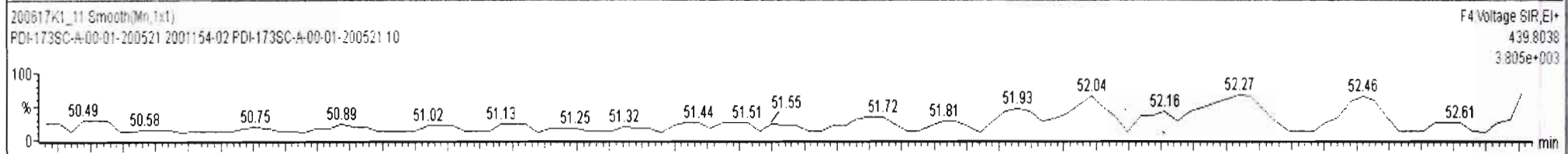
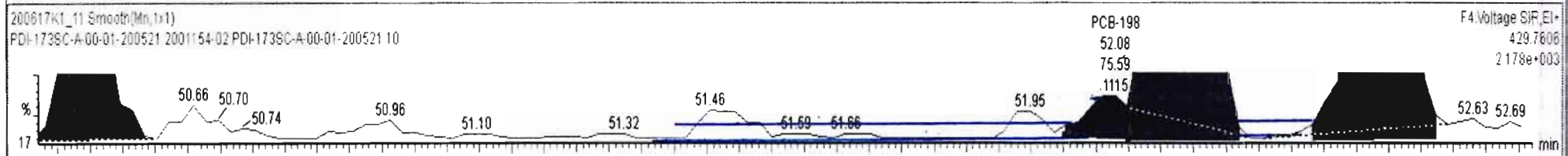
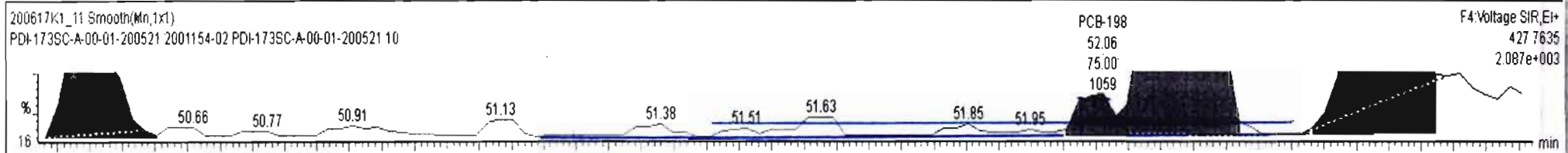




200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				1.0008	5.090	0.00		0.000		NO	27.20		4.50	51.67
235	235 5th Function Octa-PCBs				1.1499	5.090	0.00		0.000		NO	13.89		0.976	19.19

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	154 PCB-202	48.61	48.59	4.004e2	4.850e2	0.890	0.83	NO	3.3732	3.3732
2	155 PCB-201	49.10	49.09	2.496e2	3.752e2	0.890	0.67	YES	2.2424	0.00000
3	157 PCB-197	49.57	49.60	1.268e2	1.271e2	0.890	1.00	NO	0.99771	0.99771
4	158 PCB-200	50.50	50.51	2.709e2	3.623e2	0.890	0.75	YES	2.3923	0.00000
5	159 PCB-198	52.08	52.06	7.500e1	7.559e1	0.890	0.99	NO	0.84432	0.84432
6	160 PCB-199	52.18	52.17	2.058e3	1.908e3	0.890	1.08	YES	19.837	0.00000
7	161 PCB-196/203	52.50	52.50	2.007e3	2.134e3	0.890	0.94	NO	21.987	21.987

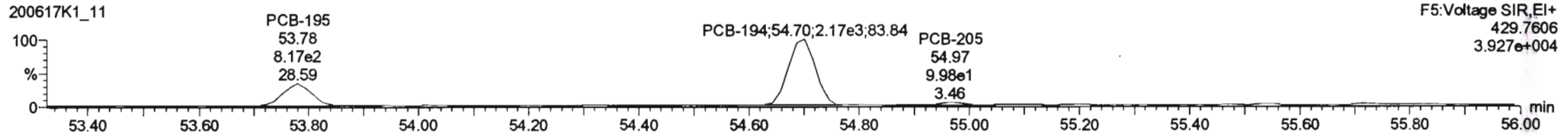
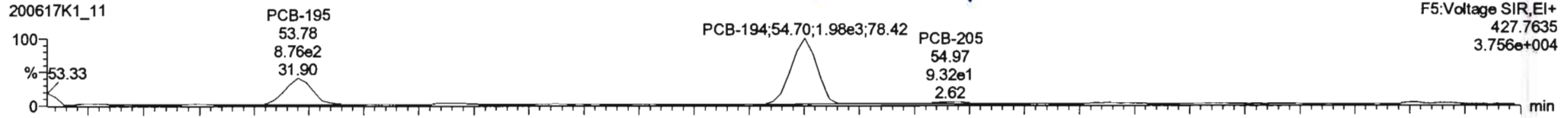


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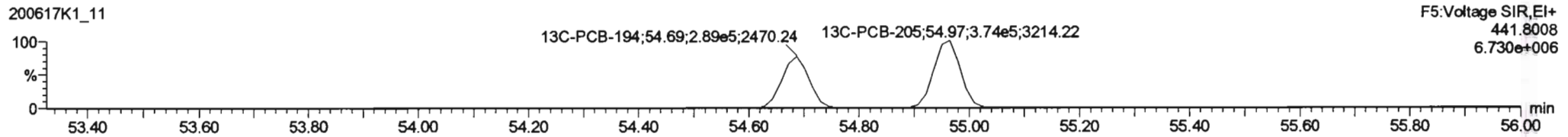
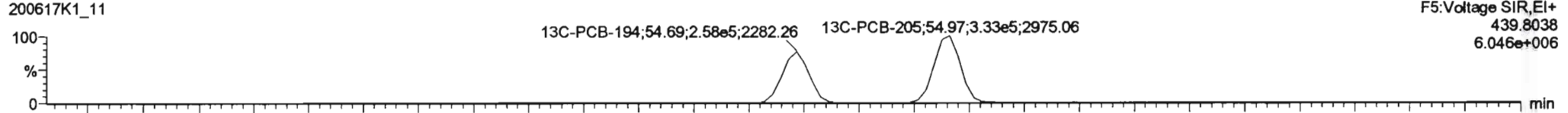
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Name: 200617K1\_11, Date: 17-Jun-2020, Time: 23:26:05, ID: 2001154-02 PDI-173SC-A-00-01-200521 10, Description: PDI-173SC-A-00-01-200521

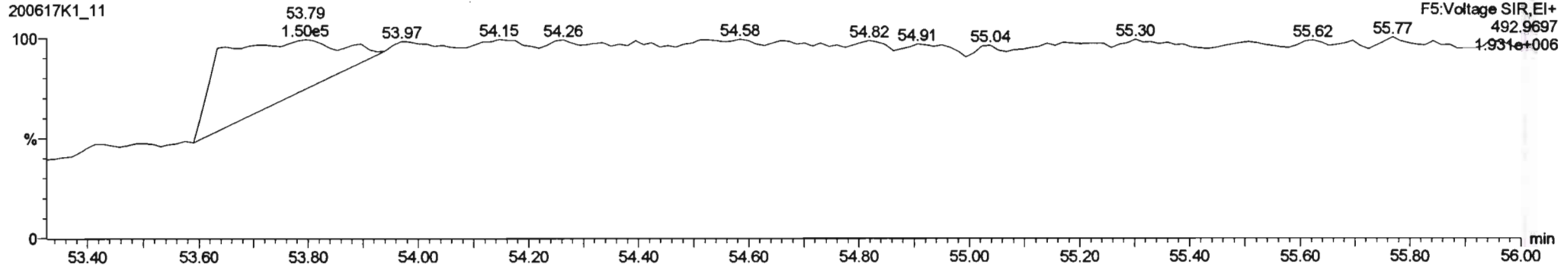
**PCB-195**



**13C-PCB-194**



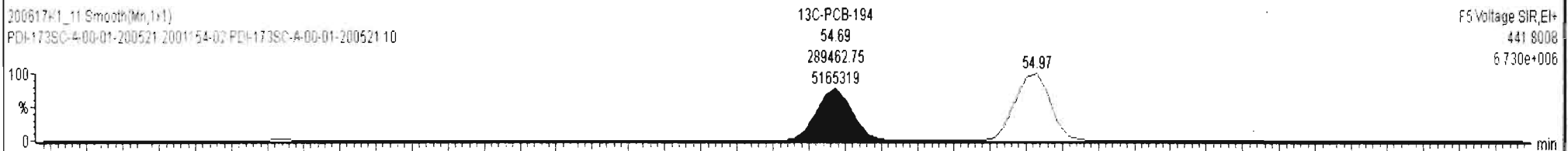
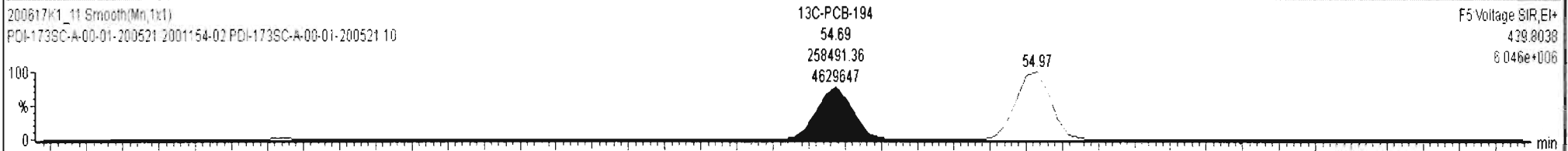
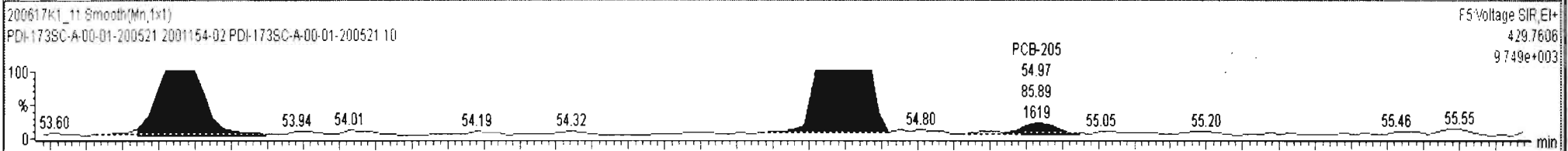
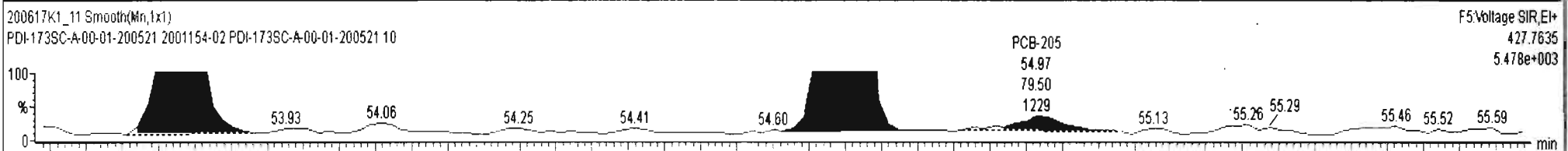
**PFK5a**



200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				1.0008	5.090	0.00		0.000		NO	27.20		4.50	51.67
235	235 5th Function Octa-PCBs				1.1499	5.090	0.00		0.000		NO	19.63		0.976	19.63

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	162 PCB-195	53.78	53.78	8.542e2	8.443e2	0.890	1.01	NO	5.8304	5.8304
2	163 PCB-194	54.70	54.70	1.983e3	2.167e3	0.890	0.92	NO	13.335	13.335
3	164 PCB-205	54.97	54.97	7.950e1	8.589e1	0.890	0.93	NO	0.45989	0.45989



Vista Analytical Laboratory VG-11

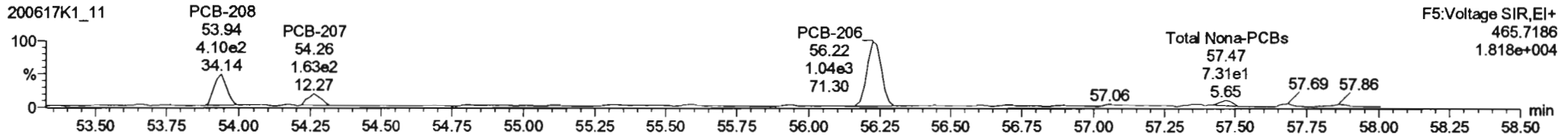
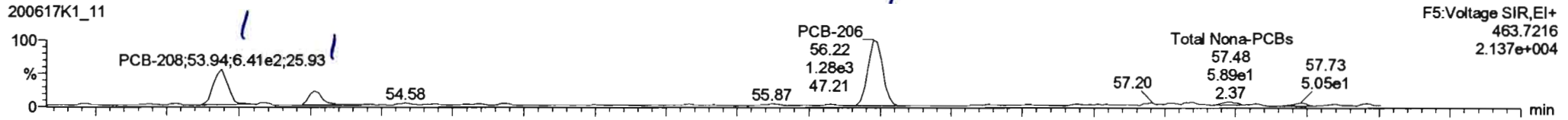
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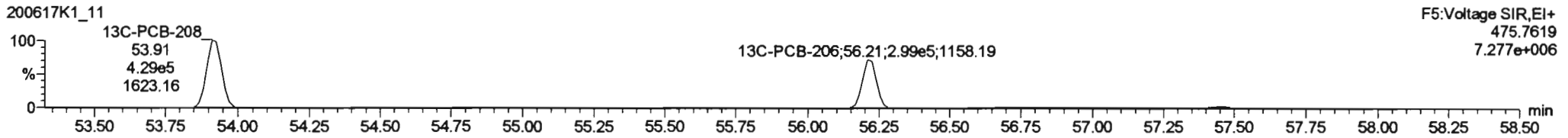
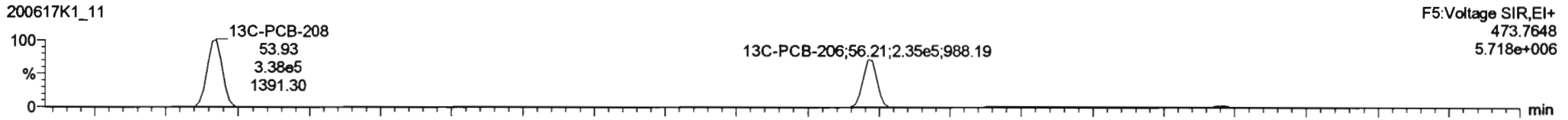
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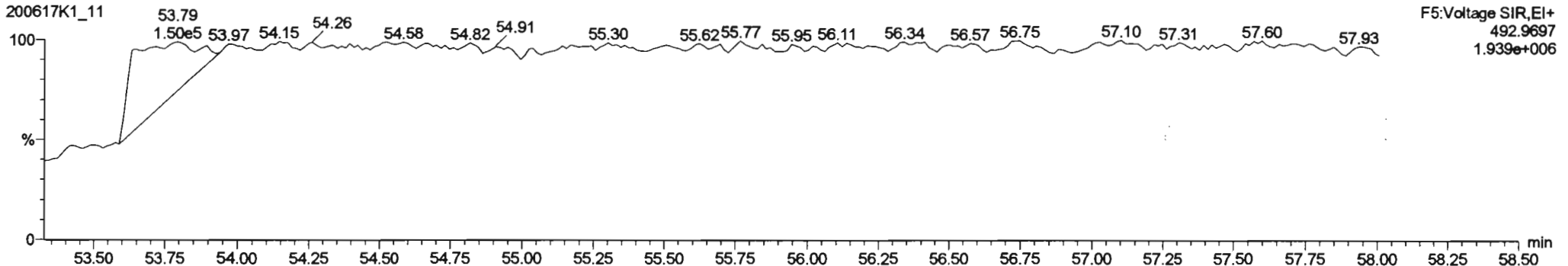
PCB-208



13C-PCB-208



PFK5

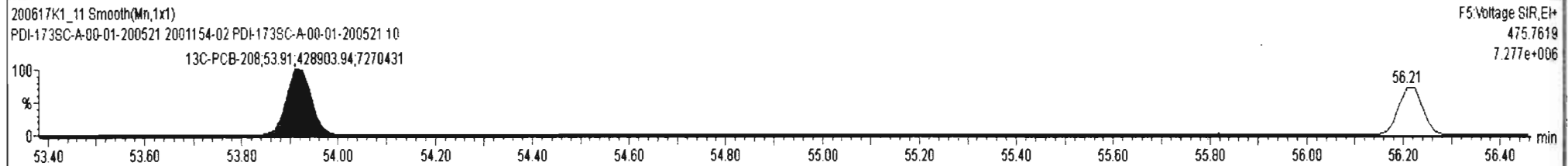
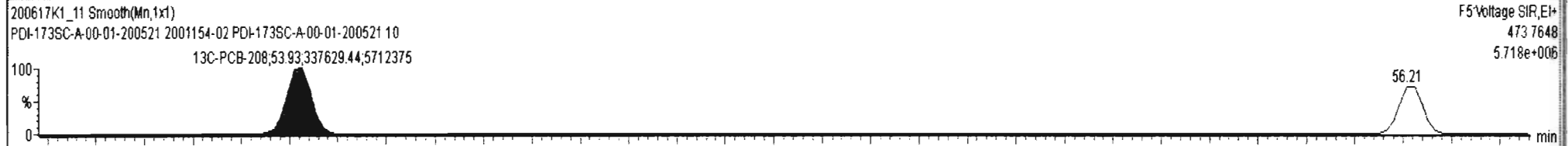
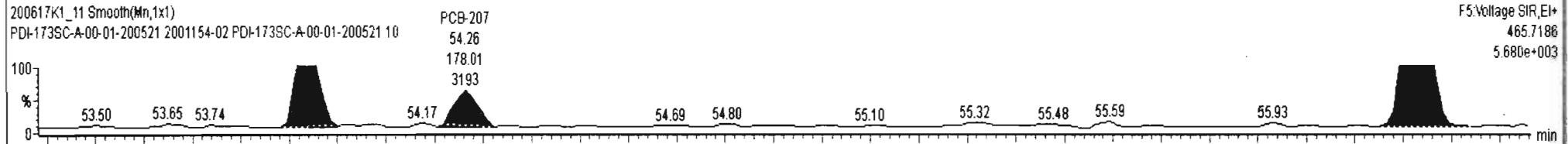
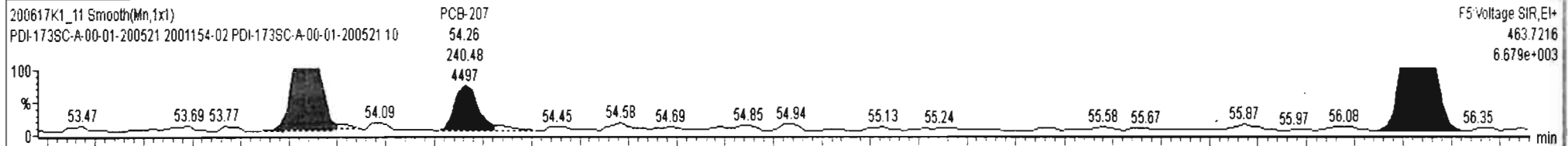




200617K1\_11 - 2001154-02 PDI-173SC-A-00-01-200521 10 - PDI-173SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/Avl	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
236	236 Total Nona-PCBs				0.9523	5.090	0.00		0.000		NO	12.48		0.746	12.48
237	237 Deca-CB				0.9864	5.090	0.00		0.000		NO	0.0000		0.181	10.44

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	165 PCB-208	53.94	53.94	6.176e2	4.209e2	1.340	1.47	NO	2.8522	2.8522
2	166 PCB-207	54.26	54.26	2.405e2	1.780e2	1.340	1.35	NO	1.1705	1.1705
3	167 PCB-206	56.22	56.22	1.282e3	1.035e3	1.340	1.24	NO	8.4591	8.4591



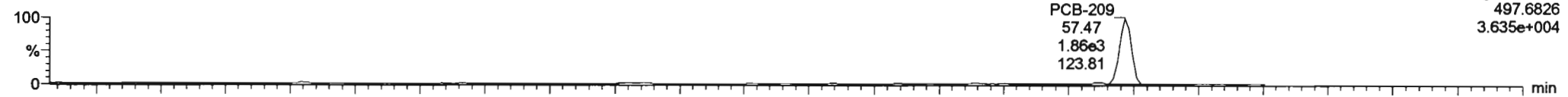
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Last Altered: Thursday, June 18, 2020 08:02:45 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:04:50 Pacific Daylight Time

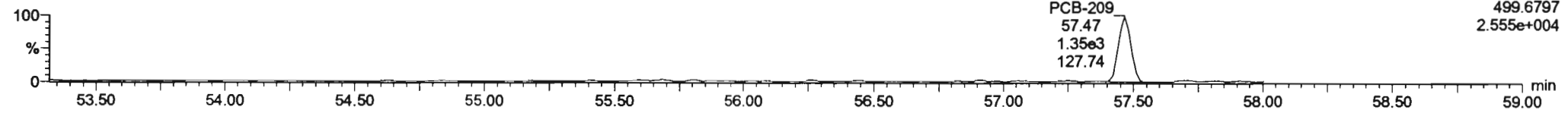
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**PCB-209**

200617K1\_11

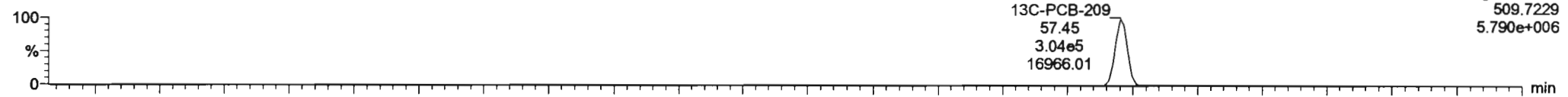


200617K1\_11

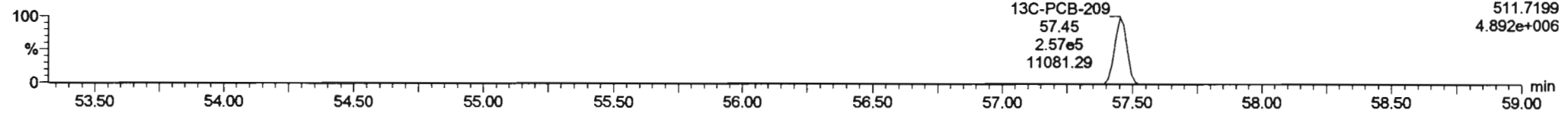


**13C-PCB-209**

200617K1\_11

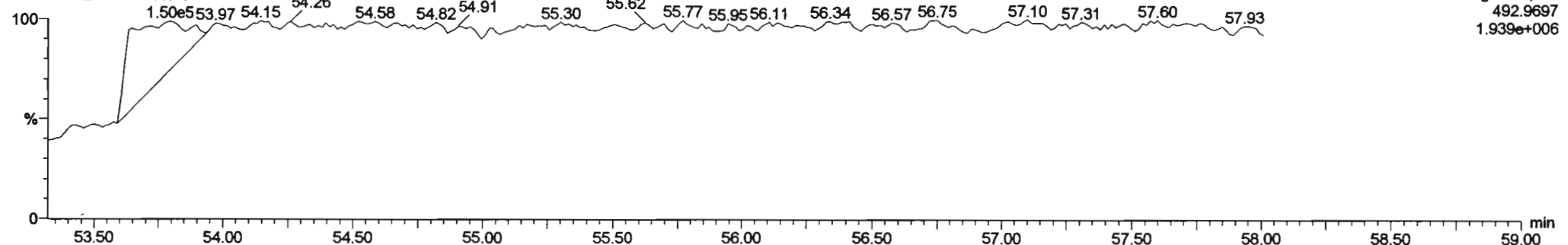


200617K1\_11



**PFK5b**

200617K1\_11



Dataset: U:\VG11.PRO\Results\200617K2\200617K2-8.qld

Last Altered: Friday, June 26, 2020 11:39:08 AM Pacific Daylight Time

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*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: 200617K2\_8, Date: 18-Jun-2020, Time: 07:38:06, ID: 2001154-03 PDI-174SC-A-00-01-200521 10, Description: PDI-174SC-A-00-01-200521

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.86e3	2.84	NO	1.17	5.287	15.57	15.57	1.001	1.001	NO	2.385		0.280	2.385
2	2 PCB-2	1.79e3	3.10	NO	1.18	5.287	17.99	18.00	0.988	0.988	NO	2.080		0.208	2.080
3	3 PCB-3	2.09e3	2.89	NO	1.15	5.287	18.22	18.22	1.001	1.001	NO	2.504		0.214	2.504
4	4 PCB-4/10			NO	1.25	5.287	19.62		1.004		YES			1.17	
5	5 PCB-7/9			NO	0.960	5.287	21.45		1.003		YES			0.846	
6	6 PCB-6	1.98e3	1.35	NO	1.02	5.287	22.10	22.08	1.033	1.032	NO	2.743		0.794	2.743
7	7 PCB-5/8	6.26e3	1.56	NO	0.992	5.287	22.51	22.47	1.052	1.051	NO	8.947		0.818	8.947
8	8 PCB-14			NO	1.02	5.287	23.62		0.952		YES			0.874	
9	9 PCB-11	6.52e3	1.33	NO	1.13	5.287	24.84	24.84	1.001	1.001	NO	7.714		0.789	7.714
10	10 PCB-12/13			NO	1.03	5.287	25.28		1.018		YES			0.866	
11	11 PCB-15	4.70e3	1.50	NO	1.03	5.287	25.59	25.56	1.031	1.030	NO	6.054		0.859	6.054
12	12 PCB-19	2.39e3	1.00	NO	1.11	5.287	23.80	23.80	1.001	1.001	NO	5.039		0.555	5.039
13	13 PCB-30			NO	1.79	5.287	24.70		1.039		YES			0.342	
14	14 PCB-18	1.09e4	1.06	NO	0.818	5.287	25.46	25.47	0.952	0.952	NO	20.88		0.498	20.88
15	15 PCB-17	7.12e3	1.06	NO	0.758	5.287	25.63	25.65	0.958	0.959	NO	14.68		0.537	14.68
16	16 PCB-24/27	1.69e3	1.15	NO	1.08	5.287	26.25	26.23	0.981	0.980	NO	2.447		0.376	2.447
17	17 PCB-16/32	1.07e4	1.01	NO	0.925	5.287	26.77	26.78	1.001	1.001	NO	18.11		0.440	18.11
18	18 PCB-34			NO	0.945	5.287	27.58		0.959		YES			0.504	
19	19 PCB-23			NO	0.883	5.287	27.67		0.962		YES			0.540	
20	20 PCB-29			NO	0.893	5.287	27.93		0.971		YES			0.534	
21	21 PCB-26	4.21e3	1.15	NO	0.944	5.287	28.16	28.16	0.979	0.979	NO	5.562		0.505	5.562
22	22 PCB-25	3.08e3	0.95	NO	0.950	5.287	28.31	28.32	0.984	0.984	NO	4.033		0.502	4.033
23	23 PCB-31	2.20e4	0.98	NO	1.04	5.287	28.68	28.68	0.997	0.997	NO	26.50		0.460	26.50
24	24 PCB-28	2.78e4	1.00	NO	1.03	5.287	28.79	28.79	1.001	1.001	NO	33.73		0.465	33.73
25	25 PCB-20/21/33	1.33e4	1.07	NO	0.941	5.287	29.43	29.44	1.023	1.023	NO	17.64		0.506	17.64
26	26 PCB-22	6.81e3	1.01	NO	0.973	5.287	29.87	29.89	1.038	1.039	NO	8.717		0.490	8.717
27	27 PCB-36			NO	1.08	5.287	30.54		0.931		YES			0.442	
28	28 PCB-39			NO	0.988	5.287	31.02		0.946		YES			0.481	
29	29 PCB-38			NO	1.05	5.287	31.82		0.970		YES			0.452	
30	30 PCB-35			NO	1.04	5.287	32.36		0.987		YES			0.456	

Dataset: U:\VG11.PRO\Results\200617K2\200617K2-8.qld

Last Altered: Friday, June 26, 2020 11:39:08 AM Pacific Daylight Time

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Name: 200617K2\_8, Date: 18-Jun-2020, Time: 07:38:06, ID: 2001154-03 PDI-174SC-A-00-01-200521 10, Description: PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	31 PCB-37	7.49e3	1.02	NO	1.01	5.287	32.81	32.81	1.001	1.001	NO	9.256		0.471	9.256
32	32 PCB-54	6.56e2	0.82	NO	1.08	5.287	27.64	27.64	1.001	1.001	NO	1.015		0.271	1.015
33	33 PCB-50			NO	0.880	5.287	28.83		1.044		YES			0.333	
34	34 PCB-53	6.96e3	0.71	NO	0.997	5.287	29.51	29.51	0.944	0.944	NO	13.82		0.362	13.82
35	35 PCB-51	3.55e3	0.69	NO	1.07	5.287	29.85	29.85	0.955	0.955	NO	6.593		0.339	6.593
36	36 PCB-45	3.46e3	0.74	NO	0.858	5.287	30.30	30.30	0.969	0.969	NO	7.972		0.421	7.972
37	37 PCB-46	1.70e3	0.75	NO	0.831	5.287	30.80	30.80	0.985	0.985	NO	4.063		0.435	4.063
38	38 PCB-52/69	5.02e4	0.76	NO	1.17	5.287	31.30	31.28	1.001	1.001	NO	85.29		0.310	85.29
39	39 PCB-73			NO	1.44	5.287	31.41		1.005		YES			0.250	
40	40 PCB-43/49	3.42e4	0.78	NO	1.02	5.287	31.59	31.60	1.010	1.011	NO	66.61		0.355	66.61
41	41 PCB-47	1.66e4	0.81	NO	0.922	5.287	31.82	31.82	1.001	1.001	NO	32.19		0.382	32.19
42	42 PCB-48/75	5.78e3	0.81	NO	1.12	5.287	31.93	31.95	1.004	1.005	NO	9.232		0.314	9.232
43	43 PCB-65			NO	1.28	5.287	32.20		1.013		YES			0.275	
44	44 PCB-62			NO	1.13	5.287	32.31		1.016		YES			0.312	
45	45 PCB-44	2.46e4	0.71	NO	0.824	5.287	32.66	32.64	1.027	1.026	NO	53.42		0.427	53.42
46	46 PCB-42/59	1.04e4	0.82	NO	1.05	5.287	32.89	32.88	1.034	1.034	NO	17.69		0.336	17.69
47	47 PCB-41/64/71/72	3.01e4	0.77	NO	1.19	5.287	33.49	33.48	1.053	1.053	NO	45.29		0.297	45.29
48	48 PCB-68	1.44e3	0.80	NO	1.28	5.287	33.74	33.74	1.061	1.061	NO	2.021		0.276	2.021
49	49 PCB-40	3.22e3	0.80	NO	0.602	5.287	33.97	33.96	1.068	1.068	NO	9.563		0.585	9.563
50	50 PCB-57			NO	1.16	5.287	34.32		0.969		YES			0.281	
51	51 PCB-67			NO	1.08	5.287	34.64		0.978		YES			0.302	
52	52 PCB-58			NO	1.20	5.287	34.76		0.982		YES			0.272	
53	53 PCB-63			NO	1.07	5.287	34.91		0.986		YES			0.305	
54	54 PCB-74	1.24e4	0.77	NO	1.19	5.287	35.22	35.23	0.994	0.995	NO	20.56		0.276	20.56
55	55 PCB-61/70	4.24e4	0.73	NO	1.05	5.287	35.43	35.43	1.000	1.001	NO	79.25		0.310	79.25
56	56 PCB-76/66	3.89e4	0.77	NO	1.16	5.287	35.62	35.66	1.006	1.007	NO	65.84		0.281	65.84
57	57 PCB-80			NO	1.19	5.287	35.86		1.001		YES			0.221	
58	58 PCB-55	6.53e2	0.81	NO	1.17	5.287	36.18	36.16	1.010	1.009	NO	0.8271		0.224	0.8271
59	59 PCB-56/60	2.00e4	0.78	NO	1.02	5.287	36.70	36.70	1.024	1.024	NO	29.05		0.257	29.05
60	60 PCB-79	1.20e3	0.81	NO	1.14	5.287	37.80	37.83	1.055	1.056	NO	1.563		0.230	1.563
61	61 PCB-78			NO	1.14	5.287	38.52		0.987		YES			0.237	
62	62 PCB-81	2.72e2	0.71	NO	1.05	5.287	39.06	39.10	1.030	1.001	NO	0.3866		0.257	0.3866
63	63 PCB-77	3.51e3	0.83	NO	1.14	5.287	39.68	39.67	1.000	1.000	NO	4.746		0.244	4.746

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#	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	5.287	32.51		1.001		YES			0.283	
65	65 PCB-96			NO	1.15	5.287	33.83		1.041		YES			0.275	
66	66 PCB-103	1.79e3	2.71	YES	0.936	5.287	34.40	34.37	1.059	1.058	NO	5.516		0.339	3.812
67	67 PCB-100	7.42e2	1.35	NO	0.954	5.287	34.75	34.76	1.069	1.070	NO	2.245		0.333	2.245
68	68 PCB-94	4.11e2	1.78	NO	0.949	5.287	35.19	35.21	0.985	0.986	NO	1.522		0.417	1.522
69	69 PCB-95/98/102	3.58e4	1.56	NO	1.20	5.287	35.67	35.75	0.999	1.001	NO	104.3		0.329	104.3
70	70 PCB-93			NO	0.935	5.287	35.79		1.002		YES			0.423	
71	71 PCB-88/91	7.01e3	1.65	NO	1.06	5.287	36.14	36.16	1.012	1.013	NO	23.12		0.372	23.12
72	72 PCB-121			NO	1.71	5.287	36.23		1.015		YES			0.232	
73	73 PCB-84/92	1.75e4	1.44	NO	1.02	5.287	37.10	37.09	0.990	0.990	NO	62.22		0.402	62.22
74	74 PCB-89	4.15e2	1.52	NO	1.11	5.287	37.27	37.27	0.995	0.995	NO	1.360		0.370	1.360
75	75 PCB-90/101	4.56e4	1.56	NO	1.12	5.287	37.48	37.48	1.000	1.000	NO	147.2		0.364	147.2
76	76 PCB-113			NO	1.51	5.287	37.72		1.007		YES			0.270	
77	77 PCB-99	2.16e4	1.63	NO	1.32	5.287	37.81	37.81	1.009	1.009	NO	59.35		0.309	59.35
78	78 PCB-119	2.76e3	1.44	NO	1.81	5.287	38.30	38.30	0.987	0.987	NO	6.089		0.252	6.089
79	79 PCB-108/112	1.84e3	1.37	NO	1.44	5.287	38.46	38.47	0.991	0.991	NO	5.065		0.315	5.065
80	80 PCB-83			NO	1.83	5.287	38.61		0.995		YES			0.248	
81	81 PCB-97	9.79e3	1.63	NO	1.28	5.287	38.82	38.82	1.000	1.000	NO	30.44		0.355	30.44
82	82 PCB-86			NO	1.12	5.287	38.97		1.004		YES			0.407	
83	83 PCB-87/117/125	1.35e4	1.67	NO	1.56	5.287	39.12	39.12	1.008	1.008	NO	34.42		0.292	34.42
84	84 PCB-111/115	5.83e2	1.35	NO	1.91	5.287	39.27	39.27	1.012	1.012	NO	1.217		0.238	1.217
85	85 PCB-85/116	5.34e3	1.56	NO	1.41	5.287	39.40	39.38	1.015	1.015	NO	15.11		0.322	15.11
86	86 PCB-120			NO	2.01	5.287	39.66		1.022		YES			0.227	
87	87 PCB-110	5.41e4	1.63	NO	1.74	5.287	39.79	39.79	1.026	1.025	NO	123.8		0.261	123.8
88	88 PCB-82	2.86e3	1.72	NO	0.781	5.287	40.44	40.44	0.976	0.976	NO	10.68		0.425	10.68
89	89 PCB-124	1.91e3	1.76	NO	1.40	5.287	41.15	41.13	0.993	0.992	NO	4.003		0.238	4.003
90	90 PCB-107/109	3.80e3	1.62	NO	1.34	5.287	41.29	41.31	0.996	0.997	NO	8.269		0.247	8.269
91	91 PCB-123	5.58e2	1.48	NO	1.20	5.287	41.46	41.44	1.000	1.000	NO	1.360		0.277	1.360
92	92 PCB-106/118	3.79e4	1.68	NO	1.22	5.287	41.67	41.65	1.001	1.000	NO	86.77		0.267	86.77
93	93 PCB-114	1.01e3	1.12	YES	1.14	5.287	42.33	42.34	1.000	1.001	NO	1.465		0.330	1.272
94	94 PCB-122	4.94e2	1.56	NO	0.944	5.287	42.47	42.47	1.004	1.004	NO	0.8706		0.399	0.8706
95	95 PCB-105	1.68e4	1.52	NO	1.05	5.287	43.21	43.23	1.000	1.001	NO	26.24		0.359	26.24
96	96 PCB-127			NO	1.06	5.287	43.57		1.000		YES			0.329	

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#	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	5.287	45.52		1.000		YES			0.349	
98	98 PCB-155			NO	1.04	5.287	37.00		1.000		YES			0.338	
99	99 PCB-150	1.98e2	1.79	YES	1.08	5.287	38.32	38.30	1.036	1.036	NO	1.101		0.326	0.8822
100	1... PCB-152			NO	1.19	5.287	38.80		1.049		YES			0.298	
101	1... PCB-145			NO	1.19	5.287	39.27		1.062		YES			0.297	
102	1... PCB-136	6.22e3	1.42	NO	1.02	5.287	39.60	39.60	1.071	1.071	NO	36.65		0.346	36.65
103	1... PCB-148			NO	0.842	5.287	39.71		1.074		YES			0.420	
104	1... PCB-154	8.41e2	1.14	NO	0.919	5.287	40.22	40.21	1.088	1.088	NO	5.501		0.384	5.501
105	1... PCB-151	7.82e3	1.19	NO	0.787	5.287	40.88	40.87	1.105	1.105	NO	59.75		0.449	59.75
106	1... PCB-135	4.40e3	1.37	NO	0.922	5.287	41.09	41.09	1.111	1.111	NO	28.67		0.383	28.67
107	1... PCB-144	1.11e3	0.98	YES	0.789	5.287	41.20	41.20	1.114	1.114	NO	8.487		0.448	7.586
108	1... PCB-147	4.97e2	1.94	YES	0.834	5.287	41.33	41.35	1.118	1.118	NO	3.582		0.423	2.730
109	1... PCB-139/149	2.64e4	1.31	NO	0.948	5.287	41.62	41.61	1.125	1.125	NO	167.3		0.373	167.3
110	1... PCB-140			NO	0.794	5.287	41.80		1.130		YES			0.445	
111	1... PCB-134/143	3.72e3	1.16	NO	0.759	5.287	42.28	42.27	0.975	0.975	NO	9.387		0.283	9.387
112	1... PCB-131/133	2.50e3	1.28	NO	0.821	5.287	42.58	42.57	0.982	0.982	NO	5.835		0.261	5.835
113	1... PCB-142			NO	0.754	5.287	42.72		0.985		YES			0.284	
114	1... PCB-146/165	1.87e4	1.20	NO	1.02	5.287	42.97	42.97	0.991	0.991	NO	35.22		0.211	35.22
115	1... PCB-132/161	2.37e4	1.21	NO	1.02	5.287	43.20	43.25	0.996	0.997	NO	44.33		0.209	44.33
116	1... PCB-153	9.82e4	1.20	NO	1.07	5.287	43.38	43.38	1.000	1.000	NO	175.7		0.200	175.7
117	1... PCB-168	1.79e2	1.10	NO	1.08	5.287	43.61	43.63	1.006	1.006	NO	0.3177		0.199	0.3177
118	1... PCB-141	1.53e4	1.25	NO	1.03	5.287	44.14	44.16	1.000	1.001	NO	34.06		0.262	34.06
119	1... PCB-137	2.25e3	1.34	NO	1.11	5.287	44.54	44.56	1.010	1.010	NO	4.651		0.242	4.651
120	1... PCB-130	4.14e3	1.25	NO	0.885	5.287	44.64	44.65	1.012	1.012	NO	10.73		0.303	10.73
121	1... PCB-138/163/164	9.35e4	1.23	NO	1.28	5.287	45.03	45.03	1.001	1.001	NO	157.3		0.190	157.3
122	1... PCB-158/160	8.89e3	1.15	NO	1.24	5.287	45.28	45.26	1.006	1.006	NO	15.48		0.196	15.48
123	1... PCB-129	2.06e3	1.05	NO	0.867	5.287	45.54	45.53	1.012	1.012	NO	5.136		0.281	5.136
124	1... PCB-166			NO	1.14	5.287	46.02		0.993		YES			0.188	
125	1... PCB-159			NO	1.22	5.287	46.36		1.000		YES			0.177	
126	1... PCB-128/162	9.35e3	1.25	NO	0.907	5.287	46.65	46.62	1.007	1.006	NO	18.60		0.237	18.60
127	1... PCB-167	3.23e3	1.28	NO	1.11	5.287	47.06	47.06	1.000	1.000	NO	5.362		0.186	5.362
128	1... PCB-156	7.79e3	1.18	NO	1.13	5.287	48.39	48.39	1.000	1.000	NO	12.63		0.189	12.63
129	1... PCB-157	1.26e3	1.36	NO	1.04	5.287	48.67	48.65	1.001	1.000	NO	2.248		0.204	2.248

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#	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	5.287	50.93		1.000		YES			0.192	
131	1... PCB-188			NO	1.29	5.287	43.02		1.001		YES			0.263	
132	1... PCB-184			NO	1.23	5.287	43.45		1.011		YES			0.275	
133	1... PCB-179	1.65e4	1.07	NO	1.30	5.287	44.28	44.27	1.030	1.030	NO	35.09		0.261	35.09
134	1... PCB-176	4.75e3	1.18	NO	1.31	5.287	44.74	44.75	1.041	1.041	NO	10.01		0.259	10.01
135	1... PCB-186			NO	1.33	5.287	45.37		1.055		YES			0.255	
136	1... PCB-178	5.62e3	0.95	NO	0.943	5.287	45.89	45.89	1.067	1.067	NO	16.45		0.359	16.45
137	1... PCB-175	1.05e3	1.16	NO	0.956	5.287	46.24	46.25	1.076	1.076	NO	3.023		0.354	3.023
138	1... PCB-182/187	3.66e4	1.03	NO	1.07	5.287	46.42	46.42	1.080	1.080	NO	94.70		0.318	94.70
139	1... PCB-183	1.49e4	1.04	NO	1.02	5.287	46.76	46.76	1.088	1.088	NO	40.22		0.331	40.22
140	1... PCB-185	3.15e3	1.07	NO	1.41	5.287	47.44	47.44	0.955	0.955	NO	8.823		0.349	8.823
141	1... PCB-174	2.09e4	1.05	NO	1.35	5.287	47.82	47.80	0.962	0.962	NO	60.85		0.362	60.85
142	1... PCB-181			NO	1.47	5.287	47.91		0.964		YES			0.333	
143	1... PCB-177	1.33e4	1.12	NO	1.28	5.287	48.08	48.08	0.968	0.968	NO	40.87		0.384	40.87
144	1... PCB-171	6.42e3	1.12	NO	1.32	5.287	48.38	48.39	0.974	0.974	NO	19.18		0.373	19.18
145	1... PCB-173	5.60e2	0.82	YES	1.19	5.287	48.82	48.82	0.983	0.982	NO	1.850		0.412	1.628
146	1... PCB-172	3.87e3	1.21	YES	1.38	5.287	49.30	49.30	0.992	0.992	NO	11.08		0.357	10.25
147	1... PCB-192			NO	1.83	5.287	49.48		0.996		YES			0.269	
148	1... PCB-180	5.51e4	1.05	NO	1.41	5.287	49.71	49.71	1.000	1.000	NO	153.4		0.348	153.4
149	1... PCB-193	3.52e3	1.06	NO	1.68	5.287	49.92	49.92	1.005	1.005	NO	8.255		0.293	8.255
150	1... PCB-191	1.15e3	1.11	NO	1.71	5.287	50.18	50.19	1.010	1.010	NO	2.637		0.287	2.637
151	1... PCB-170	2.00e4	1.09	NO	1.40	5.287	51.38	51.38	1.000	1.000	NO	61.83		0.379	61.83
152	1... PCB-190	6.41e3	1.19	NO	1.85	5.287	51.57	51.59	1.004	1.004	NO	15.03		0.287	15.03
153	1... PCB-189	8.97e2	0.89	YES	1.45	5.287	53.09	53.08	1.000	1.000	NO	2.084		0.254	1.921
154	1... PCB-202	2.03e3	1.18	YES	1.17	5.287	48.61	48.61	1.001	1.001	NO	7.644		0.582	6.639
155	1... PCB-201	1.32e3	1.01	NO	1.05	5.287	49.10	49.11	1.011	1.011	NO	5.540		0.657	5.540
156	1... PCB-204			NO	1.14	5.287	49.25		1.014		YES			0.606	
157	1... PCB-197	3.18e2	1.18	YES	1.13	5.287	49.57	49.58	1.020	1.021	NO	1.238		0.671	1.073
158	1... PCB-200	1.39e3	1.06	YES	1.07	5.287	50.50	50.51	1.040	1.040	NO	5.710		0.646	5.239
159	1... PCB-198	3.76e2	1.00	NO	0.794	5.287	52.08	52.08	1.072	1.072	NO	2.088		0.872	2.088
160	1... PCB-199	9.02e3	0.95	NO	0.809	5.287	52.18	52.19	1.074	1.075	NO	49.11		0.855	49.11
161	1... PCB-196/203	1.05e4	0.97	NO	0.838	5.287	52.50	52.50	1.081	1.081	NO	54.97		0.826	54.97
162	1... PCB-195	4.71e3	0.82	NO	1.04	5.287	53.80	53.79	0.984	0.983	NO	14.03		0.355	14.03

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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	1.29e4	0.85	NO	1.12	5.287	54.72	54.72	1.000	1.000	NO	35.97		0.332	35.97
164	1... PCB-205	6.80e2	1.21	YES	1.29	5.287	54.98	54.98	1.005	1.005	NO	1.641		0.228	1.401
165	1... PCB-208	2.13e3	1.24	NO	0.933	5.287	53.94	53.94	1.000	1.000	NO	5.080		0.177	5.080
166	1... PCB-207	1.16e3	1.17	NO	0.916	5.287	54.26	54.28	1.006	1.007	NO	2.815		0.181	2.815
167	1... PCB-206	5.34e3	1.30	NO	1.01	5.287	56.24	56.24	1.000	1.000	NO	17.09		0.226	17.09
168	1... PCB-209	2.54e3	1.30	NO	0.986	5.287	57.47	57.48	1.000	1.000	NO	8.683		0.165	8.683
169	1... 13C-PCB-1	1.26e6	3.21	NO	0.893	5.287	15.52	15.56	0.608	0.609	NO	1742	92.1	1.86	
170	1... 13C-PCB-3	1.37e6	3.24	NO	0.911	5.287	18.17	18.21	0.712	0.713	NO	1860	98.3	1.82	
171	1... 13C-PCB-4	8.05e5	1.56	NO	0.600	5.287	19.52	19.54	0.765	0.765	NO	1652	87.4	0.867	
172	1... 13C-PCB-9	1.33e6	1.56	NO	0.970	5.287	21.36	21.39	0.836	0.838	NO	1694	89.6	0.536	
173	1... 13C-PCB-11	1.42e6	1.52	NO	0.962	5.287	24.80	24.82	0.971	0.972	NO	1817	96.1	0.541	
174	1... 13C-PCB-19	8.12e5	1.08	NO	0.499	5.287	23.77	23.77	0.931	0.931	NO	2006	106	9.24	
175	1... 13C-PCB-32	1.21e6	1.07	NO	0.744	5.287	26.76	26.75	1.048	1.048	NO	2002	106	6.20	
176	1... 13C-PCB-28	1.52e6	1.01	NO	1.06	5.287	28.77	28.77	1.004	1.004	NO	1859	98.3	5.36	
177	1... 13C-PCB-37	1.52e6	1.02	NO	0.989	5.287	32.75	32.79	1.143	1.144	NO	1998	106	5.76	
178	1... 13C-PCB-54	1.13e6	0.79	NO	0.999	5.287	27.62	27.62	0.753	0.753	NO	1775	93.8	1.24	
179	1... 13C-PCB-52	9.55e5	0.79	NO	0.804	5.287	31.26	31.26	0.852	0.852	NO	1861	98.4	1.55	
180	1... 13C-PCB-47	1.06e6	0.78	NO	0.857	5.287	31.78	31.80	0.866	0.867	NO	1934	102	1.45	
181	1... 13C-PCB-70	9.60e5	0.78	NO	0.996	5.287	35.41	35.41	0.965	0.966	NO	1511	79.9	1.25	
182	1... 13C-PCB-80	1.28e6	0.80	NO	1.03	5.287	35.84	35.84	0.977	0.977	NO	1948	103	1.21	
183	1... 13C-PCB-81	1.27e6	0.78	NO	0.988	5.287	39.04	39.04	1.064	1.064	NO	2020	107	1.26	
184	1... 13C-PCB-77	1.23e6	0.80	NO	0.969	5.287	39.66	39.66	1.081	1.081	NO	1988	105	1.28	
185	1... 13C-PCB-104	6.56e5	1.56	NO	1.02	5.287	32.46	32.49	0.827	0.828	NO	1897	100	0.988	
186	1... 13C-PCB-95	5.38e5	1.58	NO	0.805	5.287	35.71	35.71	0.910	0.910	NO	1967	104	1.25	
187	1... 13C-PCB-101	5.22e5	1.65	NO	0.793	5.287	37.46	37.46	0.954	0.954	NO	1938	102	1.27	
188	1... 13C-PCB-97	4.74e5	1.64	NO	0.696	5.287	38.80	38.80	0.989	0.989	NO	2004	106	1.44	
189	1... 13C-PCB-123	6.48e5	1.63	NO	0.933	5.287	41.44	41.44	1.056	1.056	NO	2043	108	1.08	
190	1... 13C-PCB-118	6.78e5	1.64	NO	0.986	5.287	41.63	41.63	1.061	1.061	NO	2024	107	1.02	
191	1... 13C-PCB-114	1.14e6	1.57	NO	1.55	5.287	42.30	42.31	0.908	0.908	NO	1925	102	1.11	
192	1... 13C-PCB-105	1.15e6	1.55	NO	1.57	5.287	43.19	43.19	0.927	0.927	NO	1915	101	1.09	
193	1... 13C-PCB-127	1.22e6	1.54	NO	1.62	5.287	43.55	43.56	0.934	0.935	NO	1966	104	1.05	
194	1... 13C-PCB-126	1.09e6	1.58	NO	1.57	5.287	45.51	45.51	0.976	0.976	NO	1826	96.5	1.09	
195	1... 13C-PCB-155	3.15e5	1.33	NO	0.615	5.287	36.98	36.98	0.942	0.942	NO	1506	79.6	0.423	



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#	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	9.87e5	1.27	NO	1.36	5.287	43.36	43.37	0.930	0.930	NO	1894	100	1.17	
197	1... 13C-PCB-141	8.25e5	1.27	NO	1.13	5.287	44.13	44.12	0.947	0.947	NO	1917	101	1.42	
198	1... 13C-PCB-138	8.76e5	1.26	NO	1.18	5.287	44.99	44.99	0.965	0.965	NO	1937	102	1.35	
199	1... 13C-PCB-159	1.05e6	1.28	NO	1.44	5.287	46.32	46.34	0.994	0.994	NO	1906	101	1.11	
200	2... 13C-PCB-167	1.03e6	1.26	NO	1.44	5.287	47.02	47.04	1.009	1.009	NO	1872	99.0	1.11	
201	2... 13C-PCB-156	1.04e6	1.28	NO	1.40	5.287	48.34	48.37	1.037	1.038	NO	1941	103	1.14	
202	2... 13C-PCB-157	1.02e6	1.27	NO	1.40	5.287	48.63	48.63	1.043	1.043	NO	1914	101	1.14	
203	2... 13C-PCB-169	1.00e6	1.28	NO	1.33	5.287	50.91	50.91	1.092	1.092	NO	1973	104	1.20	
204	2... 13C-PCB-188	6.85e5	0.46	NO	1.41	5.287	42.99	42.99	0.926	0.926	NO	1929	102	0.888	
205	2... 13C-PCB-180	4.81e5	0.45	NO	0.929	5.287	49.69	49.69	1.070	1.070	NO	2055	109	1.35	
206	2... 13C-PCB-170	4.36e5	0.45	NO	0.794	5.287	51.37	51.36	1.106	1.106	NO	2178	115	1.58	
207	2... 13C-PCB-189	5.58e5	0.45	NO	1.04	5.287	53.11	53.06	1.144	1.143	NO	2119	112	1.20	
208	2... 13C-PCB-202	4.29e5	0.97	NO	1.04	5.287	48.59	48.58	1.046	1.046	NO	1646	87.0	1.00	
209	2... 13C-PCB-194	6.08e5	0.90	NO	0.768	5.287	54.72	54.70	0.995	0.995	NO	2025	107	2.24	
210	2... 13C-PCB-208	8.48e5	0.77	NO	0.991	5.287	53.95	53.93	0.981	0.981	NO	2192	116	1.16	
211	2... 13C-PCB-206	5.87e5	0.79	NO	0.552	5.287	56.24	56.22	1.023	1.023	NO	2722	144	2.09	
212	2... 13C-PCB-209	5.60e5	1.22	NO	0.396	5.287	57.49	57.47	1.046	1.045	NO	3620	191	0.627	
213	2... 13C-PCB-15	1.54e6	1.54	NO	1.00	5.287	25.51	25.54	1.000	0.000	NO	1891	100	0.520	
214	2... 13C-PCB-31	1.45e6	1.01	NO	1.00	5.287	28.64	28.66	1.000	0.000	NO	1891	100	5.70	
215	2... 13C-PCB-60	1.21e6	0.79	NO	1.00	5.287	36.66	36.68	1.000	0.000	NO	1891	100	1.24	
216	2... 13C-PCB-111	6.43e5	1.59	NO	1.00	5.287	39.23	39.25	1.000	0.000	NO	1891	100	1.00	
217	2... 13C-PCB-128	7.22e5	1.26	NO	1.00	5.287	46.59	46.60	1.000	0.000	NO	1891	100	1.60	
218	2... 13C-PCB-182	4.77e5	0.46	NO	1.00	5.287	46.40	46.44	0.000	0.000	NO	1891	100	1.25	
219	2... 13C-PCB-205	7.39e5	0.89	NO	1.00	5.287	54.97	54.98	1.000	0.000	NO	1891	100	1.72	
220	2... 13C-PCB-79	1.35e6	0.80	NO	1.07	5.287	37.78	37.78	1.030	1.030	NO	1977	105	1.16	
221	2... 13C-PCB-178	4.75e5	0.46	NO	0.766	5.287	45.88	45.87	0.988	0.988	NO	1625	85.9	1.10	
222	2... 13C-PCB-79	1.35e6	0.80	NO	1.08	5.287	37.78	37.78	0.968	0.968	NO	1851	97.9	1.09	
223	2... 13C-PCB-178	4.75e5	0.46	NO	1.05	5.287	45.87	45.87	0.923	0.923	NO	1780	94.1	1.19	
224	2... Total Mono-PCBs				1.17	5.287	0.00		0.000		NO	6.969		0.702	6.969
225	2... Total Di-PCBs				1.05	5.287	0.00		0.000		NO	25.46		7.02	25.46
226	2... 2nd Function Tri-PCBs				1.08	5.287	0.00		0.000		NO	61.15		2.75	61.15
227	2... 3rd Function Tri-PCBs				0.983	5.287	0.00		0.000		NO	105.4		6.81	105.4
228	2... Total Tetra-PCBs				1.08	5.287	0.00		0.000		NO	557.0		9.98	557.0

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#	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	5.287	0.00		0.000		NO	728.6	> 755.71 -	9.09	732.4
230	2... 4th Function Penta-PCBs				1.07	5.287	0.00		0.000		NO	27.11		1.77	28.38
231	2... 3rd Function Hexa-PCBs				0.951	5.287	0.00		0.000		NO	297.9	> 834.8 -	4.93	309.1
232	2... 4th Function Hexa-PCBs				1.03	5.287	0.00		0.000		NO	536.9		4.49	536.9
233	2... Total Hepta-PCBs				1.36	5.287	0.00		0.000		NO	570.4		7.36	584.2
234	2... 4th Function Octa-PCBs				1.00	5.287	0.00		0.000		NO	111.7	> 164.7	5.67	124.7
235	2... 5th Function Octa-PCBs				1.15	5.287	0.00		0.000		NO	50.00	CT 07/06/20	0.975	51.40
236	2... Total Nona-PCBs				0.952	5.287	0.00		0.000		NO	24.98		0.584	24.98
237	2... Deca-CB				0.986	5.287	0.00		0.000		NO	8.683		0.165	8.683
238	2... Total PCBs														

> 760.78 -  
> 846. -  
> 176.1 -

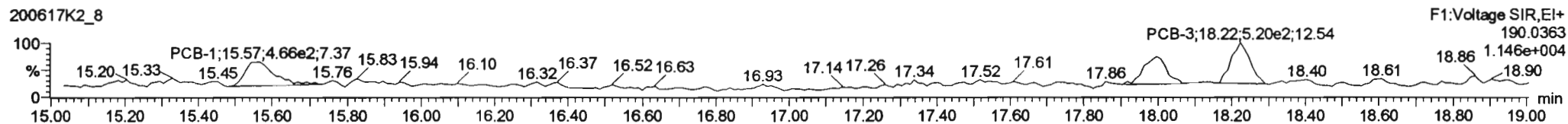
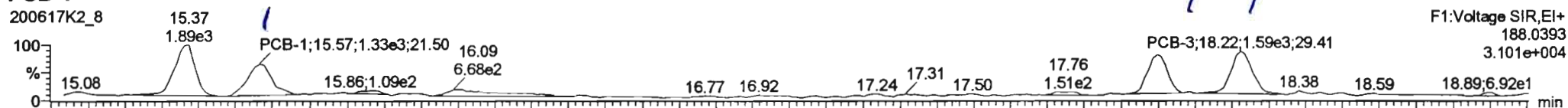
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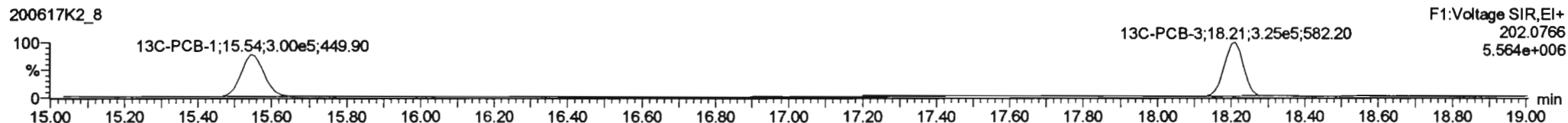
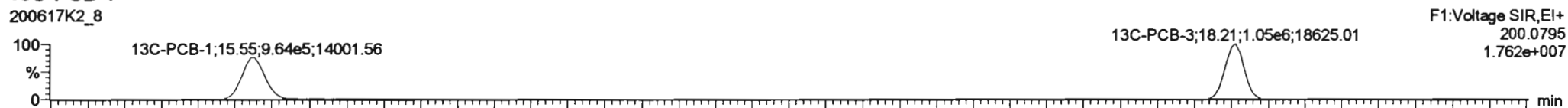
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Name: 200617K2\_8, Date: 18-Jun-2020, Time: 07:38:06, ID: 2001154-03 PDI-174SC-A-00-01-200521 10, Description: PDI-174SC-A-00-01-200521

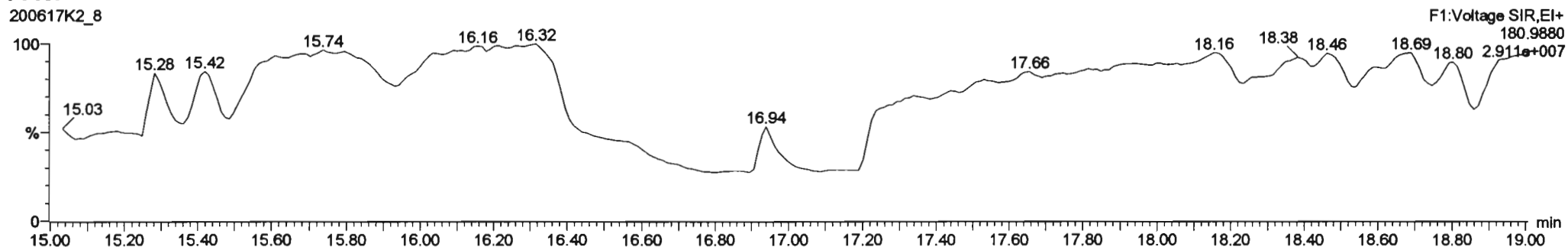
**PCB-1**



**13C-PCB-1**



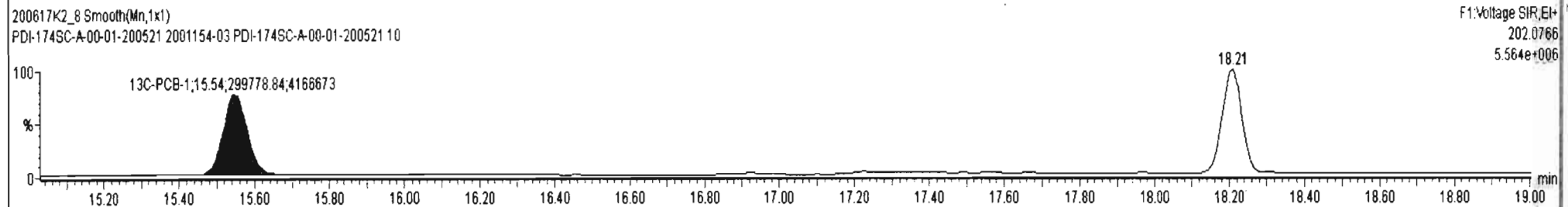
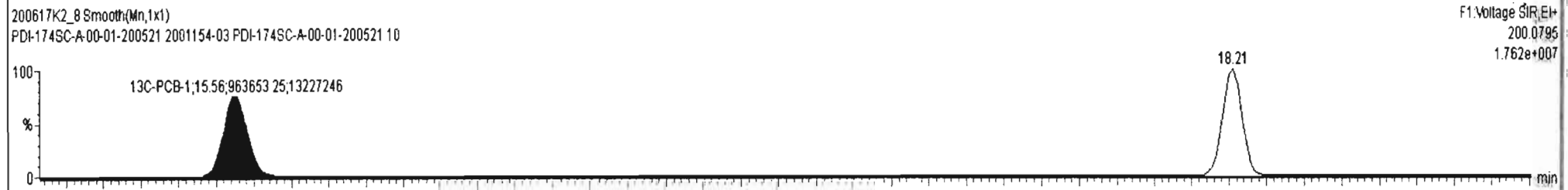
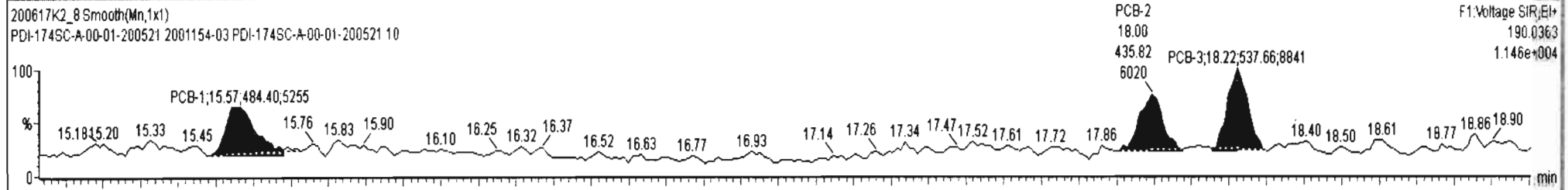
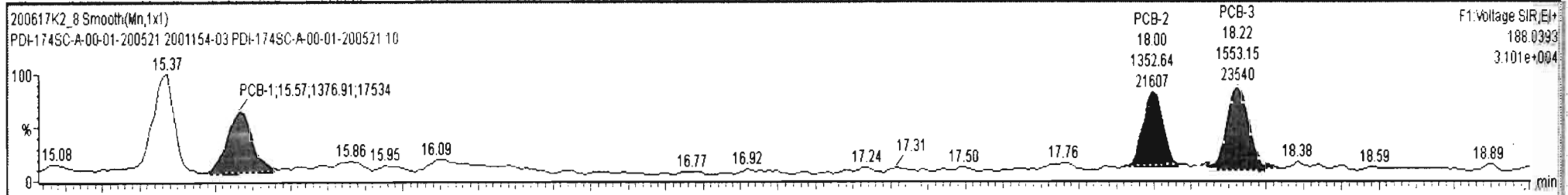
**PFK1**



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.1665	5.287	0.00		0.000		NO	6.969		0.702	6.969

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-1	15.57	15.57	1.377e3	4.844e2	3.130	2.84	NO	2.3849	2.3849
2	PCB-2	17.99	18.00	1.353e3	4.358e2	3.130	3.10	NO	2.0798	2.0798
3	PCB-3	18.22	18.22	1.553e3	5.377e2	3.130	2.89	NO	2.5044	2.5044

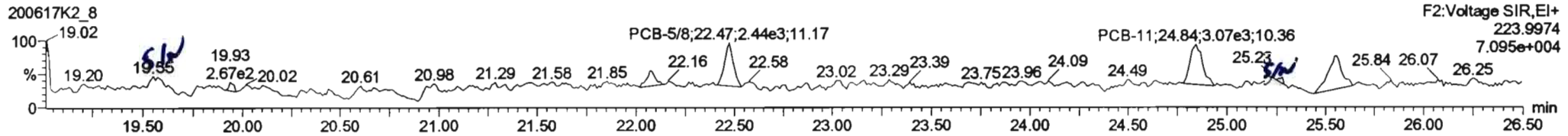
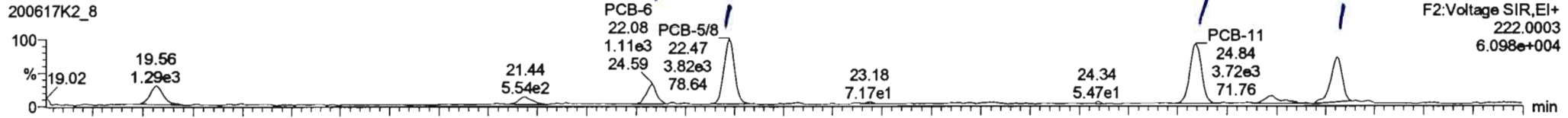


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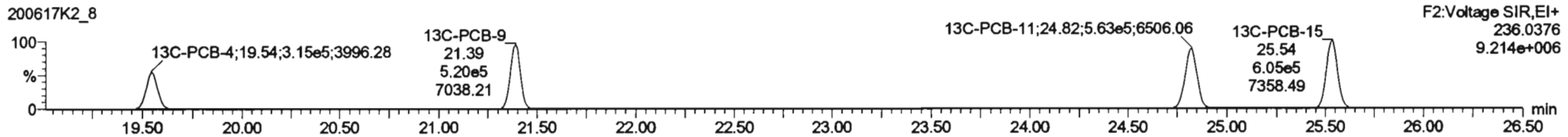
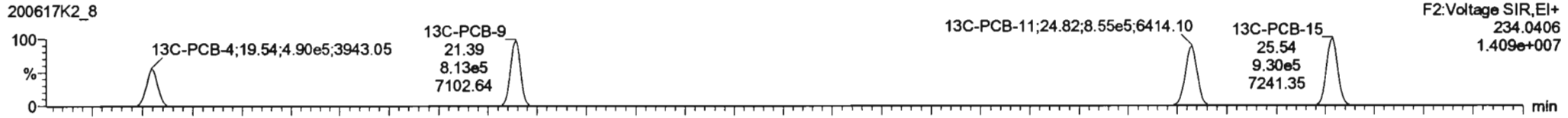
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Name: 200617K2\_8, Date: 18-Jun-2020, Time: 07:38:06, ID: 2001154-03 PDI-174SC-A-00-01-200521 10, Description: PDI-174SC-A-00-01-200521

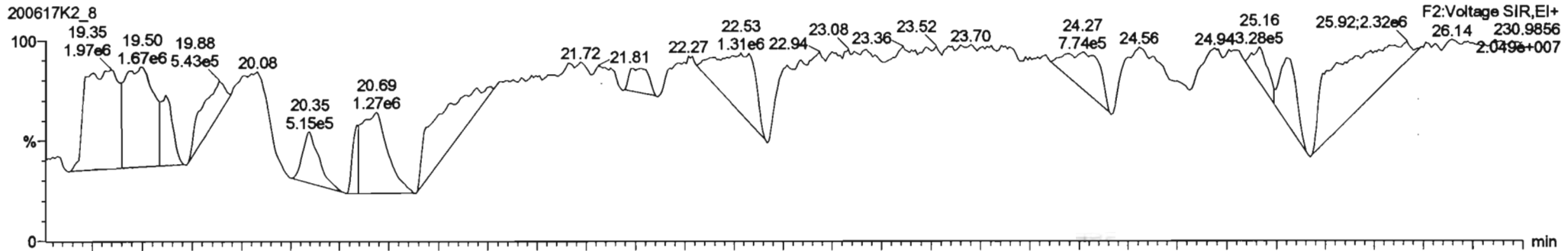
**PCB-4/10**



**13C-PCB-4**



**PFK2a**

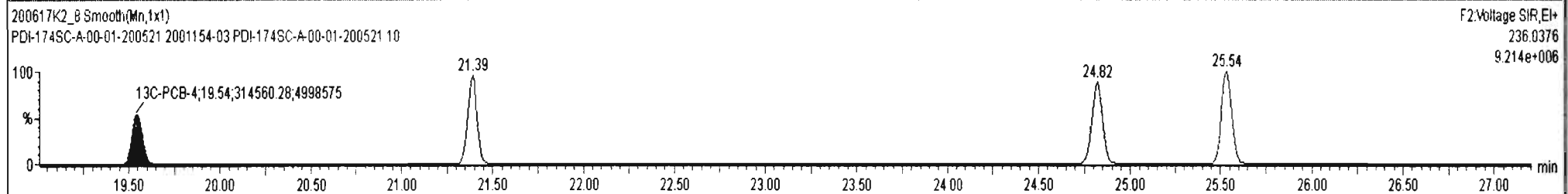
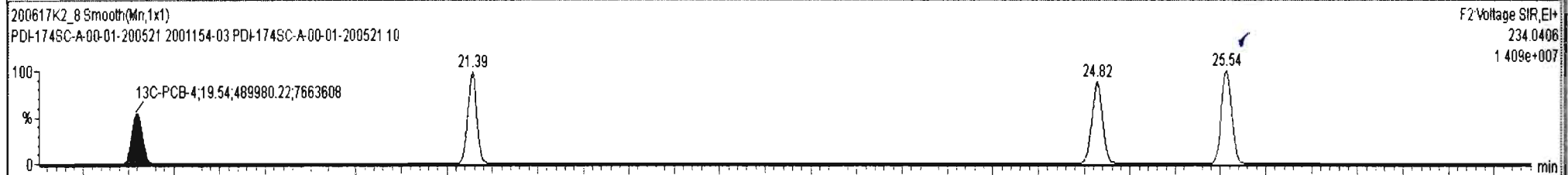
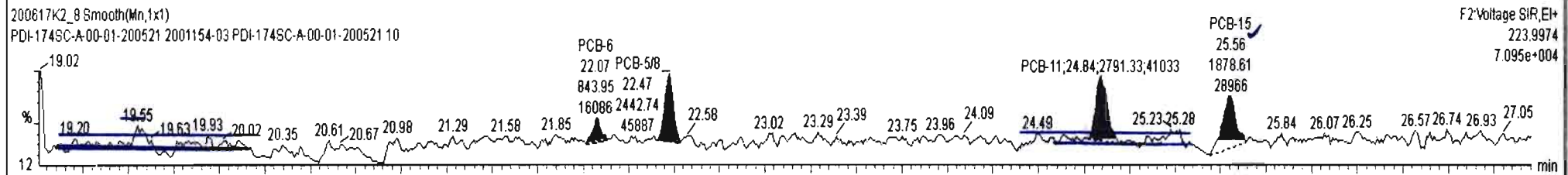
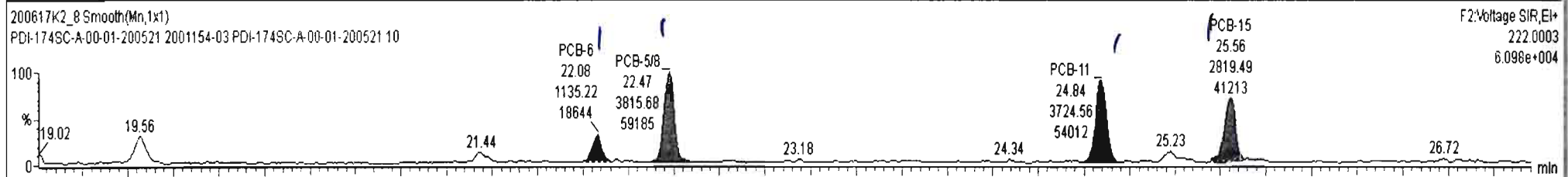


200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wtAvt	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
225	Total Di-PCBs				1.0537	5.267	0.00		0.000		NO	25.46		7.02	25.46
226	2nd Function Tr-PCBs				1.0807	5.267	0.00		0.000		NO	53.75		2.75	60.33

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	6 PCB-6	22.10	22.08	1.135e3	8.439e2	1.560	1.35	NO	2.7434	2.7434
2	7 PCB-5/8	22.51	22.47	3.816e3	2.443e3	1.560	1.56	NO	8.9466	8.9466
3	9 PCB-11	24.84	24.84	3.725e3	2.791e3	1.560	1.33	NO	7.7142	7.7142
4	11 PCB-15	25.59	25.56	2.819e3	1.879e3	1.560	1.50	NO	6.0543	6.0543

early ✓



Dataset: Untitled

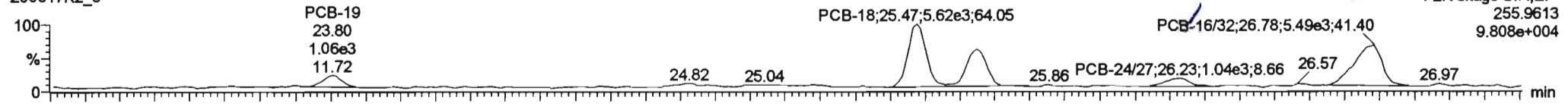
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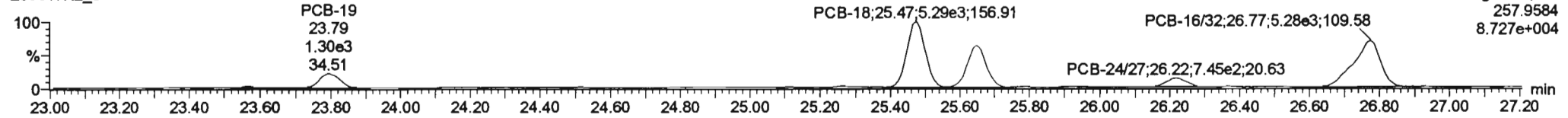
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**PCB-19**

200617K2\_8

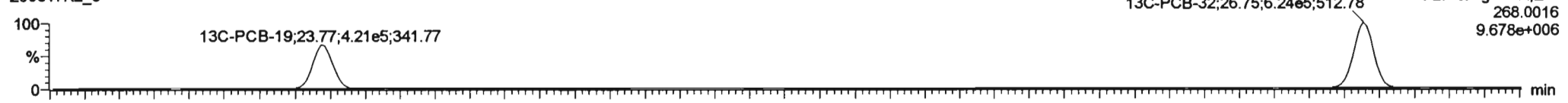


200617K2\_8

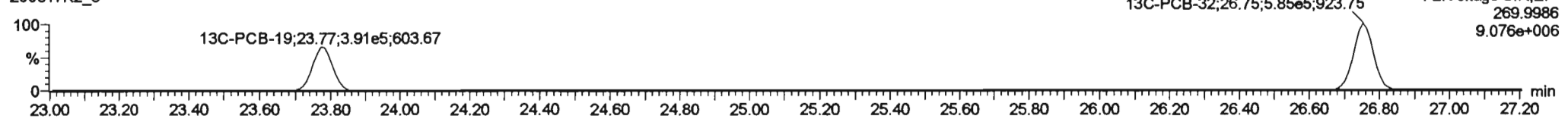


**13C-PCB-19**

200617K2\_8

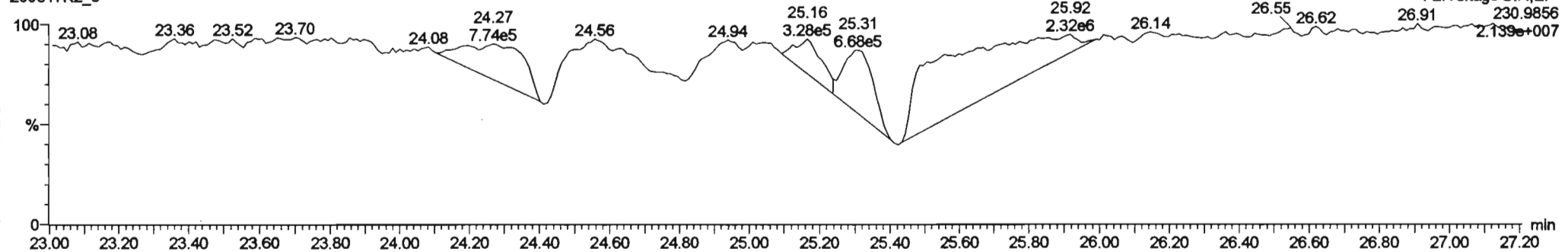


200617K2\_8



**PFK2b**

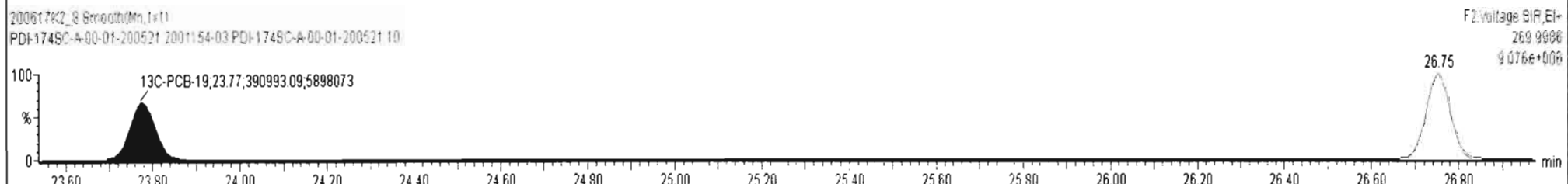
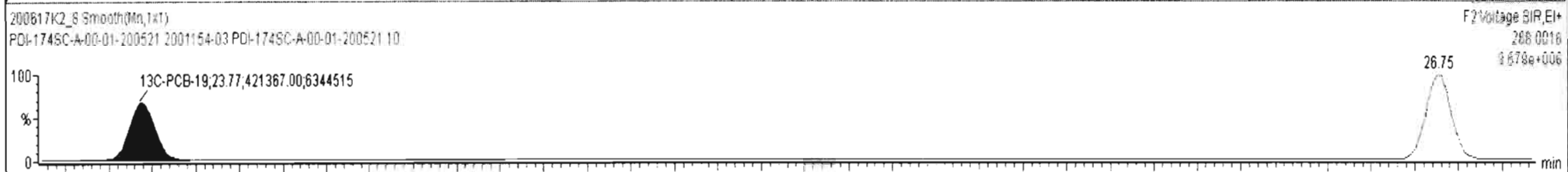
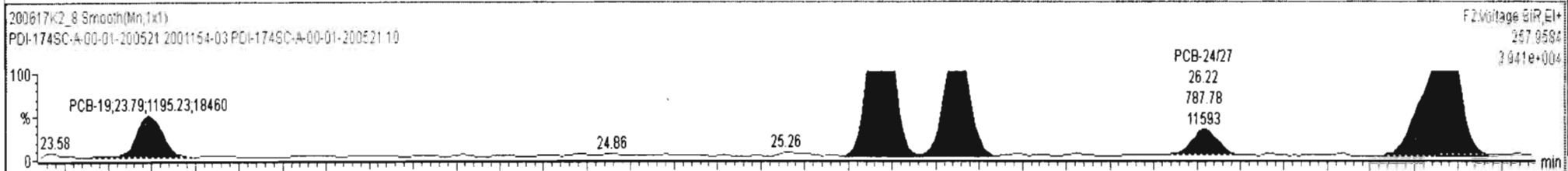
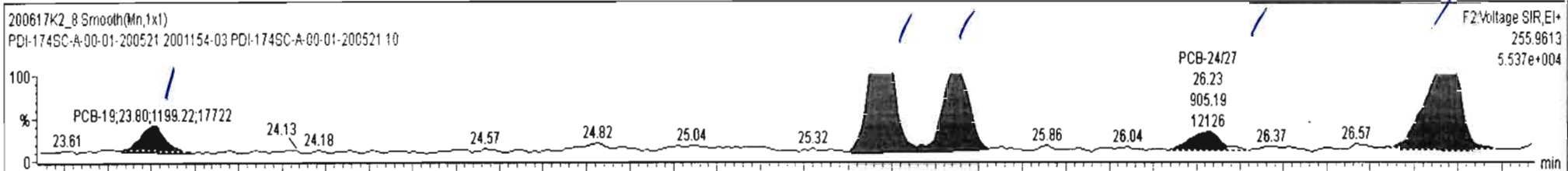
200617K2\_8



200617K2\_8 - 2001154-03 PDI-1745C-A-00-01-200521 10 - PDI-1745C-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
225	Total Di-PCBs				1.0537	5.287	0.00		0.000		NO	25.46		7.02	25.46
226	2nd Function Tri-PCBs				1.0807	5.287	0.00		0.000		NO	61.15		2.75	61.15

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-19	23.80	23.80	1.199e3	1.195e3	1.040	1.00	NO	5.0391	5.0391
2	PCB-18	25.46	25.47	5.625e3	5.294e3	1.040	1.06	NO	20.883	20.883
3	PCB-17	25.63	25.65	3.666e3	3.452e3	1.040	1.06	NO	14.677	14.677
4	PCB-24/27	26.25	26.23	9.052e2	7.878e2	1.040	1.15	NO	2.4468	2.4468
5	PCB-16/32	26.77	26.78	5.376e3	5.339e3	1.040	1.01	NO	18.106	18.106



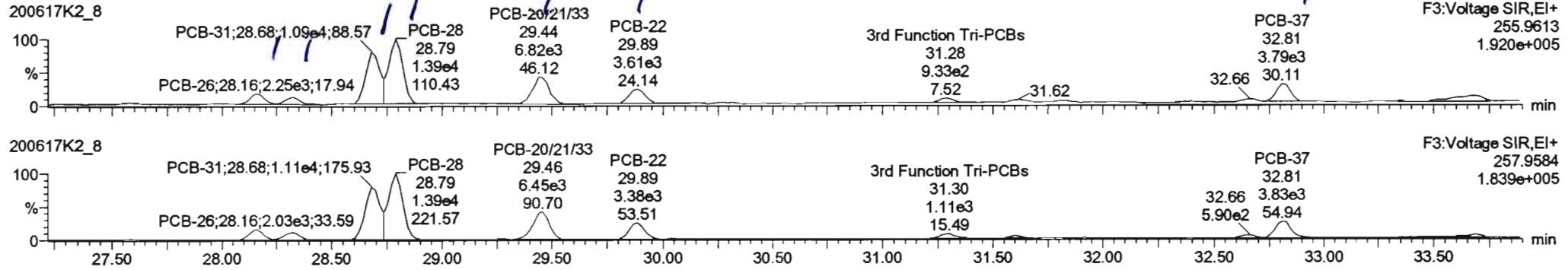


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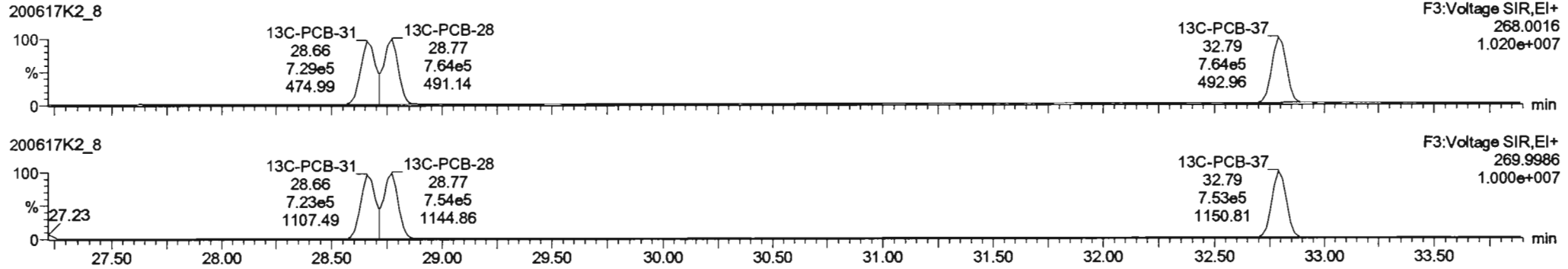
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Name: 200617K2\_8, Date: 18-Jun-2020, Time: 07:38:06, ID: 2001154-03 PDI-174SC-A-00-01-200521 10, Description: PDI-174SC-A-00-01-200521

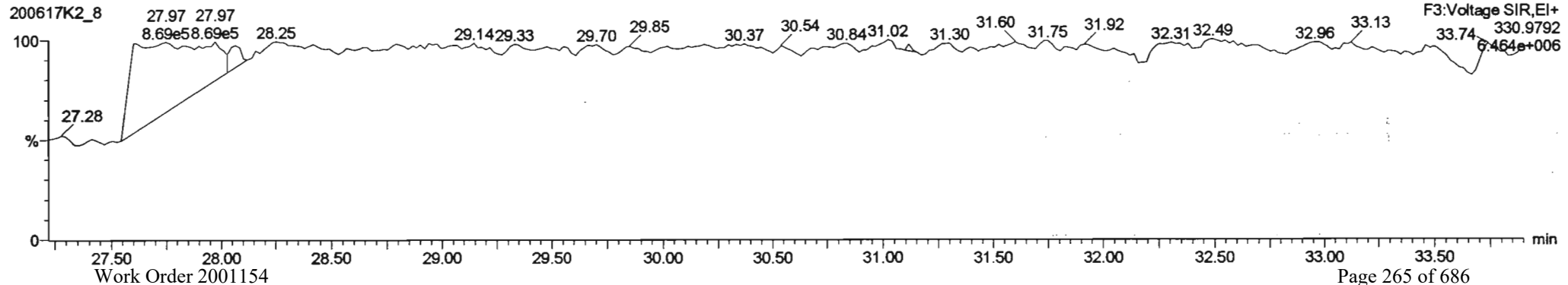
**PCB-34**



**13C-PCB-28**



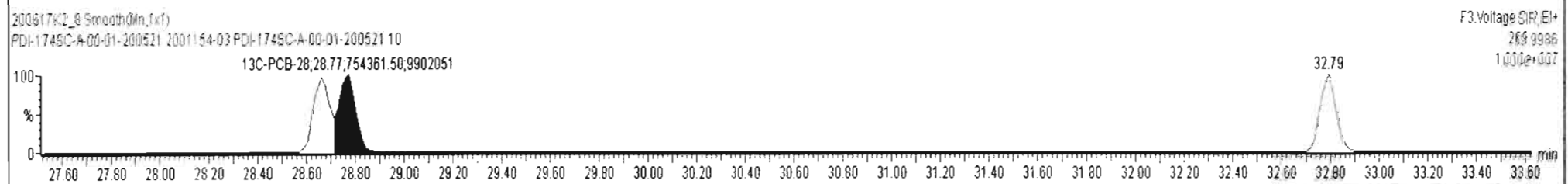
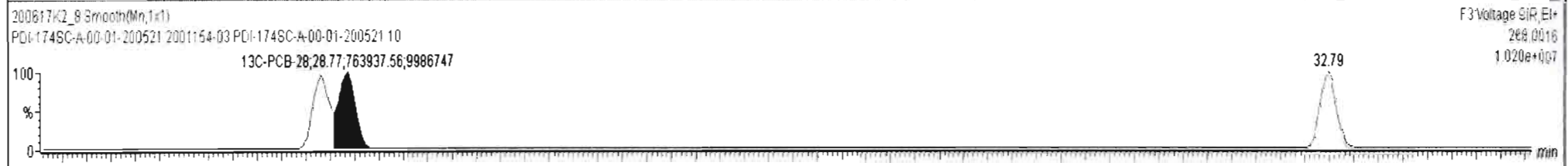
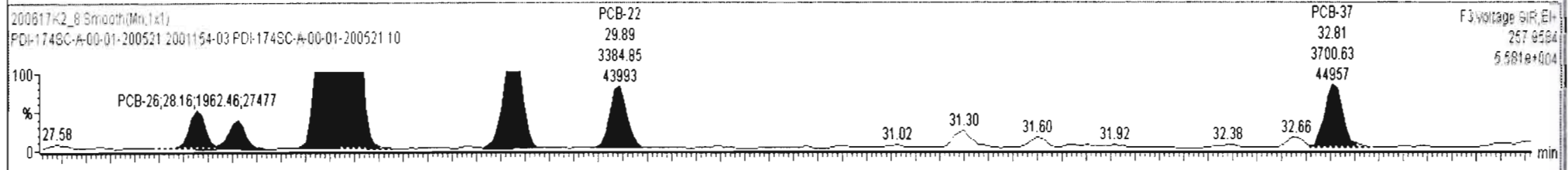
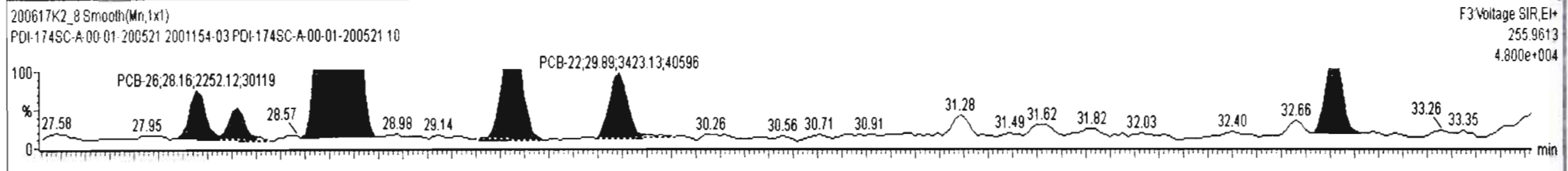
**PFK3d**



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	RfF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	3rd Function Tri-PCBs				0.9828	5.287	0.00		0.000		NO	105.4		6.81	105.4
228	Total Tetra-PCBs				1.0778	5.287	0.00		0.000		NO	556.9		9.98	561.4

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	21 PCB-26	28.16	28.16	2.252e3	1.962e3	1.040	1.15	NO	5.5619	5.5619
2	22 PCB-25	28.31	28.32	1.498e3	1.578e3	1.040	0.95	NO	4.0332	4.0332
3	23 PCB-31	28.68	28.68	1.092e4	1.113e4	1.040	0.98	NO	26.502	26.502
4	24 PCB-28	28.79	28.79	1.389e4	1.387e4	1.040	1.00	NO	33.734	33.734
5	25 PCB-20/21/33	29.43	29.44	6.880e3	6.452e3	1.040	1.07	NO	17.644	17.644
6	26 PCB-22	29.87	29.89	3.423e3	3.385e3	1.040	1.01	NO	8.7171	8.7171
7	31 PCB-37	32.81	32.81	3.790e3	3.701e3	1.040	1.02	NO	9.2561	9.2561

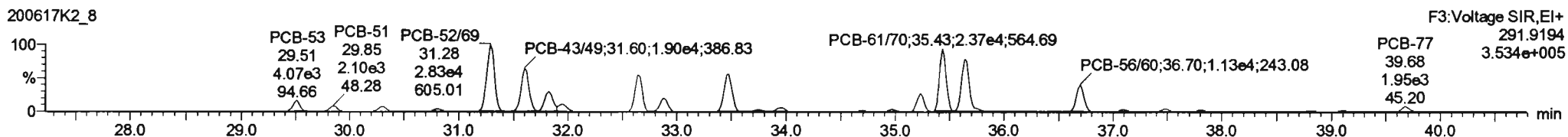
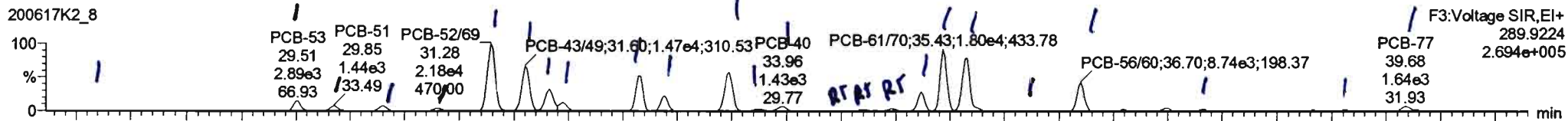


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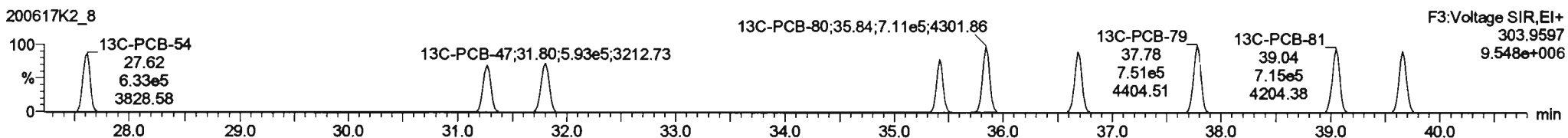
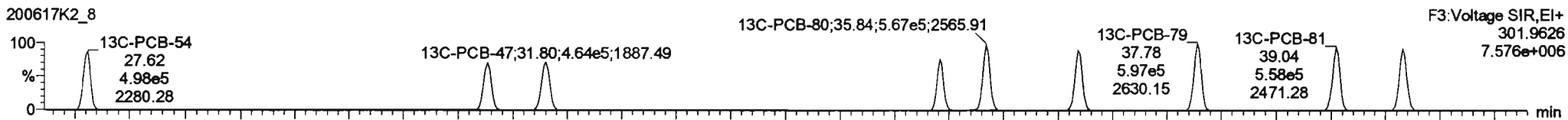
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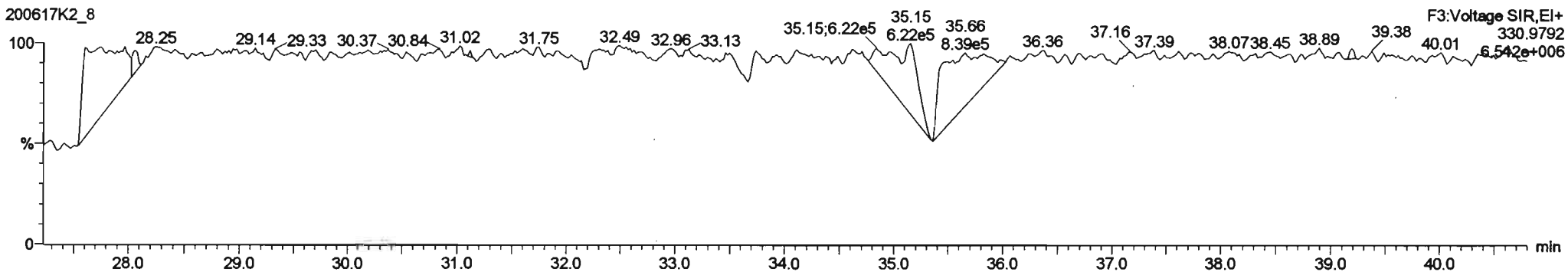
**PCB-54**



**13C-PCB-54**



**PFK3a**



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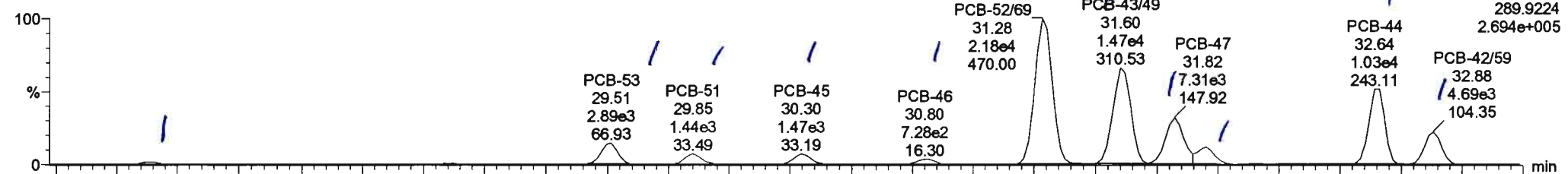
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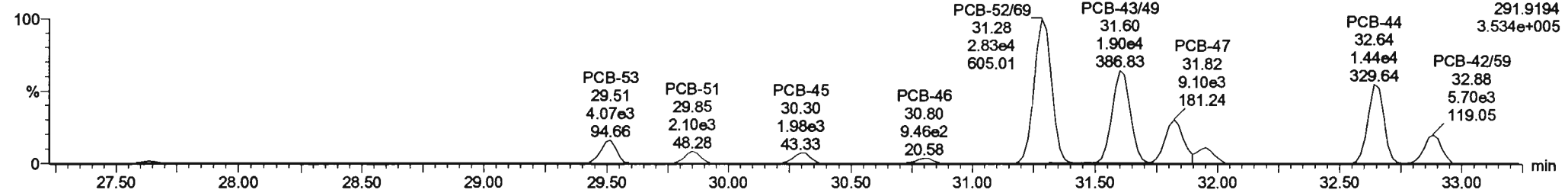
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**PCB-50**

200617K2\_8

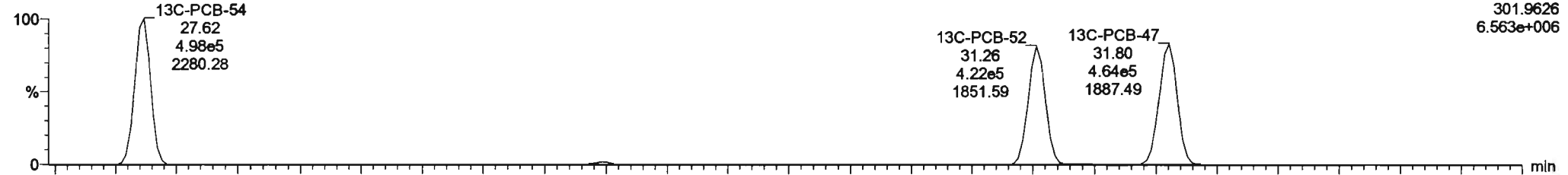


200617K2\_8

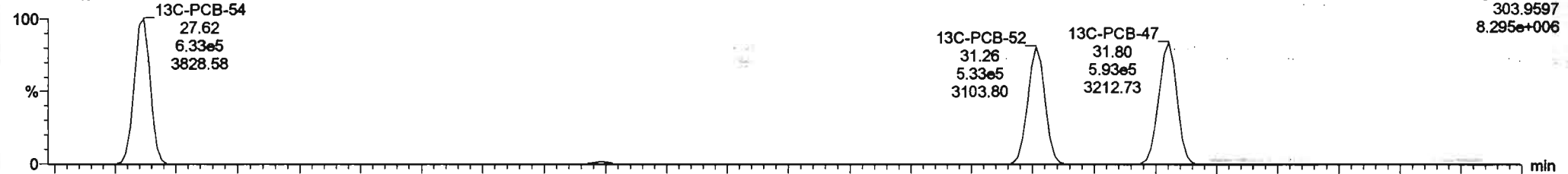


**13C-PCB-52**

200617K2\_8



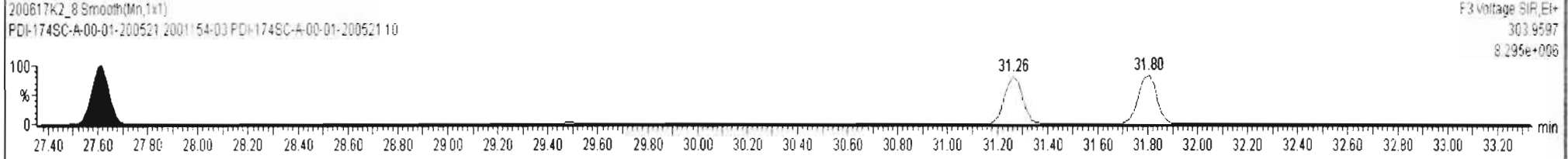
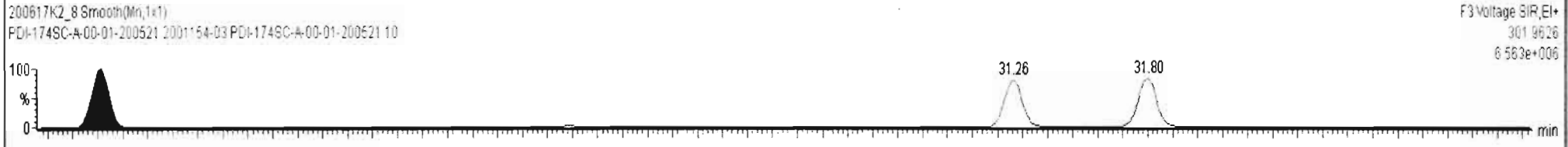
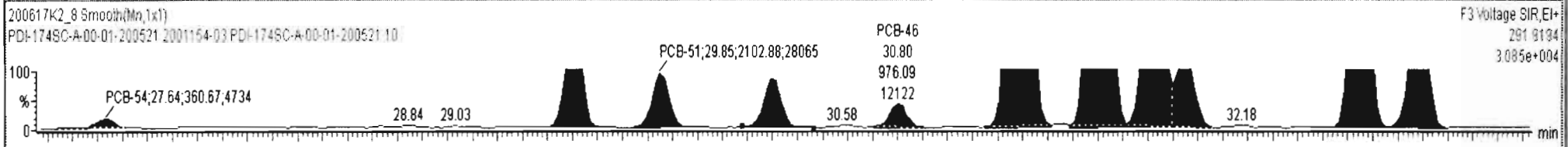
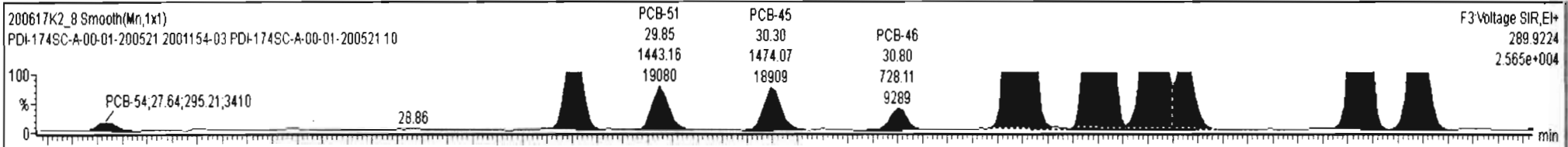
200617K2\_8



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.287	0.00		0.000		NO	558.4		9.98	563.0

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.64	27.64	2.952e2	3.607e2	0.770	0.82	NO	1.0152	1.0152
2	34 PCB-53	29.51	29.51	2.886e3	4.070e3	0.770	0.71	NO	13.821	13.821
3	35 PCB-51	29.85	29.85	1.443e3	2.103e3	0.770	0.69	NO	6.5929	6.5929
4	36 PCB-45	30.30	30.30	1.474e3	1.981e3	0.770	0.74	NO	7.9721	7.9721
5	37 PCB-46	30.80	30.80	7.281e2	9.761e2	0.770	0.75	NO	4.0628	4.0628
6	38 PCB-52/69	31.30	31.28	2.174e4	2.850e4	0.770	0.76	NO	85.294	85.294
7	40 PCB-43/49	31.59	31.60	1.498e4	1.919e4	0.770	0.78	NO	66.606	66.606
8	41 PCB-47	31.82	31.82	7.415e3	9.185e3	0.770	0.81	NO	32.195	32.195
9	42 PCB-48/75	31.93	31.95	2.597e3	3.187e3	0.770	0.81	NO	9.2317	9.2317
10	45 PCB-44	32.66	32.64	1.026e4	1.436e4	0.770	0.71	NO	53.422	53.422
11	46 PCB-42/59	32.89	32.88	4.687e3	5.699e3	0.770	0.82	NO	17.689	17.689

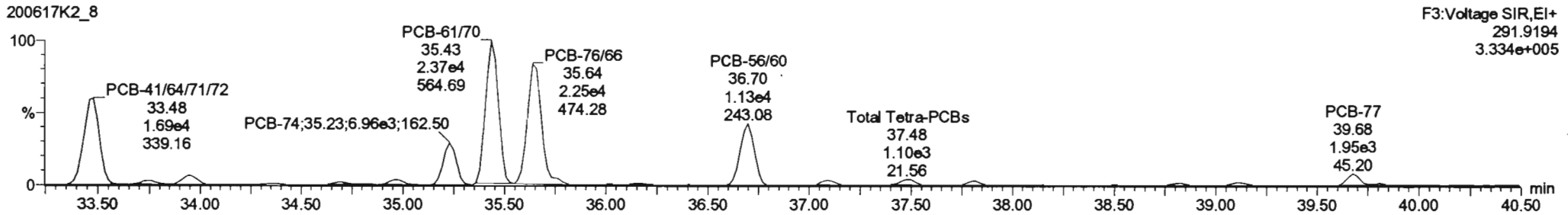
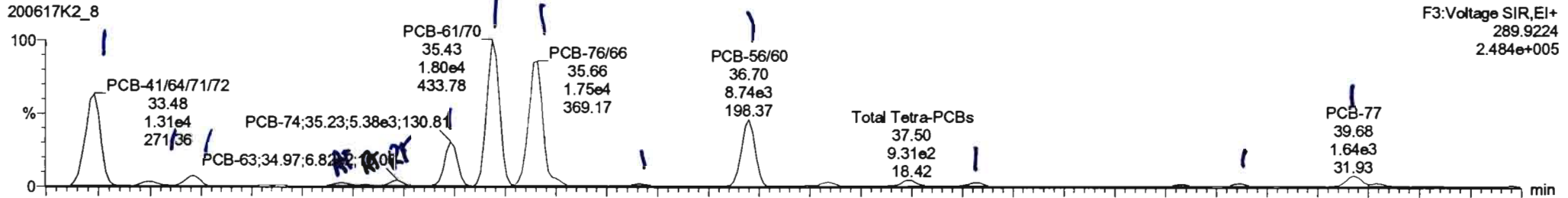


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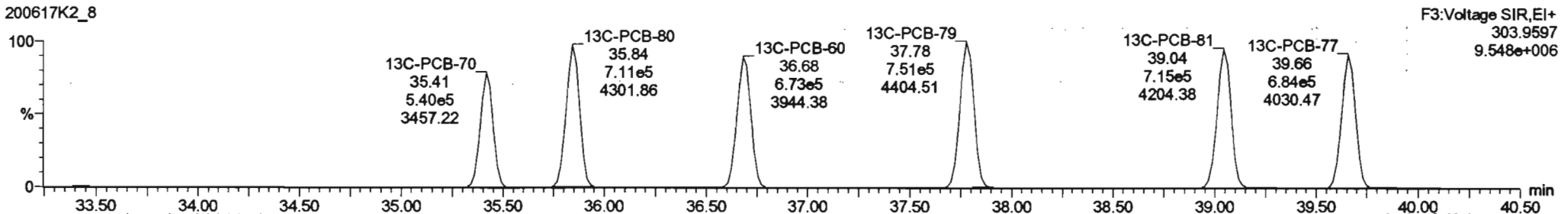
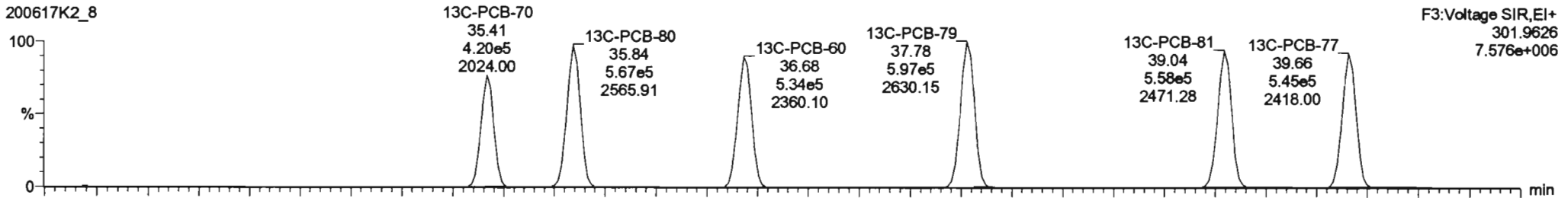
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PCB-68



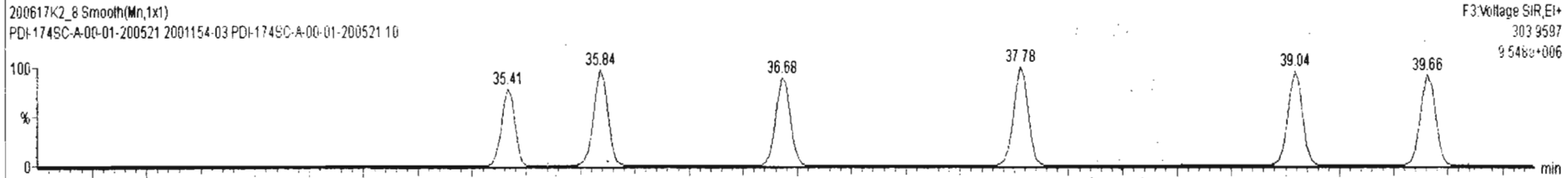
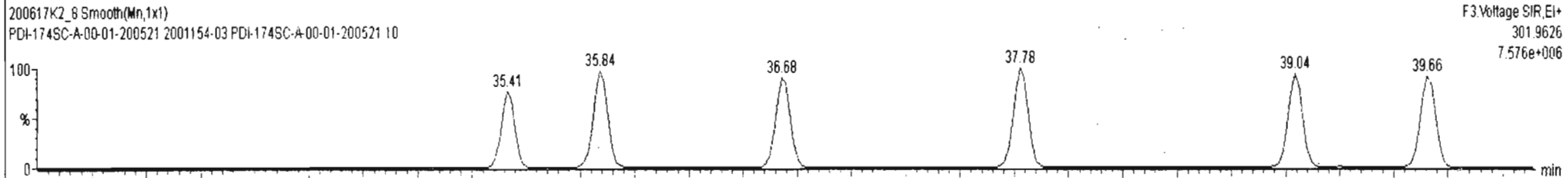
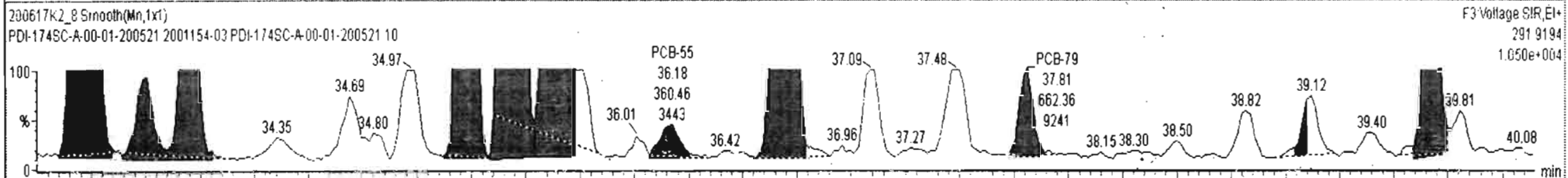
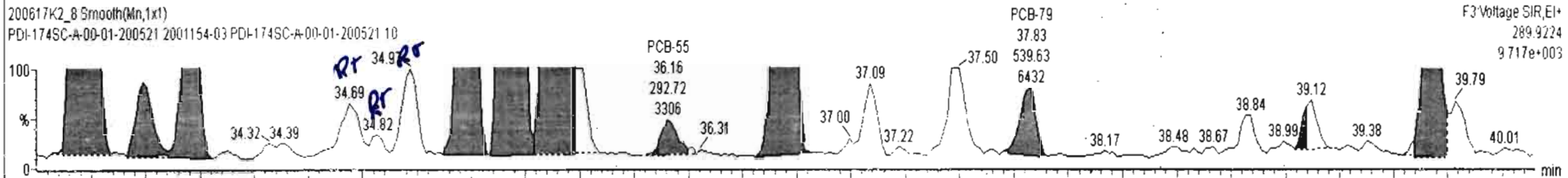
13C-PCB-60



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.287	0.00		0.000		NO	557.0		9.98	557.0

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
19	59 PCB-56/60	36.70	36.70	8.738e3	1.124e4	0.770	0.78	NO	29.054	29.054
20	60 PCB-79	37.80	37.83	5.396e2	6.624e2	0.770	0.81	NO	1.5628	1.5628
21	62 PCB-81	39.06	39.10	1.130e2	1.594e2	0.770	0.71	NO	0.38662	0.38662
22	63 PCB-77	39.68	39.67	1.590e3	1.915e3	0.770	0.83	NO	4.7458	4.7458

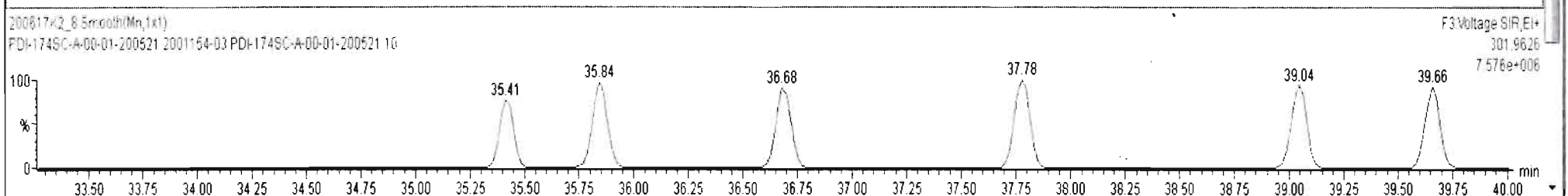
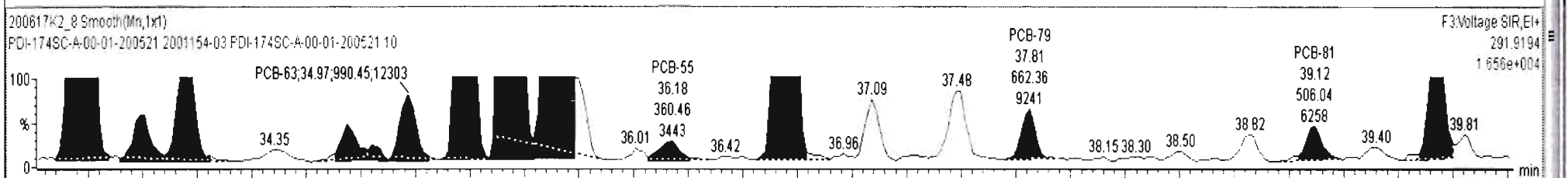
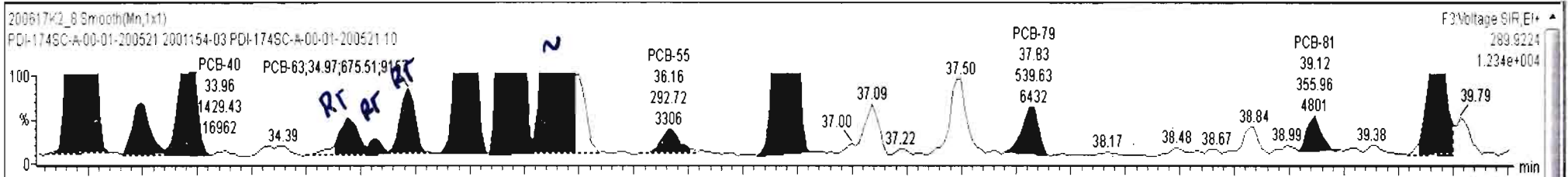


200617K2\_8 - 2001154-03 PDI-1745C-A-00-01-200521 10 - PDI-1745C-A-00-01-200521

#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.287	0.00		0.000		NO	563.3		9.98	563.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
12	PCB-41/64/172	33.49	33.48	1.305e4	1.702e4	0.770	0.77	NO	45.289	45.289
13	PCB-68	33.74	33.74	6.398e2	8.045e2	0.770	0.80	NO	2.0209	2.0209
14	PCB-40	33.97	33.96	1.429e3	1.791e3	0.770	0.80	NO	9.5630	9.5630
15	PCB-67	34.64	34.69	4.655e2	5.639e2	0.770	0.83	NO	1.8710	1.8710
16	PCB-58	34.76	34.82	1.221e2	1.690e2	0.770	0.72	NO	0.47651	0.47651
17	PCB-63	34.91	34.97	6.755e2	9.905e2	0.770	0.68	NO	3.0626	3.0626
18	PCB-74	35.22	35.23	5.378e3	6.989e3	0.770	0.77	NO	20.563	20.563
19	PCB-61/70	35.43	35.43	1.796e4	2.444e4	0.770	0.73	NO	79.254	79.254
20	PCB-76/66	35.62	35.66	1.688e4	2.202e4	0.770	0.77	NO	65.838	65.838
21	PCB-55	36.18	36.16	2.927e2	3.605e2	0.770	0.81	NO	0.82705	0.82705
22	PCB-56/60	36.70	36.70	8.738e3	1.124e4	0.770	0.78	NO	29.054	29.054
23	PCB-79	37.80	37.83	5.396e2	6.624e2	0.770	0.81	NO	1.5628	1.5628
24	PCB-81	39.06	39.12	3.560e2	5.060e2	0.770	0.70	NO	1.2238	1.2238
25	PCB-77	39.68	39.68	1.590e3	1.915e3	0.770	0.83	NO	4.7458	4.7458

0.05 InK  
 - 0.06 InK  
 - 0.06 InK  
 0.04 InK - N  
 + 0.1 InK



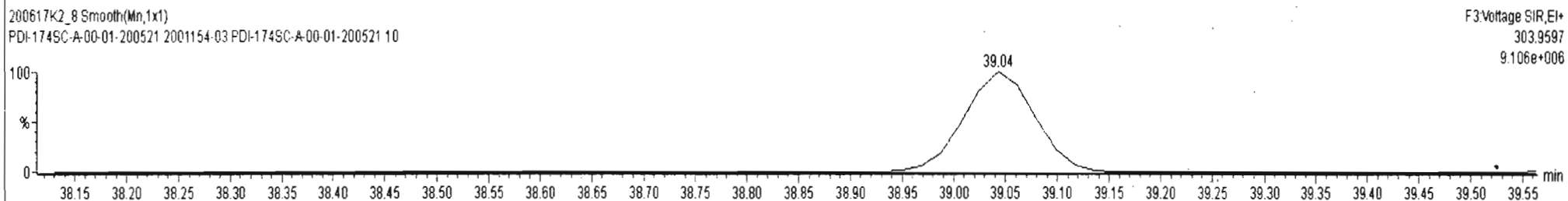
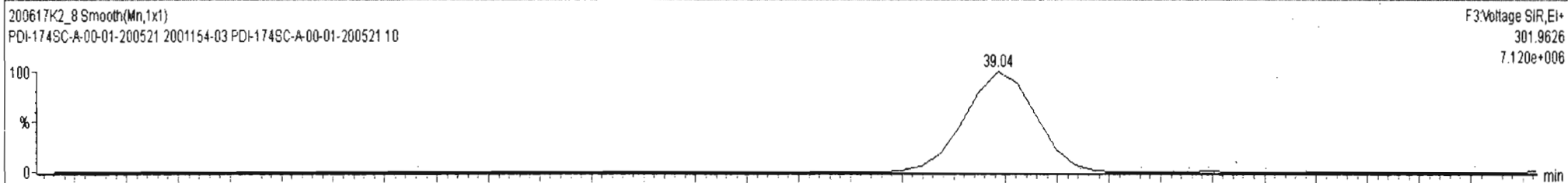
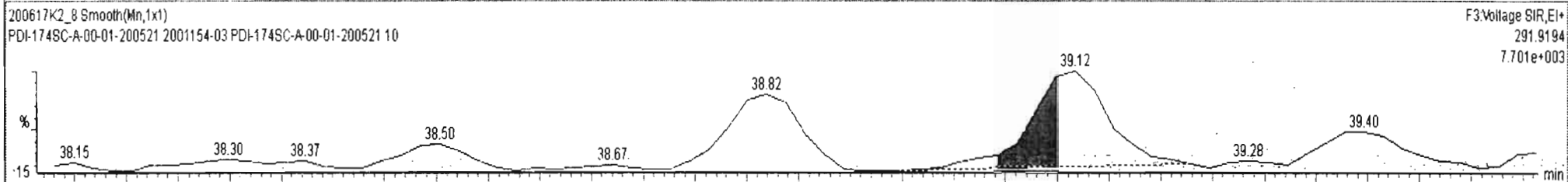
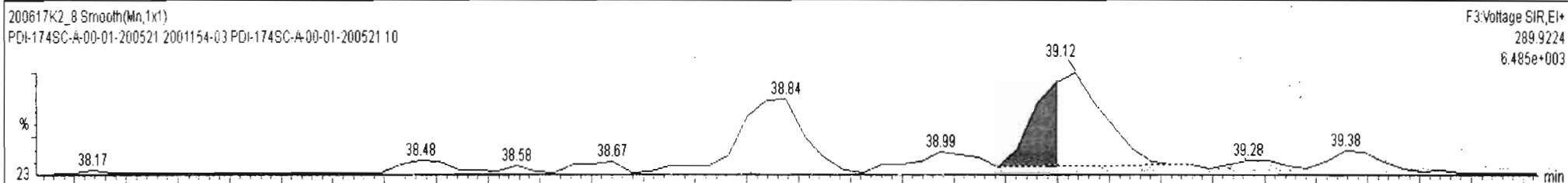




200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	RFF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				1.0778	5.287	0.00		0.000		NO	557.0		9.98	557.0

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
19	59 PCB-56/60	36.70	36.70	8.738e3	1.124e4	0.770	0.78	NO	29.054	29.054
20	60 PCB-79	37.80	37.83	5.396e2	6.624e2	0.770	0.81	NO	1.5628	1.5628
21	62 PCB-81	39.06	39.10	1.130e2	1.594e2	0.770	0.71	NO	0.38662	0.38662
22	63 PCB-77	39.68	39.67	1.590e3	1.915e3	0.770	0.83	NO	4.7458	4.7458



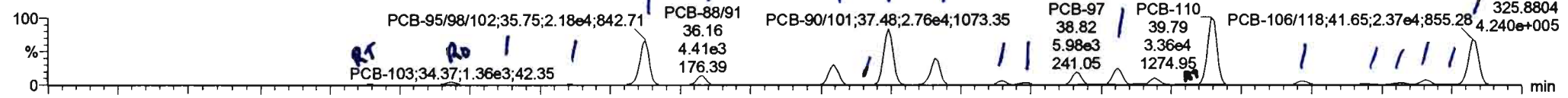
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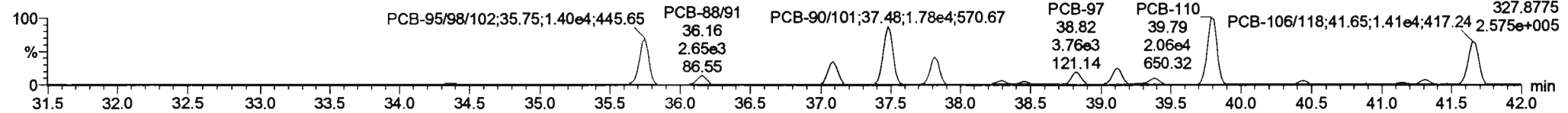
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**PCB-104**

200617K2\_8

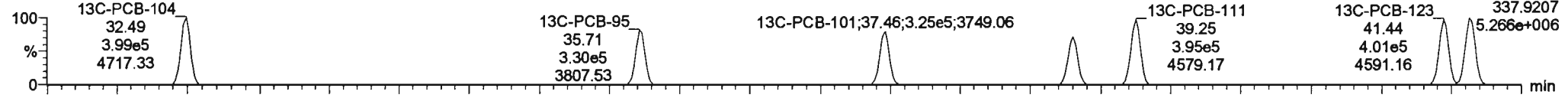


200617K2\_8

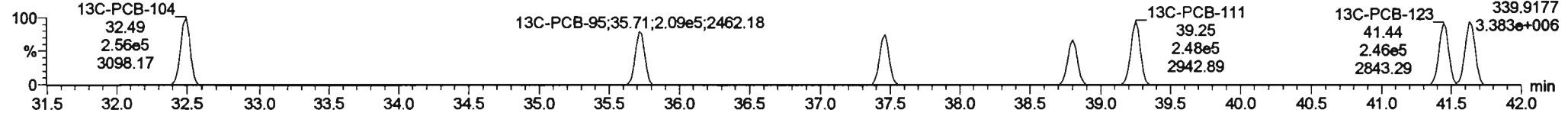


**13C-PCB-104**

200617K2\_8

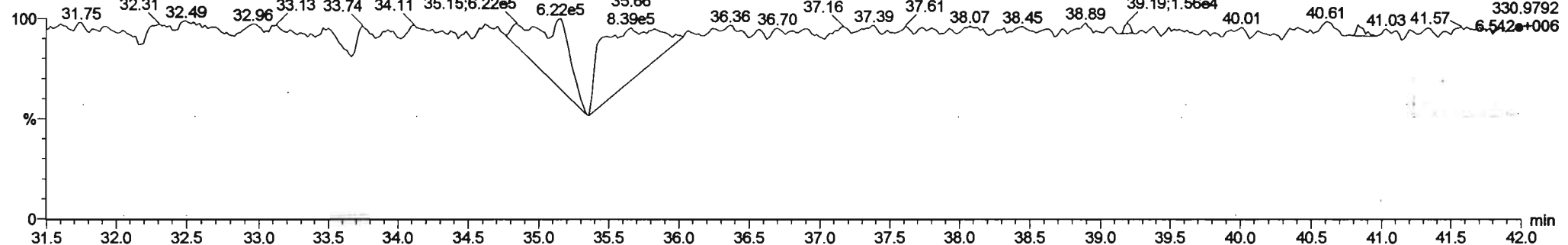


200617K2\_8



**PFK3b**

200617K2\_8



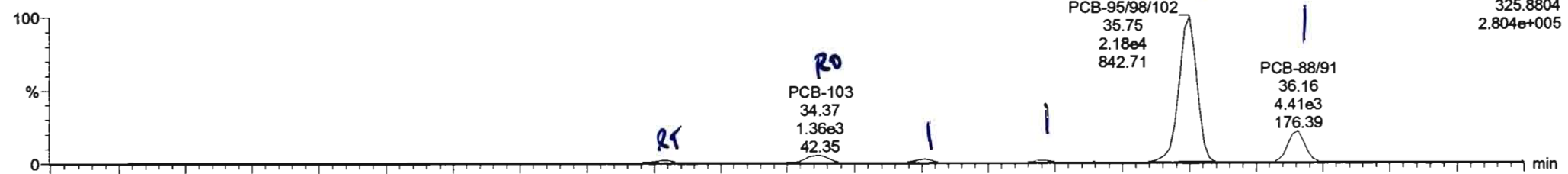
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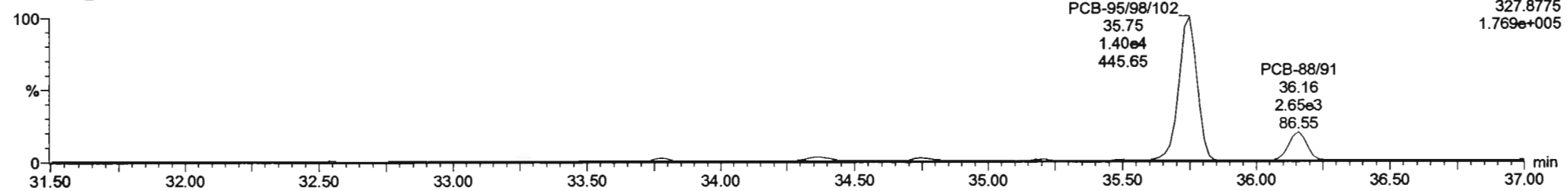
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PCB-96

200617K2\_8

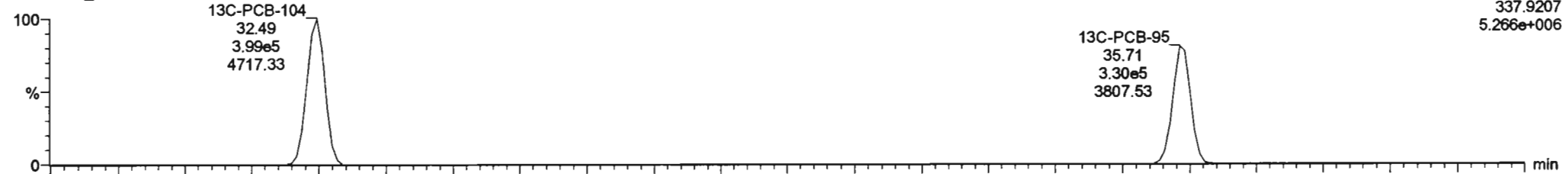


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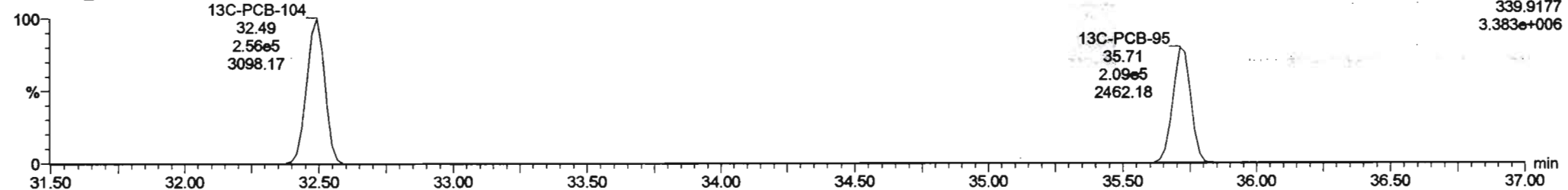


13C-PCB-95

200617K2\_8



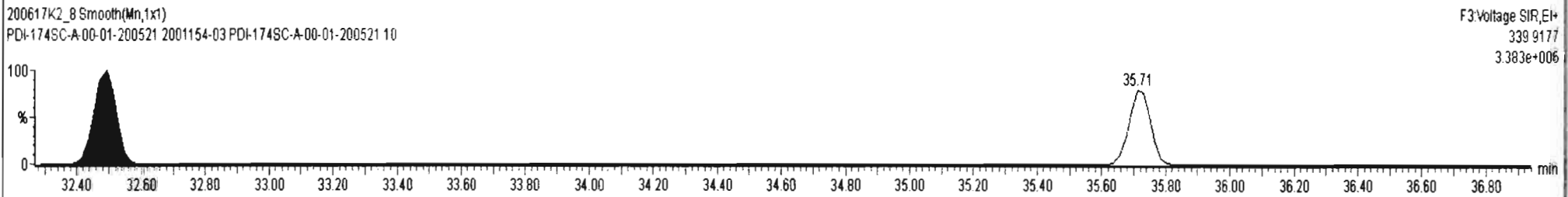
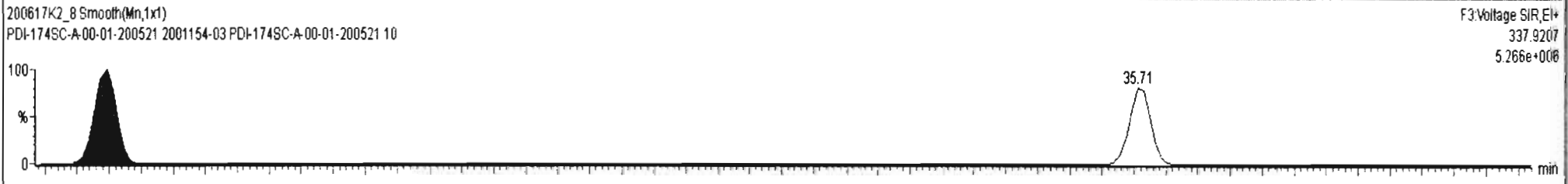
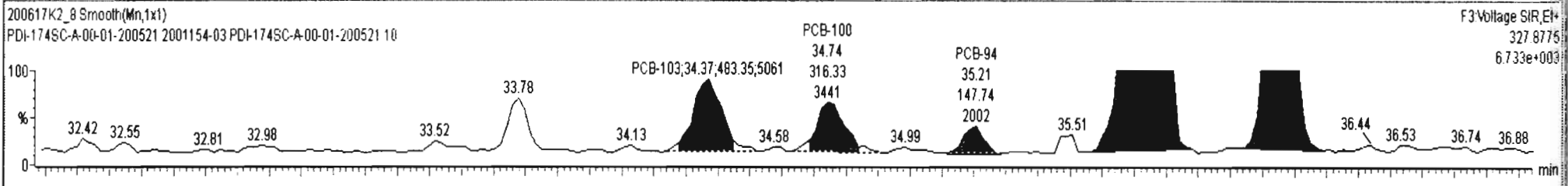
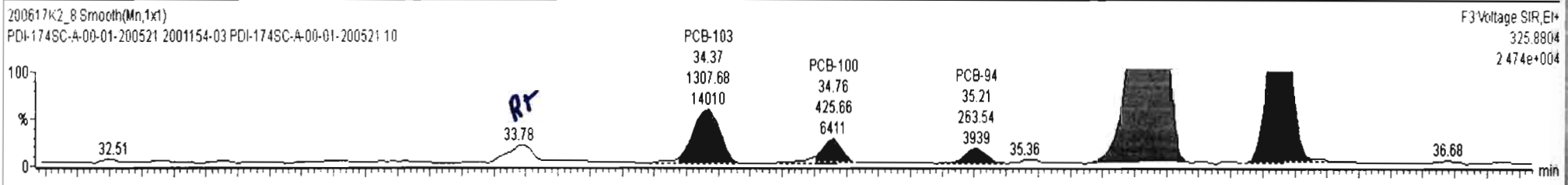
200617K2\_8



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	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	5.287	0.00		0.000		NO	710.7		9.08	728.7

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	66 PCB-103	34.40	34.37	1.308e3	4.833e2	1.560	2.71	YES	3.8121	0.00000
2	67 PCB-100	34.75	34.76	4.257e2	3.163e2	1.560	1.35	NO	2.2450	2.2450
3	68 PCB-94	35.19	35.21	2.635e2	1.477e2	1.560	1.78	NO	1.5224	1.5224
4	69 PCB-95/98/102	35.67	35.75	2.180e4	1.398e4	1.560	1.56	NO	104.34	104.34
5	71 PCB-88/91	36.14	36.16	4.359e3	2.649e3	1.560	1.65	NO	23.118	23.118

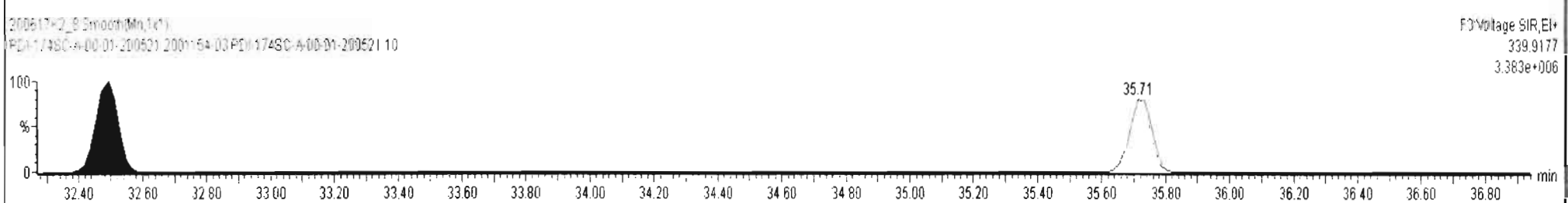
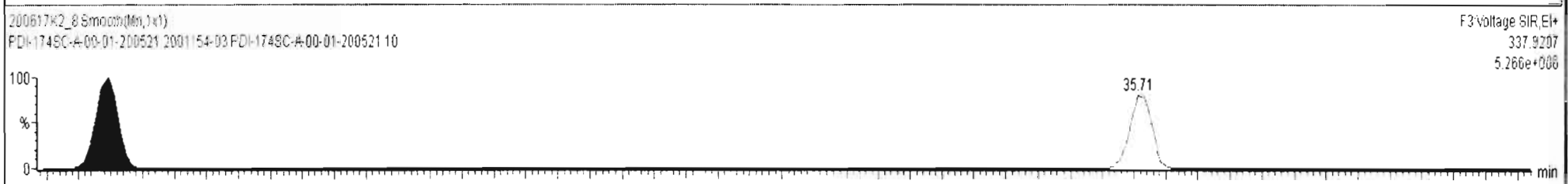
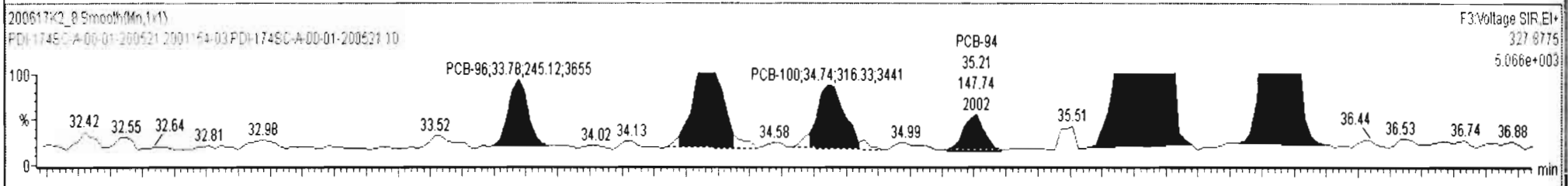
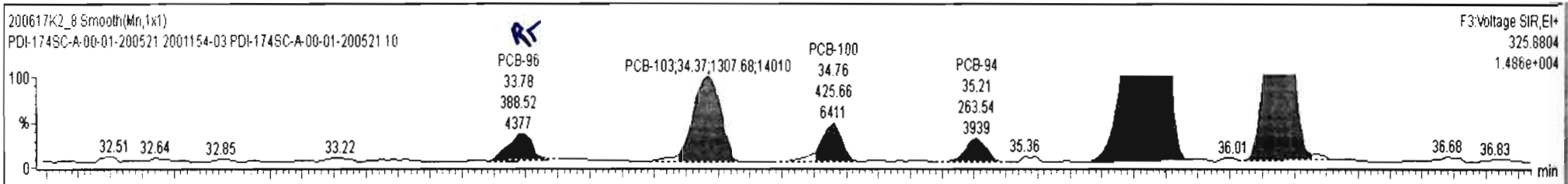


200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	RFF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.3157	5.267	0.00		0.000		NO	712.3		9.09	730.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	65 PCB-96	33.83	33.78	3.885e2	2.451e2	1.560	1.58	NO	1.5844	1.5844
2	66 PCB-103	34.40	34.37	1.308e3	4.833e2	1.560	2.71	YES	3.8121	0.00000
3	67 PCB-100	34.75	34.76	4.257e2	3.163e2	1.560	1.35	NO	2.2450	2.2450
4	68 PCB-94	35.19	35.21	2.635e2	1.477e2	1.560	1.78	NO	1.5224	1.5224
5	69 PCB-95/98/102	35.67	35.75	2.180e4	1.398e4	1.560	1.56	NO	104.34	104.34
6	71 PCB-88/91	36.14	36.16	4.359e3	2.649e3	1.560	1.65	NO	23.118	23.118

*.05 early  
.03 early*



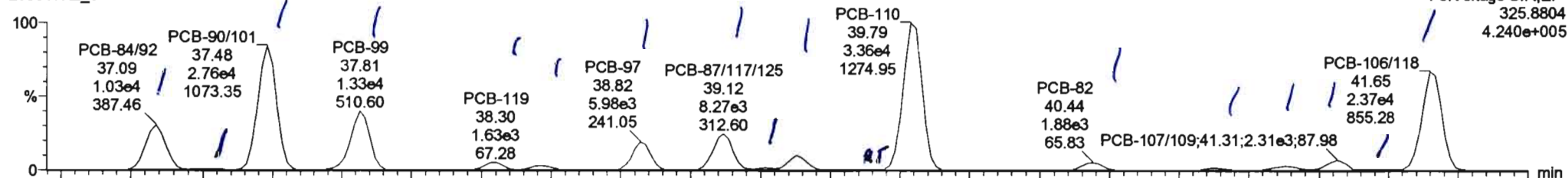
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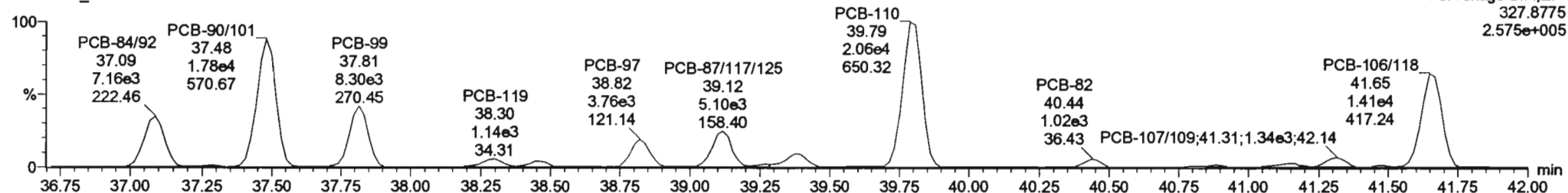
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**PCB-119**

200617K2\_8

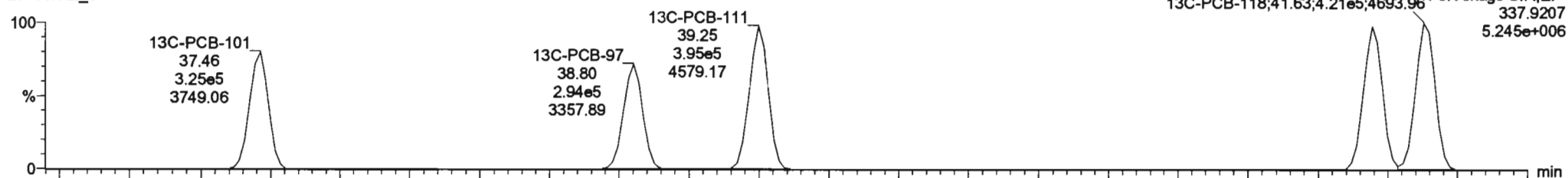


200617K2\_8

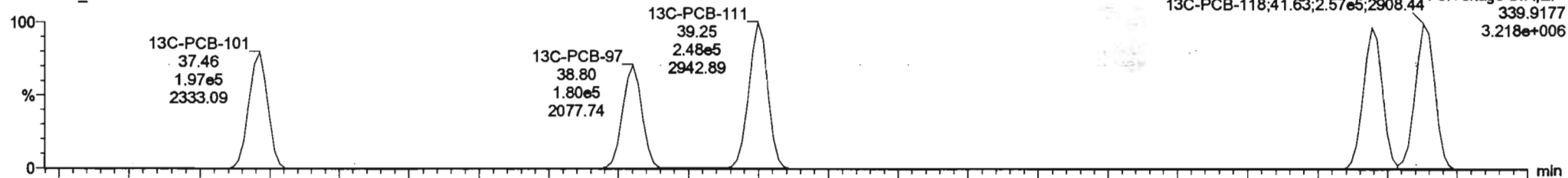


**<sup>13</sup>C-PCB-111**

200617K2\_8



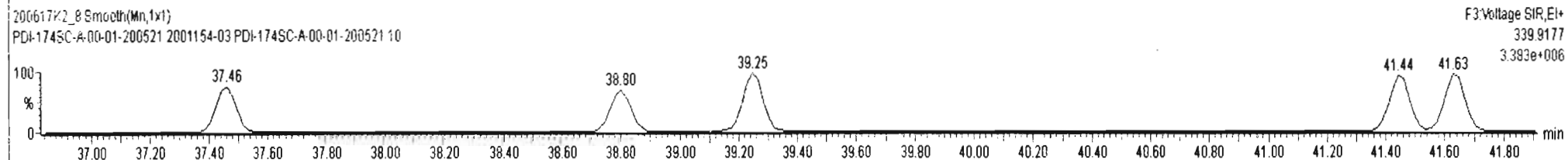
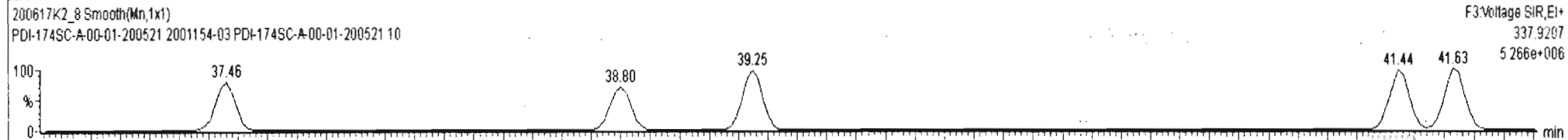
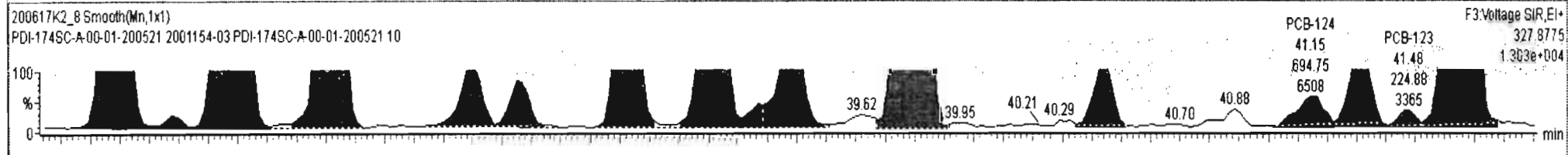
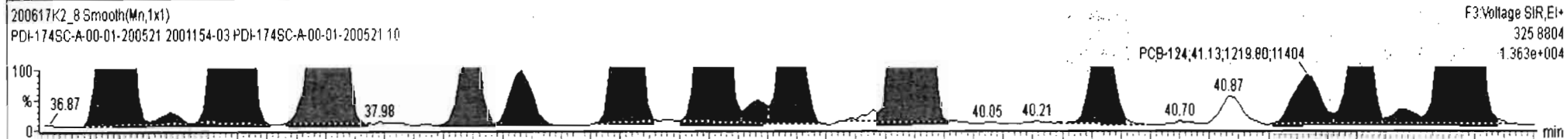
200617K2\_8



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	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	5.287	0.00		0.000		NO	728.6		9.09	732.4

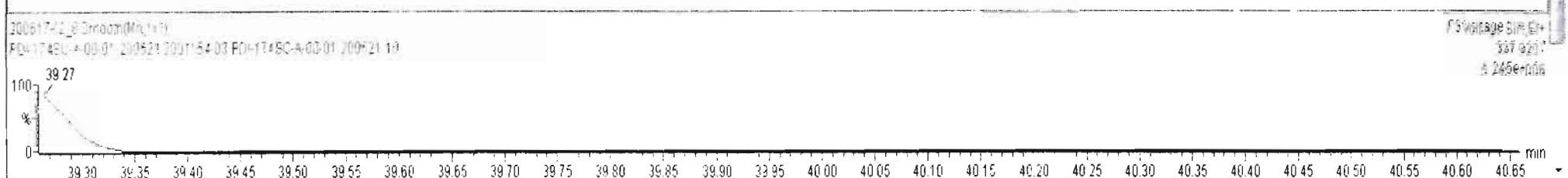
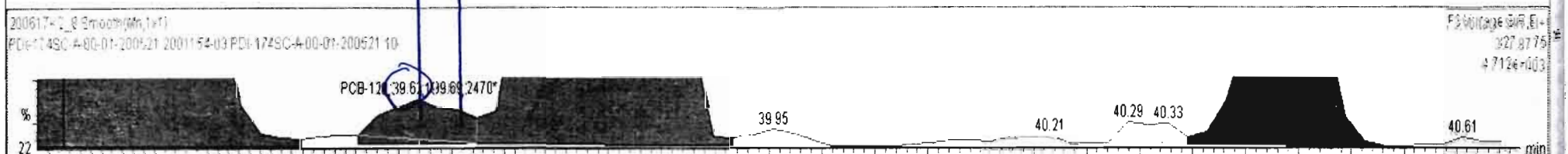
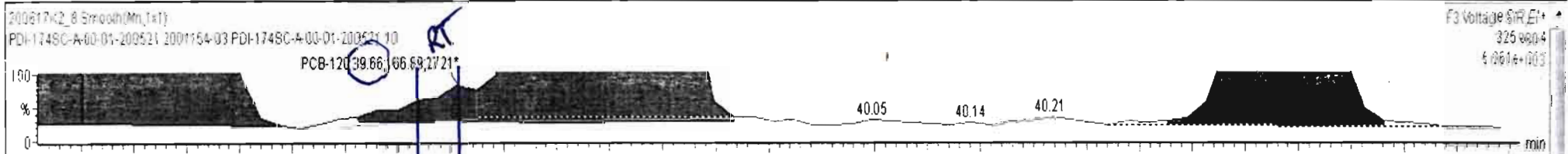
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
6	73 PCB-84/92	37.10	37.09	1.032e4	7.165e3	1.560	1.44	NO	62.218	62.218
7	74 PCB-89	37.27	37.27	2.505e2	1.646e2	1.560	1.52	NO	1.3604	1.3604
8	75 PCB-90/101	37.48	37.48	2.778e4	1.783e4	1.560	1.56	NO	147.19	147.19
9	77 PCB-99	37.81	37.81	1.340e4	8.244e3	1.560	1.63	NO	59.355	59.355
10	78 PCB-119	38.30	38.30	1.627e3	1.129e3	1.560	1.44	NO	6.0888	6.0888
11	79 PCB-108/112	38.46	38.47	1.062e3	7.734e2	1.560	1.37	NO	5.0647	5.0647
12	81 PCB-97	38.82	38.82	6.065e3	3.720e3	1.560	1.63	NO	30.436	30.436
13	83 PCB-87/117/125	39.12	39.12	8.407e3	5.048e3	1.560	1.67	NO	34.418	34.418
14	84 PCB-111/115	39.27	39.27	3.352e2	2.477e2	1.560	1.35	NO	1.2166	1.2166
15	85 PCB-85/116	39.40	39.38	3.260e3	2.085e3	1.560	1.56	NO	15.106	15.106
16	87 PCB-110	39.79	39.79	3.354e4	2.057e4	1.560	1.63	NO	123.81	123.81



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.3157	5.287	0.00		0.000		NO	717.3		9.09	731.5

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
6	73 PCB-84/92	37.10	37.09	1.032e4	7.165e3	1.560	1.44	NO	62.218	62.218
7	74 PCB-89	37.27	37.27	2.505e2	1.646e2	1.560	1.52	NO	1.3604	1.3604
8	75 PCB-90/101	37.48	37.48	2.778e4	1.783e4	1.560	1.56	NO	147.19	147.19
9	77 PCB-99	37.81	37.81	1.340e4	8.244e3	1.560	1.63	NO	59.355	59.355
10	78 PCB-119	38.30	38.30	1.627e3	1.136e3	1.560	1.43	NO	6.1040	6.1040
11	79 PCB-108/112	38.46	38.47	1.062e3	7.879e2	1.560	1.35	NO	5.1047	5.1047
12	81 PCB-97	38.82	38.82	6.065e3	3.764e3	1.560	1.61	NO	30.574	30.574
13	83 PCB-87/117/125	39.12	39.12	8.275e3	5.117e3	1.560	1.62	NO	34.254	34.254
14	84 PCB-111/115	39.27	39.27	3.774e2	2.637e2	1.560	1.43	NO	1.3382	1.3382
15	85 PCB-85/116	39.40	39.38	3.143e3	2.158e3	1.560	1.46	NO	14.981	14.981
16	86 PCB-120	39.66	39.66	1.915e2	1.708e2	1.560	1.12	YES	0.62506	0.00000
17	87 PCB-110	39.79	39.79	3.351e4	2.057e4	1.560	1.63	NO	123.74	123.74
18	88 PCB-82	40.44	40.44	1.845e3	1.023e3	1.560	1.80	YES	9.7930	0.00000
19	89 PCB-124	41.15	41.13	1.141e3	7.486e2	1.560	1.52	NO	3.9513	3.9513
20	90 PCB-107/109	41.29	41.31	2.305e3	1.476e3	1.560	1.56	NO	8.2299	8.2299
21	91 PCB-123	41.46	41.44	2.912e2	2.024e2	1.560	1.44	NO	1.2033	1.2033
22	92 PCB-106/118	41.67	41.65	2.367e4	1.412e4	1.560	1.68	NO	86.471	86.471

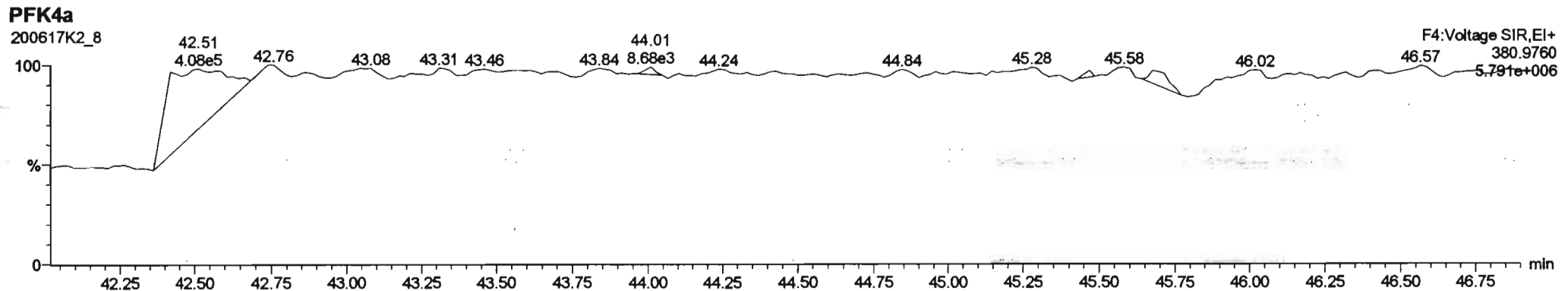
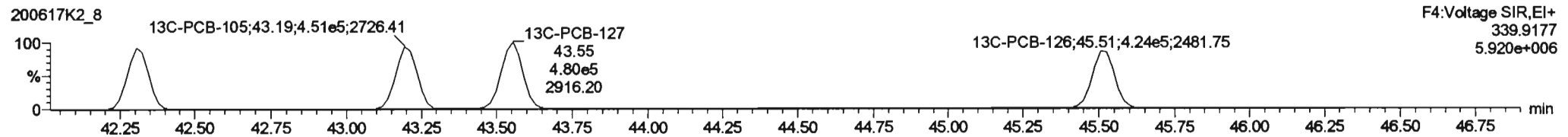
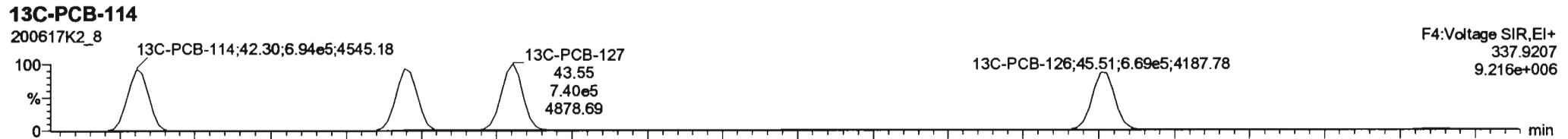
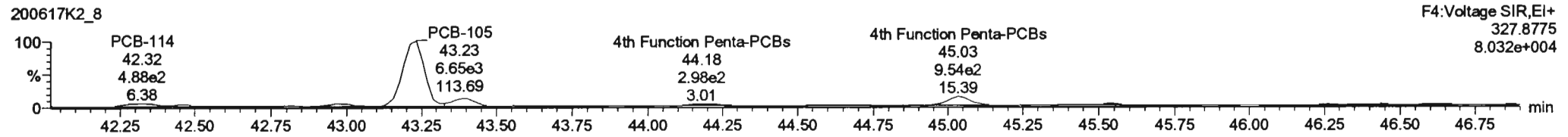
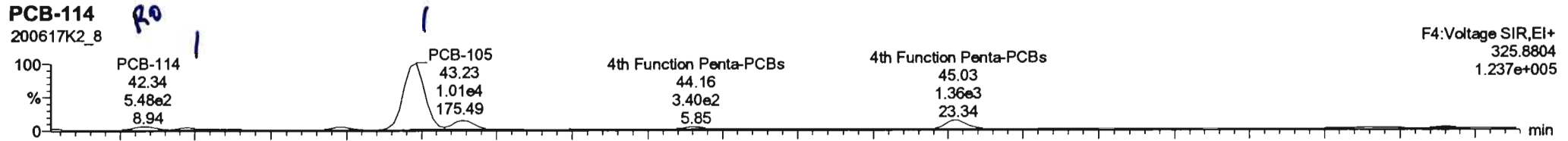




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 Printed: Thursday, June 18, 2020 09:48:35 Pacific Daylight Time

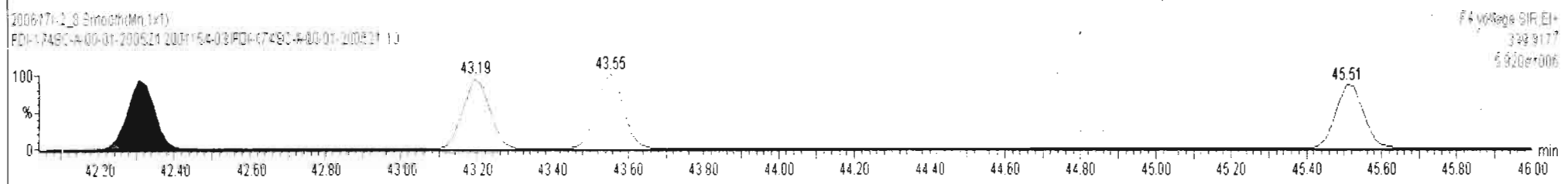
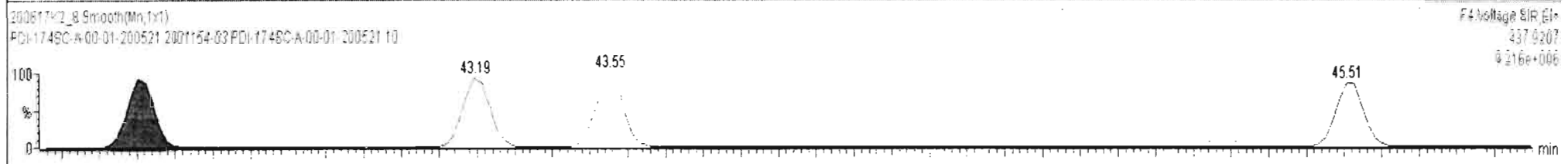
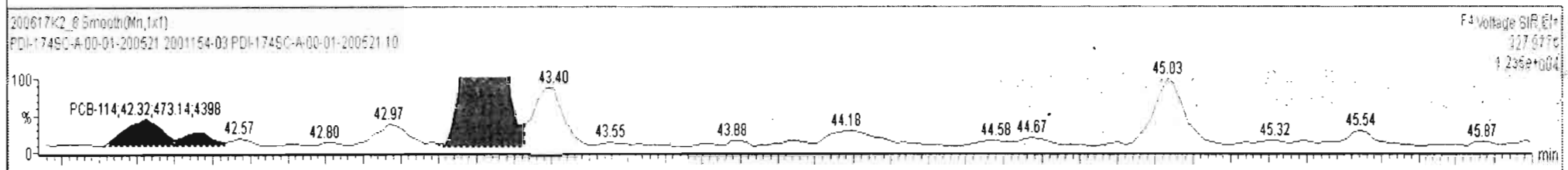
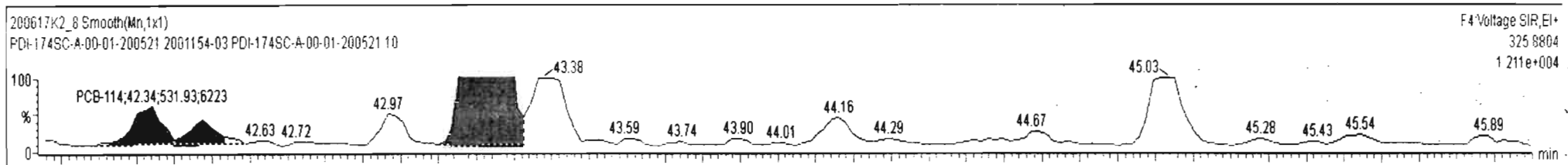
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200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.0735	5.267	0.00		0.000		NO	27.11		1.77	28.38

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.33	42.34	5.319e2	4.731e2	1.560	1.12	YES	1.2724	0.00000
2	94 PCB-122	42.47	42.47	3.009e2	1.933e2	1.560	1.56	NO	0.87057	0.87057
3	95 PCB-105	43.21	43.23	1.012e4	6.636e3	1.550	1.52	NO	26.239	26.239



Dataset: Untitled

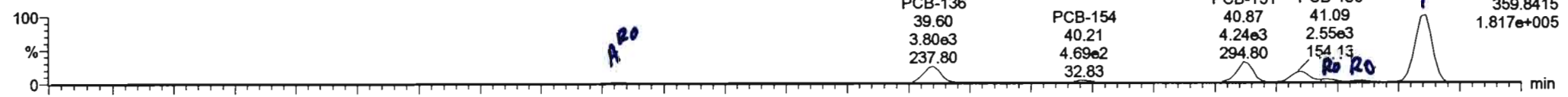
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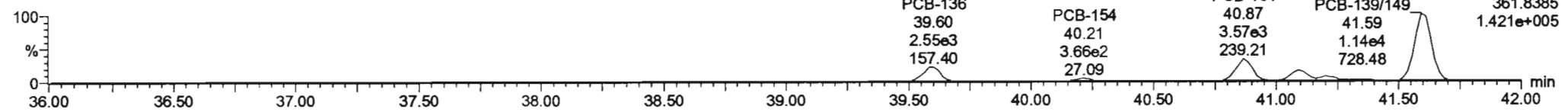
Name: 200617K2\_8, Date: 18-Jun-2020, Time: 07:38:06, ID: 2001154-03 PDI-174SC-A-00-01-200521 10, Description: PDI-174SC-A-00-01-200521

**PCB-155**

200617K2\_8

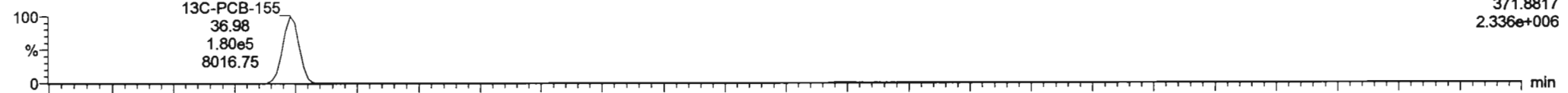


200617K2\_8

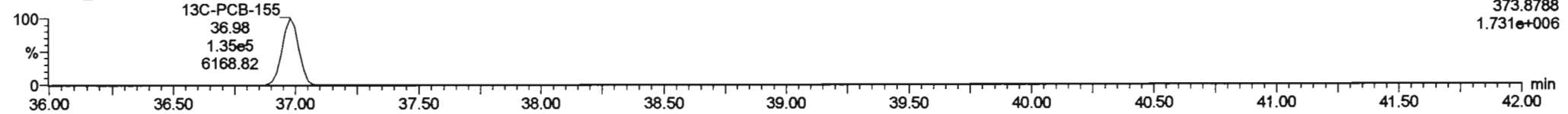


**13C-PCB-155**

200617K2\_8

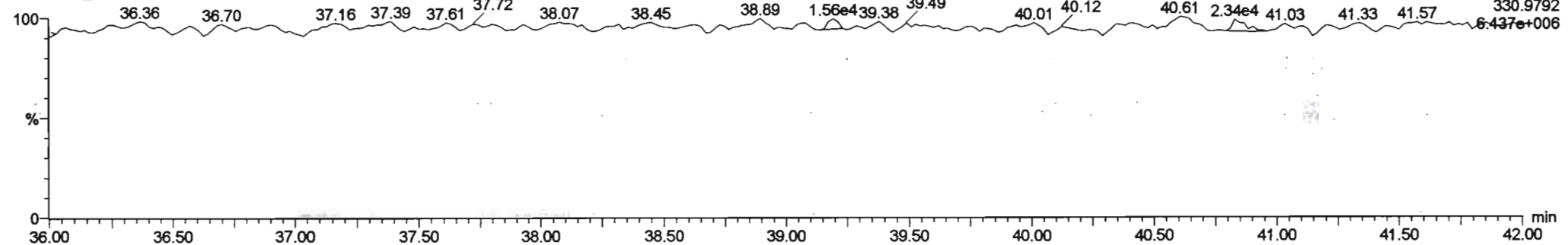


200617K2\_8



**PFK3c**

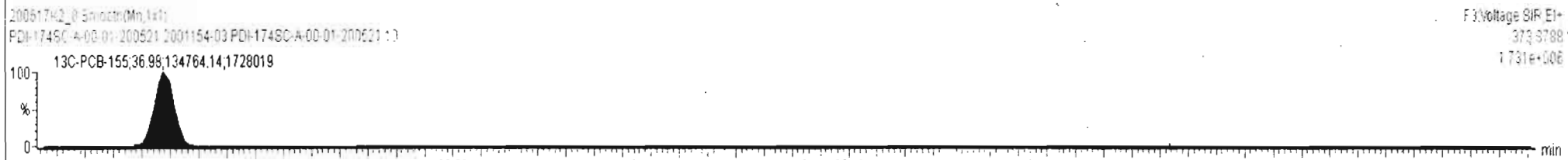
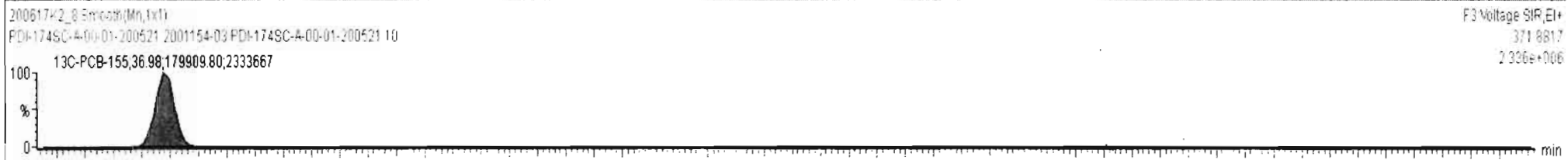
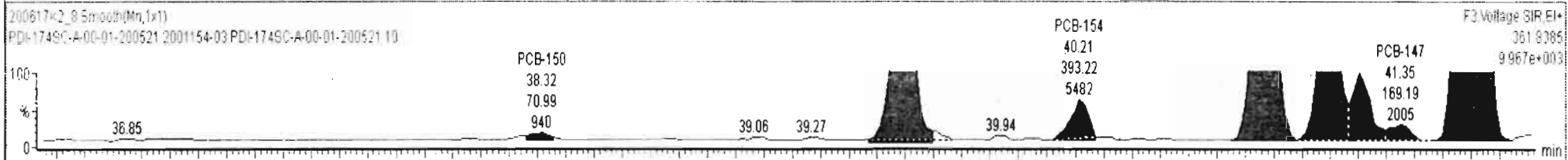
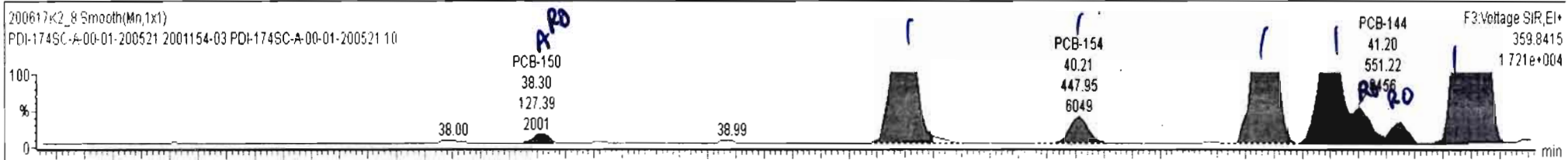
200617K2\_8



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.0735	5.287	0.00		0.000		NO	27.11		1.77	28.38

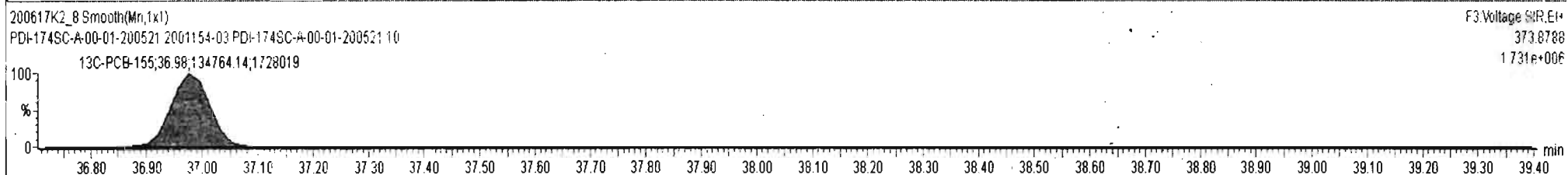
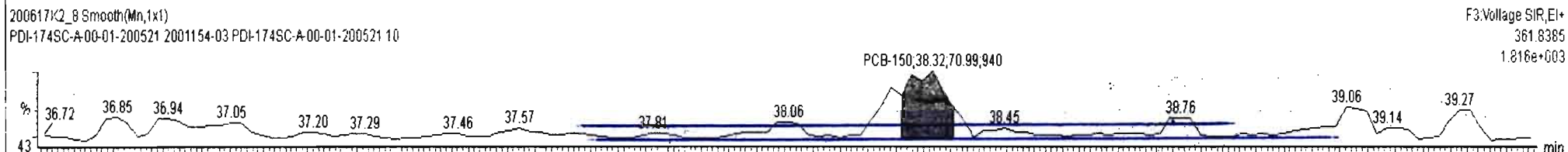
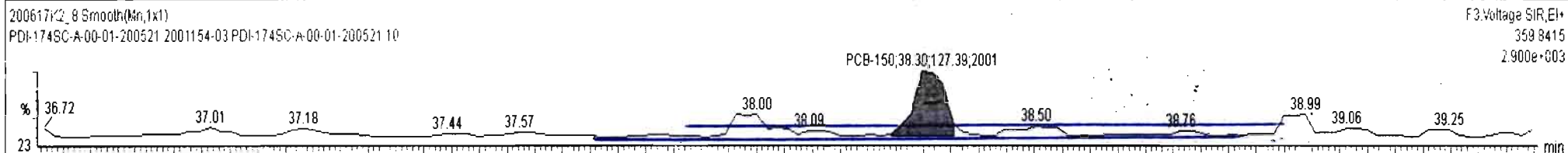
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	99 PCB-150	38.32	38.30	1.274e2	7.099e1	1.240	1.79	YES	0.88216	0.00000
2	102 PCB-136	39.60	39.60	3.653e3	2.572e3	1.240	1.42	NO	36.646	36.646
3	104 PCB-154	40.22	40.21	4.479e2	3.932e2	1.240	1.14	NO	5.5014	5.5014
4	105 PCB-151	40.88	40.87	4.244e3	3.575e3	1.240	1.19	NO	59.746	59.746
5	106 PCB-135	41.09	41.09	2.546e3	1.854e3	1.240	1.37	NO	28.675	28.675
6	107 PCB-144	41.20	41.20	5.512e2	5.603e2	1.240	0.98	YES	7.5858	0.00000
7	108 PCB-147	41.33	41.35	3.261e2	1.692e2	1.240	1.94	YES	2.7297	0.00000
8	109 PCB-139/149	41.62	41.61	1.494e4	1.144e4	1.240	1.31	NO	167.32	167.32



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.0735	5.287	0.00		0.000		NO	27.11		1.77	28.38

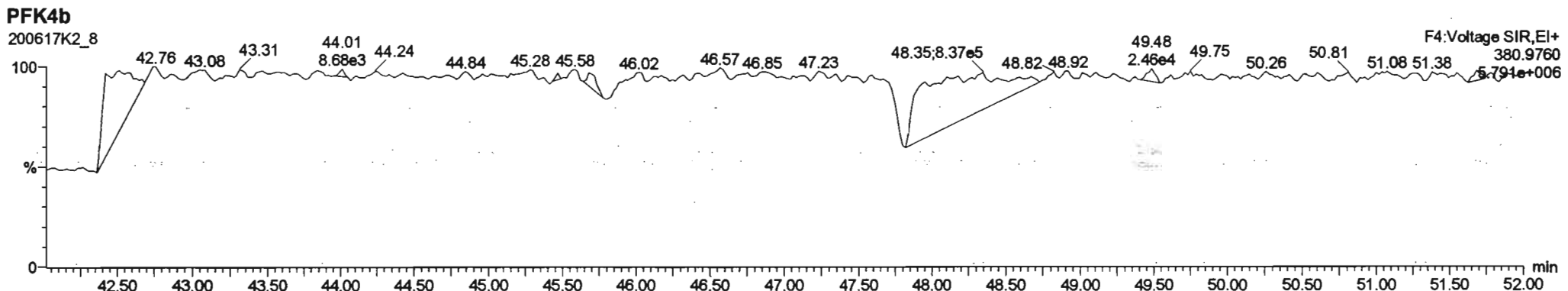
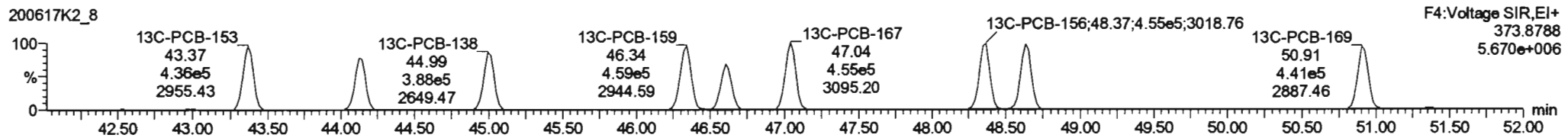
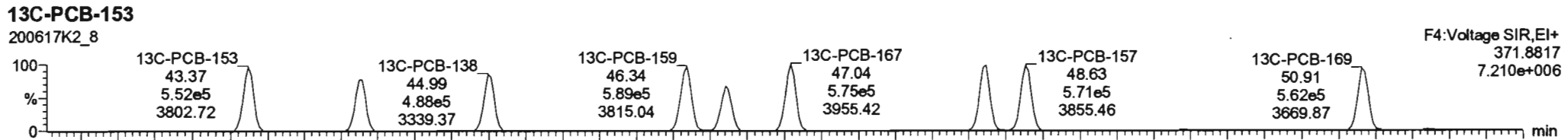
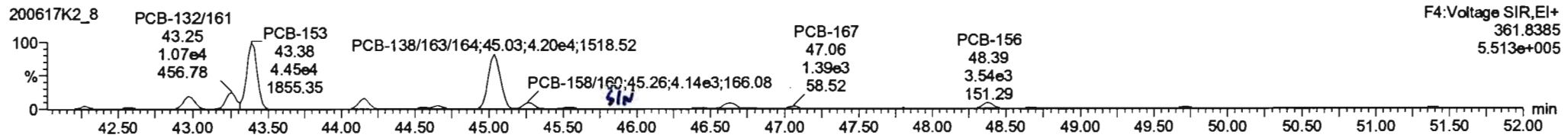
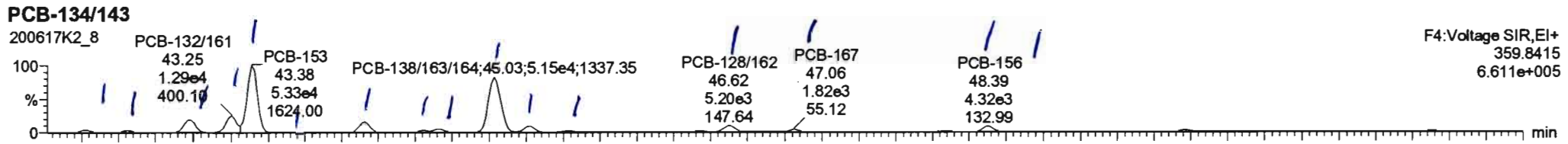
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	99 PCB-150	38.32	38.30	1.274e2	7.099e1	1.240	1.79	YES	0.88216	0.00000
2	102 PCB-136	39.60	39.60	3.653e3	2.572e3	1.240	1.42	NO	36.646	36.646
3	104 PCB-154	40.22	40.21	4.479e2	3.932e2	1.240	1.14	NO	5.5014	5.5014
4	105 PCB-151	40.88	40.87	4.244e3	3.575e3	1.240	1.19	NO	59.746	59.746
5	106 PCB-135	41.09	41.09	2.546e3	1.854e3	1.240	1.37	NO	28.675	28.675
6	107 PCB-144	41.20	41.20	5.512e2	5.603e2	1.240	0.98	YES	7.5858	0.00000
7	108 PCB-147	41.33	41.35	3.281e2	1.692e2	1.240	1.94	YES	2.7297	0.00000
8	109 PCB-139H49	41.62	41.61	1.494e4	1.144e4	1.240	1.31	NO	167.32	167.32



Dataset: Untitled

Last Altered: Thursday, June 18, 2020 09:48:14 Pacific Daylight Time  
 Printed: Thursday, June 18, 2020 09:48:35 Pacific Daylight Time

Name: 200617K2\_8, Date: 18-Jun-2020, Time: 07:38:06, ID: 2001154-03 PDI-174SC-A-00-01-200521 10, Description: PDI-174SC-A-00-01-200521

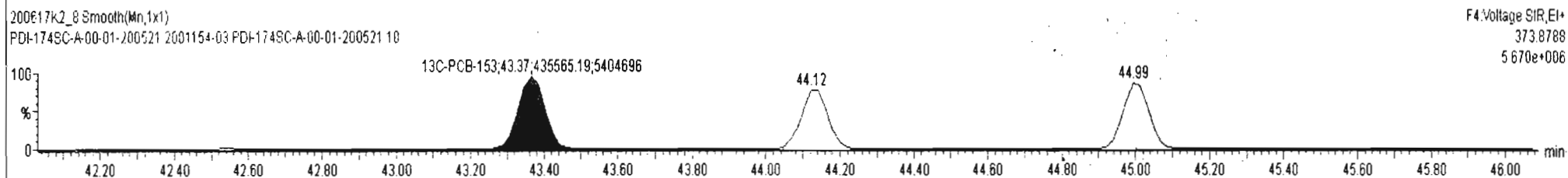
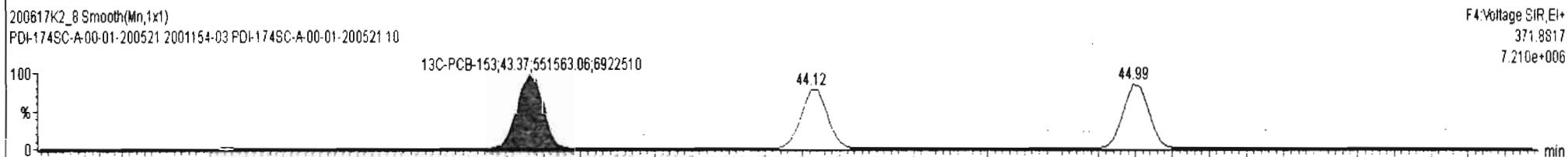
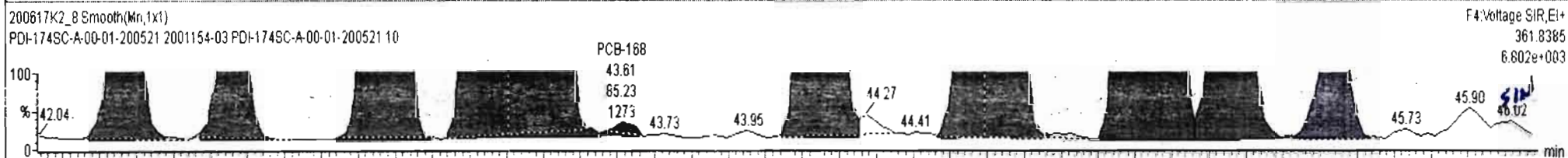
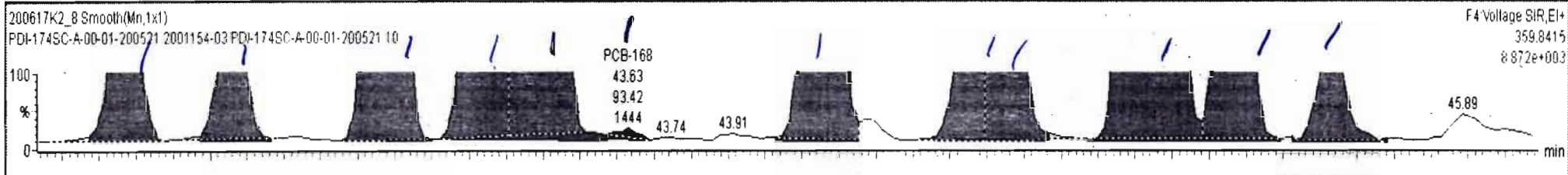




200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs				1.0316	5.287	.000		0.000		NO	534.8		4.49	536.8

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	111 PCB-134/143	42.28	42.27	1.996e3	1.722e3	1.240	1.16	NO	9.3869	9.3869
2	112 PCB-131/133	42.58	42.57	1.405e3	1.095e3	1.240	1.28	NO	5.8354	5.8354
3	114 PCB-146/165	42.97	42.97	1.021e4	8.477e3	1.240	1.20	NO	35.221	35.221
4	115 PCB-132/161	43.20	43.25	1.299e4	1.071e4	1.240	1.21	NO	44.330	44.330
5	116 PCB-153	43.38	43.38	5.353e4	4.463e4	1.240	1.20	NO	175.66	175.66
6	117 PCB-168	43.61	43.63	9.342e1	8.523e1	1.240	1.10	NO	0.31775	0.31775
7	118 PCB-141	44.14	44.16	8.484e3	6.775e3	1.240	1.25	NO	34.056	34.056
8	119 PCB-137	44.54	44.56	1.292e3	9.620e2	1.240	1.34	NO	4.6514	4.6514



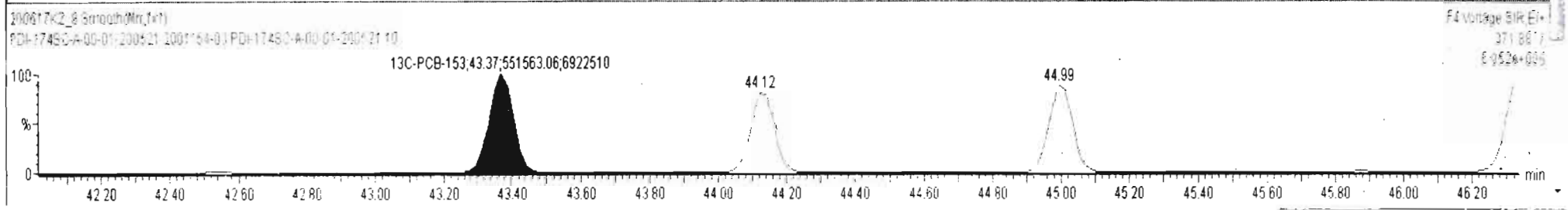
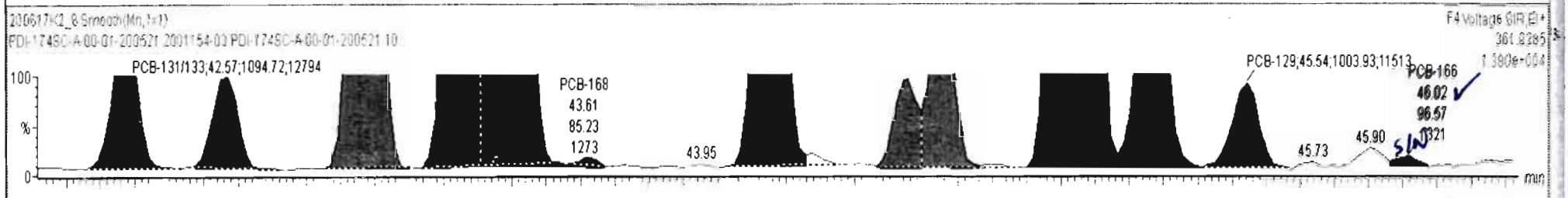
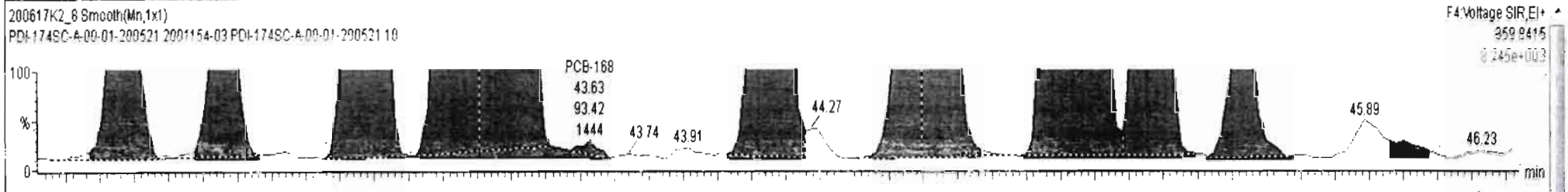
200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs				1.0316	5.287	0.00		0.000		NO	535.1		4.49	537.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	111 PCB-134/143	42.28	42.27	1.996e3	1.722e3	1.240	1.16	NO	9.3869	9.3869
2	112 PCB-131/133	42.58	42.57	1.405e3	1.095e3	1.240	1.28	NO	5.8354	5.8354
3	114 PCB-146/165	42.97	42.97	1.021e4	8.477e3	1.240	1.20	NO	35.221	35.221
4	115 PCB-132/161	43.20	43.25	1.299e4	1.071e4	1.240	1.21	NO	44.330	44.330
5	116 PCB-153	43.38	43.38	5.353e4	4.463e4	1.240	1.20	NO	175.66	175.66
6	117 PCB-168	43.61	43.63	9.342e1	8.523e1	1.240	1.10	NO	0.31775	0.31775
7	118 PCB-141	44.14	44.16	8.484e3	6.775e3	1.240	1.25	NO	34.056	34.056
8	119 PCB-137	44.54	44.56	1.292e3	9.620e2	1.240	1.34	NO	4.6514	4.6514
9	120 PCB-130	44.64	44.65	2.299e3	1.845e3	1.240	1.25	NO	10.726	10.726
10	121 PCB-138/163/164	45.03	45.03	5.154e4	4.200e4	1.240	1.23	NO	157.27	157.27
11	122 PCB-158/160	45.28	45.26	4.754e3	4.141e3	1.240	1.15	NO	15.480	15.480
12	123 PCB-129	45.54	45.53	1.059e3	1.004e3	1.240	1.05	NO	5.1358	5.1358
13	124 PCB-166	46.02	45.96	1.160e2	9.657e1	1.240	1.20	NO	0.33575	0.33575

0.05 late

0.04 early

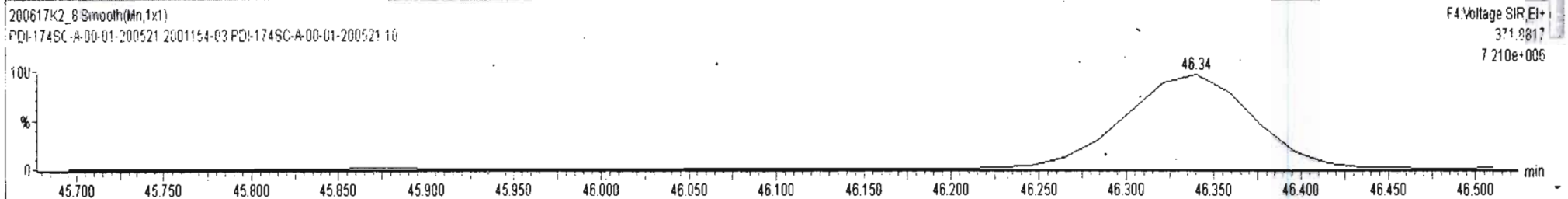
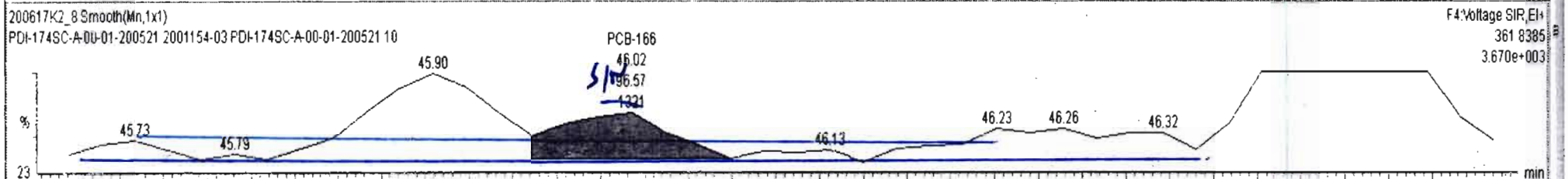
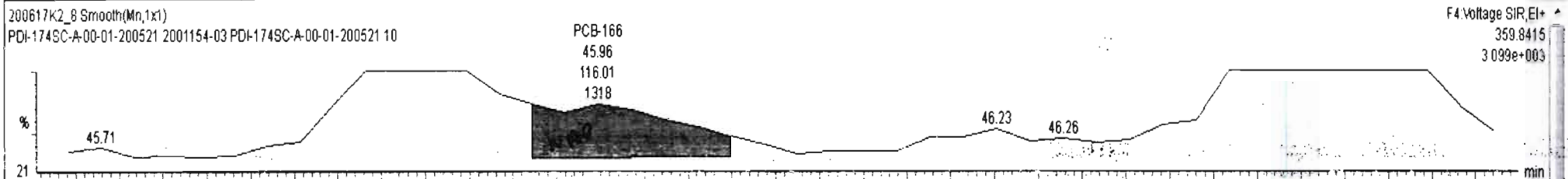




200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs				1.0316	5.287	0.00		0.000		NO	535.1		4.49	537.2

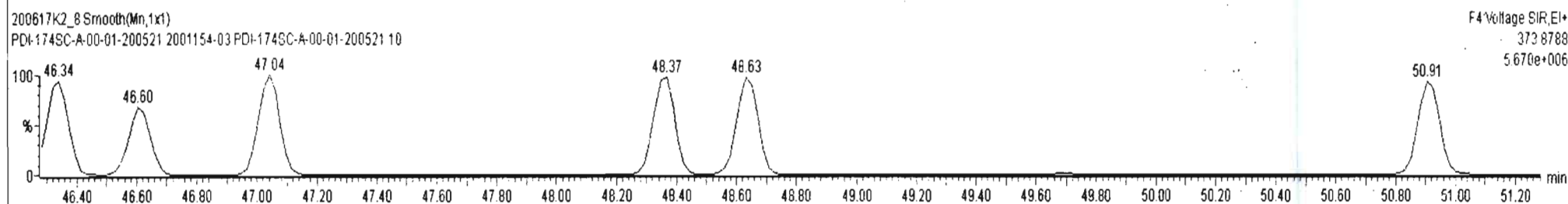
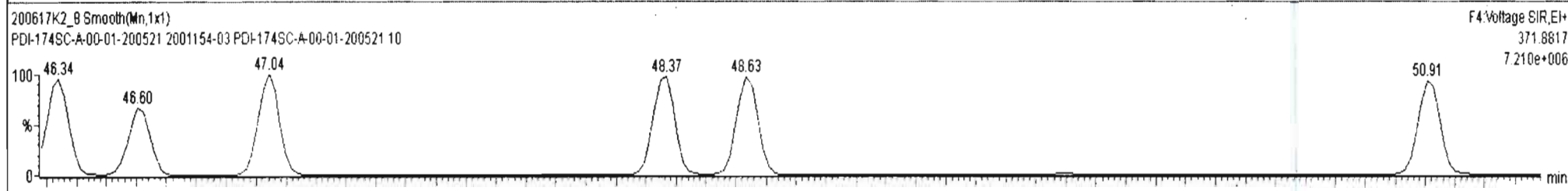
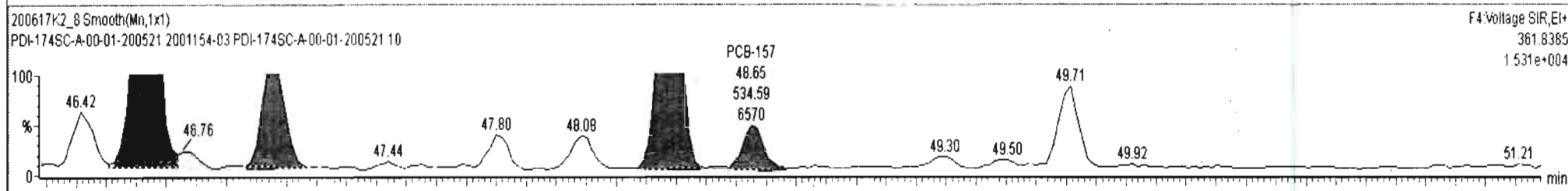
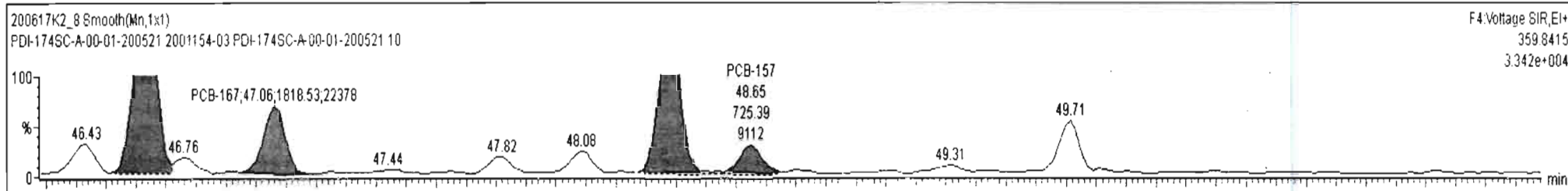
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	111 PCB-134/143	42.28	42.27	1.996e3	1.722e3	1.240	1.16	NO	9.3869	9.3869
2	112 PCB-131/133	42.58	42.57	1.405e3	1.095e3	1.240	1.28	NO	5.8354	5.8354
3	114 PCB-146/165	42.97	42.97	1.021e4	8.477e3	1.240	1.20	NO	35.221	35.221
4	115 PCB-132/161	43.20	43.25	1.299e4	1.071e4	1.240	1.21	NO	44.330	44.330
5	116 PCB-153	43.38	43.38	5.353e4	4.463e4	1.240	1.20	NO	175.66	175.66
6	117 PCB-188	43.61	43.63	9.342e1	8.523e1	1.240	1.10	NO	0.31775	0.31775
7	118 PCB-141	44.14	44.16	8.484e3	6.775e3	1.240	1.25	NO	34.056	34.056
8	119 PCB-137	44.54	44.56	1.292e3	9.620e2	1.240	1.34	NO	4.6514	4.6514
9	120 PCB-130	44.64	44.65	2.299e3	1.845e3	1.240	1.25	NO	10.726	10.726
10	121 PCB-138/163/164	45.03	45.03	5.154e4	4.200e4	1.240	1.23	NO	157.27	157.27
11	122 PCB-158/160	45.28	45.26	4.754e3	4.141e3	1.240	1.15	NO	15.480	15.480
12	123 PCB-129	45.54	45.53	1.059e3	1.004e3	1.240	1.05	NO	5.1358	5.1358
13	124 PCB-166	46.02	45.96	1.160e2	9.657e1	1.240	1.20	NO	0.33575	0.33575



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	R/R	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs				1.0316	5.267	0.00		0.000		NO	536.9		4.49	536.9

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
13	126 PCB-126/162	46.65	46.62	5.197e3	4.151e3	1.240	1.25	NO	18.598	18.598
14	127 PCB-167	47.06	47.06	1.819e3	1.416e3	1.240	1.28	NO	5.3620	5.3620
15	128 PCB-156	48.39	48.39	4.207e3	3.579e3	1.240	1.18	NO	12.634	12.634
16	129 PCB-157	48.67	48.65	7.254e2	5.346e2	1.240	1.36	NO	2.2477	2.2477

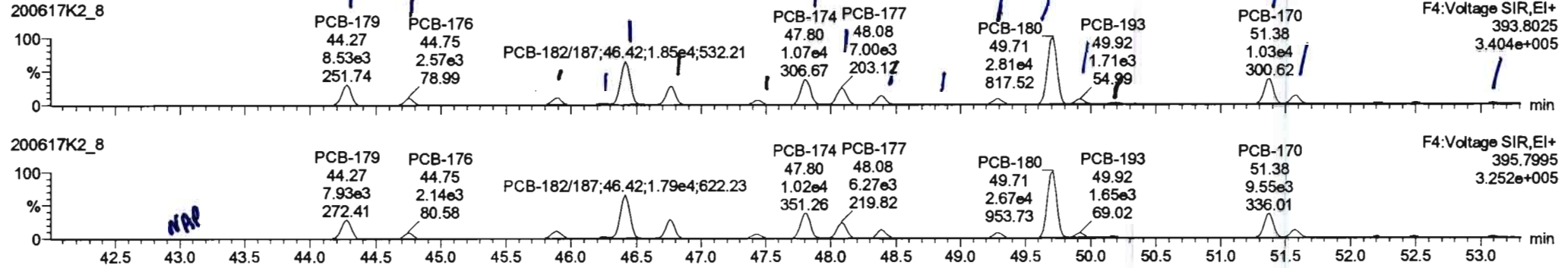


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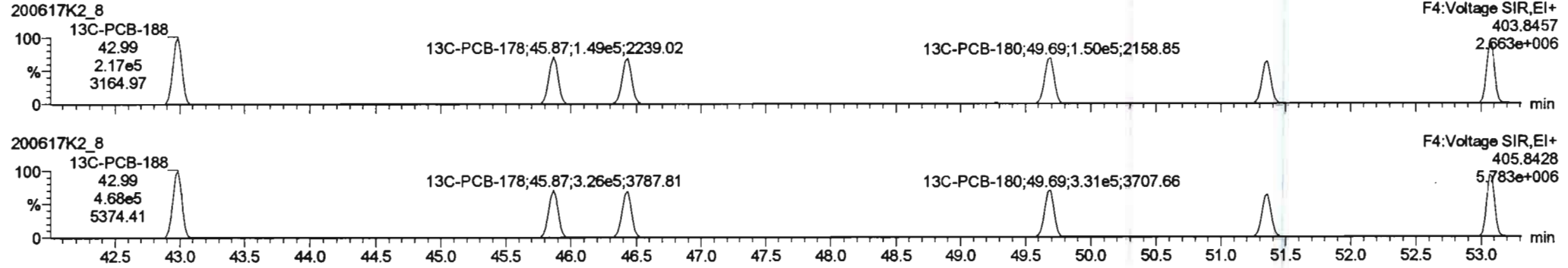
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Printed: Thursday, June 18, 2020 09:48:35 Pacific Daylight Time

Name: 200617K2\_8, Date: 18-Jun-2020, Time: 07:38:06, ID: 2001154-03 PDI-174SC-A-00-01-200521 10, Description: PDI-174SC-A-00-01-200521

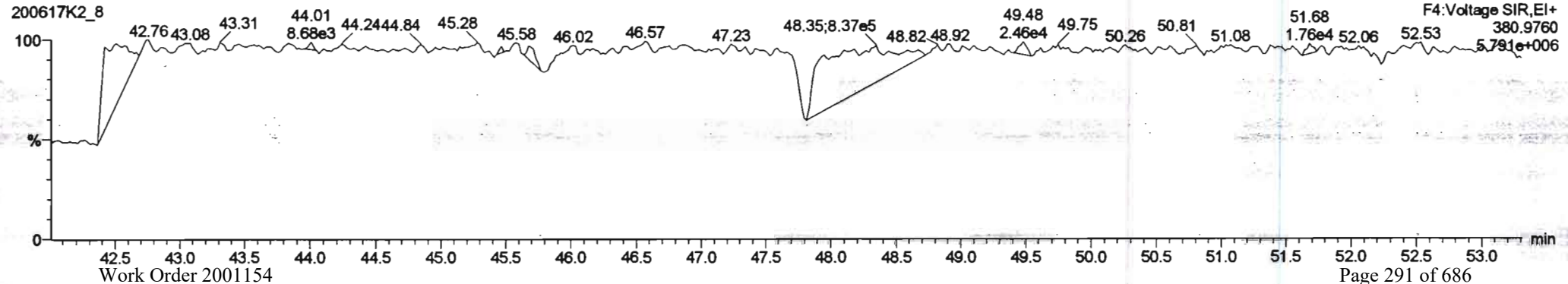
**PCB-188**



**13C-PCB-188**



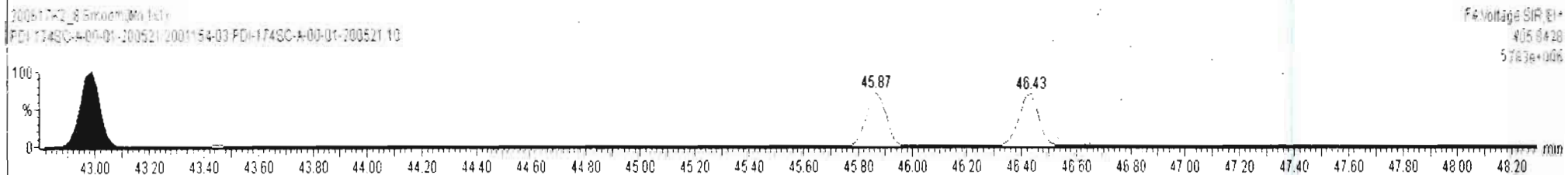
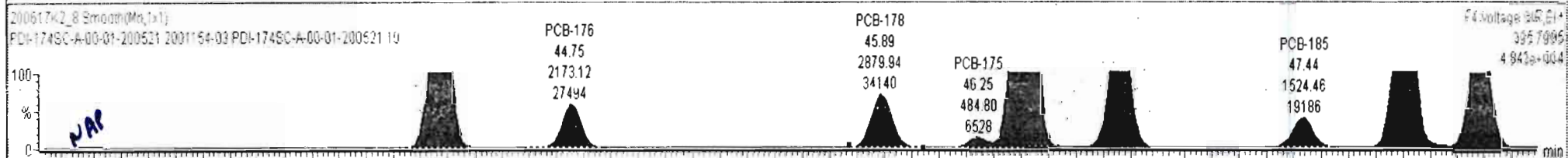
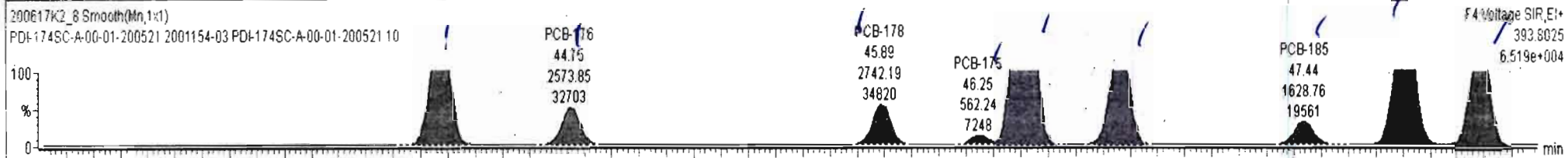
**PFK4c**



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	Total Hepta-PCBs				1.3551	5.287	0.00		0.000		NO	572.6		7.36	582.7

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
2	134 PCB-176	44.74	44.75	2.574e3	2.173e3	1.050	1.18	NO	10.014	10.014
3	136 PCB-178	45.89	45.89	2.742e3	2.880e3	1.050	0.95	NO	16.455	16.455
4	137 PCB-175	46.24	46.25	5.622e2	4.848e2	1.050	1.16	NO	3.0229	3.0229
5	138 PCB-182/187	46.42	46.42	1.859e4	1.798e4	1.050	1.03	NO	94.702	94.702
6	139 PCB-183	46.76	46.76	7.591e3	7.312e3	1.050	1.04	NO	40.225	40.225
7	140 PCB-185	47.44	47.44	1.629e3	1.524e3	1.050	1.07	NO	8.8229	8.8229
8	141 PCB-174	47.82	47.80	1.071e4	1.023e4	1.050	1.05	NO	60.850	60.850
9	143 PCB-177	48.08	48.08	7.003e3	6.274e3	1.050	1.12	NO	40.866	40.866

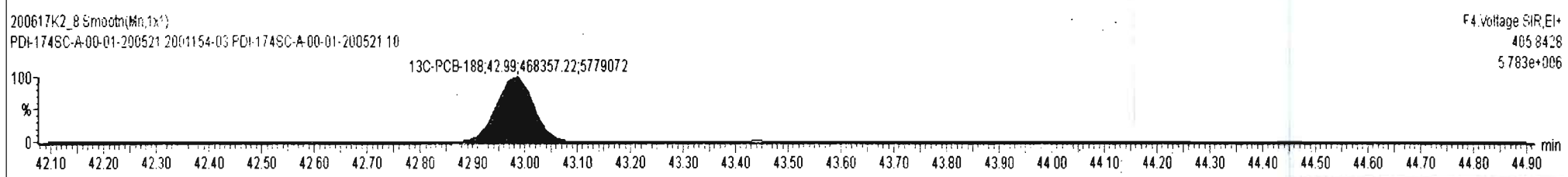
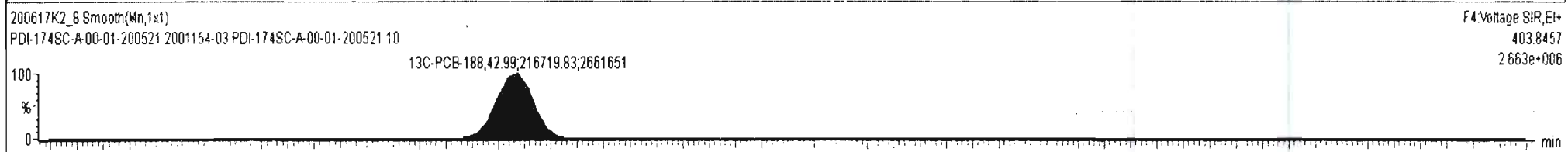
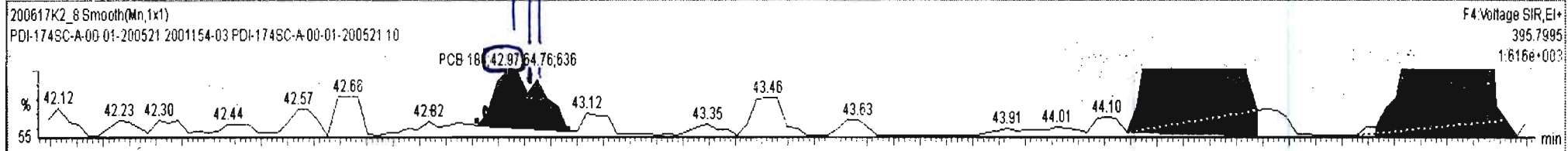
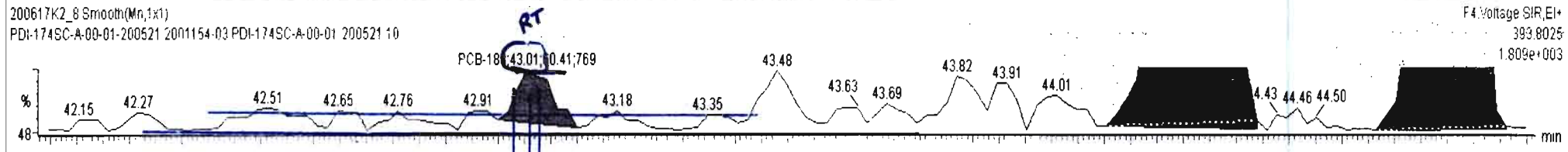


Ready

200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	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	5.267	0.00		0.000		NO	572.9		7.36	583.0

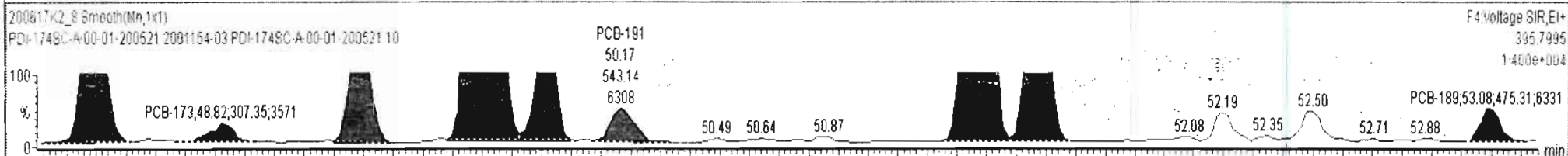
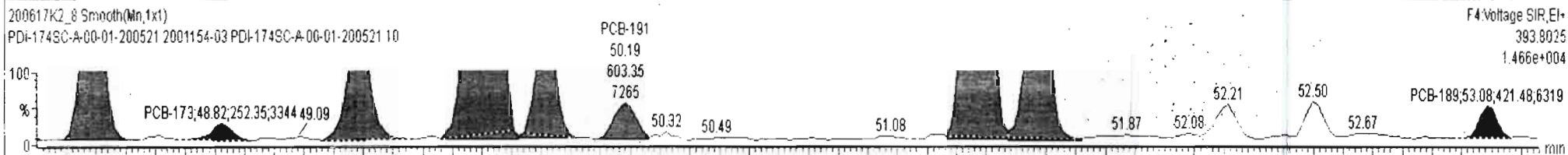
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	131 PCB-188	43.02	43.01	6.041e1	6.476e1	1.050	0.93	NO	0.26796	0.26796
2	133 PCB-179	44.28	44.27	8.547e3	7.959e3	1.050	1.07	NO	35.104	35.104
3	134 PCB-176	44.74	44.75	2.574e3	2.173e3	1.050	1.18	NO	10.014	10.014
4	136 PCB-178	45.89	45.89	2.742e3	2.880e3	1.050	0.95	NO	16.455	16.455
5	137 PCB-175	46.24	46.25	5.622e2	4.848e2	1.050	1.16	NO	3.0229	3.0229
6	138 PCB-182/187	46.42	46.42	1.859e4	1.798e4	1.050	1.03	NO	94.702	94.702
7	139 PCB-183	46.76	46.76	7.591e3	7.312e3	1.050	1.04	NO	40.225	40.225
8	140 PCB-185	47.44	47.44	1.629e3	1.524e3	1.050	1.07	NO	8.8229	8.8229
9	141 PCB-174	47.82	47.80	1.071e4	1.023e4	1.050	1.05	NO	60.850	60.850
10	143 PCB-177	48.06	48.08	7.003e3	6.274e3	1.050	1.12	NO	40.866	40.866



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RPT Fail	Conc.	%Rec	DL	EMFC
233	Total Hepta-PCBs				1.3551	5.287	0.00		0.000		NO	570.4		7.36	584.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMFC	Conc.
10	144 PCB-171	48.38	48.39	3.385e3	3.035e3	1.050	1.12	NO	19.183	19.183
11	145 PCB-173	48.82	48.82	2.523e2	3.074e2	1.050	0.82	YES	1.6285	0.00030
12	146 PCB-172	49.30	49.30	2.124e3	1.748e3	1.050	1.21	YES	10.251	0.00000
13	148 PCB-180	49.71	49.71	2.827e4	2.680e4	1.050	1.05	NO	153.42	153.42
14	149 PCB-193	49.92	49.92	1.815e3	1.705e3	1.050	1.06	NO	8.2552	8.2552
15	150 PCB-191	50.18	50.19	6.034e2	5.431e2	1.050	1.11	NO	2.6367	2.6367
16	151 PCB-170	51.38	51.38	1.039e4	9.576e3	1.050	1.09	NO	61.832	61.832
17	152 PCB-190	51.57	51.59	3.480e3	2.934e3	1.050	1.19	NO	15.033	15.033
18	153 PCB-189	53.08	53.08	4.215e2	4.753e2	1.050	0.89	YES	1.9213	0.00000

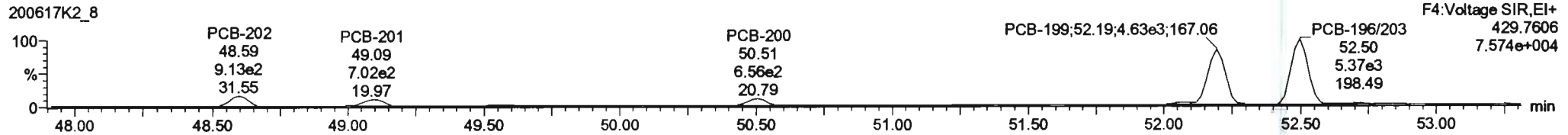
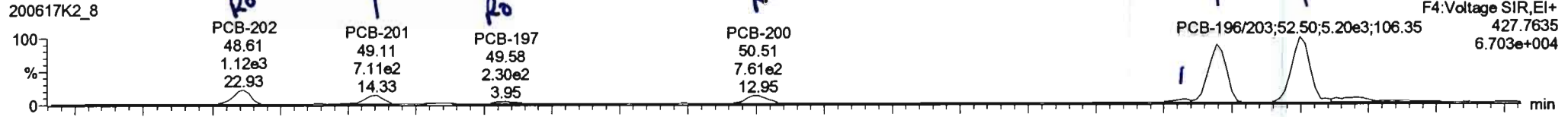


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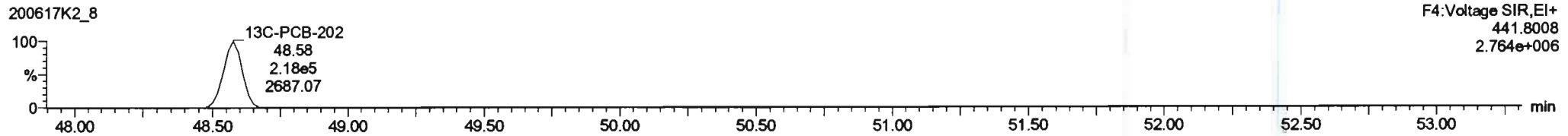
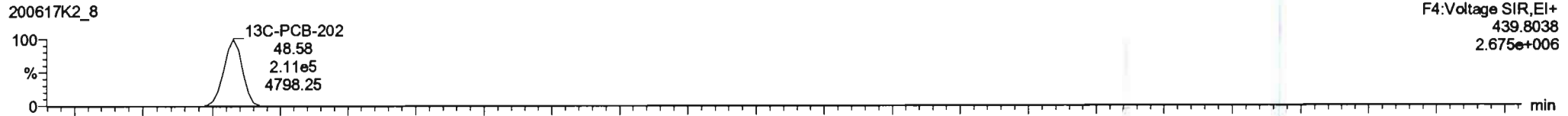
Last Altered: Thursday, June 18, 2020 09:48:14 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 09:48:35 Pacific Daylight Time

Name: 200617K2\_8, Date: 18-Jun-2020, Time: 07:38:06, ID: 2001154-03 PDI-174SC-A-00-01-200521 10, Description: PDI-174SC-A-00-01-200521

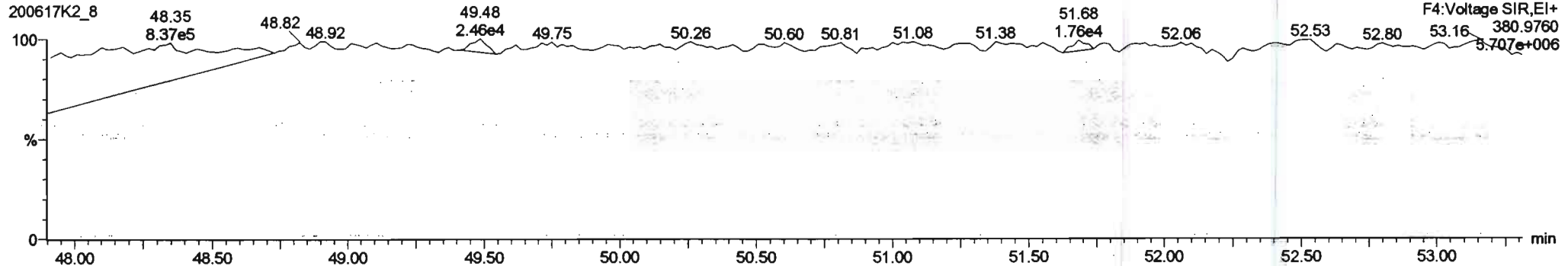
**PCB-202**



**13C-PCB-202**



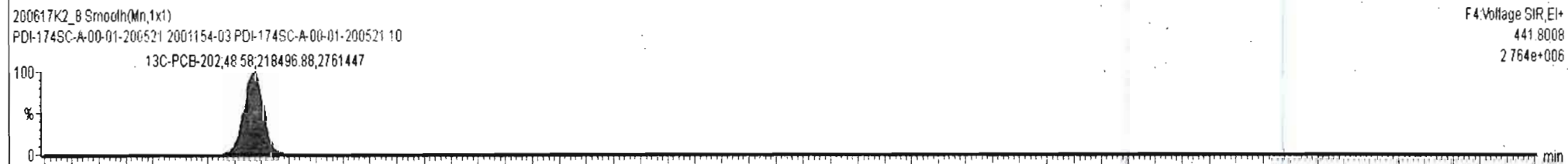
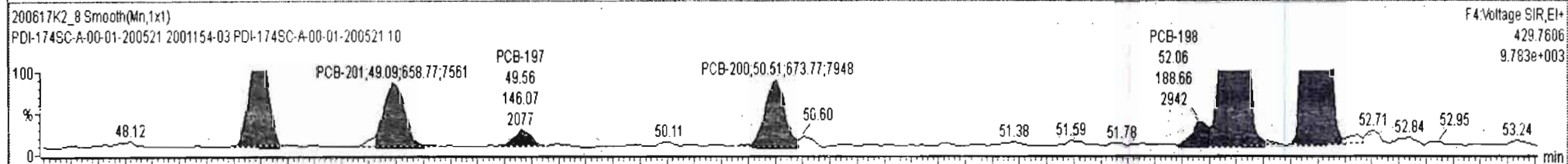
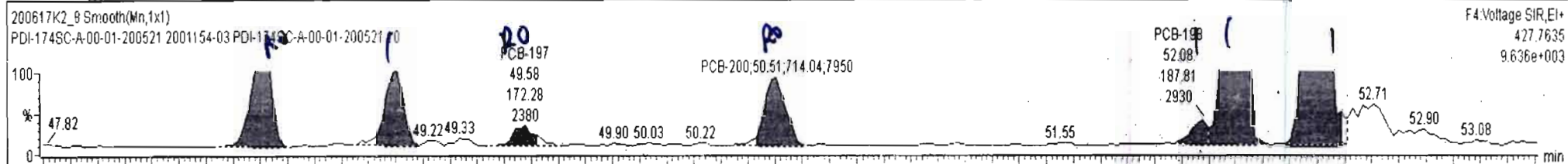
**PFK4d**



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				1.0008	5.267	0.00		0.000		NO	111.7		5.67	124.7

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	154 PCB-202	48.61	48.61	1.096e3	9.319e2	0.890	1.18	YES	6.6392	0.00000
2	155 PCB-201	49.10	49.11	6.657e2	6.588e2	0.890	1.01	NO	5.5401	5.5401
3	157 PCB-197	49.57	49.58	1.723e2	1.461e2	0.890	1.18	YES	1.0733	0.00000
4	158 PCB-200	50.50	50.51	7.140e2	6.738e2	0.890	1.06	YES	5.2391	0.00000
5	159 PCB-198	52.08	52.08	1.878e2	1.887e2	0.890	1.00	NO	2.0884	2.0884
6	160 PCB-199	52.18	52.19	4.402e3	4.623e3	0.890	0.95	NO	49.107	49.107
7	161 PCB-196/203	52.50	52.50	5.143e3	5.320e3	0.890	0.97	NO	54.966	54.966



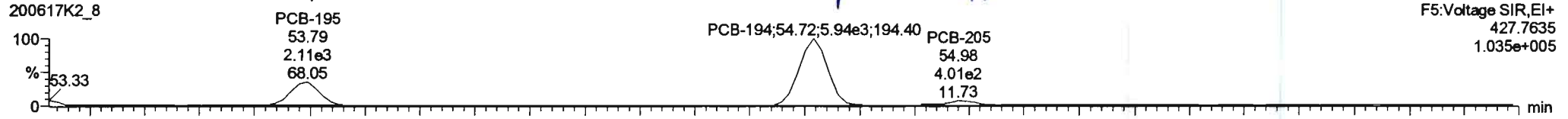


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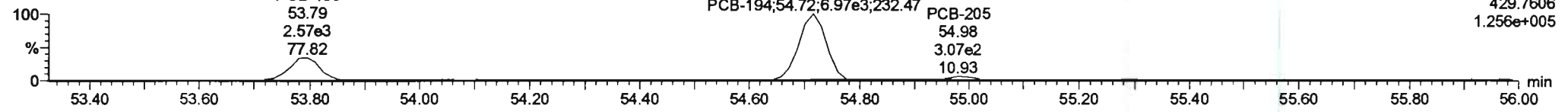
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Name: 200617K2\_8, Date: 18-Jun-2020, Time: 07:38:06, ID: 2001154-03 PDI-174SC-A-00-01-200521 10, Description: PDI-174SC-A-00-01-200521

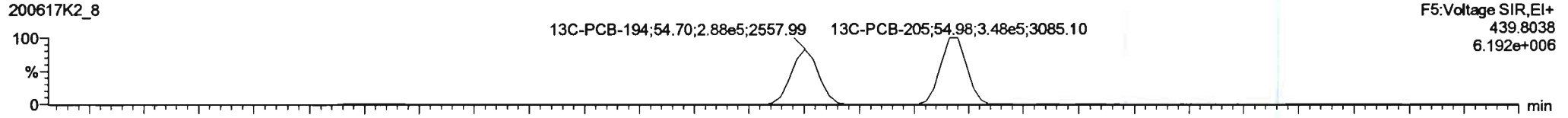
**PCB-195**



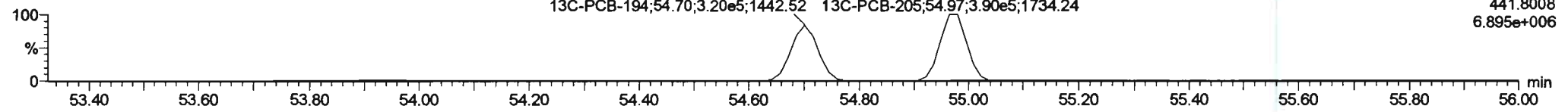
**PCB-195**



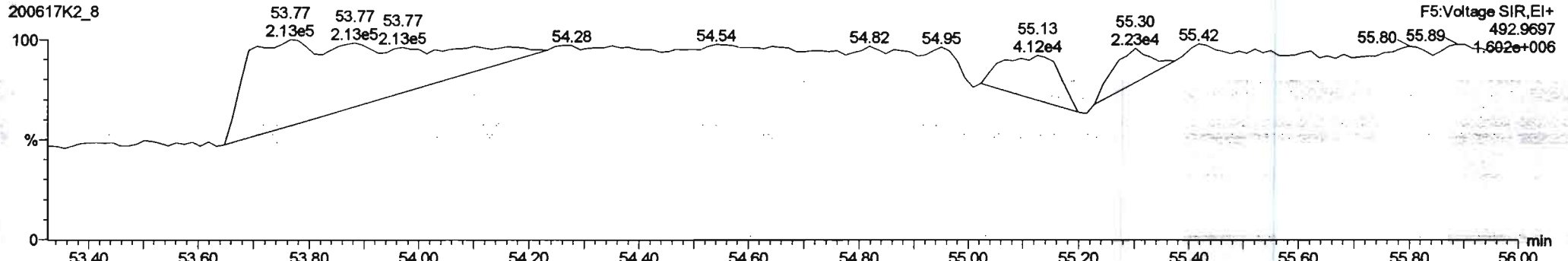
**13C-PCB-194**



**13C-PCB-194**



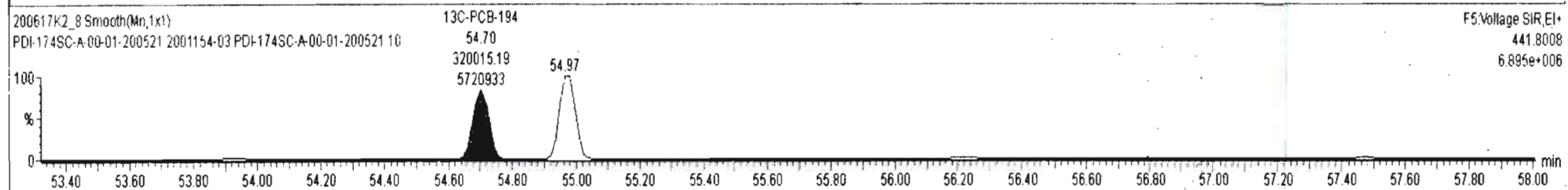
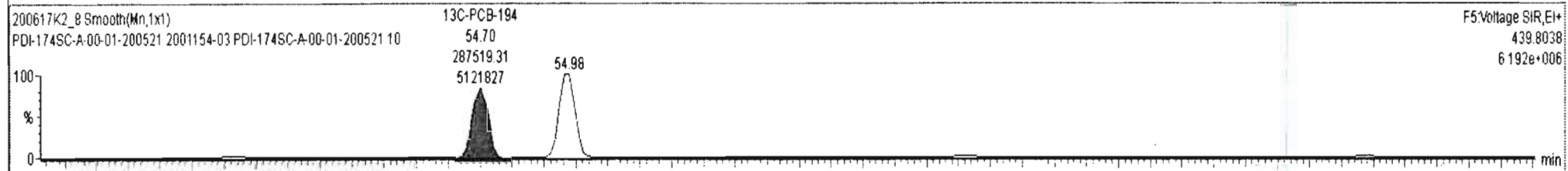
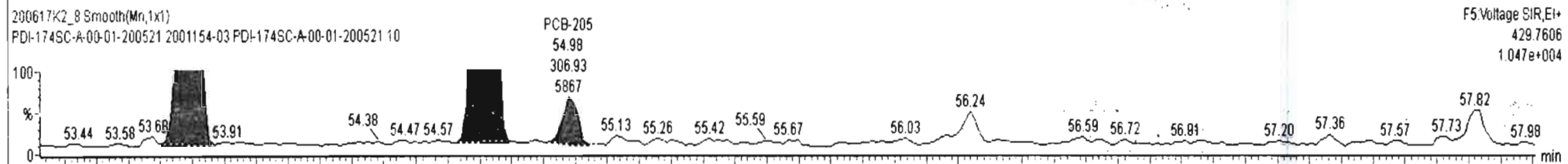
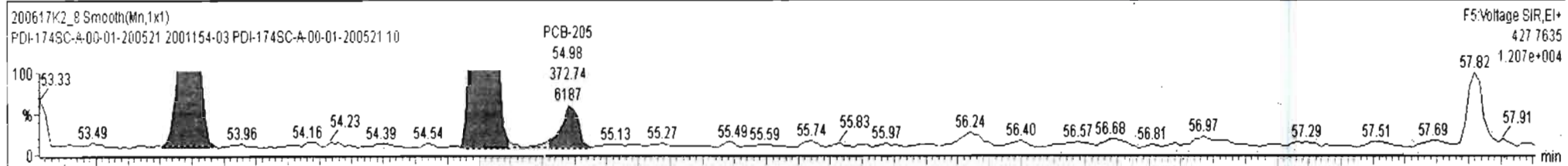
**PFK5a**



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
235	5th Function Octa-PCBs				1.1499	5.287	0.00		0.000		NO	50.00		0.975	51.40

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	162 PCB-195	53.80	53.79	2.124e3	2.583e3	0.890	0.82	NO	14.029	14.029
2	163 PCB-194	54.72	54.72	5.913e3	6.982e3	0.890	0.85	NO	35.972	35.972
3	164 PCB-205	54.98	54.98	3.727e2	3.069e2	0.890	1.21	YES	1.4006	0.00000



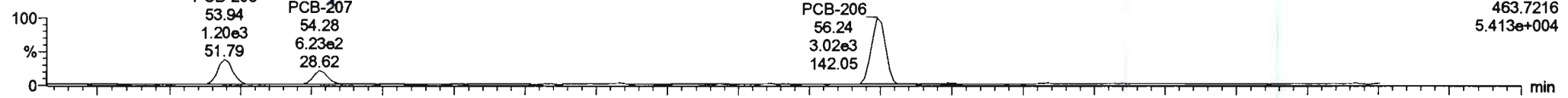
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Printed: Thursday, June 18, 2020 09:48:35 Pacific Daylight Time

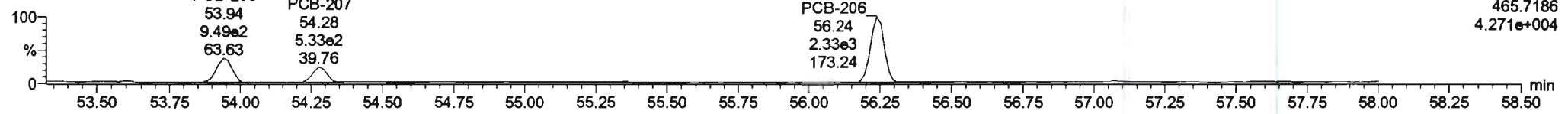
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**PCB-208**

200617K2\_8

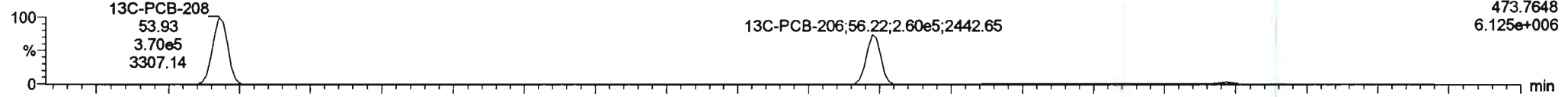


200617K2\_8

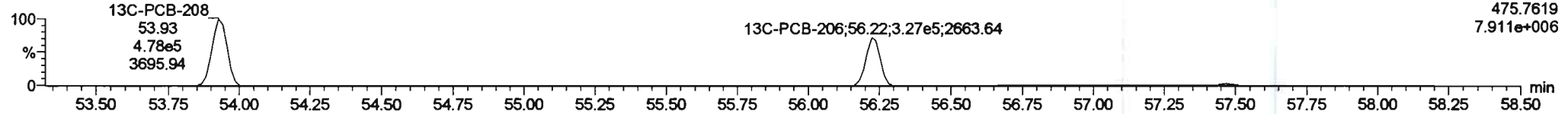


**13C-PCB-208**

200617K2\_8

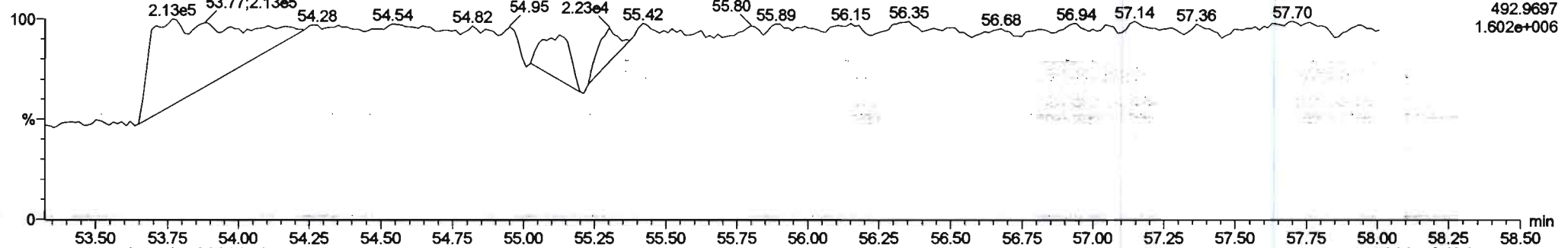


200617K2\_8



**PFK5**

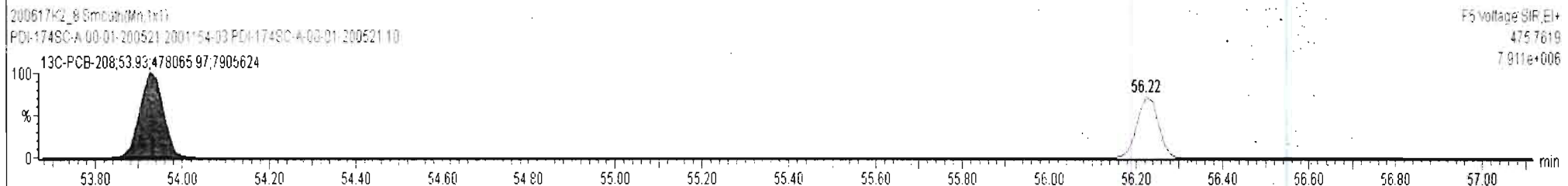
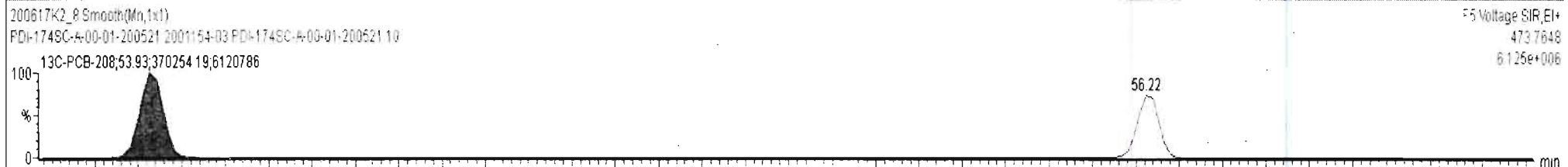
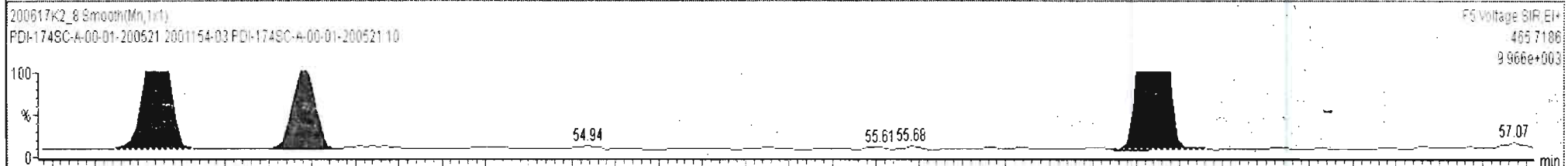
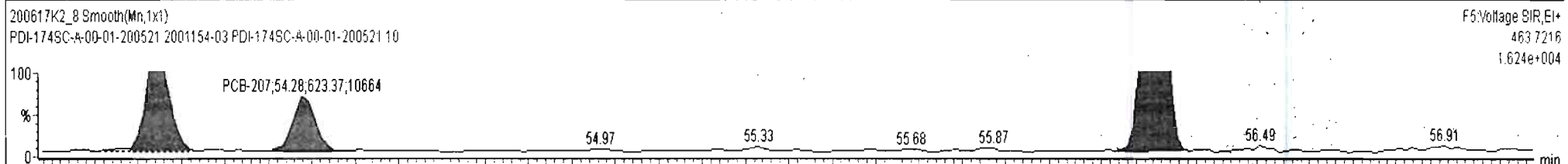
200617K2\_8



200617K2\_8 - 2001154-03 PDI-174SC-A-00-01-200521 10 - PDI-174SC-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
236	236 Total Nona-PCBs				0.9523	5.287	0.00		0.000		NO	24.98		0.584	24.98

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	185 PCB-208	53.94	53.94	1.179e3	9.472e2	1.340	1.24	NO	5.0801	5.0801
2	186 PCB-207	54.26	54.26	6.234e2	5.334e2	1.340	1.17	NO	2.8146	2.8146
3	167 PCB-206	56.24	56.24	3.025e3	2.320e3	1.340	1.30	NO	17.088	17.088



Dataset: Untitled

Last Altered: Thursday, June 18, 2020 09:48:14 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 09:48:35 Pacific Daylight Time

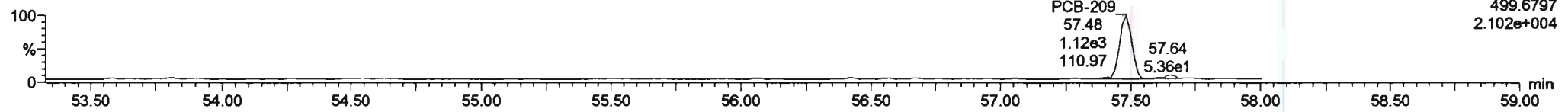
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**PCB-209**

200617K2\_8

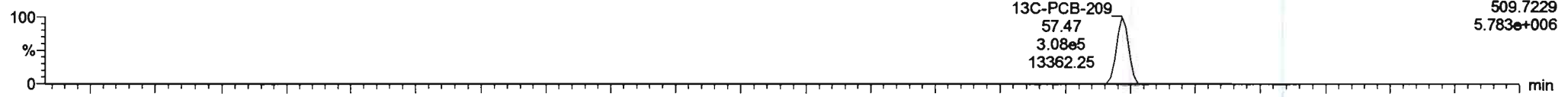


200617K2\_8

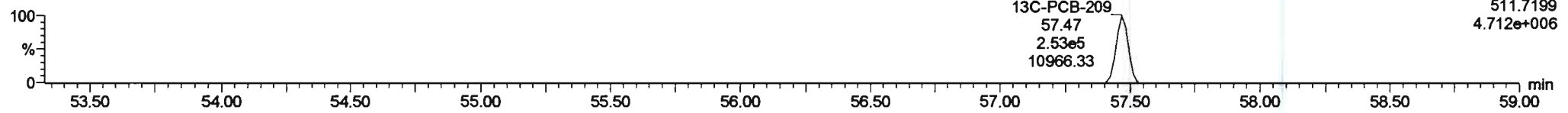


**13C-PCB-209**

200617K2\_8

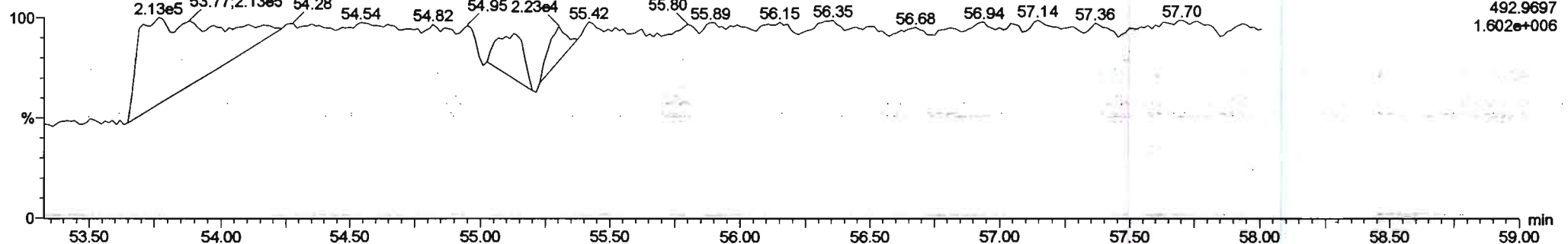


200617K2\_8



**PFK5b**

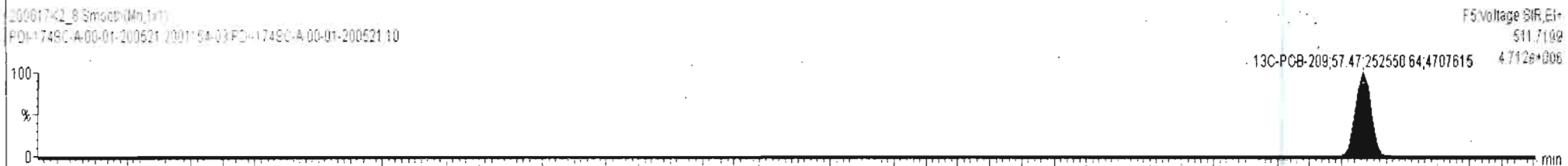
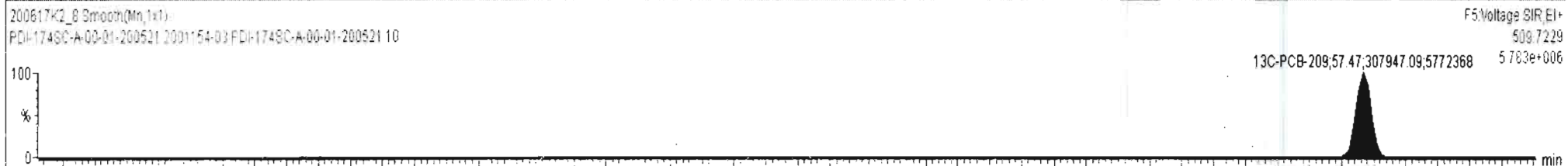
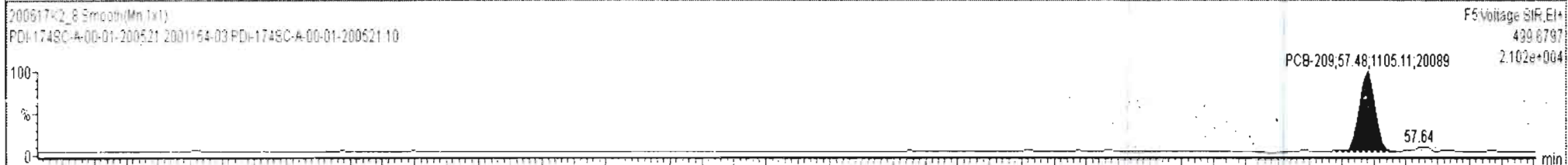
200617K2\_8



200617K2\_8 - 2001154-03 PDI-1745C-A-00-01-200521 10 - PDI-1745C-A-00-01-200521

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
236	236 Total Nona-PCBs				0.9523	5.287	0.00		0.000		NO	24.98		0.584	24.98

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	168 PCB-209	57.47	57.48	1.433e3	1.105e3	1.170	1.30	NO	8.6828	8.6828



**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

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*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	Resp	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  
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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
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

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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

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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	Prod.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

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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	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

75457

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	Reep	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	96.9
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	96.4
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	106.4
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	104.2
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	101.5
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	90.93
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	85.59
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	105.3

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

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
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	75/25/1
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

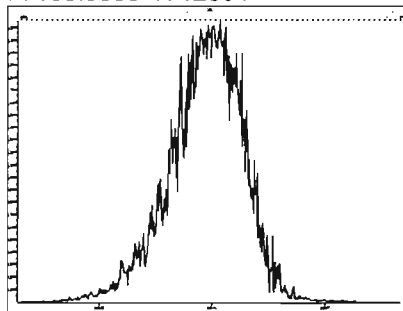
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2	200617K1_2	B0F0004-BS1 OPR 10	17-Jun-20	14:16:40
3	200617K1_3	SOLVENT BLANK	17-Jun-20	15:17:34
4	200617K1_4	B0F0004-BLK1 Method Blank 10	17-Jun-20	16:18:31
5	200617K1_5	B0F0004-DUP1 Duplicate 10	17-Jun-20	17:21:54
6	200617K1_6	B0F0004-DUP2 Duplicate 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



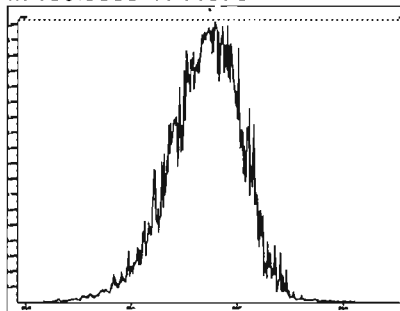
File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, June 17, 2020 13:08:34 Pacific Daylight Time

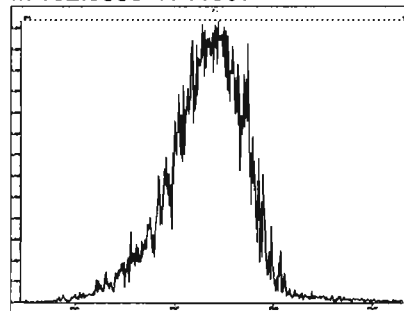
M 168.9888 R 12504



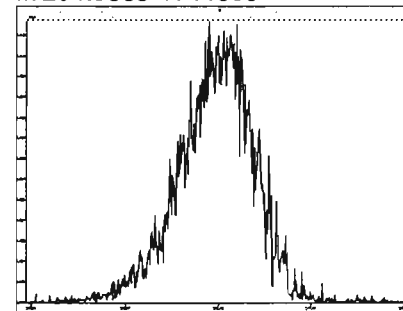
M 180.9888 R 11575



M 192.9888 R 11907



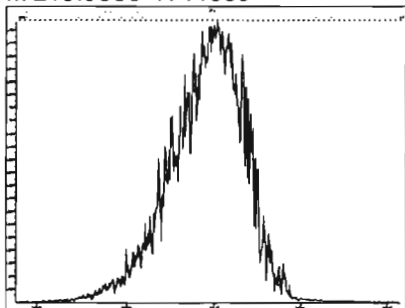
M 204.9888 R 11363



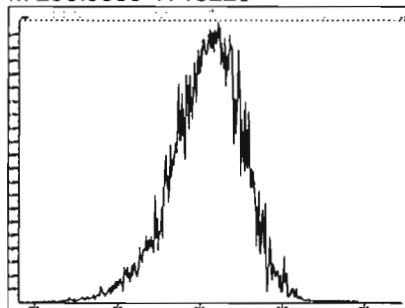
File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, June 17, 2020 13:08:58 Pacific Daylight Time

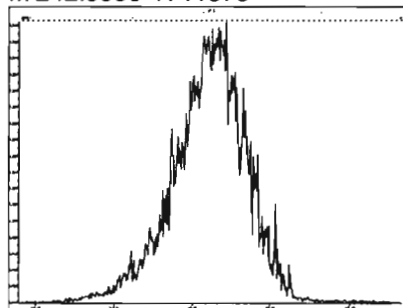
M 218.9856 R 11959



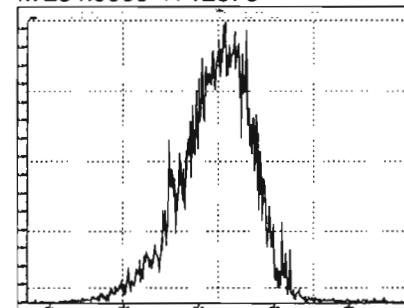
M 230.9856 R 13226



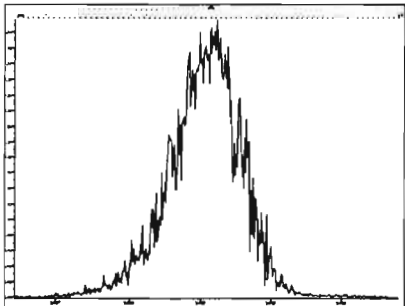
M 242.9856 R 11575



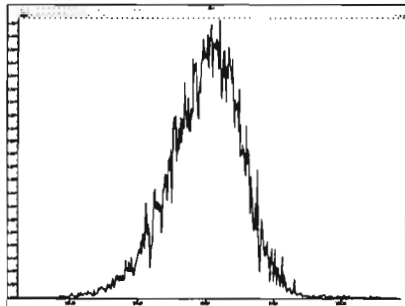
M 254.9856 R 12375



M 268.9824 R 11962



M 280.9824 R 11791



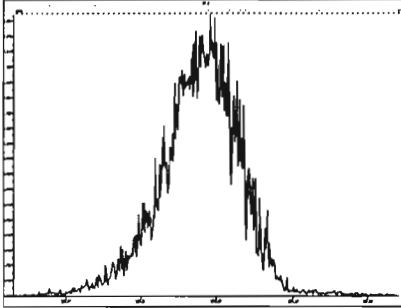
Experiment Calibration Report

MassLynx 4.1 SCN815

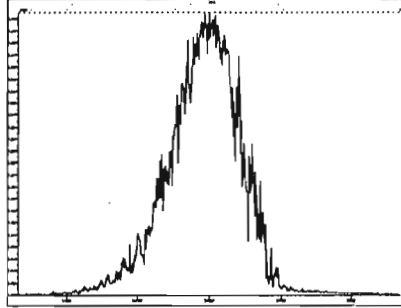
File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, June 17, 2020 13:09:36 Pacific Daylight Time

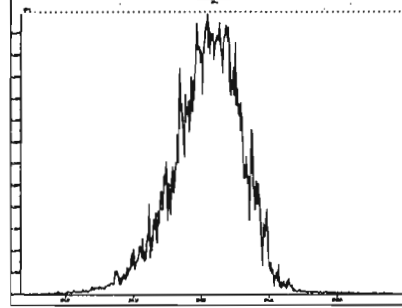
M 254.9856 R 11260



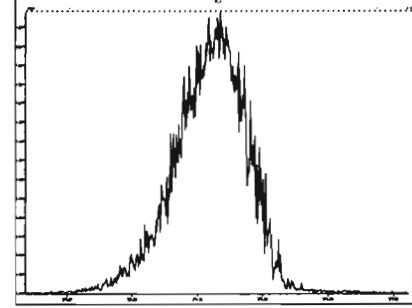
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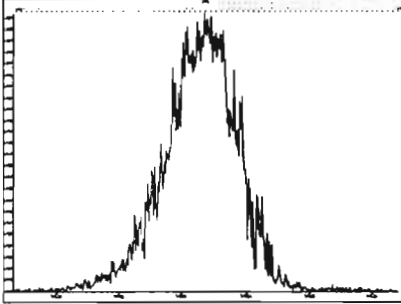
M 280.9824 R 12506



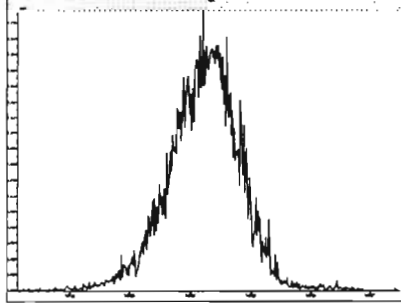
M 292.9824 R 11465



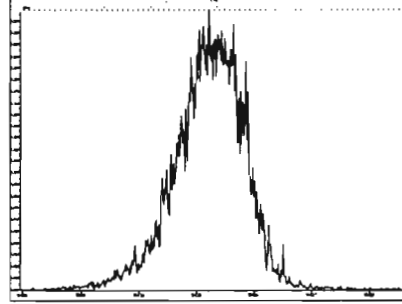
M 304.9824 R 11906



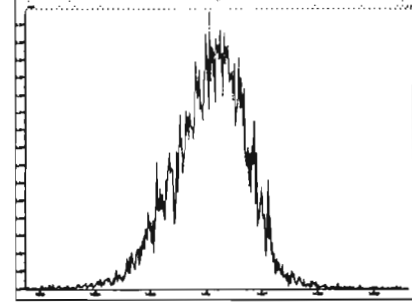
M 318.9792 R 12377



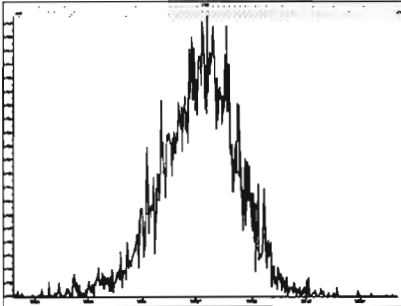
M 330.9792 R 12082



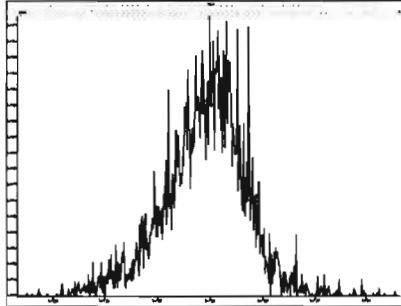
M 342.9792 R 11846



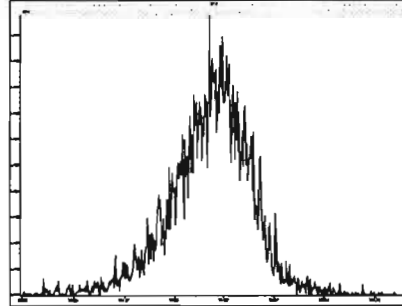
M 354.9792 R 13022



M 366.9792 R 11792



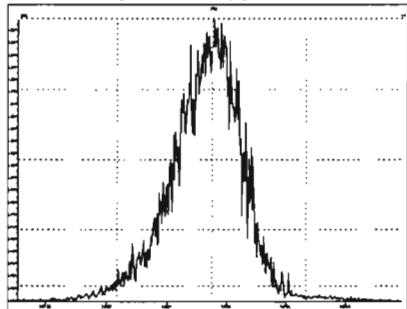
M 380.9760 R 11311



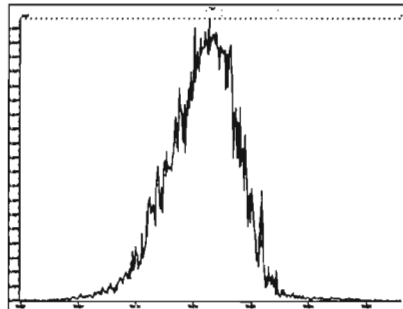
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Printed: Wednesday, June 17, 2020 13:10:17 Pacific Daylight Time

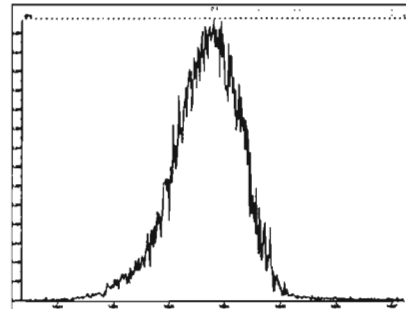
M 318.9792 R 11959



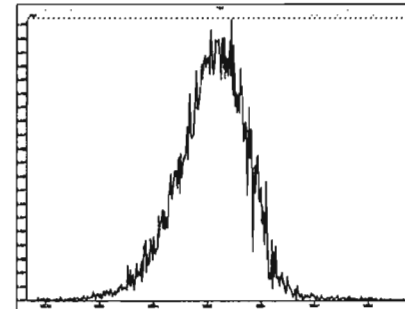
M 330.9792 R 12949



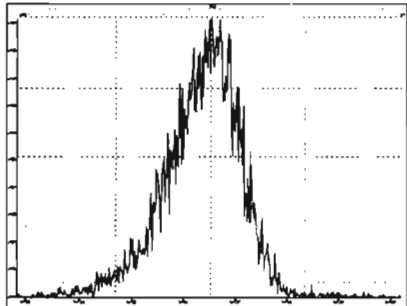
M 342.9792 R 12376



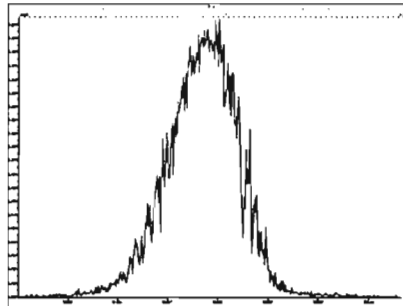
M 354.9792 R 13887



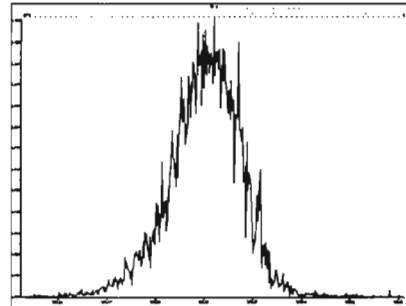
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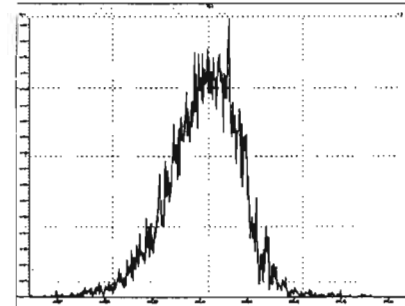
M 380.9760 R 12137



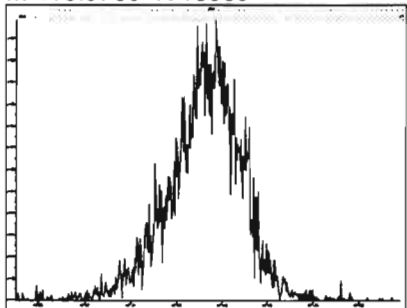
M 392.9760 R 13807



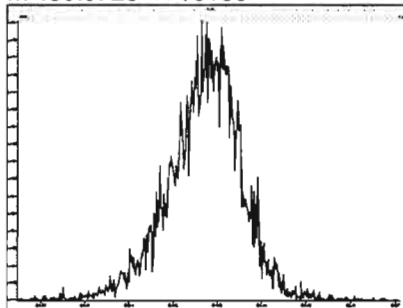
M 404.9760 R 13445



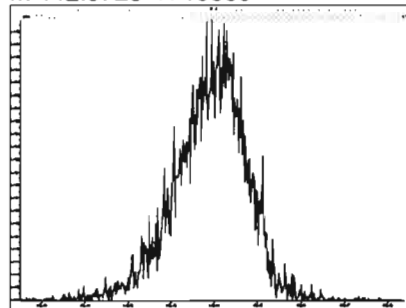
M 416.9760 R 13969



M 430.9728 R 13159



M 442.9728 R 13889



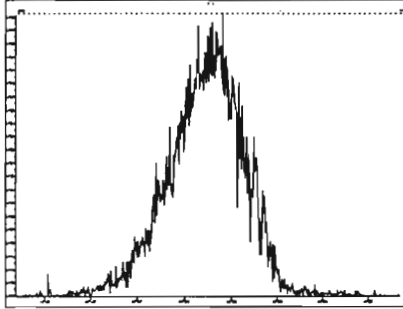
Experiment Calibration Report

MassLynx 4.1 SCN815

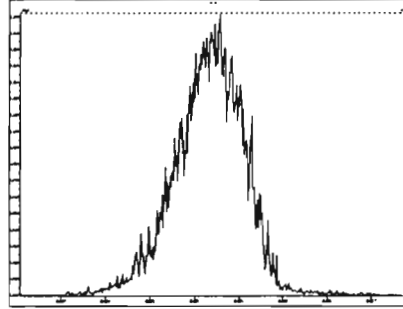
File: Experiment: PCB\_ZB1.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, June 17, 2020 13:10:46 Pacific Daylight Time

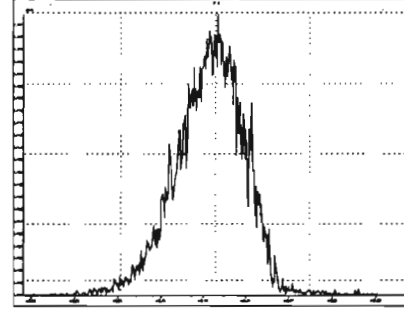
M 416.9760 R 12887



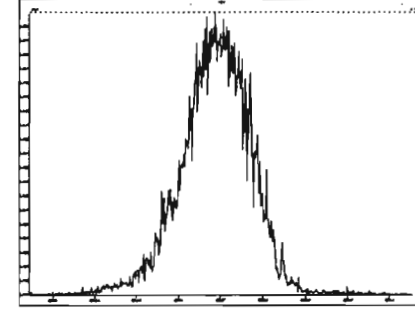
M 430.9728 R 12690



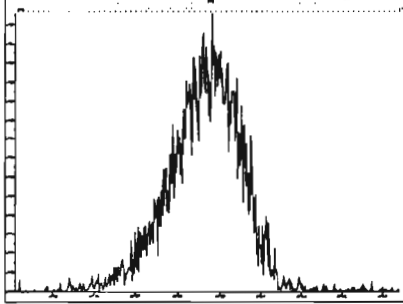
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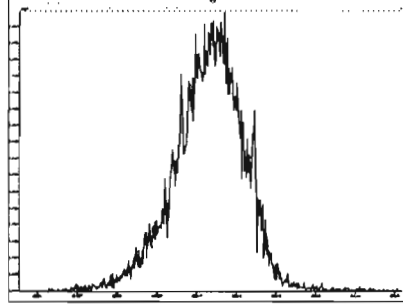
M 454.9728 R 12951



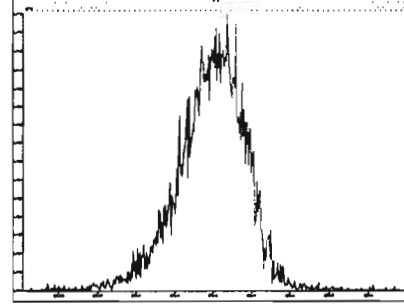
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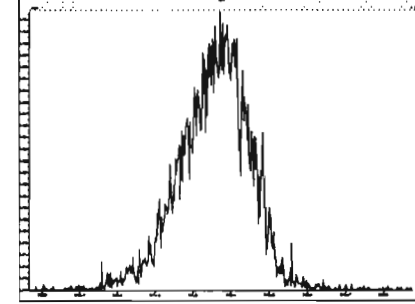
M 480.9696 R 13298



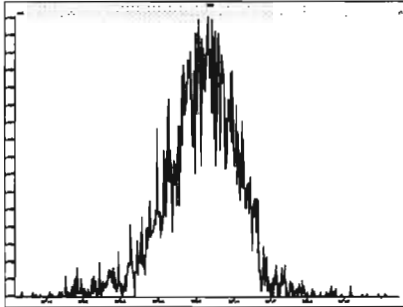
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M 504.9696 R 13226



M 516.9697 R 15530



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Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time

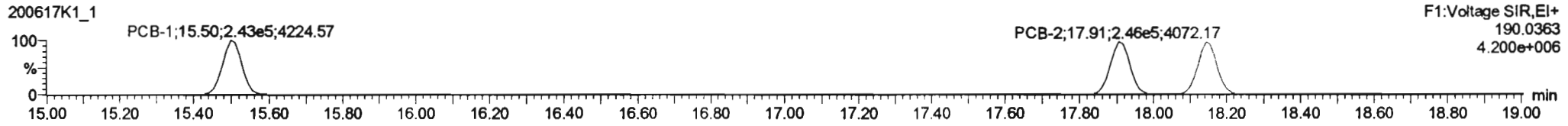
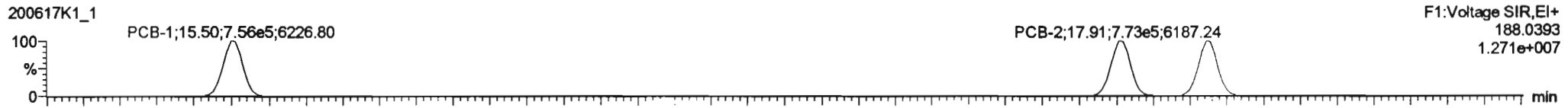
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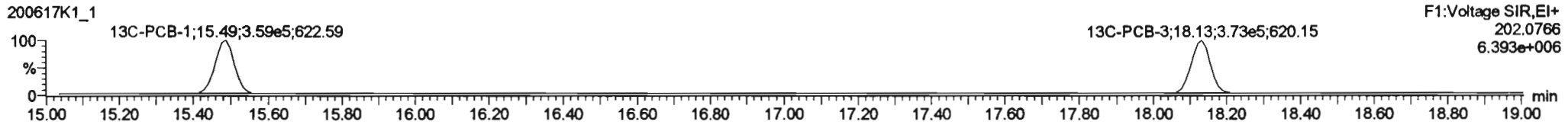
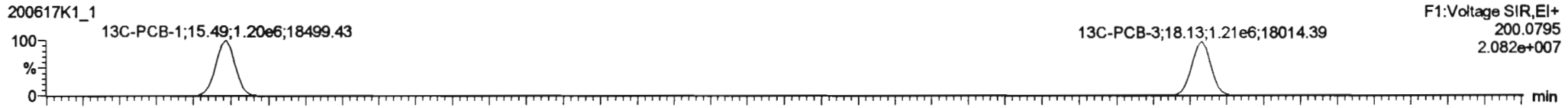
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

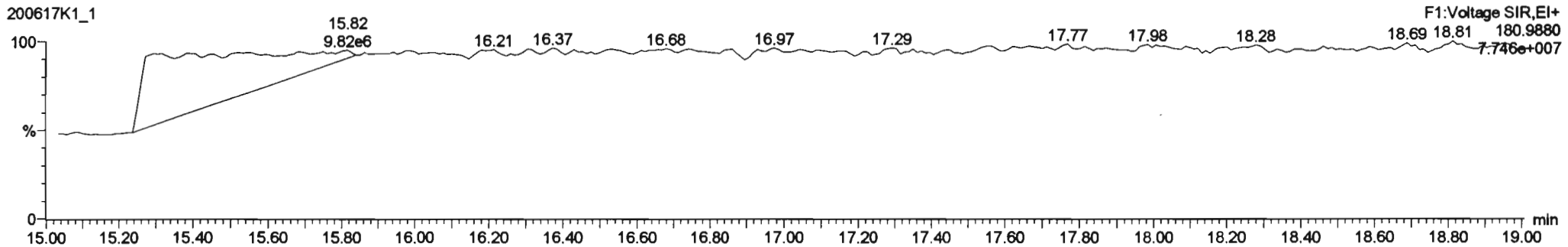
**PCB-1**



**13C-PCB-1**



**PFK1**

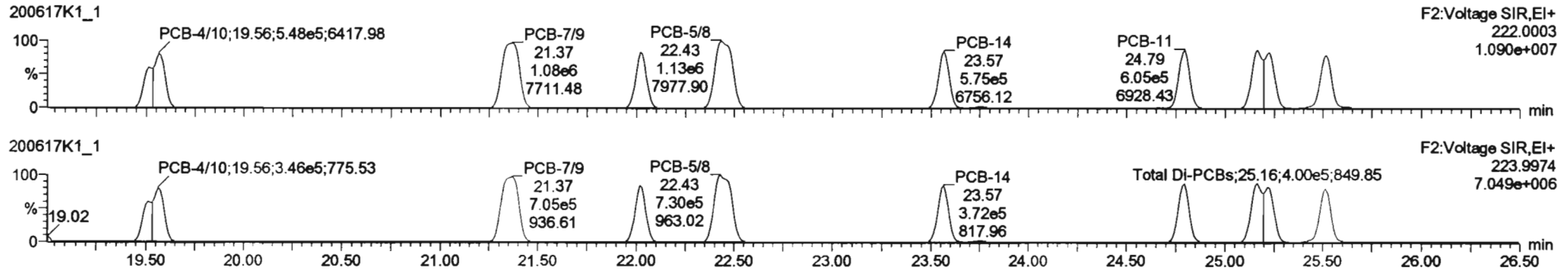


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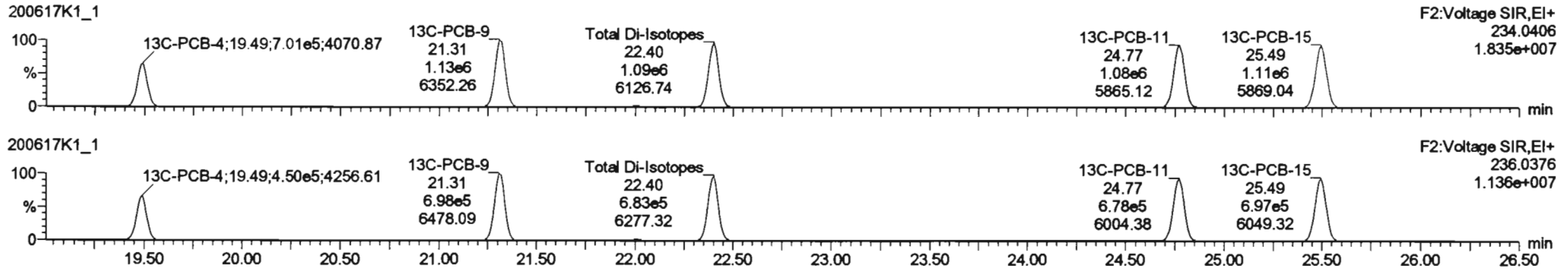
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
 Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

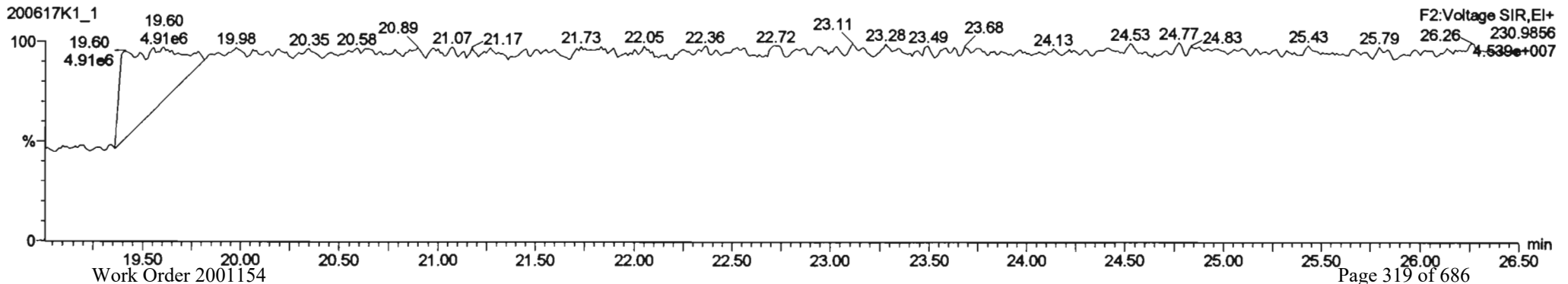
**PCB-4/10**



**13C-PCB-4**



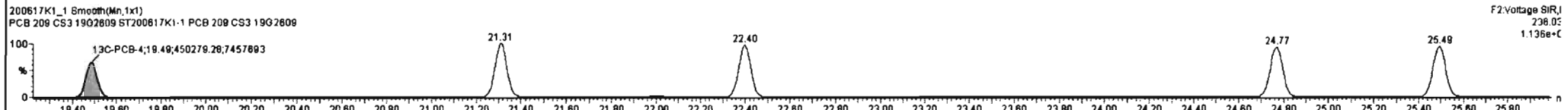
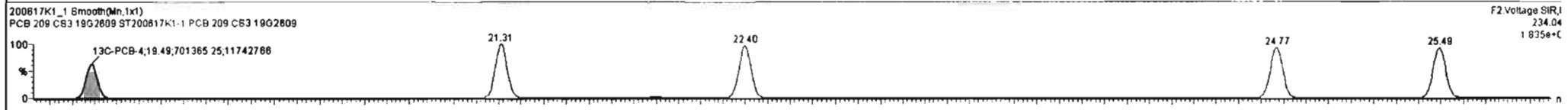
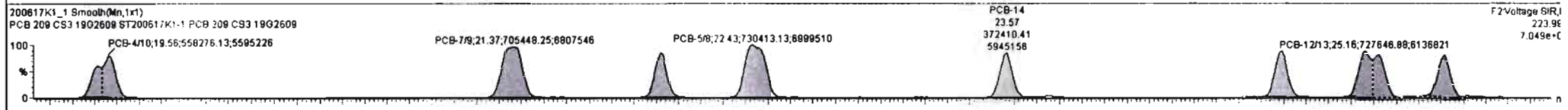
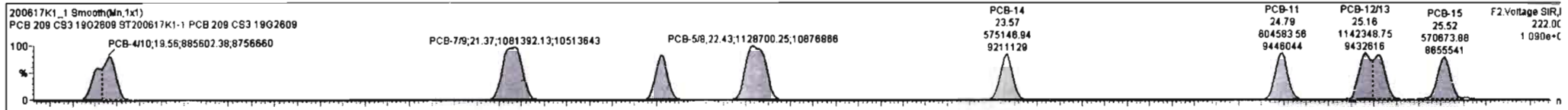
**PFK2a**





#	Name	Resp	RA	n/y	RFR	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				1.8537	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	1.081e6	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-14	22.42	22.43	1.129e6	7.304e5	1.580	1.55	NO	102.75	102.75
8	PCB-11	23.57	23.57	5.751e5	3.724e5	1.580	1.54	NO	52.878	52.878
9	PCB-12/13	24.79	24.79	8.048e5	3.888e5	1.580	1.55	NO	50.105	50.105
10	PCB-15	25.22	25.16	1.142e6	7.278e5	1.560	1.57	NO	103.40	103.40
11	PCB-15	25.53	25.52	5.707e5	3.817e5	1.560	1.58	NO	51.145	51.145



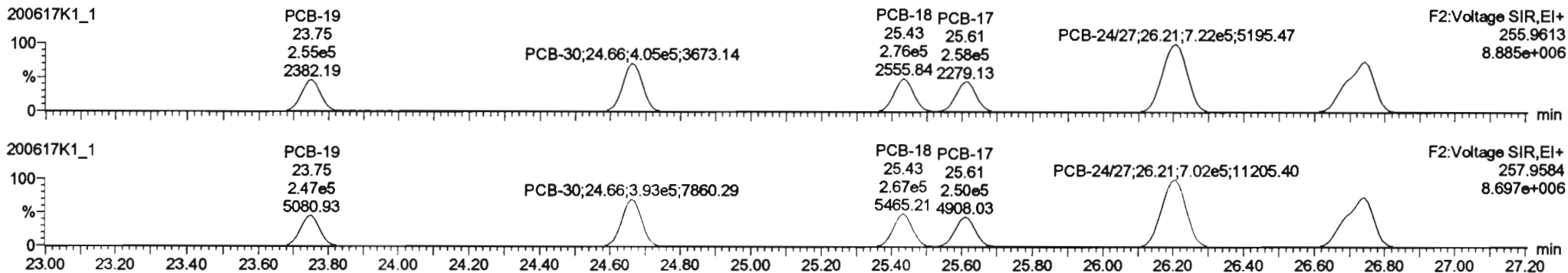


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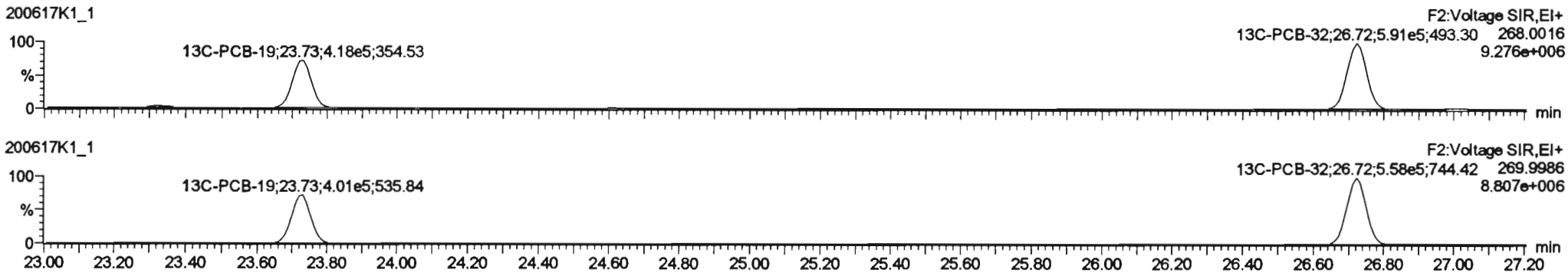
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Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

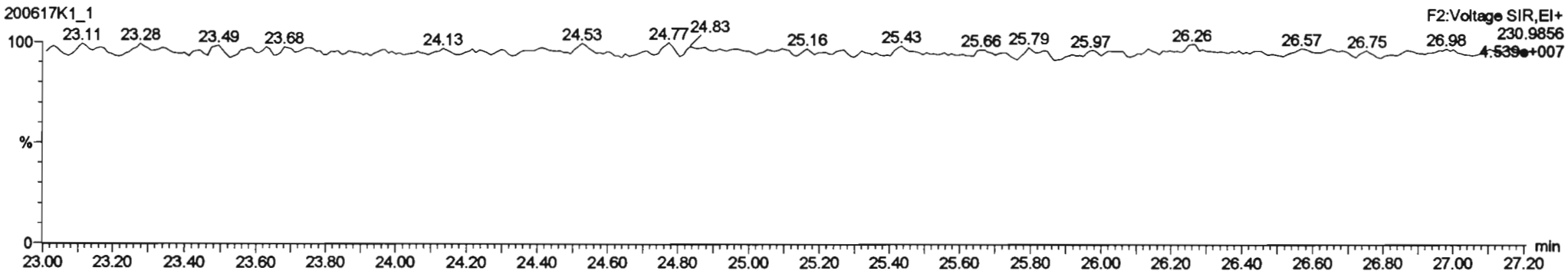
**PCB-19**



**13C-PCB-19**



**PFK2b**

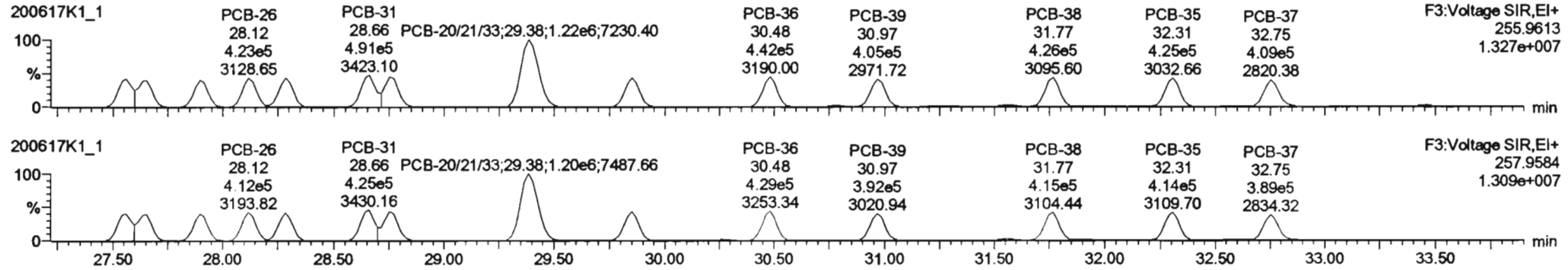


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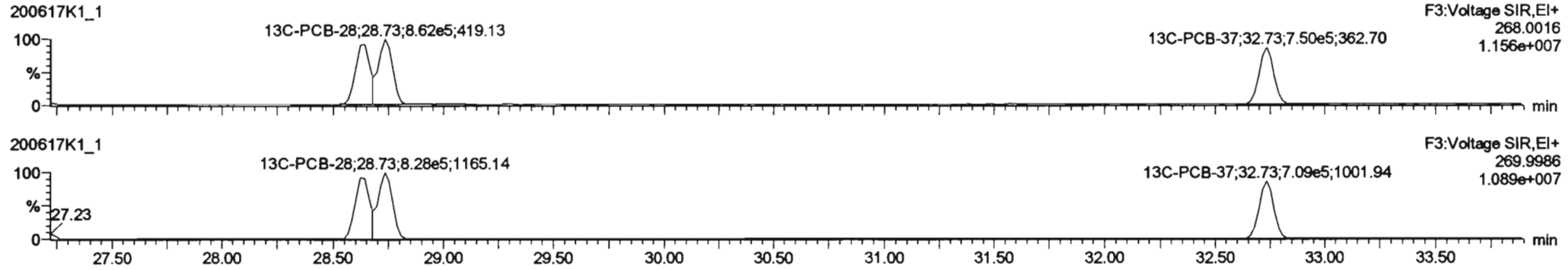
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Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

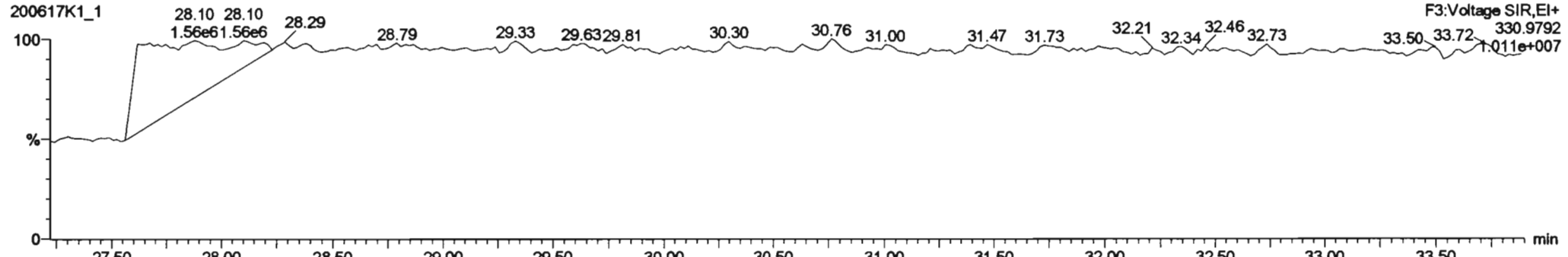
**PCB-34**

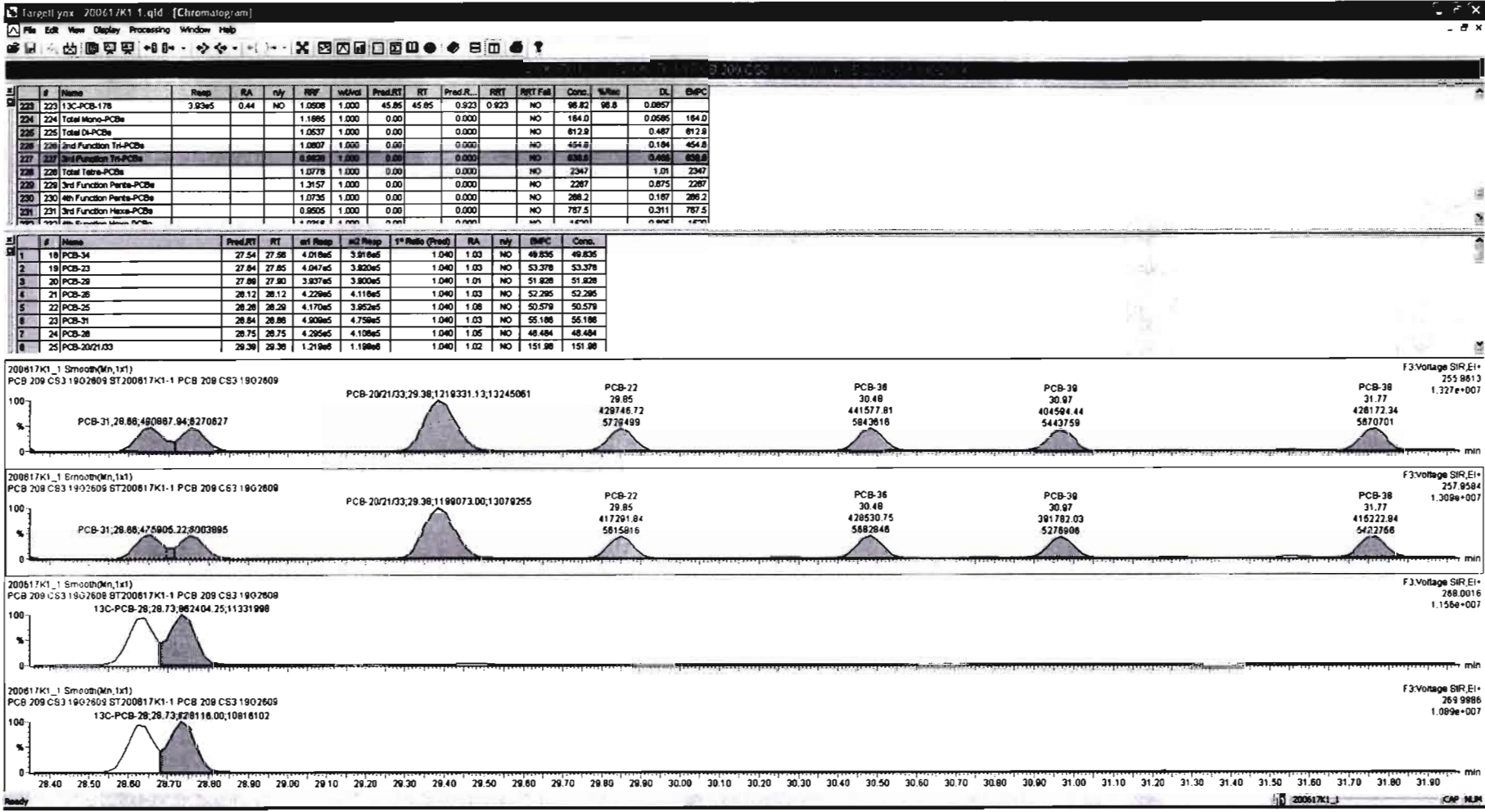


**13C-PCB-28**



**PFK3d**



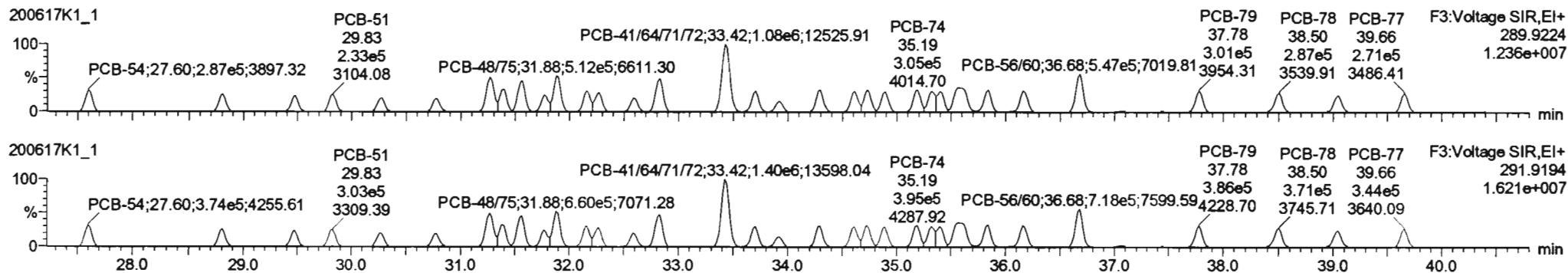


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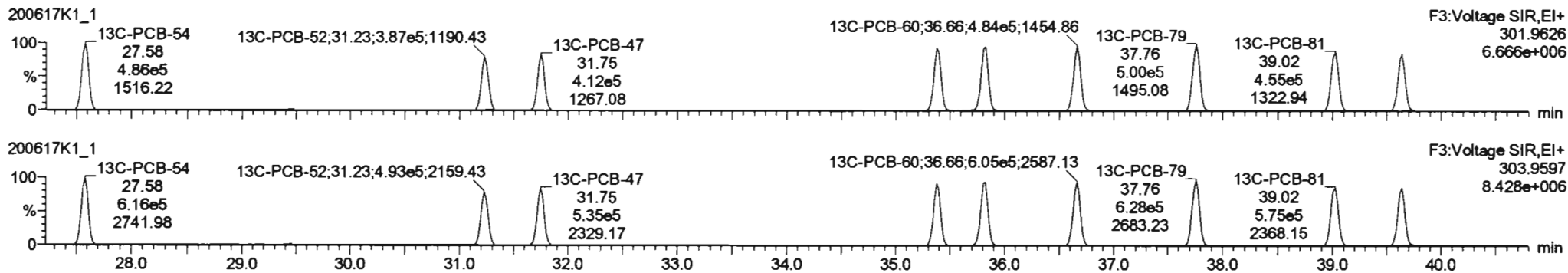
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
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Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

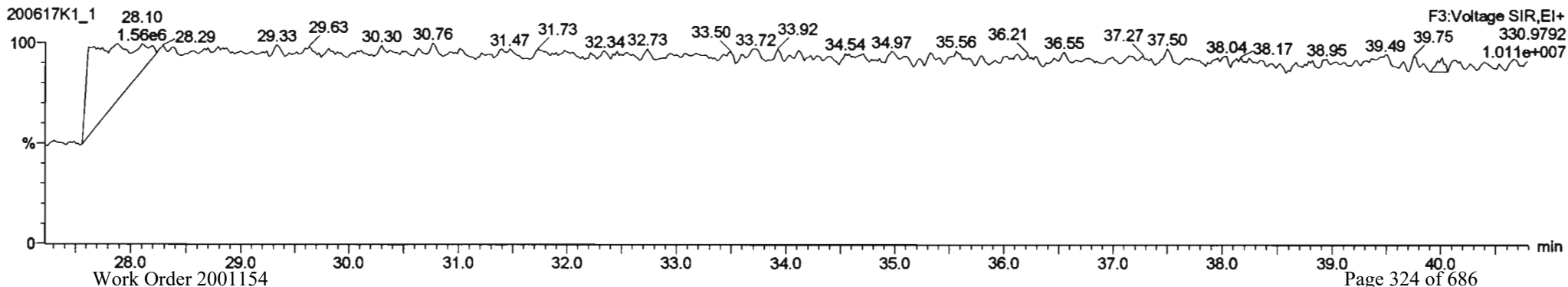
**PCB-54**



**13C-PCB-54**



**PFK3a**



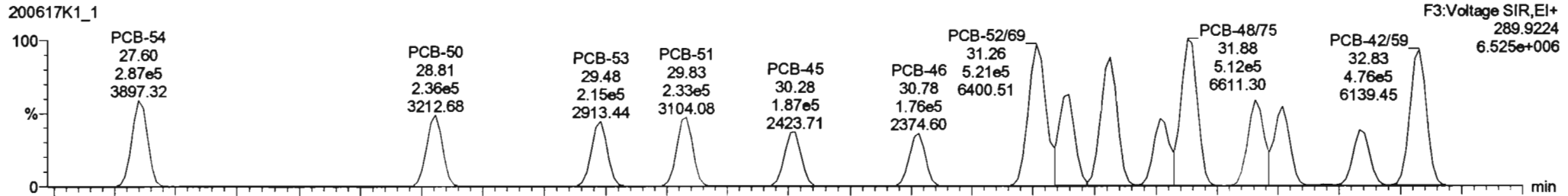
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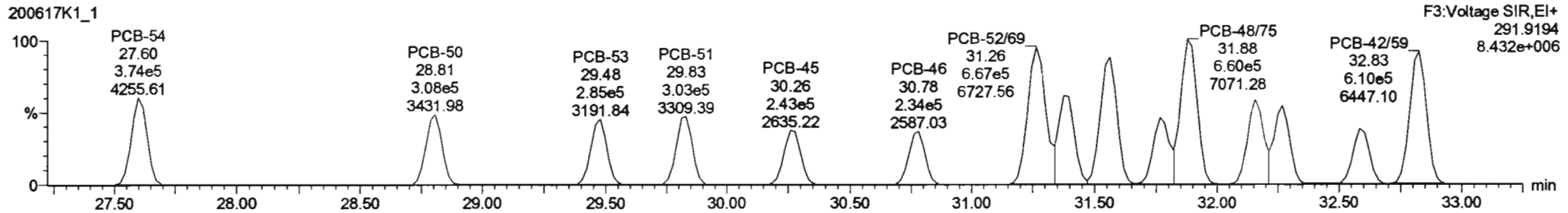
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**PCB-50**

200617K1\_1

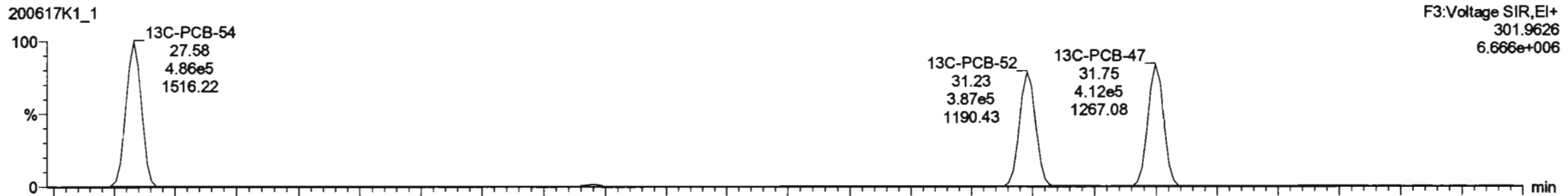


200617K1\_1

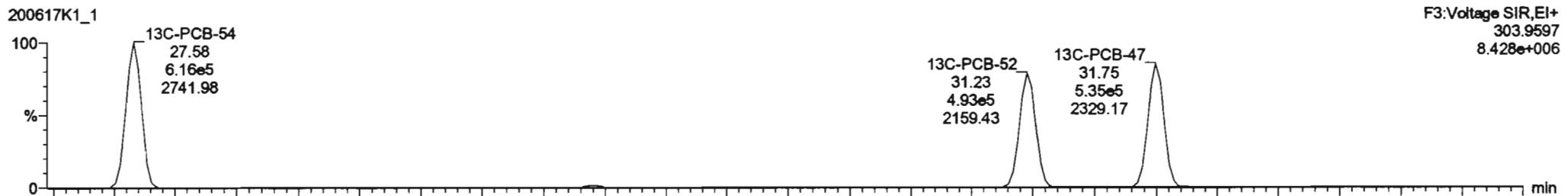


**13C-PCB-52**

200617K1\_1



200617K1\_1

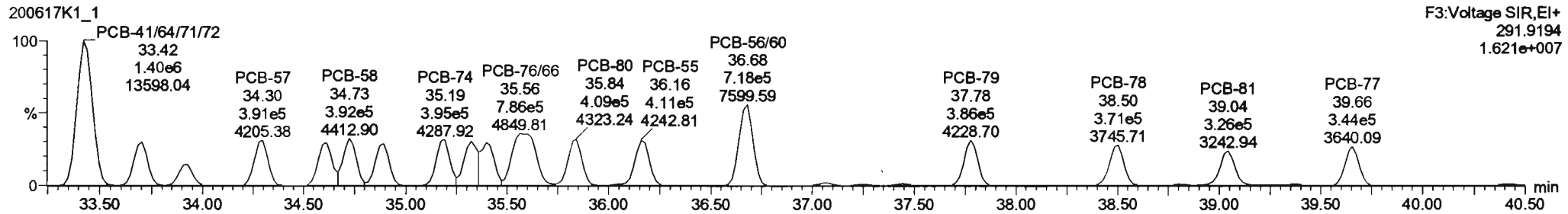
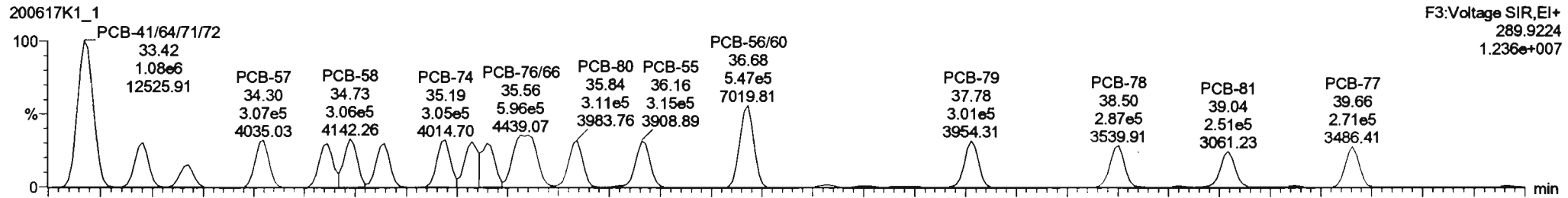


Dataset: Untitled

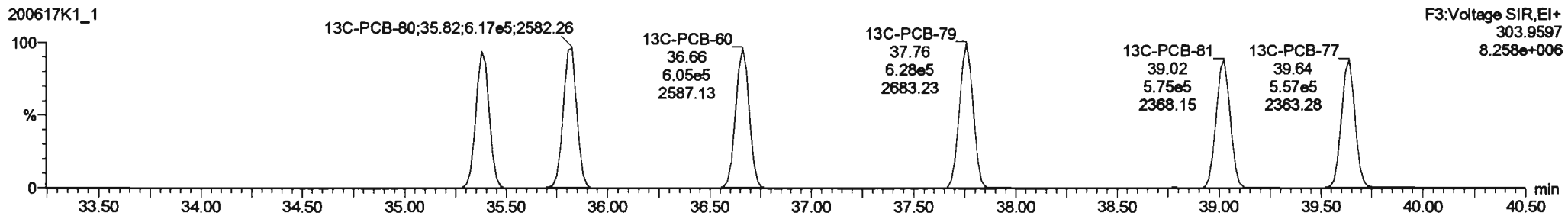
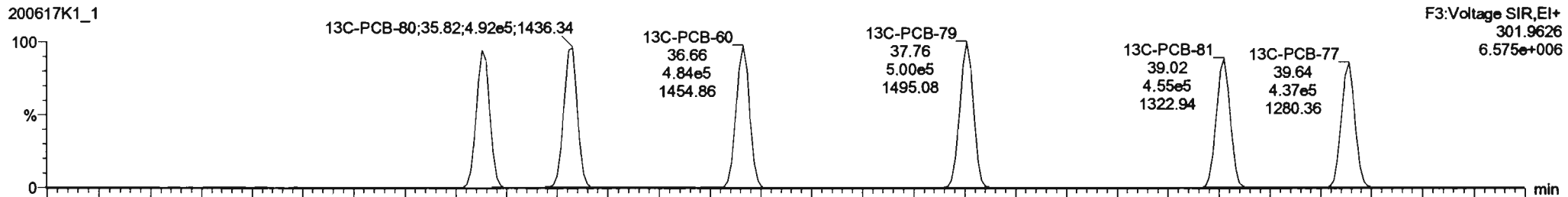
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
 Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

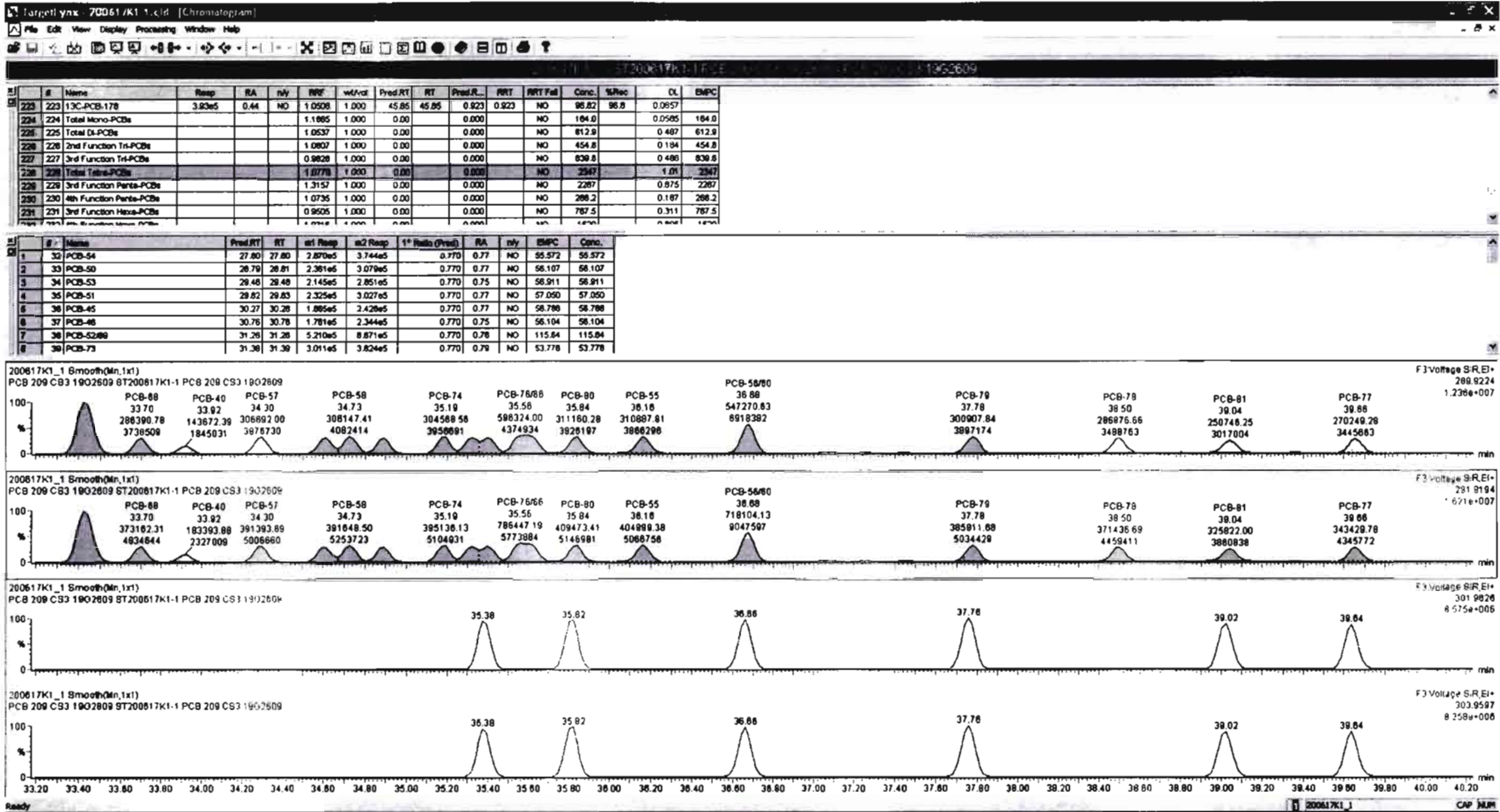
Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-68**



**13C-PCB-60**



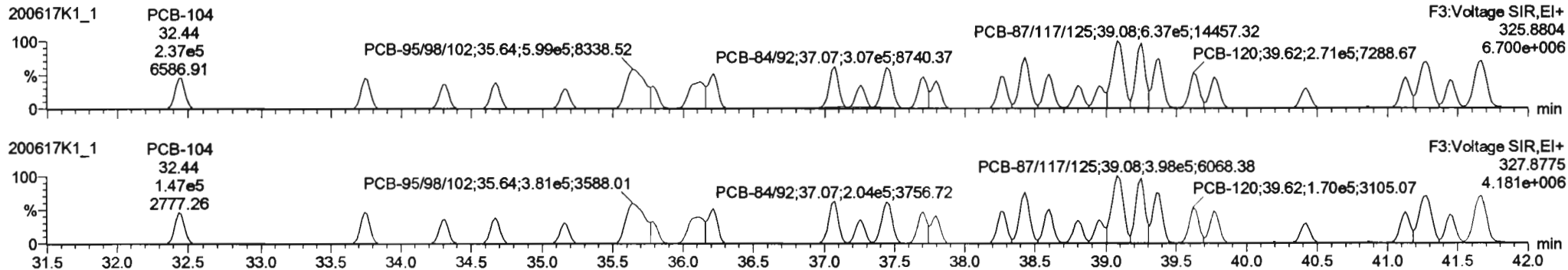


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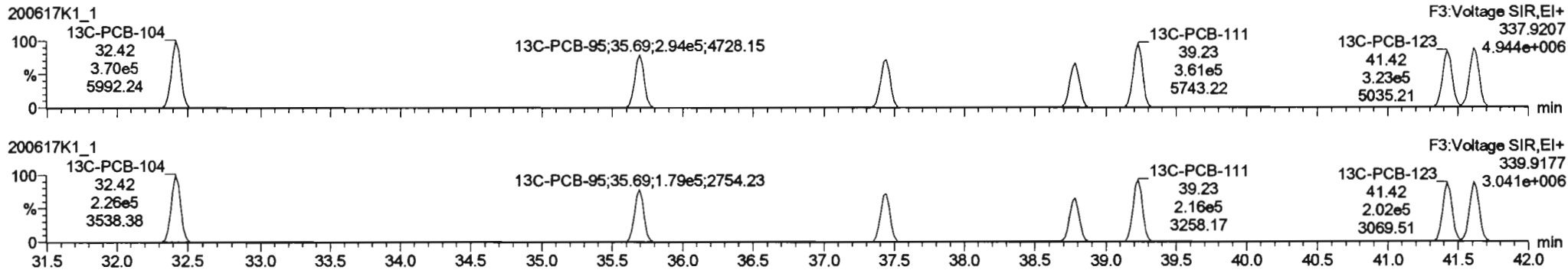
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

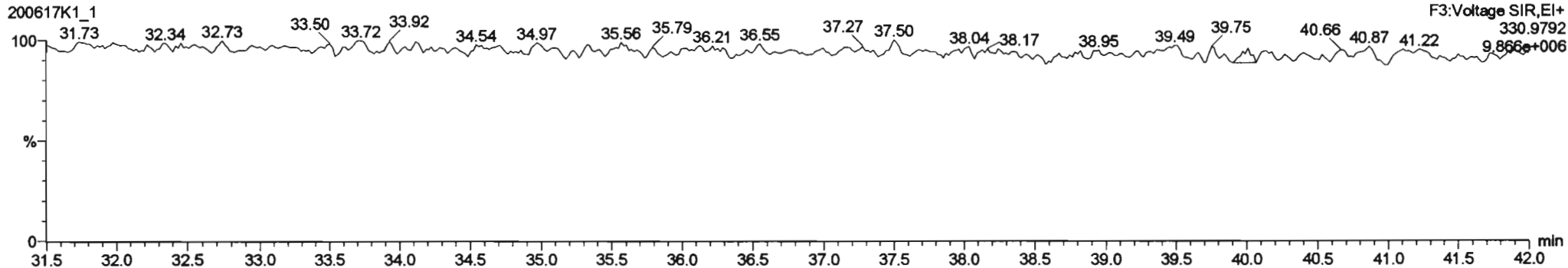
**PCB-104**



**13C-PCB-104**



**PFK3b**





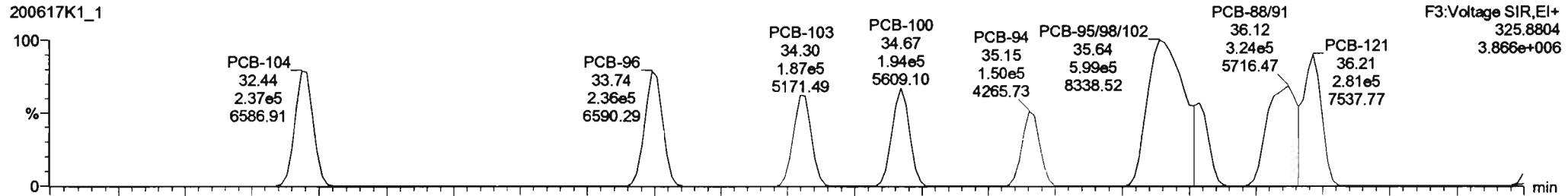
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Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

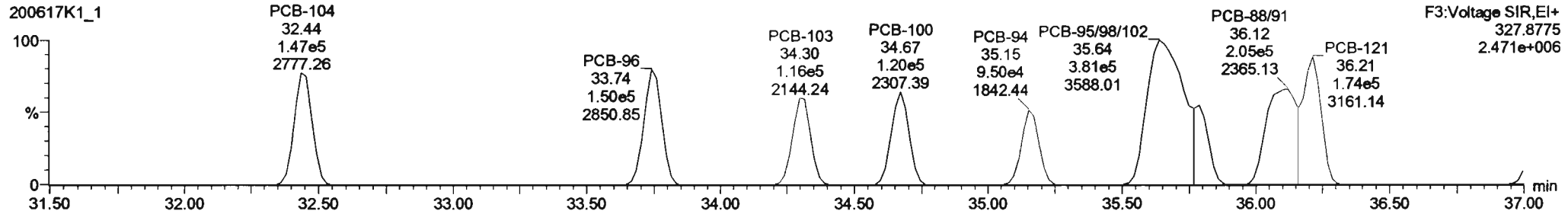
Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-96**

200617K1\_1

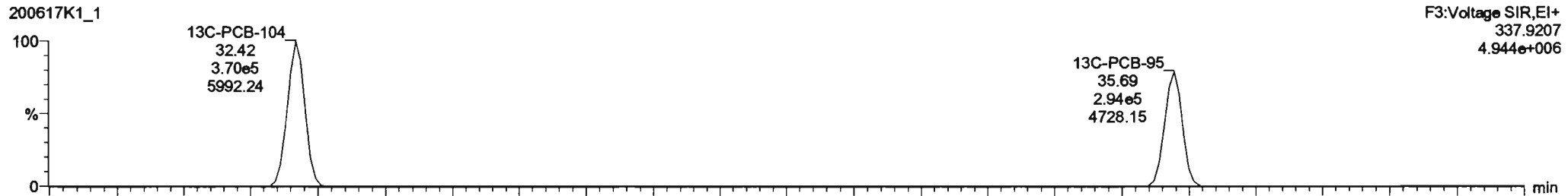


200617K1\_1

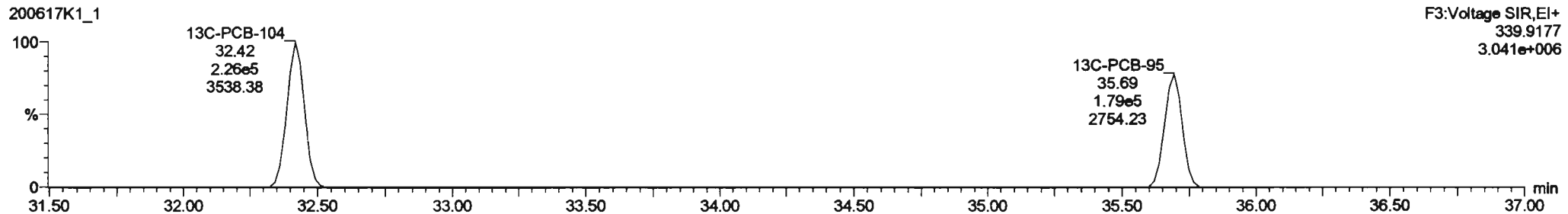


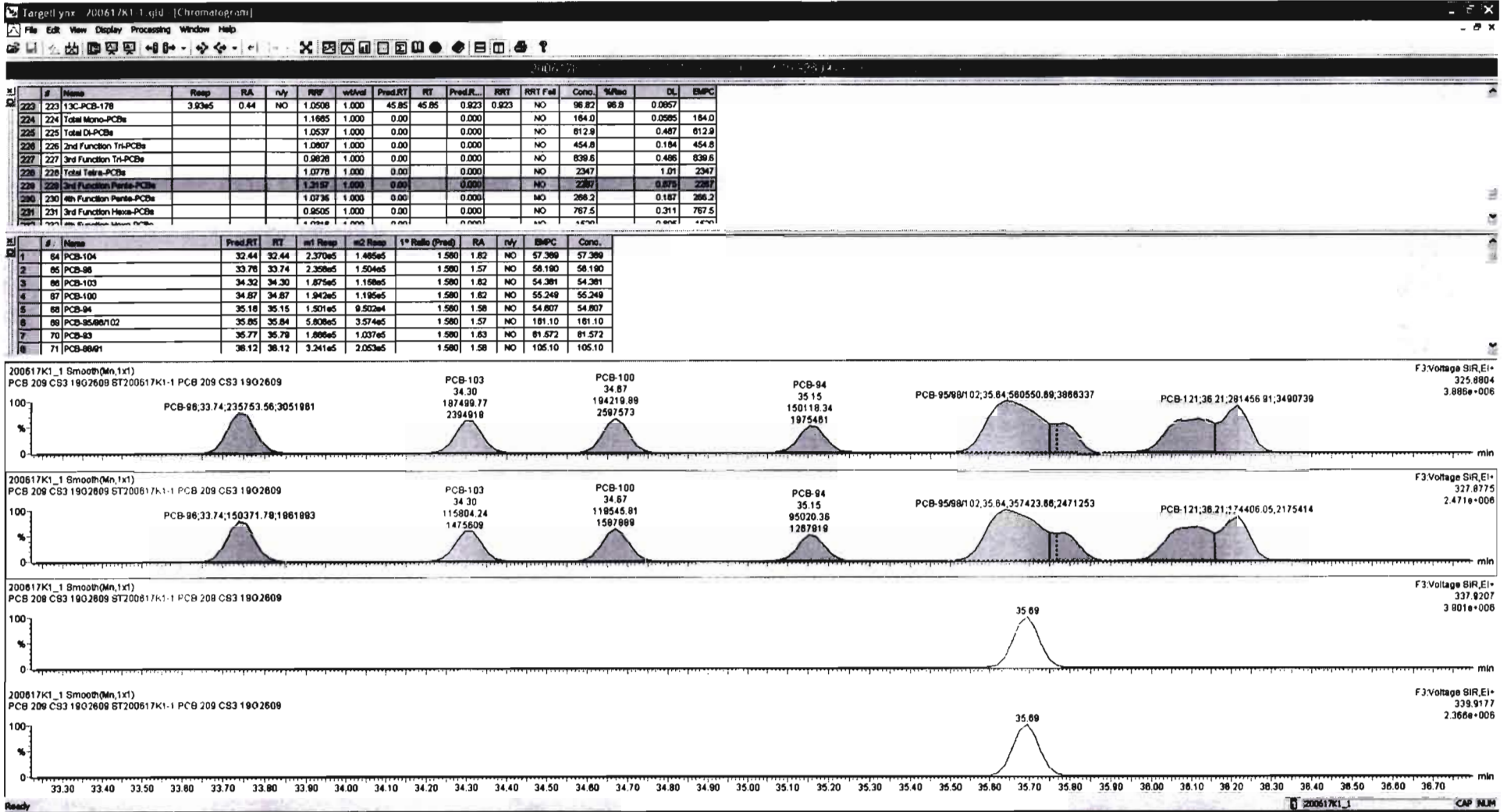
**13C-PCB-95**

200617K1\_1



200617K1\_1



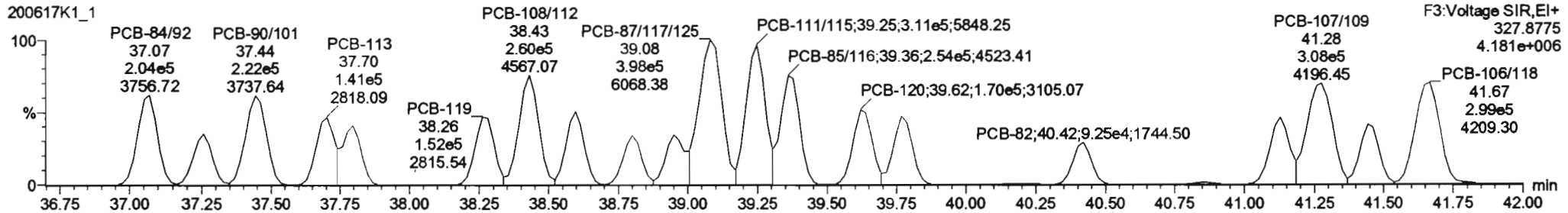
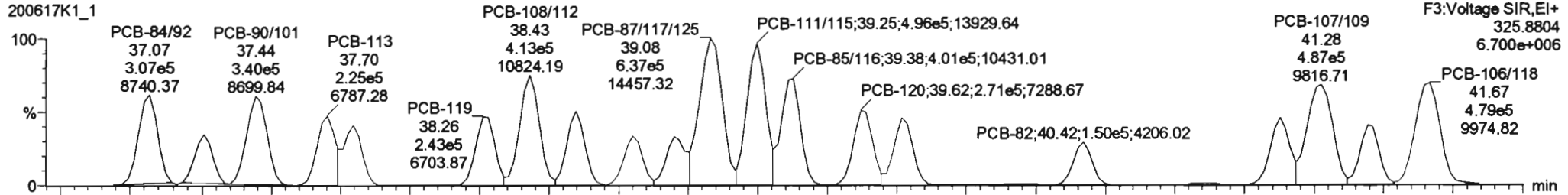


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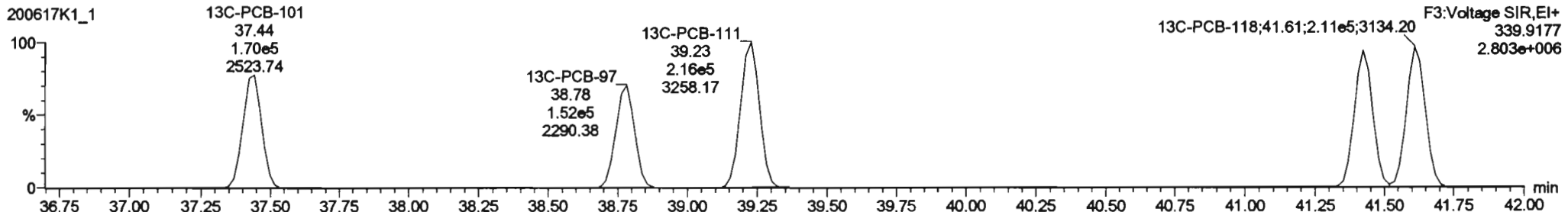
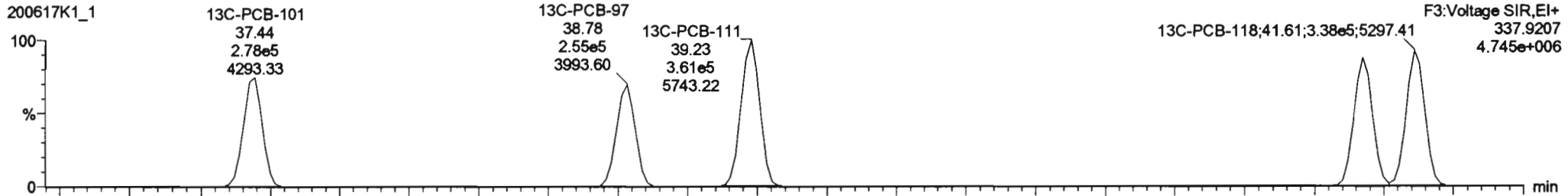
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

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**

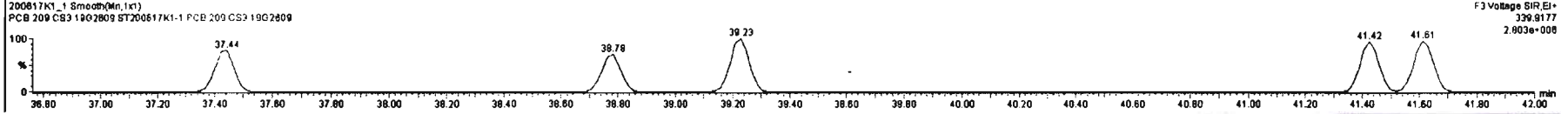
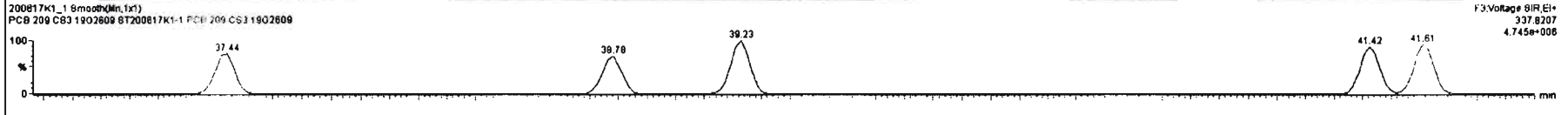
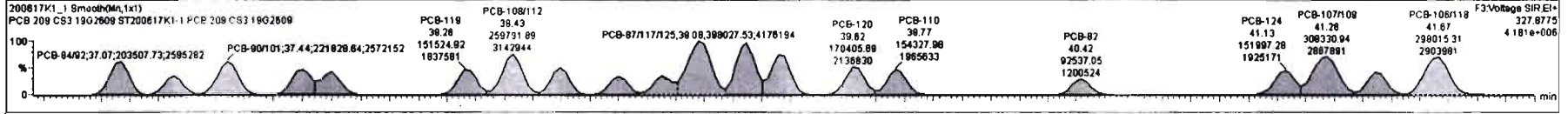
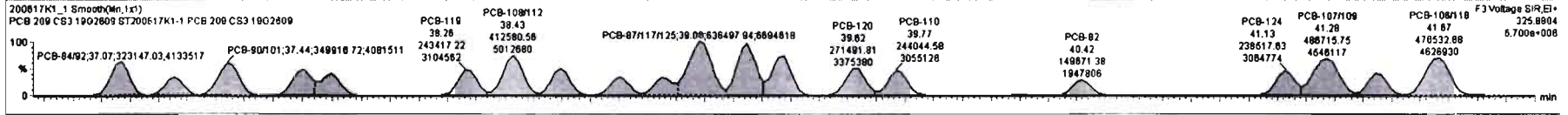


**13C-PCB-111**



#	Name	Resp	RA	n/y	RRF	wt/val	PredRT	RT	Pred_R	RRY	RRY Fail	Conc	%Rec	DL	EMPC
223	13C-PCB-178	3.83e5	0.44	NO	1.0506	1.000	45.85	45.85	0.823	0.823	NO	96.92	96.8	0.0957	
224	Total Mono-PCBs				1.1865	1.000	0.00	0.000			NO	164.0		0.0586	164.0
225	Total Di-PCBs				1.0537	1.000	0.00	0.000			NO	612.9		0.487	612.9
226	2nd Function Tri-PCBs				1.0807	1.000	0.00	0.000			NO	454.8		0.164	454.8
227	3rd Function Tri-PCBs				0.9828	1.000	0.00	0.000			NO	639.8		0.486	639.8
228	Total Tetra-PCBs				1.0778	1.000	0.00	0.000			NO	2347		1.01	2347
229	2nd Function Penta-PCBs				1.2147	1.000	0.00	0.000			NO	2287		0.678	2287
230	4th Function Penta-PCBs				1.0735	1.000	0.00	0.000			NO	286.2		0.187	286.2
231	3rd Function Hexa-PCBs				0.8505	1.000	0.00	0.000			NO	787.5		0.311	787.5

#	Name	PredRT	RT	Alt Name	Alt Resp	1st Ratio (Proc)	RA	n/y	EMPC	Conc
1	64 PCB-104	32.44	32.44	2.370e5	1.485e5	1.580	1.82	NO	57.389	57.389
2	65 PCB-88	33.78	33.74	2.258e5	1.504e5	1.580	1.57	NO	58.190	58.190
3	68 PCB-103	34.32	34.30	1.875e5	1.158e5	1.580	1.82	NO	54.381	54.381
4	67 PCB-100	34.87	34.87	1.842e5	1.195e5	1.580	1.82	NO	55.249	55.249
5	68 PCB-84	35.18	35.15	1.521e5	8.502e4	1.580	1.58	NO	54.807	54.807
6	68 PCB-95/98/102	35.85	35.84	5.802e5	3.574e5	1.580	1.57	NO	181.10	181.10
7	70 PCB-83	35.77	35.79	1.688e5	1.037e5	1.580	1.83	NO	81.572	81.572
8	71 PCB-88/91	38.12	38.12	3.241e5	2.053e5	1.580	1.58	NO	105.10	105.10

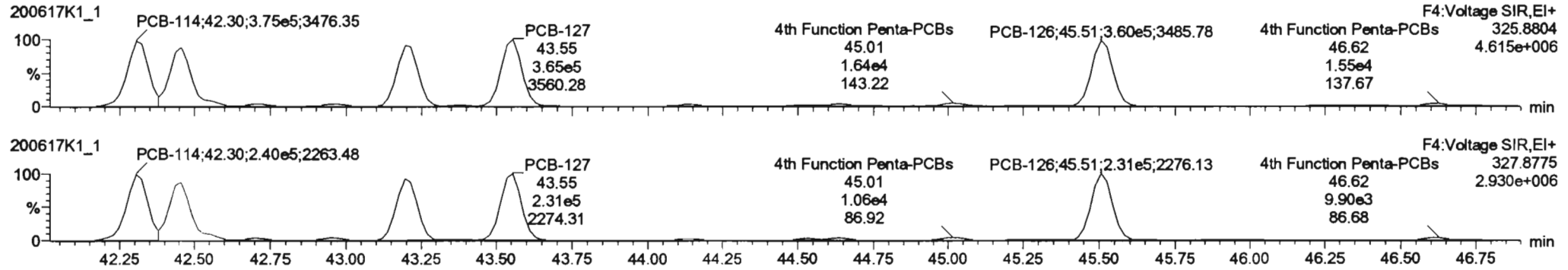


Dataset: Untitled

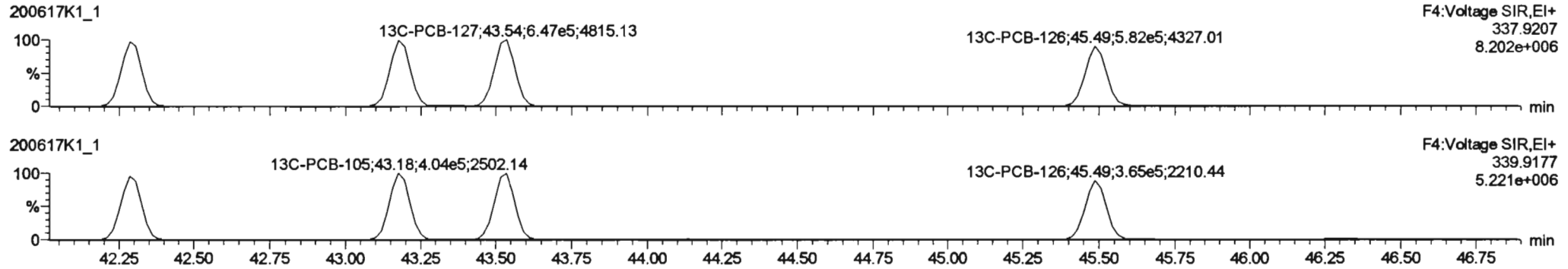
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

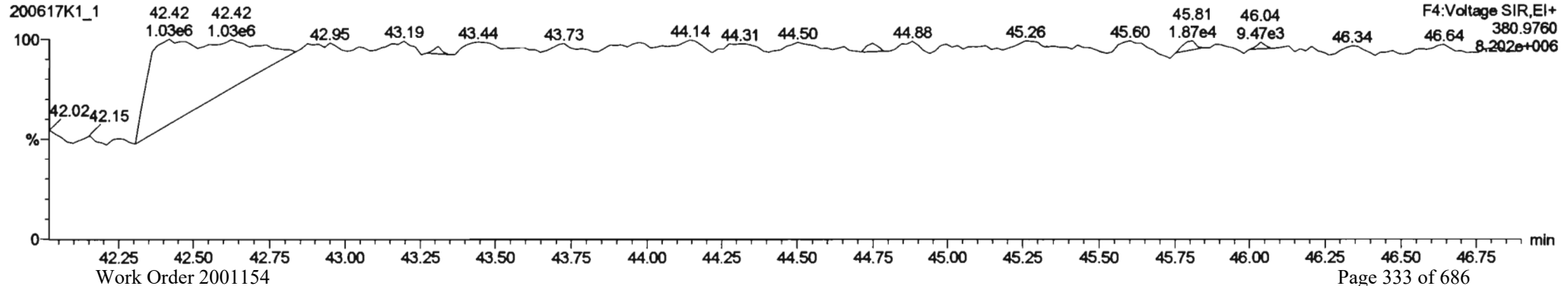
**PCB-114**

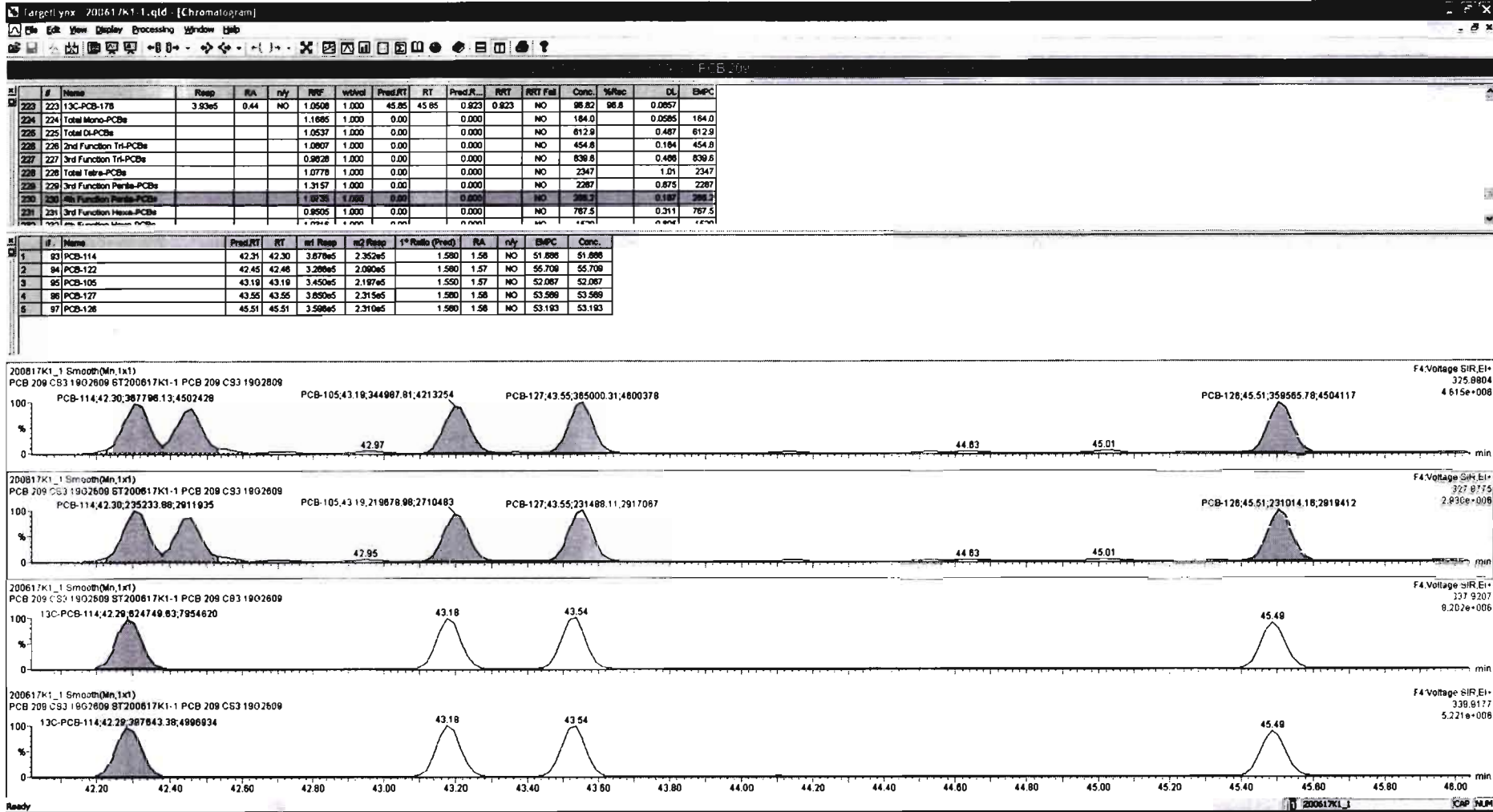


**13C-PCB-114**



**PFK4a**





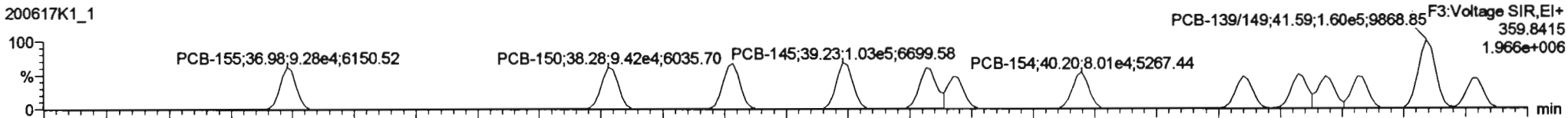
Dataset: Untitled

Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

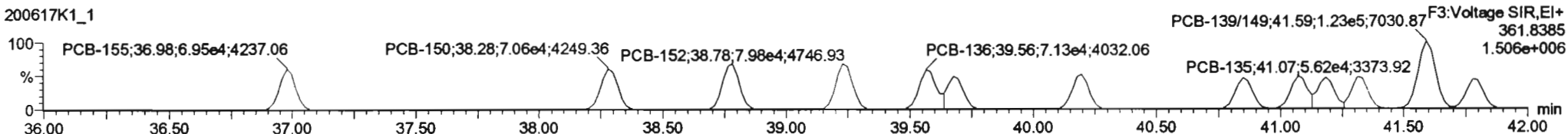
Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-155**

200617K1\_1

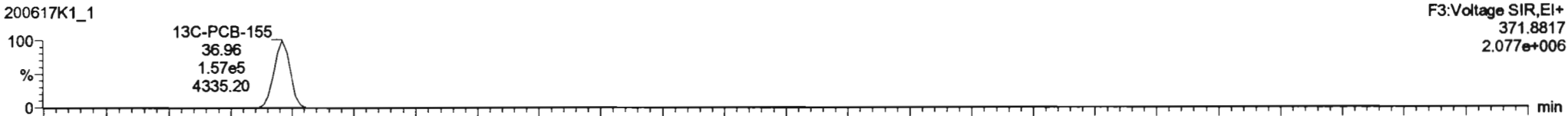


200617K1\_1

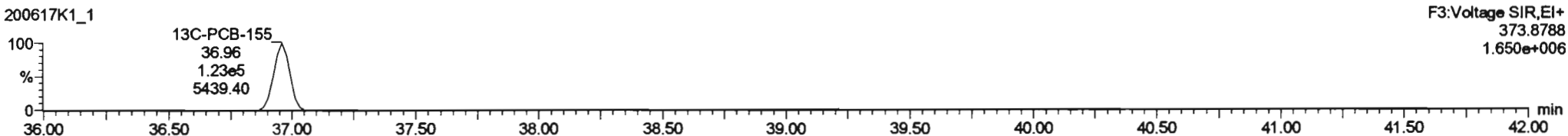


**13C-PCB-155**

200617K1\_1

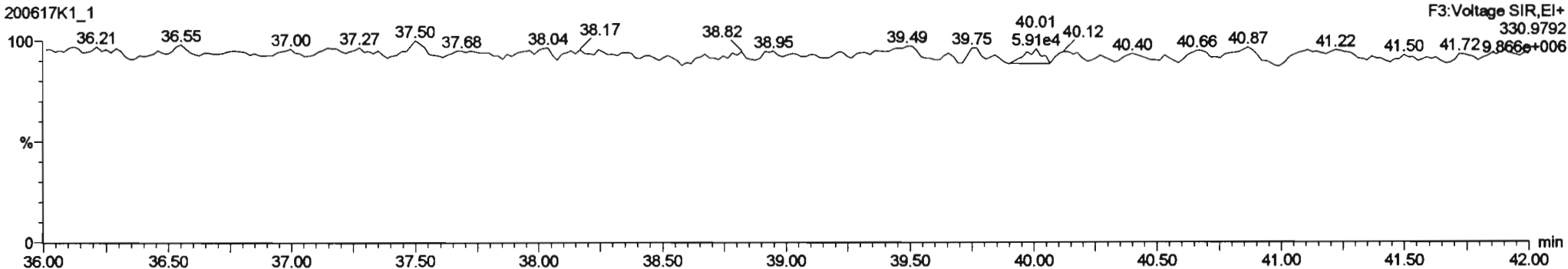


200617K1\_1



**PFK3c**

200617K1\_1



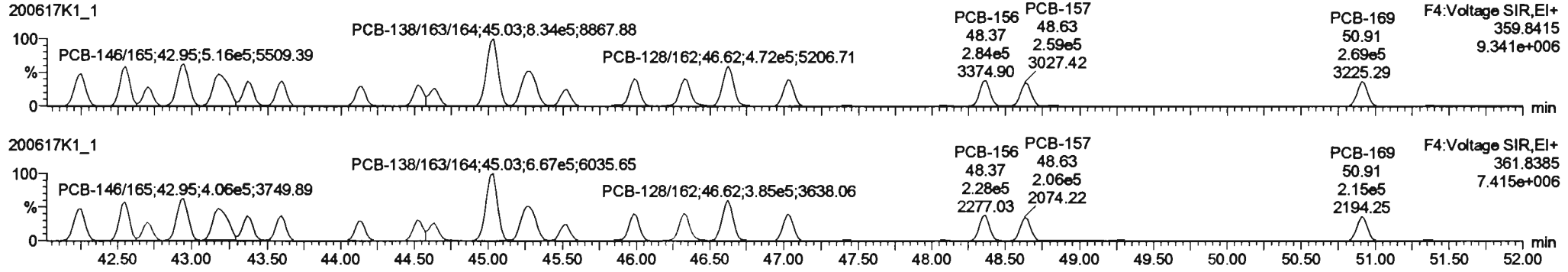
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Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time

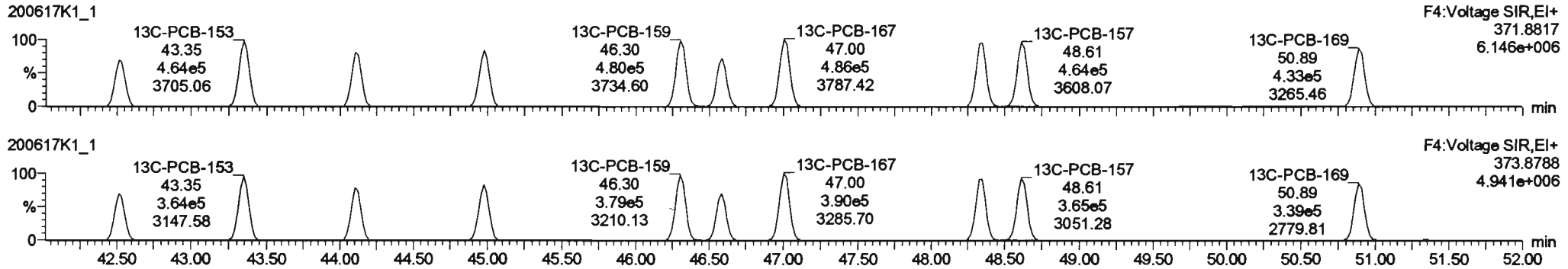
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

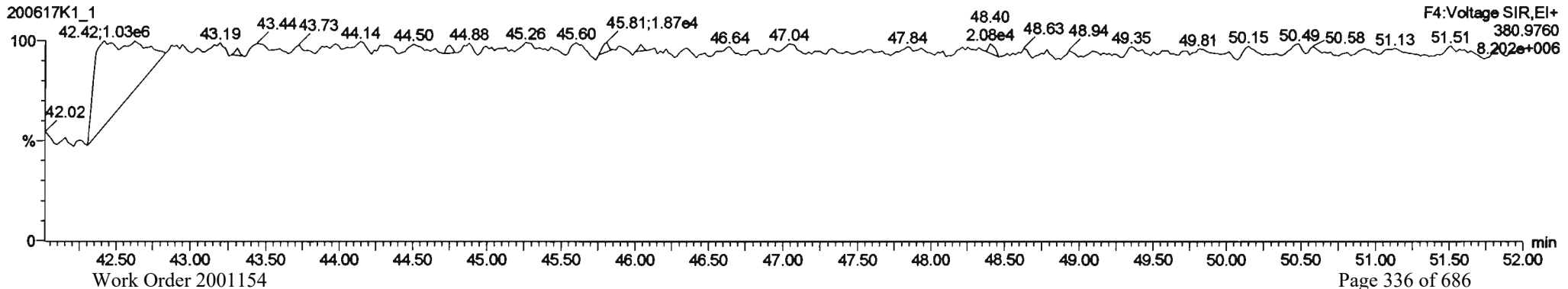
**PCB-134/143**



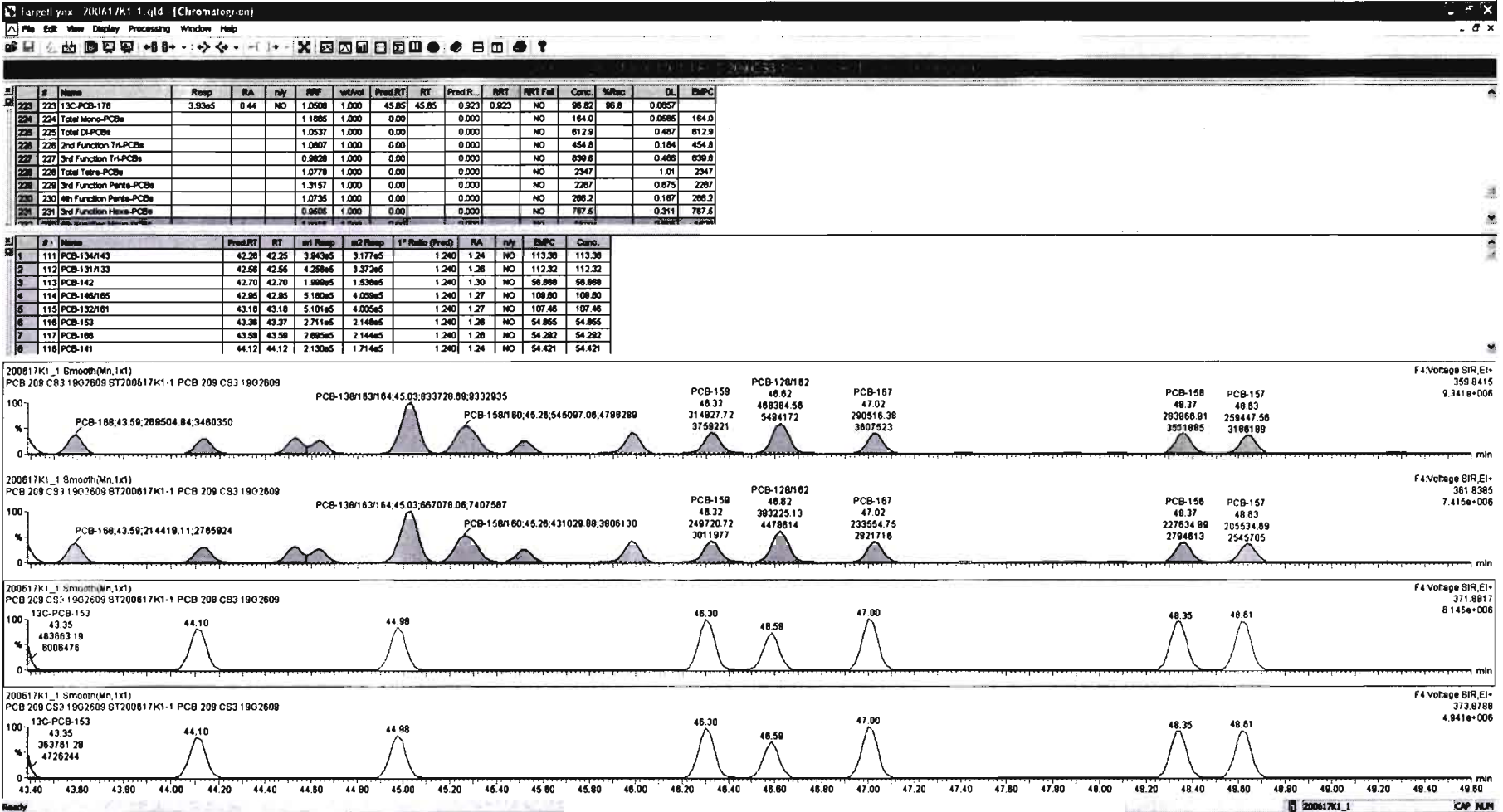
**13C-PCB-153**



**PFK4b**







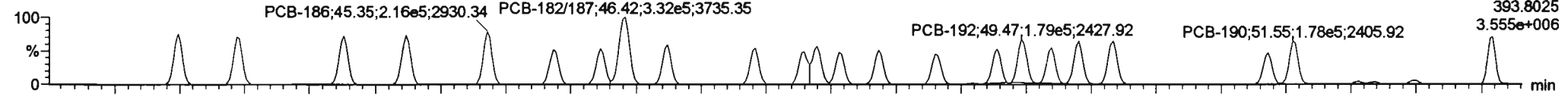
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Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time  
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

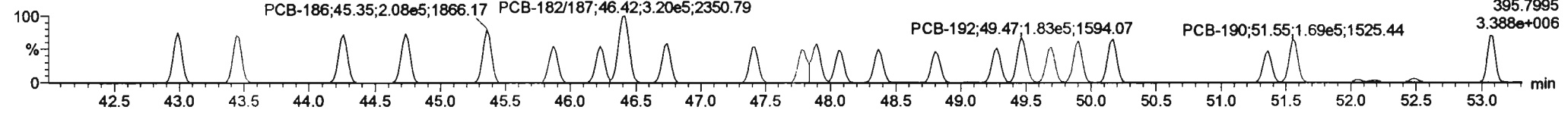
Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-188**

200617K1\_1

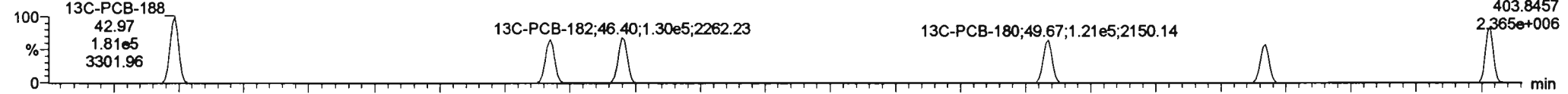


200617K1\_1

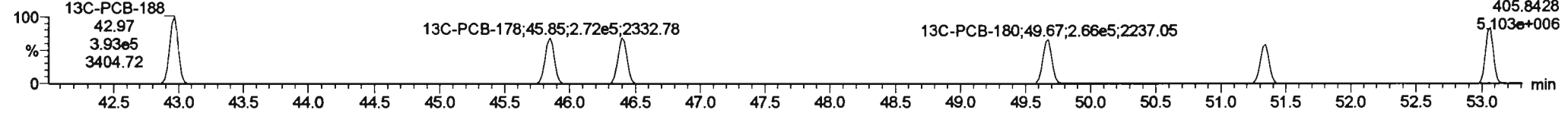


**13C-PCB-188**

200617K1\_1

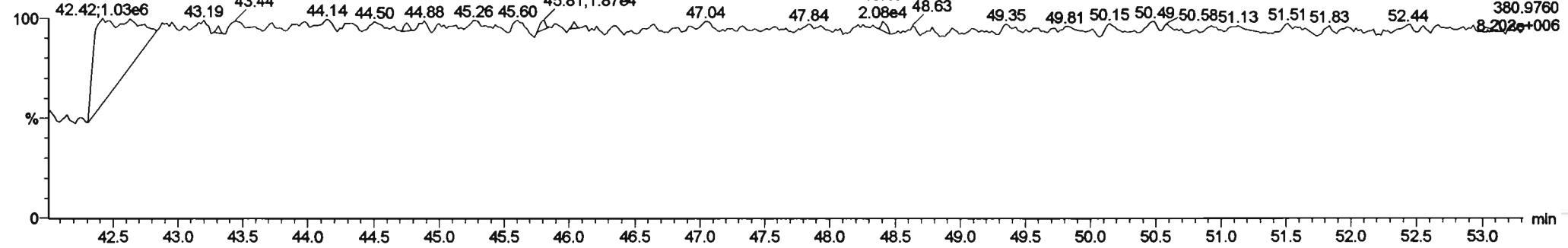


200617K1\_1



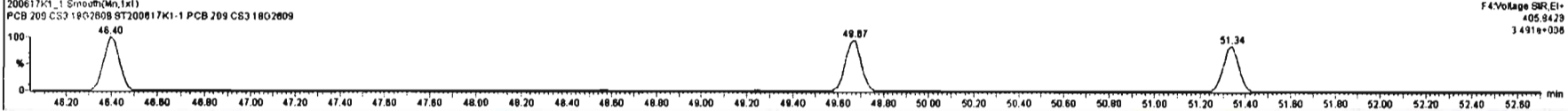
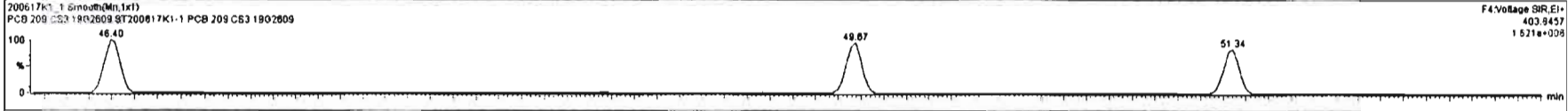
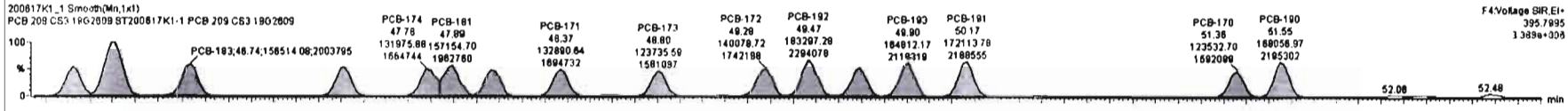
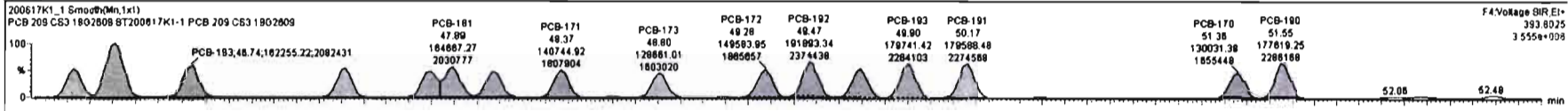
**PFK4c**

200617K1\_1



#	Name	Resp	RA	rly	RF	w/wd	Prod.RT	RT	Prod.R...	RT	RT Fat	Conc.	%Rec	DL	EMPC
233	233 Total High-Peaks-PCBs				1.3891	1.000	0.000		0.000		NO	1280		1.44	1280
234	234 4th Function Octa-PCBs				1.0008	1.000	0.000		0.000		NO	518.1		0.334	518.1
235	235 5th Function Octa-PCBs				1.1488	1.000	0.000		0.000		NO	153.1		0.188	153.1
236	236 Total Nona-PCBs				0.9523	1.000	0.000		0.000		NO	158.8		0.188	158.8
237	237 Deca-CB				0.9894	1.000	0.000		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-isotope														

#	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

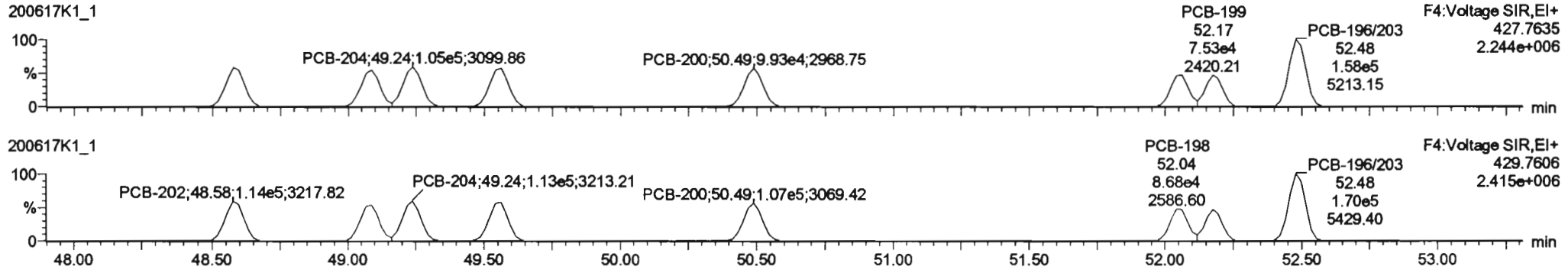


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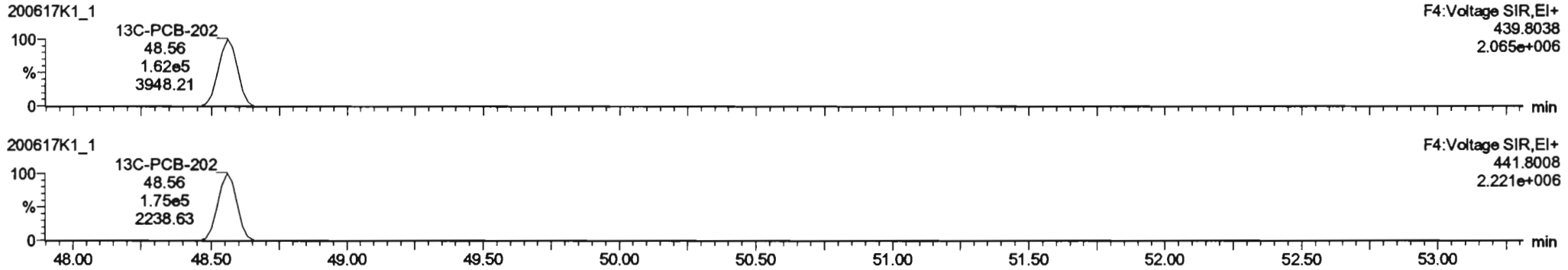
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Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

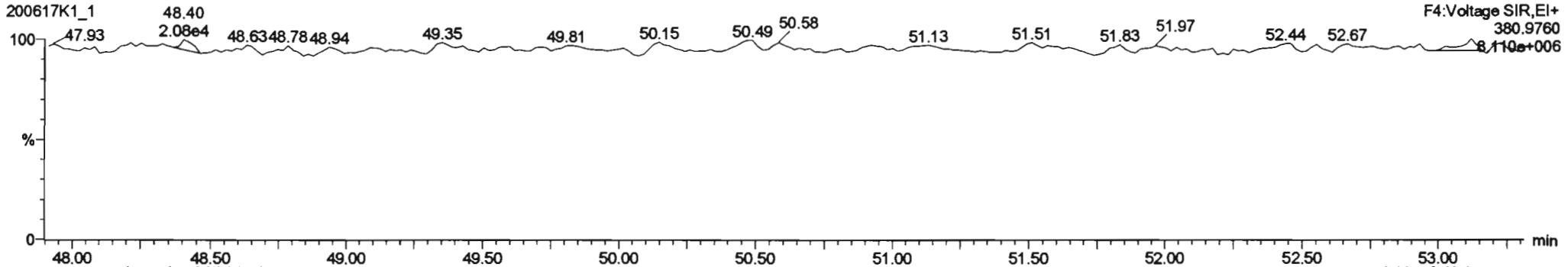
**PCB-202**



**13C-PCB-202**



**PFK4d**



Dataset: Untitled

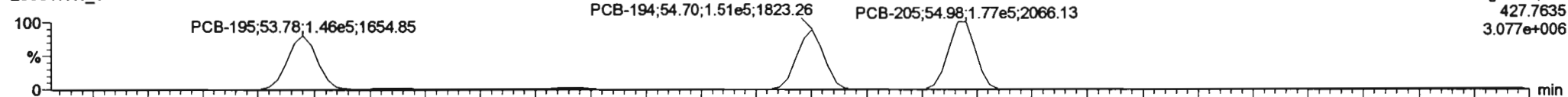
Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time

Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

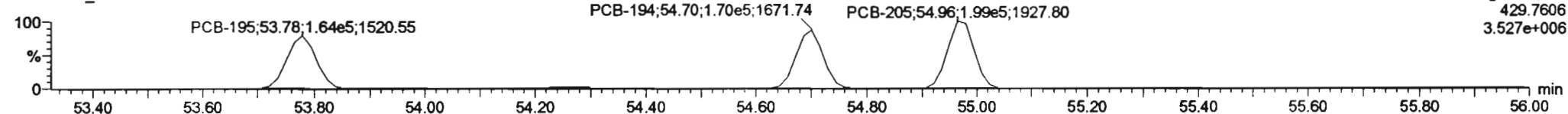
Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-195**

200617K1\_1

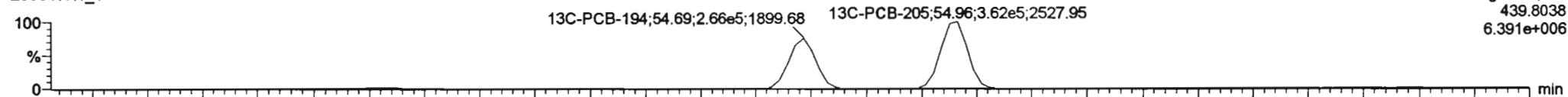


200617K1\_1

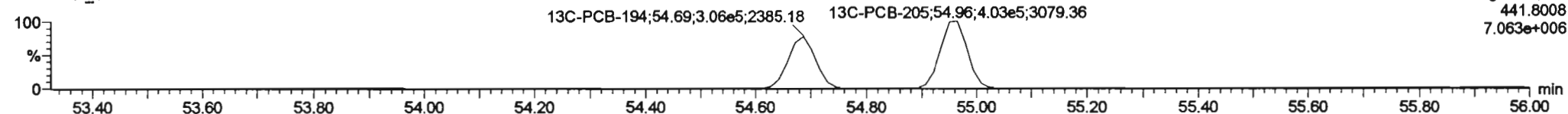


**13C-PCB-194**

200617K1\_1

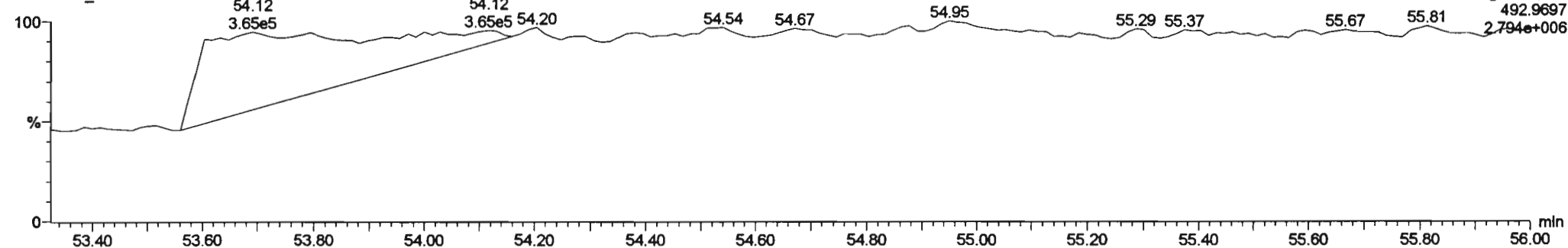


200617K1\_1



**PFK5a**

200617K1\_1



Dataset: Untitled

Last Altered: Wednesday, June 17, 2020 14:51:12 Pacific Daylight Time

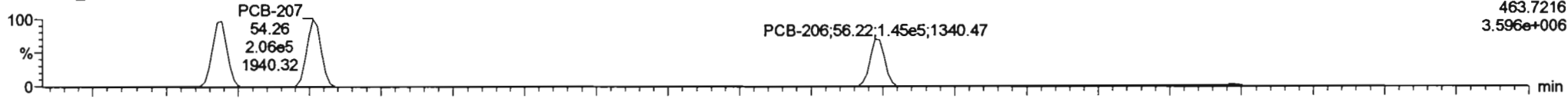
Printed: Wednesday, June 17, 2020 14:51:26 Pacific Daylight Time

Name: 200617K1\_1, Date: 17-Jun-2020, Time: 13:13:13, ID: ST200617K1-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-208**

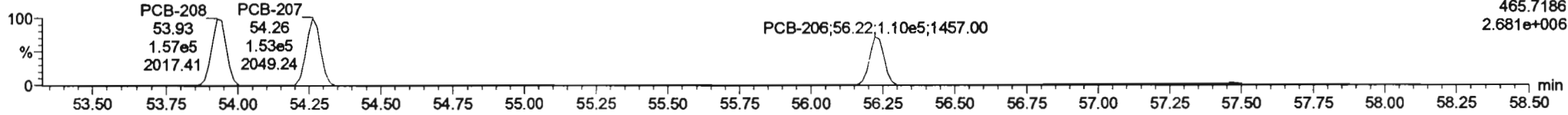
200617K1\_1

F5:Voltage SIR,EI+  
463.7216  
3.596e+006



200617K1\_1

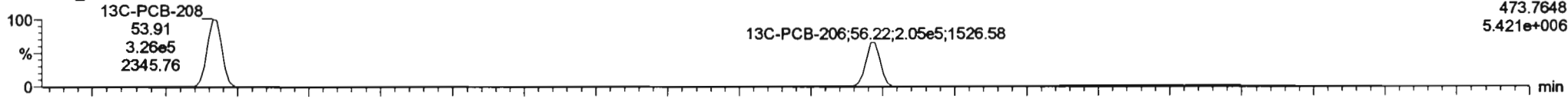
F5:Voltage SIR,EI+  
465.7186  
2.681e+006



**13C-PCB-208**

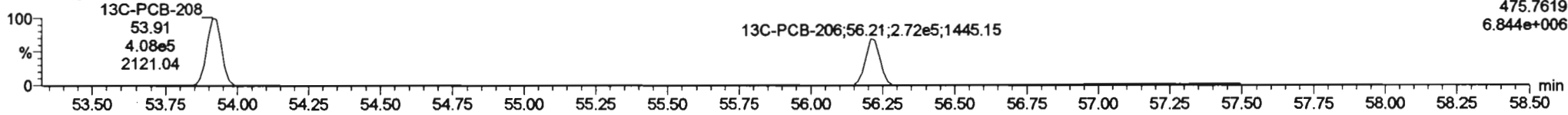
200617K1\_1

F5:Voltage SIR,EI+  
473.7648  
5.421e+006



200617K1\_1

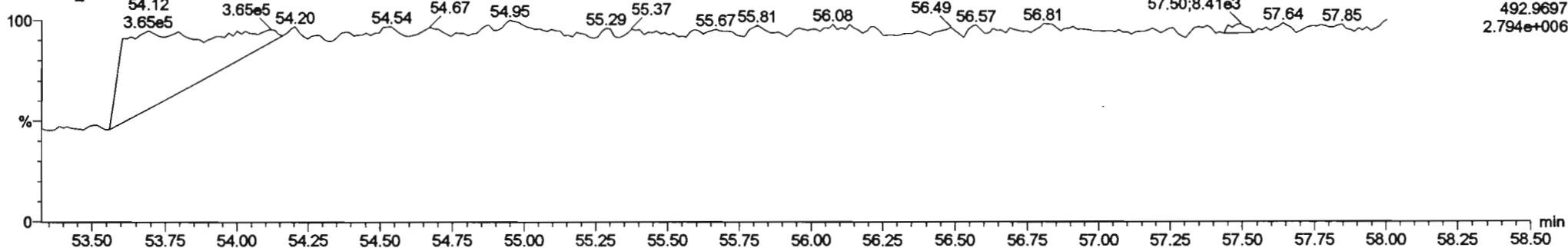
F5:Voltage SIR,EI+  
475.7619  
6.844e+006



**PFK5**

200617K1\_1

F5:Voltage SIR,EI+  
492.9697  
2.794e+006



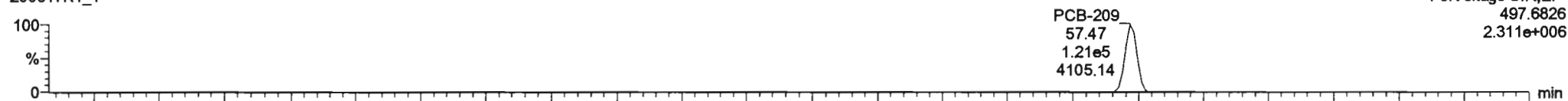
Dataset: Untitled

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

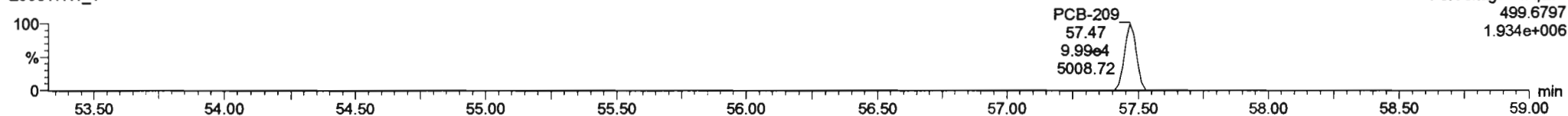
**PCB-209**

200617K1\_1



F5:Voltage SIR,EI+  
497.6826  
2.311e+006

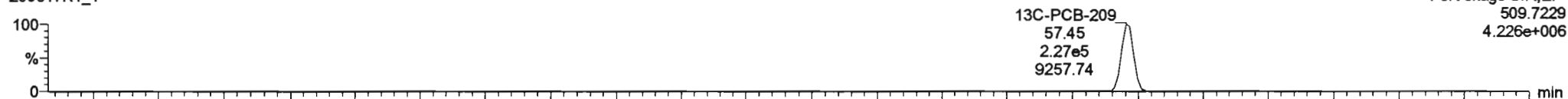
200617K1\_1



F5:Voltage SIR,EI+  
499.6797  
1.934e+006

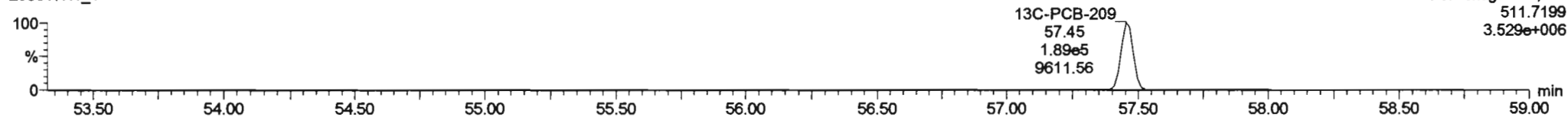
**13C-PCB-209**

200617K1\_1



F5:Voltage SIR,EI+  
509.7229  
4.226e+006

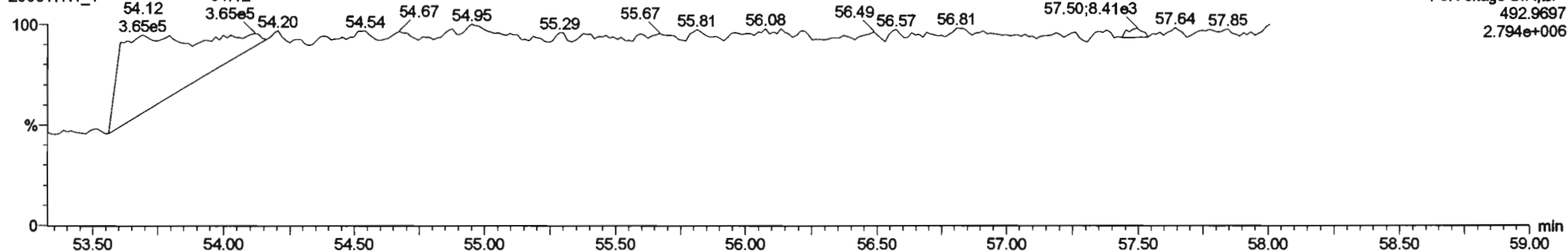
200617K1\_1



F5:Voltage SIR,EI+  
511.7199  
3.529e+006

**PFK5b**

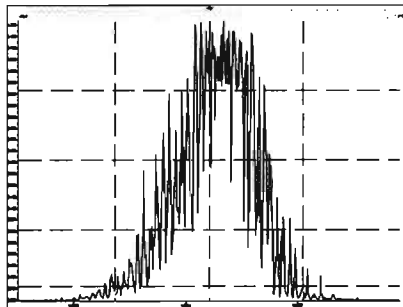
200617K1\_1



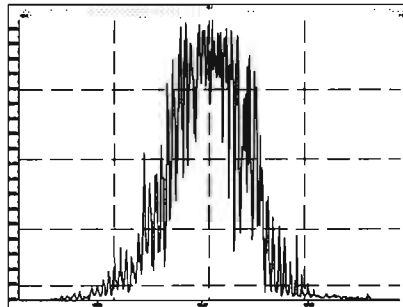
F5:Voltage SIR,EI+  
492.9697  
2.794e+006

Printed: Thursday, June 18, 2020 00:33:42 Pacific Daylight Time

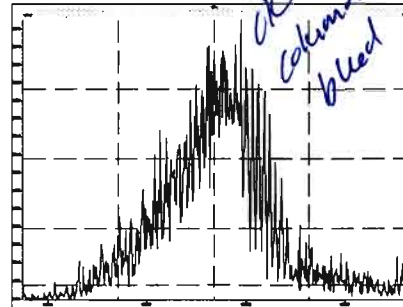
M 168.9888 R 14592



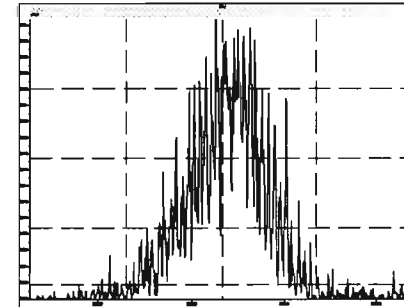
M 180.9888 R 14677



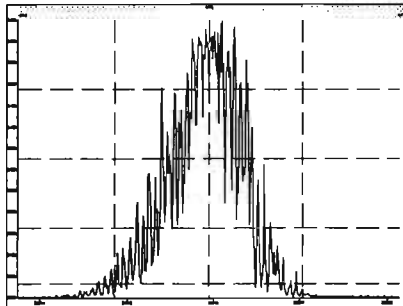
M 192.9888 R 8411



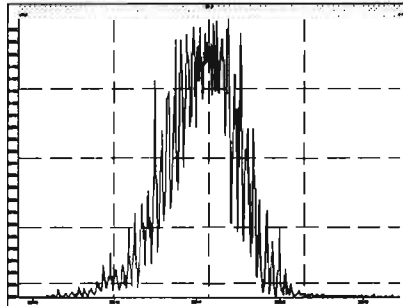
M 204.9888 R 16808



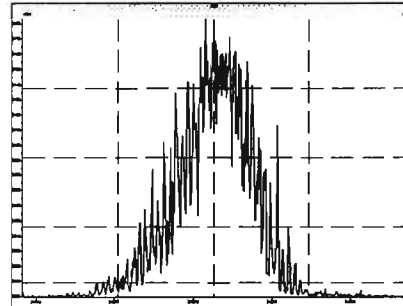
M 218.9856 R 14374



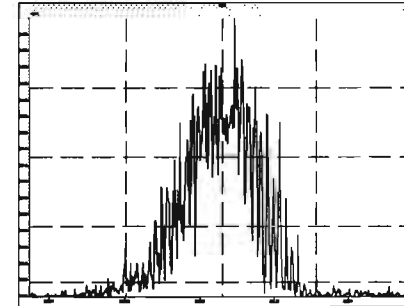
M 230.9856 R 14622



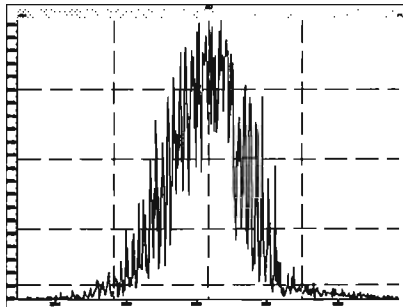
M 242.9856 R 13420



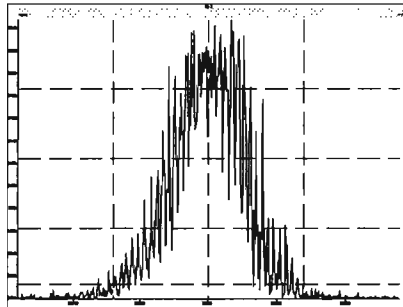
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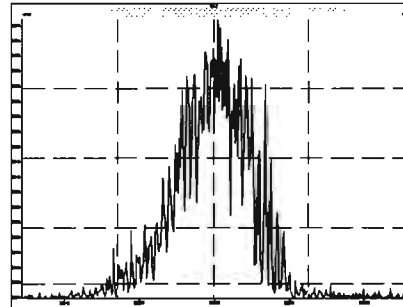
M 268.9824 R 13354



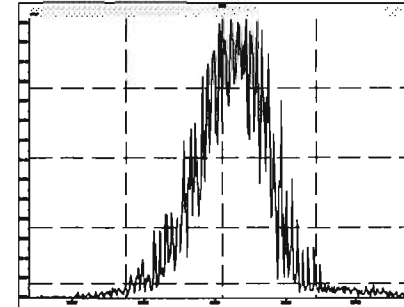
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M 254.9856 R 14045



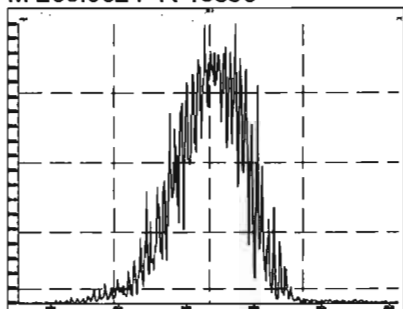
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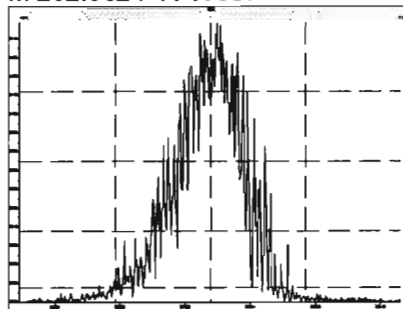


Printed: Thursday, June 18, 2020 00:33:42 Pacific Daylight Time

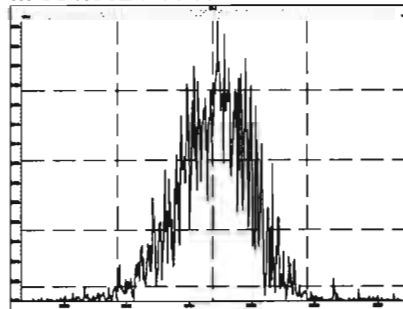
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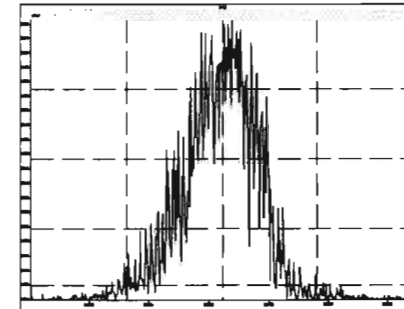
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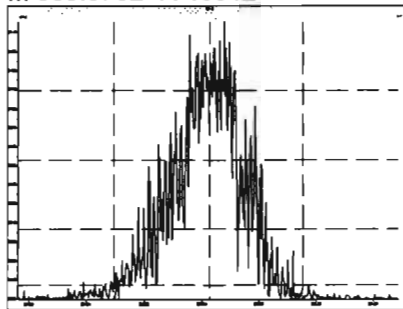
M 304.9824 R 15073



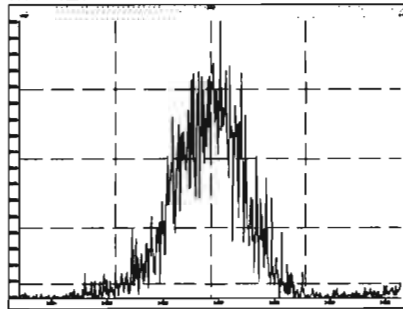
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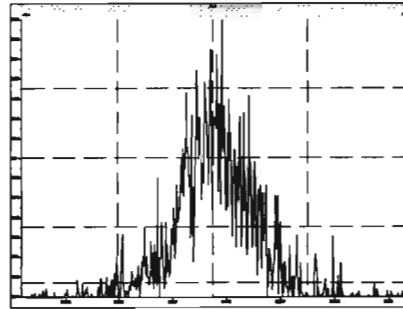
M 330.9792 R 13512



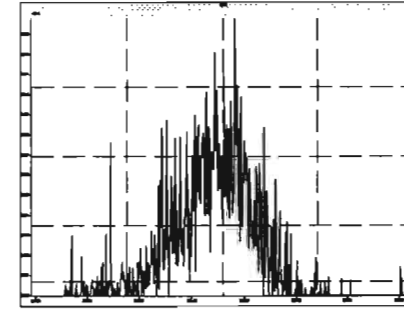
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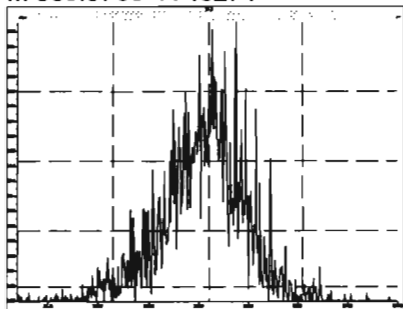
M 354.9792 R 18193



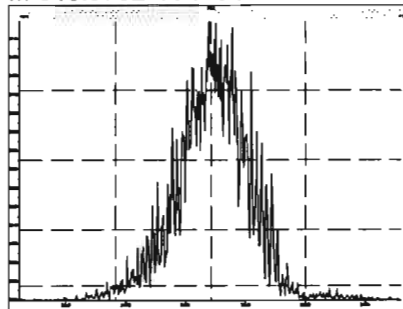
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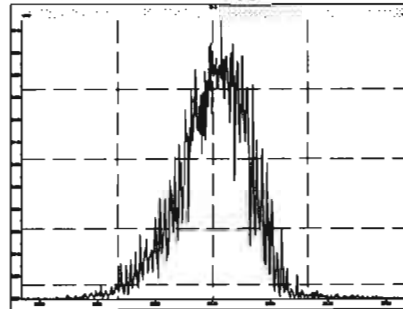
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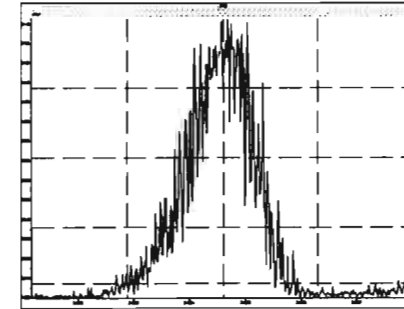
M 318.9792 R 13540



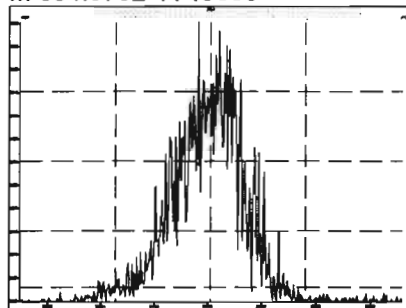
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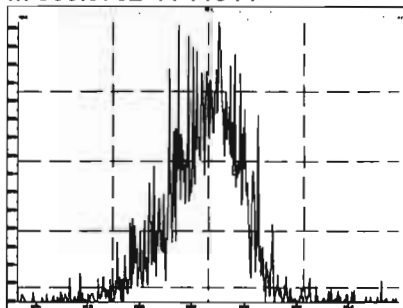
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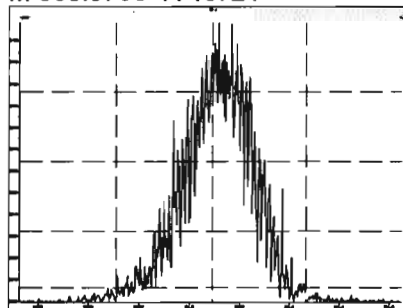
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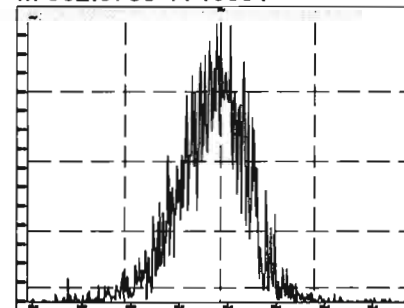
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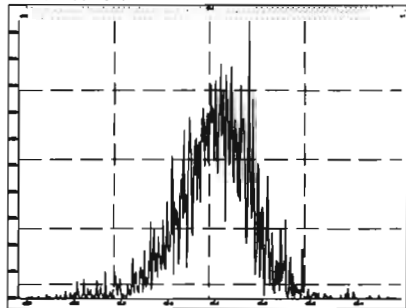
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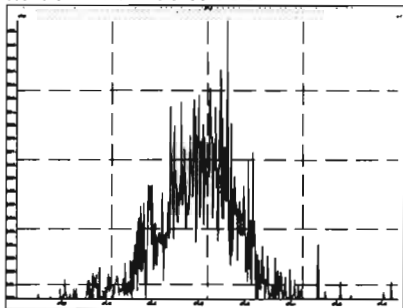
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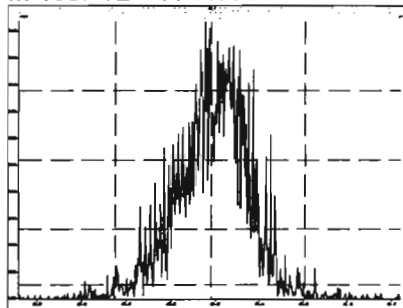
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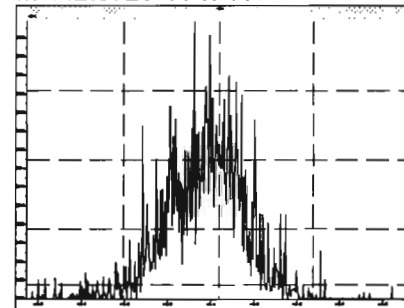
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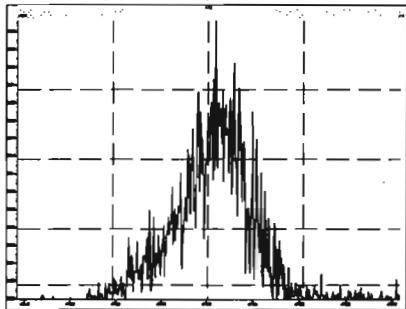
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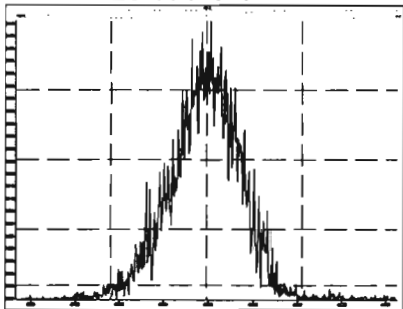
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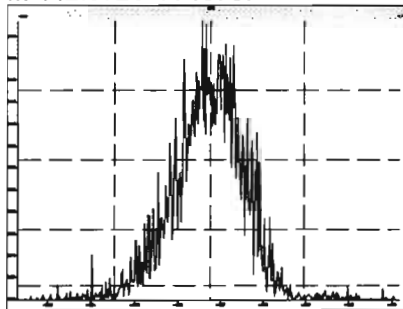
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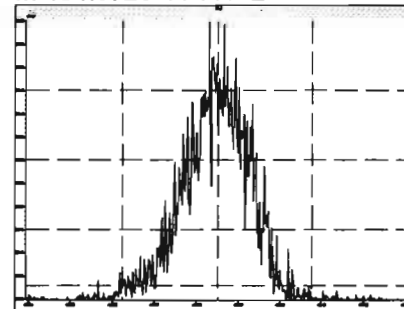
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M 442.9728 R 13737

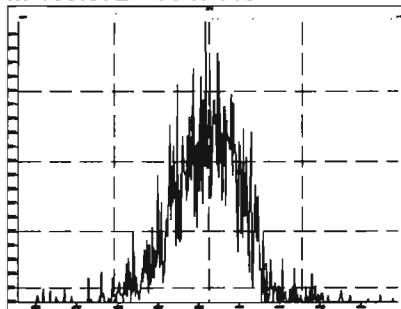


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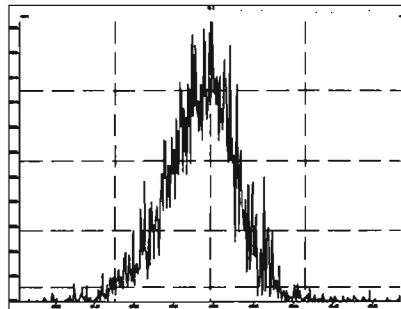


Printed: Thursday, June 18, 2020 00:33:42 Pacific Daylight Time

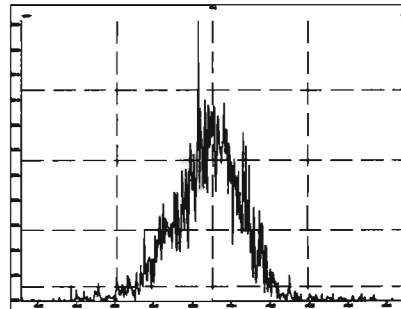
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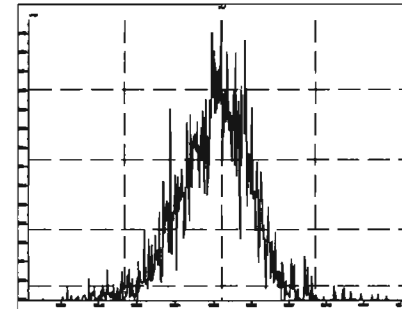
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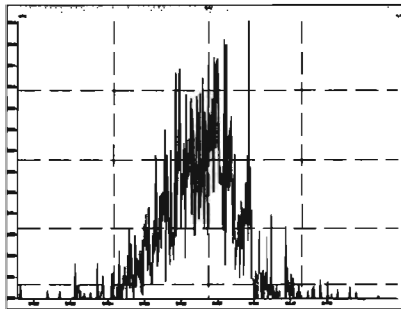
M 492.9696 R 15021



M 504.9696 R 14962



M 516.9697 R 16672



# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

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

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

*Initials & Date*

**End Calibration ID:** NA

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

**Mass resolution ≥**

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

**Intergrated peaks display correctly?**

**GC Break <20%**

**8280 CS1 End Standard:**

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

	<u>Beg.</u>	<u>End</u>
<b>Ion abundance within QC limits?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Intergrated peaks display correctly?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>GC Break &lt;20%</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>8280 CS1 End Standard:</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Comments:**

ⓐ 1 mass affected by column bleed.

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

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

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

*Hz 6-18-2020*

*CT 06/18/2020*

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

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

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

*75-155*

*u*

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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J

Dataset: Untitled

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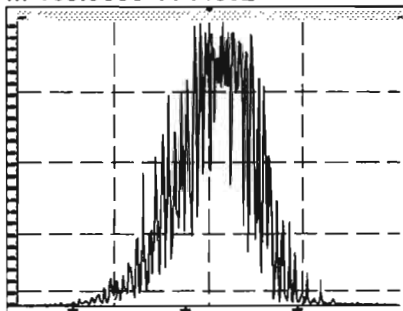
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Compound name: PCB-1

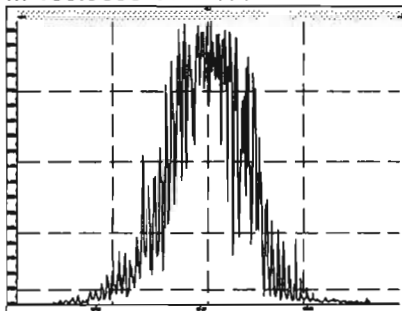
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200617K2_5	2000977-01RE1@10X PDI-153SC-A-00-01-20...	18-Jun-20	04:35:09
200617K2_6	2000967-01RE1@10X PDI-148SC-A-00-01-20...	18-Jun-20	05:35:36
200617K2_7	2000968-02RE1@10X PDI-163SC-A-00-01-20...	18-Jun-20	06:37:43
200617K2_8	2001154-03 PDI-174SC-A-00-01-200521 10	18-Jun-20	07:38:06
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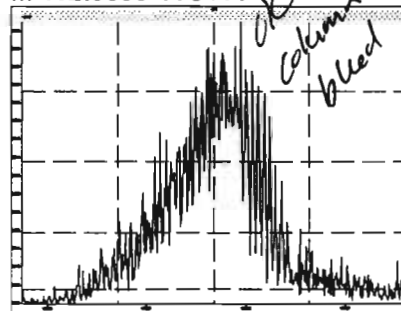
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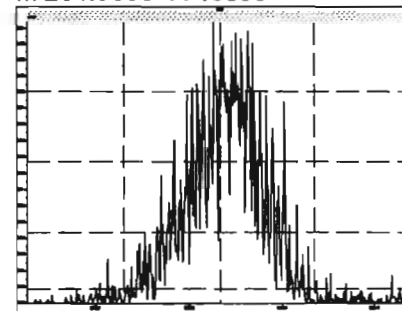
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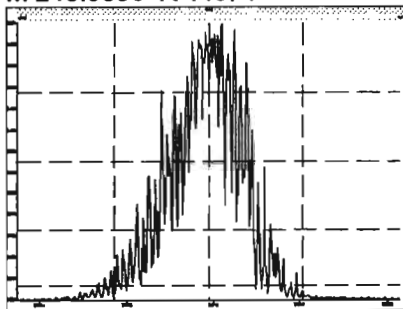
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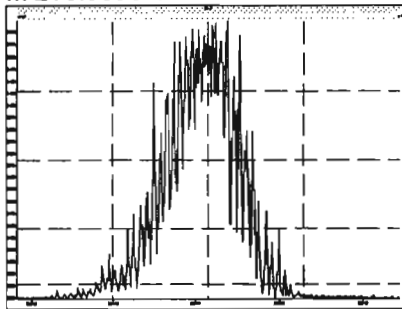
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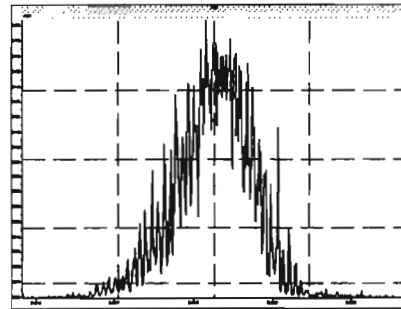
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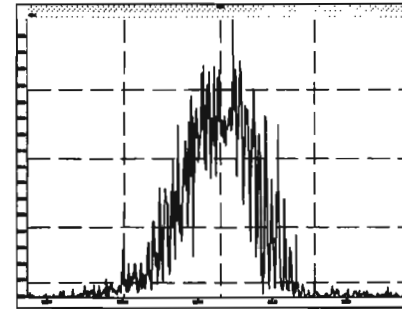
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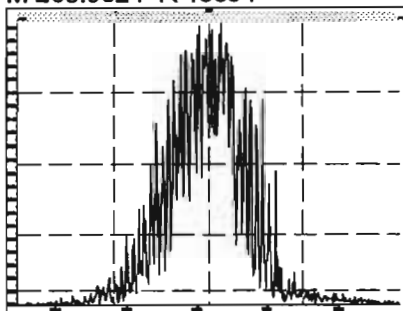
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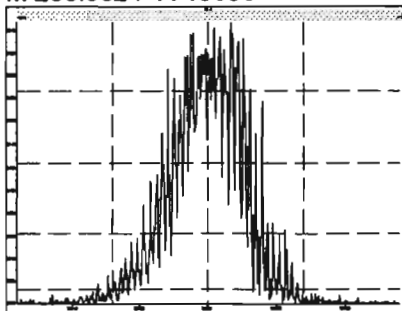
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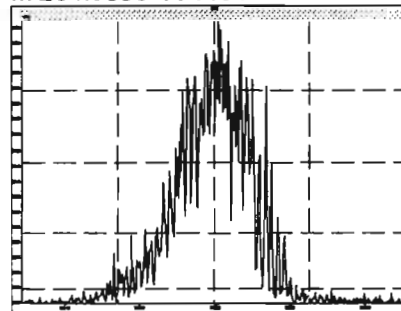
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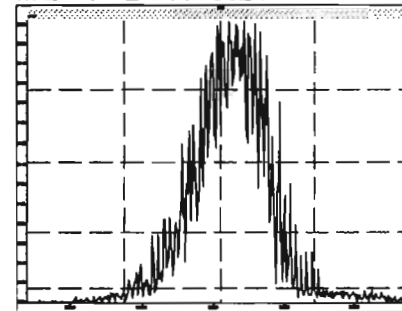
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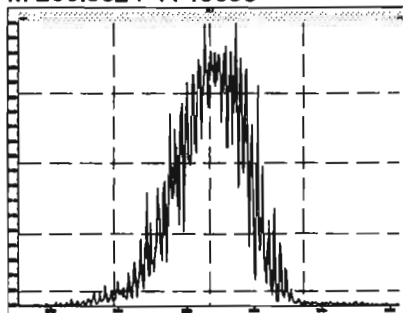


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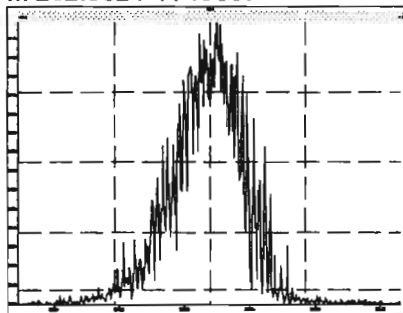


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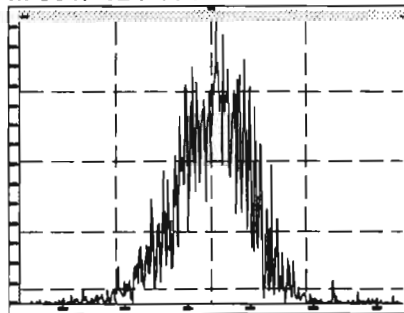
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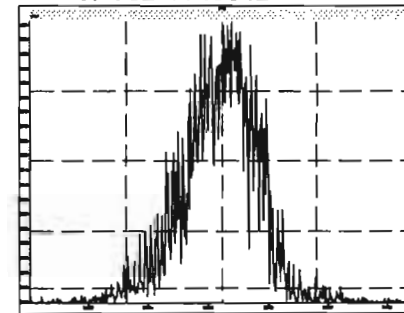
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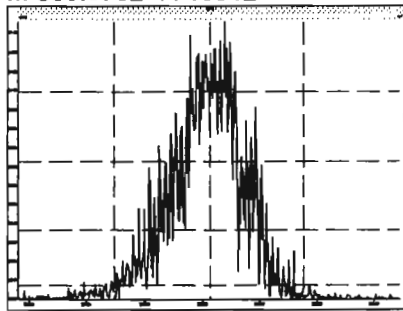
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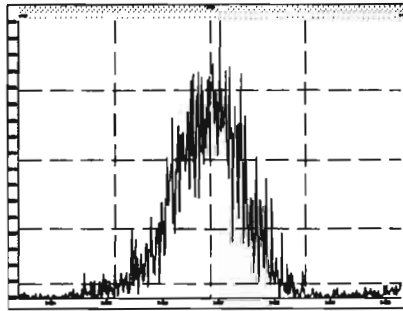
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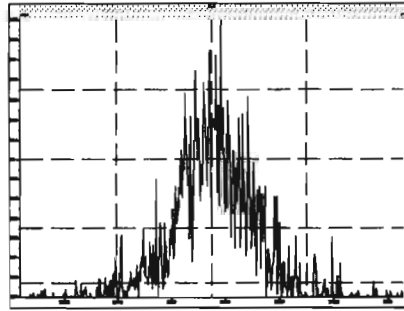
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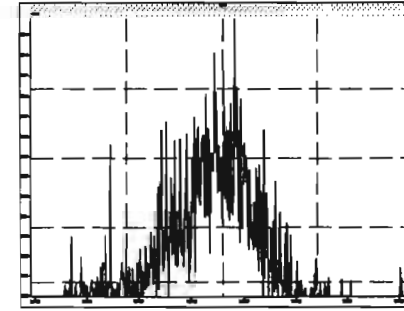
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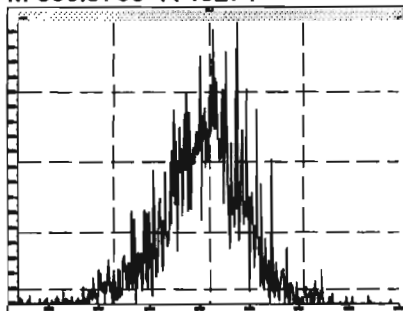
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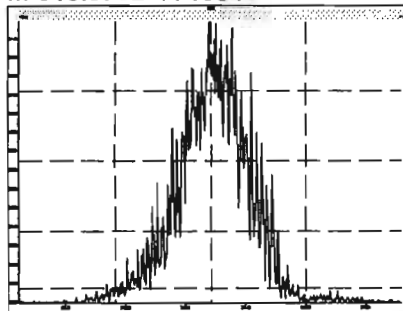
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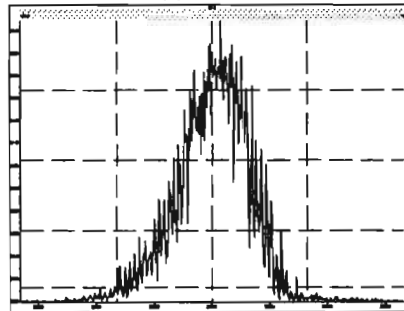
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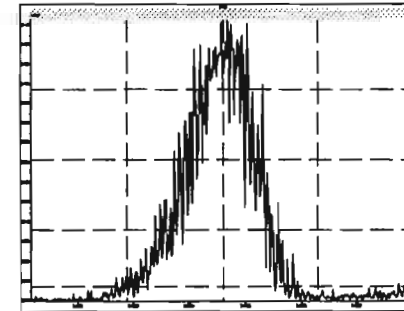
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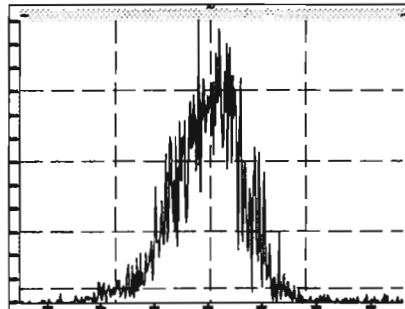


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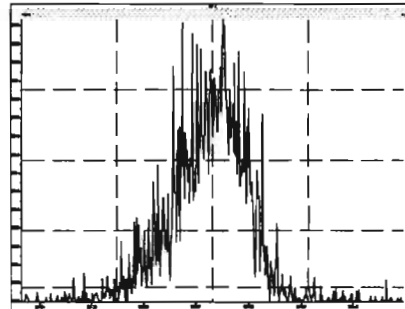


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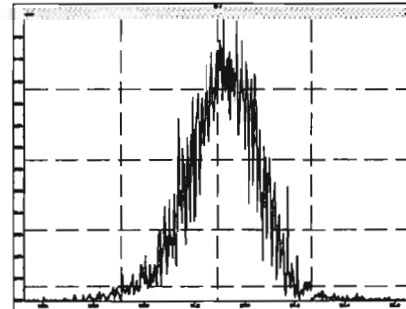
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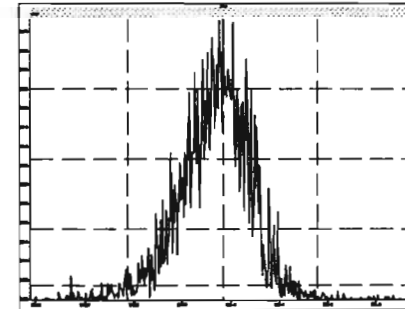
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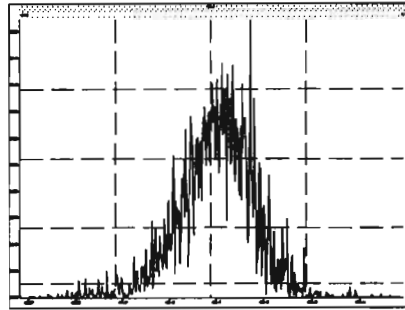
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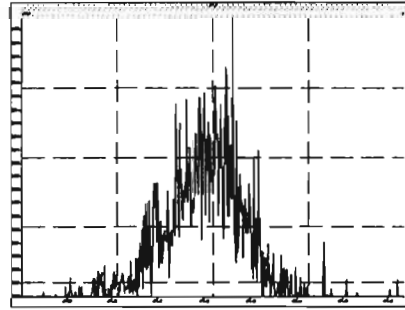
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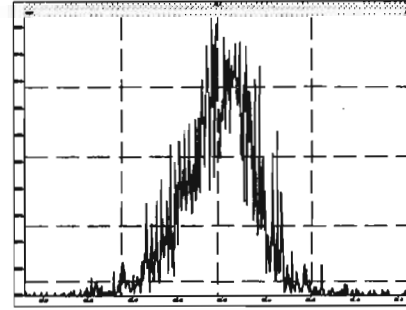
M 404.9760 R 16726



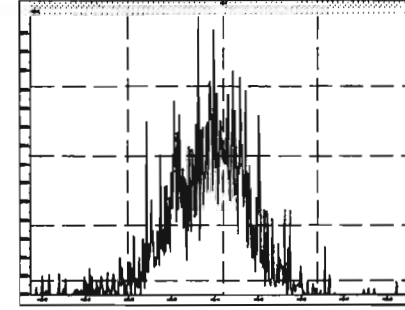
M 416.9760 R 17993



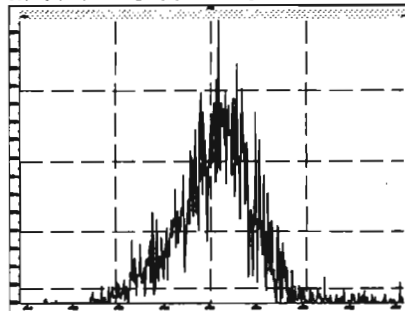
M 430.9728 R 14770



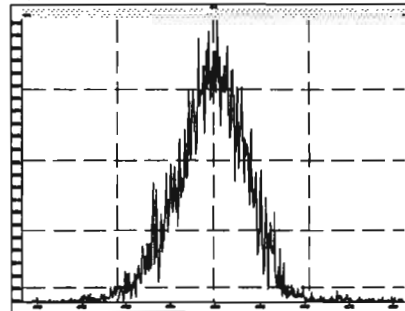
M 442.9728 R 17410



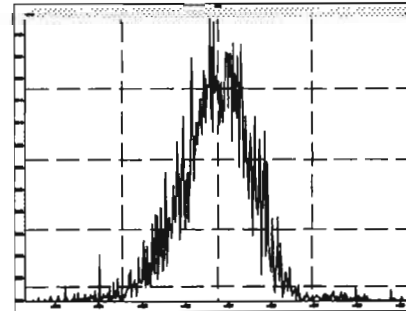
M 416.9760 R 14748



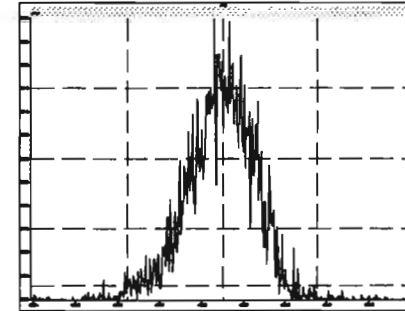
M 430.9728 R 13557



M 442.9728 R 13737

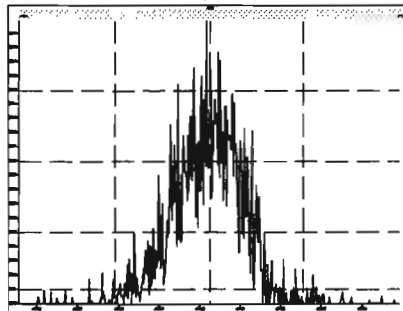


M 454.9728 R 14352

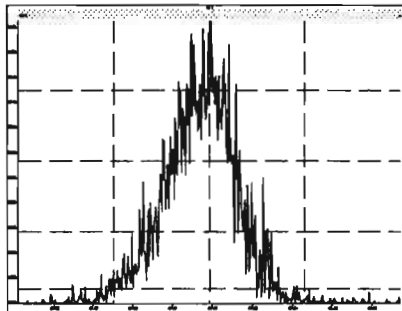


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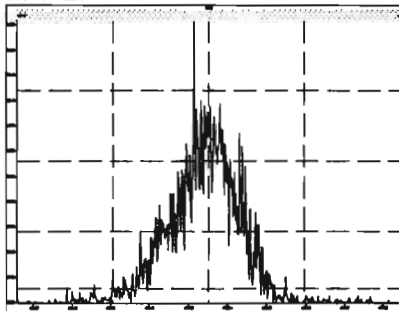
M 466.9728 R 17446



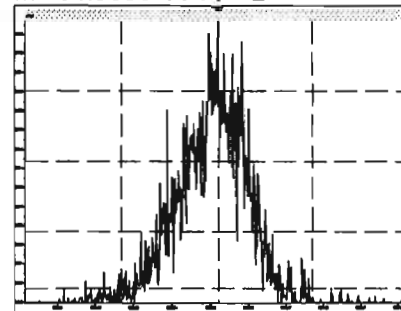
M 480.9696 R 13940



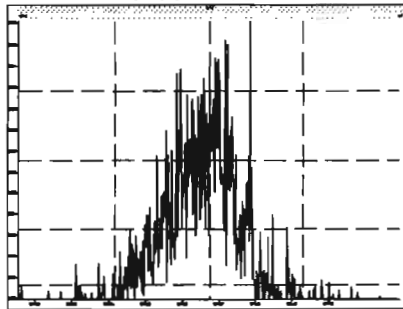
M 492.9696 R 15021



M 504.9696 R 14962



M 516.9697 R 16672





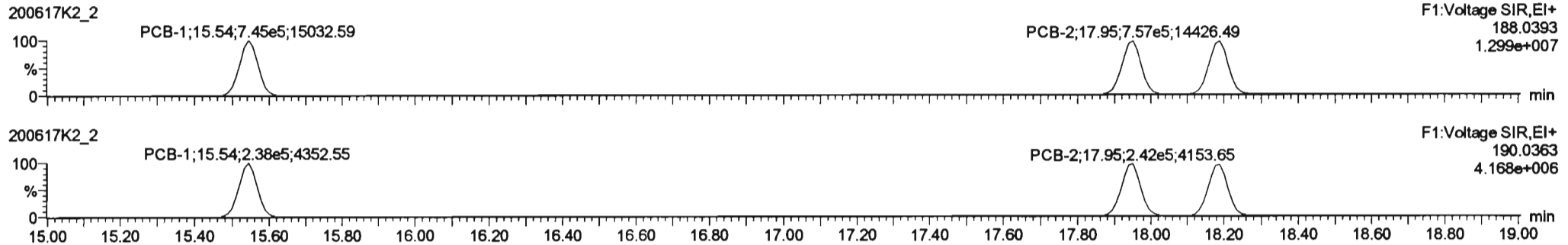
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Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

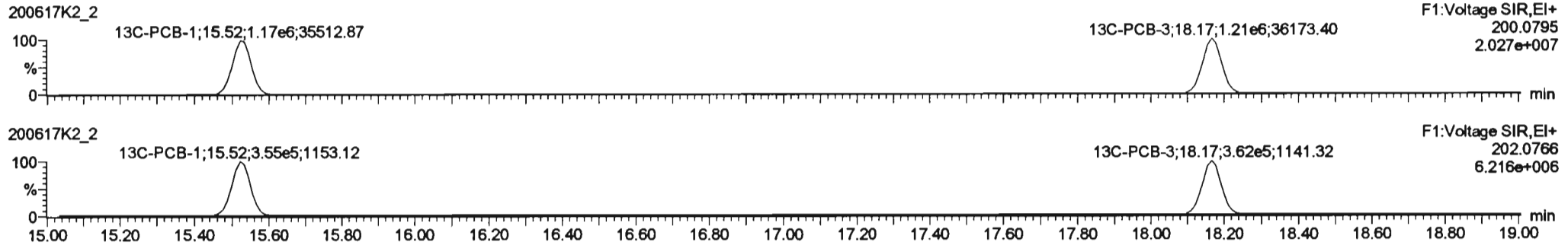
Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_6-13-20.mdb 14 Jun 2020 13:31:38  
Calibration: U:\VG11.PRO\CurveDB\vb1\_PCBvg11-6-1-20.cdb 02 Jun 2020 10:21:16

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

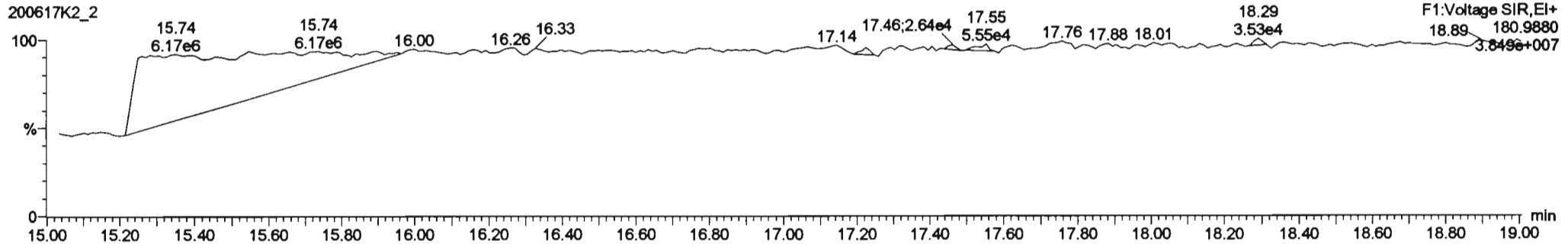
**PCB-1**



**13C-PCB-1**



**PFK1**



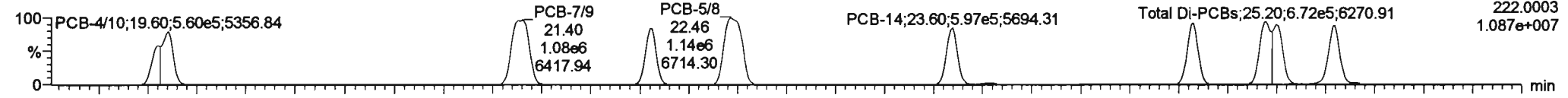
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

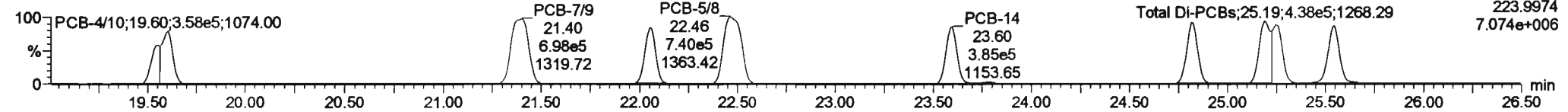
Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-4/10**

200617K2\_2

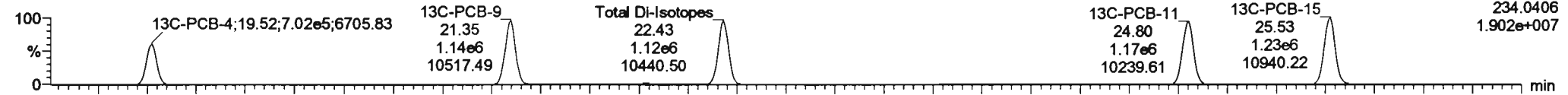


200617K2\_2

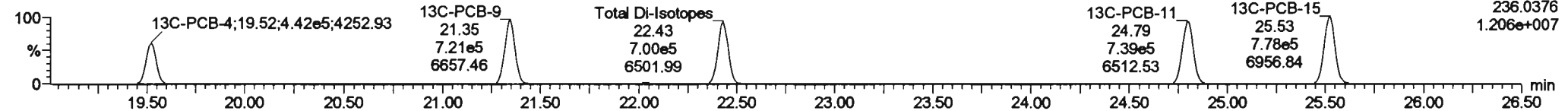


**13C-PCB-4**

200617K2\_2

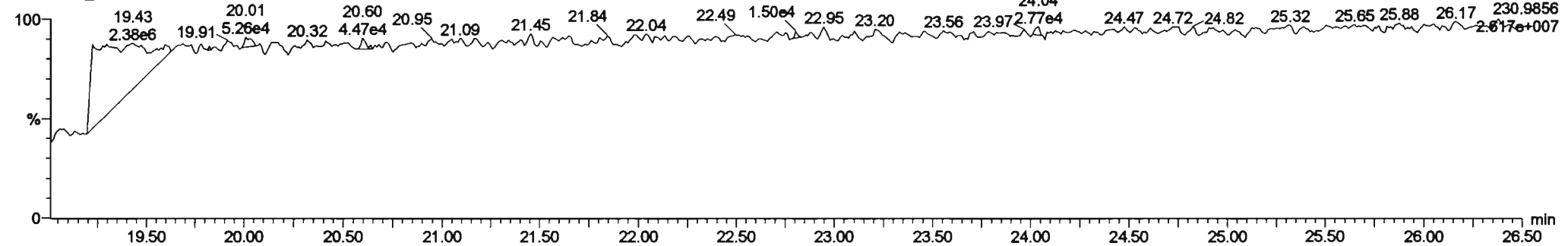


200617K2\_2



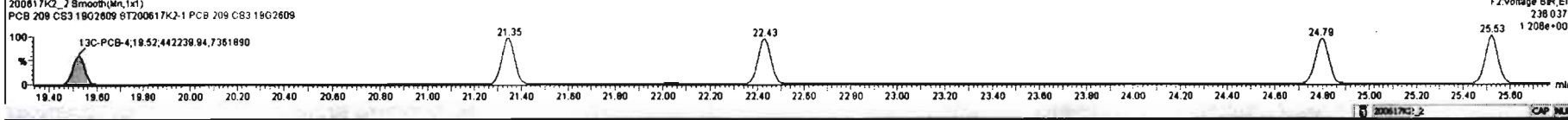
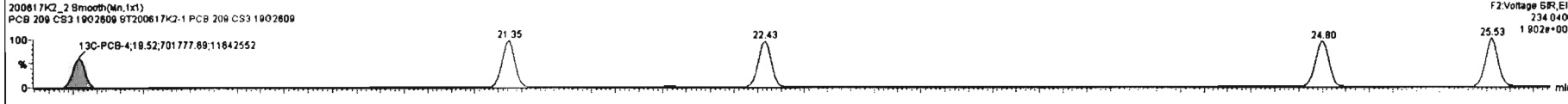
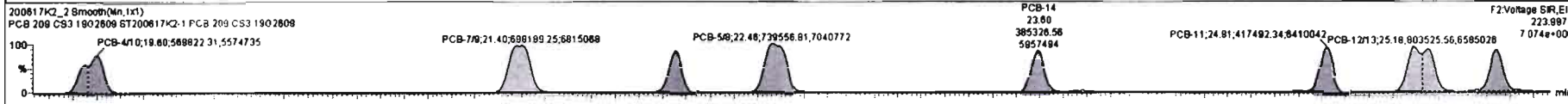
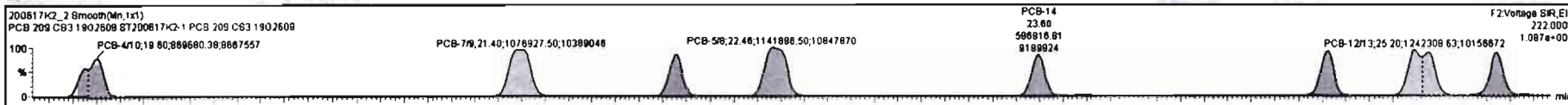
**PFK2a**

200617K2\_2



#	Name	Resp	RA	nly	RF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	1.26e6	0.80	NO	1.0821	1.000	37.78	37.78	0.988	0.988	NO	100.6	101	0.0584	
223	13C-PCB-178	4.20e5	0.48	NO	1.0508	1.000	45.87	45.87	0.823	0.823	NO	97.57	97.8	0.0713	
224	Total Mono-PCBs				1.1665	1.000	0.000		0.000		NO	163.2		0.0358	163.2
225	Total Di-PCBs				1.0537	1.000	0.000		0.933		NO	806.9		0.373	806.9
226	2nd Function Tri-PCBs				1.0807	1.000	0.000		0.000		NO	449.1		0.117	449.1
227	3rd Function Tri-PCBs				0.9828	1.000	0.000		0.000		NO	864.5		0.302	864.5
228	Total Tetra-PCBs				1.0778	1.000	0.000		0.000		NO	2347		0.882	2347
229	3rd Function Penta-PCBs				1.3157	1.000	0.000		0.000		NO	2273		0.748	2273
230	4th Function Penta-PCBs				1.0735	1.000	0.000		0.000		NO	266.8		0.130	266.8
231	3rd Function Hexa-PCBs				0.9505	1.000	0.000		0.000		NO	739.8		0.195	739.8
232	4th Function Hexa-PCBs				1.0318	1.000	0.000		0.000		NO	1530		0.940	1530

#	Name	Pred.RT	RT	wt Resp	nc2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
4	PCB-4r0	19.80	19.80	8.867e5	5.888e5	1.580	1.53	NO	100.82	100.82
5	PCB-78	21.41	21.40	1.077e6	8.802e5	1.580	1.54	NO	98.486	98.486
8	PCB-8	22.08	22.05	5.783e5	3.708e5	1.580	1.55	NO	49.796	49.796
7	PCB-58	22.47	22.48	1.142e6	7.368e5	1.580	1.54	NO	102.01	102.01
6	PCB-14	23.80	23.80	5.888e5	3.853e5	1.580	1.55	NO	50.498	50.498
9	PCB-11	24.82	24.82	6.503e5	4.175e5	1.580	1.58	NO	49.582	49.582
10	PCB-12r13	25.25	25.20	1.242e6	8.035e5	1.580	1.55	NO	104.22	104.22
11	PCB-15	25.57	25.55	8.303e5	4.075e5	1.580	1.55	NO	52.450	52.450

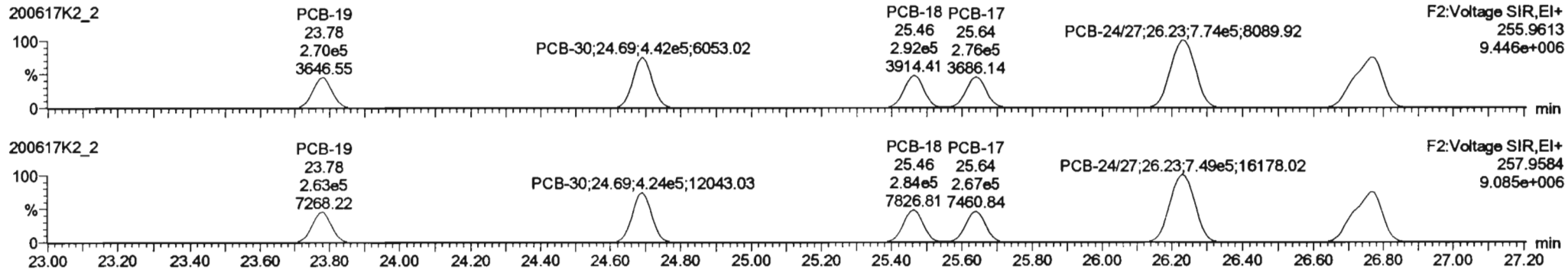


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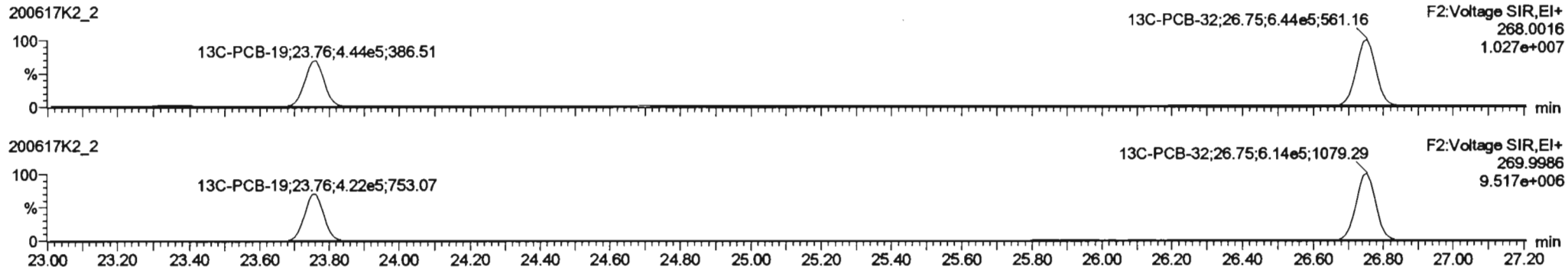
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

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

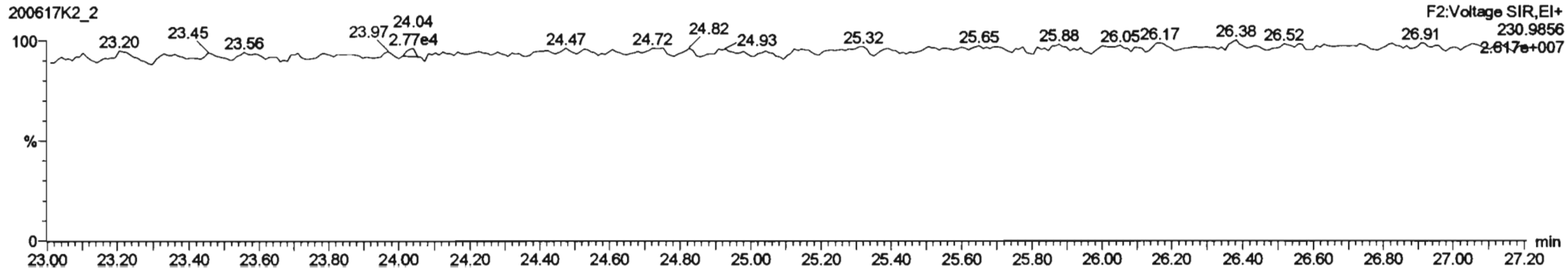
**PCB-19**



**13C-PCB-19**



**PFK2b**

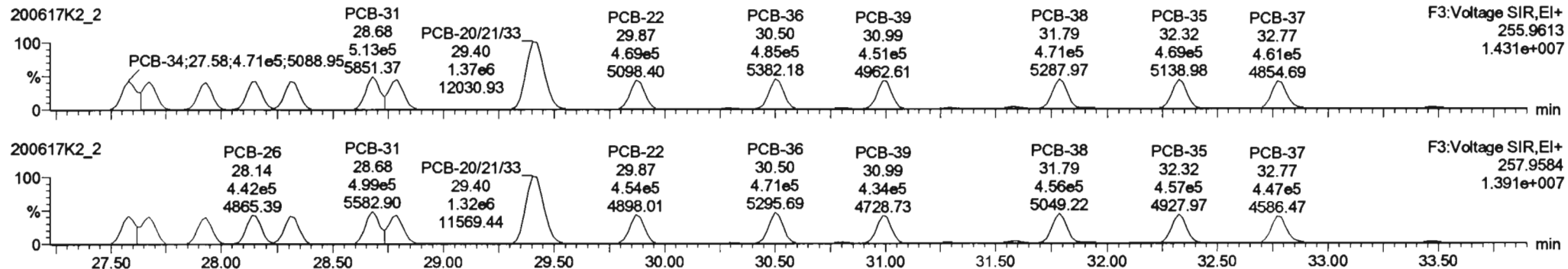


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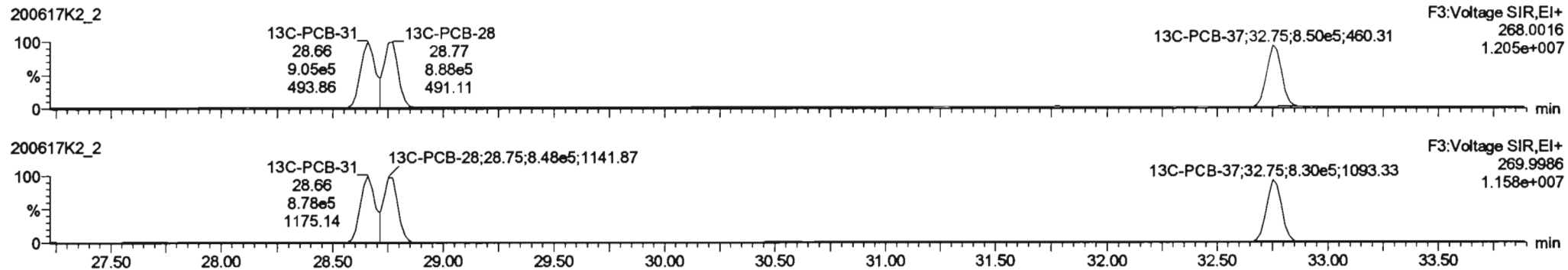
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Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

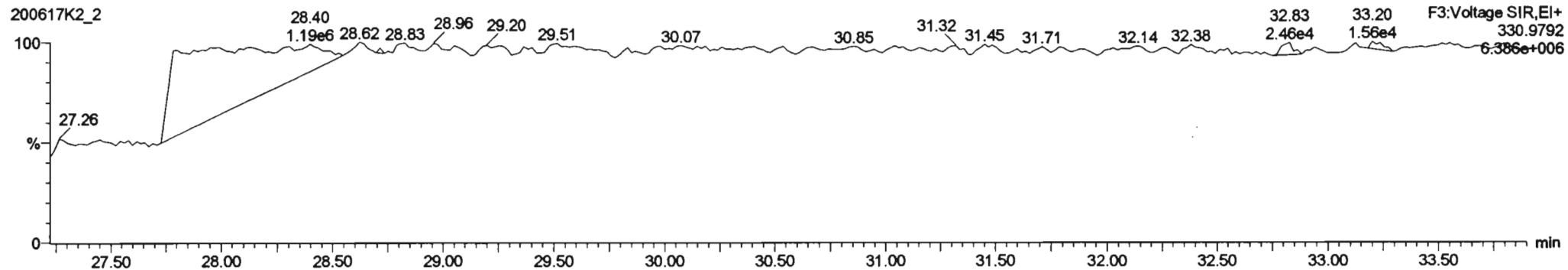
**PCB-34**

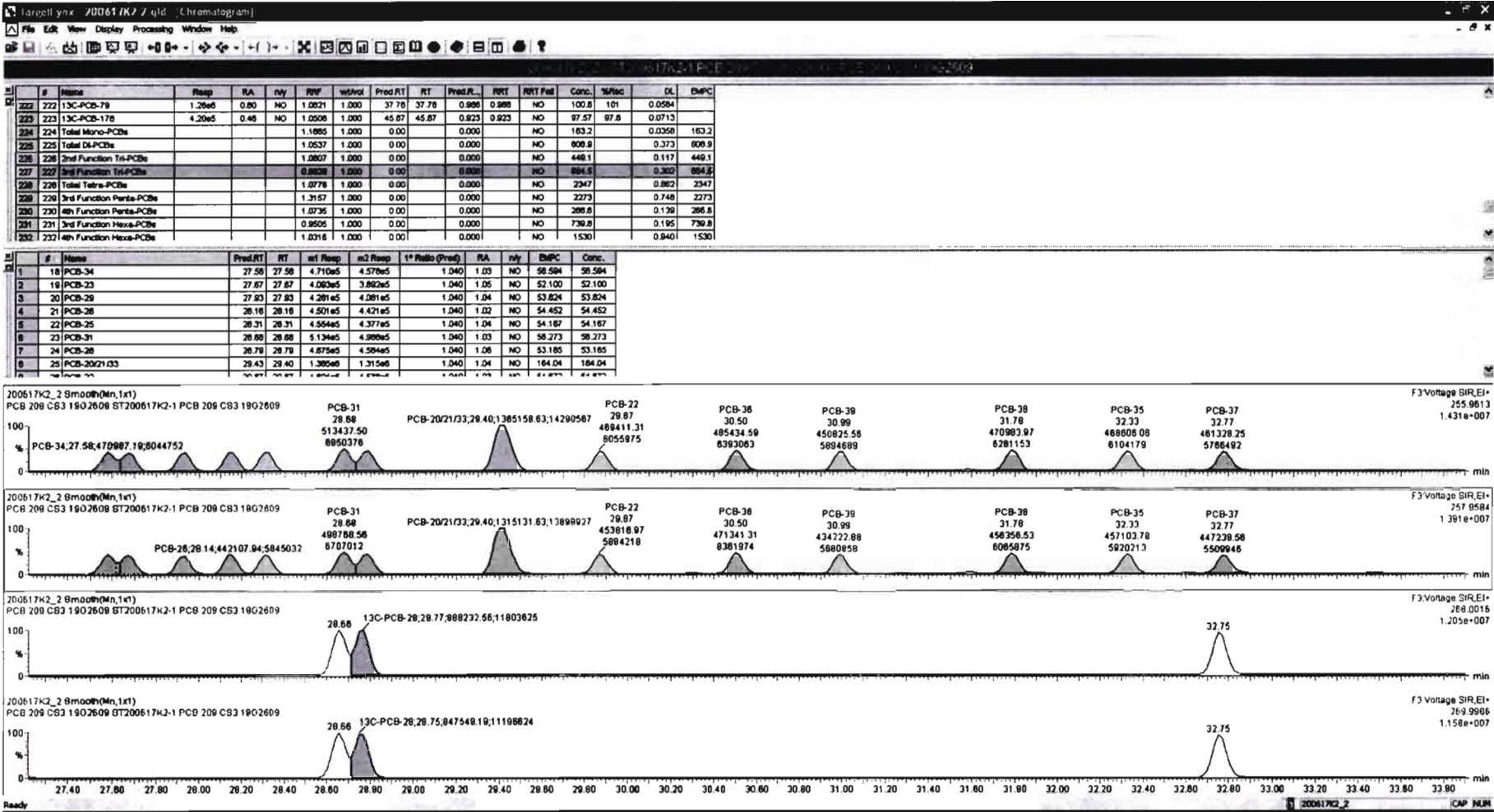


**13C-PCB-28**



**PFK3d**



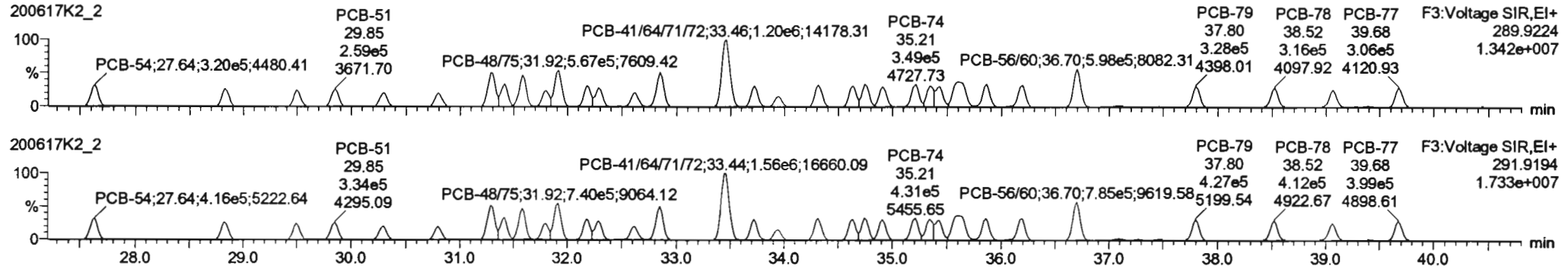


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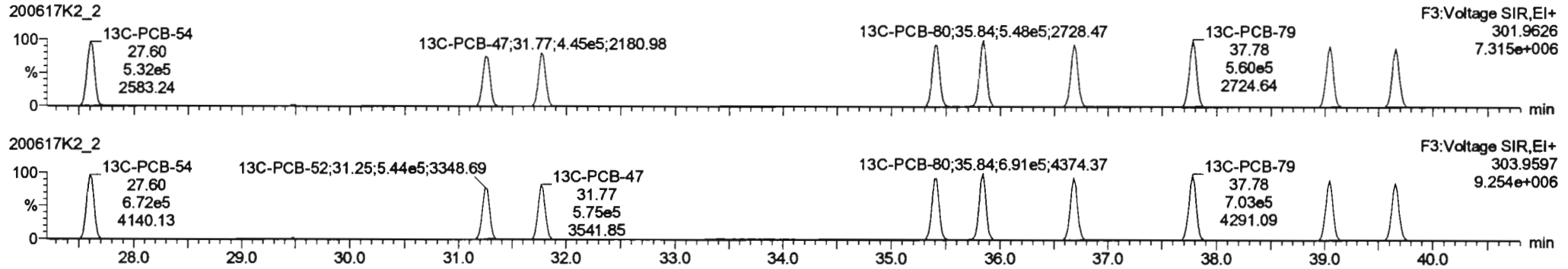
Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
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Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

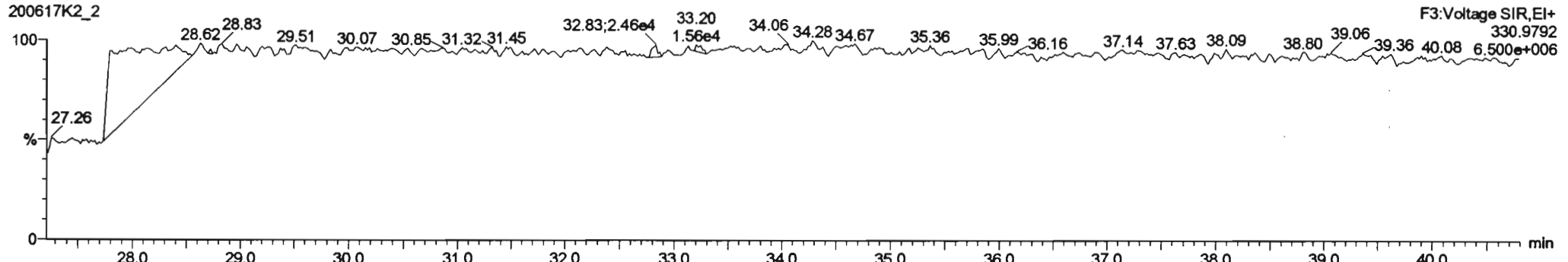
**PCB-54**



**13C-PCB-54**



**PFK3a**



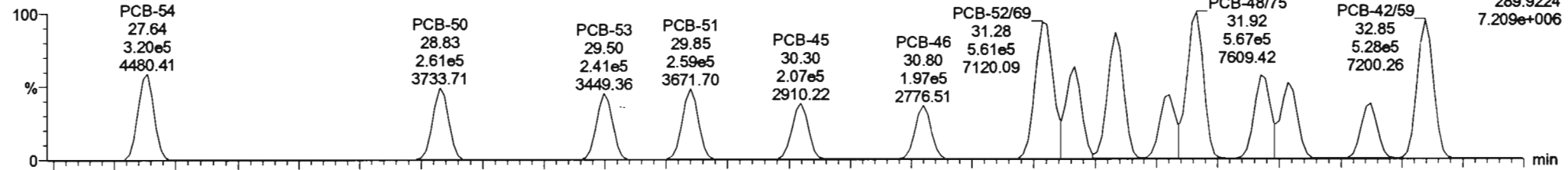
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

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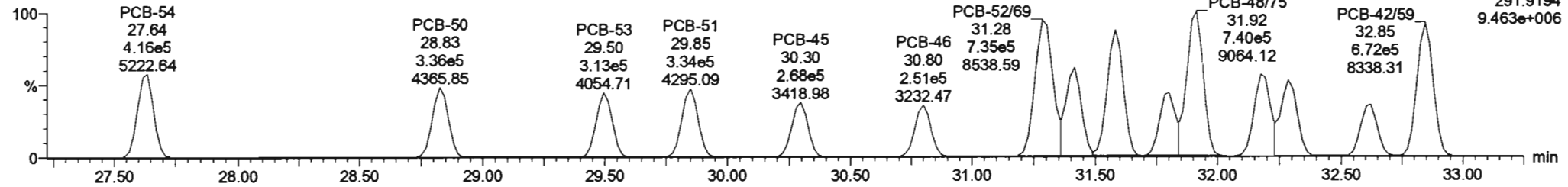
**PCB-50**

200617K2\_2



F3:Voltage SIR,EI+  
289.9224  
7.209e+006

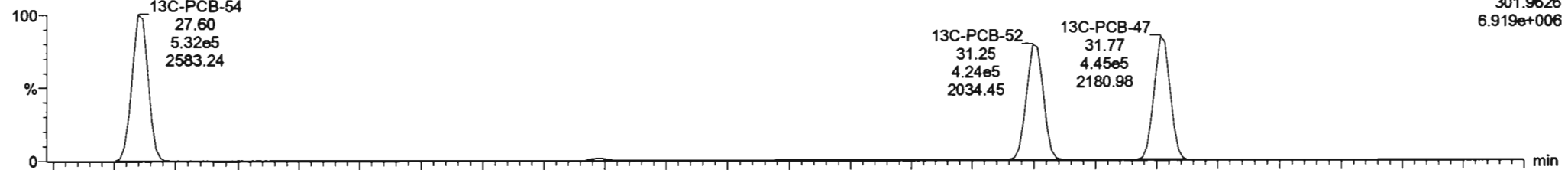
200617K2\_2



F3:Voltage SIR,EI+  
291.9194  
9.463e+006

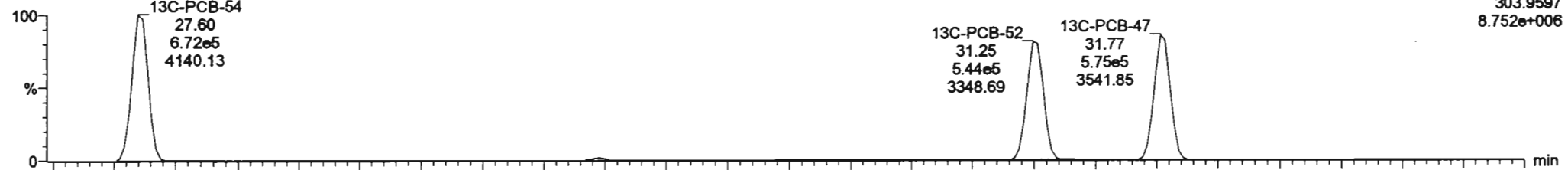
**13C-PCB-52**

200617K2\_2



F3:Voltage SIR,EI+  
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6.919e+006

200617K2\_2



F3:Voltage SIR,EI+  
303.9597  
8.752e+006



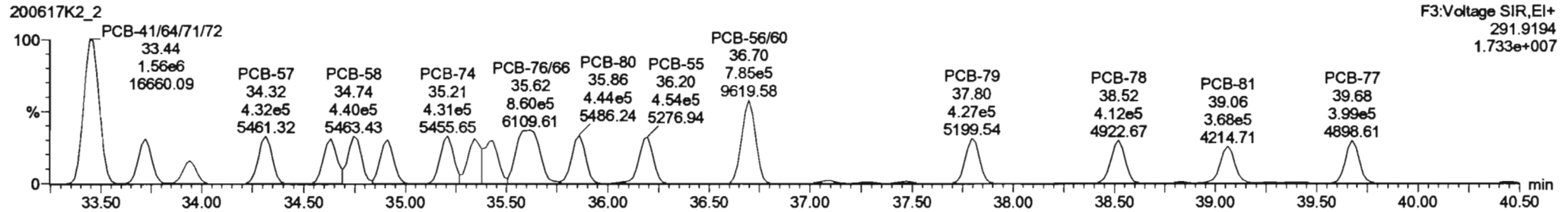
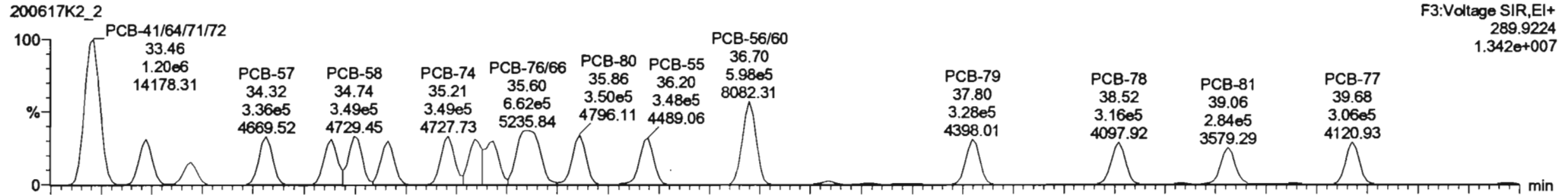
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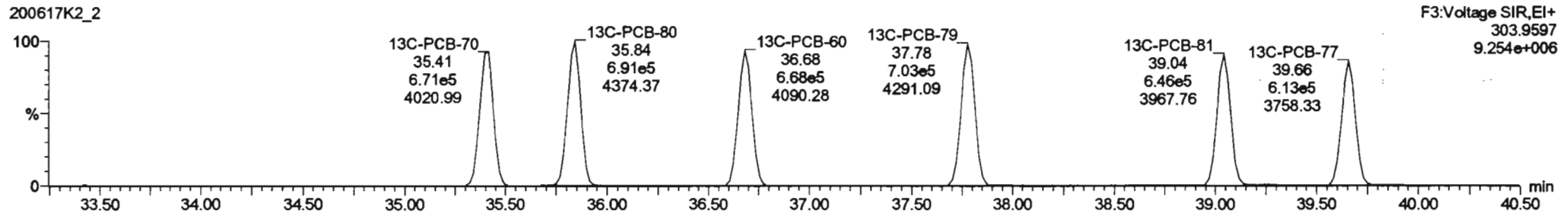
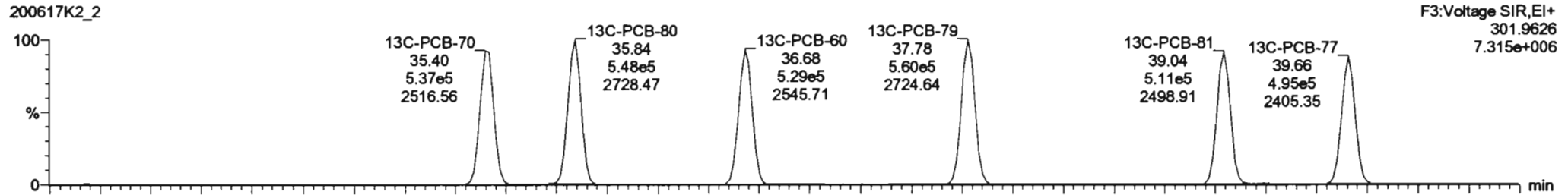
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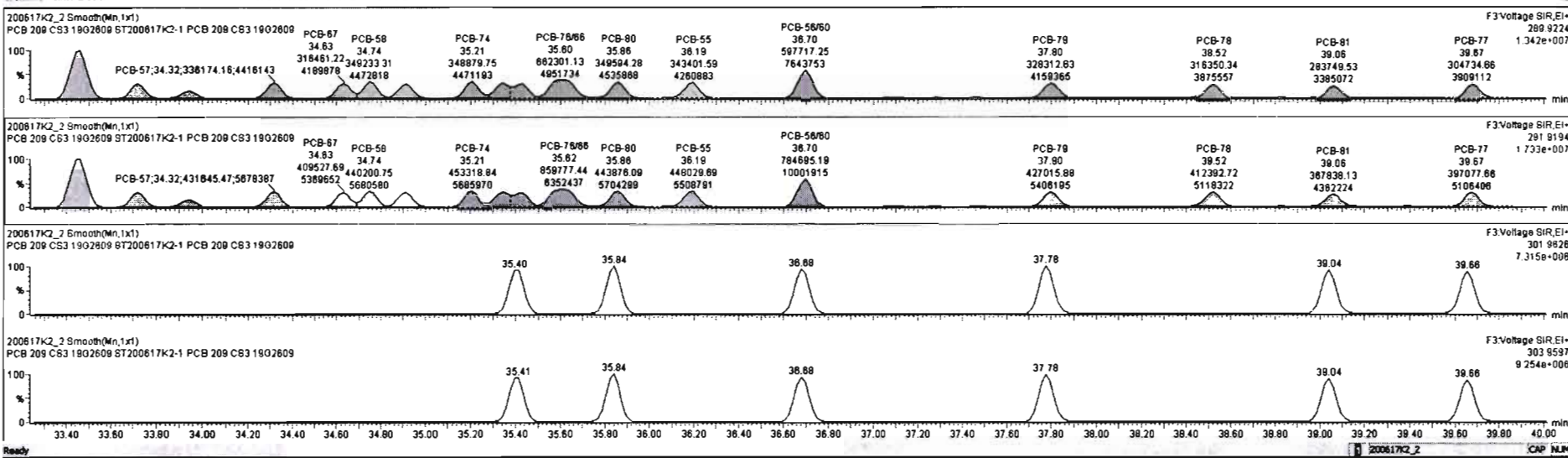
**PCB-68**



**13C-PCB-60**



#	Name	Resp	RA	nly	RNF	ntotal	Pred_RT	RT	Pred_R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	1.26e5	0.80	NO	1.0521	1.000	37.78	37.78	0.968	0.968	NO	100.8	101	0.0584	
223	13C-PCB-178	4.20e5	0.46	NO	1.0508	1.000	45.87	45.87	0.923	0.923	NO	97.57	97.6	0.0713	
224	Total Mono-PCBs				1.1895	1.000	0.00	0.000	0.000	0.000	NO	163.2		0.0398	163.2
225	Total Di-PCBs				1.0537	1.000	0.00	0.000	0.000	0.000	NO	608.9		0.373	608.9
226	2nd Function Tri-PCBs				1.0807	1.000	0.00	0.000	0.000	0.000	NO	448.1		0.117	448.1
227	3rd Function Tri-PCBs				0.9828	1.000	0.00	0.000	0.000	0.000	NO	864.5		0.302	864.5
228	Total Tetra-PCBs				1.0776	1.000	0.00	0.000	0.000	0.000	NO	2047		0.880	2047
229	3rd Function Penta-PCBs				1.3157	1.000	0.00	0.000	0.000	0.000	NO	2279		0.748	2279
230	4th Function Penta-PCBs				1.0735	1.000	0.00	0.000	0.000	0.000	NO	266.6		0.138	266.6
231	3rd Function Hexa-PCBs				0.9505	1.000	0.00	0.000	0.000	0.000	NO	738.8		0.195	738.8
232	4th Function Hexa-PCBs				1.0316	1.000	0.00	0.000	0.000	0.000	NO	1530		0.940	1530



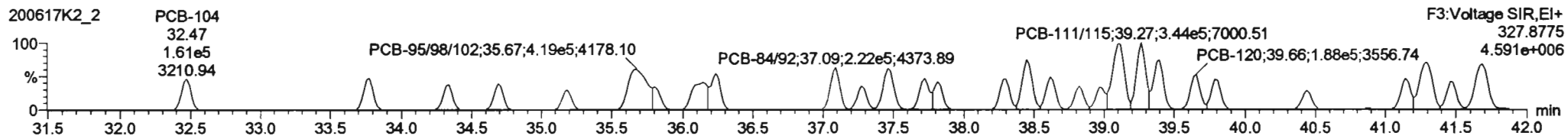
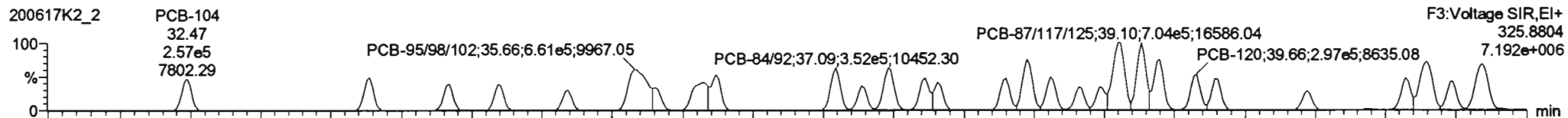
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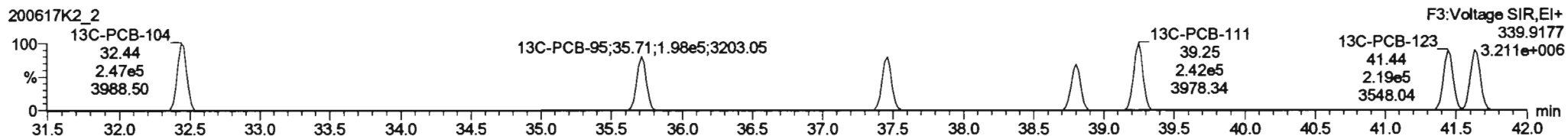
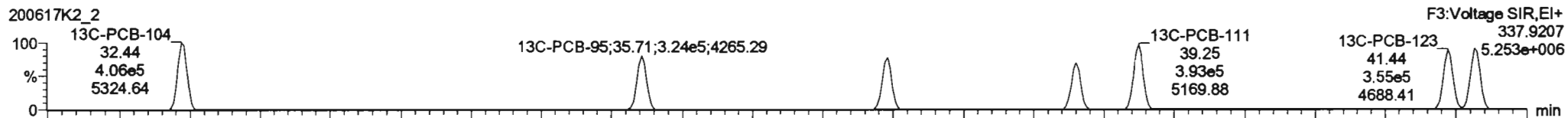
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Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

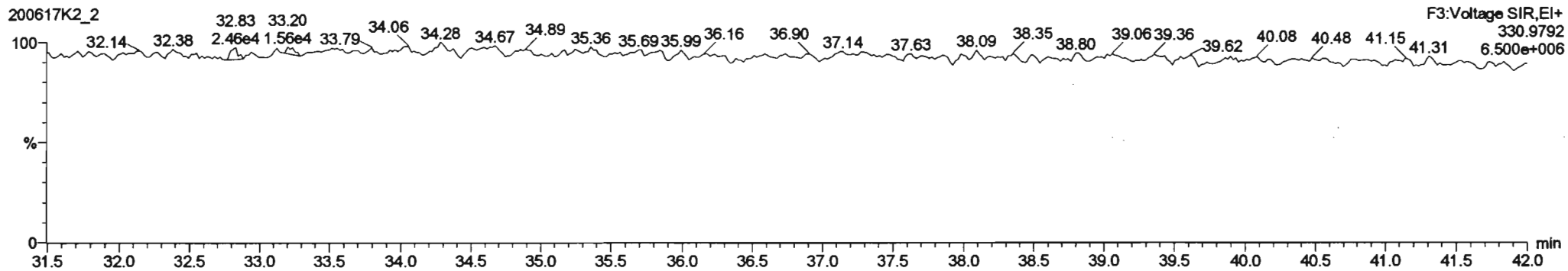
**PCB-104**



**13C-PCB-104**



**PFK3b**



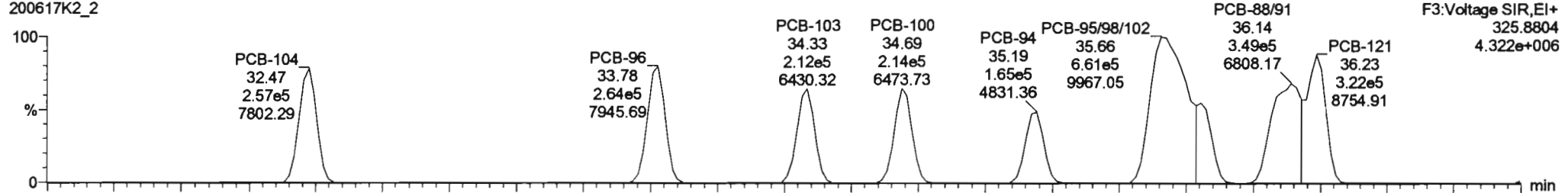
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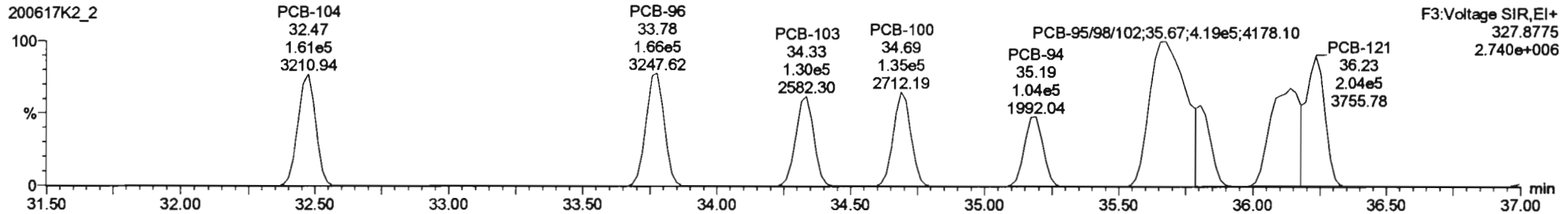
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**PCB-96**

200617K2\_2

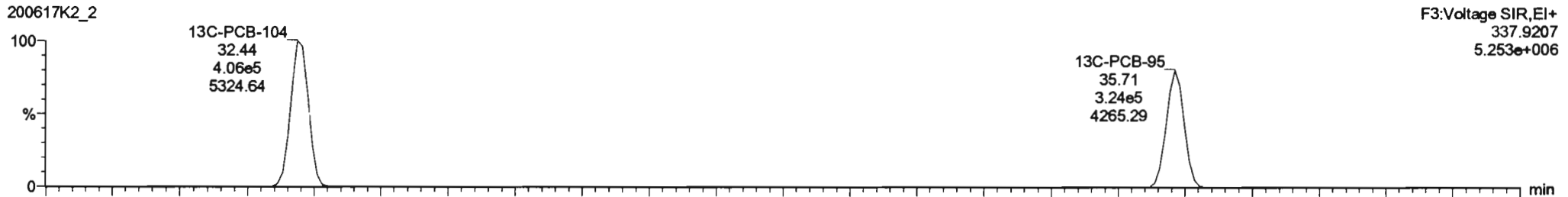


200617K2\_2

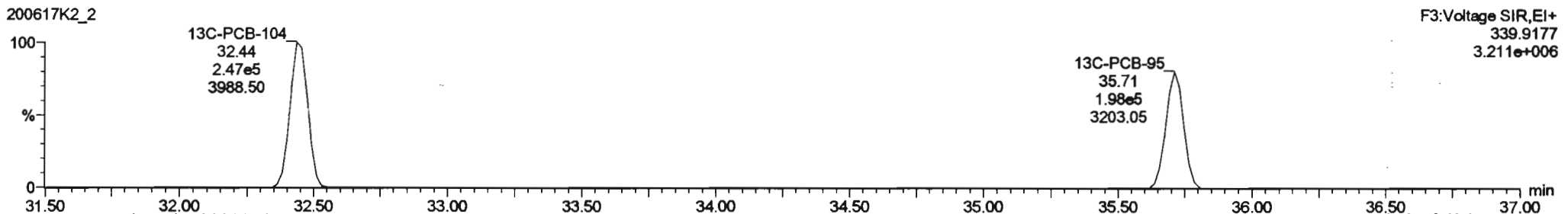


**13C-PCB-95**

200617K2\_2



200617K2\_2



Dataset: Untitled

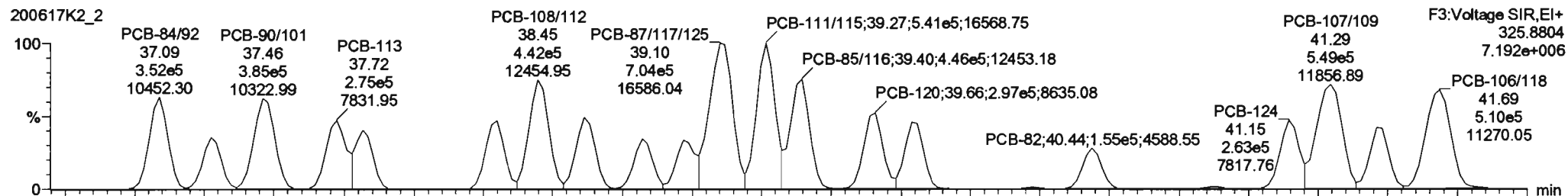
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

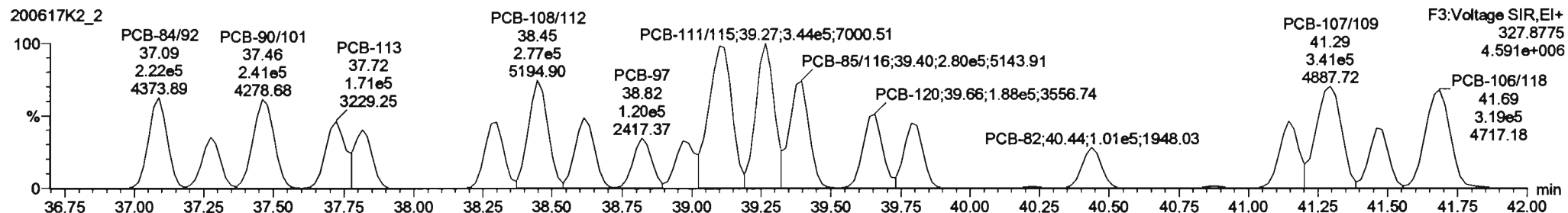
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**PCB-119**

200617K2\_2

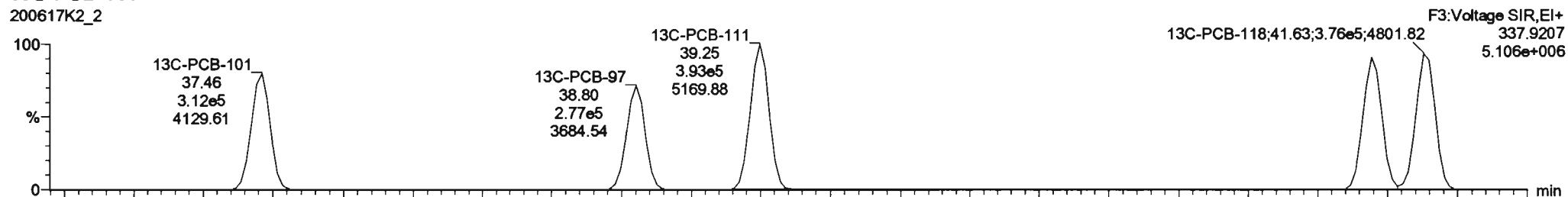


200617K2\_2

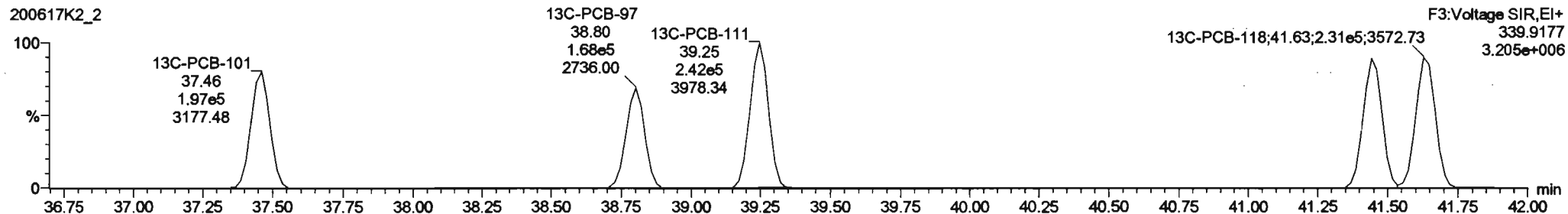


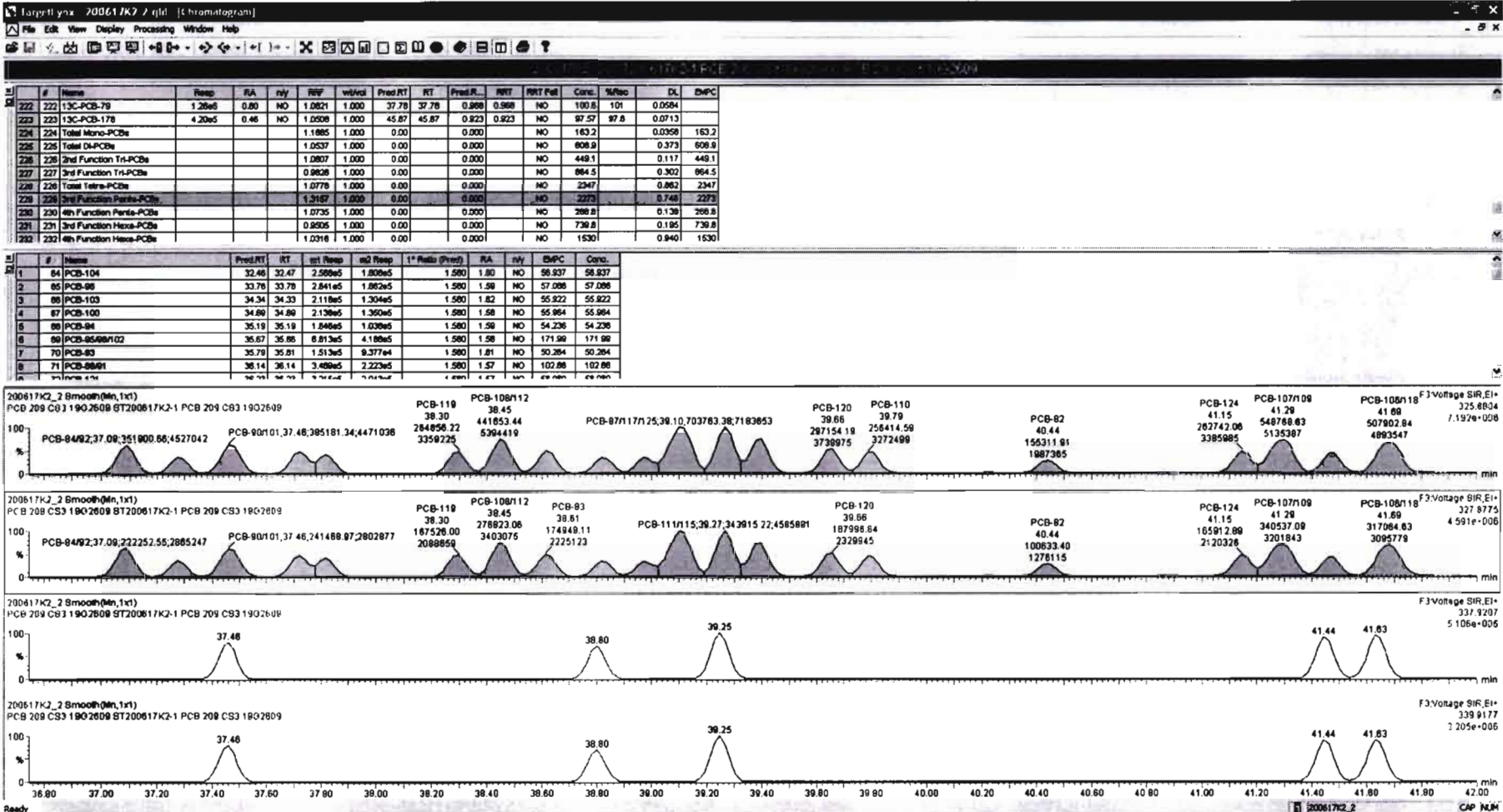
**13C-PCB-111**

200617K2\_2



200617K2\_2



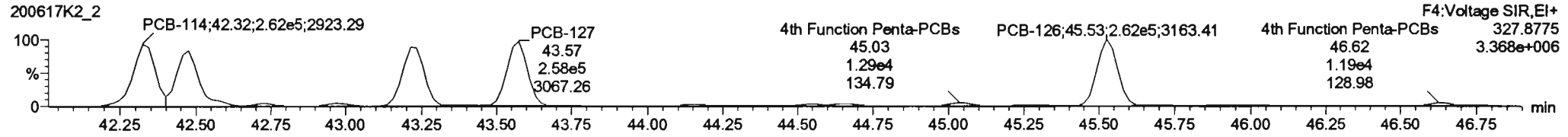
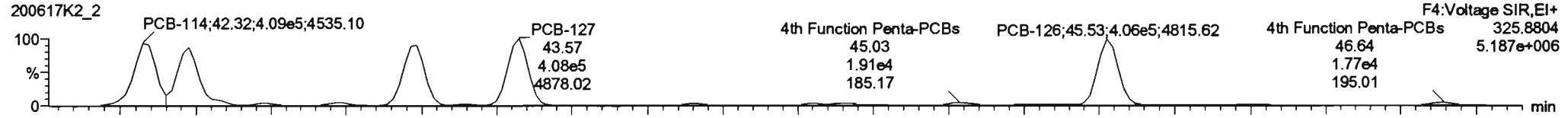


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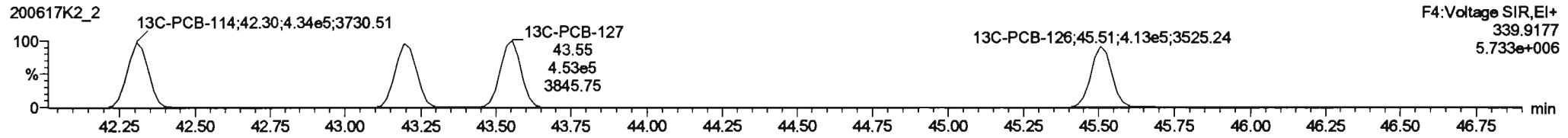
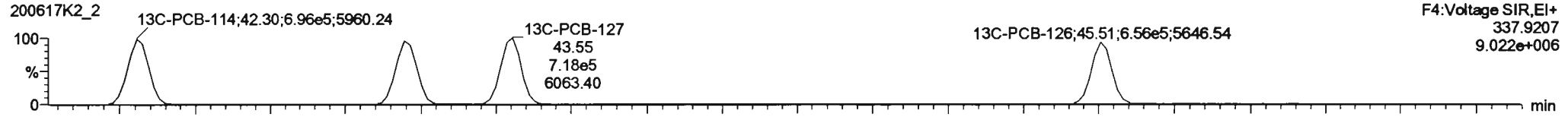
Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
 Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

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

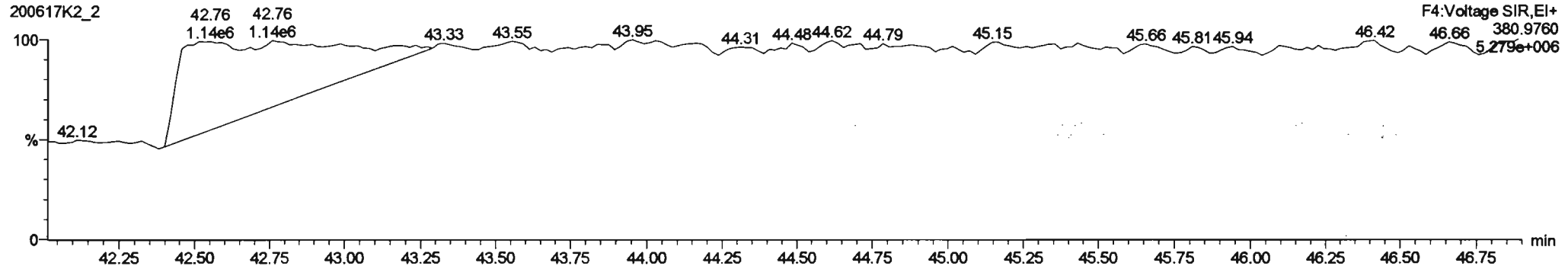
**PCB-114**



**13C-PCB-114**

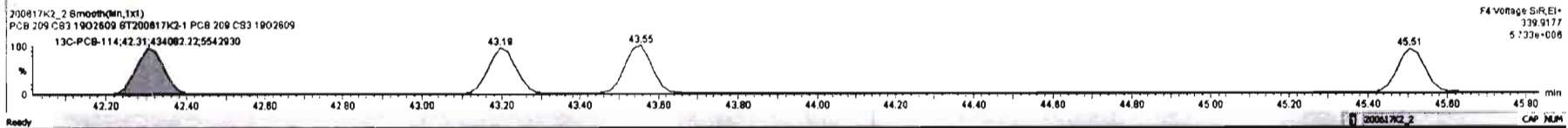
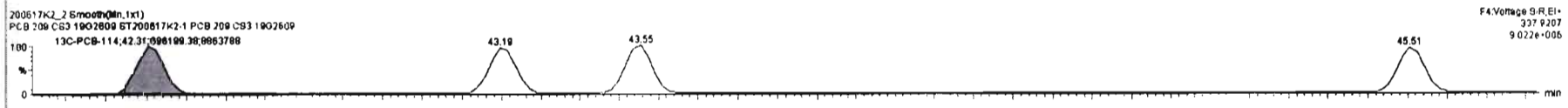
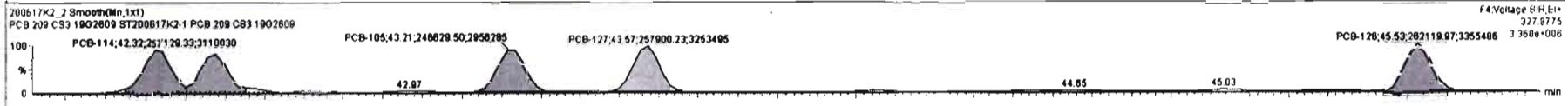
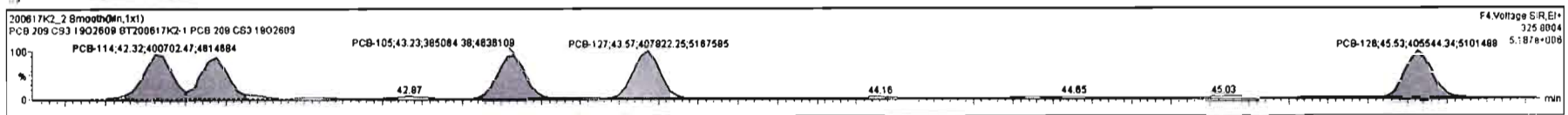


**PFK4a**



#	Name	Resp	RA	nly	RPF	wVal	Pred RT	RT	Pred R...	RRT	RRT Fall	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	1.20e5	0.80	NO	1.0021	1.000	37.78	37.78	0.998	0.998	NO	100.0	101	0.0594	
223	13C-PCB-178	4.20e5	0.48	NO	1.0500	1.000	45.87	45.87	0.923	0.923	NO	97.57	87.8	0.0713	
224	Total Mono-PCBs				1.1885	1.000	0.00		0.000		NO	183.2		0.0399	183.2
225	Total Di-PCBs				1.0537	1.000	0.00		0.000		NO	808.9		0.373	808.9
226	2nd Function Tri-PCBs				1.0807	1.000	0.00		0.000		NO	449.1		0.117	449.1
227	3rd Function Tri-PCBs				0.9828	1.000	0.00		0.000		NO	884.5		0.302	884.5
228	Total Tetra-PCBs				1.0778	1.000	0.00		0.000		NO	2347		0.882	2347
229	3rd Function Penta-PCBs				1.3157	1.000	0.00		0.000		NO	2273		0.748	2273
230	All Hexa-PCBs				1.0735	1.000	0.00		0.000		NO	288.8		0.138	288.8
231	3rd Function Hexa-PCBs				0.8505	1.000	0.00		0.000		NO	739.8		0.185	739.8
232	All Function Hexa-PCBs				1.0318	1.000	0.00		0.000		NO	1530		0.940	1530

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





Dataset: Untitled

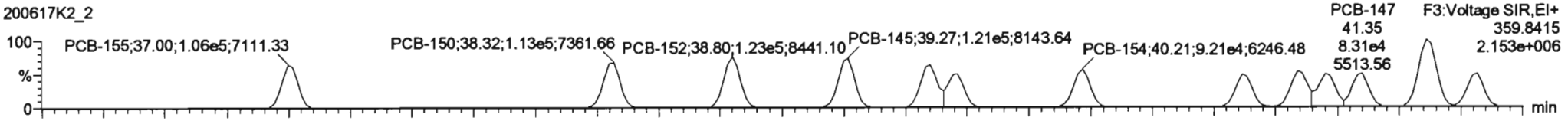
Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time

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

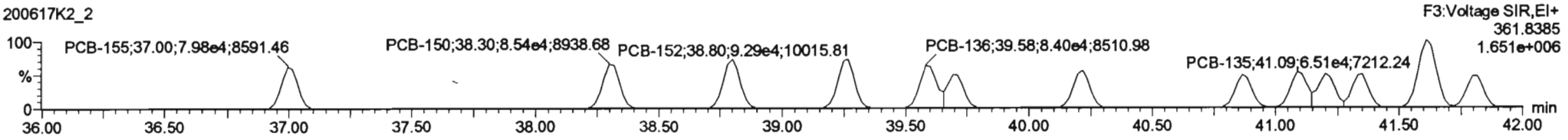
Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-155**

200617K2\_2

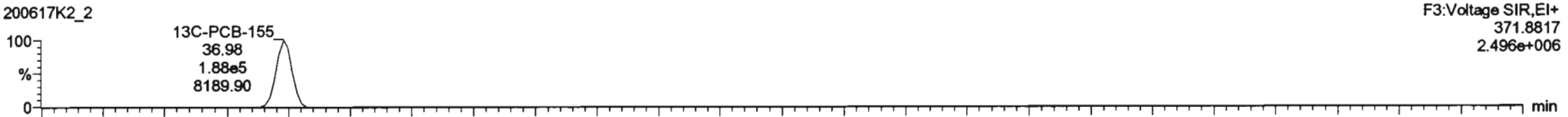


200617K2\_2

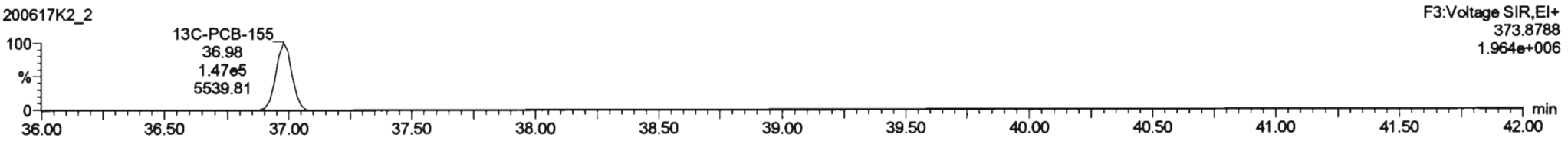


**13C-PCB-155**

200617K2\_2

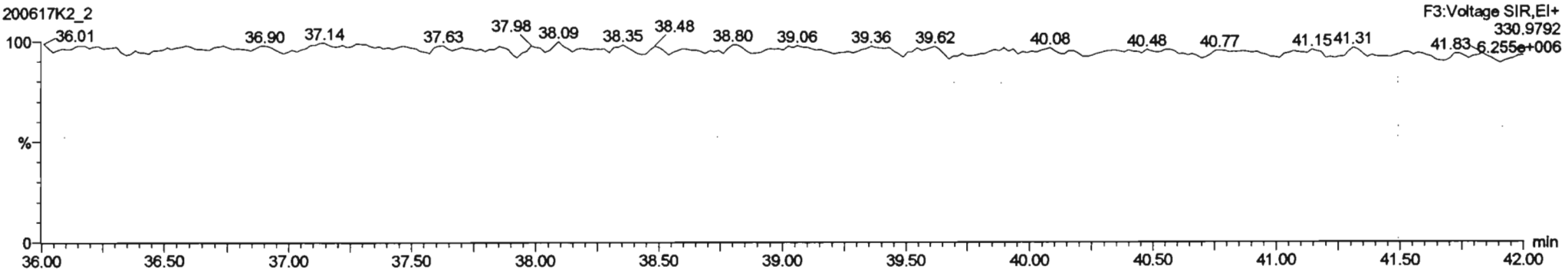


200617K2\_2



**PFK3c**

200617K2\_2



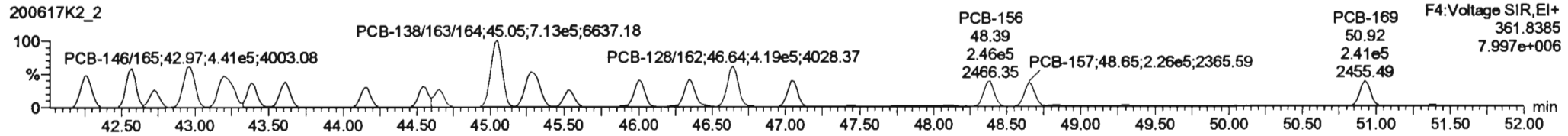
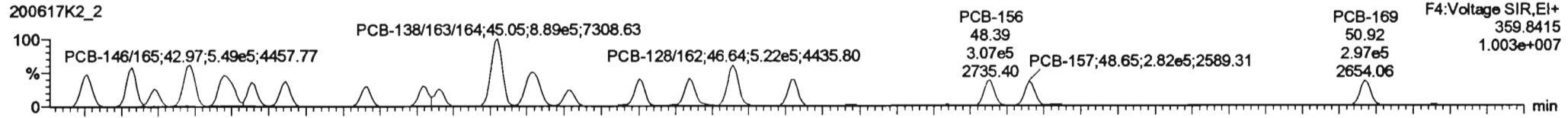
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Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time

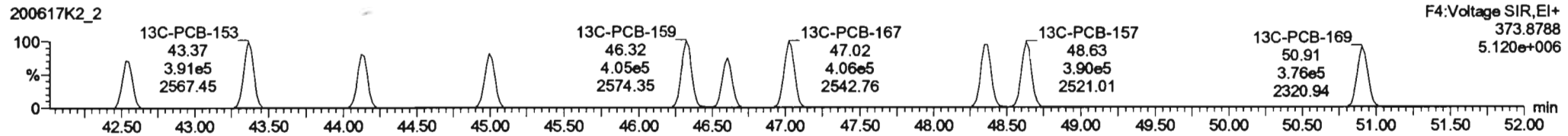
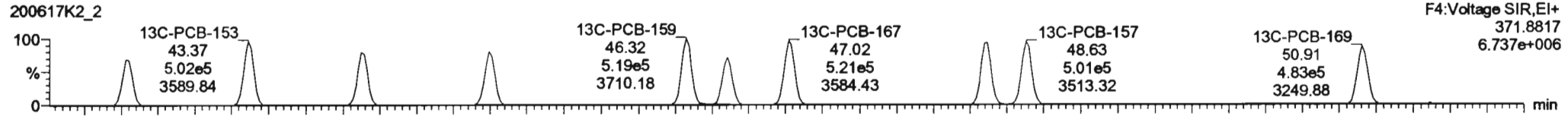
Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

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

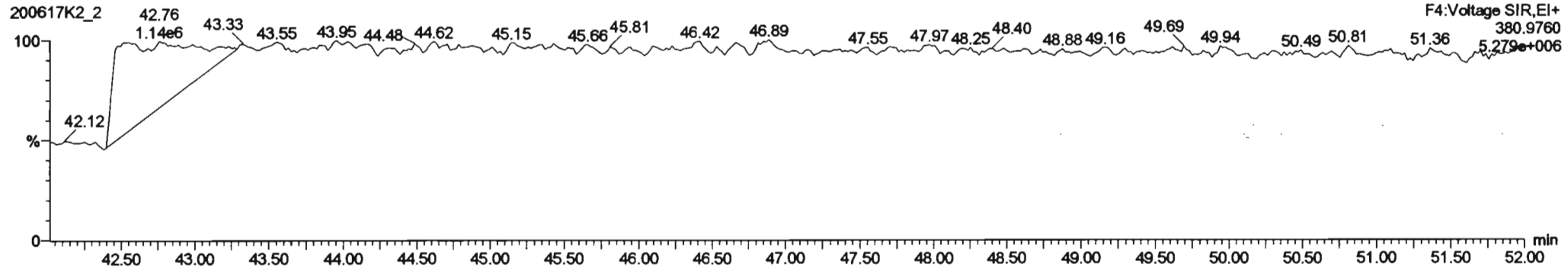
**PCB-134/143**



**13C-PCB-153**

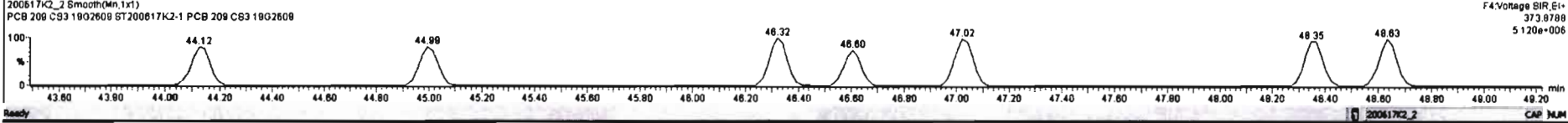
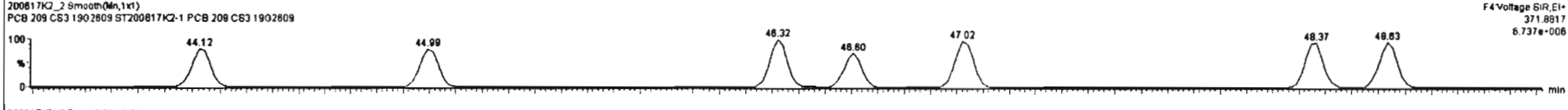
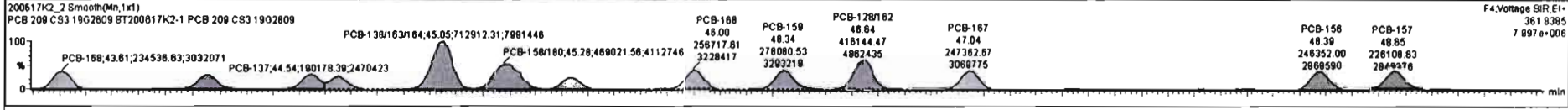
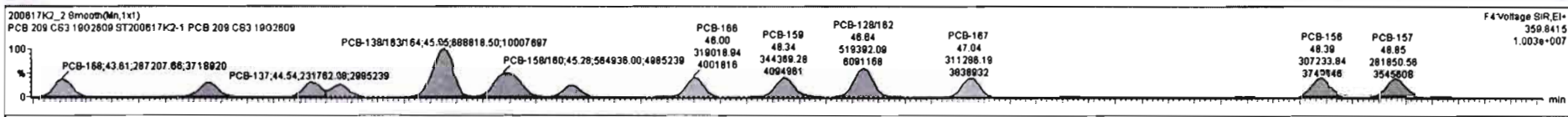


**PFK4b**



#	Name	Resp	RA	nly	RF	withd	Pred.RT	RT	Pred.RT	RF	RFI	Comp	%Area	DL	EMPC
222	13C-PCB-79	1.26e8	0.80	NO	1.0821	1.000	37.78	37.78	0.988	0.988	NO	100.8	101	0.0584	
223	13C-PCB-178	4.20e5	0.46	NO	1.0508	1.000	45.87	45.87	0.923	0.923	NO	97.57	97.8	0.0713	
224	Total Mono-PCBs				1.1685	1.000	0.00		0.000		NO	183.2		0.0358	183.2
225	Total Di-PCBs				1.0537	1.000	0.00		0.000		NO	808.9		0.373	808.9
226	2nd Function Tri-PCBs				1.0807	1.000	0.00		0.000		NO	448.1		0.117	448.1
227	3rd Function Tri-PCBs				0.9828	1.000	0.00		0.000		NO	884.5		0.302	884.5
228	Total Tetra-PCBs				1.0778	1.000	0.00		0.000		NO	2347		0.882	2347
229	3rd Function Penta-PCBs				1.3157	1.000	0.00		0.000		NO	2273		0.748	2273
230	4th Function Penta-PCBs				1.0735	1.000	0.00		0.000		NO	288.8		0.136	288.8
231	3rd Function Hexa-PCBs				0.9806	1.000	0.00		0.000		NO	738.8		0.195	738.8
232	4th Function Hexa-PCBs				1.0318	1.000	0.00		0.000		NO	1530		0.840	1530

#	Name	Pred.RT	RT	int Resp	int2 Resp	I* Ratio (Peak)	RA	nly	EMPC	Comp
1	111 PCB-134/A/43	42.28	42.27	4.230e5	3.402e5	1.240	1.24	NO	112.52	112.52
2	112 PCB-131/A/33	42.58	42.57	4.532e5	3.857e5	1.240	1.24	NO	111.74	111.74
3	113 PCB-142	42.72	42.72	2.027e5	1.851e5	1.240	1.23	NO	54.808	54.808
4	114 PCB-148/A/85	42.87	42.87	5.488e5	4.414e5	1.240	1.24	NO	108.07	108.07
5	115 PCB-132/A/81	43.20	43.18	5.427e5	4.488e5	1.240	1.22	NO	108.20	108.20
6	116 PCB-153	43.38	43.38	2.713e5	2.235e5	1.240	1.21	NO	51.788	51.788
7	117 PCB-188	43.81	43.81	2.872e5	2.345e5	1.240	1.23	NO	54.247	54.247
8	118 PCB-141	44.14	44.16	2.328e5	1.875e5	1.240	1.24	NO	54.850	54.850



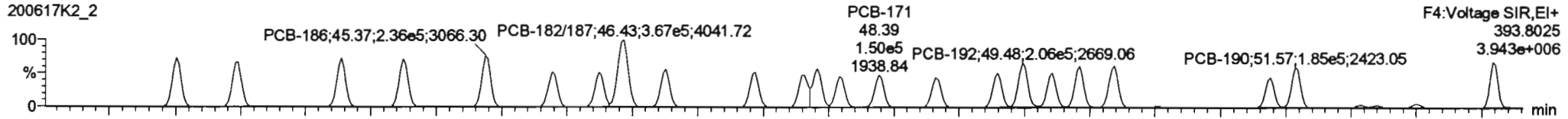
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

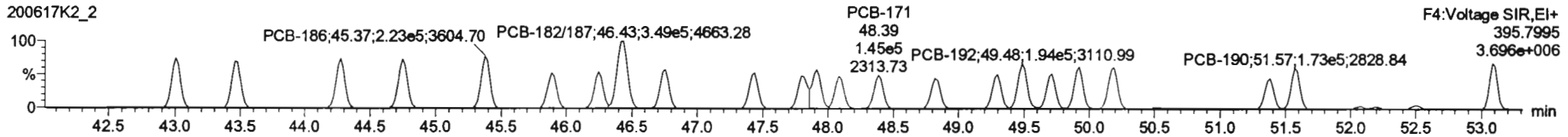
Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-188**

200617K2\_2

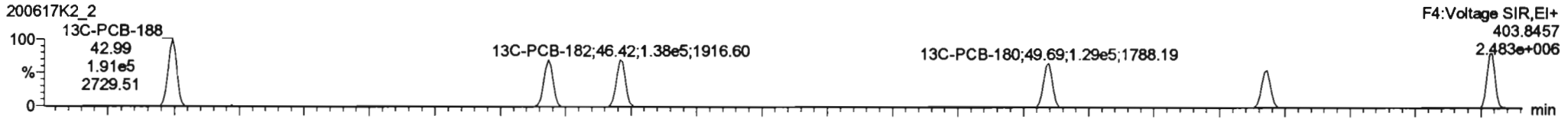


200617K2\_2

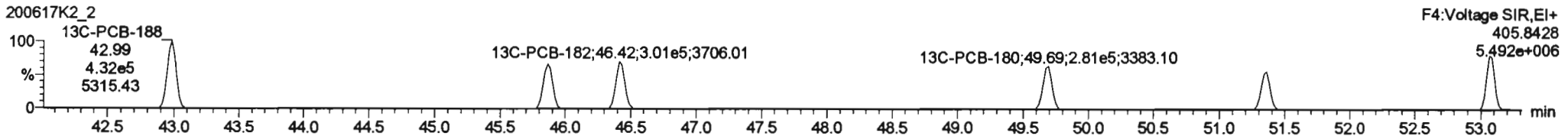


**13C-PCB-188**

200617K2\_2

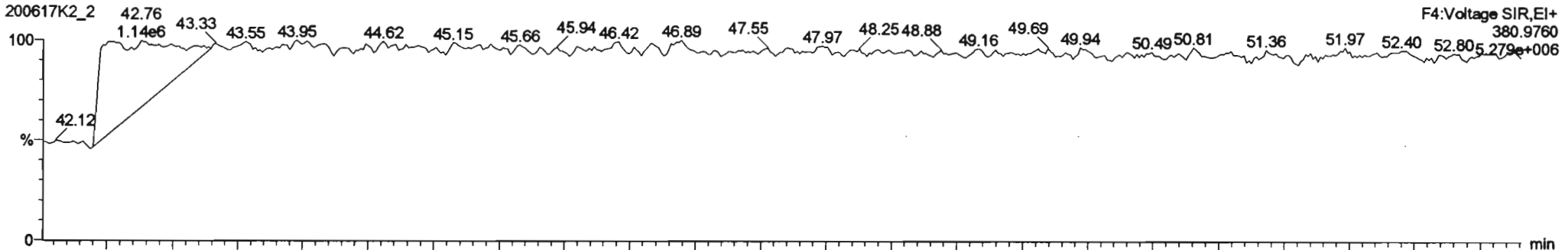


200617K2\_2



**PFK4c**

200617K2\_2



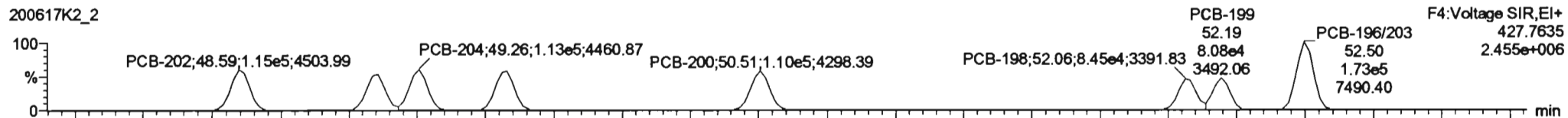
Dataset: Untitled

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

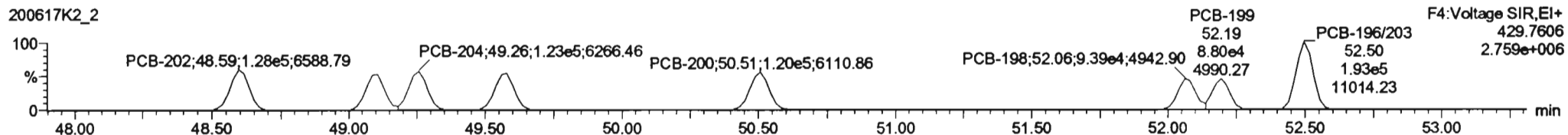
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**PCB-202**

200617K2\_2

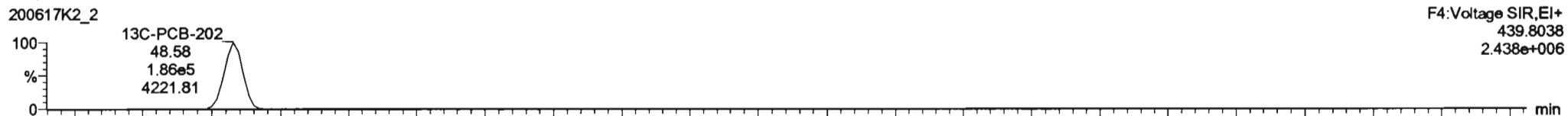


200617K2\_2

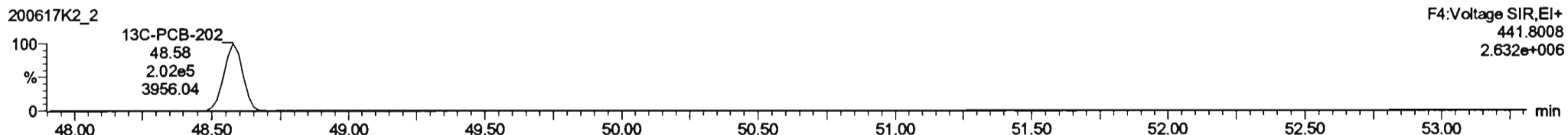


**13C-PCB-202**

200617K2\_2

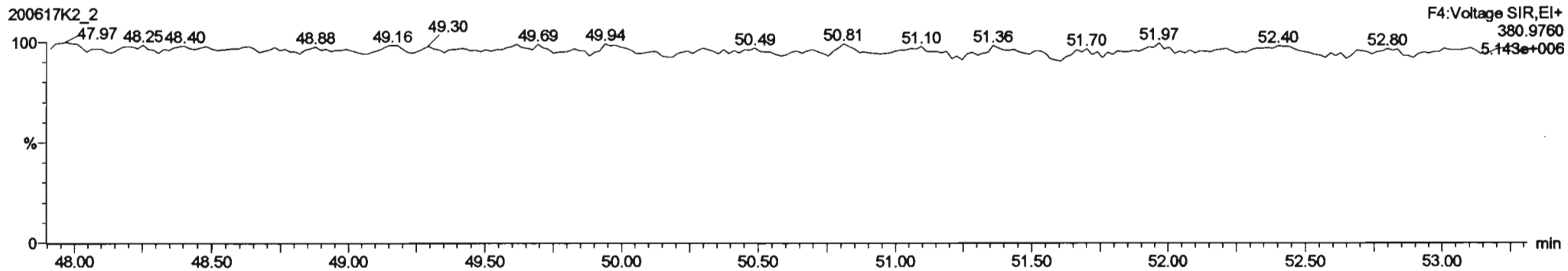


200617K2\_2



**PFK4d**

200617K2\_2



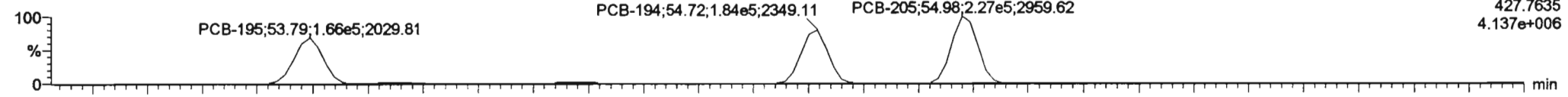
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

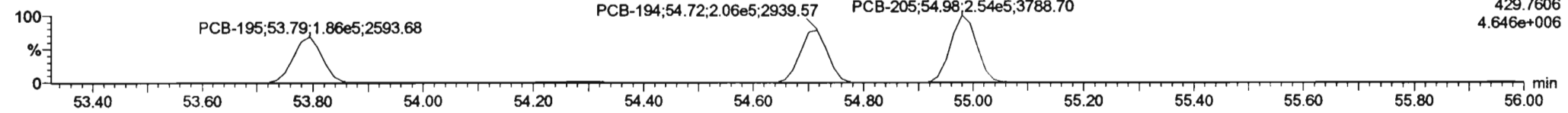
Name: 200617K2\_2, Date: 18-Jun-2020, Time: 01:34:50, ID: ST200617K2-1 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

**PCB-195**

200617K2\_2

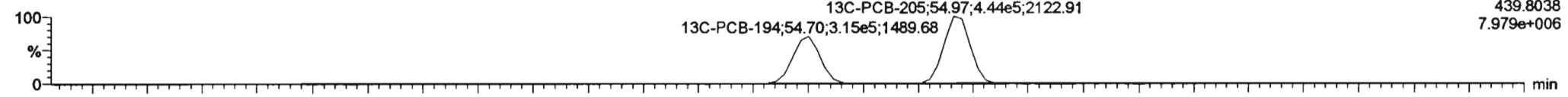


200617K2\_2

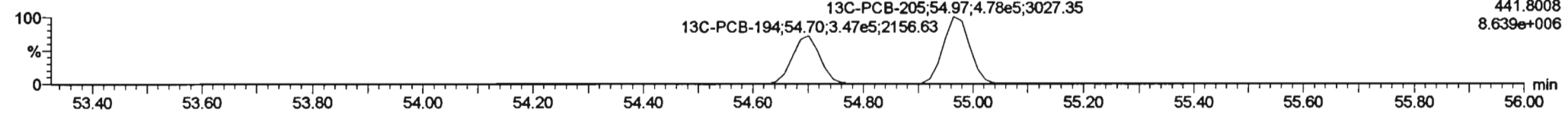


**13C-PCB-194**

200617K2\_2

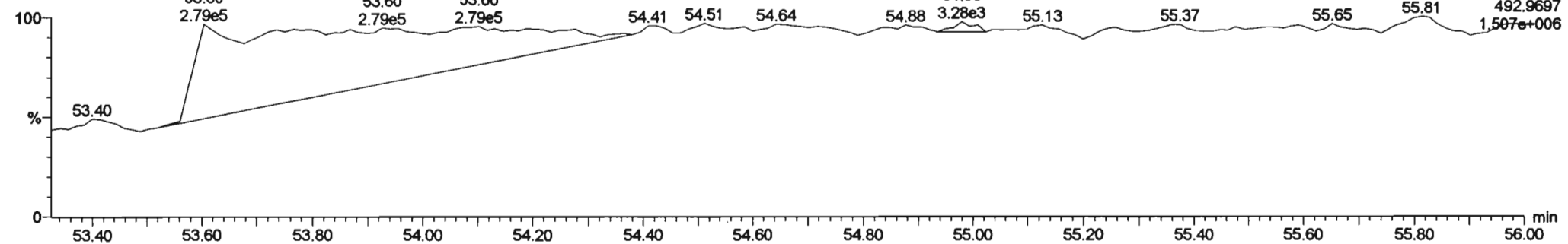


200617K2\_2



**PFK5a**

200617K2\_2



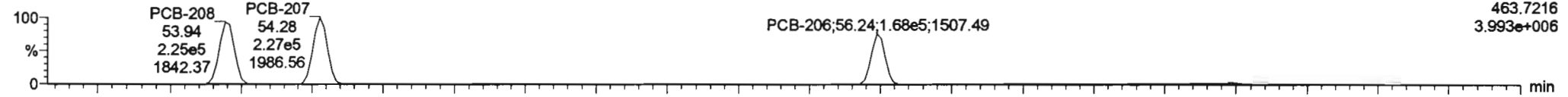
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Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

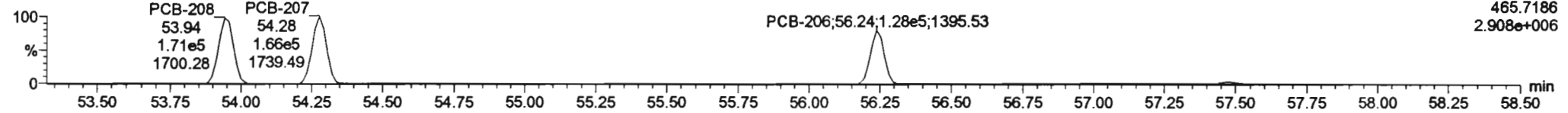
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**PCB-208**

200617K2\_2

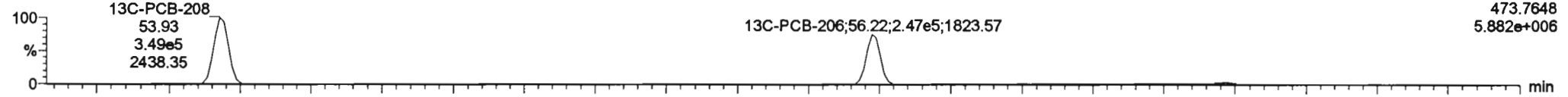


200617K2\_2

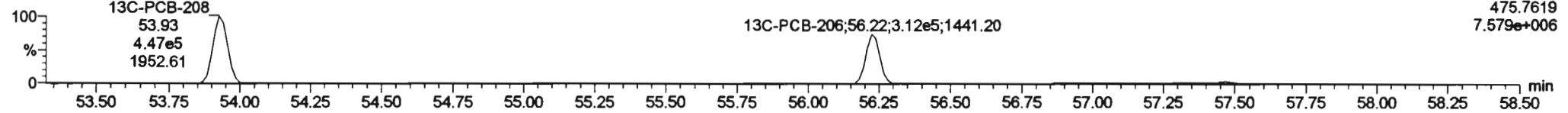


**13C-PCB-208**

200617K2\_2

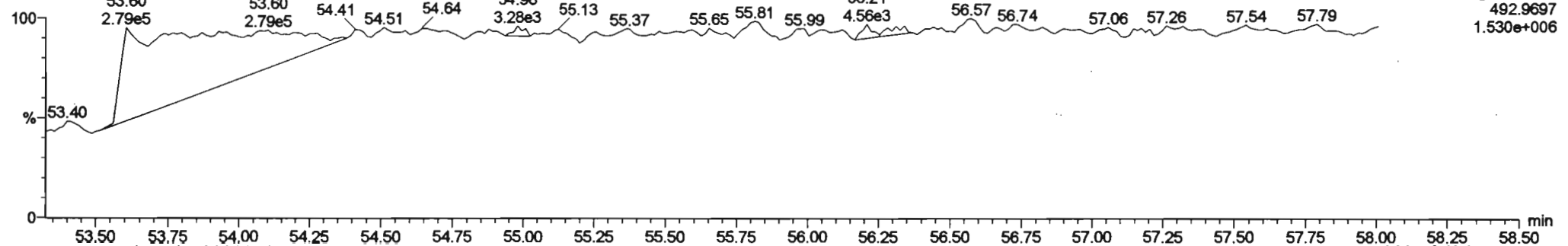


200617K2\_2



**PFK5**

200617K2\_2



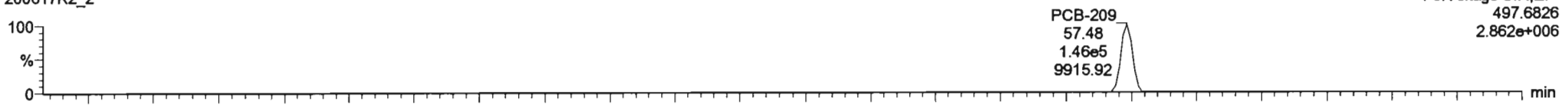
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Last Altered: Thursday, June 18, 2020 08:08:25 Pacific Daylight Time  
Printed: Thursday, June 18, 2020 08:09:51 Pacific Daylight Time

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

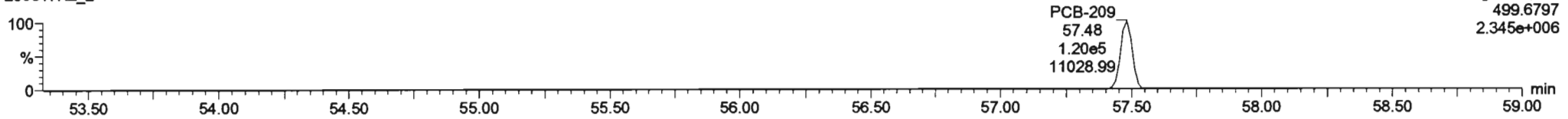
**PCB-209**

200617K2\_2



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

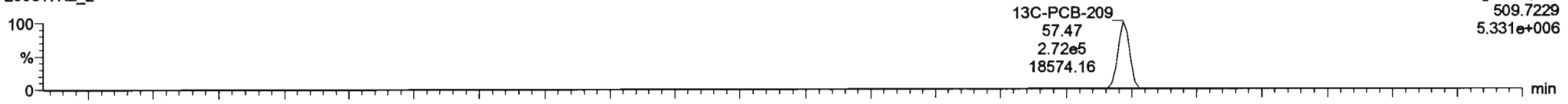
200617K2\_2



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

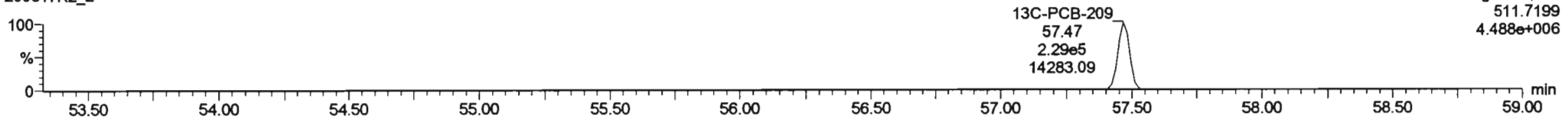
**13C-PCB-209**

200617K2\_2



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

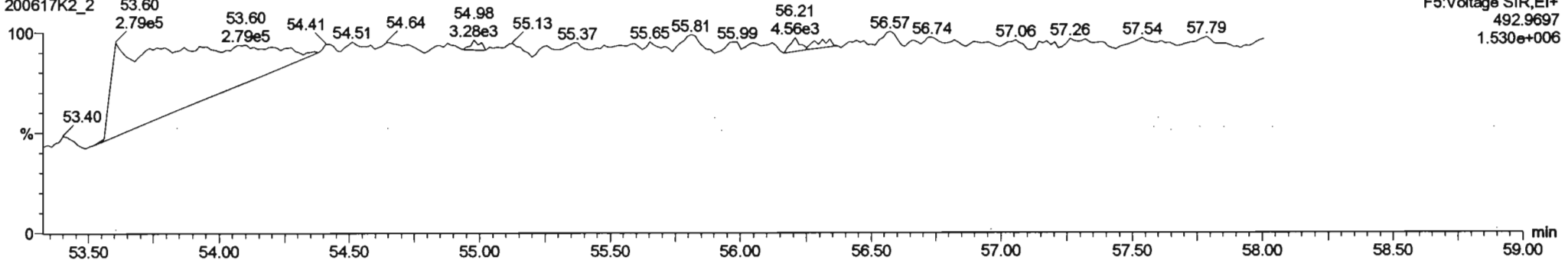
200617K2\_2



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

**PFK5b**

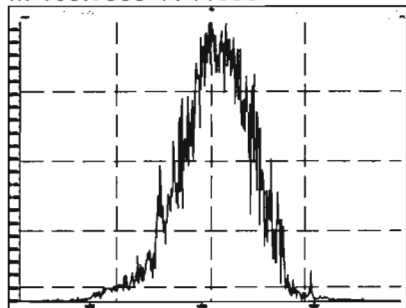
200617K2\_2



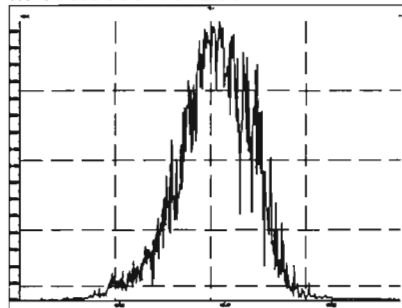
F5:Voltage SIR,EI+  
492.9697  
1.530e+006



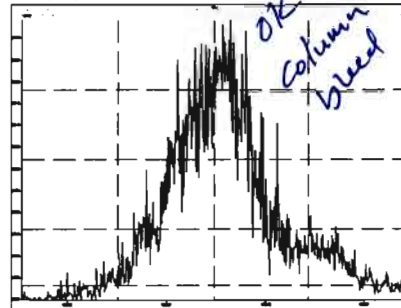
M 168.9888 R 11908



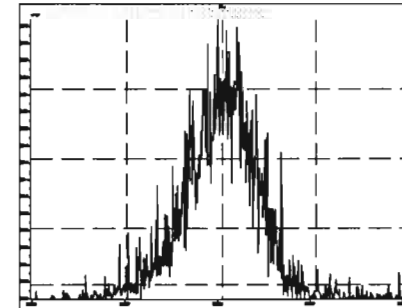
M 180.9888 R 12661



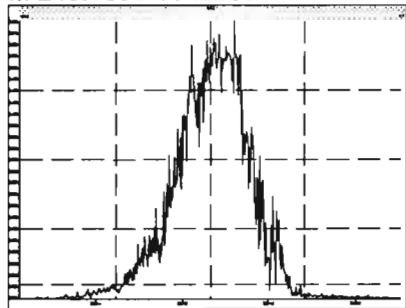
M 192.9888 R 7453



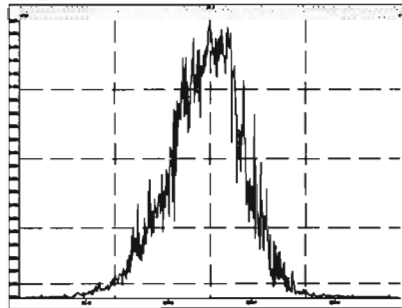
M 204.9888 R 15461



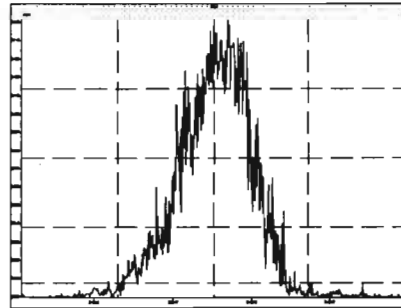
M 218.9856 R 12953



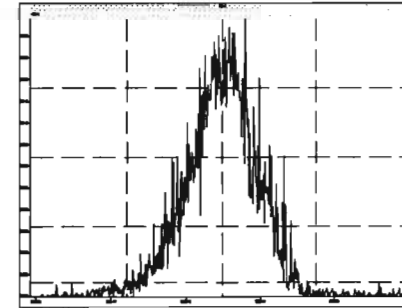
M 230.9856 R 11821



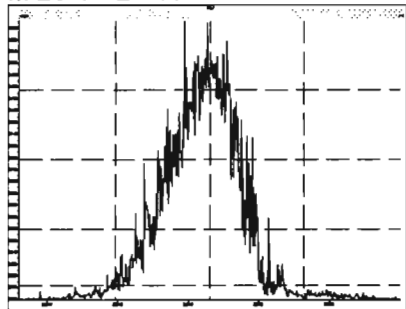
M 242.9856 R 12345



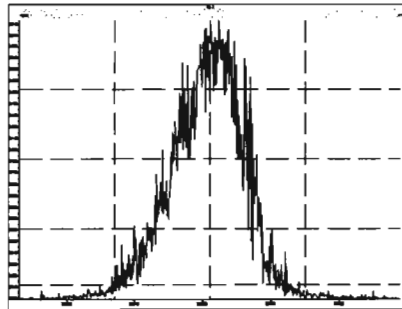
M 254.9856 R 13624



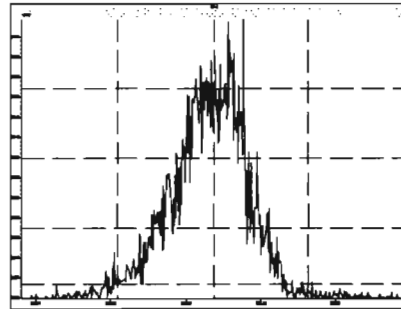
M 268.9824 R 13090



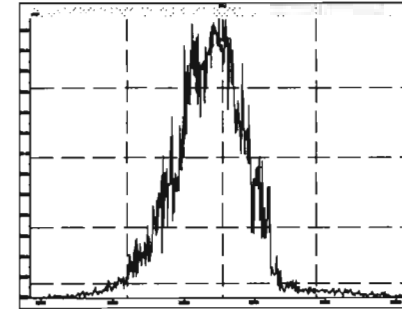
M 280.9824 R 13023



M 254.9856 R 12729

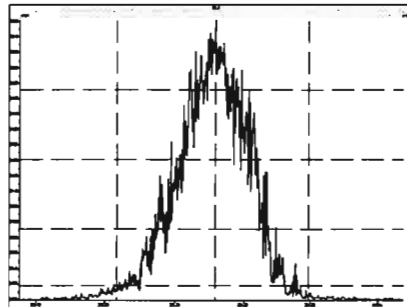


M 268.9824 R 12502

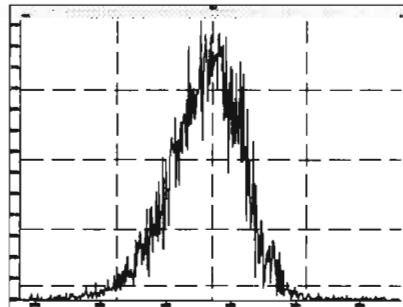


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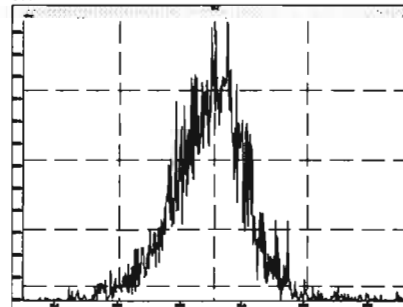
M 280.9824 R 13194



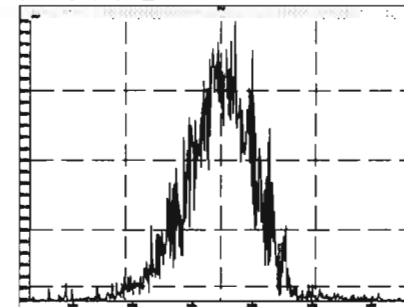
M 292.9824 R 13071



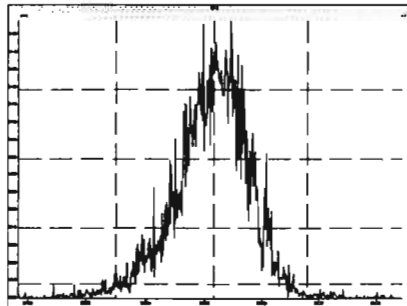
M 304.9824 R 13446



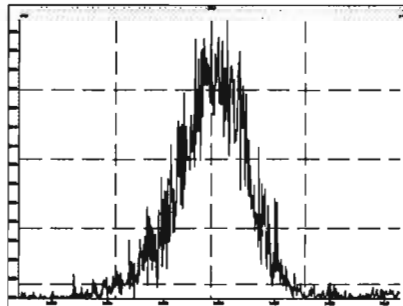
M 318.9792 R 13931



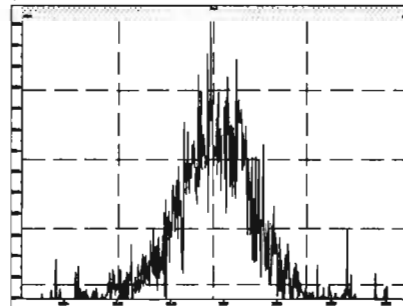
M 330.9792 R 13786



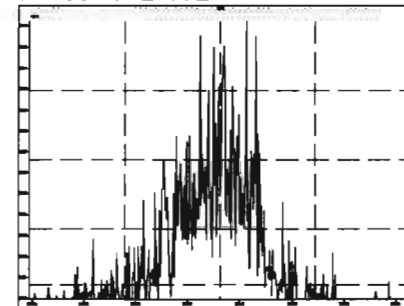
M 342.9792 R 12997



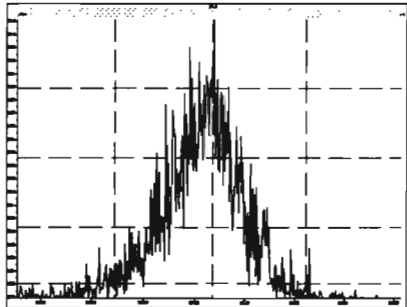
M 354.9792 R 16672



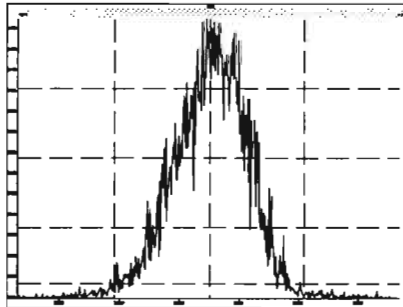
M 366.9792 R 20318



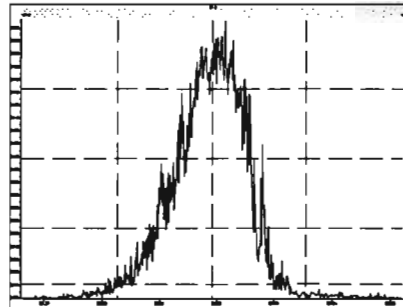
M 380.9760 R 13157



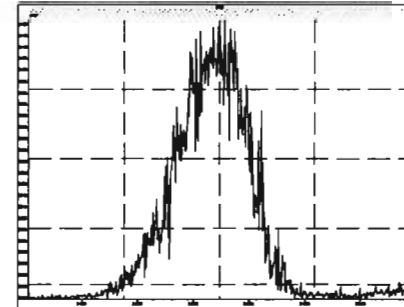
M 318.9792 R 13693



M 330.9792 R 12726

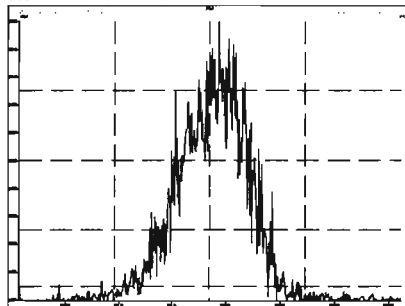


M 342.9792 R 13018

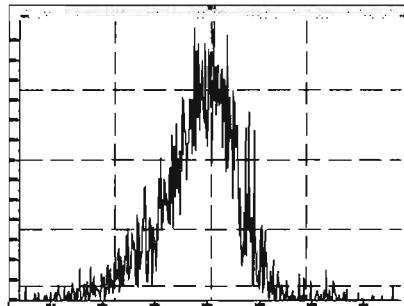


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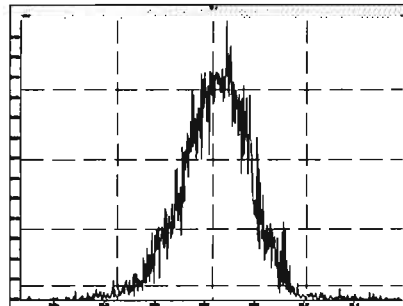
M 354.9792 R 14672



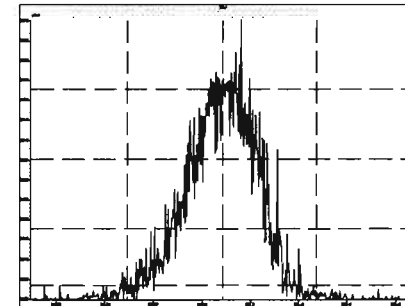
M 366.9792 R 14618



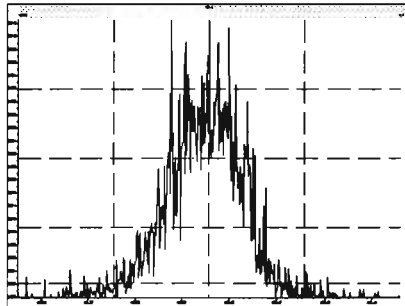
M 380.9760 R 13354



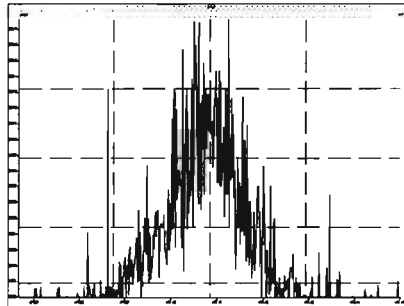
M 392.9760 R 15208



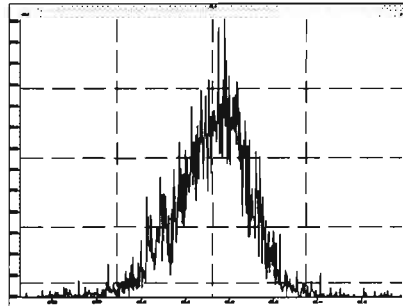
M 404.9760 R 14270



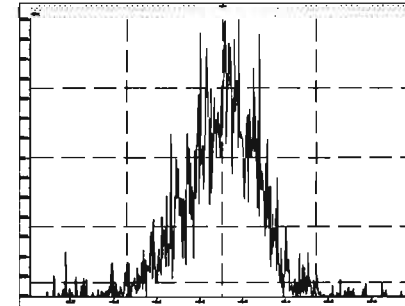
M 416.9760 R 15373



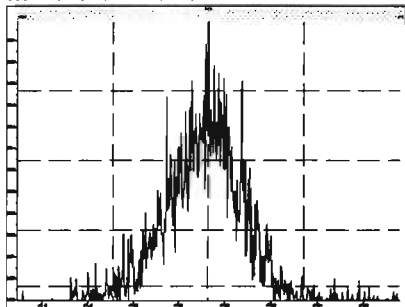
M 430.9728 R 13832



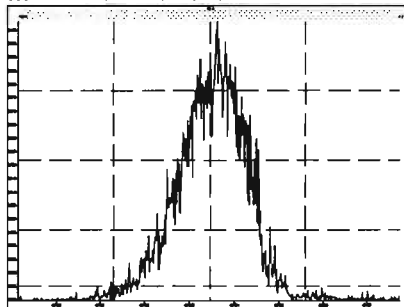
M 442.9728 R 13855



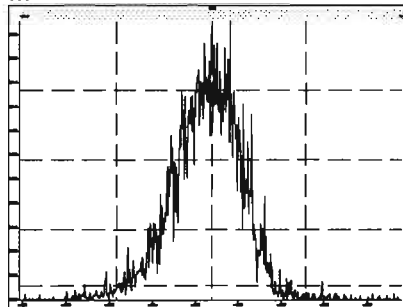
M 416.9760 R 16643



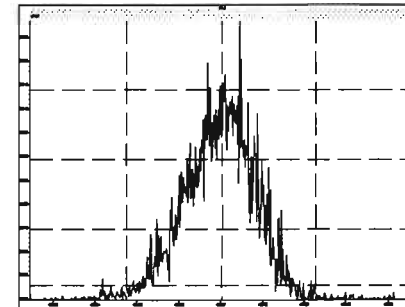
M 430.9728 R 13700



M 442.9728 R 14066

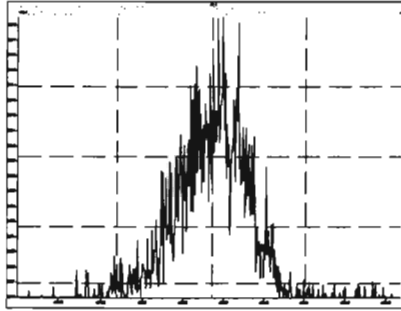


M 454.9728 R 12594

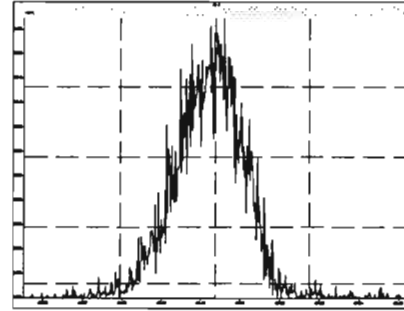


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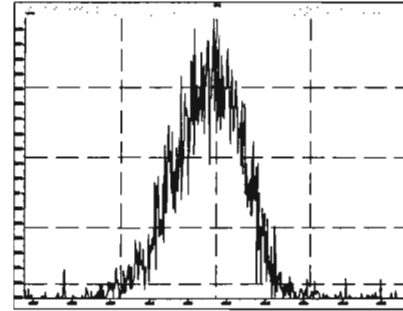
M 466.9728 R 15663



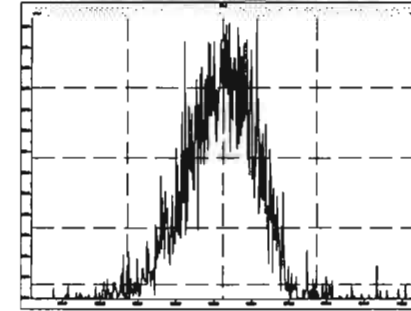
M 480.9696 R 13812



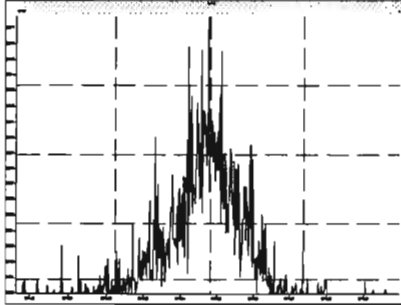
M 492.9696 R 15497



M 504.9696 R 14259



M 516.9697 R 20251



## **INITIAL CALIBRATION**

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

*hr 6/2/2020*

*GT 06/02/2020*

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

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

*Begin Rescheck: 1 mass under 10K*

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

Method: Untitled 01 Jun 2020 09:39:00

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

*-1 mass under 10K*

Compound name: PCB-1

Response Factor: 1.1683

RRF SD: 0.0700662, Relative SD: 5.99729

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

Curve type: RF

Name	Std Conc	RA	ny	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	2.96	NO	15.52	1.001	6.24e3	2.37e6	0.225	-9.8	1.05	MM
200601K1_2	1.00	3.13	NO	15.53	1.001	2.90e4	2.53e6	0.981	-1.9	1.15	bb
200601K1_3	2.50	3.13	NO	15.56	1.002	7.00e4	2.48e6	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	2.48e6	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  
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Compound name: PCB-7/9

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

Compound name: PCB-8

Response Factor: 1.02356

RRF SD: 0.0533669, Relative SD: 5.21385

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

Curve type: RF

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

Compound name: PCB-5/8

Response Factor: 0.992495

RRF SD: 0.0686245, Relative SD: 6.71283

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

Curve type: RF

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



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

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Compound name: PCB-14  
 Response Factor: 1.01729  
 RRF SD: 0.0674193, Relative SD: 6.62732  
 Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	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	2.68e4	2.70e6	0.977	-2.3	0.994	bb
200601K1_3	2.50	1.59	NO	23.60	0.951	6.61e4	2.71e6	2.40	-4.1	0.975	bd
200601K1_4	50.0	1.57	NO	23.60	0.951	1.35e6	2.56e6	51.9	3.9	1.06	bb
200601K1_5	400	1.55	NO	23.60	0.951	1.19e7	2.70e6	433	8.3	1.10	bb
200601K1_6	1000	1.57	NO	23.60	0.951	2.85e7	2.69e6	1040	4.1	1.06	bb

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

Name	Std. Conc.	RA	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	1.016	5.17e4	2.70e6	1.87	-6.7	0.958	MM

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

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Compound name: PCB-12/13

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

Compound name: PCB-15

Response Factor: 1.03482

RRF SD: 0.0605674, Relative SD: 5.85293

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

Curve type: RF

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

Compound name: PCB-19

Response Factor: 1.10626

RRF SD: 0.0710209, Relative SD: 6.41991

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

Curve type: RF

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

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

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

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

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

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

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

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Compound name: PCB-17

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X= dropped
200801K1_3	2.50	1.04	NO	25.64	0.958	3.72e4	2.03e6	2.42	-3.2	0.734	MM
200801K1_4	50.0	1.01	NO	25.65	0.959	7.73e5	1.97e6	51.6	3.3	0.783	db
200801K1_5	400	1.04	NO	25.65	0.959	6.87e6	2.13e6	424	6.0	0.804	db
200801K1_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
200801K1_1	0.500	1.04	NO	26.22	0.980	9.84e3	1.93e6	0.471	-5.8	1.02	MM
200801K1_2	2.00	1.02	NO	26.23	0.980	4.42e4	2.07e6	1.97	-1.4	1.07	bb
200801K1_3	5.00	1.02	NO	26.24	0.981	1.05e5	2.03e6	4.79	-4.2	1.04	bb
200801K1_4	100	1.02	NO	26.24	0.981	2.21e6	1.97e6	104	3.6	1.12	bb
200801K1_5	800	1.02	NO	26.24	0.981	1.95e7	2.13e6	845	5.6	1.14	bb
200801K1_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: 4.35881

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
200801K1_1	0.500	1.07	NO	26.75	1.000	8.78e3	1.93e6	0.491	-1.8	0.909	bb
200801K1_2	2.00	1.07	NO	26.76	1.000	3.61e4	2.07e6	1.88	-5.9	0.871	bb
200801K1_3	5.00	1.03	NO	26.77	1.001	9.09e4	2.03e6	4.85	-3.0	0.898	MM
200801K1_4	100	1.02	NO	26.77	1.001	1.87e6	1.97e6	103	2.8	0.950	bb
200801K1_5	800	1.02	NO	26.77	1.001	1.68e7	2.13e6	849	6.1	0.982	bb
200801K1_6	2000	1.01	NO	26.77	1.001	4.07e7	2.16e6	2040	2.0	0.944	bb

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

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

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

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

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

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

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Compound name: PCB-29

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

Compound name: PCB-26

Response Factor: 0.943921

RRF SD: 0.0501146, Relative SD: 5.3082

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

Curve type: RF

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

Compound name: PCB-25

Response Factor: 0.949875

RRF SD: 0.0334033, Relative SD: 3.5166

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

Curve type: RF

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

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

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

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

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

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

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

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Compound name: PCB-20/21/33

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



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Compound name: PCB-39

Response Factor: 0.968291

RRF SD: 0.0625968, Relative SD: 6.33405

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

Curve type: RF

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

Compound name: PCB-38

Response Factor: 1.05188

RRF SD: 0.0528736, 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

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Compound name: PCB-35

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

Compound name: PCB-37

Response Factor: 1.00907

RRF SD: 0.0813948, Relative SD: 8.0663

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

Curve type: RF

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

Compound name: PCB-54

Response Factor: 1.07963

RRF SD: 0.0563853, Relative SD: 5.22166

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

Curve type: RF

Name	Std. Conc.	RA	Hy	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	0.74	NO	27.62	1.001	4.22e3	1.88e6	0.232	-7.1	1.00	MM
200801K1_2	1.00	0.80	NO	27.64	1.001	1.98e4	1.85e6	0.990	-1.0	1.07	bb
200801K1_3	2.50	0.78	NO	27.64	1.001	4.63e4	1.80e6	2.38	-4.9	1.03	bb
200801K1_4	50.0	0.78	NO	27.64	1.001	9.78e5	1.75e6	51.6	3.2	1.11	bb
200801K1_5	400	0.79	NO	27.64	1.001	8.59e6	1.88e6	422	5.8	1.14	bb
200801K1_6	1000	0.77	NO	27.64	1.001	2.11e7	1.88e6	1040	4.2	1.13	bb

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

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

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

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

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

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

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**Compound name: PCB-51**

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

**Compound name: PCB-45**

Response Factor: 0.858411

RRF SD: 0.0476675, Relative SD: 5.55299

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

Curve type: RF

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

**Compound name: PCB-46**

Response Factor: 0.830725

RRF SD: 0.0416585, Relative SD: 5.01471

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

Curve type: RF

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

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

	Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.500	0.86	NO	31.28	1.001	7.66e3	1.37e6	0.481	-3.8	1.12	MM
2	200801K1_2	2.00	0.79	NO	31.30	1.001	3.38e4	1.50e6	1.93	-3.4	1.13	bd
3	200801K1_3	5.00	0.79	NO	31.30	1.001	7.99e4	1.44e6	4.74	-5.2	1.11	bd
4	200801K1_4	100	0.76	NO	31.30	1.001	1.67e6	1.38e6	104	3.9	1.21	bd
5	200801K1_5	800	0.77	NO	31.30	1.001	1.49e7	1.51e6	845	5.6	1.23	bd
6	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
1	200801K1_1	0.250	0.70	NO	31.41	1.005	4.29e3	1.37e6	0.218	-12.9	1.26	dd
2	200801K1_2	1.00	0.73	NO	31.41	1.005	2.10e4	1.50e6	0.971	-2.9	1.40	dd
3	200801K1_3	2.50	0.77	NO	31.41	1.005	4.90e4	1.44e6	2.35	-5.9	1.36	dd
4	200801K1_4	50.0	0.79	NO	31.41	1.005	1.06e6	1.38e6	53.5	7.0	1.54	dd
5	200801K1_5	400	0.77	NO	31.41	1.005	9.42e6	1.51e6	432	8.0	1.56	dd
6	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
1	200801K1_1	0.500	0.86	NO	31.56	1.011	6.71e3	1.37e6	0.483	-3.3	0.982	db
2	200801K1_2	2.00	0.78	NO	31.58	1.010	2.91e4	1.50e6	1.91	-4.4	0.972	dd

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Compound name: PCB-43/49

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

Compound name: PCB-47

Response Factor: 0.92191

RRF SD: 0.0589335, Relative SD: 6.39255

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

Curve type: RF

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

Compound name: PCB-48/75

Response Factor: 1.12021

RRF SD: 0.0667822, Relative SD: 5.96157

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

Curve type: RF

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

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

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

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

	Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.250	0.72	NO	32.29	1.016	4.14e3	1.44e6	0.255	2.1	1.15	db
2	200801K1_2	1.00	0.70	NO	32.29	1.016	1.80e4	1.59e6	0.999	-0.1	1.13	dd
3	200801K1_3	2.50	0.79	NO	32.29	1.016	4.05e4	1.53e6	2.35	-6.1	1.06	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	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	200801K1_1	0.250	0.88	NO	32.62	1.027	3.12e3	1.44e6	0.263	5.2	0.867	MM
2	200801K1_2	1.00	0.78	NO	32.62	1.027	1.16e4	1.59e6	0.895	-10.5	0.738	dd

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**Compound name: PCB-44**

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

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

Response Factor: 1.04973

RRF SD: 0.0493426, Relative SD: 4.70053

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

Curve type: RF

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

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

Response Factor: 1.18742

RRF SD: 0.0661253, Relative SD: 5.56883

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

Curve type: RF

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



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

Name	Std. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.75	NO	33.72	1.061	4.51e3	1.44e6	0.245	-1.9	1.25	bb
200601K1_2	1.00	0.75	NO	33.72	1.061	1.97e4	1.59e6	0.969	-3.1	1.24	bb
200601K1_3	2.50	0.77	NO	33.72	1.061	4.67e4	1.53e6	2.39	-4.4	1.22	MM
200601K1_4	50.0	0.76	NO	33.72	1.061	9.69e5	1.49e6	50.9	1.8	1.30	bd
200601K1_5	400	0.77	NO	33.72	1.061	8.63e6	1.60e6	422	5.5	1.35	bd
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
200601K1_1	0.250	0.71	NO	33.94	1.069	2.03e3	1.44e6	0.235	-6.2	0.565	bb
200601K1_2	1.00	0.74	NO	33.94	1.069	9.28e3	1.59e6	0.967	-3.3	0.562	MM
200601K1_3	2.50	0.77	NO	33.94	1.068	2.17e4	1.53e6	2.36	-5.7	0.566	db
200601K1_4	50.0	0.77	NO	33.94	1.068	4.64e5	1.49e6	51.7	3.3	0.622	db
200601K1_5	400	0.77	NO	33.94	1.068	4.12e6	1.60e6	426	7.0	0.644	db
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
200601K1_1	0.250	0.79	NO	34.30	0.969	4.64e3	1.70e6	0.234	-6.4	1.09	bb
200601K1_2	1.00	0.74	NO	34.32	0.969	2.02e4	1.84e6	0.946	-5.4	1.10	bb

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**Compound name: PCB-57**

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	0.74	NO	34.32	0.969	5.14e4	1.79e6	2.48	-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	0.78	NO	34.32	0.969	2.31e7	1.90e6	1050	4.8	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	0.88	NO	34.83	0.978	4.35e3	1.70e6	0.235	-5.8	1.02	bd
200601K1_2	1.00	0.75	NO	34.83	0.978	1.95e4	1.84e6	0.979	-2.1	1.06	bd
200601K1_3	2.50	0.78	NO	34.83	0.978	4.82e4	1.79e6	2.48	-0.9	1.07	bd
200601K1_4	50.0	0.75	NO	34.83	0.978	9.48e5	1.73e6	50.4	0.9	1.09	bd
200601K1_5	400	0.76	NO	34.83	0.978	8.40e6	1.84e6	422	5.4	1.14	bd
200601K1_6	1000	0.78	NO	34.83	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	1.28	dd

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

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

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

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

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

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

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

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

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

Response Factor: 1.16443

RRF SD: 0.0785507, Relative SD: 6.5741

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

Curve type: RF

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

**Compound name: PCB-80**

Response Factor: 1.18682

RRF SD: 0.0586291, Relative SD: 4.94003

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

Curve type: RF

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

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**Compound name: PCB-55**

Response Factor: 1.16899

RRF SD: 0.0699531, Relative SD: 5.98407

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

Curve type: RF

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

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

Response Factor: 1.01793

RRF SD: 0.0552104, Relative SD: 5.42377

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

Curve type: RF

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

**Compound name: PCB-79**

Response Factor: 1.13843

RRF SD: 0.0710526, Relative SD: 6.24129

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

Curve type: RF

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

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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	5.6	1.20	bb

Compound name: PCB-78

Response Factor: 1.13645

RRF SD: 0.0648397, Relative SD: 5.70544

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

Curve type: RF

Name	Std Conc	RA	nty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.84	NO	39.50	0.988	4.37e3	1.65e6	0.234	-6.6	1.08	MM
200601K1_2	1.00	0.72	NO	39.52	0.987	1.92e4	1.76e6	0.959	-4.1	1.09	MM
200601K1_3	2.50	0.77	NO	39.52	0.987	4.87e4	1.80e6	2.38	-4.7	1.08	MM
200601K1_4	50.0	0.77	NO	39.52	0.987	1.02e6	1.70e6	52.5	4.9	1.19	MM
200601K1_5	400	0.79	NO	39.52	0.987	8.97e6	1.88e6	420	5.1	1.19	MM
200601K1_6	1000	0.78	NO	39.52	0.987	2.33e7	1.94e6	1050	5.5	1.20	MM

Compound name: PCB-81

Response Factor: 1.04638

RRF SD: 0.0531934, Relative SD: 5.08358

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

Curve type: RF

Name	Std Conc	RA	nty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.71	NO	39.08	1.000	3.97e3	1.85e6	0.230	-7.9	0.964	MM
200601K1_2	1.00	0.76	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	0.76	NO	39.08	1.000	8.26e6	1.88e6	420	5.0	1.10	MM
200601K1_6	1000	0.75	NO	39.08	1.000	2.10e7	1.94e6	1040	3.5	1.08	dd

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**Compound name: PCB-77**

Response Factor: 1.13899

RRF SD: 0.0451791, Relative SD: 3.97357

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

Curve type: RF

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

**Compound name: PCB-104**

Response Factor: 1.12208

RRF SD: 0.11916, Relative SD: 10.6196

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

Curve type: RF

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

**Compound name: PCB-96**

Response Factor: 1.15383

RRF SD: 0.0979018, Relative SD: 8.48491

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

Curve type: RF

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

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Compound name: PCB-96

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

Compound name: PCB-103

Response Factor: 0.936494

RRF SD: 0.0702306, Relative SD: 7.49931

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

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.66	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	0.983	bb
200601K1_5	400	1.57	NO	34.71	1.069	5.18e6	1.28e6	422	5.5	1.01	bb
200601K1_6	1000	1.55	NO	34.71	1.069	1.32e7	1.28e6	1080	6.2	1.03	bb



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**Compound name: PCB-94**

Response Factor: 0.948862

RRF SD: 0.0587427, Relative SD: 6.19086

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

Curve type: RF

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

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

Response Factor: 1.20445

RRF SD: 0.061353, Relative SD: 5.09384

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

Curve type: RF

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

**Compound name: PCB-83**

Response Factor: 0.935009

RRF SD: 0.088569, Relative SD: 9.47253

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

Curve type: RF

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

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**Compound name: PCB-83**

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

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

Response Factor: 1.06482

RRF SD: 0.0420968, Relative SD: 3.95341

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

Curve type: RF

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

**Compound name: PCB-121**

Response Factor: 1.70958

RRF SD: 0.131372, Relative SD: 7.68456

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

Curve type: RF

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

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

Response Factor: 1.01774

RRF SD: 0.0662787, Relative SD: 6.51234

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

Curve type: RF

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

**Compound name: PCB-89**

Response Factor: 1.1051

RRF SD: 0.0694328, Relative SD: 6.28293

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

Curve type: RF

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

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

Response Factor: 1.12263

RRF SD: 0.0479543, Relative SD: 4.27159

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

Curve type: RF

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

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Compound name: PCB-90/101

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

Compound name: PCB-113

Response Factor: 1.51404

RRF SD: 0.104163, Relative SD: 6.87979

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

Curve type: RF

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

Compound name: PCB-99

Response Factor: 1.32101

RRF SD: 0.111661, Relative SD: 8.45271

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

Curve type: RF

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

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Compound name: PCB-119

Response Factor: 1.80526

RRF SD: 0.0967589, Relative SD: 5.35982

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

Curve type: RF

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

Compound name: PCB-108/112

Response Factor: 1.44497

RRF SD: 0.091955, Relative SD: 6.36379

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

Curve type: RF

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

Compound name: PCB-83

Response Factor: 1.83179

RRF SD: 0.0986786, Relative SD: 5.387

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

Curve type: RF

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

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

Compound name: PCB-87

Response Factor: 1.28197

RRF SD: 0.0538988, Relative SD: 4.20437

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

Curve type: RF

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

Compound name: PCB-88

Response Factor: 1.11715

RRF SD: 0.0744773, Relative SD: 6.6667

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

Curve type: RF

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

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Compound name: PCB-87/117/125

Response Factor: 1.55887

RRF SD: 0.10978, Relative SD: 7.04225

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

Curve type: RF

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

Compound name: PCB-111/115

Response Factor: 1.91042

RRF SD: 0.105925, Relative SD: 5.54456

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

Curve type: RF

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

Compound name: PCB-85/116

Response Factor: 1.41084

RRF SD: 0.0937905, Relative SD: 6.64783

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

Curve type: RF

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

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Compound name: PCB-85/116

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

Compound name: PCB-120

Response Factor: 2.00504

RRF SD: 0.113682, Relative SD: 5.66984

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

Curve type: RF

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

Compound name: PCB-110

Response Factor: 1.74266

RRF SD: 0.0926364, Relative SD: 5.3158

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

Curve type: RF

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



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Compound name: PCB-82

Response Factor: 0.781273

RRF SD: 0.0477185, Relative SD: 6.10778

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

Curve type: RF

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

Compound name: PCB-124

Response Factor: 1.39686

RRF SD: 0.11391, Relative SD: 8.15474

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

Curve type: RF

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

Compound name: PCB-107/109

Response Factor: 1.3418

RRF SD: 0.112451, Relative SD: 8.38064

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

Curve type: RF

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

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Compound name: PCB-107/109

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

Compound name: PCB-123

Response Factor: 1.19789

RRF SD: 0.0778787, Relative SD: 6.48483

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

Curve type: RF

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

Compound name: PCB-106/118

Response Factor: 1.21941

RRF SD: 0.102837, Relative SD: 8.43331

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

Curve type: RF

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

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

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

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

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

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

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

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Compound name: PCB-105

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

Compound name: PCB-127

Response Factor: 1.05904

RRF SD: 0.0891593, Relative SD: 6.53037

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

Curve type: RF

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

Compound name: PCB-128

Response Factor: 1.17214

RRF SD: 0.0891348, Relative SD: 7.60443

Response type: Internal Std ( Ref 194 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200601K1_1	0.250	1.67	NO	45.52	1.000	3.40e3	1.33e6	0.218	-12.8	1.02	bb
200601K1_2	1.00	1.48	NO	45.52	1.000	1.71e4	1.49e6	0.982	-1.8	1.15	MM
200601K1_3	2.50	1.61	NO	45.52	1.000	4.35e4	1.54e6	2.42	-3.3	1.13	MM
200601K1_4	50.0	1.54	NO	45.54	1.000	8.88e5	1.45e6	52.1	4.3	1.22	db
200601K1_5	400	1.56	NO	45.54	1.001	7.83e6	1.51e6	431	7.7	1.26	db
200601K1_6	1000	1.56	NO	45.54	1.000	1.98e7	1.80e6	1060	5.9	1.24	db

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Compound name: PCB-155

Response Factor: 1.04363

RRF SD: 0.0461718, Relative SD: 4.42414

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rt	RT	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	0.968	-3.4	1.15	bb

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Compound name: PCB-152

Name	Std Conc	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200801K1_3	2.50	1.28	NO	38.80	1.049	2.02e4	7.36e5	2.32	-7.3	1.10	bb
200801K1_4	50.0	1.30	NO	38.80	1.049	4.38e5	7.19e5	51.3	2.6	1.22	bb
200801K1_5	400	1.31	NO	38.80	1.049	4.12e6	7.88e5	441	10.4	1.31	bb
200801K1_6	1000	1.30	NO	38.82	1.049	1.03e7	7.92e5	1090	9.4	1.30	bb

Compound name: PCB-145

Response Factor: 1.18848

RRF SD: 0.0869925, Relative SD: 7.31963

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
200801K1_1	0.250	1.30	NO	39.27	1.062	1.80e3	6.57e5	0.231	-7.7	1.10	MM
200801K1_2	1.00	1.31	NO	39.27	1.062	8.51e3	7.35e5	0.974	-2.6	1.16	bb
200801K1_3	2.50	1.25	NO	39.27	1.061	2.04e4	7.36e5	2.34	-6.6	1.11	bb
200801K1_4	50.0	1.31	NO	39.27	1.061	4.24e5	7.19e5	49.6	-0.9	1.18	bb
200801K1_5	400	1.28	NO	39.27	1.061	4.10e6	7.88e5	438	9.5	1.30	bb
200801K1_6	1000	1.29	NO	39.27	1.061	1.02e7	7.92e5	1080	6.2	1.29	bb

Compound name: PCB-136

Response Factor: 1.02088

RRF SD: 0.0891715, Relative SD: 6.77588

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	1080	6.5	1.09	bd

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Compound name: PCB-148  
 Response Factor: 0.841589  
 RRF SD: 0.0633021, Relative SD: 7.52173  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Int. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.05	NO	39.71	1.074	1.36e3	6.57e5	0.246	-1.4	0.830	MM
200601K1_2	1.00	1.26	NO	39.71	1.074	5.73e3	7.35e5	0.926	-7.4	0.779	db
200601K1_3	2.50	1.29	NO	39.71	1.073	1.42e4	7.36e5	2.30	-8.0	0.775	db
200601K1_4	50.0	1.32	NO	39.71	1.073	2.99e5	7.19e5	49.4	-1.1	0.832	db
200601K1_5	400	1.31	NO	39.71	1.073	2.87e6	7.88e5	434	8.4	0.913	db
200601K1_6	1000	1.31	NO	39.71	1.073	7.30e6	7.92e5	1090	9.5	0.921	db

Compound name: PCB-154  
 Response Factor: 0.91897  
 RRF SD: 0.0435601, Relative SD: 4.7401  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Int. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.39	NO	40.22	1.088	1.56e3	6.57e5	0.258	3.3	0.949	MM
200601K1_2	1.00	1.41	NO	40.22	1.088	6.57e3	7.35e5	0.973	-2.7	0.894	MM
200601K1_3	2.50	1.35	NO	40.22	1.087	1.57e4	7.36e5	2.32	-7.1	0.853	bb
200601K1_4	50.0	1.33	NO	40.22	1.087	3.23e5	7.19e5	48.9	-2.2	0.899	bb
200601K1_5	400	1.30	NO	40.22	1.087	3.01e6	7.88e5	416	4.0	0.958	bb
200601K1_6	1000	1.30	NO	40.22	1.087	7.62e6	7.92e5	1050	4.7	0.963	bb

Compound name: PCB-151  
 Response Factor: 0.786525  
 RRF SD: 0.034223, Relative SD: 4.35117  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Int. Conc.	RA	nty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.07	NO	40.88	1.106	1.19e3	6.57e5	0.231	-7.8	0.725	MM
200601K1_2	1.00	1.15	NO	40.88	1.106	5.79e3	7.35e5	1.00	0.1	0.787	bb

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Compound name: PCB-151

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.14	NO	40.88	1.105	1.45e4	7.36e5	2.50	0.0	0.787	bb
200601K1_4	50.0	1.33	NO	40.88	1.105	2.82e5	7.19e5	49.9	-0.2	0.785	bd
200601K1_5	400	1.31	NO	40.88	1.105	2.54e6	7.88e5	410	2.8	0.807	bb
200601K1_6	1000	1.28	NO	40.88	1.105	6.56e6	7.92e5	1050	5.2	0.828	bd

Compound name: PCB-135

Response Factor: 0.922274

RRF SD: 0.05017, Relative SD: 5.43982

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.35	NO	41.11	1.112	1.63e3	6.57e5	0.268	7.3	0.990	MM
200601K1_2	1.00	1.27	NO	41.11	1.112	6.81e3	7.35e5	1.00	0.4	0.926	MM
200601K1_3	2.50	1.33	NO	41.11	1.111	1.58e4	7.36e5	2.29	-8.2	0.847	MM
200601K1_4	50.0	1.28	NO	41.11	1.111	3.19e5	7.19e5	48.1	-3.7	0.888	dd
200601K1_5	400	1.27	NO	41.11	1.111	2.93e6	7.88e5	403	0.7	0.929	bd
200601K1_6	1000	1.28	NO	41.11	1.111	7.56e6	7.92e5	1040	3.5	0.955	dd

Compound name: PCB-144

Response Factor: 0.788937

RRF SD: 0.0931784, Relative SD: 11.8106

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.07	NO	41.22	1.115	1.14e3	6.57e5	0.219	-12.4	0.691	dd
200601K1_2	1.00	1.05	NO	41.20	1.114	5.31e3	7.35e5	0.915	-8.5	0.722	MM
200601K1_3	2.50	1.25	NO	41.22	1.114	1.33e4	7.36e5	2.29	-8.5	0.722	MM
200601K1_4	50.0	1.30	NO	41.22	1.114	2.87e5	7.19e5	50.6	1.3	0.799	dd
200601K1_5	400	1.28	NO	41.22	1.114	2.82e6	7.88e5	454	13.4	0.895	dd
200601K1_6	1000	1.28	NO	41.22	1.114	7.17e6	7.92e5	1150	14.7	0.905	dd



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Compound name: PCB-147  
 Response Factor: 0.834498  
 RRF SD: 0.0629802, Relative SD: 7.54708  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	nty	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	nty	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	nty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.38	NO	41.80	1.130	1.28e3	6.57e5	0.245	-1.8	0.779	MM
200801K1_2	1.00	1.30	NO	41.81	1.131	5.44e3	7.35e5	0.932	-6.8	0.740	MM

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Compound name: PCB-140

Name	Std Conc	RA	nt	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	nt	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	nt	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

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Compound name: PCB-142  
 Response Factor: 0.754261  
 RRF SD: 0.0382275, Relative SD: 5.06821  
 Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Int. Conc.	RA	Qty	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	Qty	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	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.21	NO	43.19	0.996	5.86e3	1.21e6	0.474	-5.3	0.970	dd
200601K1_2	2.00	1.19	NO	43.21	0.997	2.45e4	1.26e6	1.89	-5.3	0.970	bd

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**Compound name: PCB-132/161**

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	5.00	1.28	NO	43.19	0.996	6.25e4	1.30e6	4.69	-6.2	0.961	dd
200601K1_4	100	1.24	NO	43.21	0.996	1.31e6	1.25e6	103	2.6	1.05	dd
200601K1_5	800	1.24	NO	43.21	0.996	1.19e7	1.35e6	861	7.7	1.10	dd
200601K1_6	2000	1.24	NO	43.21	0.996	3.02e7	1.38e6	2130	6.5	1.09	dd

**Compound name: PCB-153**

Response Factor: 1.07057

RRF SD: 0.0679682, Relative SD: 6.34876

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.42	NO	43.38	1.000	2.99e3	1.21e6	0.232	-7.4	0.992	MM
200601K1_2	1.00	1.26	NO	43.40	1.001	1.30e4	1.28e6	0.960	-4.0	1.03	dd
200601K1_3	2.50	1.18	NO	43.40	1.001	3.29e4	1.30e6	2.36	-5.5	1.01	dd
200601K1_4	50.0	1.25	NO	43.40	1.000	6.97e5	1.25e6	52.0	4.0	1.11	dd
200601K1_5	400	1.24	NO	43.40	1.000	6.17e6	1.35e6	426	6.9	1.14	dd
200601K1_6	1000	1.24	NO	43.40	1.000	1.57e7	1.38e6	1060	6.0	1.14	dd

**Compound name: PCB-168**

Response Factor: 1.07725

RRF SD: 0.0814218, Relative SD: 7.55832

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.09	NO	43.61	1.006	2.93e3	1.21e6	0.225	-10.1	0.969	db
200601K1_2	1.00	1.30	NO	43.61	1.006	1.29e4	1.26e6	0.946	-5.4	1.02	db
200601K1_3	2.50	1.23	NO	43.61	1.006	3.39e4	1.30e6	2.42	-3.3	1.04	db
200601K1_4	50.0	1.24	NO	43.61	1.005	6.89e5	1.25e6	51.1	2.1	1.10	db
200601K1_5	400	1.24	NO	43.63	1.006	6.32e6	1.35e6	435	8.7	1.17	db
200601K1_6	1000	1.23	NO	43.63	1.006	1.81e7	1.38e6	1060	8.0	1.16	db

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Compound name: PCB-141  
 Response Factor: 1.02661  
 RRF SD: 0.0643735, Relative SD: 6.27049  
 Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.34	NO	44.16	1.001	2.32e3	9.74e5	0.232	-7.2	0.953	MM
200601K1_2	1.00	1.28	NO	44.16	1.000	1.02e4	1.06e6	0.941	-5.9	0.966	MM
200601K1_3	2.50	1.23	NO	44.16	1.000	2.72e4	1.10e6	2.41	-3.6	0.989	bd
200601K1_4	50.0	1.24	NO	44.18	1.000	5.51e5	1.03e6	51.9	3.8	1.07	bd
200601K1_5	400	1.24	NO	44.18	1.000	4.91e6	1.12e6	426	6.6	1.09	bd
200601K1_6	1000	1.24	NO	44.16	1.000	1.23e7	1.12e6	1060	6.3	1.09	bd

Compound name: PCB-137  
 Response Factor: 1.11036  
 RRF SD: 0.0861984, Relative SD: 7.76308  
 Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.39	NO	44.54	1.010	2.39e3	9.74e5	0.221	-11.5	0.983	MM
200601K1_2	1.00	1.34	NO	44.56	1.009	1.09e4	1.06e6	0.931	-6.9	1.03	MM
200601K1_3	2.50	1.19	NO	44.56	1.009	3.06e4	1.10e6	2.51	0.3	1.11	MM
200601K1_4	50.0	1.24	NO	44.56	1.009	5.93e5	1.03e6	51.6	3.2	1.15	bd
200601K1_5	400	1.22	NO	44.56	1.009	5.38e6	1.12e6	432	8.0	1.20	bd
200601K1_6	1000	1.22	NO	44.56	1.009	1.34e7	1.12e6	1070	6.9	1.19	bd

Compound name: PCB-130  
 Response Factor: 0.885312  
 RRF SD: 0.0756292, Relative SD: 8.54266  
 Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.41	NO	44.65	1.012	1.86e3	9.74e5	0.216	-13.6	0.765	MM
200601K1_2	1.00	1.09	NO	44.65	1.012	9.08e3	1.06e6	0.969	-3.1	0.858	MM

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Compound name: PCB-130

Name	Std Conc	RA	inj	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.29	NO	44.65	1.012	2.34e4	1.10e6	2.41	-3.7	0.852	MM
200601K1_4	50.0	1.24	NO	44.67	1.012	4.75e5	1.03e6	51.9	3.8	0.919	MM
200601K1_5	400	1.23	NO	44.67	1.012	4.37e6	1.12e6	440	10.0	0.974	MM
200601K1_6	1000	1.23	NO	44.67	1.012	1.06e7	1.12e6	1070	6.6	0.944	MM

Compound name: PCB-138/163/164

Response Factor: 1.28353

RRF SD: 0.106549, Relative SD: 8.30127

Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	inj	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.750	1.29	NO	45.05	1.001	8.62e3	1.00e6	0.671	-10.6	1.15	MM
200601K1_2	3.00	1.18	NO	45.05	1.001	4.01e4	1.11e6	2.82	-5.9	1.21	bd
200601K1_3	7.50	1.26	NO	45.05	1.001	1.06e5	1.16e6	7.12	-5.1	1.22	bd
200601K1_4	150	1.23	NO	45.05	1.001	2.17e6	1.07e6	157	4.8	1.35	bd
200601K1_5	1200	1.23	NO	45.05	1.001	2.01e7	1.18e6	1330	10.5	1.42	bd
200601K1_6	3000	1.23	NO	45.05	1.001	5.01e7	1.22e6	3190	6.3	1.36	bd

Compound name: PCB-158/160

Response Factor: 1.23999

RRF SD: 0.0786271, Relative SD: 6.34093

Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	inj	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.06	NO	45.28	1.006	5.95e3	1.00e6	0.479	-4.2	1.19	MM
200601K1_2	2.00	1.20	NO	45.30	1.007	2.56e4	1.11e6	1.87	-6.7	1.16	dd
200601K1_3	5.00	1.23	NO	45.30	1.006	6.75e4	1.16e6	4.70	-5.9	1.17	dd
200601K1_4	100	1.22	NO	45.30	1.006	1.38e6	1.07e6	104	3.6	1.26	dd
200601K1_5	800	1.22	NO	45.30	1.006	1.26e7	1.18e6	864	8.0	1.34	dd
200601K1_6	2000	1.24	NO	45.30	1.006	3.19e7	1.22e6	2100	5.2	1.30	dd

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Compound name: PCB-129  
 Response Factor: 0.866678  
 RRF SD: 0.0575829, Relative SD: 6.64409  
 Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.30	NO	45.54	1.012	2.07e3	1.00e6	0.239	-4.5	0.827	MM
200601K1_2	1.00	1.30	NO	45.54	1.012	9.27e3	1.11e6	0.968	-3.4	0.837	db
200601K1_3	2.50	1.28	NO	45.54	1.012	2.27e4	1.16e6	2.27	-9.2	0.787	db
200601K1_4	50.0	1.23	NO	45.54	1.012	4.97e5	1.07e6	53.4	6.8	0.926	db
200601K1_5	400	1.22	NO	45.54	1.012	4.35e6	1.18e6	426	6.6	0.923	db
200601K1_6	1000	1.22	NO	45.54	1.012	1.10e7	1.22e6	1040	3.8	0.900	db

Compound name: PCB-166  
 Response Factor: 1.14308  
 RRF SD: 0.0513388, Relative SD: 4.49125  
 Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.21	NO	46.02	0.993	3.46e3	1.22e6	0.249	-0.5	1.14	db
200601K1_2	1.00	1.17	NO	46.00	0.993	1.44e4	1.34e6	0.943	-5.7	1.08	MM
200601K1_3	2.50	1.25	NO	46.02	0.993	3.77e4	1.39e6	2.38	-4.7	1.09	MM
200601K1_4	50.0	1.24	NO	46.02	0.993	7.77e5	1.33e6	51.2	2.3	1.17	MM
200601K1_5	400	1.24	NO	46.02	0.993	6.88e6	1.42e6	423	5.8	1.21	MM
200601K1_6	1000	1.22	NO	46.02	0.993	1.77e7	1.51e6	1030	2.7	1.17	MM

Compound name: PCB-159  
 Response Factor: 1.21657  
 RRF SD: 0.0622303, Relative SD: 5.11521  
 Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.24	NO	46.34	1.000	3.62e3	1.22e6	0.245	-2.2	1.19	MM
200601K1_2	1.00	1.24	NO	46.34	1.000	1.58e4	1.34e6	0.961	-3.9	1.17	MM

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Compound name: PCB-150

Name	Std Conc	RA	rf	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.29	NO	46.36	1.001	3.92e4	1.38e6	2.33	-6.7	1.13	MM
200601K1_4	50.0	1.22	NO	46.36	1.000	8.24e5	1.33e6	51.0	2.0	1.24	MM
200601K1_5	400	1.24	NO	46.36	1.000	7.37e6	1.42e6	428	6.6	1.30	MM
200601K1_6	1000	1.23	NO	46.36	1.000	1.91e7	1.51e6	1040	4.3	1.27	MM

Compound name: PCB-128/162

Response Factor: 0.907497

RRF SD: 0.0511425, Relative SD: 5.63556

Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	rf	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.500	1.13	NO	46.64	1.007	5.34e3	1.22e6	0.484	-3.3	0.676	MM
200601K1_2	2.00	1.20	NO	46.64	1.007	2.26e4	1.34e6	1.86	-6.9	0.845	MM
200601K1_3	5.00	1.25	NO	46.64	1.007	5.99e4	1.38e6	4.77	-4.8	0.866	MM
200601K1_4	100	1.24	NO	46.64	1.007	1.25e6	1.33e6	103	3.3	0.938	MM
200601K1_5	800	1.24	NO	46.64	1.007	1.10e7	1.42e6	856	7.0	0.971	MM
200601K1_6	2000	1.21	NO	46.66	1.007	2.85e7	1.51e6	2090	4.4	0.947	MM

Compound name: PCB-167

Response Factor: 1.10858

RRF SD: 0.0571768, Relative SD: 5.15766

Response type: Internal Std ( Ref 200 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	rf	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.29	NO	47.06	1.001	3.31e3	1.22e6	0.248	-1.8	1.09	MM
200601K1_2	1.00	1.39	NO	47.06	1.001	1.36e4	1.33e6	0.938	-6.2	1.04	MM
200601K1_3	2.50	1.19	NO	47.06	1.000	3.66e4	1.39e6	2.38	-4.7	1.06	bb
200601K1_4	50.0	1.24	NO	47.06	1.000	7.62e5	1.38e6	50.6	1.2	1.12	bb
200601K1_5	400	1.25	NO	47.06	1.000	6.68e6	1.41e6	428	7.1	1.19	bb
200601K1_6	1000	1.23	NO	47.06	1.000	1.72e7	1.48e6	1040	4.3	1.16	bb



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Compound name: PCB-156  
 Response Factor: 1.12589  
 RRF SD: 0.0789703, Relative SD: 7.01404  
 Response type: Internal Std ( Ref 201 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.42	NO	48.38	1.000	3.07e3	1.18e6	0.231	-7.7	1.04	MM
200601K1_2	1.00	1.18	NO	48.38	1.000	1.32e4	1.26e6	0.931	-6.9	1.05	MM
200601K1_3	2.50	1.20	NO	48.38	1.000	3.67e4	1.35e6	2.42	-3.4	1.09	bb
200601K1_4	50.0	1.25	NO	48.38	1.000	7.58e5	1.31e6	51.2	2.5	1.15	bd
200601K1_5	400	1.22	NO	48.38	1.000	6.73e6	1.37e6	435	8.9	1.23	bd
200601K1_6	1000	1.23	NO	48.38	1.000	1.76e7	1.47e6	1070	6.6	1.20	bd

Compound name: PCB-157  
 Response Factor: 1.03828  
 RRF SD: 0.0627401, Relative SD: 6.04267  
 Response type: Internal Std ( Ref 202 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.31	NO	48.65	1.000	2.89e3	1.19e6	0.234	-6.2	0.974	MM
200601K1_2	1.00	1.16	NO	48.67	1.001	1.21e4	1.24e6	0.943	-5.7	0.980	dd
200601K1_3	2.50	1.20	NO	48.67	1.000	3.40e4	1.36e6	2.41	-3.7	1.00	bd
200601K1_4	50.0	1.23	NO	48.67	1.000	6.97e5	1.31e6	51.1	2.2	1.06	dd
200601K1_5	400	1.23	NO	48.67	1.000	6.16e6	1.37e6	432	8.0	1.12	dd
200601K1_6	1000	1.23	NO	48.67	1.000	1.82e7	1.48e6	1050	5.4	1.09	dd

Compound name: PCB-169  
 Response Factor: 1.15806  
 RRF SD: 0.0659172, Relative SD: 5.69202  
 Response type: Internal Std ( Ref 203 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.16	NO	50.92	1.000	3.08e3	1.12e6	0.238	-5.0	1.10	bb
200601K1_2	1.00	1.28	NO	50.92	1.000	1.29e4	1.19e6	0.940	-6.0	1.09	MM

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Compound name: PCB-169

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.27	NO	50.92	1.000	3.70e4	1.33e6	2.40	-4.1	1.11	bb
200601K1_4	50.0	1.23	NO	50.92	1.000	7.28e5	1.22e6	51.5	2.9	1.19	bb
200601K1_5	400	1.23	NO	50.92	1.000	6.46e6	1.30e6	429	7.2	1.24	bb
200601K1_6	1000	1.24	NO	50.94	1.000	1.73e7	1.42e6	1050	5.0	1.22	bb

Compound name: PCB-188

Response Factor: 1.28967

RRF SD: 0.0641497, Relative SD: 4.97412

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.91	NO	43.01	1.000	2.94e3	9.28e5	0.248	-1.7	1.27	MM
200601K1_2	1.00	1.01	NO	43.01	1.000	1.20e4	1.02e6	0.918	-8.4	1.16	MM
200601K1_3	2.50	0.97	NO	43.02	1.001	3.28e4	1.03e6	2.48	-1.6	1.27	bb
200601K1_4	50.0	1.05	NO	43.02	1.000	6.73e5	1.01e6	51.5	3.0	1.33	bb
200601K1_5	400	1.05	NO	43.02	1.000	6.15e6	1.13e6	420	5.1	1.35	bb
200601K1_6	1000	1.03	NO	43.02	1.000	1.58e7	1.18e6	1040	3.7	1.34	bb

Compound name: PCB-184

Response Factor: 1.23185

RRF SD: 0.0863042, Relative SD: 7.00722

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.16	NO	43.48	1.011	2.47e3	9.28e5	0.216	-13.6	1.06	MM
200601K1_2	1.00	0.98	NO	43.48	1.011	1.28e4	1.02e6	1.01	0.8	1.24	bb
200601K1_3	2.50	1.09	NO	43.48	1.012	3.18e4	1.03e6	2.50	-0.1	1.23	bb
200601K1_4	50.0	1.04	NO	43.48	1.011	6.50e5	1.01e6	52.1	4.1	1.28	bb
200601K1_5	400	1.05	NO	43.48	1.011	5.91e6	1.13e6	423	5.7	1.30	bb
200601K1_6	1000	1.03	NO	43.48	1.011	1.50e7	1.18e6	1030	3.1	1.27	bb

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Compound name: PCB-179  
 Response Factor: 1.29806  
 RRF SD: 0.052795, Relative SD: 4.06721  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	1.00	NO	44.27	1.030	2.80e3	9.28e5	0.232	-7.0	1.21	MM
200801K1_2	1.00	1.00	NO	44.29	1.030	1.29e4	1.02e6	0.979	-2.1	1.27	MM
200801K1_3	2.50	1.10	NO	44.29	1.030	3.39e4	1.03e6	2.52	1.0	1.31	bb
200801K1_4	50.0	1.04	NO	44.29	1.030	6.78e5	1.01e6	51.4	2.8	1.33	bb
200801K1_5	400	1.04	NO	44.29	1.030	6.16e6	1.13e6	418	4.5	1.36	bb
200801K1_6	1000	1.04	NO	44.29	1.030	1.55e7	1.18e6	1010	0.9	1.31	bb

Compound name: PCB-176  
 Response Factor: 1.30863  
 RRF SD: 0.0665306, Relative SD: 5.08397  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	1.13	NO	44.75	1.041	2.78e3	9.28e5	0.229	-8.5	1.20	MM
200801K1_2	1.00	1.07	NO	44.77	1.041	1.34e4	1.02e6	1.01	0.7	1.32	bb
200801K1_3	2.50	1.07	NO	44.77	1.041	3.31e4	1.03e6	2.44	-2.3	1.28	MM
200801K1_4	50.0	1.05	NO	44.77	1.041	6.80e5	1.01e6	51.3	2.8	1.34	bb
200801K1_5	400	1.04	NO	44.77	1.041	6.33e6	1.13e6	426	6.5	1.39	bb
200801K1_6	1000	1.03	NO	44.77	1.041	1.57e7	1.18e6	1010	1.1	1.32	bb

Compound name: PCB-186  
 Response Factor: 1.32902  
 RRF SD: 0.119081, Relative SD: 8.96013  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	0.250	1.08	NO	45.37	1.056	2.56e3	9.28e5	0.207	-17.1	1.10	MM
200801K1_2	1.00	0.95	NO	45.39	1.056	1.36e4	1.02e6	1.01	0.8	1.34	MM

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Compound name: PCB-186

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
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

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Compound name: PCB-182/187

Response Factor: 1.06615

RRF SD: 0.0507133, Relative SD: 4.75669

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.500	1.16	NO	46.43	1.080	4.78e3	9.28e5	0.483	-3.3	1.03	MM
200801K1_2	2.00	1.06	NO	46.43	1.080	2.07e4	1.02e6	1.91	-4.4	1.02	db
200801K1_3	5.00	1.00	NO	46.43	1.080	5.24e4	1.03e6	4.74	-5.1	1.01	MM
200801K1_4	100	1.04	NO	46.43	1.080	1.13e6	1.01e6	104	4.2	1.11	db
200801K1_5	800	1.05	NO	46.43	1.080	1.02e7	1.13e6	840	5.0	1.12	db
200801K1_6	2000	1.04	NO	46.43	1.080	2.62e7	1.18e6	2070	3.7	1.11	db

Compound name: PCB-183

Response Factor: 1.02281

RRF SD: 0.0863349, Relative SD: 8.44093

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.07	NO	46.76	1.066	2.03e3	9.28e5	0.214	-14.4	0.875	MM
200801K1_2	1.00	1.12	NO	46.76	1.066	9.96e3	1.02e6	0.958	-4.2	0.980	bb
200801K1_3	2.50	1.02	NO	46.76	1.066	2.62e4	1.03e6	2.47	-1.0	1.01	bb
200801K1_4	50.0	1.03	NO	46.76	1.067	5.52e5	1.01e6	53.3	6.5	1.09	bb
200801K1_5	400	1.04	NO	46.76	1.067	4.98e6	1.13e6	429	7.3	1.10	bb
200801K1_6	1000	1.04	NO	46.76	1.067	1.28e7	1.18e6	1060	5.8	1.08	bb

Compound name: PCB-185

Response Factor: 1.40567

RRF SD: 0.0901625, Relative SD: 6.41419

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.06	NO	47.44	0.955	1.96e3	6.16e5	0.227	-9.4	1.27	bb
200801K1_2	1.00	1.04	NO	47.44	0.955	9.08e3	6.54e5	0.986	-1.4	1.39	bb

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Compound name: PCB-185

Name	Std. Conc.	RA	rv	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	2.50	1.05	NO	47.44	0.955	2.33e4	7.01e5	2.37	-5.3	1.33	bb
200801K1_4	50.0	1.02	NO	47.44	0.955	4.98e5	6.87e5	53.2	6.4	1.50	bb
200801K1_5	400	1.04	NO	47.44	0.955	4.39e6	7.40e5	422	5.5	1.48	bb
200801K1_6	1000	1.04	NO	47.44	0.955	1.14e7	7.81e5	1040	4.1	1.48	bb

Compound name: PCB-174

Response Factor: 1.35369

RRF SD: 0.0944983, Relative SD: 6.9808

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rv	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.10	NO	47.80	0.962	1.90e3	6.16e5	0.228	-6.7	1.24	MM
200801K1_2	1.00	1.15	NO	47.82	0.962	8.12e3	6.54e5	0.918	-6.2	1.24	bd
200801K1_3	2.50	1.06	NO	47.82	0.962	2.37e4	7.01e5	2.50	0.2	1.36	bd
200801K1_4	50.0	1.04	NO	47.82	0.962	4.78e5	6.87e5	53.0	5.9	1.43	bd
200801K1_5	400	1.03	NO	47.82	0.962	4.29e6	7.40e5	428	7.1	1.45	bd
200801K1_6	1000	1.02	NO	47.82	0.962	1.10e7	7.81e5	1040	3.8	1.40	bd

Compound name: PCB-181

Response Factor: 1.47446

RRF SD: 0.117329, Relative SD: 7.9574

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	rv	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	1.20	NO	47.91	0.964	2.03e3	6.16e5	0.224	-10.4	1.32	MM
200801K1_2	1.00	1.15	NO	47.91	0.964	1.02e4	6.54e5	1.06	6.2	1.57	dd
200801K1_3	2.50	1.07	NO	47.91	0.964	2.32e4	7.01e5	2.25	-10.0	1.33	dd
200801K1_4	50.0	1.03	NO	47.93	0.965	5.11e5	6.87e5	52.0	4.1	1.53	dd
200801K1_5	400	1.04	NO	47.93	0.965	4.60e6	7.40e5	422	5.5	1.56	dd
200801K1_6	1000	1.04	NO	47.93	0.965	1.21e7	7.81e5	1050	4.8	1.54	dd

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Compound name: PCB-177  
 Response Factor: 1.27779  
 RRF SD: 0.0954777, Relative SD: 7.4721  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.00	NO	48.10	0.968	1.77e3	6.16e5	0.225	-10.2	1.15	MM
200601K1_2	1.00	1.02	NO	48.10	0.968	7.89e3	6.54e5	0.945	-5.5	1.21	dd
200601K1_3	2.50	1.13	NO	48.10	0.968	2.15e4	7.01e5	2.40	-3.9	1.23	MM
200601K1_4	50.0	1.04	NO	48.10	0.968	4.52e5	6.67e5	53.0	6.1	1.36	db
200601K1_5	400	1.04	NO	48.10	0.968	4.08e6	7.40e5	432	7.9	1.36	db
200601K1_6	1000	1.03	NO	48.10	0.968	1.05e7	7.81e5	1060	5.8	1.35	db

Compound name: PCB-171  
 Response Factor: 1.31619  
 RRF SD: 0.111307, Relative SD: 8.45674  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.15	NO	48.38	0.974	1.77e3	6.16e5	0.218	-12.6	1.15	MM
200601K1_2	1.00	0.99	NO	48.38	0.974	8.25e3	6.54e5	0.959	-4.1	1.26	MM
200601K1_3	2.50	0.98	NO	48.38	0.974	2.19e4	7.01e5	2.38	-4.9	1.25	MM
200601K1_4	50.0	1.03	NO	48.40	0.974	4.88e5	6.67e5	53.3	6.8	1.40	bd
200601K1_5	400	1.02	NO	48.40	0.974	4.19e6	7.40e5	431	7.8	1.42	bd
200601K1_6	1000	1.04	NO	48.40	0.974	1.10e7	7.81e5	1070	7.4	1.41	bd

Compound name: PCB-173  
 Response Factor: 1.18982  
 RRF SD: 0.0600259, Relative SD: 5.04452  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	Qty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.93	NO	48.84	0.983	1.75e3	6.16e5	0.238	-4.7	1.13	MM
200601K1_2	1.00	1.12	NO	48.84	0.983	7.51e3	6.54e5	0.968	-3.4	1.15	MM

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Compound name: PCB-173

Name	Std. Conc.	RA	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



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Compound name: PCB-180  
 Response Factor: 1.41175  
 RRF SD: 0.126648, Relative SD: 8.97102  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.08	NO	49.71	1.000	1.80e3	6.16e5	0.207	-17.2	1.17	dd
200601K1_2	1.00	1.20	NO	49.71	1.000	9.48e3	6.54e5	1.03	2.7	1.45	dd
200601K1_3	2.50	1.02	NO	49.71	1.000	2.42e4	7.01e5	2.45	-2.0	1.38	dd
200601K1_4	50.0	1.03	NO	49.71	1.000	4.91e5	6.67e5	52.2	4.4	1.47	dd
200601K1_5	400	1.04	NO	49.71	1.000	4.47e6	7.40e5	428	7.0	1.51	dd
200601K1_6	1000	1.03	NO	49.71	1.000	1.16e7	7.81e5	1050	5.0	1.48	dd

Compound name: PCB-183  
 Response Factor: 1.67682  
 RRF SD: 0.0708905, Relative SD: 4.22768  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.18	NO	49.92	1.005	2.64e3	6.16e5	0.256	2.4	1.72	MM
200601K1_2	1.00	1.01	NO	49.92	1.005	1.06e4	6.54e5	0.963	-3.7	1.81	db
200601K1_3	2.50	0.99	NO	49.92	1.005	2.74e4	7.01e5	2.33	-6.8	1.56	MM
200601K1_4	50.0	1.03	NO	49.92	1.005	5.70e5	6.67e5	51.0	2.0	1.71	db
200601K1_5	400	1.04	NO	49.92	1.005	5.14e6	7.40e5	415	3.7	1.74	dd
200601K1_6	1000	1.03	NO	49.92	1.005	1.34e7	7.81e5	1030	2.5	1.72	db

Compound name: PCB-181  
 Response Factor: 1.71019  
 RRF SD: 0.0665243, Relative SD: 3.88988  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	0.250	1.04	NO	50.19	1.010	2.61e3	6.16e5	0.248	-1.0	1.69	MM
200601K1_2	1.00	1.08	NO	50.19	1.010	1.06e4	6.54e5	0.963	-3.7	1.85	MM

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Compound name: PCB-191

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	2.50	0.92	NO	50.19	1.010	2.85e4	7.01e5	2.38	-5.0	1.62	MM
200601K1_4	50.0	1.00	NO	50.19	1.010	5.78e5	6.67e5	50.8	1.5	1.74	bb
200601K1_5	400	1.04	NO	50.19	1.010	5.29e6	7.40e5	418	4.6	1.79	dd
200601K1_6	1000	1.05	NO	50.19	1.010	1.36e7	7.81e5	1040	3.6	1.77	bd

Compound name: PCB-170

Response Factor: 1.40071

RRF SD: 0.105718, Relative SD: 7.54749

Response type: Internal Std ( Ref 206 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.10	NO	51.36	1.000	1.64e3	5.21e5	0.224	-10.3	1.26	MM
200601K1_2	1.00	0.97	NO	51.36	1.000	7.54e3	5.75e5	0.935	-6.5	1.31	MM
200601K1_3	2.50	1.08	NO	51.36	1.000	2.11e4	6.11e5	2.46	-1.4	1.38	MM
200601K1_4	50.0	1.04	NO	51.36	1.000	4.14e5	5.78e5	51.0	2.1	1.43	bd
200601K1_5	400	1.03	NO	51.36	1.000	3.73e6	6.11e5	438	9.0	1.53	bd
200601K1_6	1000	1.02	NO	51.36	1.000	9.85e6	6.57e5	1070	7.1	1.50	bd

Compound name: PCB-190

Response Factor: 1.85102

RRF SD: 0.142118, Relative SD: 7.67782

Response type: Internal Std ( Ref 206 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	0.250	1.07	NO	51.59	1.004	2.26e3	5.21e5	0.234	-6.3	1.73	MM
200601K1_2	1.00	1.09	NO	51.59	1.004	9.81e3	5.75e5	0.921	-7.9	1.71	MM
200601K1_3	2.50	1.11	NO	51.59	1.004	2.68e4	6.11e5	2.37	-5.3	1.75	MM
200601K1_4	50.0	1.00	NO	51.59	1.004	5.43e5	5.78e5	50.7	1.4	1.88	db
200601K1_5	400	1.04	NO	51.59	1.004	4.96e6	6.11e5	439	9.7	2.03	db
200601K1_6	1000	1.05	NO	51.59	1.004	1.32e7	6.57e5	1060	8.4	2.01	db

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Compound name: PCB-189  
 Response Factor: 1.4524  
 RRF SD: 0.0988417, Relative SD: 6.80541  
 Response type: Internal Std ( Ref 207 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	1.18	NO	53.08	1.000	2.37e3	6.87e5	0.238	-5.0	1.38	MM
200601K1_2	1.00	1.00	NO	53.10	1.000	1.00e4	7.42e5	0.932	-6.8	1.35	MM
200601K1_3	2.50	1.09	NO	53.10	1.000	2.75e4	8.11e5	2.34	-6.5	1.36	MM
200601K1_4	50.0	1.03	NO	53.10	1.000	5.78e5	7.81e5	52.1	4.2	1.51	bb
200601K1_5	400	1.02	NO	53.10	1.000	5.04e6	8.07e5	430	7.5	1.56	bb
200601K1_6	1000	1.02	NO	53.10	1.000	1.34e7	8.85e5	1070	8.8	1.55	bb

Compound name: PCB-202  
 Response Factor: 1.16825  
 RRF SD: 0.08292, Relative SD: 7.09778  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.93	NO	48.59	1.000	1.92e3	6.72e5	0.245	-2.2	1.14	MM
200601K1_2	1.00	1.02	NO	48.61	1.000	7.83e3	7.55e5	0.888	-11.2	1.04	MM
200601K1_3	2.50	0.94	NO	48.61	1.000	2.18e4	7.88e5	2.43	-2.8	1.14	bb
200601K1_4	50.0	0.89	NO	48.61	1.000	4.58e5	7.74e5	50.8	1.3	1.18	bb
200601K1_5	400	0.91	NO	48.61	1.000	4.13e6	8.21e5	431	7.7	1.26	bb
200601K1_6	1000	0.91	NO	48.61	1.000	1.08e7	8.48e5	1070	7.2	1.25	bb

Compound name: PCB-201  
 Response Factor: 1.05277  
 RRF SD: 0.0608949, Relative SD: 5.78427  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inty	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	0.250	0.79	NO	49.10	1.011	1.71e3	6.72e5	0.241	-3.6	1.01	bd
200601K1_2	1.00	0.90	NO	49.10	1.010	7.27e3	7.55e5	0.915	-8.5	0.983	bd

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Compound name: PCB-201

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X#	dropped
200801K1_3	2.50	0.94	NO	49.10	1.010	1.98e4	7.88e5	2.47	-1.2	1.04		bd
200801K1_4	50.0	0.91	NO	49.10	1.010	4.10e5	7.74e5	50.3	0.7	1.06		bd
200801K1_5	400	0.92	NO	49.10	1.010	3.88e6	8.21e5	424	6.0	1.12		bd
200801K1_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
200801K1_1	0.250	0.77	NO	49.24	1.014	1.83e3	6.72e5	0.238	-4.6	1.09		MM
200801K1_2	1.00	0.89	NO	49.28	1.014	8.01e3	7.55e5	0.930	-7.0	1.06		db
200801K1_3	2.50	0.82	NO	49.26	1.014	2.04e4	7.88e5	2.34	-6.5	1.07		db
200801K1_4	50.0	0.90	NO	49.26	1.014	4.36e5	7.74e5	49.4	-1.2	1.13		db
200801K1_5	400	0.91	NO	49.28	1.014	4.07e6	8.21e5	435	8.7	1.24		db
200801K1_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
200801K1_1	0.250	0.99	NO	49.58	1.021	1.89e3	6.72e5	0.248	-0.9	1.12		MM
200801K1_2	1.00	1.01	NO	49.58	1.020	7.47e3	7.55e5	0.874	-12.6	0.989		bb
200801K1_3	2.50	0.99	NO	49.58	1.020	2.16e4	7.88e5	2.49	-0.4	1.13		MM
200801K1_4	50.0	0.90	NO	49.58	1.020	4.31e5	7.74e5	49.2	-1.6	1.11		bb
200801K1_5	400	0.91	NO	49.58	1.020	4.00e6	8.21e5	431	7.7	1.22		bb
200801K1_6	1000	0.89	NO	49.58	1.020	1.03e7	8.48e5	1080	7.8	1.22		bb

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Compound name: PCB-200  
 Response Factor: 1.07032  
 RRF SD: 0.0809843, Relative SD: 7.56448  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	1.00	NO	50.51	1.040	1.84e3	6.72e5	0.256	2.3	1.09	bb
2	200601K1_2	1.00	0.95	NO	50.51	1.039	7.00e3	7.55e5	0.866	-13.4	0.927	bb
3	200601K1_3	2.50	0.87	NO	50.51	1.039	2.02e4	7.66e5	2.46	-1.7	1.05	bb
4	200601K1_4	50.0	0.90	NO	50.53	1.040	4.10e5	7.74e5	49.5	-1.1	1.06	bb
5	200601K1_5	400	0.90	NO	50.53	1.040	3.78e6	8.21e5	430	7.5	1.15	bb
6	200601K1_6	1000	0.89	NO	50.53	1.040	9.83e6	8.48e5	1060	6.4	1.14	bb

Compound name: PCB-198  
 Response Factor: 0.793834  
 RRF SD: 0.0466547, Relative SD: 5.87713  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	0.81	NO	52.08	1.072	1.22e3	6.72e5	0.229	-8.4	0.727	MM
2	200601K1_2	1.00	0.84	NO	52.08	1.072	5.92e3	7.55e5	0.988	-1.2	0.784	bd
3	200601K1_3	2.50	0.85	NO	52.08	1.072	1.51e4	7.66e5	2.48	-0.9	0.787	bd
4	200601K1_4	50.0	0.91	NO	52.08	1.072	2.98e5	7.74e5	48.8	-2.9	0.771	bd
5	200601K1_5	400	0.89	NO	52.08	1.072	2.76e6	8.21e5	424	6.0	0.841	bd
6	200601K1_6	1000	0.89	NO	52.08	1.072	7.22e6	8.48e5	1070	7.5	0.853	bd

Compound name: PCB-199  
 Response Factor: 0.809242  
 RRF SD: 0.0640263, Relative SD: 7.91189  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200601K1_1	0.250	0.83	NO	52.21	1.075	1.18e3	6.72e5	0.216	-13.6	0.699	MM
2	200601K1_2	1.00	0.93	NO	52.19	1.074	6.27e3	7.55e5	1.03	2.7	0.831	db

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Compound name: PCB-199

Name	Std. Conc.	RA	RF	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	2.50	1.00	NO	52.21	1.074	1.51e4	7.86e5	2.43	-2.8	0.786	MM
200801K1_4	50.0	0.92	NO	52.21	1.074	3.10e5	7.74e5	49.5	-1.0	0.801	db
200801K1_5	400	0.89	NO	52.21	1.074	2.81e6	8.21e5	424	5.9	0.857	db
200801K1_6	1000	0.90	NO	52.21	1.074	7.45e6	8.46e5	1090	8.8	0.881	db

Compound name: PCB-198/203

Response Factor: 0.838202

RRF SD: 0.0715006, Relative SD: 8.53023

Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	RF	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.500	1.00	NO	52.50	1.081	2.91e3	6.72e5	0.518	3.1	0.884	bb
200801K1_2	2.00	0.93	NO	52.50	1.080	1.09e4	7.55e5	1.73	-13.8	0.724	bd
200801K1_3	5.00	0.94	NO	52.50	1.080	3.07e4	7.86e5	4.79	-4.3	0.802	MM
200801K1_4	100	0.90	NO	52.51	1.081	6.36e5	7.74e5	98.1	-1.9	0.822	bb
200801K1_5	800	0.91	NO	52.51	1.081	5.85e6	8.21e5	850	6.2	0.891	bb
200801K1_6	2000	0.91	NO	52.51	1.081	1.57e7	8.46e5	2210	10.4	0.926	bb

Compound name: PCB-195

Response Factor: 1.04444

RRF SD: 0.0883119, Relative SD: 8.45545

Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	RF	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	0.250	0.81	NO	53.79	0.983	1.54e3	6.54e5	0.225	-9.8	0.942	MM
200801K1_2	1.00	0.81	NO	53.79	0.983	6.86e3	6.72e5	0.948	-5.2	0.990	bb
200801K1_3	2.50	0.88	NO	53.79	0.983	1.83e4	7.55e5	2.32	-7.2	0.970	bb
200801K1_4	50.0	0.88	NO	53.81	0.984	3.74e5	6.85e5	52.4	4.7	1.09	bd
200801K1_5	400	0.89	NO	53.79	0.983	3.33e6	7.19e5	443	10.8	1.16	bd
200801K1_6	1000	0.90	NO	53.81	0.984	8.99e6	8.07e5	1070	6.6	1.11	bd

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Compound name: PCB-194  
 Response Factor: 1.11592  
 RRF SD: 0.0652125, Relative SD: 5.84384  
 Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	in/	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	0.76	NO	54.72	1.000	1.92e3	6.54e5	0.262	4.9	1.17	MM
200801K1_2	1.00	0.91	NO	54.72	1.000	7.03e3	6.72e5	0.937	-6.3	1.05	bb
200801K1_3	2.50	0.91	NO	54.72	1.000	1.84e4	7.55e5	2.30	-6.1	1.03	bb
200801K1_4	50.0	0.88	NO	54.72	1.000	3.84e5	6.85e5	50.2	0.5	1.12	bb
200801K1_5	400	0.88	NO	54.72	1.000	3.39e6	7.19e5	422	5.5	1.18	bb
200801K1_6	1000	0.89	NO	54.72	1.000	9.32e6	8.07e5	1040	3.5	1.16	bb

Compound name: PCB-205  
 Response Factor: 1.28935  
 RRF SD: 0.0752087, Relative SD: 5.83305  
 Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	in/	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.01	NO	54.99	1.005	1.97e3	6.54e5	0.233	-6.7	1.20	MM
200801K1_2	1.00	0.88	NO	54.99	1.005	8.47e3	8.72e5	0.977	-2.3	1.26	bb
200801K1_3	2.50	0.92	NO	54.99	1.005	2.29e4	7.55e5	2.35	-5.8	1.21	bb
200801K1_4	50.0	0.89	NO	54.99	1.005	4.55e5	6.85e5	51.5	3.1	1.33	bb
200801K1_5	400	0.87	NO	54.99	1.005	4.00e6	7.19e5	431	7.9	1.39	bb
200801K1_6	1000	0.88	NO	54.99	1.005	1.08e7	8.07e5	1040	3.9	1.34	bb

Compound name: PCB-208  
 Response Factor: 0.933088  
 RRF SD: 0.0782208, Relative SD: 8.383  
 Response type: Internal Std ( Ref 210 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	in/	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	0.250	1.28	NO	53.95	1.000	1.83e3	8.27e5	0.237	-5.3	0.884	bb
200801K1_2	1.00	1.34	NO	53.95	1.000	7.27e3	8.89e5	0.876	-12.4	0.818	bb

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Compound name: PCB-208

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	2.50	1.29	NO	53.95	1.000	2.17e4	9.56e5	2.43	-2.9	0.908	bb
200601K1_4	50.0	1.35	NO	53.95	1.000	4.38e5	9.09e5	51.6	3.3	0.964	bb
200601K1_5	400	1.35	NO	53.95	1.000	3.85e6	9.40e5	439	9.7	1.02	bb
200601K1_6	1000	1.34	NO	53.95	1.000	1.02e7	1.01e6	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



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Compound name: PCB-209  
 Response Factor: 0.986438  
 RRF SD: 0.0459049, Relative SD: 4.6536  
 Response type: Internal Std ( Ref 212 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X=dropped
1	200601K1_1	0.250	1.31	NO	57.48	1.000	8.49e2	3.85e5	0.236	-5.8	0.930	bb
2	200601K1_2	1.00	1.14	NO	57.49	1.000	3.51e3	3.87e5	0.970	-3.0	0.957	bb
3	200601K1_3	2.50	1.20	NO	57.49	1.000	9.28e3	3.88e5	2.42	-3.1	0.956	bb
4	200601K1_4	50.0	1.19	NO	57.49	1.000	1.78e5	3.55e5	50.8	1.8	1.00	bb
5	200601K1_5	400	1.18	NO	57.49	1.000	1.45e6	3.47e5	424	6.0	1.05	bb
6	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
1	200601K1_1	100	3.27	NO	15.51	0.608	2.37e6	2.62e6	101	1.1	0.903	bb
2	200601K1_2	100	3.24	NO	15.52	0.608	2.53e6	2.80e6	101	1.1	0.903	bb
3	200601K1_3	100	3.25	NO	15.53	0.609	2.48e6	2.85e6	98.8	-3.4	0.863	bb
4	200601K1_4	100	3.38	NO	15.53	0.609	2.44e6	2.67e6	102	2.2	0.914	bb
5	200601K1_5	100	3.20	NO	15.53	0.609	2.52e6	2.81e6	100	0.3	0.896	bb
6	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
1	200601K1_1	100	3.25	NO	18.16	0.711	2.41e6	2.62e6	101	1.0	0.920	bb
2	200601K1_2	100	3.30	NO	18.16	0.711	2.58e6	2.80e6	101	1.3	0.923	bb

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Compound name: 13C-PCB-3

Name	Std. Conc.	RA	ntf	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	ntf	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	ntf	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.57	NO	21.33	0.836	2.57e6	2.62e6	101	1.2	0.981	bb
200801K1_2	100	1.57	NO	21.34	0.836	2.77e6	2.80e6	102	2.0	0.989	bb
200801K1_3	100	1.58	NO	21.35	0.836	2.71e6	2.85e6	98.0	-2.0	0.950	bb
200801K1_4	100	1.57	NO	21.35	0.836	2.81e6	2.87e6	101	0.6	0.975	bb
200801K1_5	100	1.58	NO	21.35	0.836	2.73e6	2.81e6	100	0.2	0.972	bb
200801K1_6	100	1.55	NO	21.35	0.836	2.83e6	2.77e6	98.1	-1.9	0.951	bb

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Compound name: 13C-PCB-11  
 Response Factor: 0.961529  
 RRF SD: 0.00722668, Relative SD: 0.751582  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	1.57	NO	24.76	0.971	2.53e6	2.62e6	100	0.5	0.966	bb
200601K1_2	100	1.57	NO	24.79	0.972	2.70e6	2.80e6	100	0.3	0.964	bb
200601K1_3	100	1.57	NO	24.80	0.972	2.71e6	2.85e6	98.9	-1.1	0.951	bb
200601K1_4	100	1.56	NO	24.80	0.972	2.56e6	2.87e6	99.5	-0.5	0.957	bb
200601K1_5	100	1.57	NO	24.80	0.972	2.70e6	2.81e6	99.8	-0.2	0.960	bb
200601K1_6	100	1.57	NO	24.80	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

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Compound name: 13C-PCB-32

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X=dropped
200601K1_3	100	1.02	NO	28.75	1.048	2.03e6	2.85e6	95.5	-4.5	0.710	bb
200601K1_4	100	1.03	NO	28.75	1.048	1.97e6	2.87e6	99.2	-0.8	0.739	bb
200601K1_5	100	1.04	NO	28.75	1.048	2.13e6	2.81e6	102	2.0	0.759	bb
200601K1_6	100	1.05	NO	28.75	1.048	2.18e6	2.77e6	105	4.7	0.779	bb

Compound name: 13C-PCB-28

Response Factor: 1.06428

RRF SD: 0.0550204, Relative SD: 5.16973

Response type: Internal Std ( Ref 214 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X=dropped
200601K1_1	100	1.03	NO	28.75	1.003	2.38e6	2.08e6	107	7.4	1.14	db
200601K1_2	100	1.04	NO	28.77	1.004	2.38e6	2.43e6	92.3	-7.7	0.983	db
200601K1_3	100	1.04	NO	28.77	1.004	2.33e6	2.26e6	97.0	-3.0	1.03	db
200601K1_4	100	1.04	NO	28.77	1.004	2.26e6	2.13e6	98.7	-0.3	1.06	db
200601K1_5	100	1.04	NO	28.77	1.004	2.40e6	2.24e6	100	0.4	1.07	db
200601K1_6	100	1.04	NO	28.77	1.004	2.39e6	2.18e6	103	3.2	1.10	db

Compound name: 13C-PCB-37

Response Factor: 0.989118

RRF SD: 0.0390859, Relative SD: 3.95159

Response type: Internal Std ( Ref 214 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X=dropped
200601K1_1	100	1.03	NO	32.75	1.143	2.11e6	2.08e6	102	2.5	1.01	bb
200601K1_2	100	1.02	NO	32.75	1.143	2.28e6	2.43e6	94.0	-8.0	0.930	bb
200601K1_3	100	1.05	NO	32.75	1.143	2.28e6	2.28e6	101	1.4	1.00	bb
200601K1_4	100	1.03	NO	32.75	1.143	2.09e6	2.13e6	99.2	-0.8	0.981	bb
200601K1_5	100	1.06	NO	32.75	1.143	2.17e6	2.24e6	97.8	-2.4	0.968	bb
200601K1_6	100	1.05	NO	32.77	1.143	2.27e6	2.18e6	105	5.3	1.04	bb

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**Compound name: 13C-PCB-54**

Response Factor: 0.99939

RRF SD: 0.0146278, Relative SD: 1.46368

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	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

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**Compound name: 13C-PCB-47**

Name	Std Conc	RA	inj	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	inj	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	inj	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	0.80	NO	35.84	0.977	1.75e6	1.67e6	102	1.8	1.05	bb
200601K1_2	100	0.79	NO	35.84	0.977	1.87e6	1.82e6	100	-0.0	1.03	bb
200601K1_3	100	0.79	NO	35.84	0.977	1.86e6	1.81e6	99.7	-0.3	1.03	bb
200601K1_4	100	0.79	NO	35.84	0.977	1.79e6	1.74e6	100	0.2	1.03	bb
200601K1_5	100	0.80	NO	35.84	0.977	1.90e6	1.89e6	97.8	-2.2	1.01	db
200601K1_6	100	0.77	NO	35.84	0.977	1.99e6	1.92e6	100	0.5	1.03	bb

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**Compound name: 13C-PCB-81**

Response Factor: 0.987991

RRF SD: 0.0137248, Relative SD: 1.38916

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
1	200801K1_1	100	0.79	NO	39.04	1.084	1.85e6	1.87e6	99.8	-0.2	0.986	bd
2	200801K1_2	100	0.79	NO	39.04	1.084	1.76e6	1.82e6	98.0	-2.0	0.988	bd
3	200801K1_3	100	0.79	NO	39.04	1.084	1.80e6	1.81e6	100	0.5	0.993	bd
4	200801K1_4	100	0.80	NO	39.04	1.084	1.70e6	1.74e6	99.2	-0.8	0.980	bb
5	200801K1_5	100	0.78	NO	39.04	1.084	1.86e6	1.89e6	101	0.6	0.994	bd
6	200801K1_6	100	0.78	NO	39.04	1.084	1.94e6	1.92e6	102	2.0	1.01	bd

**Compound name: 13C-PCB-77**

Response Factor: 0.988731

RRF SD: 0.0228063, Relative SD: 2.35425

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
1	200801K1_1	100	0.79	NO	39.66	1.081	1.59e6	1.67e6	98.5	-1.5	0.954	bb
2	200801K1_2	100	0.78	NO	39.66	1.081	1.71e6	1.82e6	97.0	-3.0	0.940	bb
3	200801K1_3	100	0.79	NO	39.66	1.081	1.75e6	1.81e6	99.7	-0.3	0.966	bb
4	200801K1_4	100	0.80	NO	39.66	1.081	1.69e6	1.74e6	101	0.6	0.975	bb
5	200801K1_5	100	0.81	NO	39.66	1.081	1.84e6	1.89e6	100	0.2	0.970	bb
6	200801K1_6	100	0.80	NO	39.66	1.081	1.94e6	1.92e6	104	4.0	1.01	bb

**Compound name: 13C-PCB-104**

Response Factor: 1.01645

RRF SD: 0.0338582, Relative SD: 3.33102

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
1	200801K1_1	100	1.58	NO	32.44	0.828	1.12e6	1.08e6	102	1.8	1.03	bb
2	200801K1_2	100	1.85	NO	32.46	0.827	1.26e6	1.18e6	105	4.9	1.07	bb

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Compound name: 13C-PCB-104

Name	Std. Conc	RA	ny	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	ny	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	ny	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



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Compound name: 13C-PCB-97  
 Response Factor: 0.696385  
 RRF SD: 0.00628075, Relative SD: 0.901907  
 Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	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

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**Compound name: 13C-PCB-118**

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_3	100	1.88	NO	41.85	1.081	1.16e6	1.17e6	100	0.3	0.989	db
200801K1_4	100	1.84	NO	41.85	1.081	1.12e6	1.15e6	98.8	-1.2	0.974	db
200801K1_5	100	1.83	NO	41.85	1.081	1.27e6	1.31e6	98.2	-1.8	0.987	db
200801K1_6	100	1.58	NO	41.85	1.081	1.32e6	1.31e6	102	2.0	1.01	db

**Compound name: 13C-PCB-114**

Response Factor: 1.54868

RRF SD: 0.0375936, Relative SD: 2.4308

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.58	NO	42.30	0.908	1.38e6	8.47e5	104	4.0	1.81	bb
200801K1_2	100	1.55	NO	42.30	0.908	1.45e6	9.25e5	102	1.8	1.57	bb
200801K1_3	100	1.58	NO	42.32	0.908	1.47e6	9.70e5	97.9	-2.1	1.51	bb
200801K1_4	100	1.58	NO	42.32	0.908	1.41e6	9.28e5	98.2	-1.8	1.52	bb
200801K1_5	100	1.59	NO	42.32	0.908	1.52e6	1.00e6	98.3	-1.7	1.52	bb
200801K1_6	100	1.58	NO	42.32	0.908	1.58e6	1.02e6	100	0.0	1.55	bb

**Compound name: 13C-PCB-105**

Response Factor: 1.57244

RRF SD: 0.0487805, Relative SD: 3.10222

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.58	NO	43.19	0.927	1.40e6	8.47e5	105	5.1	1.85	dd
200801K1_2	100	1.55	NO	43.19	0.927	1.47e6	9.25e5	101	1.1	1.59	bd
200801K1_3	100	1.59	NO	43.21	0.927	1.49e6	9.70e5	98.0	-2.0	1.54	bd
200801K1_4	100	1.59	NO	43.21	0.927	1.42e6	9.28e5	97.4	-2.8	1.53	bb
200801K1_5	100	1.57	NO	43.21	0.927	1.53e6	1.00e6	97.2	-2.8	1.53	bd
200801K1_6	100	1.57	NO	43.21	0.927	1.62e6	1.02e6	101	1.2	1.59	dd

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

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Compound name: 13C-PCB-127  
 Response Factor: 1.82478  
 RRF SD: 0.0481809, Relative SD: 2.96539  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	1.56	NO	43.55	0.935	1.45e6	8.47e5	105	5.2	1.71	db
200801K1_2	100	1.57	NO	43.55	0.935	1.51e6	9.25e5	100	0.3	1.83	db
200801K1_3	100	1.57	NO	43.55	0.935	1.59e6	9.70e5	101	0.8	1.84	db
200801K1_4	100	1.56	NO	43.55	0.934	1.47e6	9.28e5	97.5	-2.5	1.58	bb
200801K1_5	100	1.56	NO	43.55	0.934	1.58e6	1.00e6	97.0	-3.0	1.58	db
200801K1_6	100	1.56	NO	43.55	0.934	1.64e6	1.02e6	99.2	-0.8	1.81	db

Compound name: 13C-PCB-126  
 Response Factor: 1.56796  
 RRF SD: 0.0317856, Relative SD: 2.02719  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	1.55	NO	45.51	0.978	1.33e6	8.47e5	100	0.0	1.57	bb
200801K1_2	100	1.56	NO	45.51	0.978	1.49e6	9.25e5	103	2.8	1.81	bb
200801K1_3	100	1.59	NO	45.51	0.978	1.54e6	9.70e5	101	1.0	1.58	bb
200801K1_4	100	1.54	NO	45.52	0.978	1.45e6	9.28e5	100	0.1	1.57	bb
200801K1_5	100	1.57	NO	45.51	0.978	1.51e6	1.00e6	98.4	-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

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Compound name: 13C-PCB-155

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_3	100	1.32	NO	36.99	0.943	7.36e5	1.17e6	102	2.3	0.629	bb
200601K1_4	100	1.28	NO	36.99	0.943	7.19e5	1.15e6	102	1.5	0.624	bb
200601K1_5	100	1.35	NO	36.99	0.943	7.68e5	1.31e6	97.8	-2.2	0.601	bb
200601K1_6	100	1.32	NO	36.99	0.943	7.92e5	1.31e6	98.3	-1.7	0.604	bb

Compound name: 13C-PCB-153

Response Factor: 1.36484

RRF SD: 0.0310875, Relative SD: 2.27774

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.26	NO	43.36	0.930	1.21e6	8.47e5	104	4.5	1.43	bb
200601K1_2	100	1.25	NO	43.36	0.930	1.26e6	9.25e5	100	0.1	1.37	bb
200601K1_3	100	1.24	NO	43.36	0.930	1.30e6	9.70e5	98.2	-1.8	1.34	bb
200601K1_4	100	1.28	NO	43.36	0.930	1.25e6	9.26e5	99.1	-0.9	1.35	bb
200601K1_5	100	1.25	NO	43.36	0.930	1.35e6	1.00e6	98.8	-1.2	1.35	bb
200601K1_6	100	1.28	NO	43.36	0.930	1.38e6	1.02e6	99.4	-0.6	1.36	bb

Compound name: 13C-PCB-141

Response Factor: 1.12787

RRF SD: 0.0175764, Relative SD: 1.55838

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200601K1_1	100	1.28	NO	44.12	0.947	9.74e5	8.47e5	102	1.9	1.15	bb
200601K1_2	100	1.28	NO	44.14	0.947	1.06e6	9.25e5	101	1.4	1.14	bb
200601K1_3	100	1.30	NO	44.14	0.947	1.10e6	9.70e5	100	0.4	1.13	bb
200601K1_4	100	1.28	NO	44.14	0.947	1.03e6	9.26e5	99.1	-0.9	1.12	bb
200601K1_5	100	1.26	NO	44.14	0.947	1.12e6	1.00e6	99.4	-0.6	1.12	bb
200601K1_6	100	1.26	NO	44.14	0.947	1.12e6	1.02e6	97.7	-2.3	1.10	bb

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

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Compound name: 13C-PCB-138  
 Response Factor: 1.18475  
 RRF SD: 0.015047, Relative SD: 1.27006  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.29	NO	44.99	0.965	1.00e6	8.47e5	99.7	-0.3	1.18	bb
200801K1_2	100	1.29	NO	44.99	0.965	1.11e6	9.25e5	101	1.0	1.20	bb
200801K1_3	100	1.29	NO	45.01	0.966	1.16e6	9.70e5	101	0.6	1.19	bb
200801K1_4	100	1.29	NO	45.01	0.965	1.07e6	9.28e5	97.9	-2.1	1.16	bb
200801K1_5	100	1.28	NO	45.01	0.965	1.18e6	1.00e6	99.5	-0.5	1.18	bb
200801K1_6	100	1.27	NO	45.01	0.985	1.22e6	1.02e6	101	1.3	1.20	bb

Compound name: 13C-PCB-159  
 Response Factor: 1.43942  
 RRF SD: 0.0195746, Relative SD: 1.3599  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.28	NO	46.32	0.994	1.22e6	8.47e5	99.7	-0.3	1.44	bb
200801K1_2	100	1.28	NO	46.32	0.994	1.34e6	9.25e5	100	0.4	1.44	bd
200801K1_3	100	1.27	NO	46.32	0.994	1.38e6	9.70e5	99.0	-1.0	1.43	bd
200801K1_4	100	1.28	NO	46.34	0.994	1.33e6	9.28e5	99.7	-0.3	1.43	bd
200801K1_5	100	1.28	NO	46.34	0.994	1.42e6	1.00e6	98.7	-1.3	1.42	bd
200801K1_6	100	1.28	NO	46.34	0.994	1.51e6	1.02e6	103	2.5	1.48	bd

Compound name: 13C-PCB-167  
 Response Factor: 1.44018  
 RRF SD: 0.0216462, Relative SD: 1.50303  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Inj	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	1.28	NO	47.02	1.009	1.22e6	8.47e5	99.8	-0.4	1.43	bb
200801K1_2	100	1.28	NO	47.02	1.009	1.33e6	9.25e5	99.8	-0.4	1.43	bb

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Compound name: 13C-PCB-167

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	100	1.27	NO	47.04	1.009	1.39e6	9.70e5	99.8	-0.2	1.44	bb
200601K1_4	100	1.27	NO	47.04	1.009	1.36e6	9.26e5	102	1.9	1.47	bb
200601K1_5	100	1.25	NO	47.04	1.009	1.41e6	1.00e6	97.7	-2.3	1.41	bb
200601K1_6	100	1.26	NO	47.04	1.009	1.49e6	1.02e6	101	1.5	1.46	bb

Compound name: 13C-PCB-156

Response Factor: 1.39893

RRF SD: 0.0275437, Relative SD: 1.97173

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	1.28	NO	48.37	1.038	1.16e6	8.47e5	99.8	-0.2	1.39	bb
200601K1_2	100	1.27	NO	48.37	1.038	1.26e6	9.25e5	97.8	-2.2	1.37	bb
200601K1_3	100	1.28	NO	48.37	1.038	1.35e6	9.70e5	99.5	-0.5	1.39	bb
200601K1_4	100	1.26	NO	48.37	1.037	1.31e6	9.26e5	102	1.7	1.42	bb
200601K1_5	100	1.26	NO	48.37	1.037	1.37e6	1.00e6	98.3	-1.7	1.37	bb
200601K1_6	100	1.27	NO	48.37	1.037	1.47e6	1.02e6	103	2.9	1.44	bb

Compound name: 13C-PCB-157

Response Factor: 1.39899

RRF SD: 0.0376485, Relative SD: 2.69497

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	1.27	NO	48.63	1.043	1.19e6	8.47e5	100	0.2	1.40	bb
200601K1_2	100	1.28	NO	48.63	1.043	1.24e6	9.25e5	95.9	-4.1	1.34	bb
200601K1_3	100	1.28	NO	48.65	1.044	1.36e6	9.70e5	100	0.3	1.40	bb
200601K1_4	100	1.26	NO	48.65	1.043	1.31e6	9.26e5	102	1.6	1.42	bb
200601K1_5	100	1.27	NO	48.65	1.043	1.37e6	1.00e6	98.3	-1.7	1.37	bb
200601K1_6	100	1.26	NO	48.65	1.043	1.46e6	1.02e6	104	3.7	1.45	bb

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Compound name: 13C-PCB-189  
 Response Factor: 1.33116  
 RRF SD: 0.042515, Relative SD: 3.19384  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	1.26	NO	50.90	1.092	1.12e6	8.47e5	99.2	-0.8	1.32	bb
200801K1_2	100	1.26	NO	50.90	1.092	1.19e6	9.25e5	96.3	-3.7	1.28	bb
200801K1_3	100	1.26	NO	50.90	1.092	1.33e6	9.70e5	103	3.1	1.37	bb
200801K1_4	100	1.26	NO	50.90	1.092	1.22e6	9.29e5	99.1	-0.9	1.32	bb
200801K1_5	100	1.25	NO	50.90	1.092	1.30e6	1.00e6	97.7	-2.3	1.30	bb
200801K1_6	100	1.27	NO	50.92	1.092	1.42e6	1.02e6	105	4.8	1.39	bb

Compound name: 13C-PCB-188  
 Response Factor: 1.40951  
 RRF SD: 0.0117086, Relative SD: 0.83069  
 Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	0.45	NO	42.99	0.928	9.28e5	6.80e5	99.8	-0.2	1.41	bb
200801K1_2	100	0.45	NO	42.99	0.928	1.02e6	7.21e5	100	-0.0	1.41	bb
200801K1_3	100	0.46	NO	42.99	0.928	1.03e6	7.29e5	101	0.7	1.42	bb
200801K1_4	100	0.46	NO	43.00	0.928	1.01e6	7.30e5	96.5	-1.5	1.39	bb
200801K1_5	100	0.46	NO	43.00	0.928	1.13e6	8.04e5	100	0.1	1.41	bb
200801K1_6	100	0.45	NO	43.00	0.928	1.18e6	8.32e5	101	0.9	1.42	bb

Compound name: 13C-PCB-180  
 Response Factor: 0.928881  
 RRF SD: 0.0198492, Relative SD: 2.11536  
 Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRF	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	0.46	NO	49.69	1.070	6.18e5	6.80e5	101	0.5	0.934	bd
200801K1_2	100	0.44	NO	49.69	1.070	6.54e5	7.21e5	97.6	-2.4	0.907	bd

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Compound name: 13C-PCB-180

Name	Std. Conc.	RA	Qty	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	Qty	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	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.46	NO	53.08	1.143	6.87e5	6.60e5	99.6	-0.4	1.04	bb
200801K1_2	100	0.46	NO	53.08	1.143	7.42e5	7.21e5	98.5	-1.5	1.03	bb
200801K1_3	100	0.46	NO	53.08	1.143	8.11e5	7.29e5	108	6.4	1.11	bb
200801K1_4	100	0.46	NO	53.08	1.143	7.81e5	7.30e5	99.8	-0.2	1.04	bb
200801K1_5	100	0.46	NO	53.08	1.143	8.07e5	8.04e5	98.1	-3.9	1.00	bb
200801K1_6	100	0.47	NO	53.08	1.143	8.85e5	8.32e5	99.6	-0.4	1.04	bb



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

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Compound name: 13C-PCB-202

Response Factor: 1.03576

RRF SD: 0.0193089, Relative SD: 1.86423

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Hy	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	0.94	NO	48.57	1.048	6.72e5	6.60e5	98.4	-1.6	1.02	bb
200601K1_2	100	0.93	NO	48.59	1.048	7.55e5	7.21e5	101	1.1	1.05	bb
200601K1_3	100	0.93	NO	48.59	1.048	7.66e5	7.29e5	101	1.4	1.05	bb
200601K1_4	100	0.91	NO	48.59	1.048	7.74e5	7.30e5	102	2.4	1.06	bb
200601K1_5	100	0.93	NO	48.59	1.048	8.21e5	8.04e5	98.5	-1.5	1.02	bb
200601K1_6	100	0.91	NO	48.59	1.048	8.48e5	8.32e5	98.2	-1.6	1.02	bb

Compound name: 13C-PCB-184

Response Factor: 0.768019

RRF SD: 0.0144259, Relative SD: 1.87833

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Hy	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	0.88	NO	54.70	0.995	6.54e5	6.59e5	99.2	-0.8	0.762	bb
200601K1_2	100	0.90	NO	54.70	0.995	6.72e5	6.91e5	98.2	-1.8	0.754	bb
200601K1_3	100	0.89	NO	54.70	0.995	7.55e5	9.85e5	99.9	-0.1	0.767	bb
200601K1_4	100	0.89	NO	54.70	0.995	6.85e5	6.96e5	99.3	-0.7	0.763	bb
200601K1_5	100	0.90	NO	54.70	0.995	7.19e5	9.37e5	99.9	-0.1	0.787	bb
200601K1_6	100	0.90	NO	54.70	0.995	8.07e5	1.01e6	104	3.6	0.796	bb

Compound name: 13C-PCB-208

Response Factor: 0.990772

RRF SD: 0.01981, Relative SD: 1.97926

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Hy	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	0.79	NO	53.94	0.981	8.27e5	8.59e5	97.1	-2.9	0.962	bb
200601K1_2	100	0.77	NO	53.94	0.981	8.89e5	8.91e5	101	0.7	0.998	bb

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

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Compound name: 13C-PCB-208

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	100	0.79	NO	53.94	0.981	9.56e5	9.85e5	96.0	-2.0	0.971	bb
200601K1_4	100	0.79	NO	53.94	0.981	9.09e5	8.98e5	102	2.1	1.01	bb
200601K1_5	100	0.78	NO	53.94	0.981	9.40e5	9.37e5	101	1.2	1.00	bb
200601K1_6	100	0.78	NO	53.94	0.981	1.01e6	1.01e6	101	0.9	0.999	bb

Compound name: 13C-PCB-206

Response Factor: 0.552205

RRF SD: 0.00935022, Relative SD: 1.69325

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	0.78	NO	56.24	1.023	4.83e5	8.59e5	102	1.8	0.562	dd
200601K1_2	100	0.81	NO	56.24	1.023	4.90e5	8.91e5	99.5	-0.5	0.550	dd
200601K1_3	100	0.78	NO	56.24	1.023	5.49e5	9.85e5	101	1.0	0.558	bb
200601K1_4	100	0.80	NO	56.24	1.023	5.03e5	8.98e5	101	1.4	0.560	dd
200601K1_5	100	0.78	NO	56.24	1.023	5.04e5	9.37e5	97.4	-2.8	0.538	bd
200601K1_6	100	0.78	NO	56.24	1.023	5.54e5	1.01e6	99.0	-1.0	0.547	db

Compound name: 13C-PCB-209

Response Factor: 0.396384

RRF SD: 0.0196712, Relative SD: 4.96267

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	Hy	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	1.23	NO	57.48	1.046	3.65e5	8.59e5	107	7.2	0.425	bb
200601K1_2	100	1.16	NO	57.48	1.046	3.67e5	8.91e5	104	3.8	0.411	bb
200601K1_3	100	1.18	NO	57.48	1.046	3.88e5	9.85e5	99.5	-0.5	0.394	bb
200601K1_4	100	1.18	NO	57.48	1.046	3.55e5	8.98e5	99.8	-0.2	0.396	bb
200601K1_5	100	1.19	NO	57.48	1.046	3.47e5	9.37e5	93.4	-6.6	0.370	bb
200601K1_6	100	1.19	NO	57.48	1.046	3.87e5	1.01e6	98.3	-3.7	0.382	bb

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

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**Compound name: 13C-PCB-15**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Int.	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	Int.	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	Int.	RT	RRF	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200601K1_1	100	0.78	NO	36.66	0.000	1.67e6	1.67e6	100	0.0	1.00	bb
200601K1_2	100	0.80	NO	36.66	0.000	1.82e6	1.82e6	100	0.0	1.00	bb

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

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Compound name: 13C-PCB-80

Name	Std Conc	RA	ry	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_3	100	0.78	NO	36.68	0.000	1.81e6	1.81e6	100	0.0	1.00	bb
200801K1_4	100	0.79	NO	36.68	0.000	1.74e6	1.74e6	100	0.0	1.00	bb
200801K1_5	100	0.78	NO	36.70	0.000	1.89e6	1.89e6	100	0.0	1.00	bb
200801K1_6	100	0.78	NO	36.70	0.000	1.92e6	1.92e6	100	0.0	1.00	bb

Compound name: 13C-PCB-111

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	ry	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	100	1.62	NO	39.25	0.000	1.08e6	1.08e6	100	0.0	1.00	bb
200801K1_2	100	1.62	NO	39.25	0.000	1.18e6	1.18e6	100	0.0	1.00	bb
200801K1_3	100	1.62	NO	39.25	0.000	1.17e6	1.17e6	100	0.0	1.00	db
200801K1_4	100	1.60	NO	39.25	0.000	1.15e6	1.15e6	100	0.0	1.00	bb
200801K1_5	100	1.62	NO	39.25	0.000	1.31e6	1.31e6	100	0.0	1.00	bb
200801K1_6	100	1.63	NO	39.25	0.000	1.31e6	1.31e6	100	0.0	1.00	bb

Compound name: 13C-PCB-128

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	ry	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200801K1_1	100	1.28	NO	46.60	0.000	8.47e5	8.47e5	100	0.0	1.00	bb
200801K1_2	100	1.27	NO	46.60	0.000	9.25e5	9.25e5	100	0.0	1.00	db
200801K1_3	100	1.25	NO	46.60	0.000	9.70e5	9.70e5	100	0.0	1.00	db
200801K1_4	100	1.26	NO	46.62	0.000	9.26e5	9.26e5	100	0.0	1.00	db
200801K1_5	100	1.26	NO	46.62	0.000	1.00e6	1.00e6	100	0.0	1.00	db
200801K1_6	100	1.27	NO	46.62	0.000	1.02e6	1.02e6	100	0.0	1.00	db

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

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**Compound name: 13C-PCB-182**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.46	NO	46.43	0.000	6.60e5	6.60e5	100	0.0	1.00	bb
200801K1_2	100	0.44	NO	46.43	0.000	7.21e5	7.21e5	100	0.0	1.00	bb
200801K1_3	100	0.46	NO	46.43	0.000	7.29e5	7.29e5	100	0.0	1.00	bb
200801K1_4	100	0.45	NO	46.43	0.000	7.30e5	7.30e5	100	0.0	1.00	bb
200801K1_5	100	0.45	NO	46.43	0.000	8.04e5	8.04e5	100	0.0	1.00	bb
200801K1_6	100	0.45	NO	46.43	0.000	8.32e5	8.32e5	100	0.0	1.00	bb

**Compound name: 13C-PCB-205**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.90	NO	54.98	0.000	8.59e5	8.59e5	100	0.0	1.00	bb
200801K1_2	100	0.89	NO	54.98	0.000	8.91e5	8.91e5	100	0.0	1.00	bb
200801K1_3	100	0.90	NO	54.98	0.000	9.85e5	9.85e5	100	0.0	1.00	bb
200801K1_4	100	0.90	NO	54.98	0.000	8.98e5	8.98e5	100	0.0	1.00	bb
200801K1_5	100	0.90	NO	54.98	0.000	9.37e5	9.37e5	100	0.0	1.00	bb
200801K1_6	100	0.92	NO	54.98	0.000	1.01e6	1.01e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-79**

Response Factor: 1.06893

RRF SD: 0.0167842, Relative SD: 1.57019

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc.	RA	Qty	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200801K1_1	100	0.79	NO	37.78	1.030	1.83e6	1.87e6	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

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

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Compound name: 13C-PCB-79

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_3	100	0.79	NO	37.78	1.030	1.93e6	1.81e6	99.5	-0.5	1.06	bb
200601K1_4	100	0.77	NO	37.78	1.030	1.87e6	1.74e6	101	0.5	1.07	bb
200601K1_5	100	0.79	NO	37.78	1.029	1.98e6	1.89e6	98.0	-2.0	1.05	bb
200601K1_6	100	0.79	NO	37.78	1.029	2.08e6	1.92e6	101	1.0	1.08	bb

Compound name: 13C-PCB-178

Response Factor: 0.768471

RRF SD: 0.0163291, Relative SD: 2.13043

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	0.46	NO	45.87	0.988	8.59e5	8.47e5	101	1.5	0.778	bb
200601K1_2	100	0.45	NO	45.87	0.988	7.18e5	9.25e5	101	1.0	0.774	bb
200601K1_3	100	0.44	NO	45.88	0.988	7.23e5	9.70e5	97.2	-2.8	0.745	bb
200601K1_4	100	0.46	NO	45.88	0.988	7.30e5	9.26e5	103	2.9	0.788	bb
200601K1_5	100	0.44	NO	45.88	0.988	7.54e5	1.00e6	98.3	-1.7	0.754	bb
200601K1_6	100	0.45	NO	45.88	0.988	7.75e5	1.02e6	99.1	-0.9	0.759	bb

Compound name: 13C-PCB-79

Response Factor: 1.06893

RRF SD: 0.0167842, Relative SD: 1.57019

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200601K1_1	100	0.79	NO	37.78	0.988	1.83e6	1.65e6	102	2.5	1.11	bb
200601K1_2	100	0.80	NO	37.78	0.988	1.92e6	1.76e6	101	0.8	1.09	bb
200601K1_3	100	0.79	NO	37.78	0.988	1.93e6	1.80e6	99.0	-1.0	1.07	bb
200601K1_4	100	0.77	NO	37.78	0.988	1.87e6	1.70e6	101	1.4	1.10	bb
200601K1_5	100	0.79	NO	37.78	0.988	1.98e6	1.88e6	97.4	-2.6	1.05	bb
200601K1_6	100	0.79	NO	37.78	0.988	2.08e6	1.94e6	99.0	-1.0	1.07	bb

Dataset: U:\VG11.PROVResults\200801K1\200801K1-CRVB.qld

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Compound name: 13C-PCB-178  
 Response Factor: 0.786471  
 RRF SD: 0.0163291, Relative SD: 2.13043  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Name	Int. Conc.	RA	Int.	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
200801K1_1	100	0.46	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	0.46	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	-5.6	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

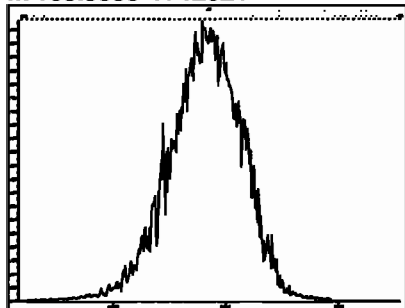
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200601K1_2	ST200601K1-2 PCB 209 CS1 19G2807	01-Jun-20	13:18:19
200601K1_3	ST200601K1-3 PCB 209 CS2 19G2808	01-Jun-20	14:19:00
200601K1_4	ST200601K1-4 PCB 209 CS3 19G2809	01-Jun-20	15:19:46
200601K1_5	ST200601K1-5 PCB 209 CS4 19G2810	01-Jun-20	16:20:32
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



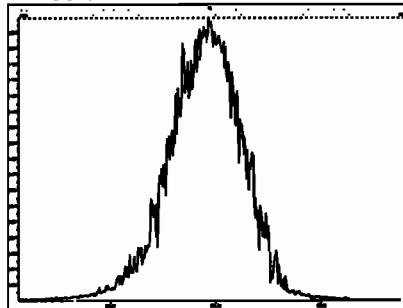
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Printed: Monday, June 01, 2020 12:03:14 Pacific Daylight Time

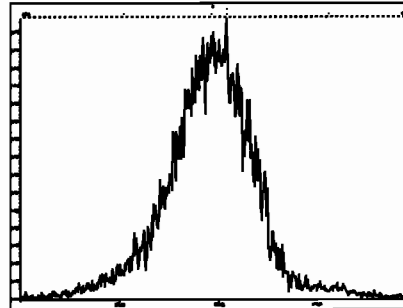
M 168.9888 R 12021



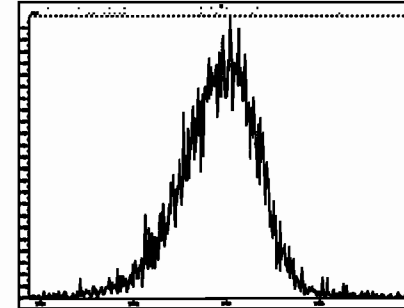
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M 192.9888 R 10041



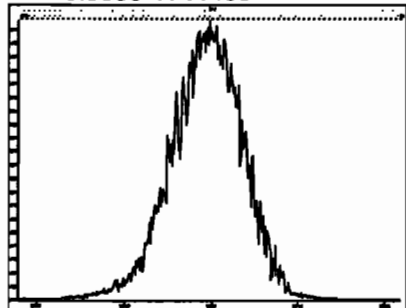
M 204.9888 R 12498



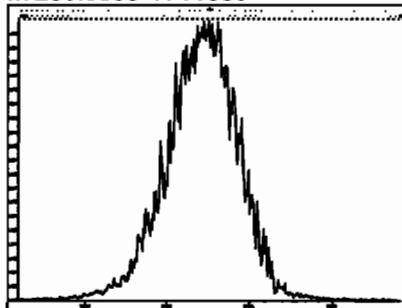
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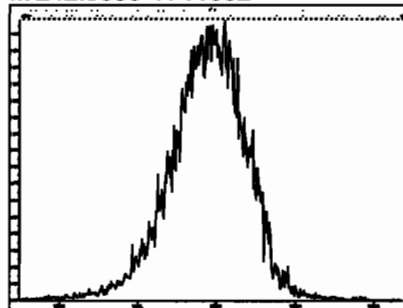
M 218.9856 R 11468



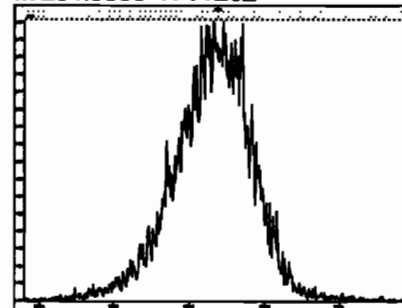
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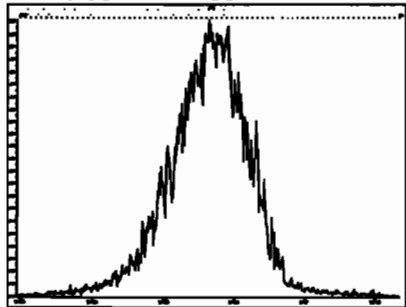
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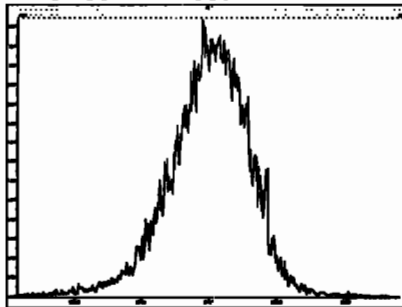
M 254.9856 R 11262



M 268.9824 R 11361

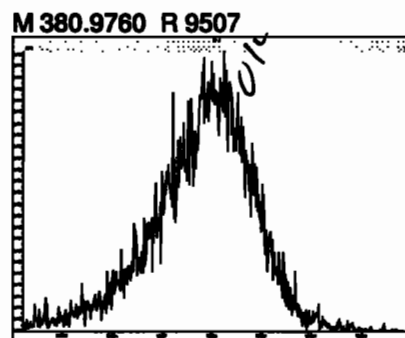
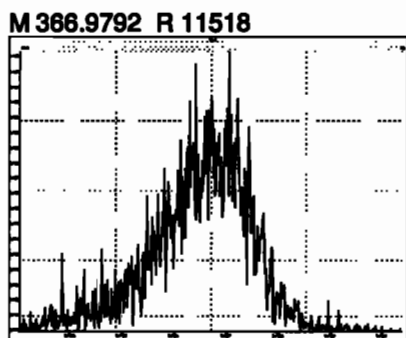
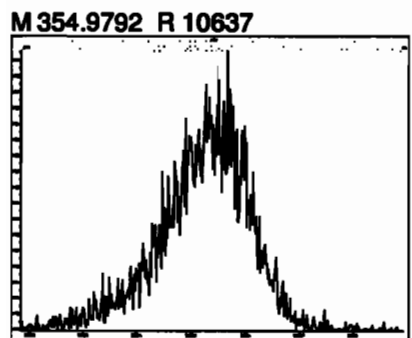
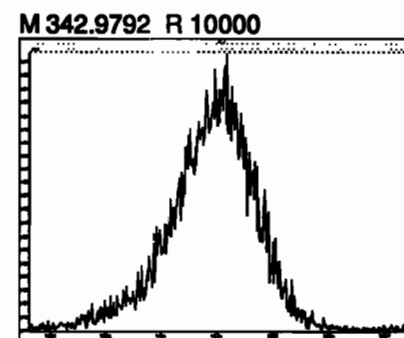
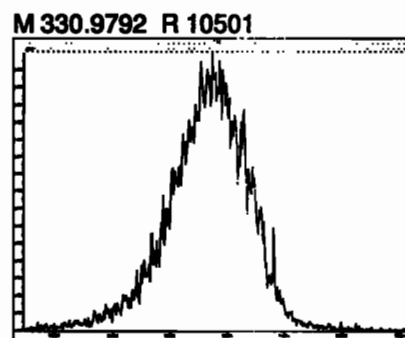
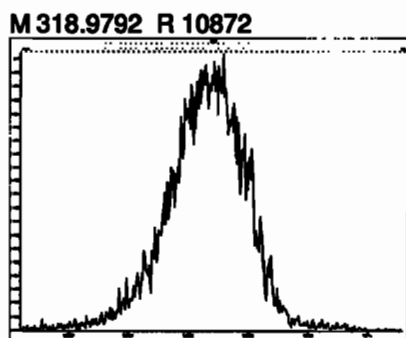
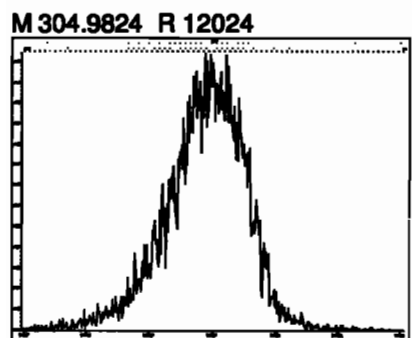
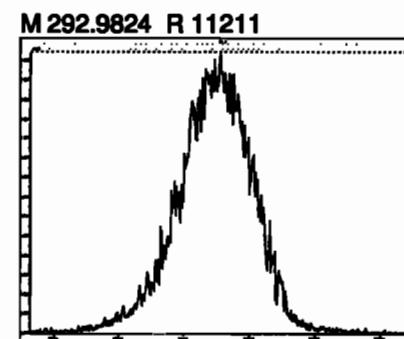
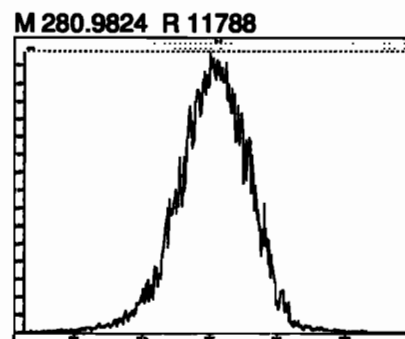
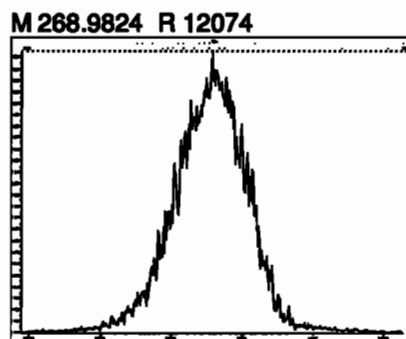
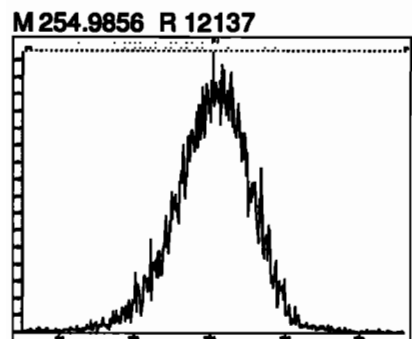


M 280.9824 R 10634



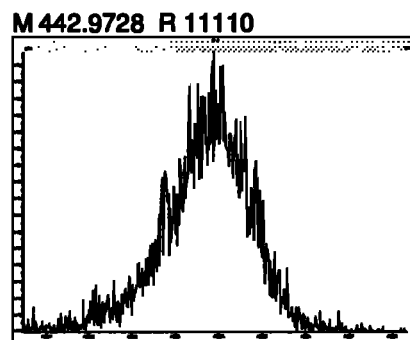
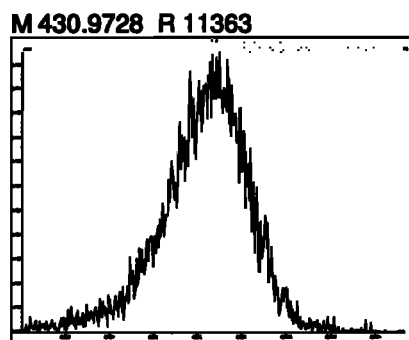
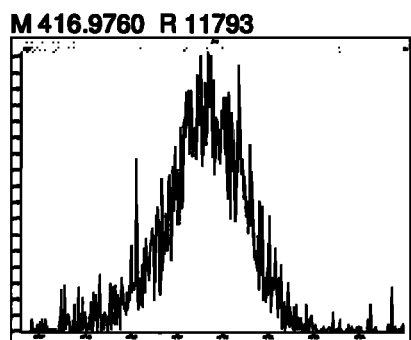
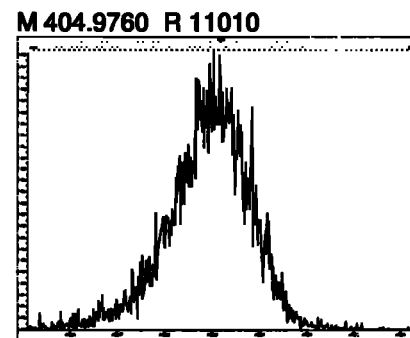
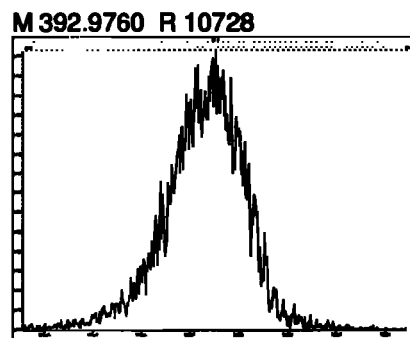
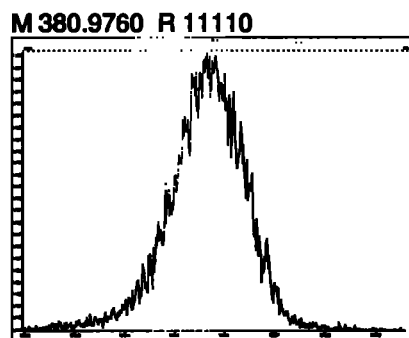
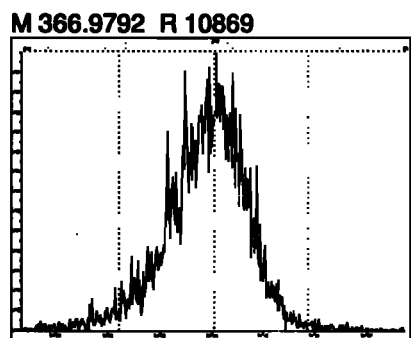
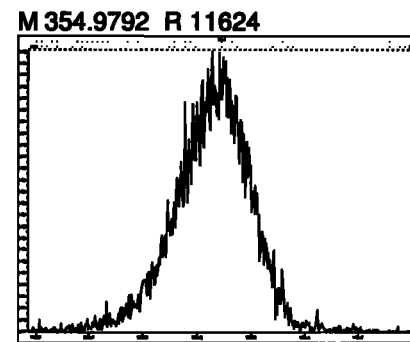
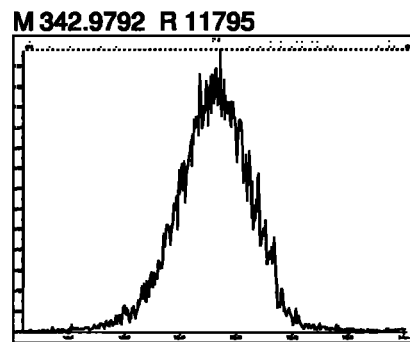
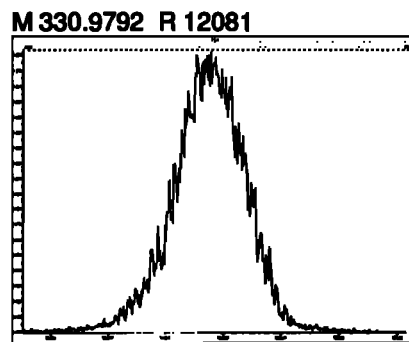
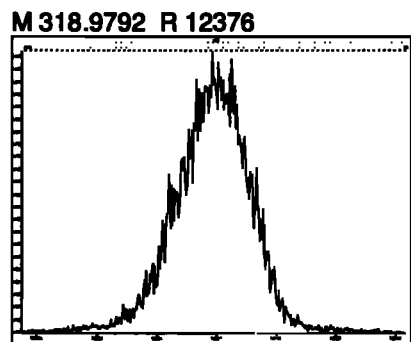
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Printed: Monday, June 01, 2020 12:06:35 Pacific Daylight Time



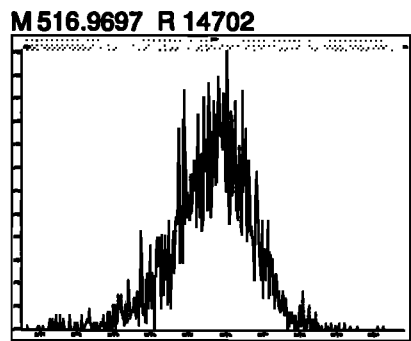
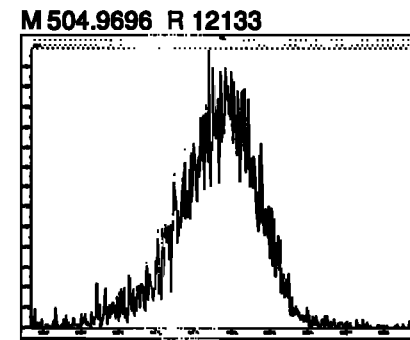
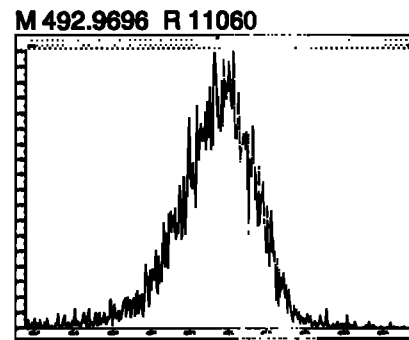
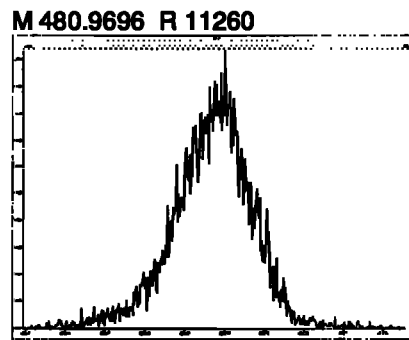
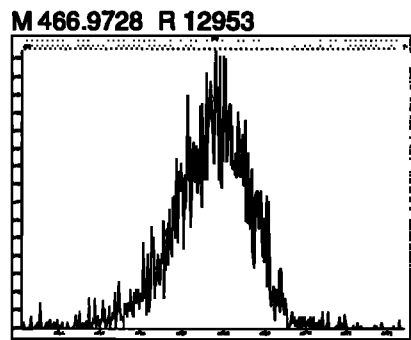
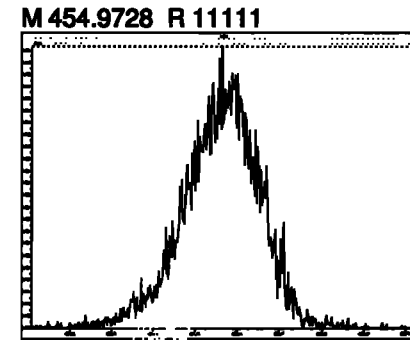
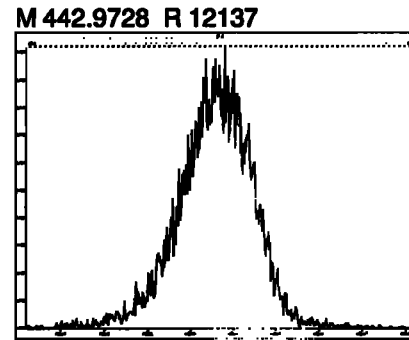
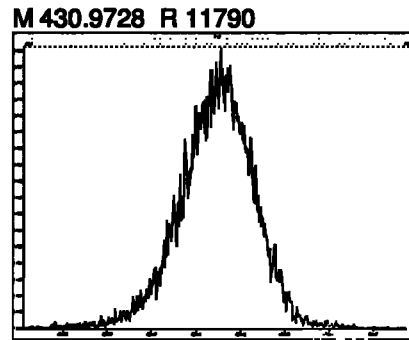
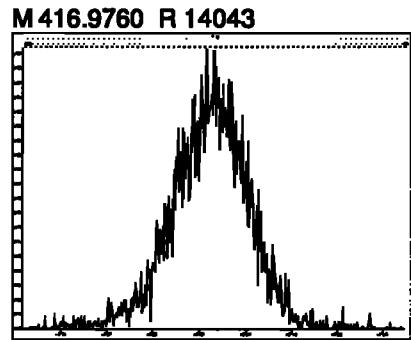
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Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

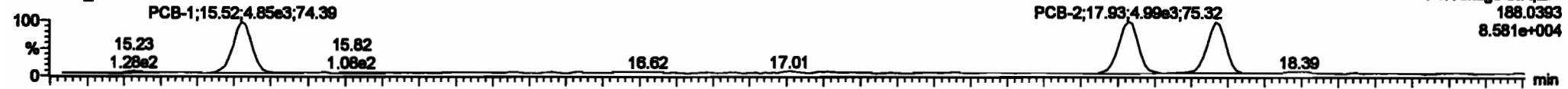
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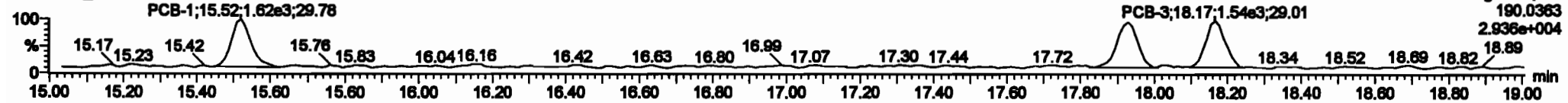
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PCB-1

200601K1\_1



200601K1\_1

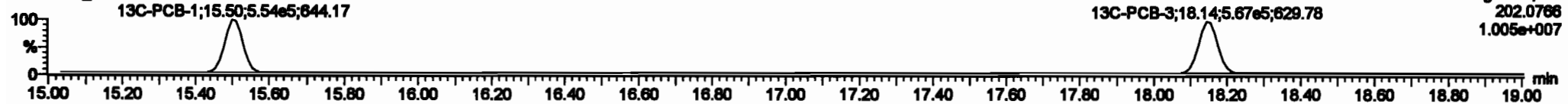


13C-PCB-1

200601K1\_1

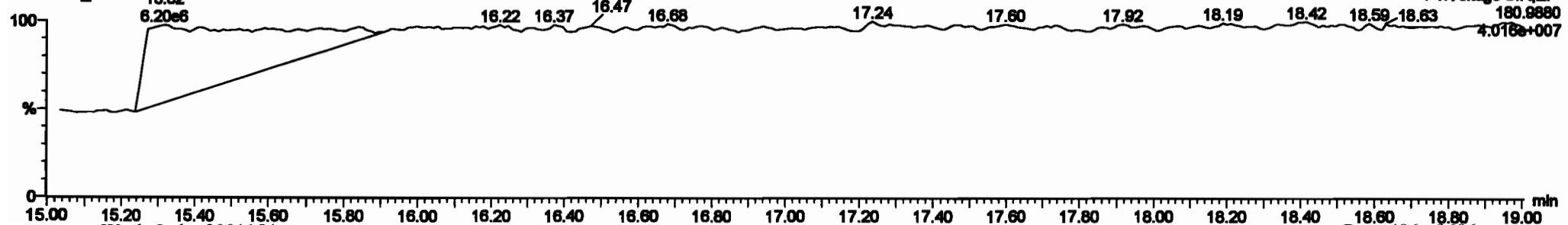


200601K1\_1



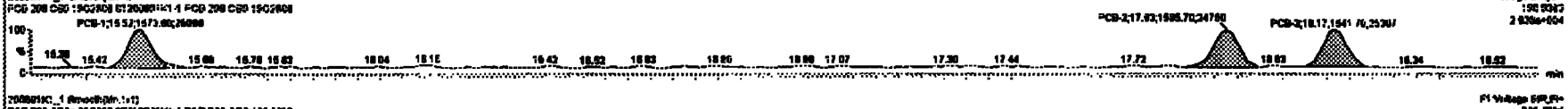
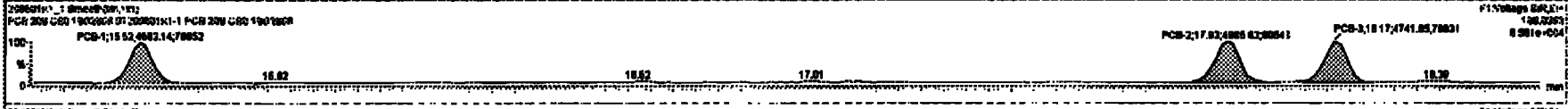
PFK1

200601K1\_1



PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	
216	13C-PCB-40	1.80e4	0.70	NO	1.0000	1.000	30.00	30.00	1.000	0.000	NO	100.0	100	0.0000
216	13C-PCB-411	1.80e4	1.02	NO	1.0000	1.000	30.25	30.25	1.000	0.000	NO	100.0	100	0.0016
217	13C-PCB-139	0.47e6	1.20	NO	1.0000	1.000	40.00	40.00	1.000	0.000	NO	100.0	100	0.0004
218	13C-PCB-102	0.00e0	0.40	NO	1.0000	1.000	40.43	40.43	0.000	0.000	NO	100.0	100	0.0010
218	13C-PCB-205	0.00e0	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	1.80e4	0.70	NO	1.0000	1.000	37.70	37.70	1.000	1.000	NO	102.0	102	0.0007
221	13C-PCB-170	0.00e0	0.40	NO	0.7000	1.000	40.00	40.00	0.000	0.000	NO	101.0	101	0.0000
222	13C-PCB-70	1.80e4	0.70	NO	1.0021	1.000	37.70	37.70	0.000	0.000	NO	102.0	102	0.0000
222	13C-PCB-170	0.00e0	0.40	NO	1.0000	1.000	40.00	40.00	0.000	0.000	NO	101.0	101	0.0002
223	13C-PCB-170	0.00e0	0.40	NO	1.0000	1.000	40.00	40.00	0.000	0.000	NO	101.0	101	0.0002
224	13C-PCB-170	0.00e0	0.40	NO	1.0000	1.000	40.00	40.00	0.000	0.000	NO	101.0	101	0.0002
225	Total PCBs				1.0007	1.000	0.00	0.00	0.000	0.000	NO	2.070	2.070	
226	Total PCBs				1.0007	1.000	0.00	0.00	0.000	0.000	NO	1.000	1.000	

PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB
1	PCB-1	15.02	16.02	4.00e0	1.00e0	5.100	5.10	NO	0.2000	0.2000			
2	PCB-2	17.20	17.00	4.00e0	1.00e0	5.100	5.10	NO	0.20100	0.20077			
3	PCB-3	18.17	18.17	4.70e0	1.00e0	5.100	5.08	NO	0.20700	0.20000			

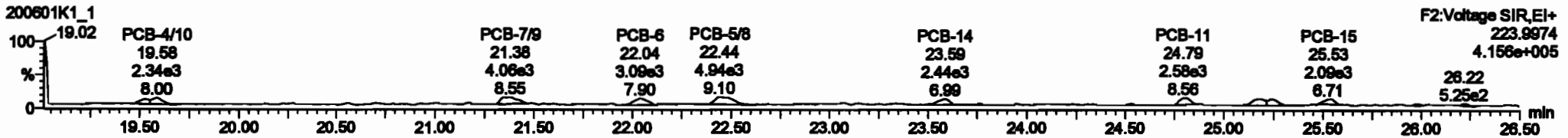
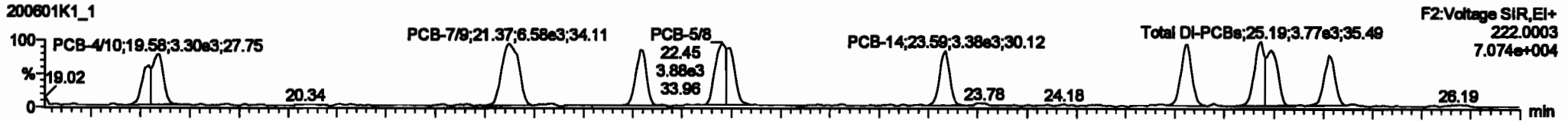


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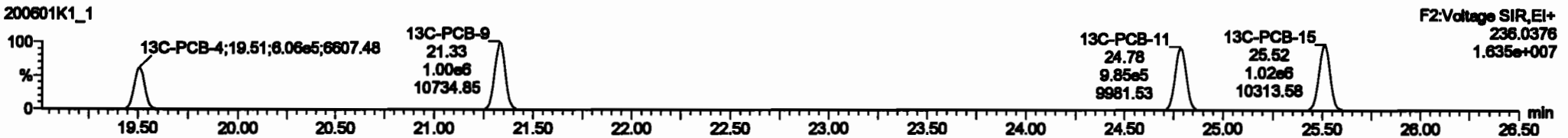
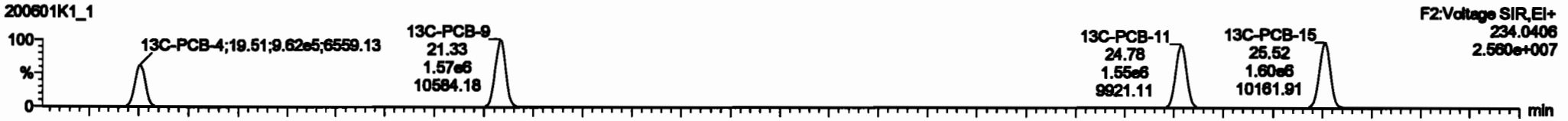
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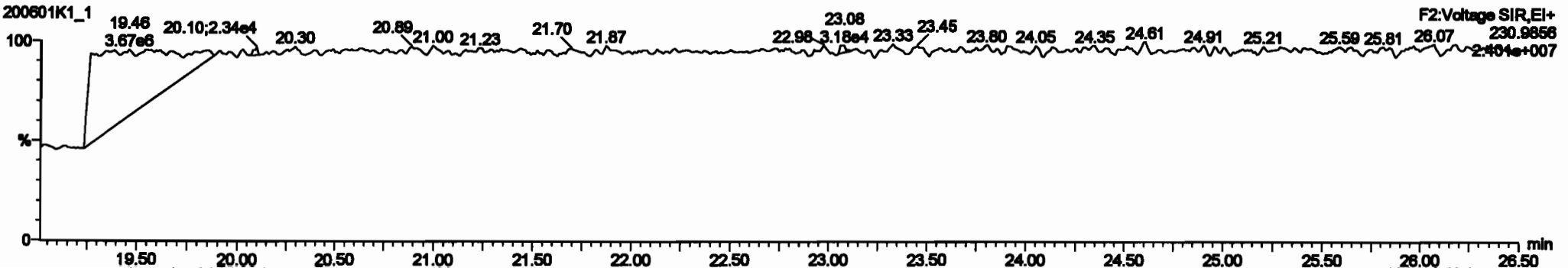
**PCB-4/10**



**13C-PCB-4**



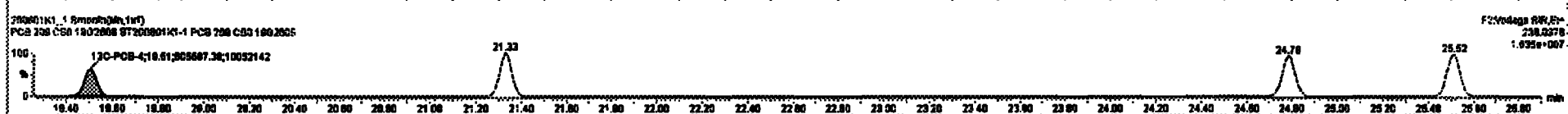
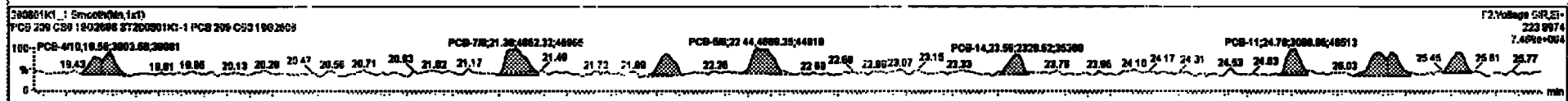
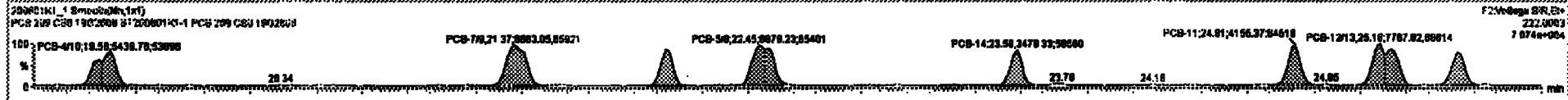
**PFK2a**





PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB
216	13C-PCB-88	1.89e8	0.78	NO	1.0000	1.000	38.88	38.88	1.800	0.000	NO	100.0	100	0.0808	
216	13C-PCB-111	1.89e8	1.82	NO	1.0000	1.000	38.25	38.25	1.800	0.000	NO	100.0	100	0.0915	
217	13C-PCB-128	8.47e8	1.28	NO	1.0000	1.000	48.80	48.80	1.800	0.000	NO	100.0	100	0.0884	
218	13C-PCB-162	8.89e8	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	8.89e8	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	1.89e8	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	8.89e8	0.48	NO	0.7888	1.000	46.87	46.87	0.888	0.888	NO	101.8	101	0.0828	
222	13C-PCB-78	1.89e8	0.78	NO	1.0021	1.000	37.78	37.78	0.998	0.998	NO	102.8	102	0.0888	
223	13C-PCB-178	8.89e8	0.48	NO	1.0028	1.000	46.87	46.87	0.923	0.923	NO	101.8	102	0.0823	
224	Total Micro-PCBs				1.5885	1.000	0.00	0.00			NO	0.8832		0.0348	0.8830
225	Total Macro-PCBs				1.8987	1.000	0.00	0.00			NO	1.838		0.404	1.838

PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB
4	PCB-410	18.88	18.88	5.44e3	1.80e3	1.800	1.38	NO	0.47700	0.47744					
5	PCB-78	21.38	21.37	8.88e3	4.88e3	1.800	1.37	NO	0.48700	0.48883					
6	PCB-9	22.88	22.84	3.78e3	2.78e3	1.800	1.28	NO	0.24880	0.24823					
7	PCB-58	22.44	22.45	8.87e3	4.88e3	1.800	1.47	NO	0.48200	0.48347					
8	PCB-14	23.88	23.88	3.47e3	2.32e3	1.800	1.48	NO	0.22880	0.22843					
9	PCB-11	24.88	24.81	4.18e3	3.08e3	1.800	1.34	NO	0.28480	0.28438					
10	PCB-128	28.28	28.18	7.78e3	6.78e3	1.800	1.38	NO	0.81880	0.81880					
11	PCB-15	28.84	28.83	3.82e3	2.81e3	1.800	1.48	NO	0.23100	0.23088					

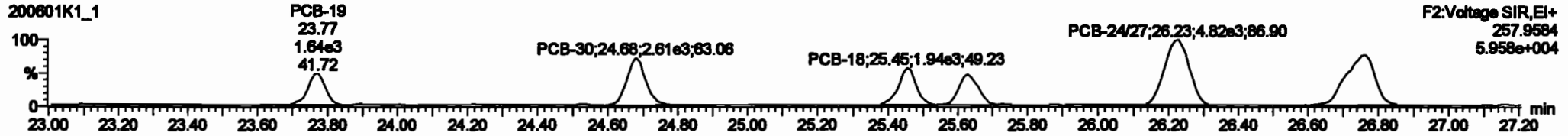
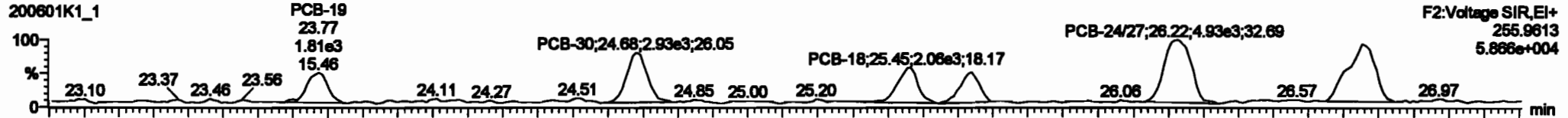


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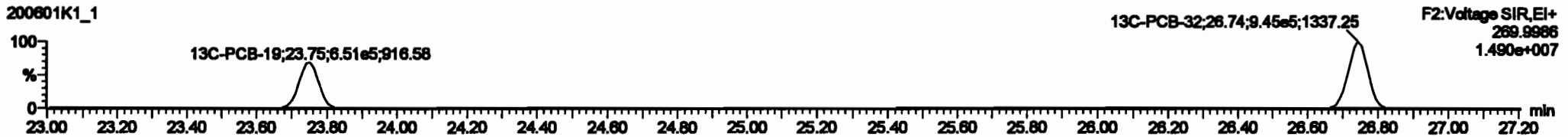
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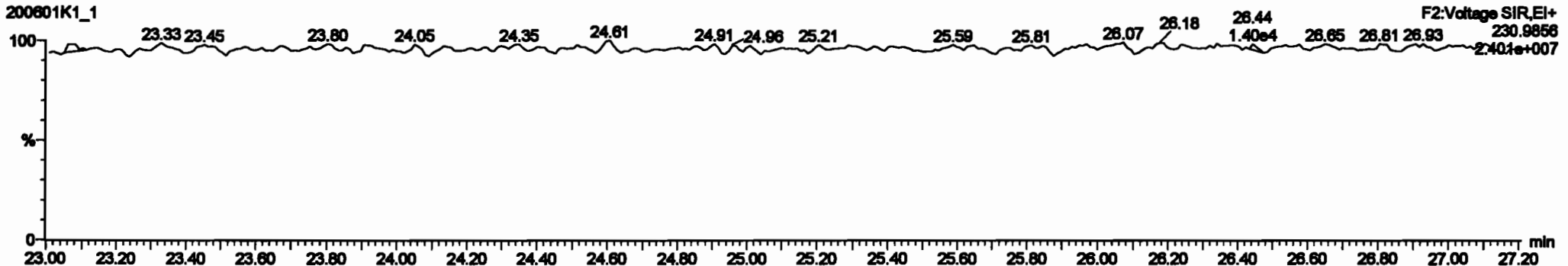
**PCB-19**



**13C-PCB-19**

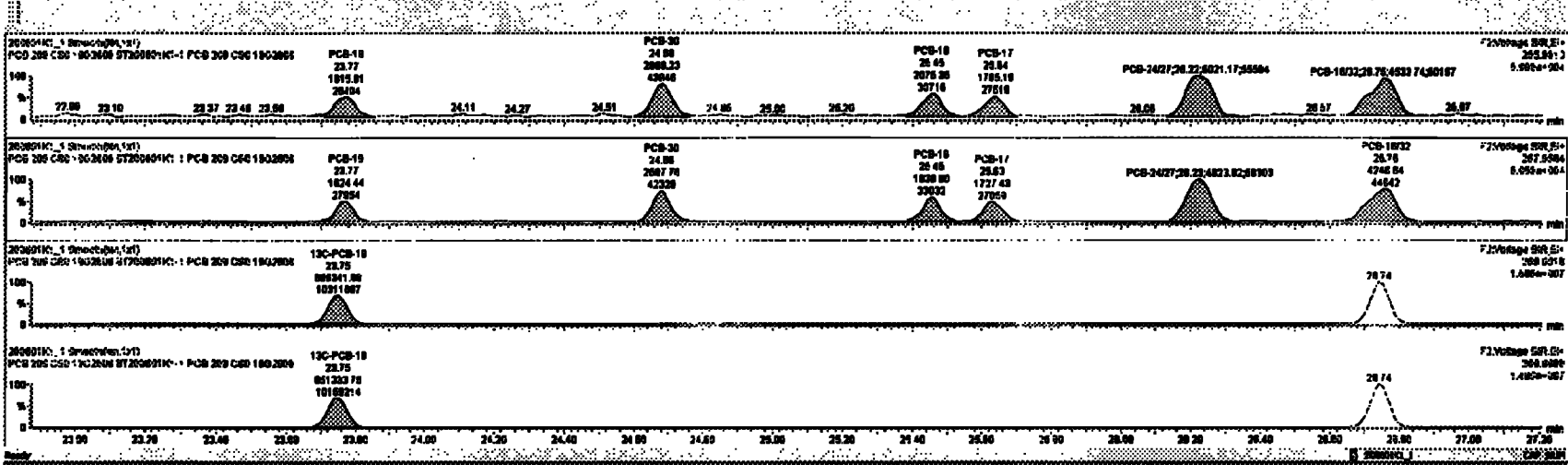


**PFK2b**



PCB	Conc	Unit	Method	Lab	Lot	Exp	Lot	Exp	Lot	Exp	Lot	Exp	Lot	Exp	Lot	Exp	Lot	Exp	Lot	Exp
216	13C-PCB-09	1.07ug	0.70	ND	1.0000	1.000	20.00	20.00	1.000	0.000	ND	100.0	100	0.0000						
216	13C-PCB-111	1.07ug	1.07	ND	1.0000	1.000	20.25	20.25	1.000	0.000	ND	100.0	100	0.0016						
217	13C-PCB-128	0.07ug	1.20	ND	1.0000	1.000	40.00	40.00	1.000	0.000	ND	100.0	100	0.0004						
216	13C-PCB-167	0.00ug	0.40	ND	1.0000	1.000	40.40	40.40	0.000	0.000	ND	100.0	100	0.0010						
216	13C-PCB-205	0.00ug	0.00	ND	1.0000	1.000	04.00	04.00	1.000	0.000	ND	100.0	100	0.140						
200	13C-PCB-70	1.00ug	0.70	ND	1.0000	1.000	27.70	27.70	1.000	1.000	ND	100.0	100	0.0007						
201	13C-PCB-170	0.00ug	0.40	ND	0.7000	1.000	40.40	40.40	0.000	0.000	ND	100.0	100	0.0000						
200	13C-PCB-70	1.00ug	0.70	ND	1.0000	1.000	27.70	27.70	0.000	0.000	ND	100.0	100	0.0000						
200	13C-PCB-170	0.00ug	0.40	ND	1.0000	1.000	40.40	40.40	0.000	0.000	ND	100.0	100	0.0000						
200	Total Mono-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	ND	0.0000		0.0040						0.0000
200	Total Di-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	ND	2.0000		0.370						0.0000
200	Total Tri-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	ND	0.0000		0.0000						0.0000

PCB	Conc	Unit	Method	Lab	Lot	Exp	Lot	Exp	Lot	Exp	Lot	Exp	Lot	Exp	Lot	Exp	Lot	Exp	Lot	Exp
13	PCB-10	20.70	20.77	1.00ug	1.00ug	1.000	1.12	ND	0.2000	0.2000										
13	PCB-30	24.00	24.00	2.00ug	2.00ug	1.000	1.15	ND	0.2000	0.2000										
14	PCB-10	20.40	20.40	2.00ug	1.00ug	1.000	1.07	ND	0.2000	0.2000										
15	PCB-17	20.00	20.00	1.70ug	1.70ug	1.000	1.06	ND	0.2000	0.2000										
16	PCB-247	20.20	20.22	5.00ug	4.00ug	1.000	1.01	ND	0.0700	0.0700										
17	PCB-100	20.70	20.70	4.00ug	4.00ug	1.000	1.07	ND	0.0000	0.0000										

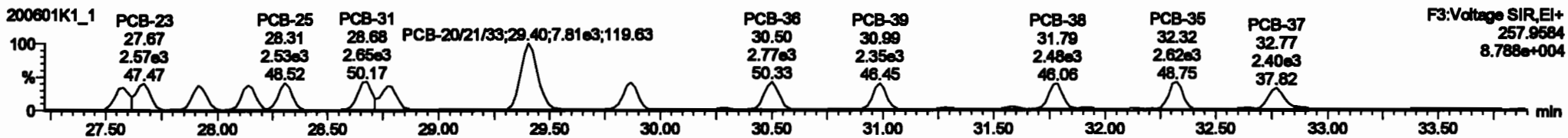
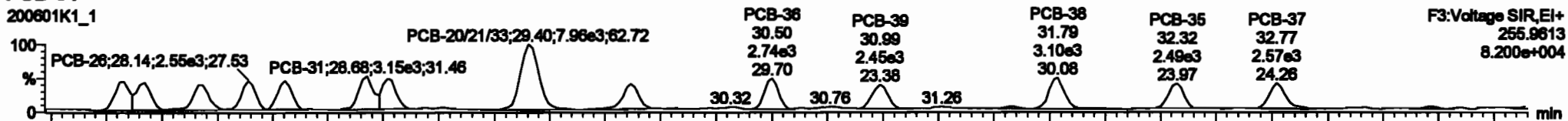


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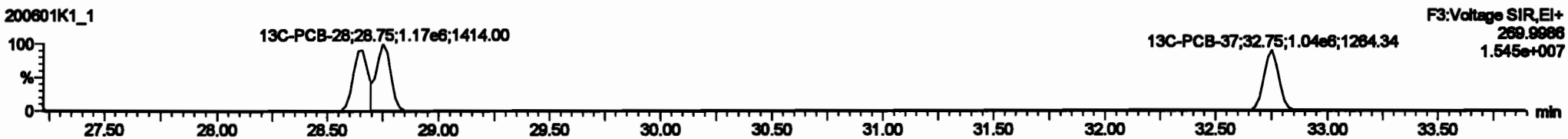
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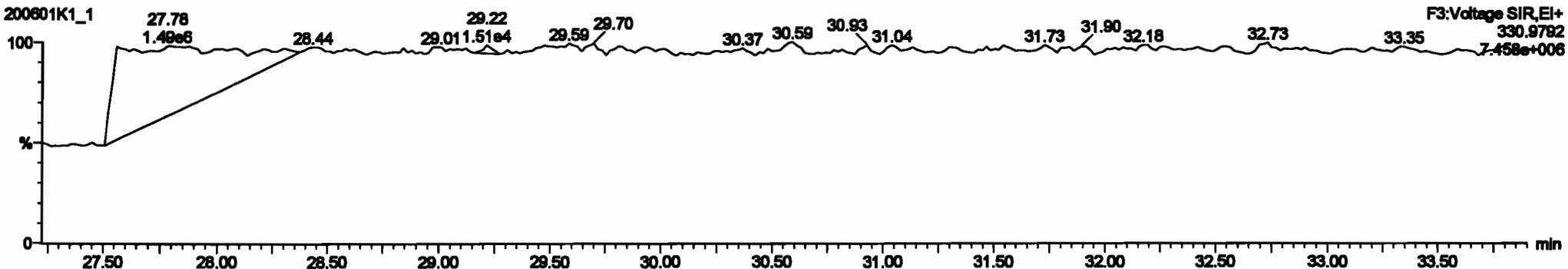
**PCB-34**



**13C-PCB-28**

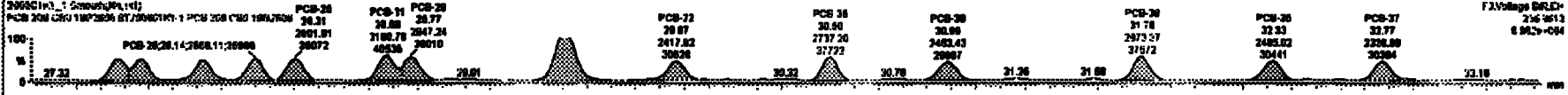


**PFK3d**



PCB	PCB No.	PCB Name	PCB Type	PCB Status	PCB Date	PCB Time	PCB User	PCB Location	PCB Description			
228	228	Total Total-PCBs			1.0770	1.000	0.00	0.000	NO	0.017	0.267	0.917
229	229	2nd Function Ports-PCBs			1.2157	1.000	0.00	0.000	NO	0.000	0.310	0.000
230	230	4th Function Ports-PCBs			1.0725	1.000	0.00	0.000	NO	1.140	0.000	1.140
231	231	2nd Function Hubs-PCBs			0.0000	1.000	0.00	0.000	NO	3.400	0.000	3.400
232	232	4th Function Hubs-PCBs			1.0010	1.000	0.00	0.000	NO	0.00	0.000	0.00
233	233	Total Hubs-PCBs			1.0010	1.000	0.00	0.000	NO	0.00	0.000	0.00
234	234	4th Function Data-PCBs			1.0000	1.000	0.00	0.000	NO	2.100	0.0714	2.100
235	235	2nd Function Data-PCBs			1.1400	1.000	0.00	0.000	NO	0.7210	0.0000	0.7210
236	236	Total Data-PCBs			0.0000	1.000	0.00	0.000	NO	0.7101	0.0000	0.7101
237	237	Total PCBs			0.0004	1.000	0.00	0.000	NO	0.2300	0.0000	0.2300
238	238	Total PCBs										

PCB	PCB No.	PCB Name	PCB Type	PCB Status	PCB Date	PCB Time	PCB User	PCB Location	PCB Description				
18	18	PCB-24			27.88	27.88	2.0200	2.2000	1.000	1.14	NO	0.2100	0.2100
19	19	PCB-29			27.88	27.87	2.0140	2.0140	1.000	1.00	NO	0.2400	0.2400
20	20	PCB-26			27.81	27.81	2.0000	2.0000	1.000	1.11	NO	0.2000	0.2000
21	21	PCB-28			28.14	28.14	2.0000	2.0000	1.000	1.00	NO	0.2000	0.2000
22	22	PCB-25			28.20	28.20	2.0000	2.0000	1.000	1.13	NO	0.2000	0.2000
23	23	PCB-31			28.00	28.00	2.0000	2.0000	1.000	1.10	NO	0.2000	0.2000
24	24	PCB-28			28.77	28.77	2.0000	2.0000	1.000	1.17	NO	0.2100	0.2100
25	25	PCB-28/28			28.41	28.41	2.0000	2.0000	1.000	1.00	NO	0.0000	0.0000
26	26	PCB-29			28.00	28.00	2.0000	2.0000	1.000	0.01	NO	0.2100	0.2100

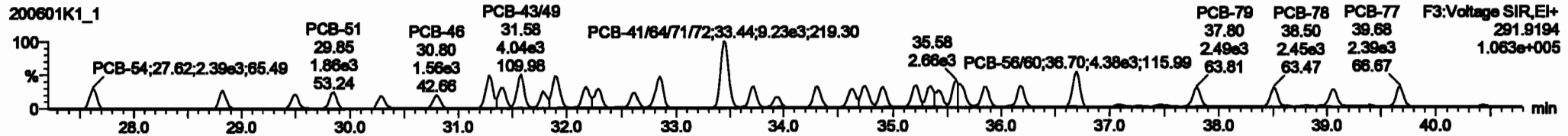
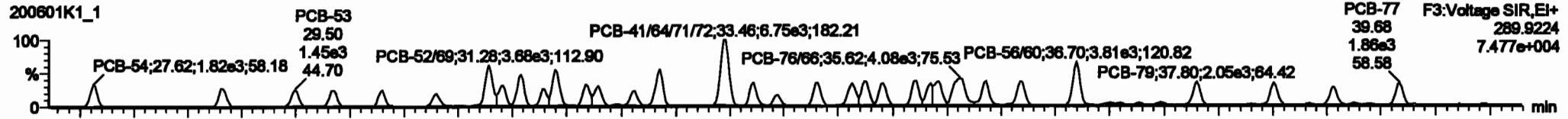


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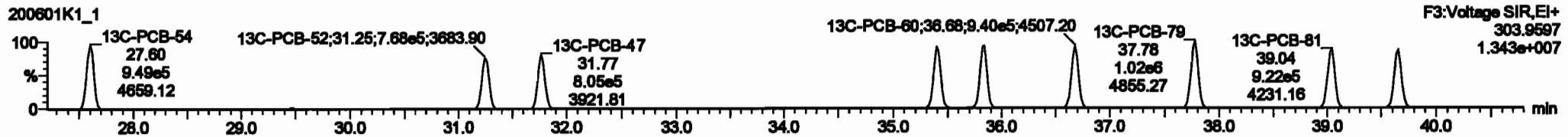
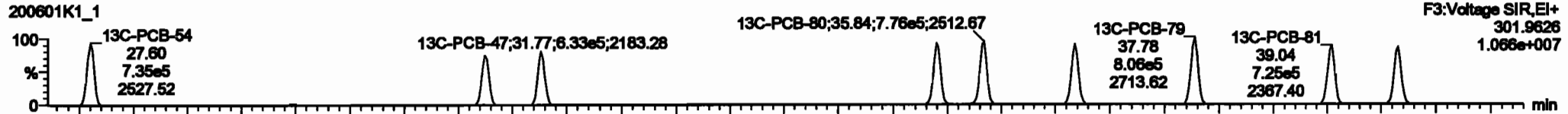
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Name: 200601K1\_1, Date: 01-Jun-2020, Time: 12:15:03, ID: ST200601K1-1 PCB 209 CS0 19G2606, Description: PCB 209 CS0 19G2606

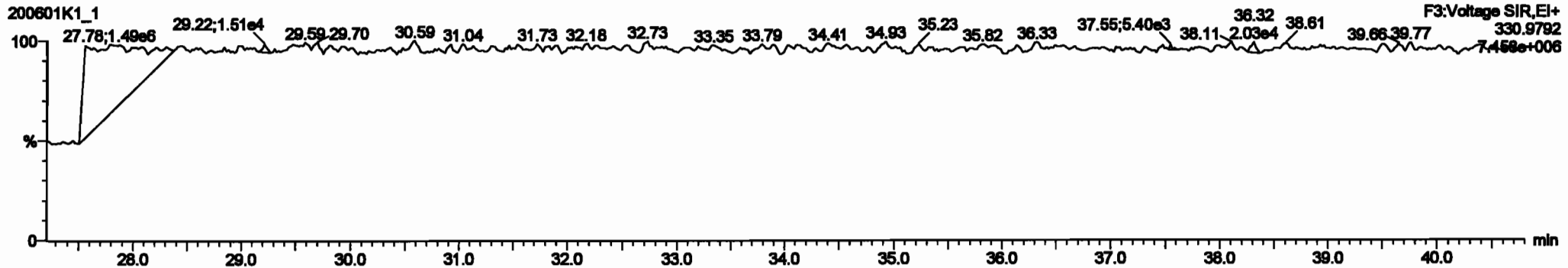
**PCB-54**



**13C-PCB-54**



**PFK3a**



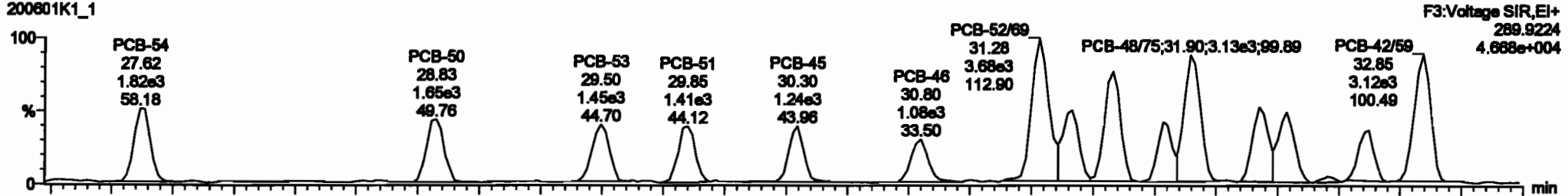
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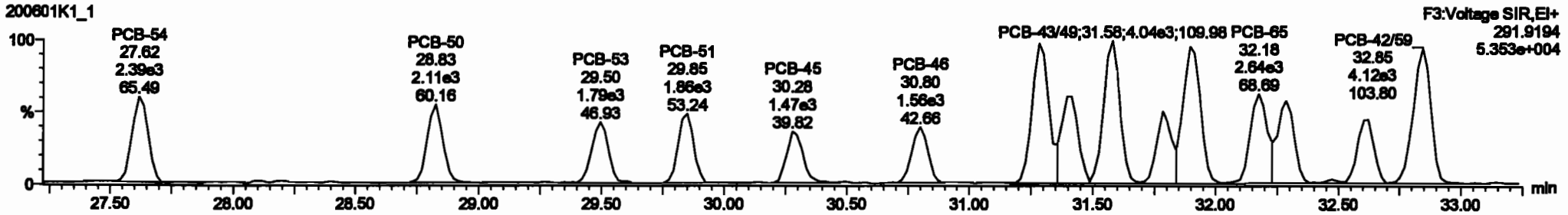
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PCB-50

200601K1\_1

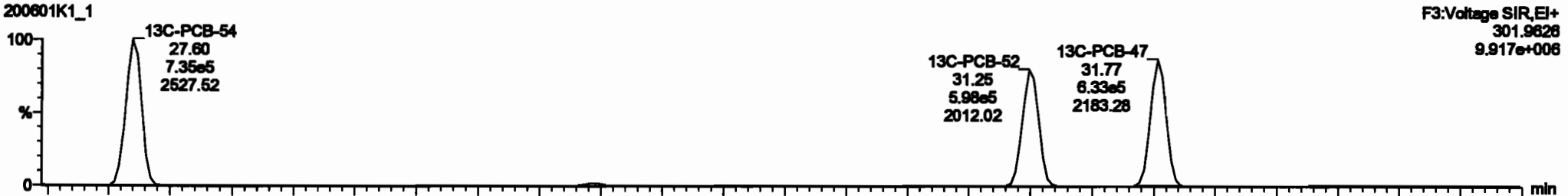


200601K1\_1

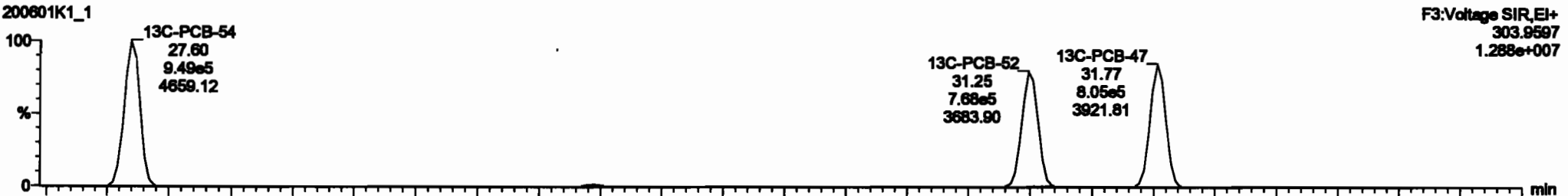


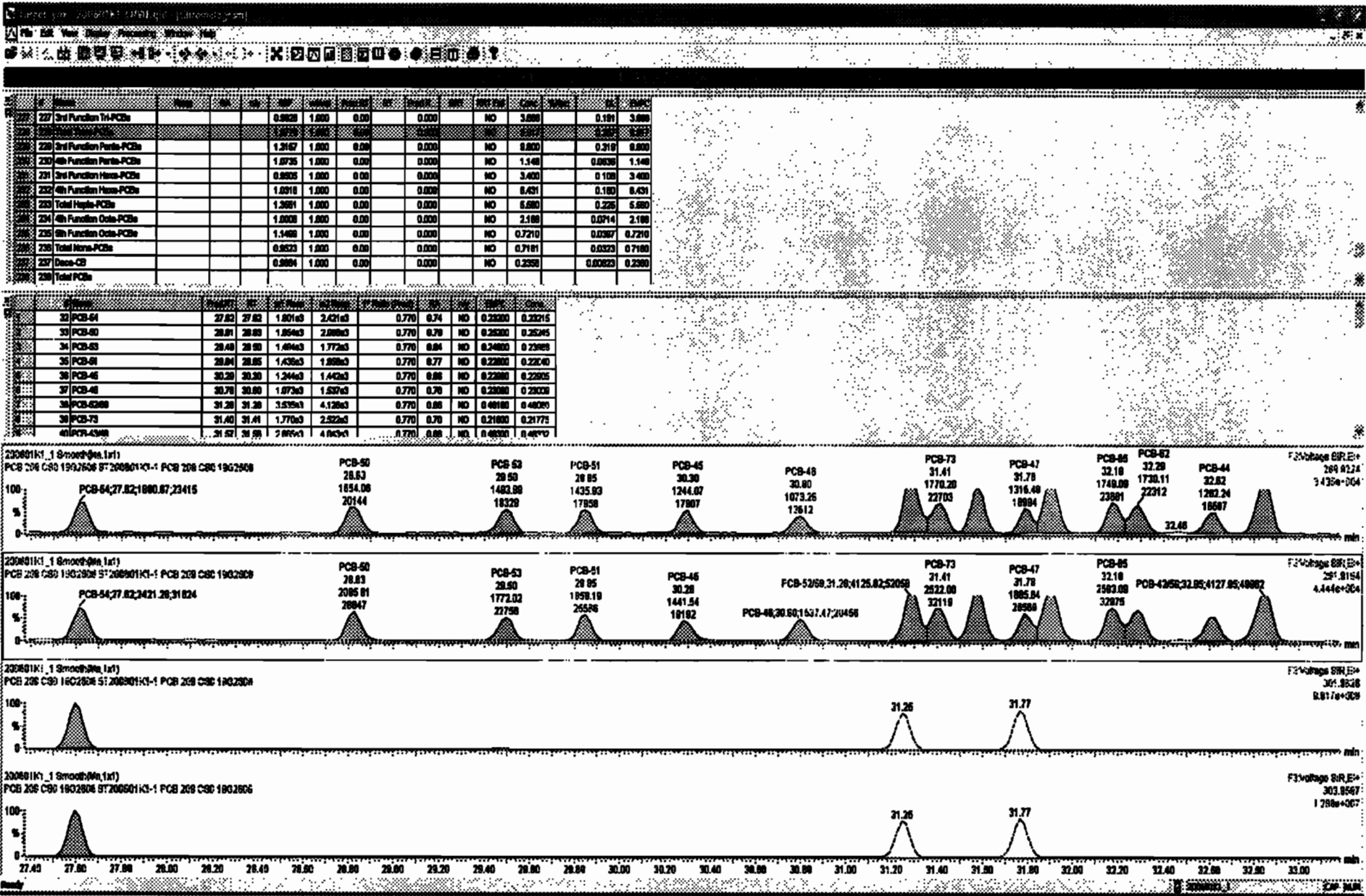
13C-PCB-52

200601K1\_1



200601K1\_1





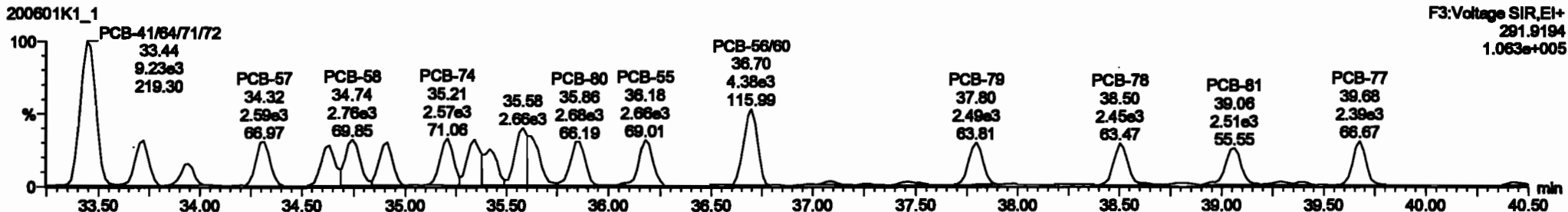
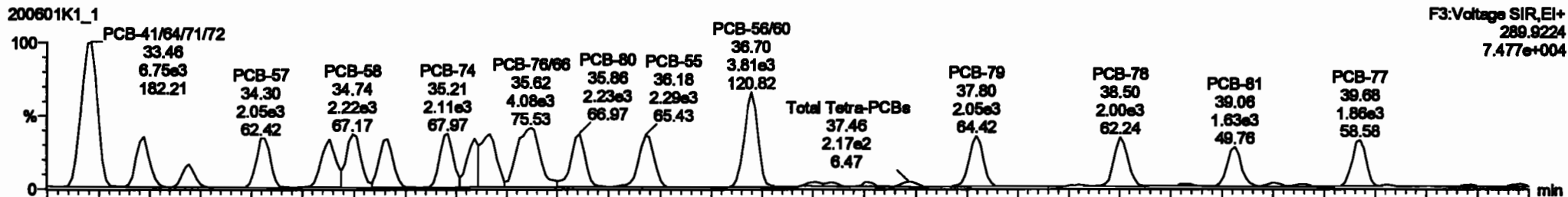


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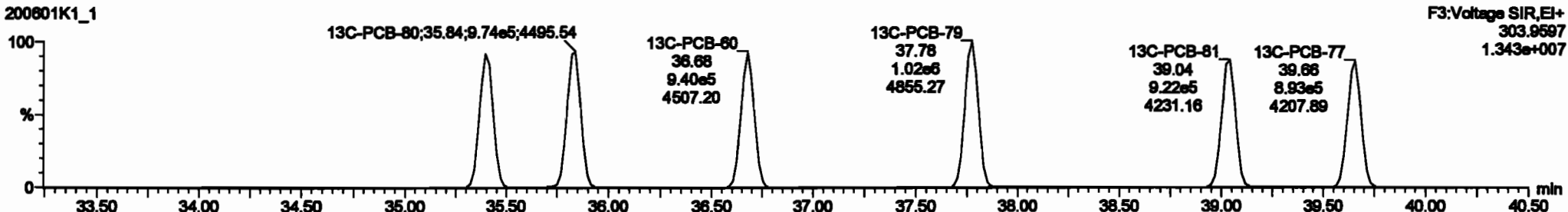
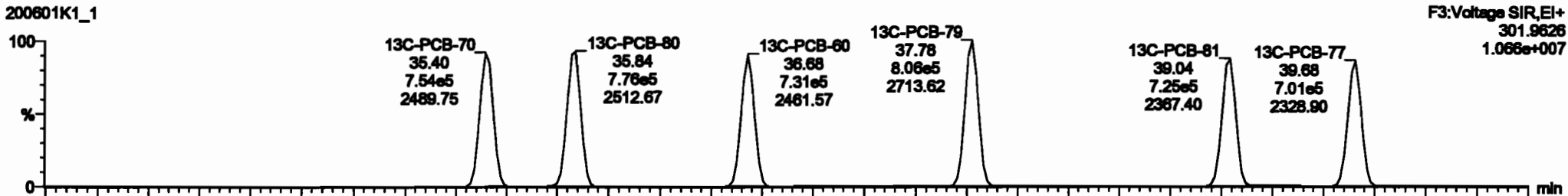
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**PCB-68**

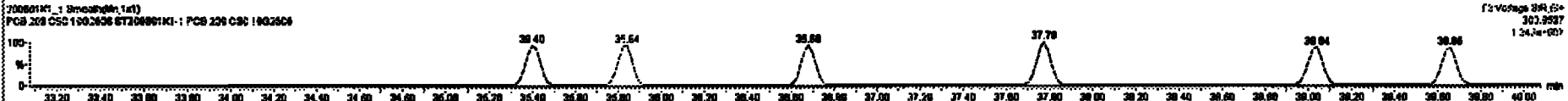
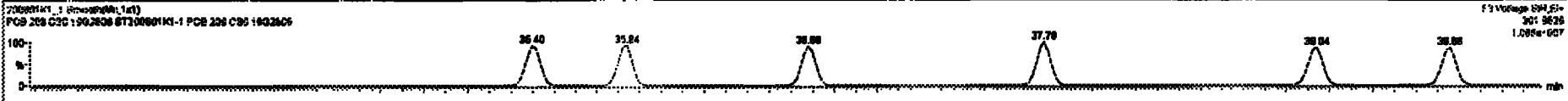
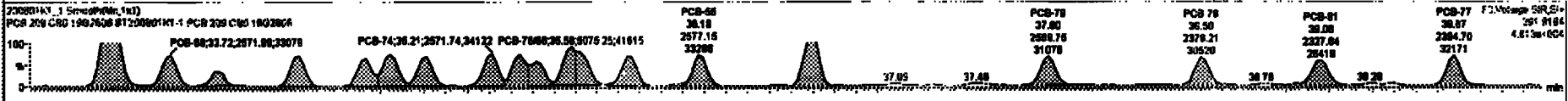
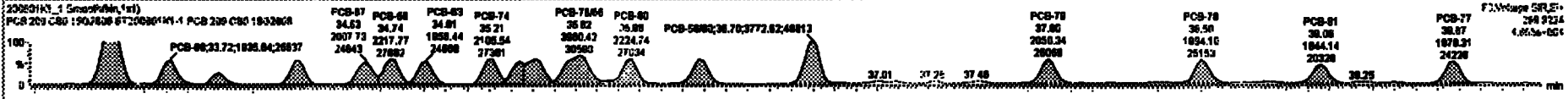


**13C-PCB-60**



ID	Name	Area	Height	Width	Retention	Resolution	Signal	Integration	Area	Height	Width
227	2nd Function 1M-PCBs	0.000	1.000	0.00	0.000	NO	0.000	0.000	0.181	1.000	0.00
228	2nd Function Para-PCBs	1.2167	1.000	0.00	0.000	NO	0.000	0.313	0.800	0.00	
229	4th Function Para-PCBs	1.0726	1.000	0.00	0.000	NO	1.540	0.000	1.140	0.00	
230	2nd Function Meta-PCBs	0.0000	1.000	0.00	0.000	NO	3.400	0.100	3.400	0.00	
231	4th Function Meta-PCBs	1.0310	1.000	0.00	0.000	NO	0.421	0.100	0.421	0.00	
232	Total High-PCBs	1.2081	1.000	0.00	0.000	NO	0.000	0.220	0.000	0.00	
233	4th Function Oxo-PCBs	1.0000	1.000	0.00	0.000	NO	2.900	0.074	2.100	0.00	
234	2nd Function Oxo-PCBs	1.1400	1.000	0.00	0.000	NO	0.720	0.037	0.720	0.00	
235	Total Meta-PCBs	0.0000	1.000	0.00	0.000	NO	0.710	0.023	0.710	0.00	
236	Dioxin-CB	0.0004	1.000	0.00	0.000	NO	0.200	0.002	0.200	0.00	
237	Total PCBs										

ID	Name	Area	Height	Width	Retention	Resolution	Signal	Integration	Area	Height	Width
32	PCB-84	27.02	27.02	1.00e0	2.421e0	0.770	0.24	NO	0.2320	0.23218	
33	PCB-85	28.01	28.03	1.00e0	2.000e0	0.770	0.29	NO	0.2020	0.20240	
34	PCB-86	28.40	28.50	1.00e0	1.772e0	0.770	0.34	NO	0.2400	0.23000	
35	PCB-87	28.84	28.88	1.00e0	1.000e0	0.770	0.27	NO	0.2200	0.22040	
36	PCB-46	30.20	30.30	1.24e0	1.442e0	0.770	0.08	NO	0.2200	0.22000	
37	PCB-48	30.70	30.80	1.07e0	1.000e0	0.770	0.20	NO	0.2000	0.20000	
38	PCB-62/68	31.20	31.28	3.00e0	4.120e0	0.770	0.08	NO	0.4000	0.40000	
39	PCB-70	31.40	31.41	1.77e0	2.000e0	0.770	0.20	NO	0.2100	0.21775	
40	PCB-43/49	31.87	31.88	2.00e0	4.000e0	0.770	0.09	NO	0.4000	0.40000	

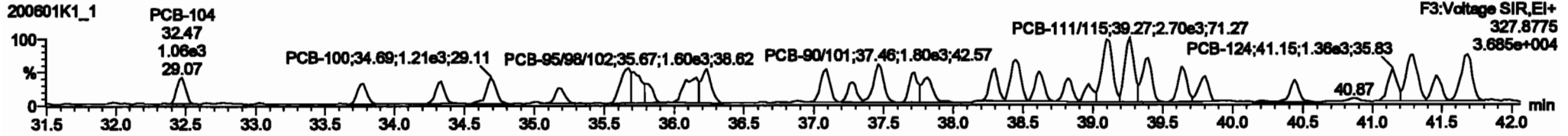
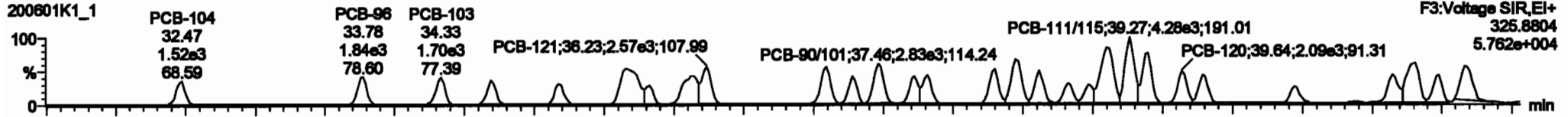


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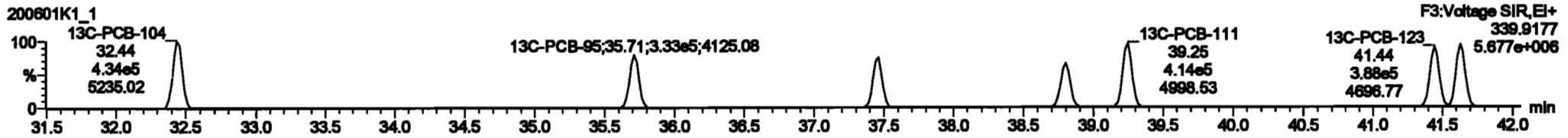
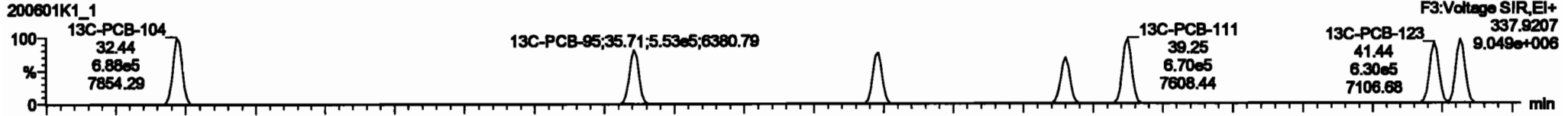
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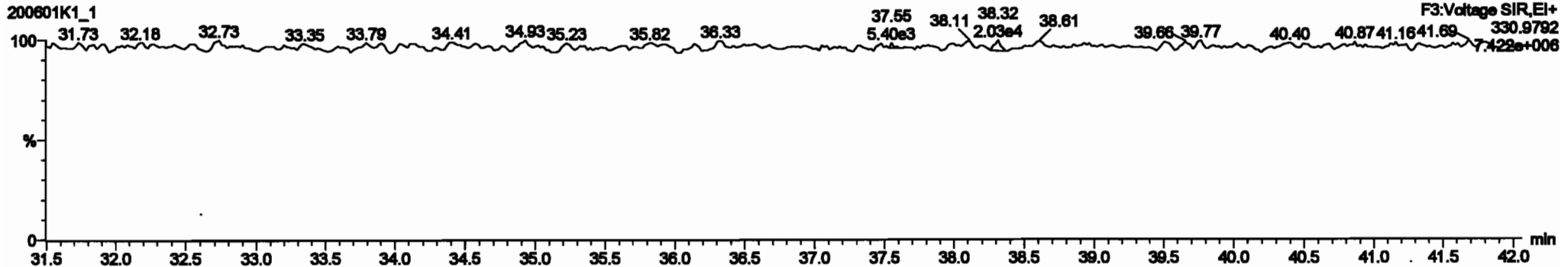
**PCB-104**



**13C-PCB-104**



**PFK3b**

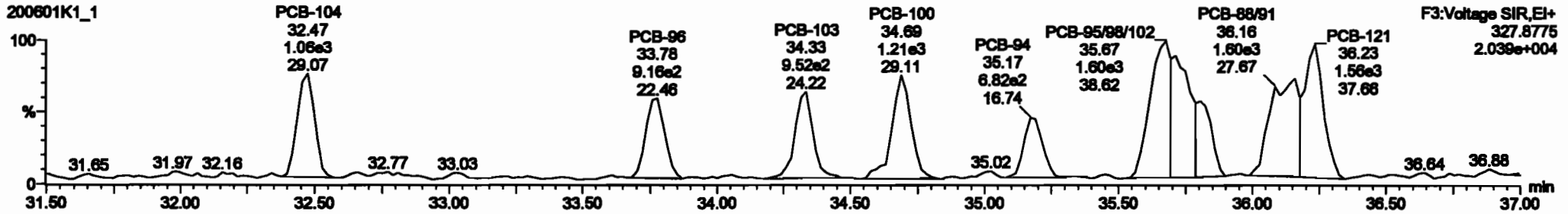
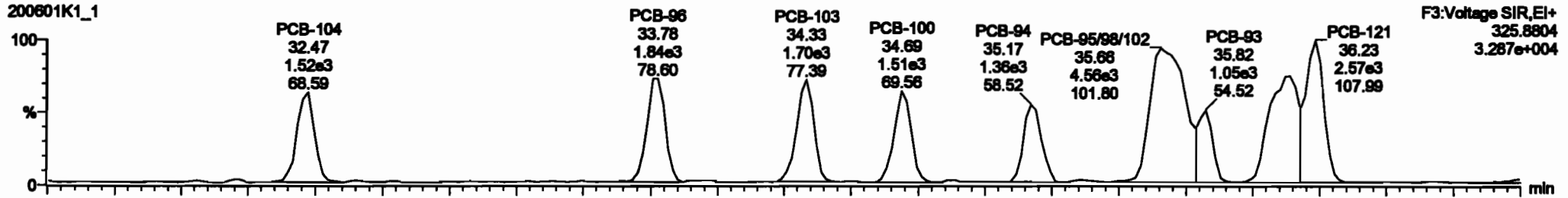


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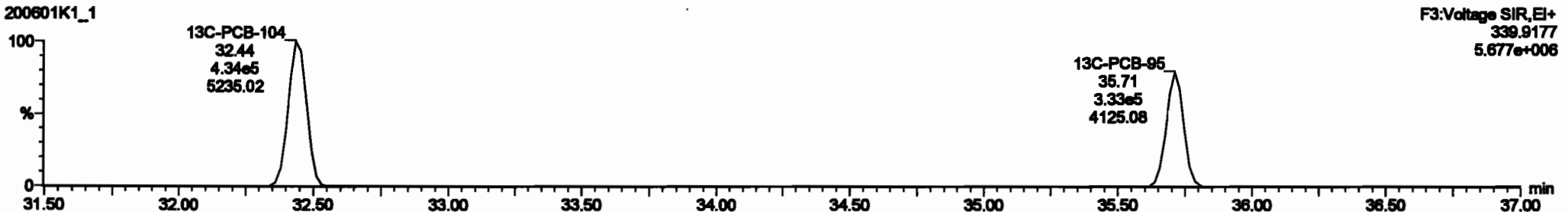
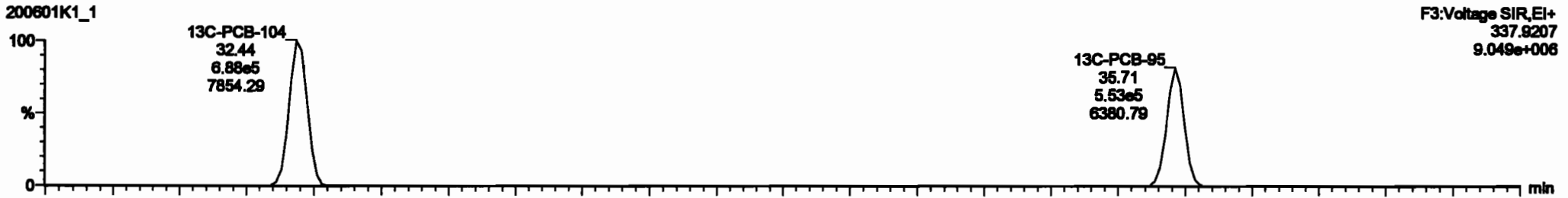
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PCB-96

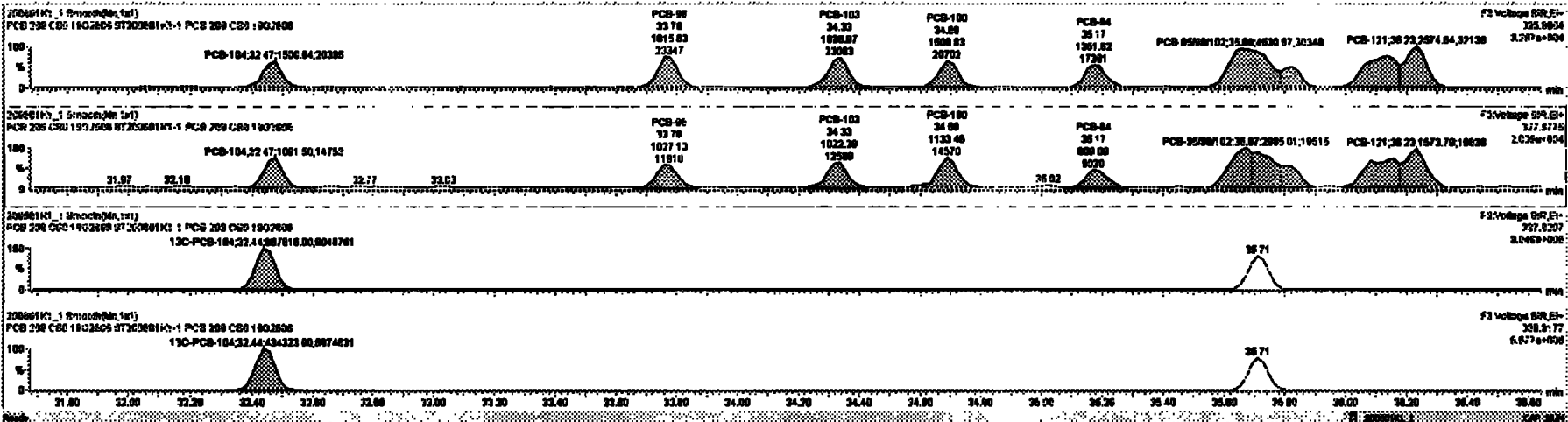


13C-PCB-95



Item	Mass	Area	Conc	Unit	Mass	Area	Conc	Unit	Mass	Area	Conc	Unit	
227 2nd Function TAPCds					0.000	1.000	0.00		0.000	NO	3.680	0.591	3.680
228 Total TAPCds					1.0776	1.000	0.00		0.000	NO	0.917	0.287	0.917
229 4th Function Para-PCBs					1.0726	1.000	0.00		0.000	NO	1.148	0.258	1.148
230 2nd Function Meta-PCBs					0.0000	1.000	0.00		0.000	NO	3.600	0.108	3.600
231 4th Function Meta-PCBs					1.0318	1.000	0.00		0.000	NO	0.401	0.180	0.401
232 Total Meta-PCBs					1.0391	1.000	0.00		0.000	NO	0.680	0.225	0.680
233 4th Function Otho-PCBs					1.0000	1.000	0.00		0.000	NO	2.188	0.074	2.188
234 8th Function Otho-PCBs					1.1480	1.000	0.00		0.000	NO	0.7210	0.087	0.7210
235 Total Otho-PCBs					0.0000	1.000	0.00		0.000	NO	0.2181	0.003	0.2181
236 Dioxin-Cd					0.0000	1.000	0.00		0.000	NO	0.2088	0.000	0.2088
237 Total PCBs													

Item	Peak #	RT	Area	Conc	Unit	Mass	Area	Conc	Unit
04 PCB-104	32.48	32.47	1.001e3	1.001e3	1.000	1.37	NO	0.20800	0.20800
05 PCB-99	32.76	32.76	1.071e3	1.071e3	1.000	1.77	NO	0.22000	0.21957
06 PCB-103	34.30	34.30	1.099e3	1.099e3	1.000	1.88	NO	0.28800	0.28877
07 PCB-100	34.87	34.88	1.089e3	1.130e3	1.000	1.33	NO	0.24900	0.24876
08 PCB-84	35.18	35.17	1.382e3	0.001e3	1.000	1.87	NO	0.28700	0.28888
09 PCB-95/98/102	35.87	35.88	4.891e3	2.886e3	1.000	1.83	NO	0.70400	0.70414
10 PCB-88	35.76	35.82	1.048e3	7.388e3	1.000	1.42	NO	0.21800	0.21812
11 PCB-99/91	35.14	35.14	2.822e3	1.854e3	1.000	1.77	NO	0.48800	0.48882
12 PCB-121	35.30	35.30	2.874e3	1.874e3	1.000	1.84	NO	0.27800	0.27882



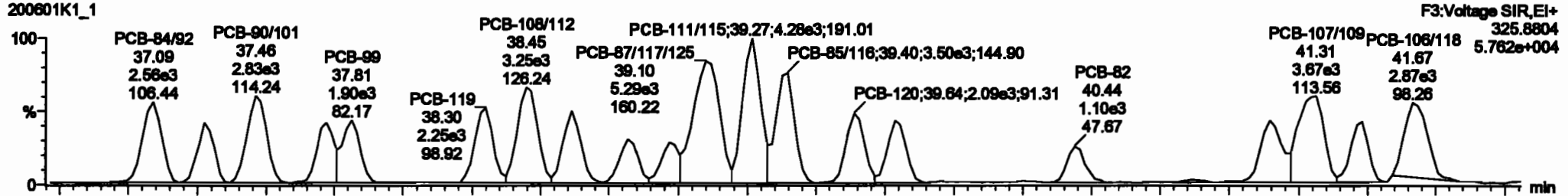
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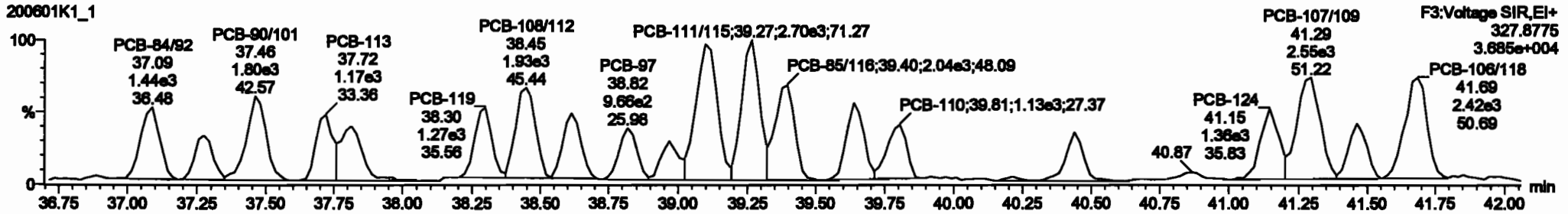
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PCB-119

200801K1\_1

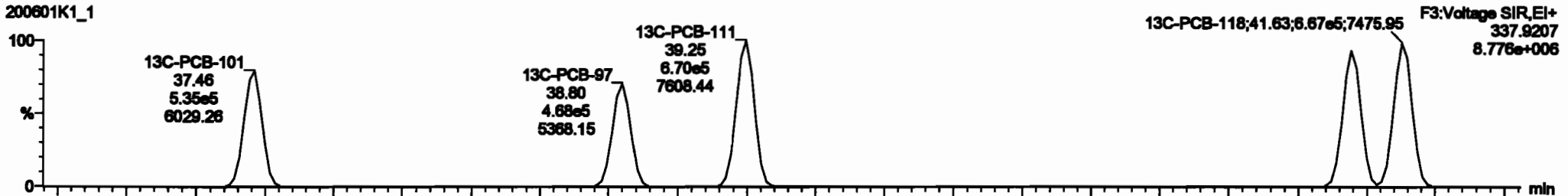


200801K1\_1

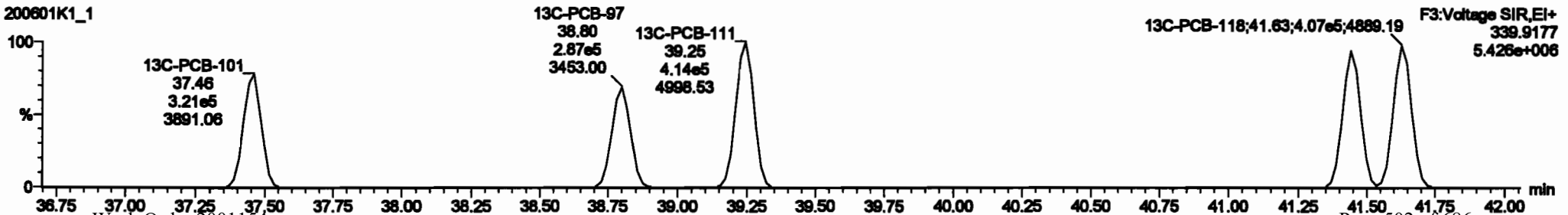


13C-PCB-111

200801K1\_1

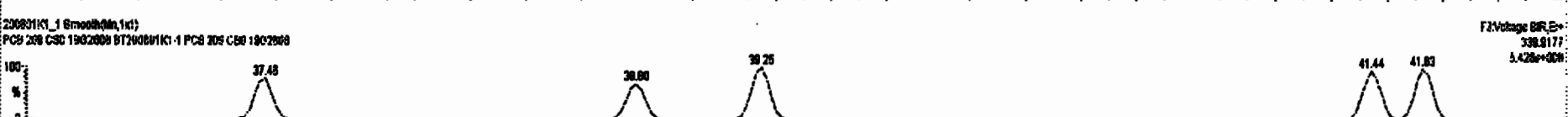
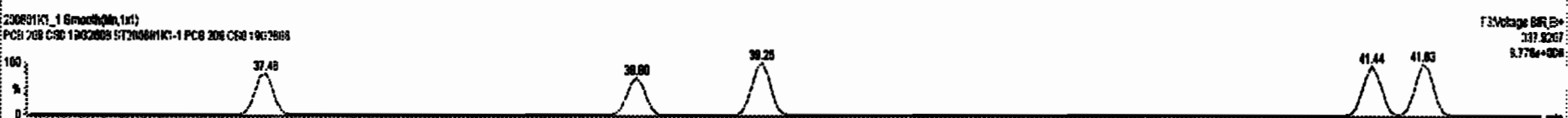
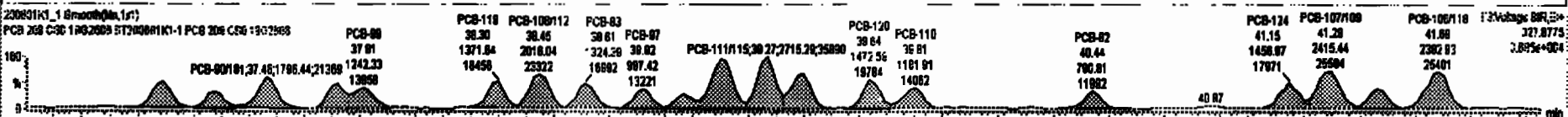
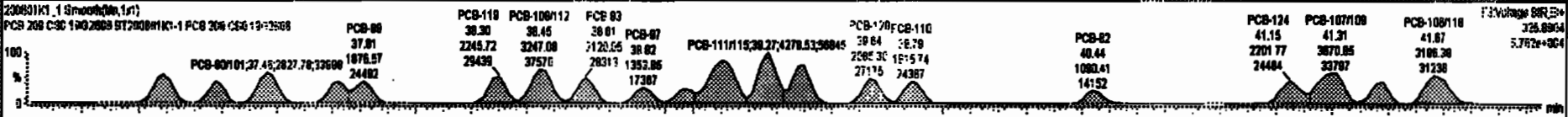


200801K1\_1



#	Name	Mass	RA	RG	RM	Value	Percent	ST	Photo	RT	RT Pk	Area	Area%	GC	SNR
227	2nd Function T4-PCBs					0.0028	1.000	0.00	0.000	ND	3.000		0.191	3.000	
228	Total T4s-PCBs					1.0778	1.000	0.00	0.000	ND	0.917		0.267	0.917	
229	3rd Function Penta-PCBs					1.2657	1.000	0.00	0.000	ND	2.000		0.269	2.000	
230	4th Function Penta-PCBs					1.0736	1.000	0.00	0.000	ND	1.140		0.0636	1.140	
231	2nd Function Hexa-PCBs					0.0005	1.000	0.00	0.000	ND	3.400		0.160	3.400	
232	4th Function Hexa-PCBs					1.0910	1.000	0.00	0.000	ND	0.431		0.160	0.431	
233	Total Hexa-PCBs					1.2691	1.000	0.00	0.000	ND	0.590		0.225	0.590	
234	4th Function Octa-PCBs					1.0008	1.000	0.00	0.000	ND	2.100		0.0714	2.100	
235	5th Function Octa-PCBs					1.1400	1.000	0.00	0.000	ND	0.7210		0.0307	0.7210	
236	Total Octa-PCBs					0.0023	1.000	0.00	0.000	ND	0.7101		0.0023	0.7100	
237	Deca-CB					0.0004	1.000	0.00	0.000	ND	0.2000		0.0000	0.2000	
238	Total PCBs														

#	Name	Peak 1	RT	Area	Area%	Height	Width	SNR	Area
84	PCB-104	32.48	32.47	1.580e3	1.001e3	1.580	1.37	ND	0.20000
85	PCB-88	33.78	33.78	1.046e3	1.022e3	1.580	1.37	ND	0.22000
86	PCB-103	34.30	34.33	1.007e3	1.022e3	1.580	1.86	ND	0.25000
87	PCB-100	34.67	34.69	1.507e3	1.133e3	1.580	1.33	ND	0.24700
88	PCB-84	35.18	35.17	1.352e3	0.801e3	1.580	1.07	ND	0.25700
89	PCB-89/90/102	35.67	35.66	4.531e3	2.905e3	1.580	1.52	ND	0.70400
90	PCB-89	35.78	35.82	1.048e3	7.300e2	1.580	1.42	ND	0.21600
91	PCB-89/91	36.14	36.14	2.022e3	1.054e3	1.580	1.77	ND	0.40500
92	PCB-121	36.23	36.23	7.575e3	1.574e3	1.580	1.04	ND	0.27400

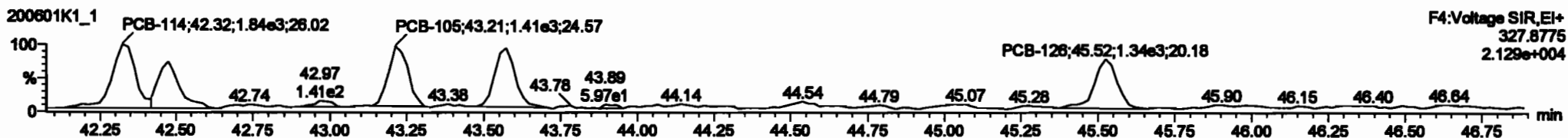
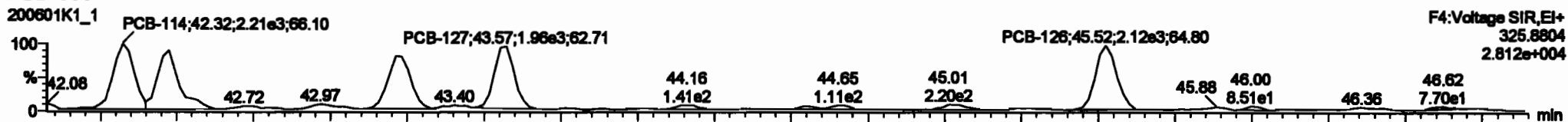


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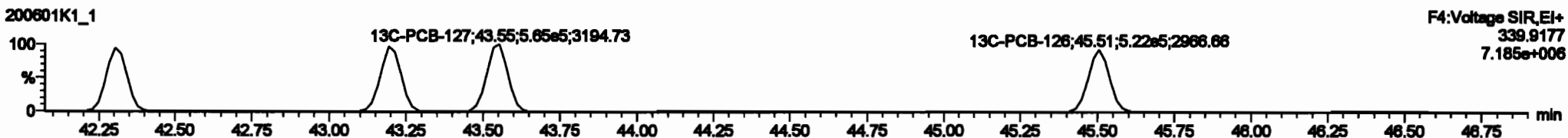
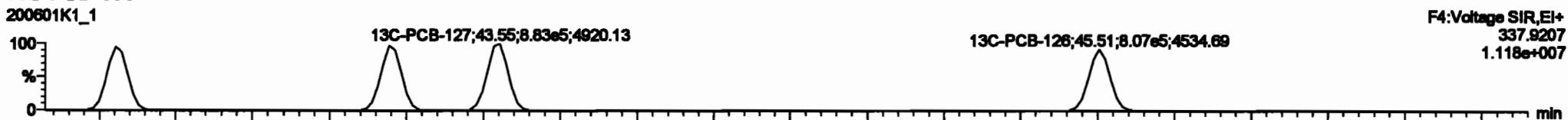
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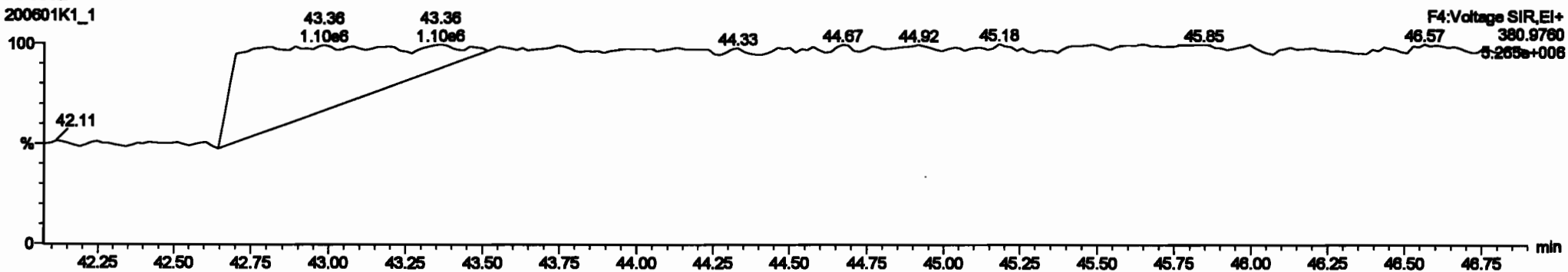
**PCB-114**



**13C-PCB-114**



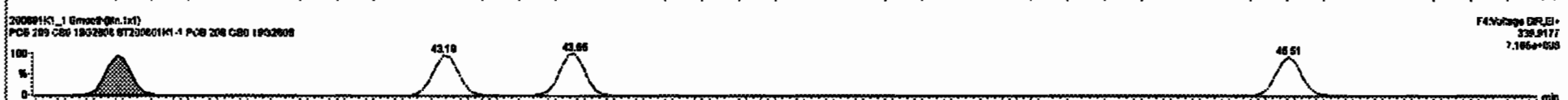
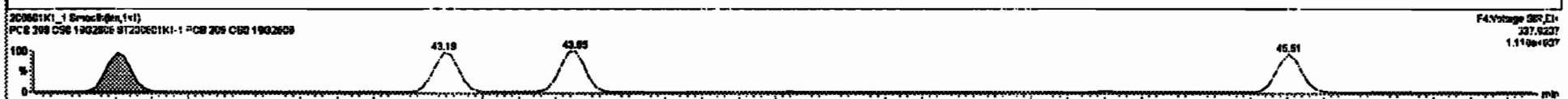
**PFK4a**





#	Mass	Area	HR	Wd	HT	HTW	HTH	HTL	HTU	HTV	HTW	HTH	HTL	HTU	HTV	HTW	HTH	HTL	HTU	HTV
227	2nd Function Tri-PCBs				0.8828	1.000	0.00		0.800	NO	3.888			0.101	3.888					
228	Total Tri-PCBs				1.8778	1.000	0.00		0.800	NO	8.817			0.287	8.817					
229	2nd Function Para-PCBs				1.2157	1.000	0.00		0.800	NO	8.800			0.318	8.800					
230	Total Para-PCBs				1.2157	1.000	0.00		0.800	NO	8.800			0.318	8.800					
231	2nd Function Hexa-PCBs				0.8808	1.000	0.00		0.800	NO	3.400			0.108	3.400					
232	Total Hexa-PCBs				1.0318	1.000	0.00		0.800	NO	6.431			0.180	6.431					
233	Total Hepta-PCBs				1.2881	1.000	0.00		0.800	NO	5.880			0.228	5.880					
234	6th Function Octa-PCBs				1.0008	1.000	0.00		0.800	NO	2.108			0.6714	2.108					
235	6th Function Deca-PCBs				1.1488	1.000	0.00		0.800	NO	0.7210			0.0387	0.7210					
236	Total Mono-PCBs				0.8828	1.000	0.00		0.800	NO	0.7101			0.0328	0.7101					
237	Deca-C8				0.8804	1.000	0.00		0.800	NO	0.2388			0.0023	0.2388					
238	Total PCBs																			

#	Mass	Area	HR	Wd	HT	HTW	HTH	HTL	HTU	HTV	HTW	HTH	HTL	HTU	HTV
88	PCB-114	42.28	42.22	2.201e5	1.890e3	1.880	1.35	NO	0.21800	0.20817					
89	PCB-122	42.67	42.67	1.832e3	1.138e3	1.880	1.81	NO	0.23100	0.23088					
86	PCB-105	43.21	43.21	1.888e3	1.448e3	1.880	1.32	NO	0.22800	0.22776					
88	PCB-127	43.57	43.57	1.888e3	1.454e3	1.880	1.38	NO	0.22300	0.22285					
87	PCB-128	45.82	45.82	2.124e3	1.372e3	1.880	1.87	NO	0.21800	0.21838					



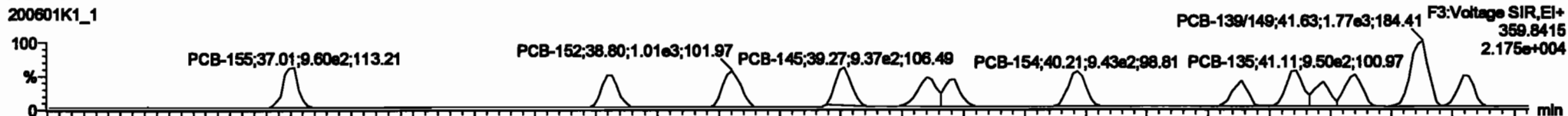
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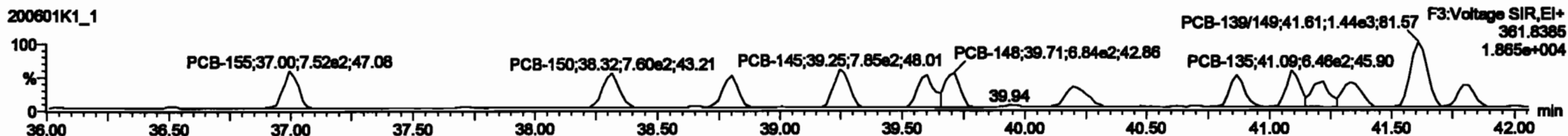
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**PCB-155**

200601K1\_1



200601K1\_1

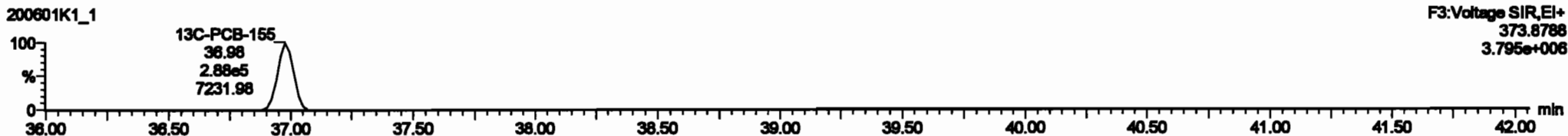


**13C-PCB-155**

200601K1\_1

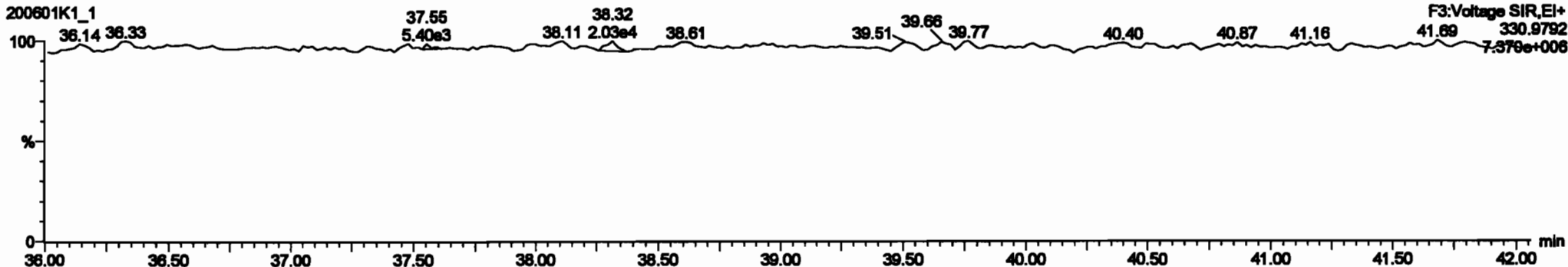


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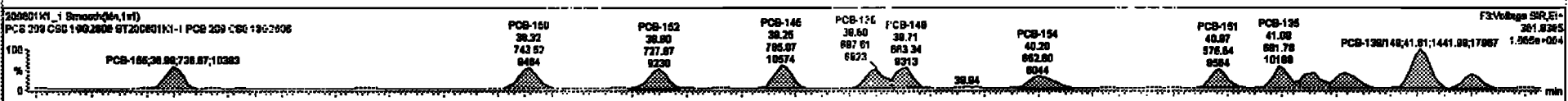
**PFK3c**

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	8th 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	7.287e2	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	0.22800	0.22810								
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	8.188e2	8.878e2	1.240	1.18	NO	0.22400	0.22404								
103	PCB-148	38.71	38.71	7.081e2	8.838e2	1.240	1.08	NO	0.24800	0.24844								
104	PCB-154	40.21	40.22	8.078e2	8.528e2	1.240	1.38	NO	0.28800	0.28830								
105	PCB-161	40.88	40.88	8.188e2	8.788e2	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								



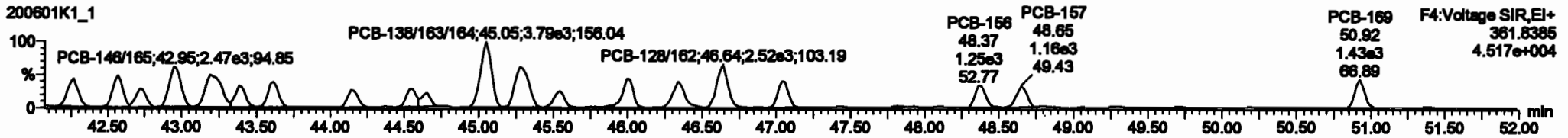
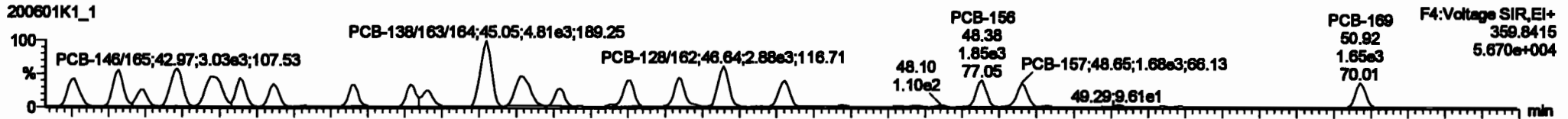
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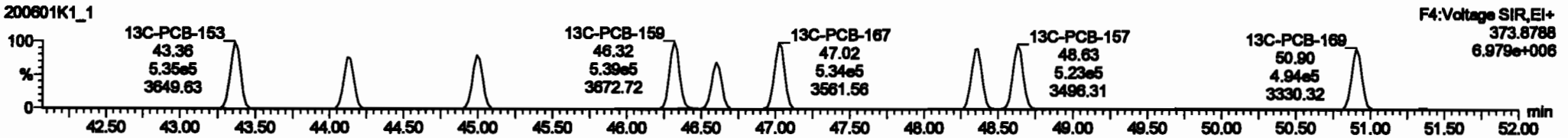
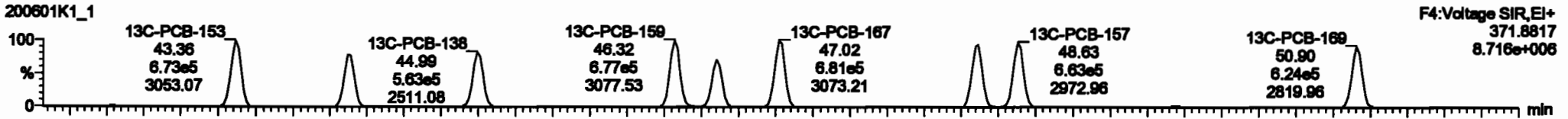
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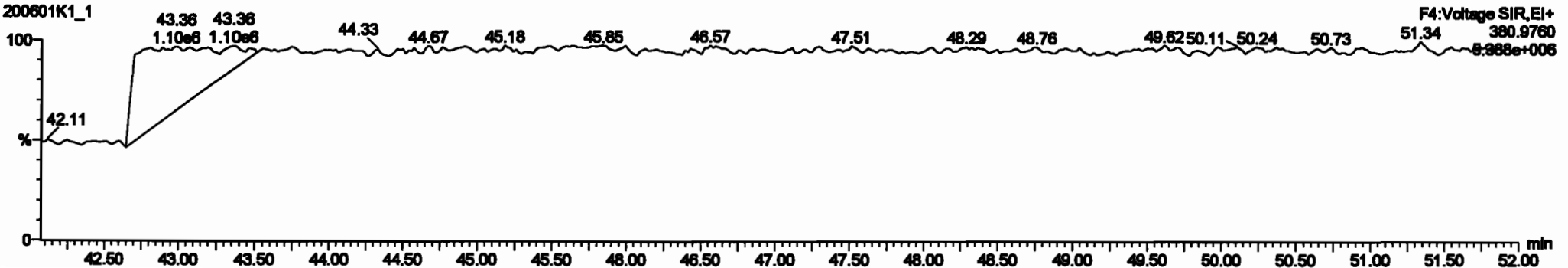
PCB-134/143



13C-PCB-153

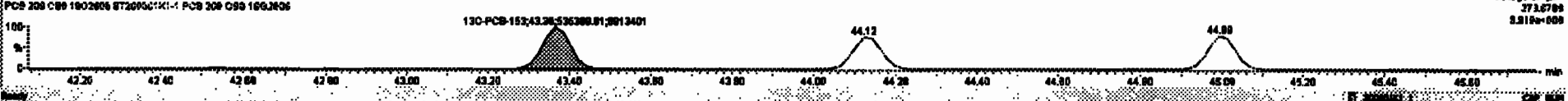
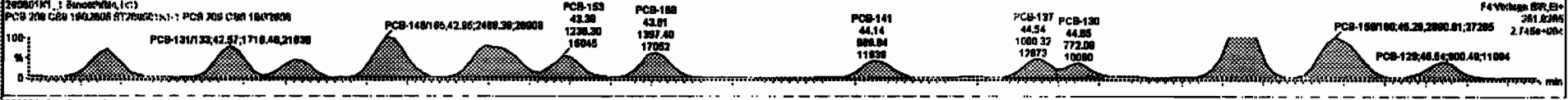


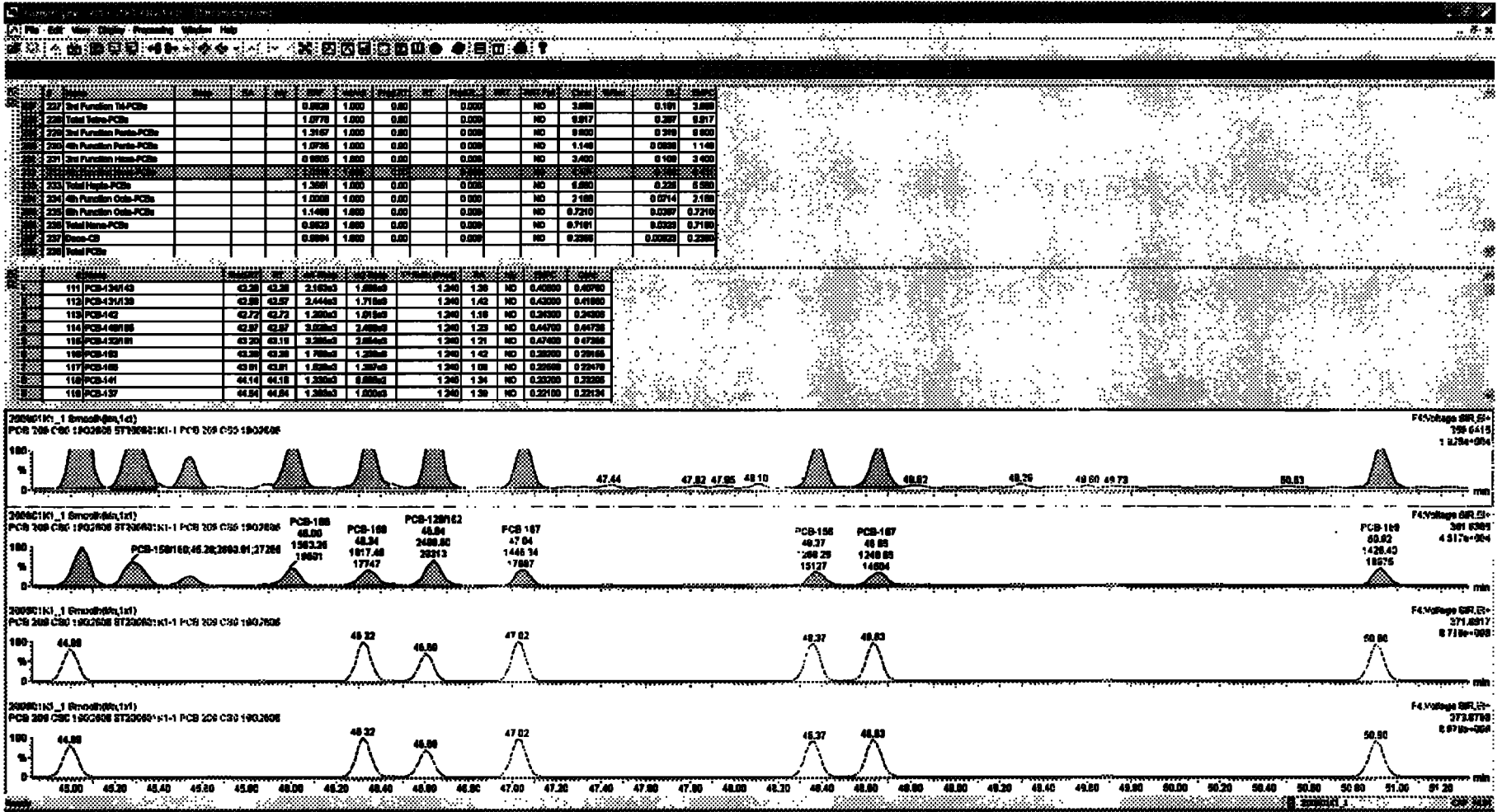
PFK4b



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 Meta-PCBs			1.0003	1.000	0.00	0.000	NO	3.480	0.108	3.480							
233	Total Para-PCBs			1.2911	1.000	0.00	0.000	NO	5.980	0.225	5.980							
234	6th Function Para-PCBs			1.0000	1.000	0.00	0.000	NO	2.188	0.9714	2.188							
235	6th Function Para-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	Draw-CD			0.0004	1.000	0.00	0.000	NO	0.2888	0.0023	0.2888							
238	Total PCBs																	

PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt	PCB	Wt
111	PCB-134/43	42.28	42.28	2.1520	1.0000	1.240	1.28	NO	0.4080	0.4078							
112	PCB-138/33	42.88	42.87	2.4440	1.7180	1.240	1.42	NO	0.4200	0.4188							
113	PCB-142	42.72	42.72	1.2080	1.0180	1.240	1.18	NO	0.2400	0.2408							
114	PCB-148/85	42.97	42.97	3.0280	2.4880	1.240	1.28	NO	0.4478	0.4478							
115	PCB-139/81	43.38	43.18	3.2080	2.8840	1.240	1.21	NO	0.4788	0.4788							
116	PCB-188	43.38	43.38	1.7880	1.2380	1.240	1.42	NO	0.2288	0.2288							
117	PCB-188	43.81	43.81	1.2880	1.2880	1.240	1.88	NO	0.2288	0.2288							
118	PCB-141	44.14	44.14	1.2380	0.8880	1.240	1.24	NO	0.2288	0.2288							
119	PCB-137	44.84	44.84	1.2880	1.0080	1.240	1.28	NO	0.2288	0.2288							





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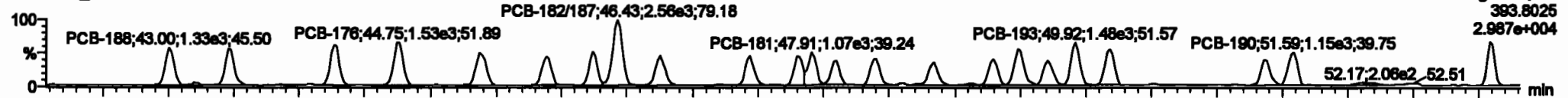
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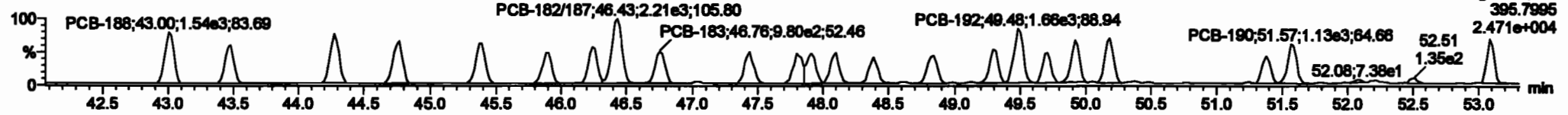
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**PCB-188**

200601K1\_1

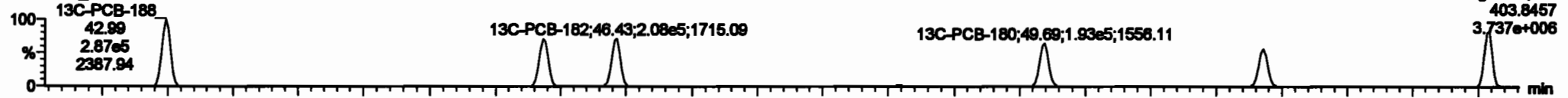


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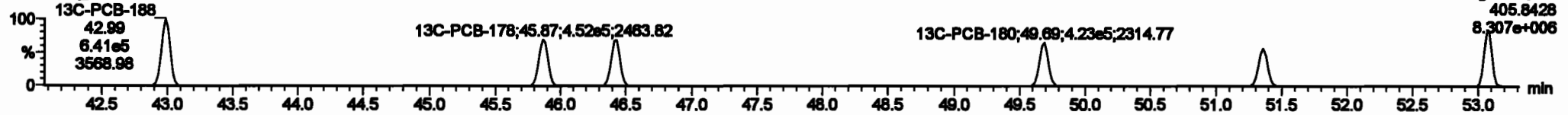


**13C-PCB-188**

200601K1\_1

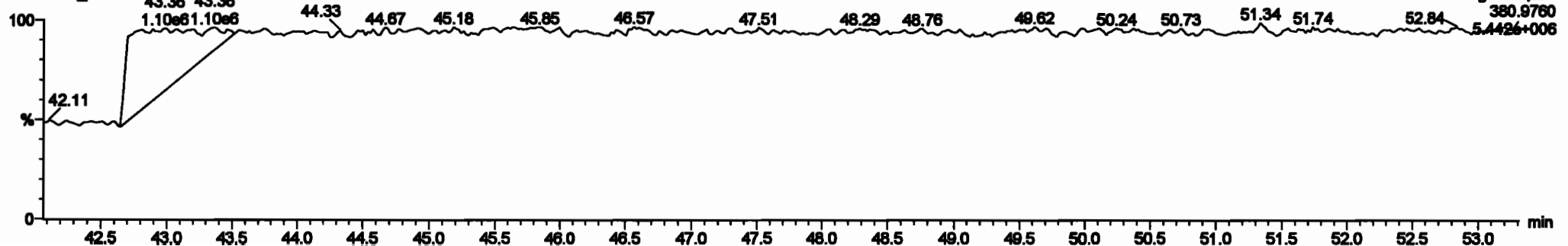


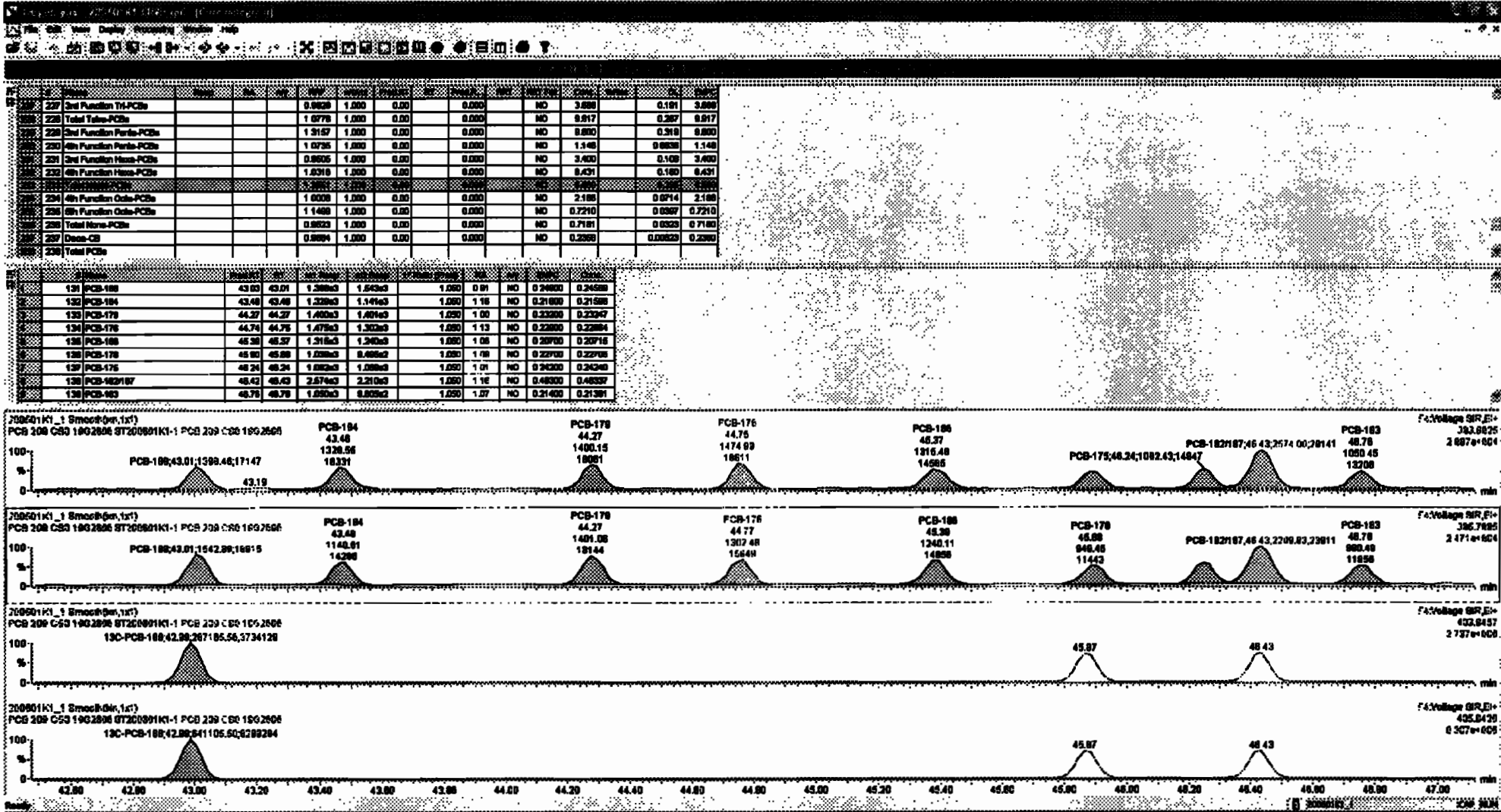
200601K1\_1



**PFK4c**

200601K1\_1

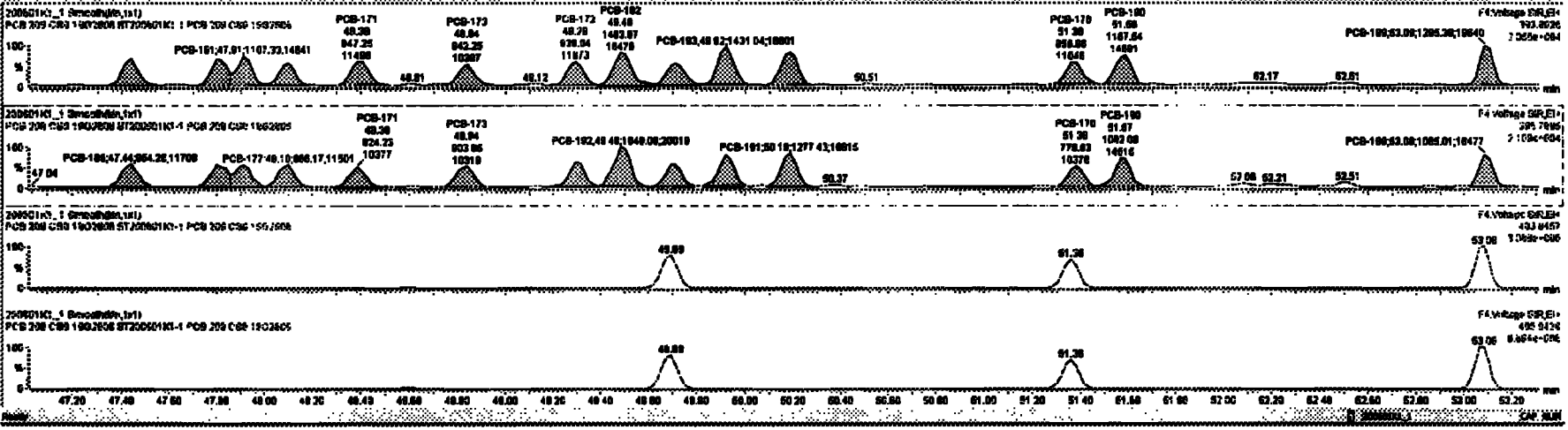






PCB	Material	Area	Vol%	Area	Vol%	Area	Vol%	Area	Vol%	Area	Vol%	Area	Vol%
227	Shell Function Tru-PCBs	0.9828	1.000	0.00	0.000	NO	3.888	0.191	3.888				
228	Total Tru-PCBs	1.9776	1.000	0.00	0.000	NO	8.817	0.287	8.817				
229	Shell Function Proto-PCBs	1.9167	1.000	0.00	0.000	NO	8.800	0.216	8.800				
230	4th Function Proto-PCBs	1.9728	1.000	0.00	0.000	NO	1.148	0.8836	1.148				
231	Shell Function Home-PCBs	0.8808	1.000	0.00	0.000	NO	3.400	0.188	3.400				
232	4th Function Home-PCBs	1.0918	1.000	0.00	0.000	NO	6.491	0.188	6.491				
233	Total Home-PCBs	1.9736	1.000	0.00	0.000	NO	9.991	0.376	9.991				
234	4th Function Ode-PCBs	1.0000	1.000	0.00	0.000	NO	2.188	0.8714	2.188				
235	5th Function Ode-PCBs	1.1488	1.000	0.00	0.000	NO	0.7216	0.8987	0.7216				
236	Total Ode-PCBs	0.8823	1.000	0.00	0.000	NO	0.7181	0.8833	0.7181				
237	Shell-Cl	0.8884	1.000	0.00	0.000	NO	0.2888	0.8833	0.2888				
238	Total PCBs												

PCB	Material	Area	Vol%	Area	Vol%	Area	Vol%	Area	Vol%
131	PCB-168	48.88	48.81	1.388e3	1.543e3	1.888	0.81	NO	0.24888
132	PCB-164	48.48	48.48	1.388e3	1.543e3	1.888	1.18	NO	0.21888
133	PCB-178	44.27	44.27	1.408e3	1.408e3	1.888	1.88	NO	0.28888
134	PCB-176	44.74	44.76	1.478e3	1.288e3	1.888	1.13	NO	0.22888
135	PCB-168	48.38	48.37	1.318e3	1.248e3	1.888	1.88	NO	0.28788
136	PCB-178	48.80	48.80	1.888e3	0.888e3	1.888	1.88	NO	0.28788
137	PCB-175	48.24	48.24	1.388e3	1.888e3	1.888	1.81	NO	0.24288
138	PCB-168/87	48.43	48.43	2.874e3	2.218e3	1.888	1.18	NO	0.48888
139	PCB-168	48.78	48.78	1.388e3	0.888e3	1.888	1.87	NO	0.21888



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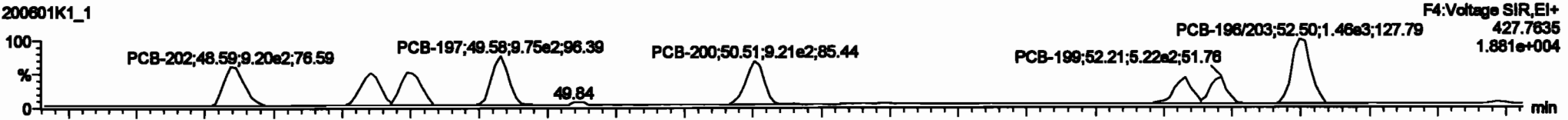
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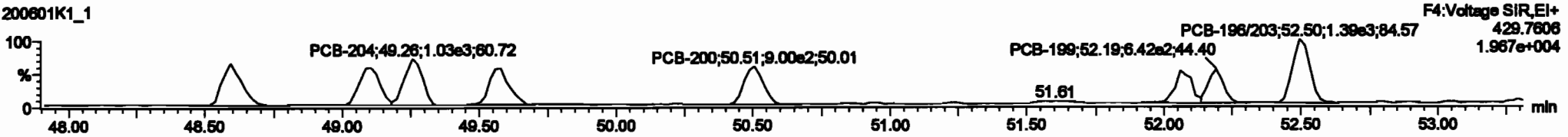
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PCB-202

200601K1\_1

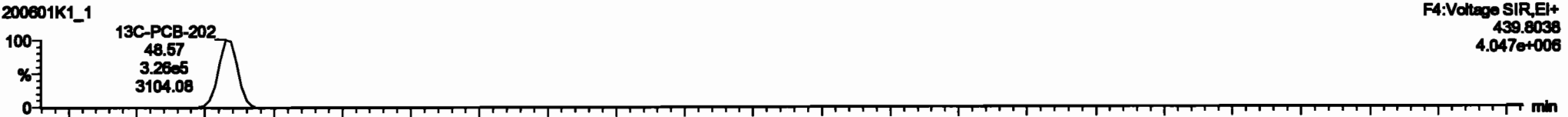


200601K1\_1

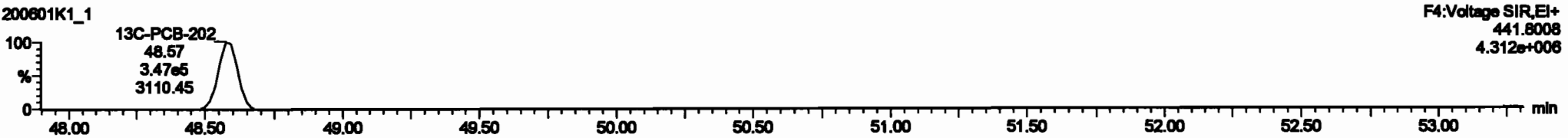


13C-PCB-202

200601K1\_1

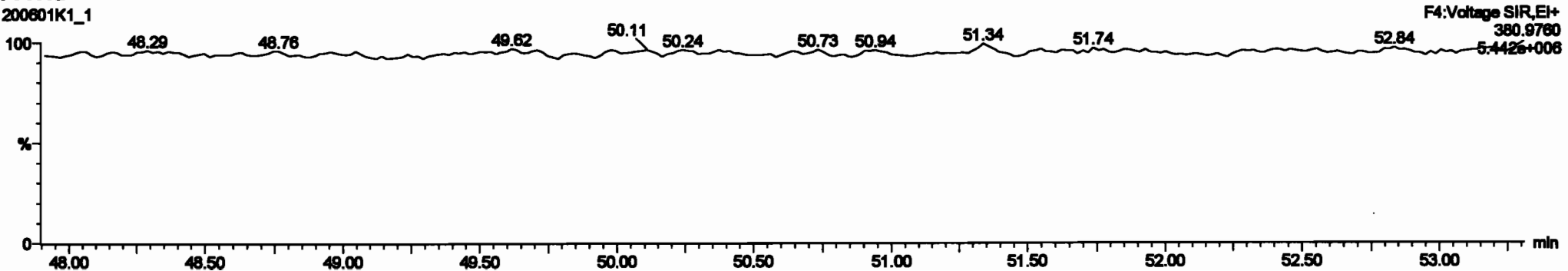


200601K1\_1



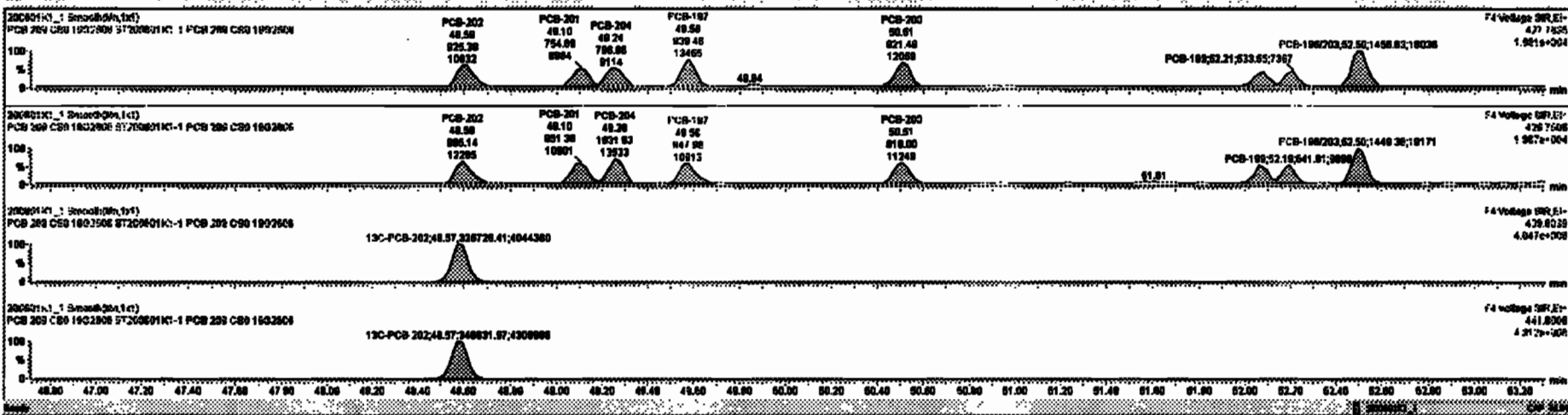
PFK4d

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			0.0000	1.000	0.00	0.000	NO	0.000	0.00	0.000
232	4th Function Hous-PCBs			1.0010	1.000	0.00	0.000	NO	0.000	0.00	0.000
233	Total Hous-PCBs			1.0010	1.000	0.00	0.000	NO	0.000	0.00	0.000
234	5th Function Ods-PCBs			1.1480	1.000	0.00	0.000	NO	0.000	0.00	0.000
235	Total Mamp-PCBs			0.0000	1.000	0.00	0.000	NO	0.000	0.00	0.000
237	Case-CB			0.0000	1.000	0.00	0.000	NO	0.000	0.00	0.000
238	Total PCBs										

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	0.24000	
185	PCB-201	48.00	48.10	7.047e2	0.014e2	0.000	0.70	NO	0.24100	0.24103	
186	PCB-204	48.24	48.24	7.000e2	1.033e2	0.000	0.77	NO	0.23800	0.23841	
187	PCB-197	48.00	48.00	0.000e2	0.480e2	0.000	0.00	NO	0.24000	0.24004	
188	PCB-200	00.00	00.01	0.210e2	0.100e2	0.000	1.00	NO	0.20000	0.20075	
189	PCB-199	02.00	02.00	1.400e2	0.720e2	0.000	0.00	NO	0.22000	0.22000	
190	PCB-198	02.17	02.21	0.200e2	0.410e2	0.000	0.00	NO	0.21000	0.21004	
001	PCB-100000	02.00	02.00	1.400e2	1.400e2	0.000	1.00	NO	0.01000	0.01004	



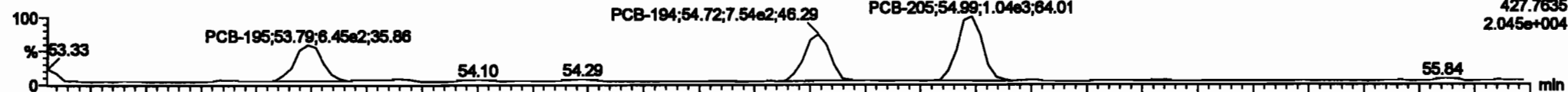
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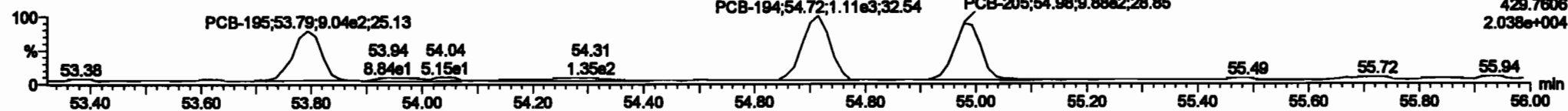
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**PCB-195**

200601K1\_1

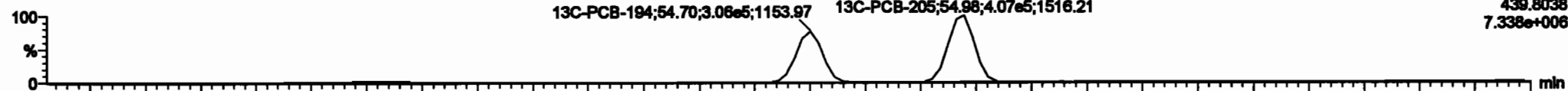


200601K1\_1

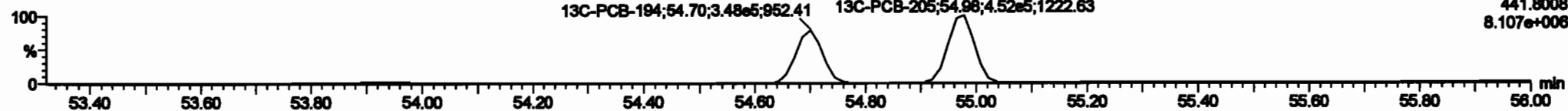


**13C-PCB-194**

200601K1\_1

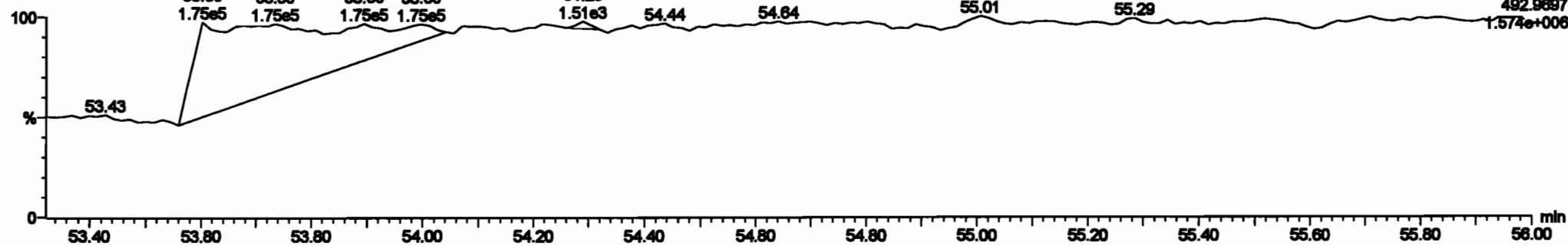


200601K1\_1



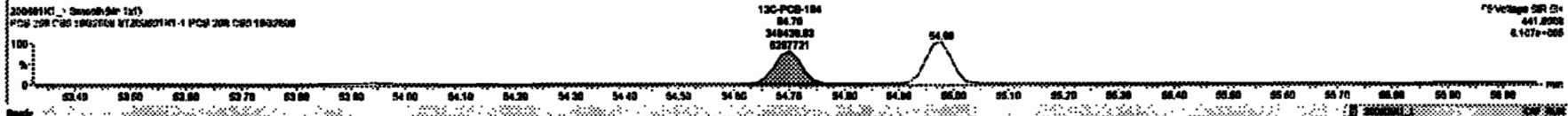
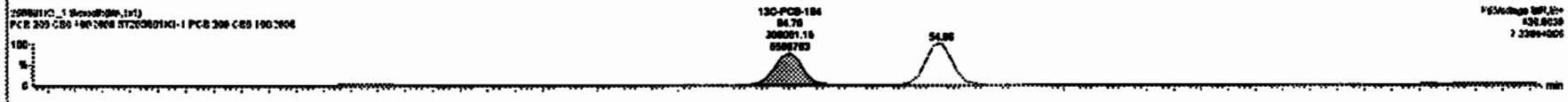
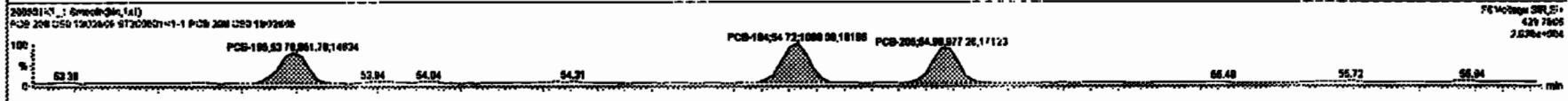
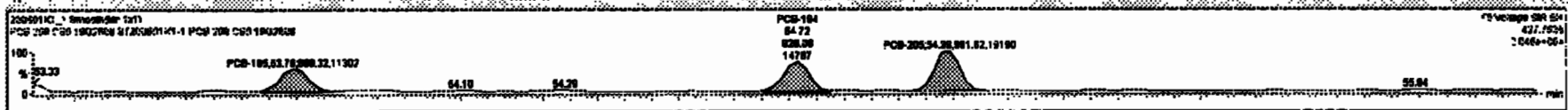
**PFK5a**

200601K1\_1



Sample	Mass	Area	Height	Retention	Peak	Area	Height	Retention	Area
227 2nd Function PA-PCBs		0.0020	1.000	0.00	0.000	NO	3.000	0.101	2.000
228 1st Function PCBs		1.0776	1.000	0.00	0.000	NO	0.017	0.207	0.017
229 2nd Function PA-PCBs		1.0767	1.000	0.00	0.000	NO	0.000	0.210	0.000
230 4th Function PA-PCBs		1.0776	1.000	0.00	0.000	NO	1.140	0.0030	1.140
231 2nd Function Hema-PCBs		0.0000	1.000	0.00	0.000	NO	3.400	0.100	3.400
232 4th Function Hema-PCBs		1.0010	1.000	0.00	0.000	NO	0.401	0.100	0.401
233 1st Function PCBs		1.0001	1.000	0.00	0.000	NO	6.000	0.200	6.000
234 4th Function PCBs		1.0000	1.000	0.00	0.000	NO	2.100	0.0114	2.100
235 2nd Function PCBs		1.0000	1.000	0.00	0.000	NO	1.100	0.0100	1.100
236 1st Function PCBs		0.0020	1.000	0.00	0.000	NO	0.101	0.0020	0.101
237 2nd Function PCBs		0.0001	1.000	0.00	0.000	NO	0.200	0.0001	0.200
238 Total PCBs									

Sample	Area	Height	Retention	Peak	Area	Height	Retention	Area	
100 PCB-106	63.80	63.70	0.000e+00	0.017e+02	0.000	0.01	NO	0.20000	0.20044
101 PCB-104	64.72	64.72	0.201e+05	1.000e+03	0.000	0.70	NO	0.20000	0.20022
104 PCB-205	64.80	64.80	0.010e+02	0.770e+02	0.000	1.01	NO	0.20000	0.20002



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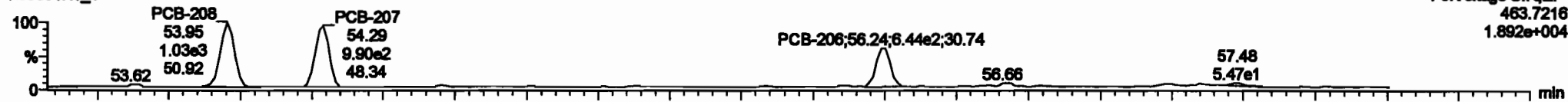
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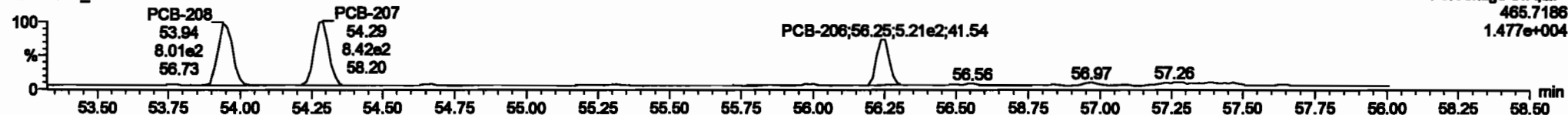
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**PCB-208**

200601K1\_1

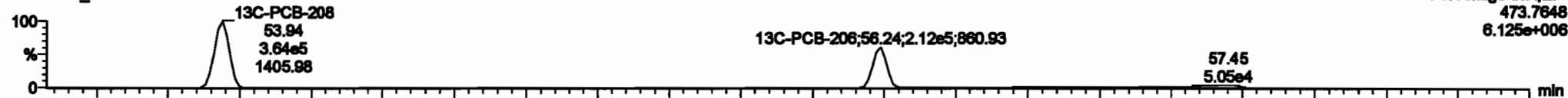


200601K1\_1

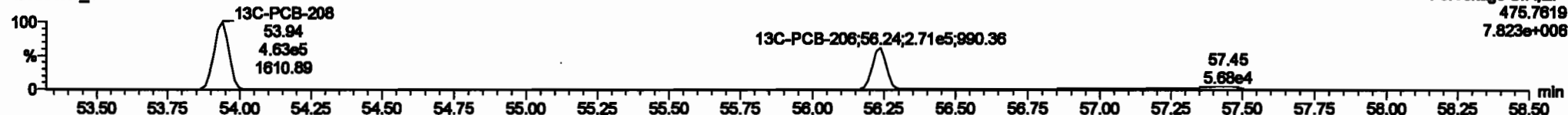


**13C-PCB-208**

200601K1\_1

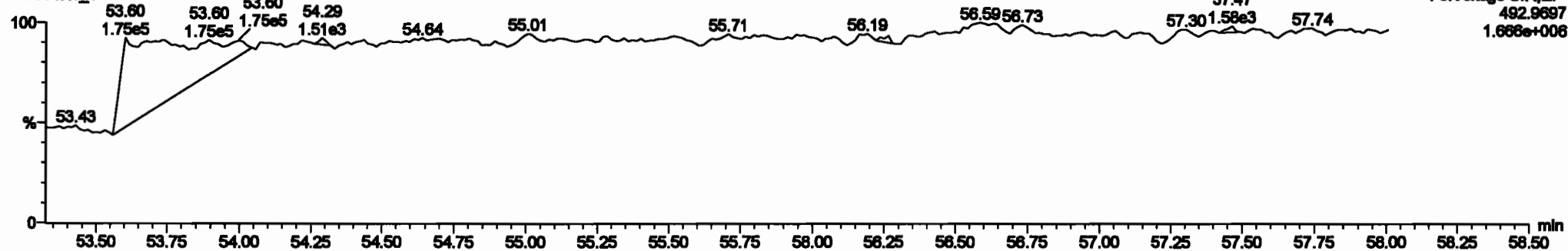


200601K1\_1



**PFK5**

200601K1\_1



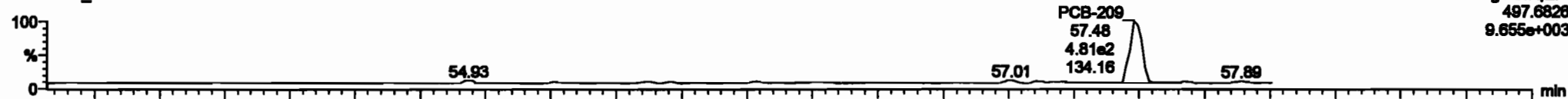
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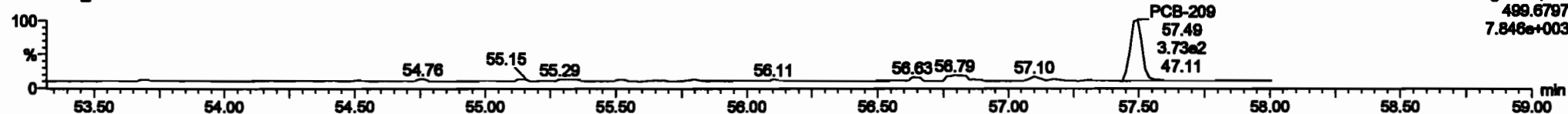
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**PCB-209**

200601K1\_1

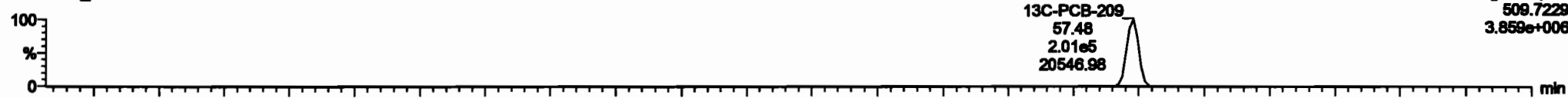


200601K1\_1

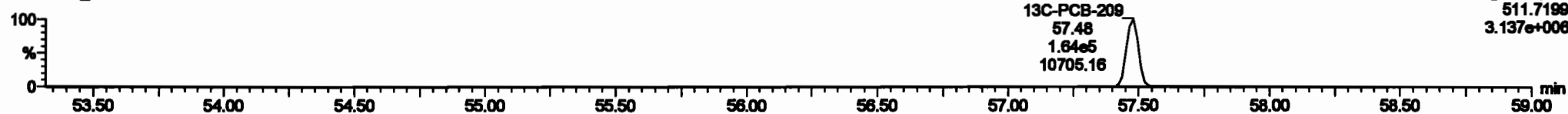


**13C-PCB-209**

200601K1\_1

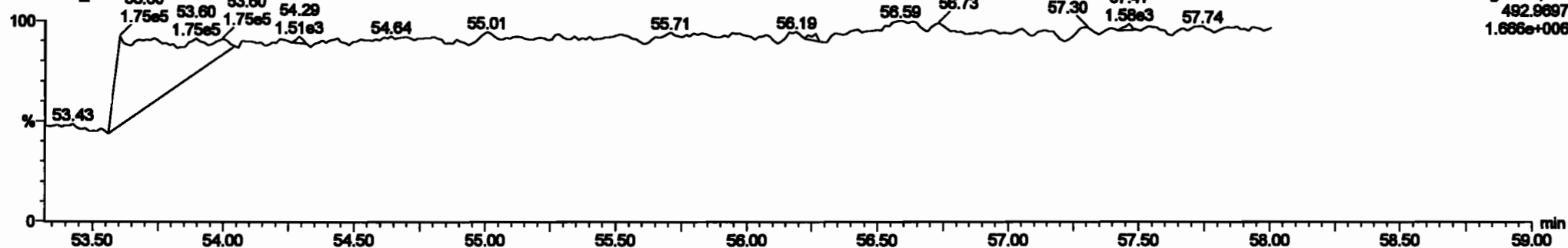


200601K1\_1



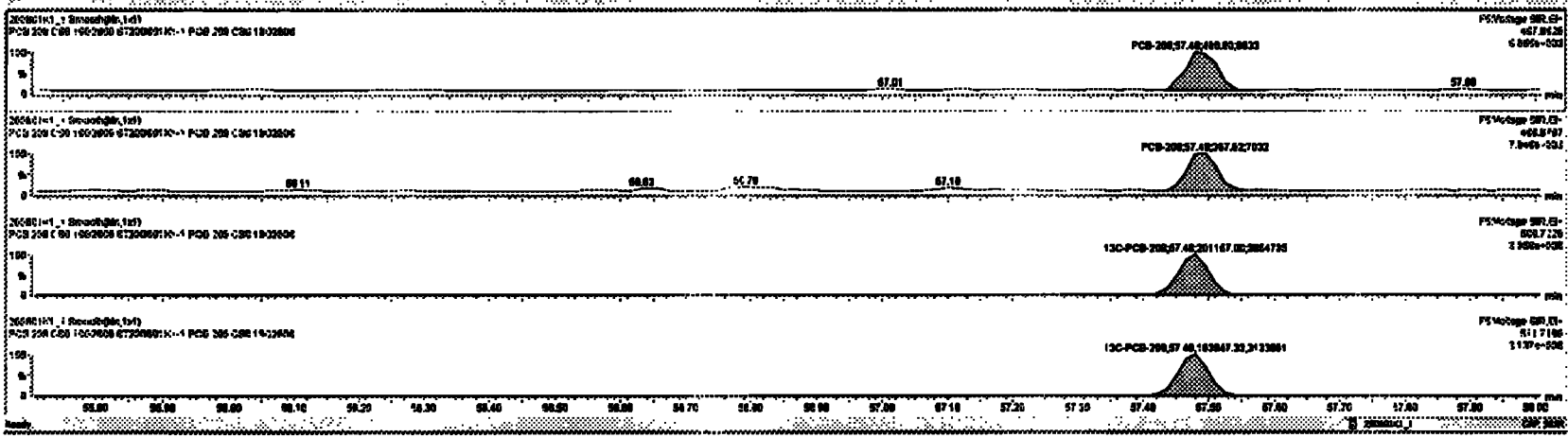
**PFK5b**

200601K1\_1



Item	QTY	UNIT	PRICE	TOTAL	TAX	DISC	NET	TAX	TOTAL
227 2nd Purvision 1st PCBs	0.0000	1.0000	0.00	0.0000	0.0000	0.0000	ND	0.0000	0.0000
228 Total Items-PCBs	1.0000	1.0000	0.00	0.0000	0.0000	0.0000	ND	0.0000	0.0000
229 2nd Purvision Parts-PCBs	1.9707	1.0000	0.20	0.3941	0.0000	0.0000	ND	0.3941	0.3941
230 4th Purvision Parts-PCBs	1.0735	1.0000	0.20	0.2147	0.0000	0.0000	ND	0.2147	0.2147
231 2nd Purvision Items-PCBs	0.0000	1.0000	0.00	0.0000	0.0000	0.0000	ND	0.0000	0.0000
232 4th Purvision Items-PCBs	1.0000	1.0000	0.00	0.0000	0.0000	0.0000	ND	0.0000	0.0000
233 Total Mfgs-PCBs	1.0000	1.0000	0.00	0.0000	0.0000	0.0000	ND	0.0000	0.0000
234 4th Purvision Cals-PCBs	1.0000	1.0000	0.00	0.0000	0.0000	0.0000	ND	0.0000	0.0000
235 2nd Purvision Cals-PCBs	1.4000	1.0000	0.00	0.0000	0.0000	0.0000	ND	0.0000	0.0000
236 Total Items-PCBs	0.0000	1.0000	0.00	0.0000	0.0000	0.0000	ND	0.0000	0.0000
238 Total PCBs									

Item	QTY	UNIT	PRICE	TOTAL	TAX	DISC	NET	TAX	TOTAL
400 PCB-200	07.00	07.00	4.0000	2.8000	1.1700	1.20	ND	0.2000	0.2000





Dataset: Untitled

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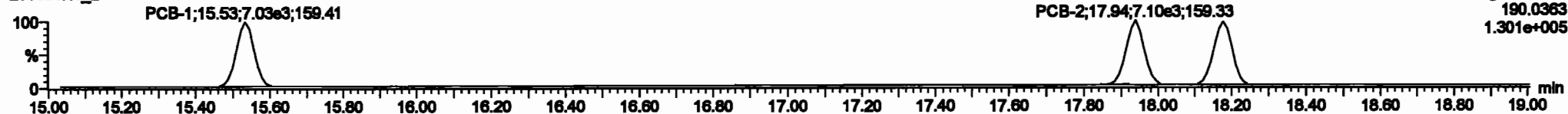
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**PCB-1**

200601K1\_2



200601K1\_2

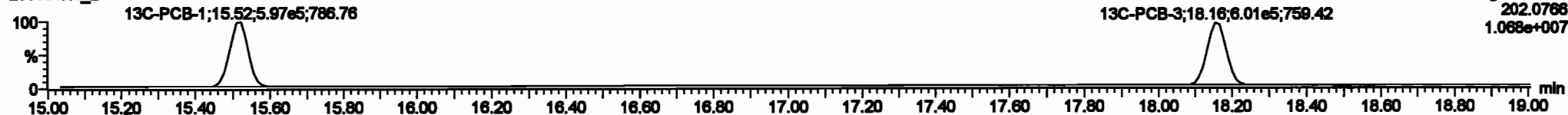


**13C-PCB-1**

200601K1\_2

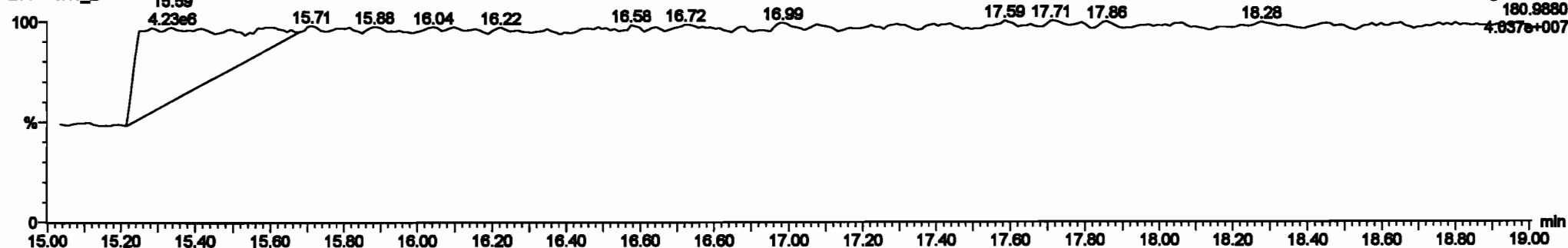


200601K1\_2



**PFK1**

200601K1\_2

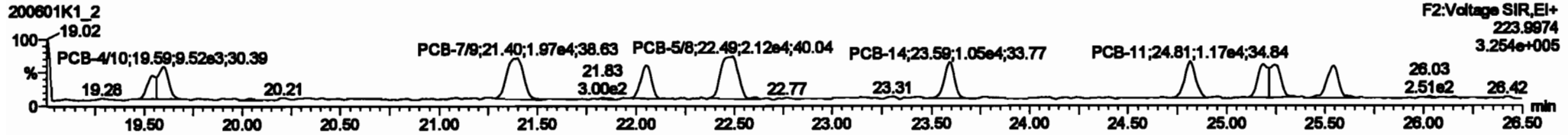
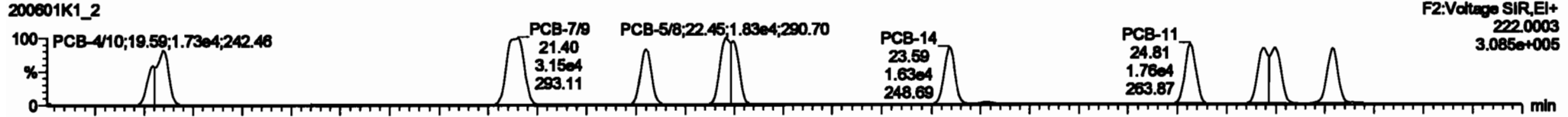


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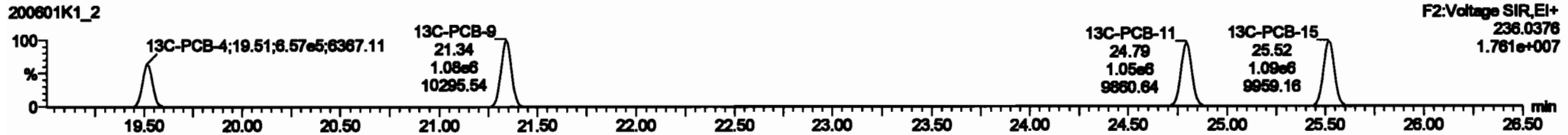
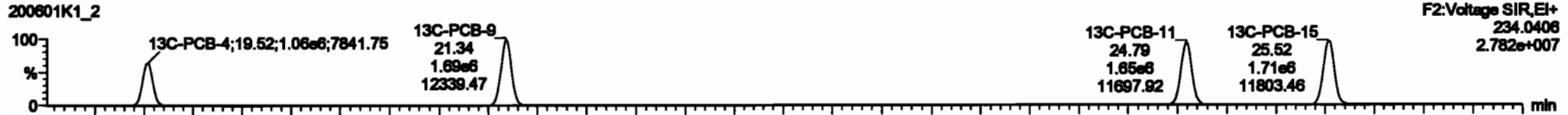
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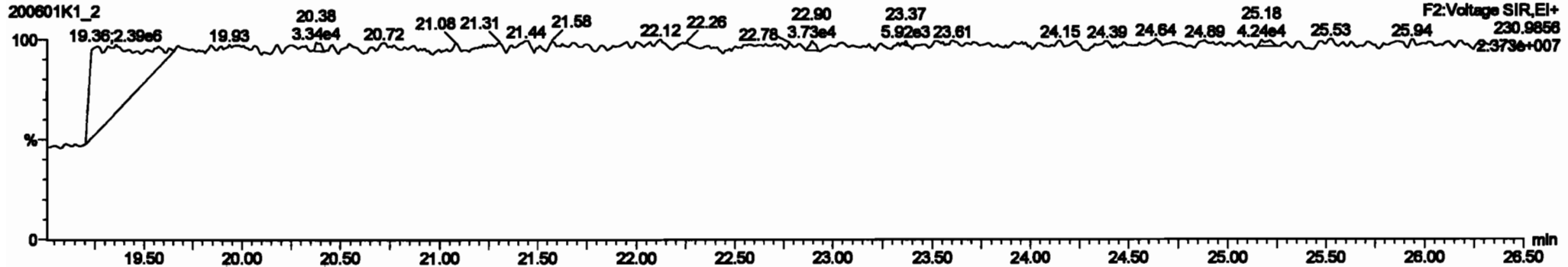
PCB-4/10



13C-PCB-4

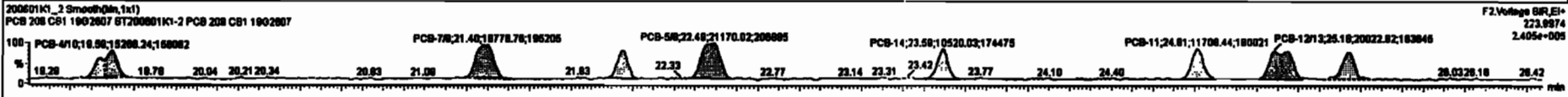
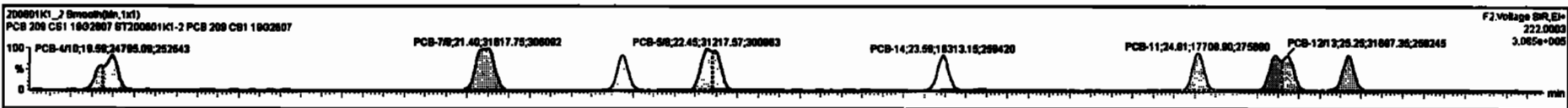


PFK2a



#	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 Mono-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	2.884		0.0206	2.884				
226	2nd Function TH-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	7.832		0.0652	7.832				
227	2nd Function TH-PCBs				0.9828	1.000	0.00	0.00	0.000	0.000	NO	15.71		0.201	15.71				
228	Total Yolo-PCBs				1.0776	1.000	0.00	0.00	0.000	0.000	NO	40.38		0.382	40.38				
229	2nd Function Para-PCBs				1.3187	1.000	0.00	0.00	0.000	0.000	NO	38.87		0.870	38.87				
230	4th Function Para-PCBs				1.0736	1.000	0.00	0.00	0.000	0.000	NO	4.785		0.0713	4.785				
231	2nd Function Heme-PCBs				0.9828	1.000	0.00	0.00	0.000	0.000	NO	13.32		0.120	13.32				
232	4th Function Heme-PCBs				1.0316	1.000	0.00	0.00	0.000	0.000	NO	28.45		0.302	28.45				
233	Total Heme-PCBs				1.3891	1.000	0.00	0.00	0.000	0.000	NO	23.19		0.230	23.19				
234	4th Function Oxo-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	0.216		0.0785	0.216				

#	Name	ProdRate	WT	est Range	est Range	* Ratio (Prod)	RA	Qty	Unit	ProdRate	WT	ProdRate	WT
1	4 PCB-478	18.80	18.80	2.480e4	1.527e4	1.580	1.82	NO	1.8710	1.8700			
2	6 PCB-78	21.40	21.40	3.162e4	1.878e4	1.580	1.80	NO	1.8880	1.8881			
3	8 PCB-8	22.08	22.08	1.817e4	1.806e4	1.580	1.81	NO	0.82800	0.82812			
4	7 PCB-64	22.48	22.48	3.122e4	2.117e4	1.580	1.40	NO	1.8070	1.8088			
5	8 PCB-14	23.80	23.80	1.821e4	1.852e4	1.580	1.58	NO	0.87700	0.87678			
6	9 PCB-11	24.81	24.81	1.771e4	1.171e4	1.580	1.81	NO	0.88700	0.88713			
7	10 PCB-13/13	25.25	25.25	3.170e4	2.002e4	1.580	1.58	NO	1.8880	1.8885			
8	11 PCB-15	26.80	26.80	1.829e4	1.091e4	1.580	1.88	NO	0.88400	0.88281			

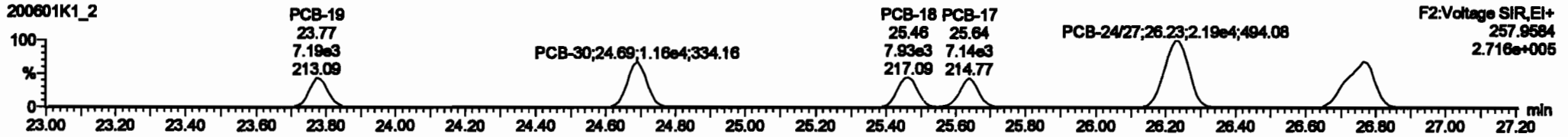
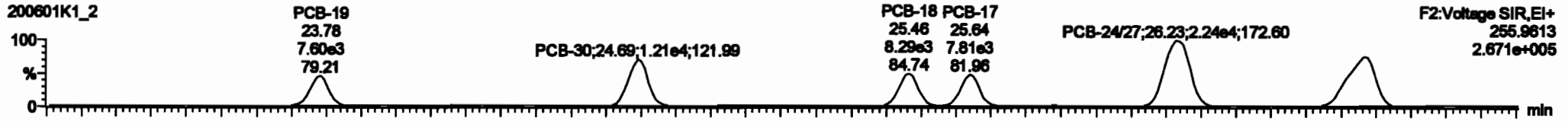


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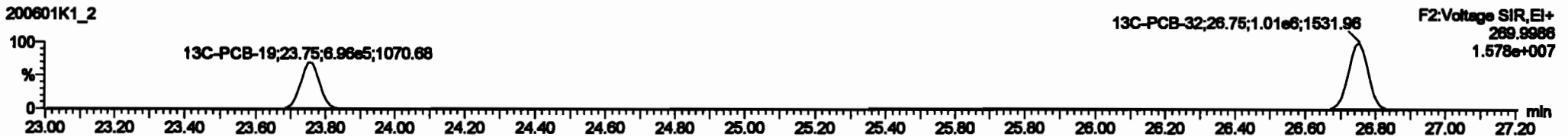
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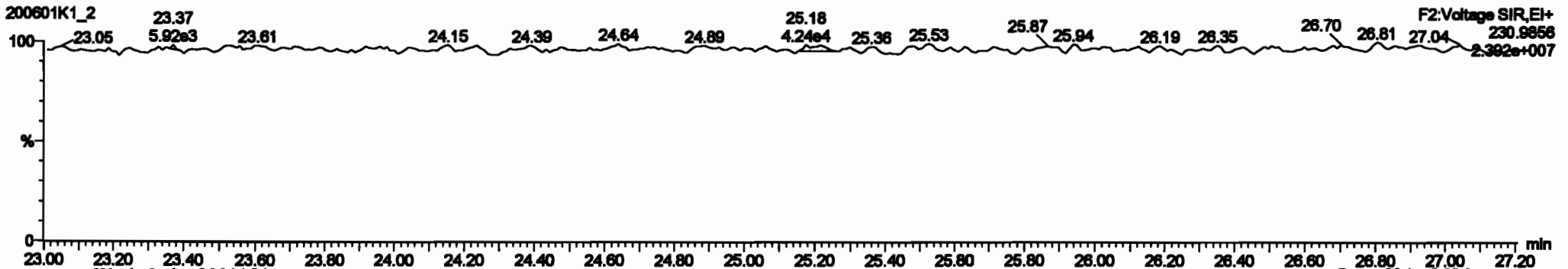
**PCB-19**



**13C-PCB-19**

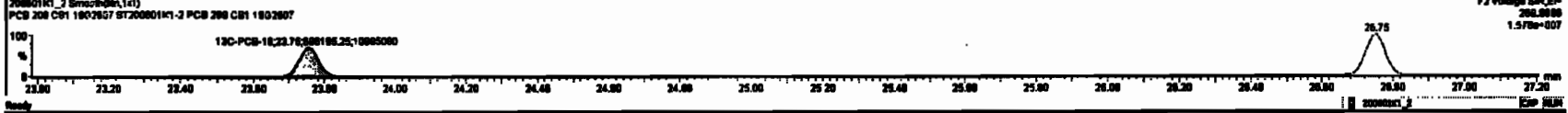
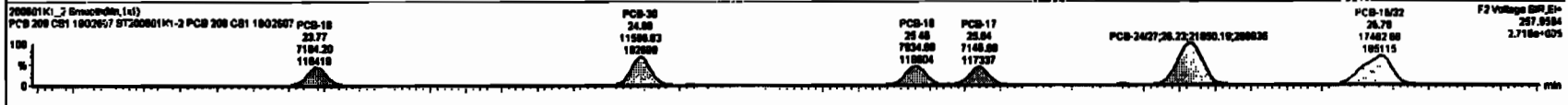
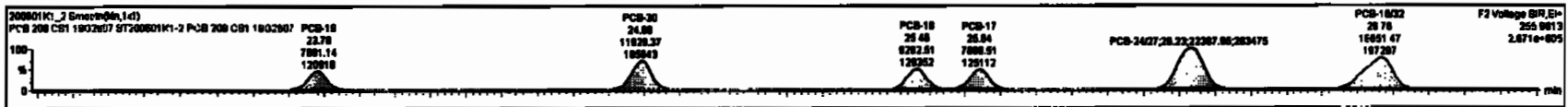


**PFK2b**



#	Sample	Range	Min	Max	Unit	Method	Result	SE	Result	Unit	Method	Result	SE	Result	Unit	Method	Result	SE
223	13C-PCB-170	7.50e6	0.40	ND	1.0000	1.200	46.07	0.023	0.023	ND	104.2	104	0.0072					
224	Total Mono-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	2.004	2.004	0.0000	2.004				
225	Total Di-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	11.30	11.30	0.0077	11.30				
227	2nd Purition PA-PCBs				0.0000	1.000	0.00	0.000	0.000	ND	10.71	10.71	0.001	10.71				
228	Total Non-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	40.20	40.20	0.002	40.20				
229	2nd Purition Para-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	30.67	30.67	0.0010	30.67				
230	4th Purition Para-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	4.700	4.700	0.0010	4.700				
231	2nd Purition Homo-PCBs				0.0000	1.000	0.00	0.000	0.000	ND	13.33	13.33	0.002	13.33				
232	4th Purition Homo-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	20.40	20.40	0.002	20.40				
233	Total Hxho-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	33.16	33.16	0.006	33.16				
234	4th Purition Oxo-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	0.215	0.215	0.0000	0.215				

#	Sample	Peak #	RT	Int	Area	Label	Conc
1	13	13	23.70	23.70	7.00e0	7.10e0	1.000
2	13	13	24.00	24.00	1.10e0	1.10e0	1.000
3	14	14	26.40	26.40	0.20e0	7.00e0	1.000
4	15	15	26.64	26.64	7.00e0	7.50e0	1.000
5	16	16	28.20	28.20	2.50e0	2.50e0	1.000
6	17	17	28.77	28.70	1.00e0	1.70e0	1.000

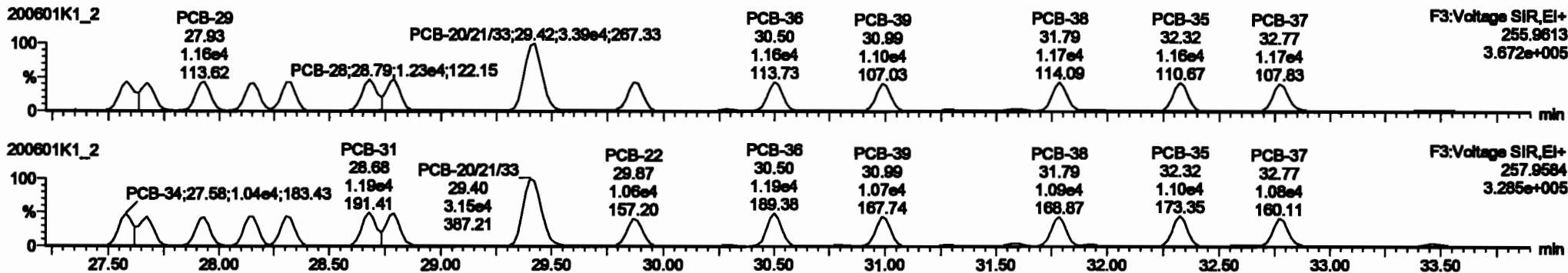


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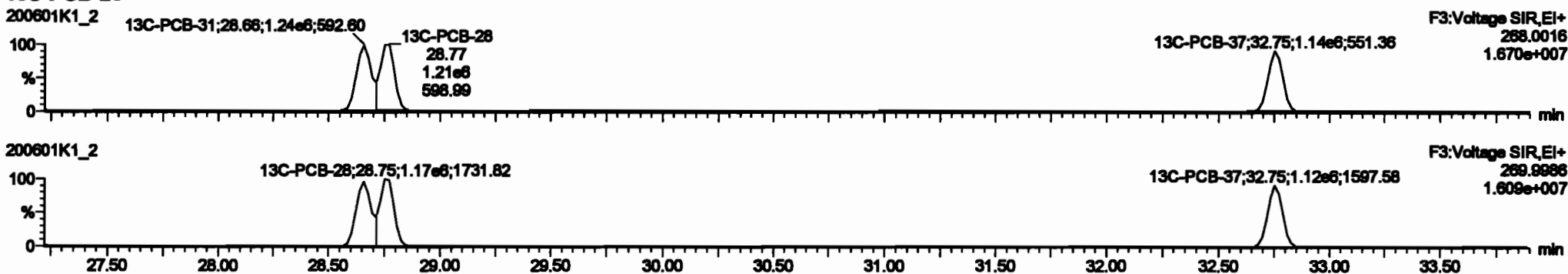
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 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

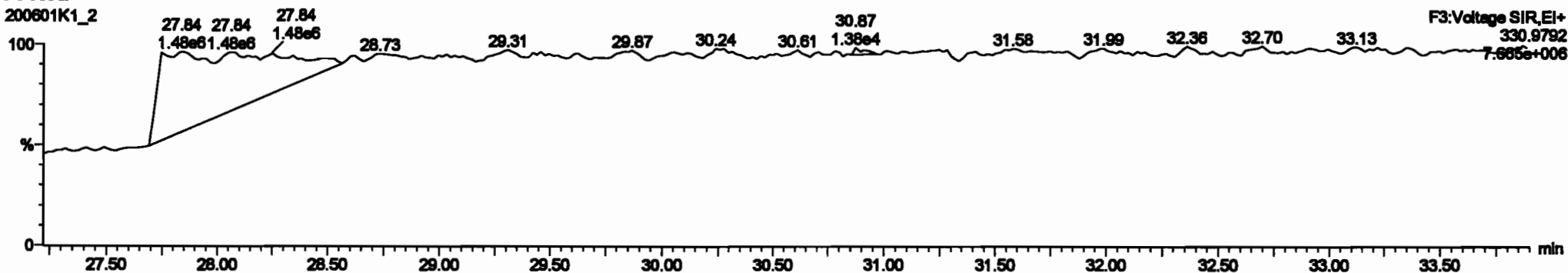
**PCB-34**



**13C-PCB-28**

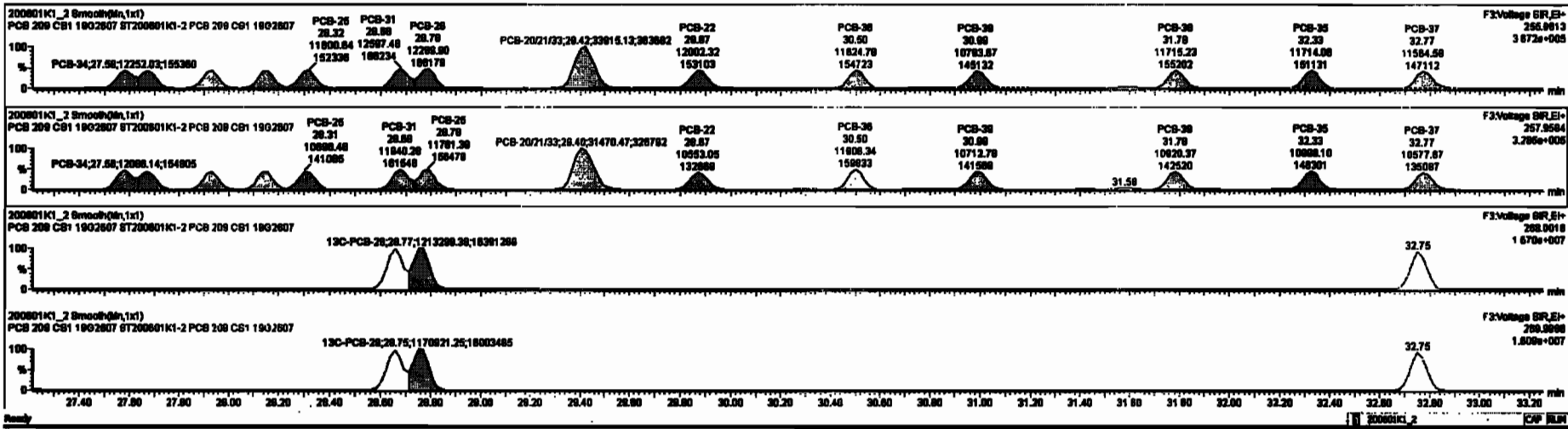


**PFK3d**



PCB	PCB-34	PCB-25	PCB-31	PCB-26	PCB-22	PCB-36	PCB-38	PCB-35	PCB-37
220	132	100	100	100	100	100	100	100	100
224	100	100	100	100	100	100	100	100	100
225	100	100	100	100	100	100	100	100	100
226	100	100	100	100	100	100	100	100	100
228	100	100	100	100	100	100	100	100	100
229	100	100	100	100	100	100	100	100	100
230	100	100	100	100	100	100	100	100	100
231	100	100	100	100	100	100	100	100	100
232	100	100	100	100	100	100	100	100	100
233	100	100	100	100	100	100	100	100	100
234	100	100	100	100	100	100	100	100	100

PCB	PCB-34	PCB-25	PCB-31	PCB-26	PCB-22	PCB-36	PCB-38	PCB-35	PCB-37
18	27.89	27.89	1.228e4	1.208e4	1.040	1.01	NO	1.0800	1.0788
19	27.87	27.87	1.015e4	0.832e0	1.040	1.07	NO	0.83500	0.83318
20	27.83	27.83	1.180e4	1.030e4	1.040	1.12	NO	1.0310	1.0313
21	28.18	28.18	1.143e4	1.089e4	1.040	1.04	NO	0.88800	0.88880
22	28.31	28.32	1.180e4	1.070e4	1.040	1.08	NO	0.88800	0.88485
23	28.88	28.88	1.280e4	1.184e4	1.040	1.05	NO	0.88300	0.88318
24	28.78	28.78	1.228e4	1.178e4	1.040	1.04	NO	0.89000	0.88418
25	28.43	28.42	3.362e4	3.147e4	1.040	1.08	NO	2.9130	2.9138
26	28.87	28.87	1.200e4	1.088e4	1.040	1.14	NO	0.87280	0.87243

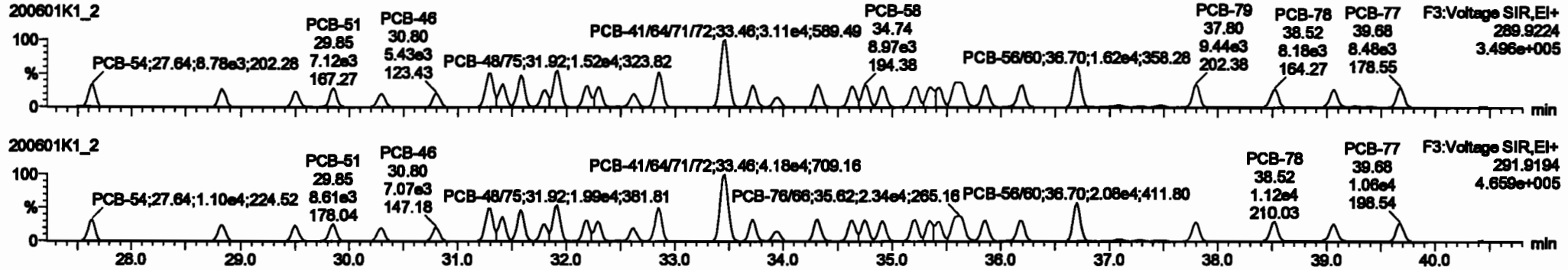


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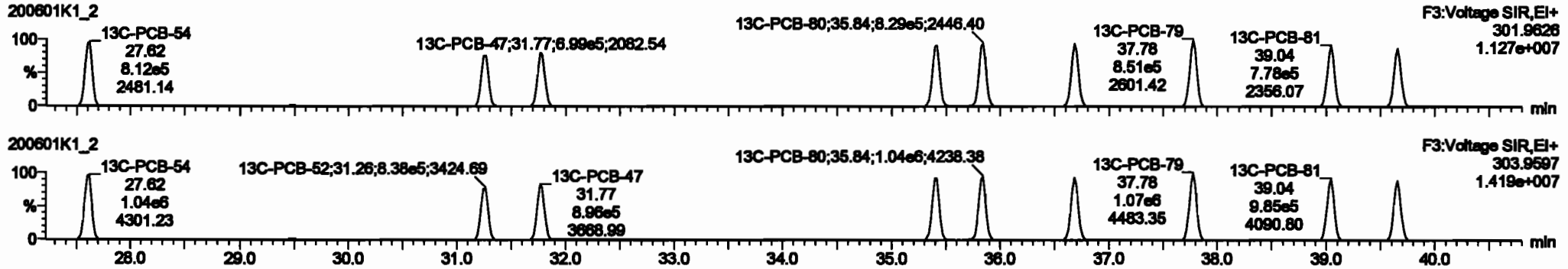
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Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

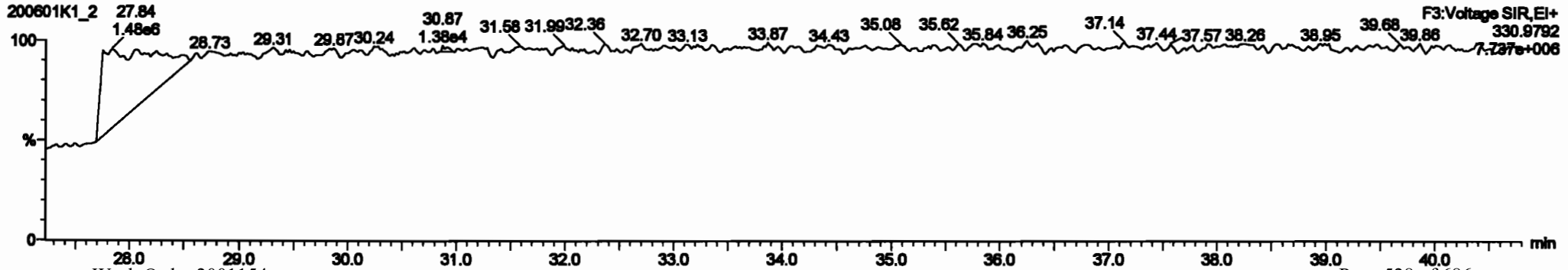
**PCB-54**



**13C-PCB-54**



**PFK3a**





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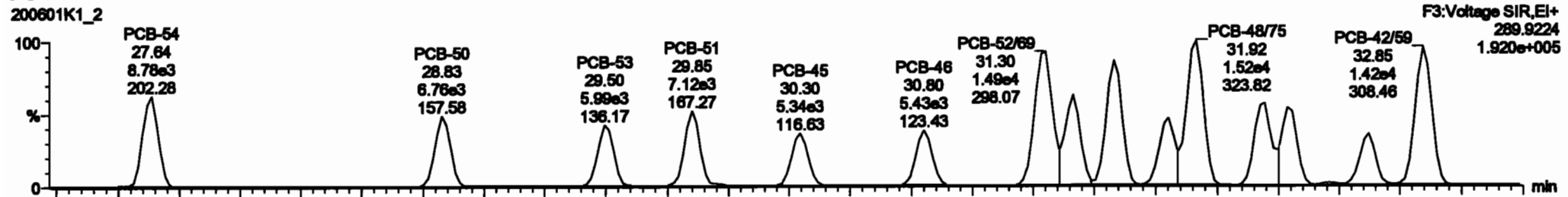
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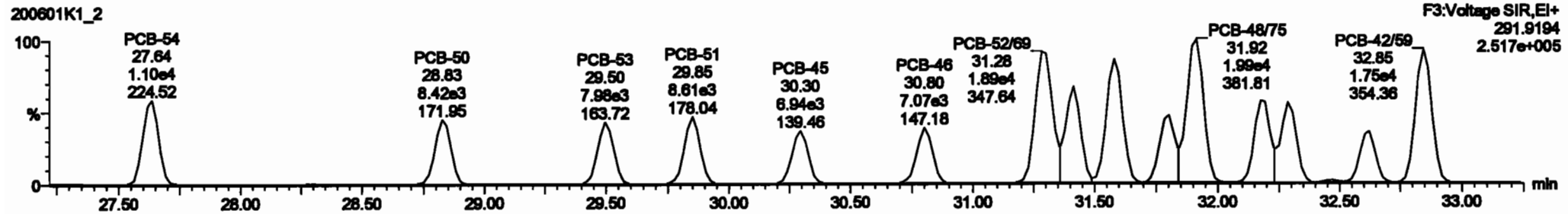
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PCB-50

200601K1\_2



200601K1\_2

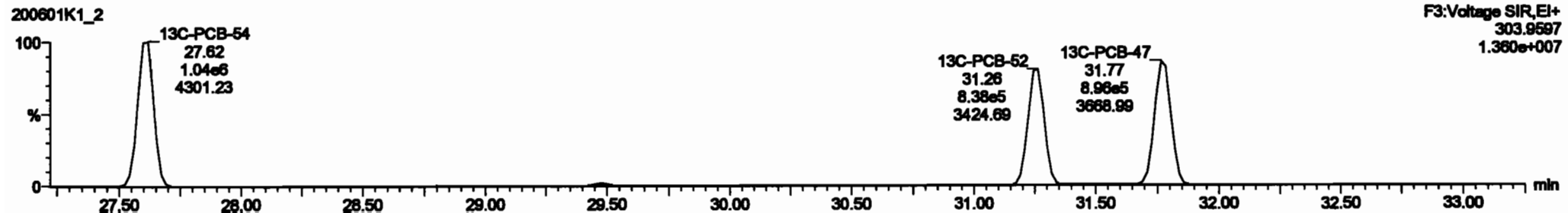


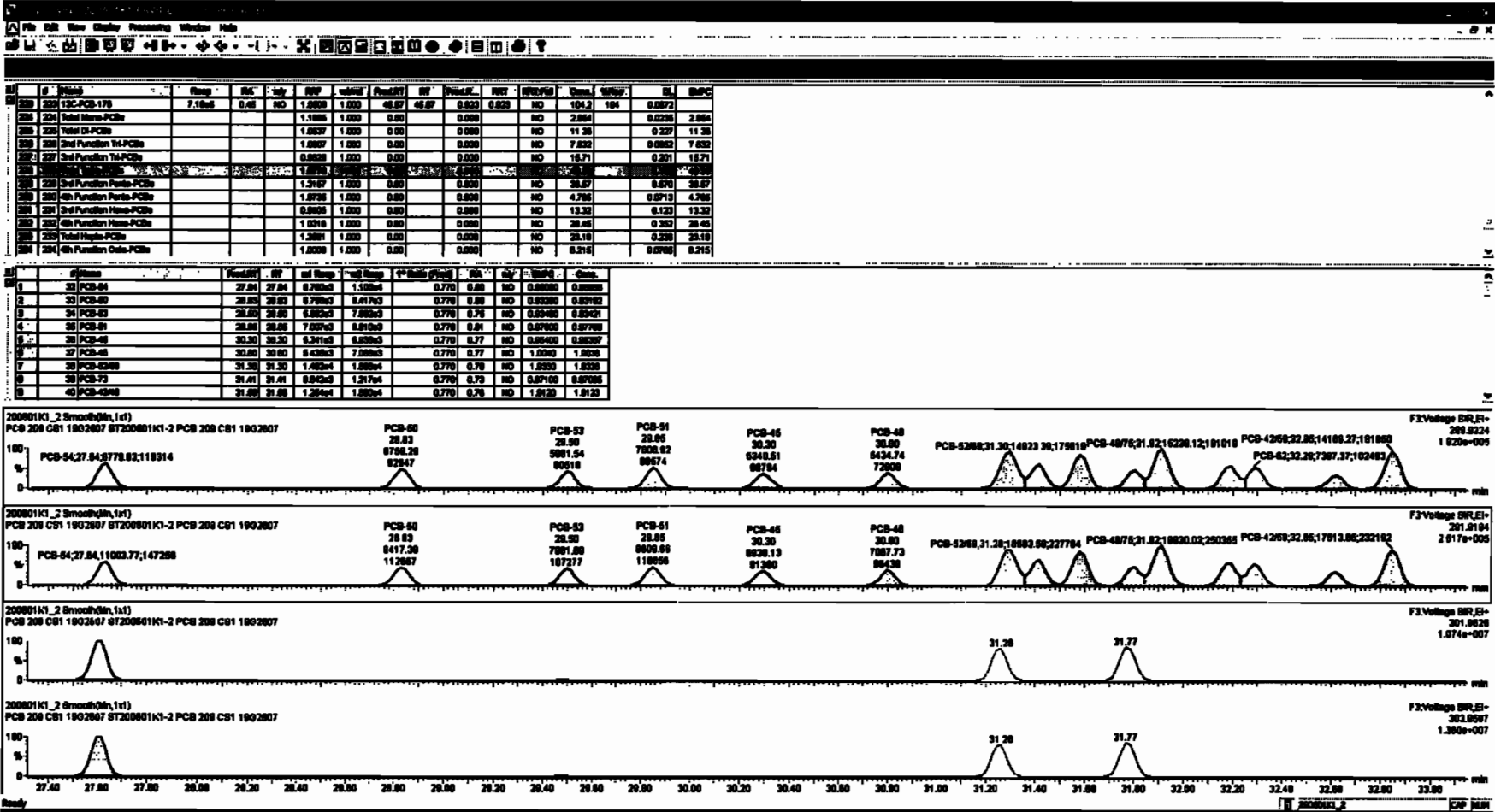
13C-PCB-52

200601K1\_2



200601K1\_2





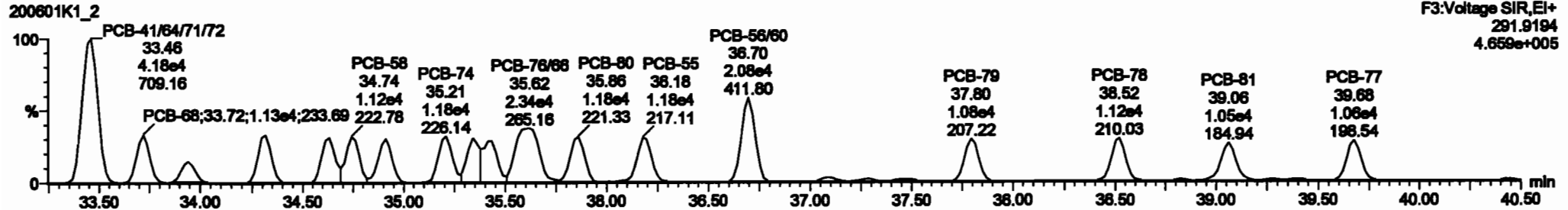
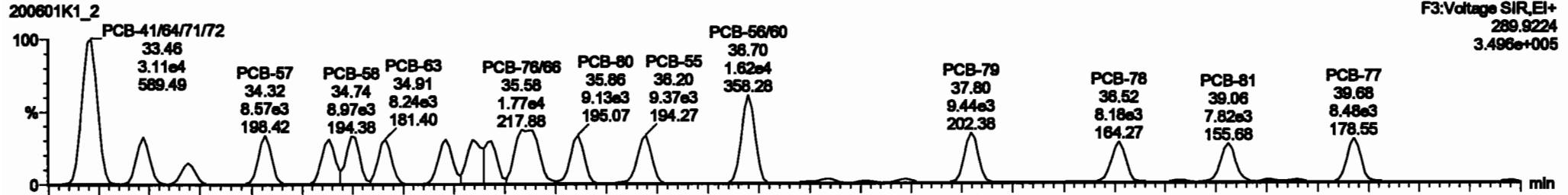
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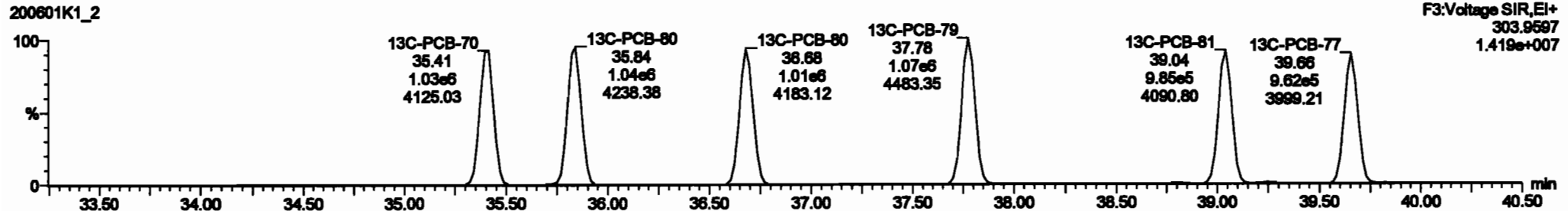
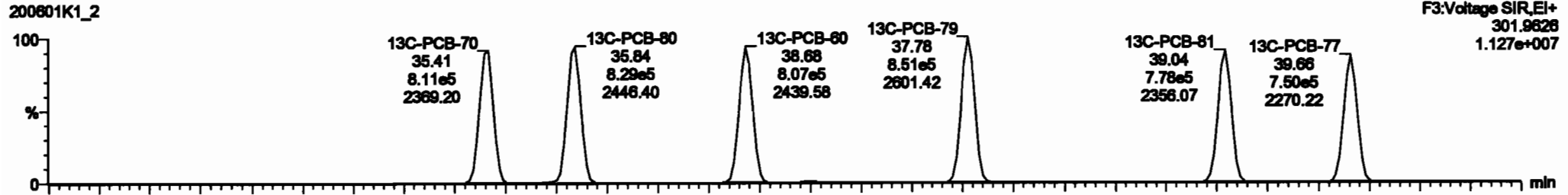
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Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

PCB-68

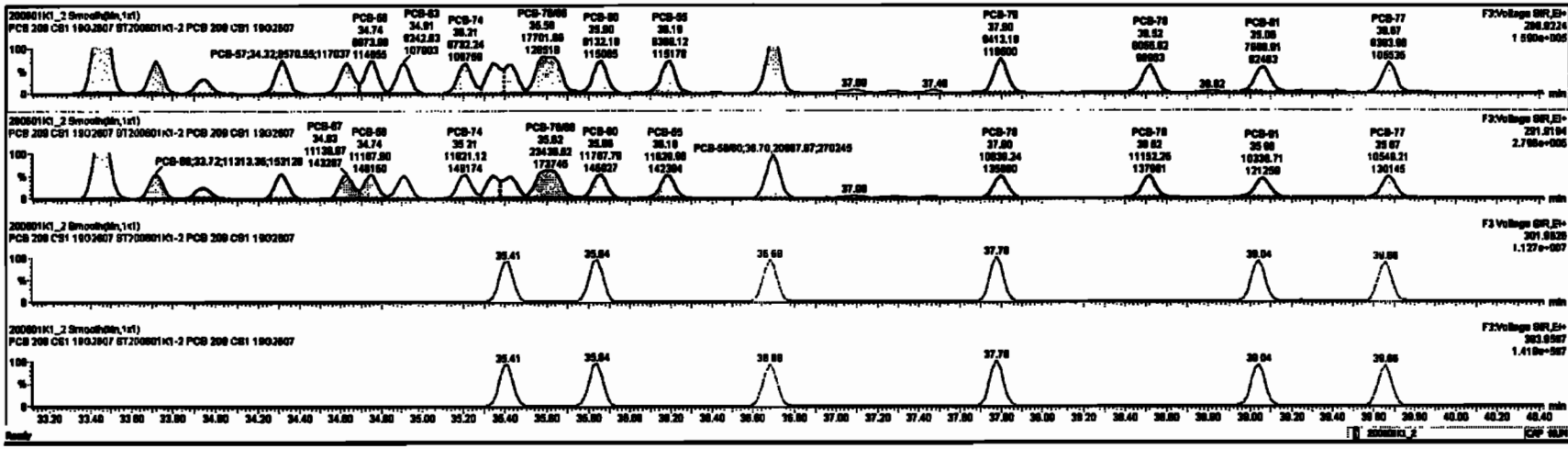


13C-PCB-60



#	Material	Step	RA	Qty	RFV	Value	ProdID	ET	Prod.A	RFV	RFV Full	Comp.	Qty	SL	RFPC
220	13C-PCB-170	7.10nd	0.05	NO	1.0000	1.000	46.67	46.67	0.000	0.000	NO	104.3	104	0.0072	
221	Total Mono-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	2.884		0.0238	2.884
222	Total Et-PCBs				1.0000	1.000	0.00	0.00	0.000	0.000	NO	11.38		0.227	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		0.238	23.18
230	4th Function Para-PCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	8.918		0.0780	8.918

#	Material	Step	RA	Qty	RFV	Value	ProdID	ET	Prod.A	RFV	RFV Full	Comp.	Qty	SL	RFPC
1	PCB-04	27.04	27.04	0.7800	1.0000	0.770	0.80	NO	0.00000	0.00000					
2	PCB-05	28.00	28.00	0.7800	0.4170	0.770	0.80	NO	0.00000	0.00163					
3	PCB-03	28.00	28.00	0.8000	7.8000	0.770	0.76	NO	0.00000	0.00021					
4	PCB-01	28.00	28.00	7.0000	0.0100	0.770	0.81	NO	0.00000	0.00700					
5	PCB-06	30.30	30.30	0.3400	0.0000	0.770	0.77	NO	0.00000	0.00000					
6	PCB-08	30.00	30.00	0.4300	7.0000	0.770	0.77	NO	1.00000	1.00000					
7	PCB-0200	31.20	31.20	1.4000	1.0000	0.770	0.78	NO	1.00000	1.00000					
8	PCB-22	31.01	31.01	0.0000	1.2100	0.770	0.73	NO	0.00000	0.00000					

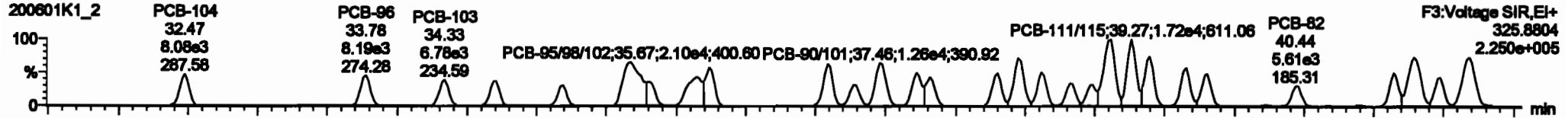


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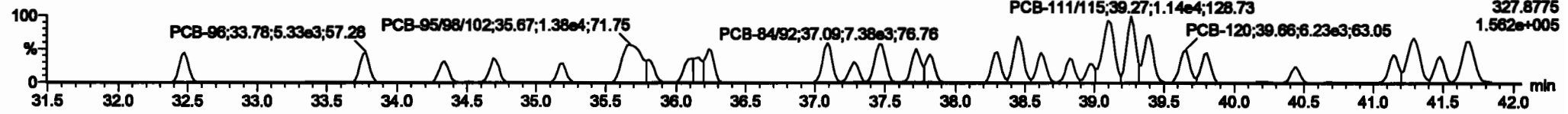
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

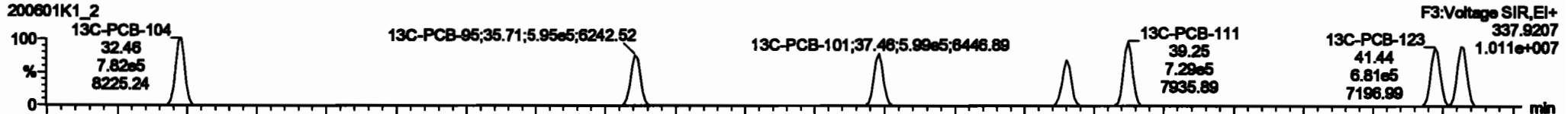
**PCB-104**



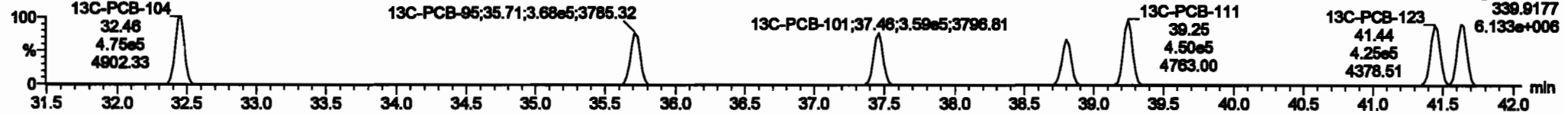
**200601K1\_2**



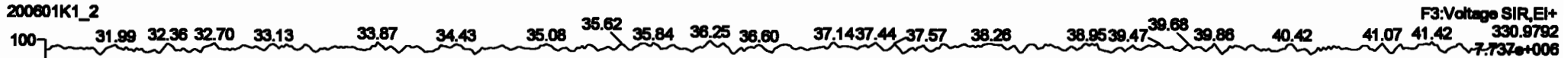
**13C-PCB-104**



**200601K1\_2**



**PFK3b**

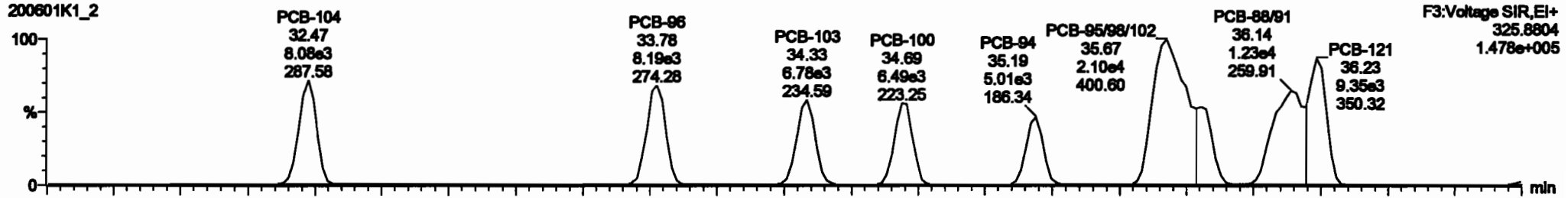


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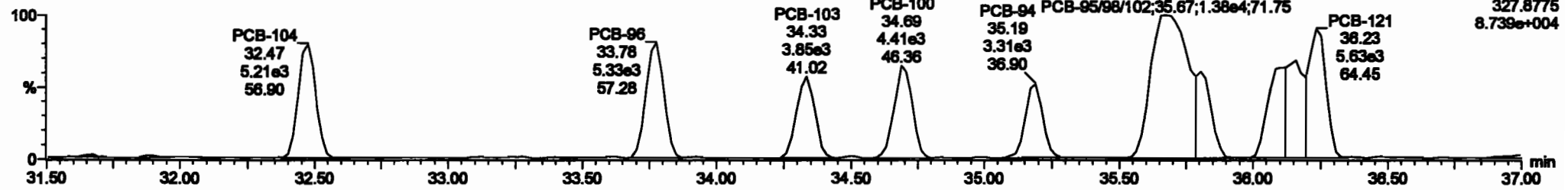
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Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

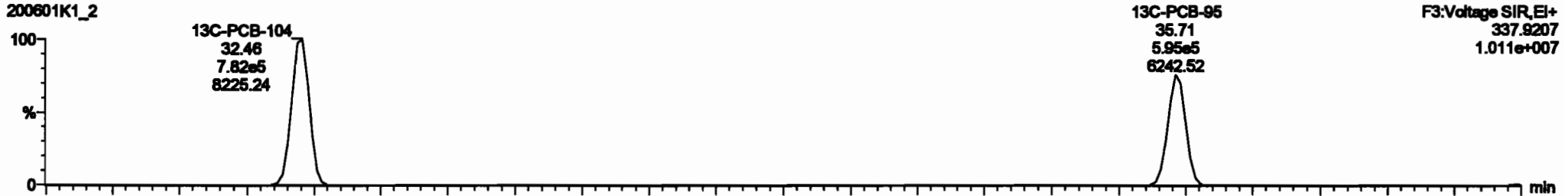
**PCB-96**



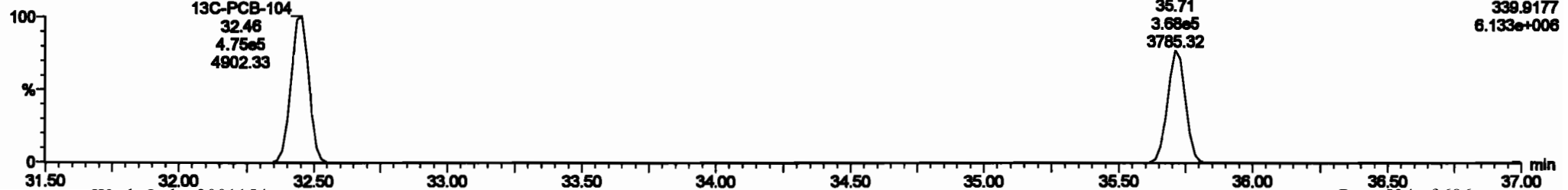
**200601K1\_2**



**13C-PCB-95**

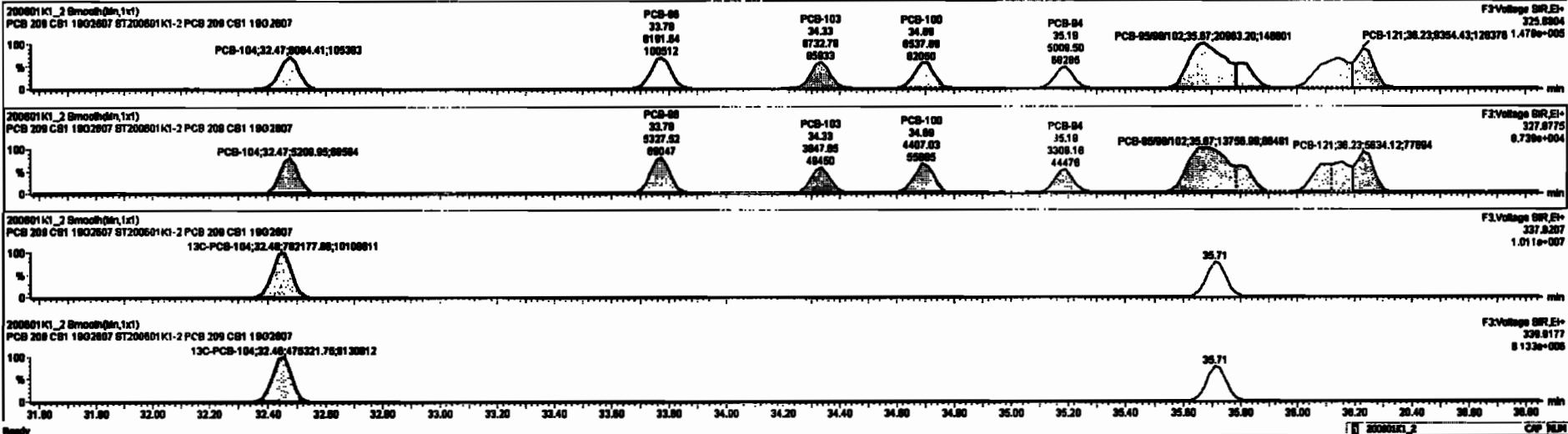


**200601K1\_2**



#	Name	Step	PA	Qty	QSP	Initial	Prod RT	RT	PSpec	QRT	QRT Fail	Cont.	Units	DL	EMPC
223	13C-PCB-178	7.1Inch	0.45	NO	1.2000	1.200	46.87	46.87	0.920	0.920	NO	104.2	104	0.0072	
224	Total Micro-PCBs				1.2000	1.200	0.00	0.00	0.000	0.000	NO	2.864		0.0200	2.864
225	Total Di-PCBs				1.2000	1.200	0.00	0.00	0.000	0.000	NO	11.38		0.227	11.38
226	2nd Function Tri-PCBs				1.2000	1.200	0.00	0.00	0.000	0.000	NO	7.832		0.0002	7.832
227	3rd Function Tri-PCBs				0.8000	1.200	0.00	0.00	0.000	0.000	NO	16.71		0.201	16.71
228	Total Tribo-PCBs				1.2000	1.200	0.00	0.00	0.000	0.000	NO	40.38		0.302	40.38
229	4th Function Pent-PCBs				1.2000	1.200	0.00	0.00	0.000	0.000	NO	30.87		0.070	30.87
230	6th Function Pent-PCBs				1.0735	1.200	0.00	0.00	0.000	0.000	NO	4.785		0.0713	4.785
231	2nd Function Hexa-PCBs				0.8000	1.200	0.00	0.00	0.000	0.000	NO	13.32		0.123	13.32
232	4th Function Hexa-PCBs				1.0218	1.200	0.00	0.00	0.000	0.000	NO	26.46		0.382	26.46
233	Total Hepta-PCBs				1.2000	1.200	0.00	0.00	0.000	0.000	NO	23.19		0.238	23.19
234	2nd 4th Function Octa-PCBs				1.0735	1.200	0.00	0.00	0.000	0.000	NO	4.785		0.0713	4.785

#	Name	Step	PA	Qty	QSP	Initial	Prod RT	RT	PSpec	QRT	QRT Fail	Cont.	Units	DL	EMPC
64	PCB-104				32.47	32.47	0.000e0	0.210e3	1.200	1.20	NO	0.94300	0.94218		
65	PCB-88				33.78	33.78	0.102e3	0.329e3	1.200	1.54	NO	0.93200	0.93176		
66	PCB-103				34.33	34.33	0.723e3	3.898e3	1.200	1.75	NO	0.88000	0.88044		
67	PCB-100				34.88	34.88	0.838e3	4.407e3	1.200	1.48	NO	0.91300	0.91274		
68	PCB-84				35.18	35.18	0.071e3	3.308e3	1.200	1.51	NO	0.91000	0.90980		
69	PCB-85/88/102				35.87	35.87	2.088e4	1.378e4	1.200	1.82	NO	2.8828	2.8822		
70	PCB-80				36.78	36.81	0.282e3	3.332e3	1.200	1.88	NO	0.88700	0.88728		
71	PCB-88/81				38.14	38.14	1.228e4	0.007e3	1.200	1.82	NO	1.8780	1.8781		

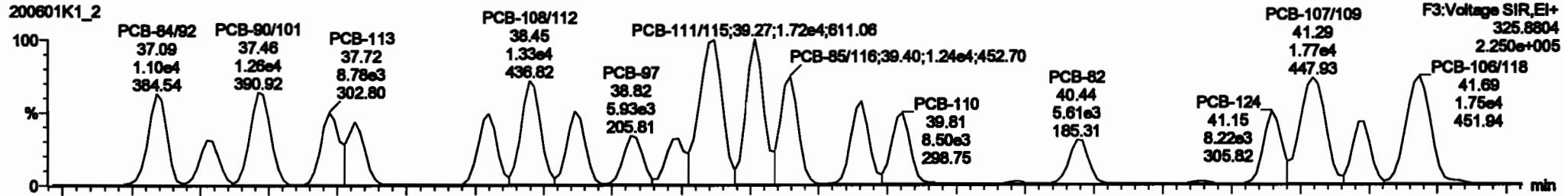


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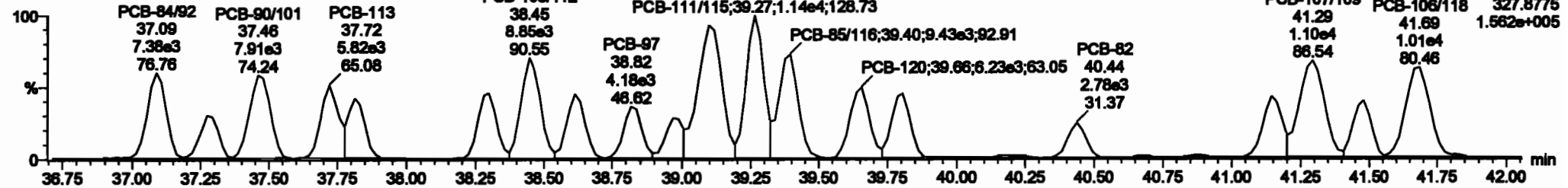
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Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

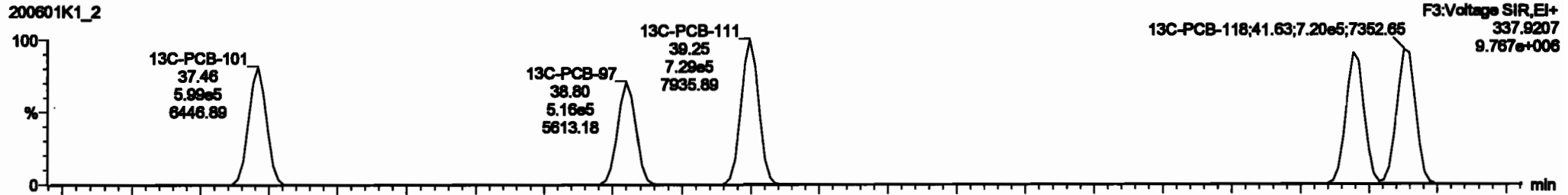
**PCB-119**



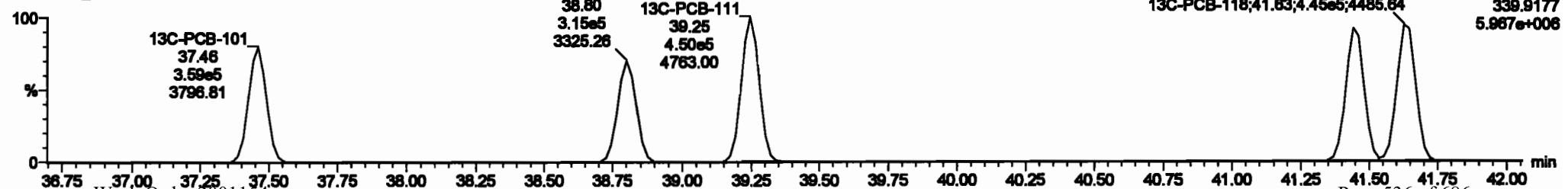
**200601K1\_2**



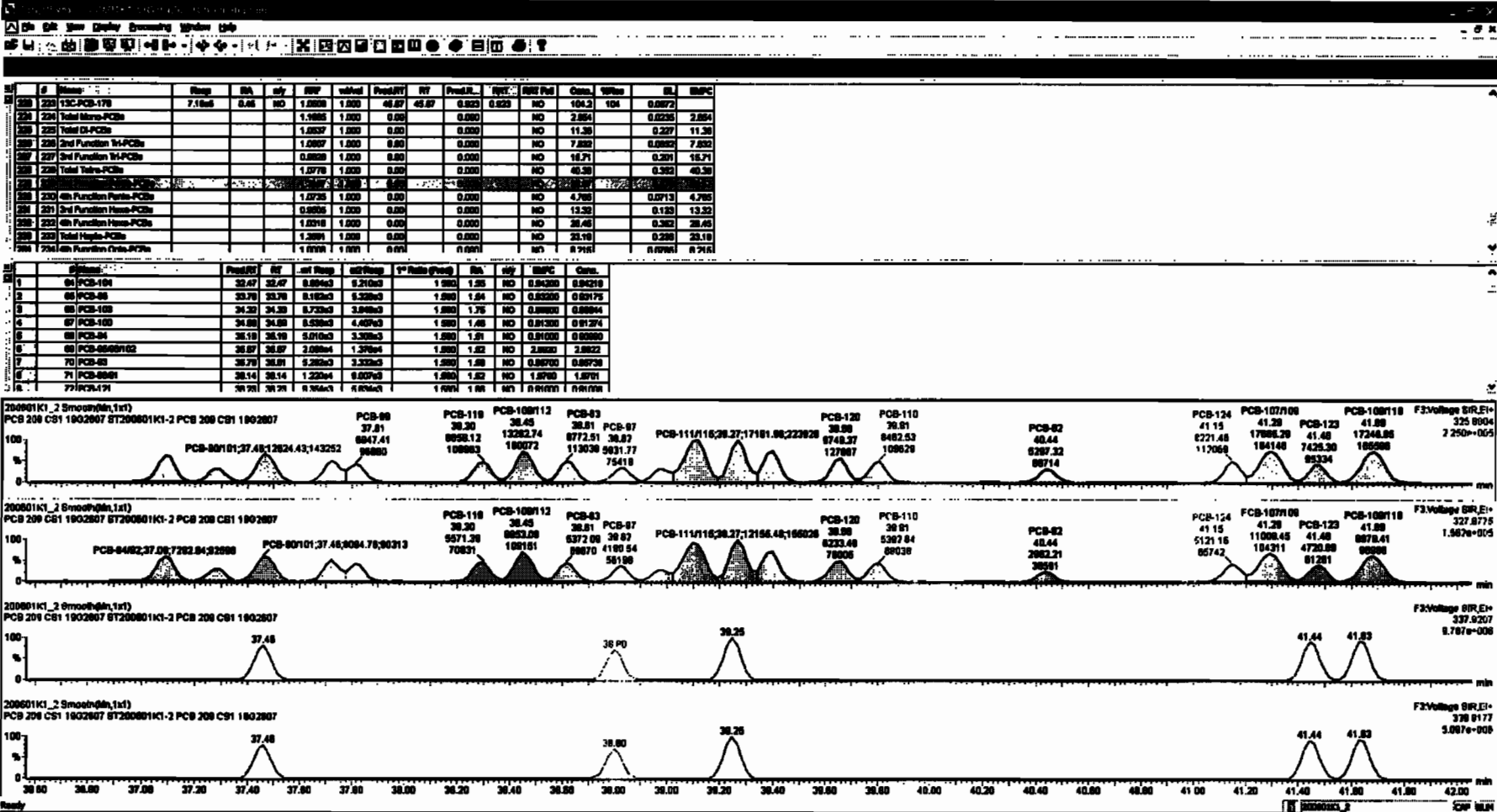
**13C-PCB-111**



**200601K1\_2**





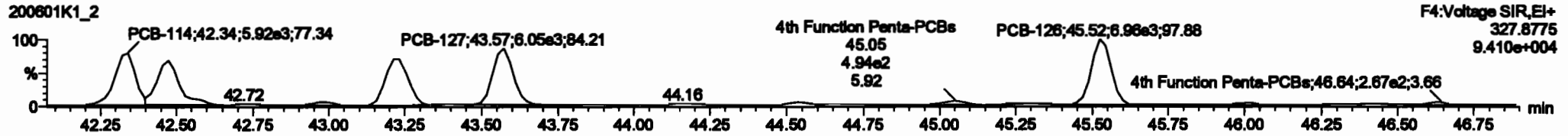
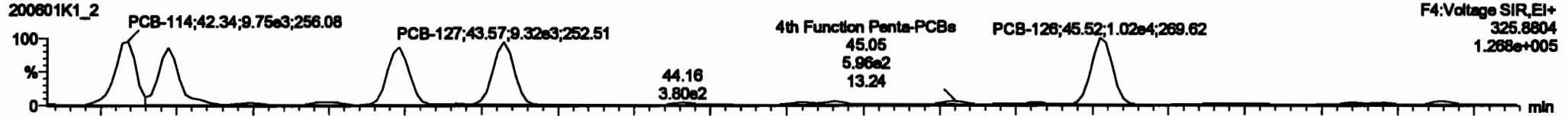


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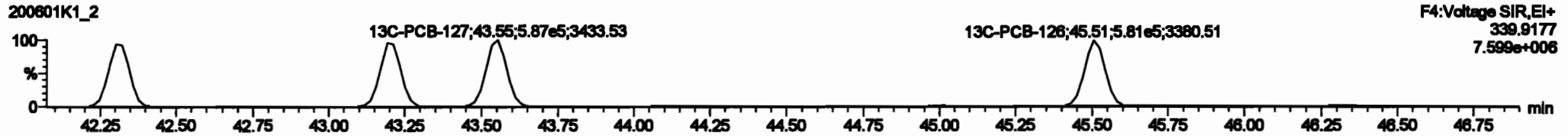
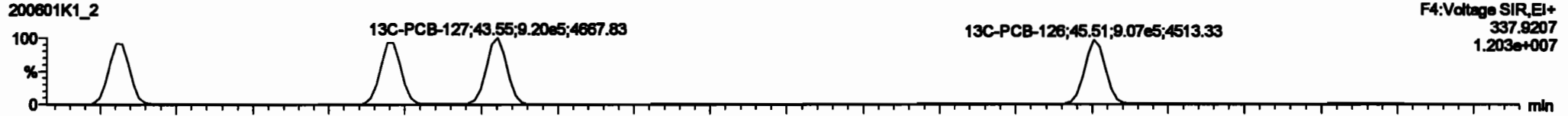
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Name: 200601K1\_2, Date: 01-Jun-2020, Time: 13:18:19, ID: ST200601K1-2 PCB 209 CS1 19G2607, Description: PCB 209 CS1 19G2607

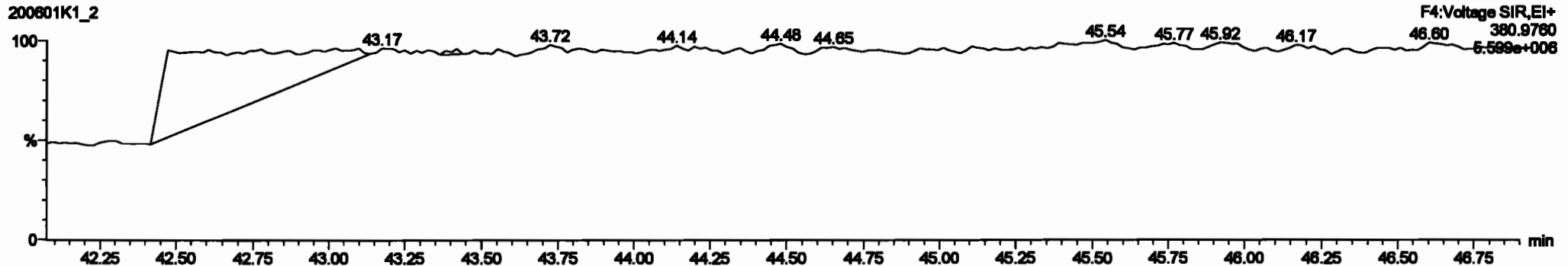
**PCB-114**



**13C-PCB-114**

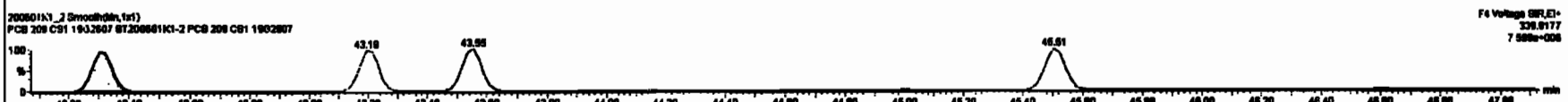
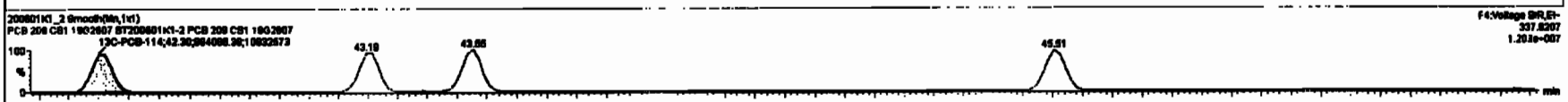
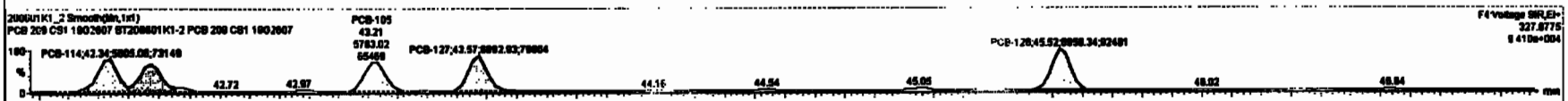
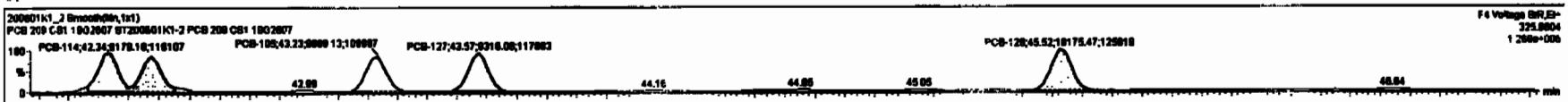


**PFK4a**



#	Name	Area	RA	Wt	FWT	Subst	ProdRT	RT	ProdSt	FWT	MS-PA	Comp	MS-PA	IS	MS-PC
220	12C-PCB-170	7.18e5	0.45	NO	1.0000	1.000	45.97	45.97	0.023	0.023	NO	104.2	104	0.0072	
224	Total Mono-PCBs				1.1886	1.000	0.00	0.000			NO	2.804		0.0206	2.804
226	Total Di-PCBs				1.0037	1.000	0.00	0.000			NO	11.38		0.327	11.38
228	Total Tri-PCBs				1.0007	1.000	0.00	0.000			NO	7.832		0.0002	7.832
229	2nd Puriton Tri-PCBs				0.0020	1.000	0.00	0.000			NO	16.71		0.301	16.71
230	Total Tetra-PCBs				1.0770	1.000	0.00	0.000			NO	40.38		0.302	40.38
231	2nd Puriton Tetra-PCBs				1.2167	1.000	0.00	0.000			NO	38.67		0.670	38.67
232	Total Penta-PCBs				1.0000	1.000	0.00	0.000			NO	13.32		0.123	13.32
233	2nd Puriton Penta-PCBs				0.0000	1.000	0.00	0.000			NO	28.48		0.307	28.48
234	Total Hexa-PCBs				1.0016	1.000	0.00	0.000			NO	23.10		0.320	23.10
235	2nd Puriton Hexa-PCBs				1.0001	1.000	0.00	0.000			NO	8.918		0.098	8.918

#	Name	Area	RT	FWT	Subst	ProdRT	RT	ProdSt	FWT	MS-PA	Comp	MS-PA	IS	MS-PC
1	53 PCB-114	42.35	42.34	0.170e3	0.000e0	1.000	1.04	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	68 PCB-108	43.31	43.23	0.000e3	0.700e3	1.000	1.00	NO	0.00700	0.00011				
4	69 PCB-127	43.57	43.57	0.310e3	0.000e3	1.000	1.03	NO	0.00000	0.00032				
5	67 PCB-128	45.82	45.82	1.010e4	0.000e3	1.000	1.08	NO	0.00200	0.00214				



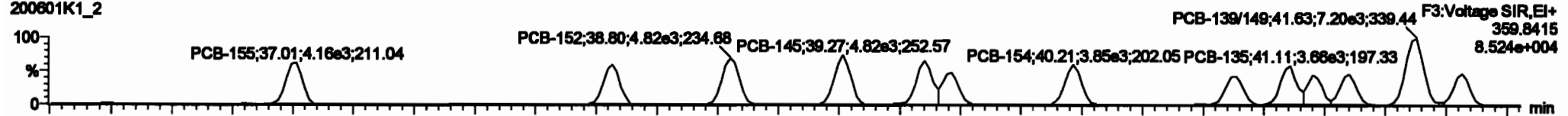
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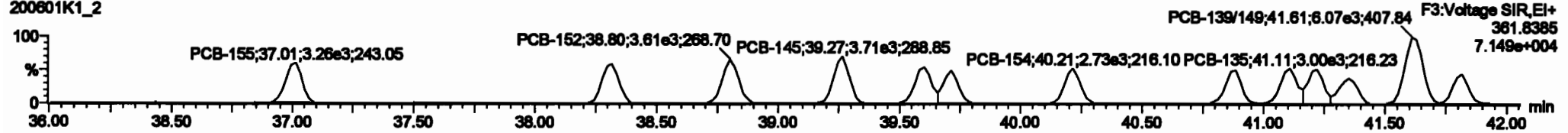
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**PCB-155**

200601K1\_2

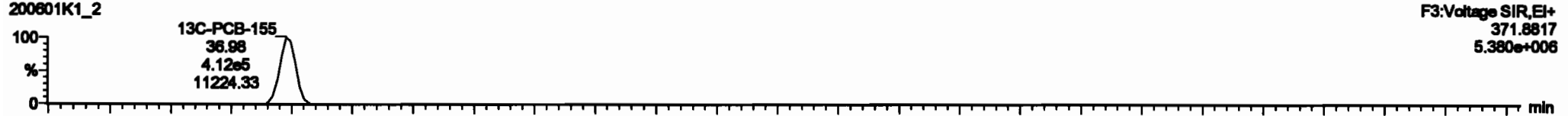


200601K1\_2

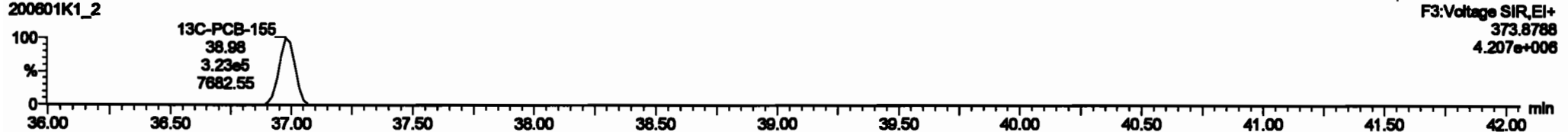


**13C-PCB-155**

200601K1\_2

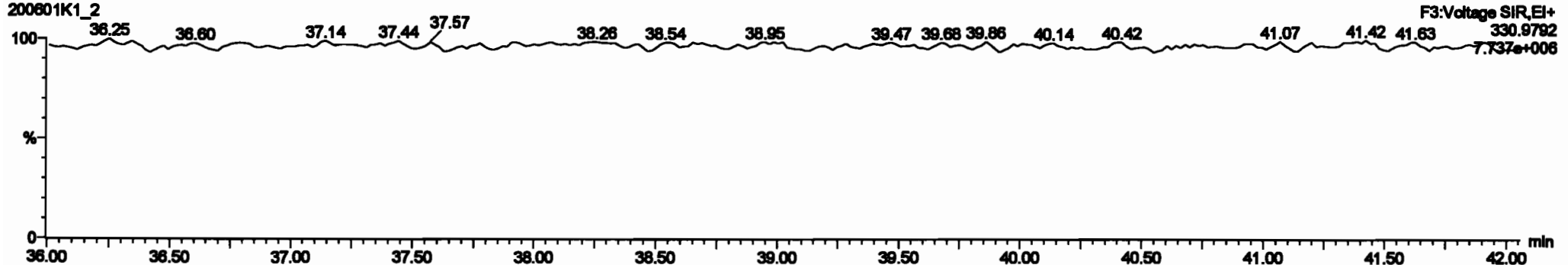


200601K1\_2



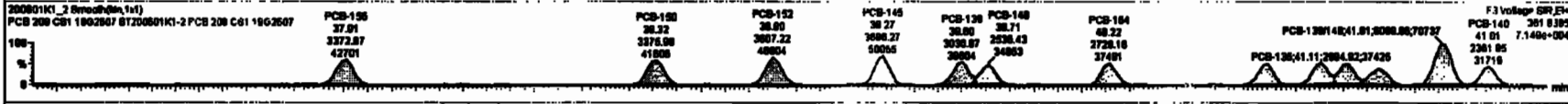
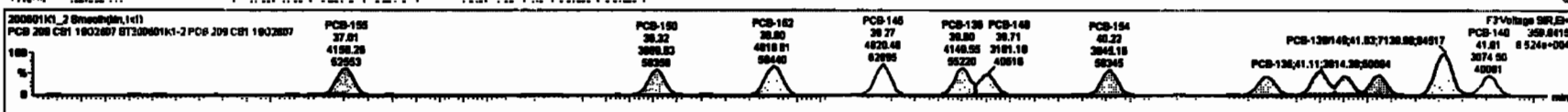
**PFK3c**

200601K1\_2



#	Name	Range	Min	Max	PPM	Volts	PPM	Volts	PPM	Volts	PPM	Volts	PPM	Volts	PPM	Volts	
220	13C-PCB-178	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		0.0236	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				1.0037	1.000	0.00	0.00	0.000	0.000	ND	7.830		0.0060	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		
229	Total Penta-PCBs				1.0778	1.000	0.00	0.00	0.000	0.000	ND	48.30		0.362	48.30		
230	2nd Function Penta-PCBs				1.3137	1.000	0.00	0.00	0.000	0.000	ND	38.37		0.076	38.37		
231	4th Function Penta-PCBs				1.0736	1.000	0.00	0.00	0.000	0.000	ND	4.788		0.0712	4.788		
232	6th Function Hexa-PCBs				0.0002	1.000	0.00	0.00	0.000	0.000	ND	0.000		0.000	0.000		
233	Total Hexa-PCBs				1.0718	1.000	0.00	0.00	0.000	0.000	ND	28.48		0.232	28.48		
234	Total Hepta-PCBs				1.0001	1.000	0.00	0.00	0.000	0.000	ND	23.18		0.228	23.18		
235	2nd 4th Function Octa-PCBs				1.0768	1.000	0.00	0.00	0.000	0.000	ND	6.716		0.0760	6.716		

#	Name	Preval	Ref	GC-MS	GC-MS	GC-MS	GC-MS	GC-MS	GC-MS	GC-MS	GC-MS	GC-MS	GC-MS	GC-MS	GC-MS	GC-MS
88	PCB-188	38.88	37.81	4.188e3	3.27e3	1.240	1.29	ND	0.89180	0.89137						
89	PCB-189	38.33	38.33	3.888e3	3.37e3	1.240	1.18	ND	0.91280	0.91238						
90	PCB-192	38.88	38.88	4.817e3	3.807e3	1.240	1.24	ND	0.88880	0.88881						
101	PCB-145	38.27	38.27	4.828e3	3.88e3	1.240	1.21	ND	0.87480	0.87388						
102	PCB-138	38.88	38.88	4.188e3	3.81e3	1.240	1.27	ND	0.89070	0.88978						
103	PCB-148	38.71	38.71	3.187e3	2.59e3	1.240	1.28	ND	0.89980	0.89888						
104	PCB-158	48.21	48.21	3.88e3	2.78e3	1.240	1.41	ND	0.87280	0.87218						
105	PCB-161	48.88	48.88	3.58e3	2.88e3	1.240	1.16	ND	1.0070	1.0070						
106	PCB-136	41.11	41.11	3.81e3	2.88e3	1.240	1.27	ND	1.0040	1.0044						

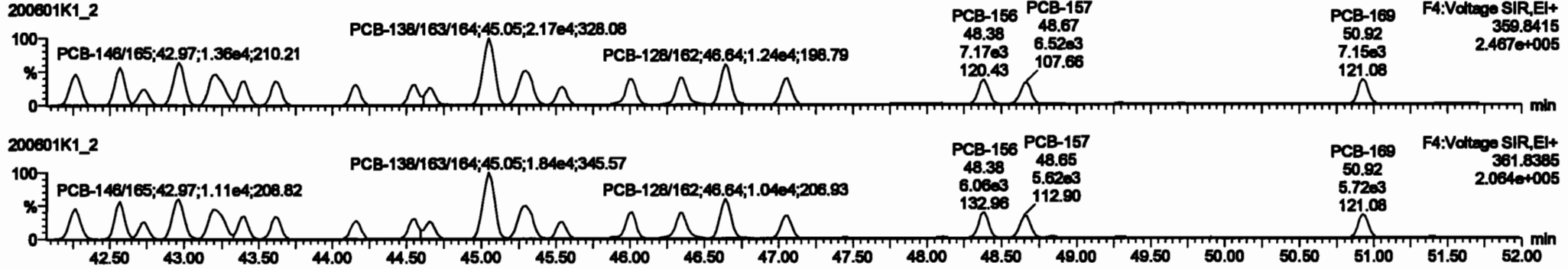


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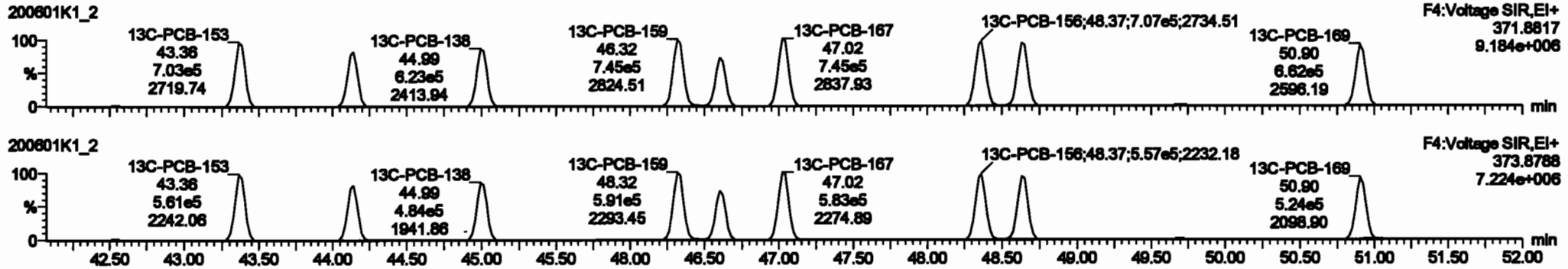
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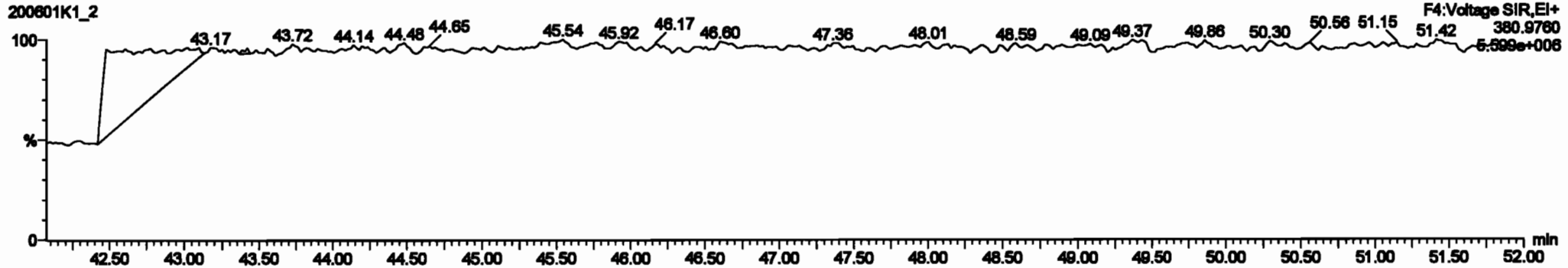
PCB-134/143



13C-PCB-153

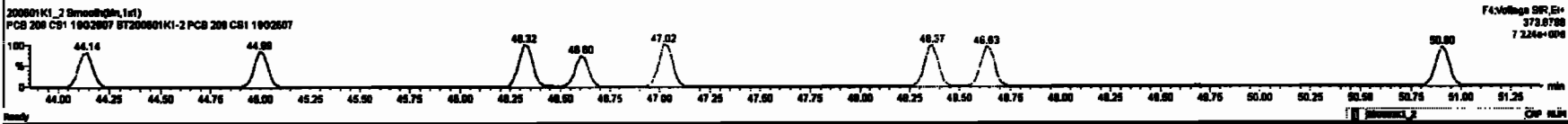
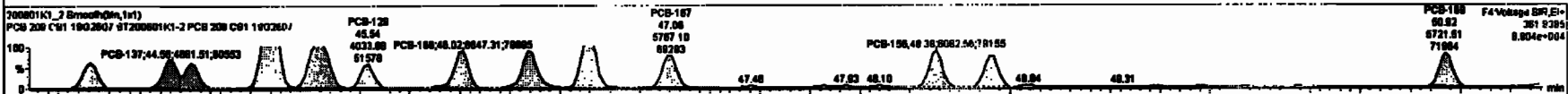
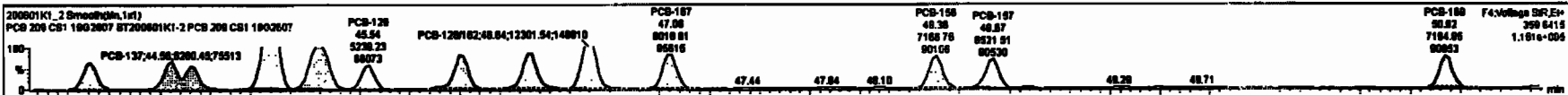


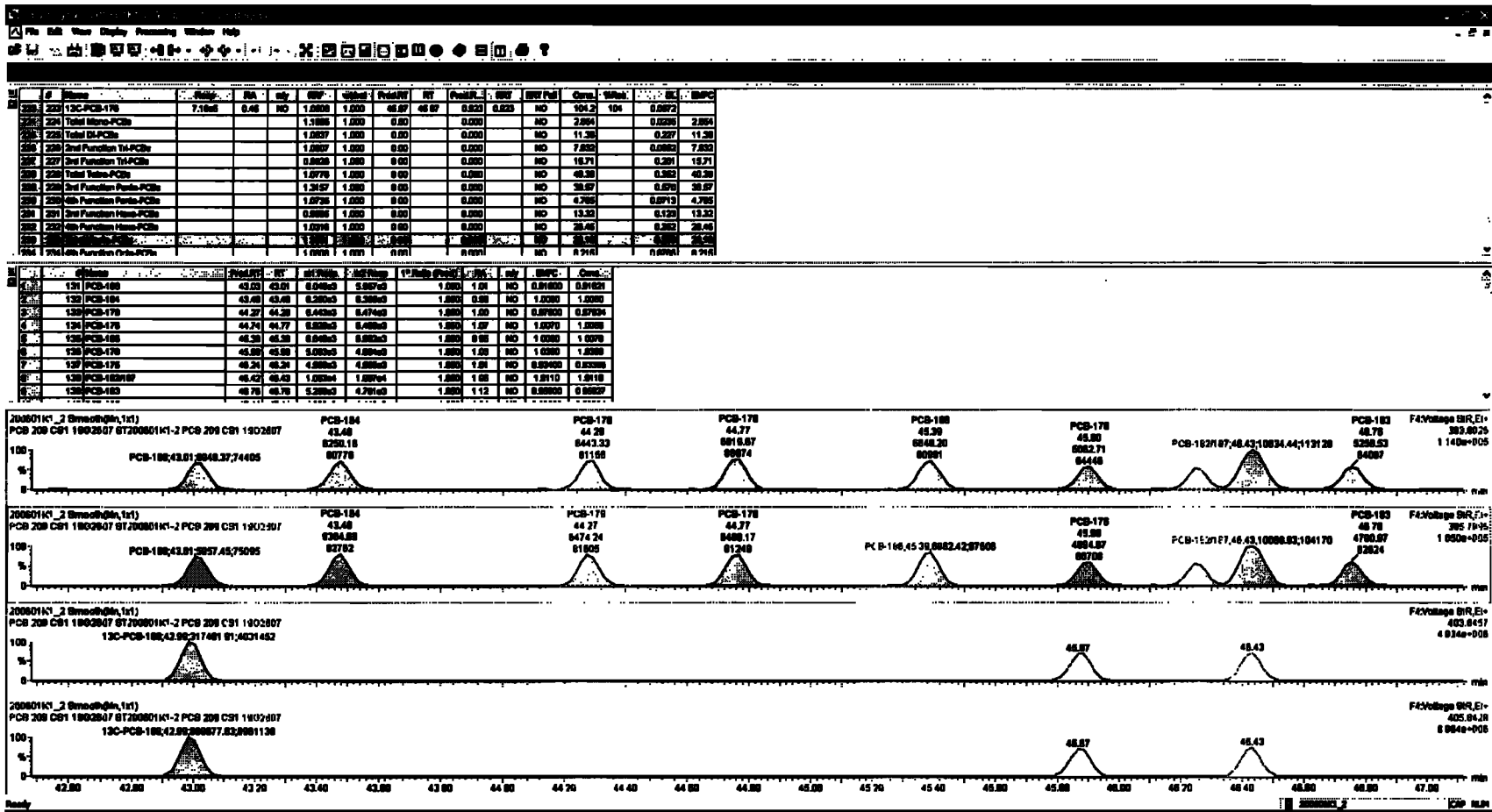
PFK4b



#	Name	Time	SA	SI	RP	Initial	Final	RF	Final	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
220	13C-PCB-176	7.18e5	0.45	NO	1.0000	1.0000	46.87	46.87	0.0000	0.0000	NO	104.2	104	0.0072						
221	Total Mono-PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	2.884		0.0000	2.884					
222	Total Di-PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	11.30		0.227	11.30					
223	2nd Furthest Tri-PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	7.832		0.0000	7.832					
224	2nd Furthest Tetra-PCBs				0.8828	1.0000	0.00	0.00	0.0000	0.0000	NO	15.71		0.291	15.71					
225	Total Tetra-PCBs				1.0778	1.0000	0.00	0.00	0.0000	0.0000	NO	40.38		0.382	40.38					
226	2nd Furthest Penta-PCBs				1.2157	1.0000	0.00	0.00	0.0000	0.0000	NO	38.57		0.676	38.57					
227	3rd Furthest Penta-PCBs				1.0728	1.0000	0.00	0.00	0.0000	0.0000	NO	4.788		0.0713	4.788					
228	2nd Furthest Hexa-PCBs				0.8828	1.0000	0.00	0.00	0.0000	0.0000	NO	13.32		0.123	13.32					
229	3rd Furthest Hexa-PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	20.47		0.188	20.47					
230	Total Hepta-PCBs				1.3891	1.0000	0.00	0.00	0.0000	0.0000	NO	23.18		0.238	23.18					
231	2nd Furthest Octa-PCBs				1.0000	1.0000	0.00	0.00	0.0000	0.0000	NO	8.918		0.098	8.918					

#	Name	Time	SA	SI	RP	Initial	Final	RF	Final	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
111	PCB-126A43	42.28	42.28	0.897e3	0.000e3	1.240	1.24	NO	1.8820	1.8818									
112	PCB-126A33	42.58	42.57	1.005e3	0.070e3	1.240	1.22	NO	1.8820	1.8818									
113	PCB-142	42.73	42.74	4.818e3	3.874e3	1.240	1.24	NO	0.83280	0.83258									
114	PCB-148A88	42.87	42.87	1.285e3	1.114e3	1.240	1.22	NO	1.8220	1.8222									
115	PCB-128A81	43.28	43.21	1.281e3	1.128e3	1.240	1.18	NO	1.8840	1.8838									
116	PCB-183	43.58	43.41	7.238e3	5.748e3	1.240	1.28	NO	0.88000	0.88004									
117	PCB-188	43.81	43.81	7.281e3	5.888e3	1.240	1.30	NO	0.84800	0.84882									
118	PCB-191	44.18	44.18	5.747e3	4.482e3	1.240	1.28	NO	0.84100	0.84128									
119	PCB-137	44.88	44.98	8.280e3	4.882e3	1.240	1.24	NO	0.83100	0.83080									







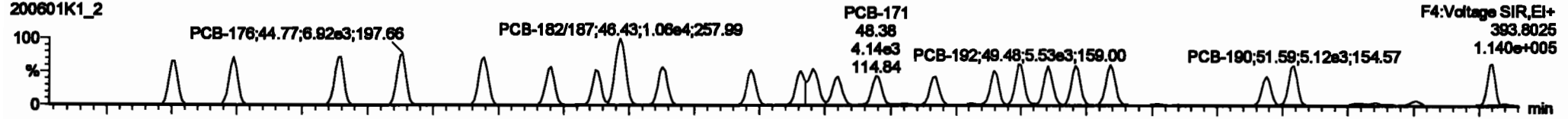
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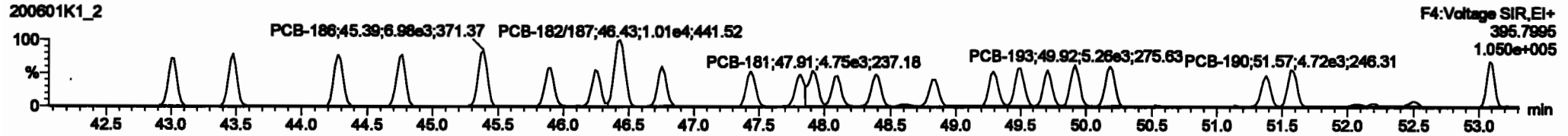
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**PCB-188**

200601K1\_2

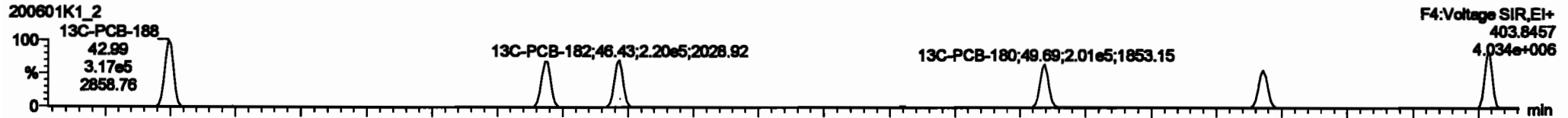


200601K1\_2

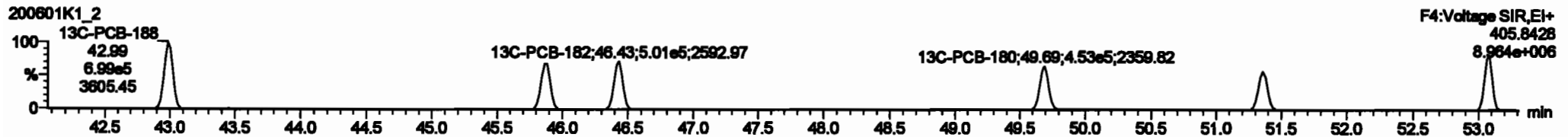


**13C-PCB-188**

200601K1\_2

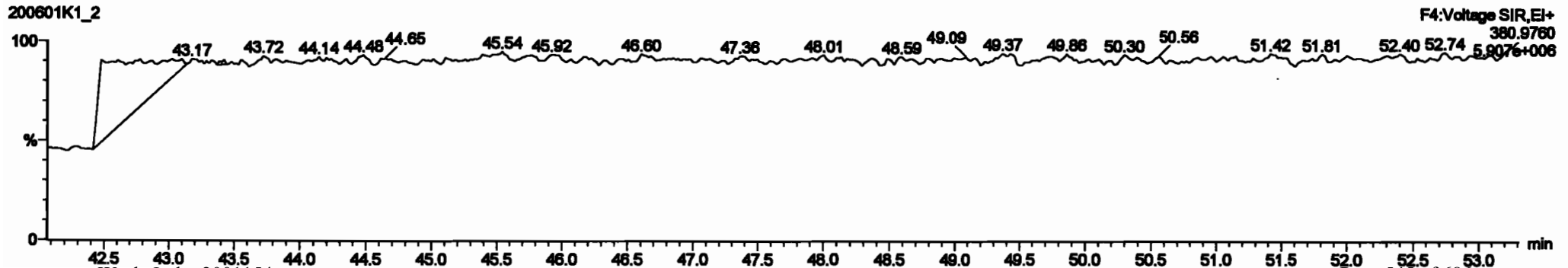


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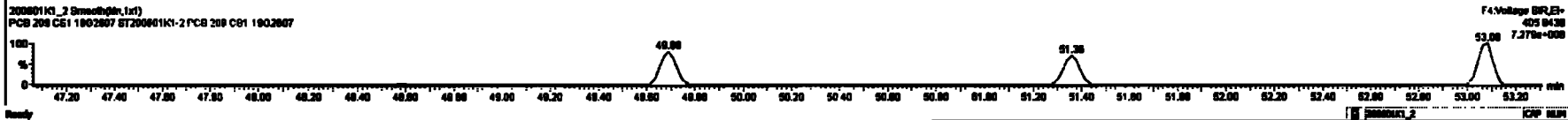
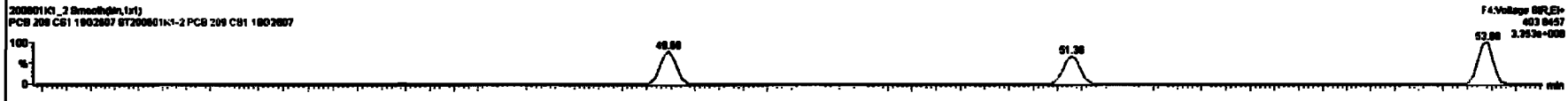
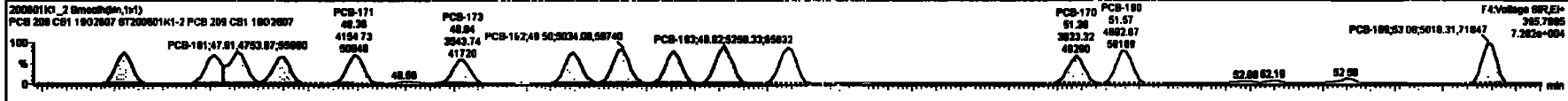
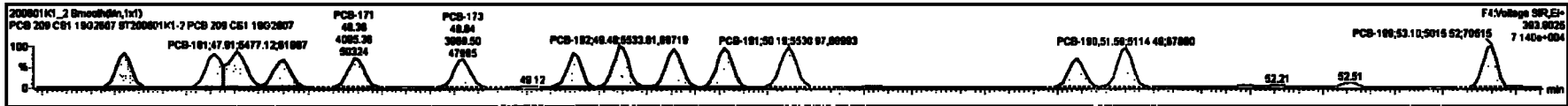
**PFK4c**

200601K1\_2



Peak	Area	Height	Width	Retention Time	Integration	Response	Concentration	Mass	Charge	Mass	Charge	Mass	Charge
220	134.00	7.10e5	0.45	ND	1.0000	1.000	46.87	46.87	0.000	0.003	ND	104.2	104
221	2.00				1.1885	1.000	0.00	0.000	0.000	0.000	ND	2.884	0.0000
222	11.38				1.0037	1.000	0.00	0.000	0.000	0.000	ND	11.38	0.0000
223	7.800				1.0007	1.000	0.00	0.000	0.000	0.000	ND	7.800	0.0000
224	16.71				0.9928	1.000	0.00	0.000	0.000	0.000	ND	16.71	0.0000
225	40.30				1.0078	1.000	0.00	0.000	0.000	0.000	ND	40.30	0.0000
226	38.97				1.0167	1.000	0.00	0.000	0.000	0.000	ND	38.97	0.0000
227	4.785				1.0035	1.000	0.00	0.000	0.000	0.000	ND	4.785	0.0000
228	13.30				0.9905	1.000	0.00	0.000	0.000	0.000	ND	13.30	0.0000
229	28.45				1.0018	1.000	0.00	0.000	0.000	0.000	ND	28.45	0.0000
230	30.10				1.0000	1.000	0.00	0.000	0.000	0.000	ND	30.10	0.0000
231	8.916				1.0000	1.000	0.00	0.000	0.000	0.000	ND	8.916	0.0000

Peak	Area	Height	Width	Retention Time	Integration	Response	Concentration	Mass	Charge	Mass	Charge
131	43.00	43.01	0.00e0	0.00e0	1.000	1.00	ND	0.00000	0.00000		
132	43.48	43.48	0.00e0	0.00e0	1.000	0.00	ND	1.00000	1.00000		
133	44.20	44.20	0.00e0	0.00e0	1.000	1.00	ND	0.00000	0.00000		
134	44.74	44.77	0.00e0	0.00e0	1.000	1.00	ND	1.00000	1.00000		
135	46.38	46.38	0.00e0	0.00e0	1.000	0.00	ND	1.00000	1.00000		
136	46.88	46.88	0.00e0	0.00e0	1.000	1.00	ND	1.00000	1.00000		
137	48.24	48.24	0.00e0	0.00e0	1.000	1.00	ND	0.00000	0.00000		
138	48.43	48.43	1.00e0	1.00e0	1.000	1.00	ND	1.00000	1.00000		
139	48.78	48.78	0.00e0	0.00e0	1.000	1.12	ND	0.00000	0.00000		



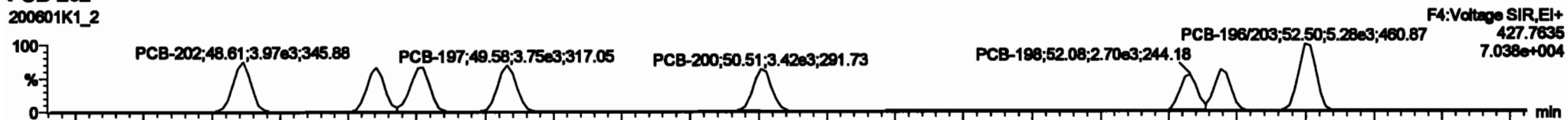
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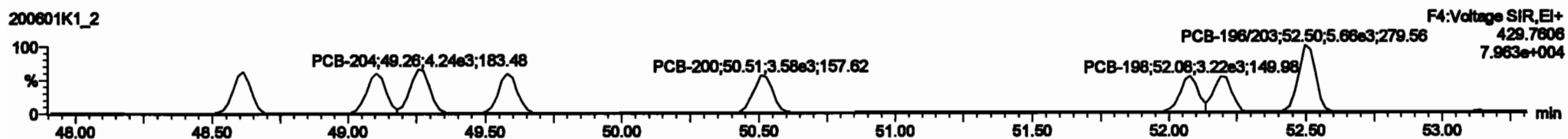
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**PCB-202**

200601K1\_2



200601K1\_2

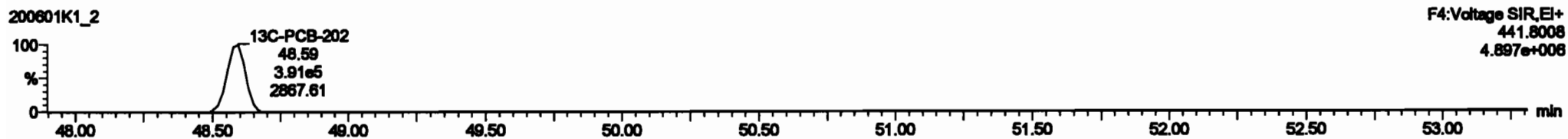


**13C-PCB-202**

200601K1\_2

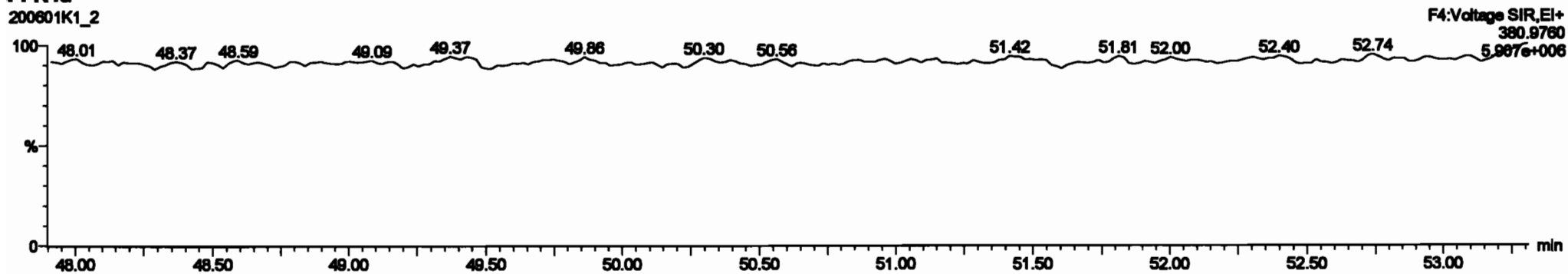


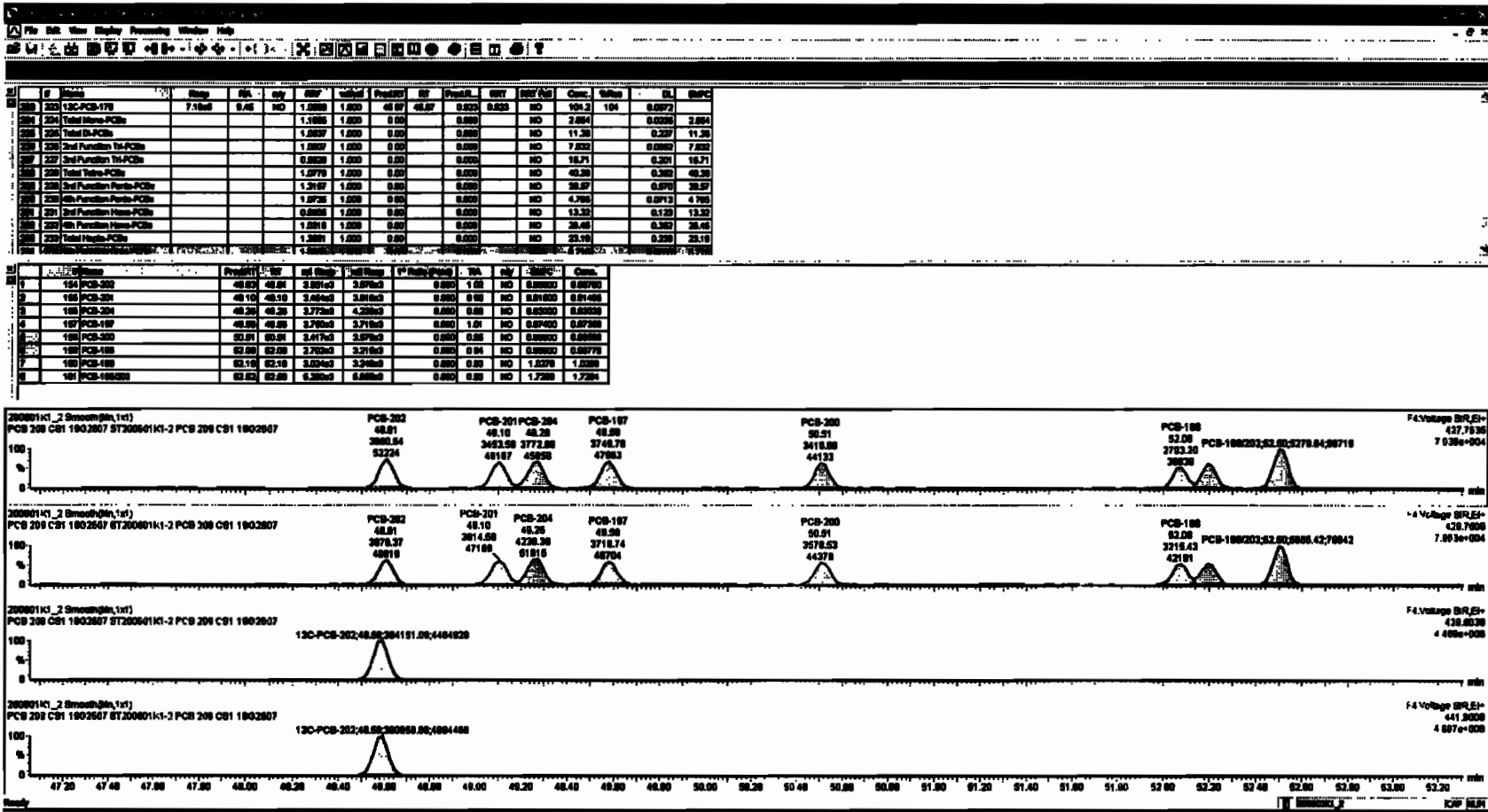
200601K1\_2



**PFK4d**

200601K1\_2





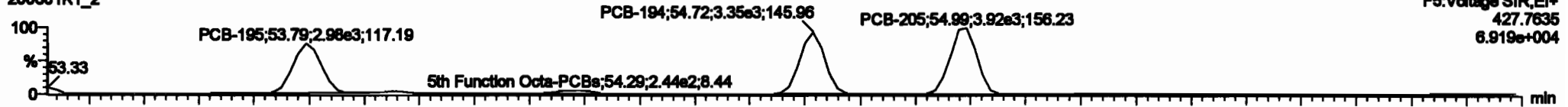
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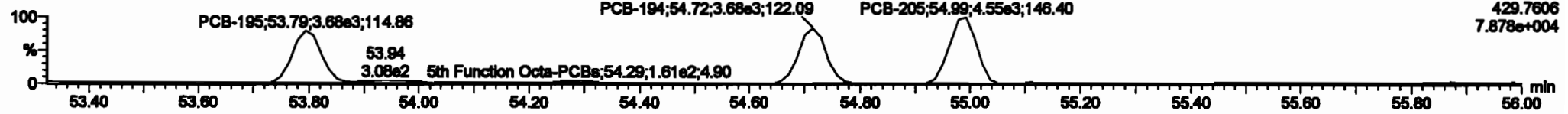
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**PCB-195**

200601K1\_2

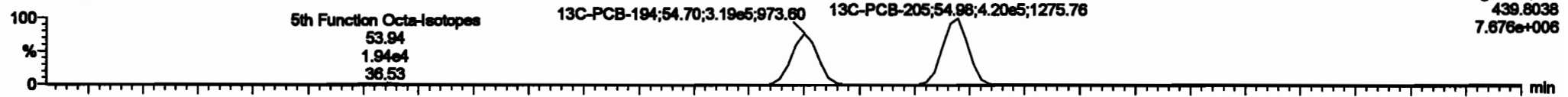


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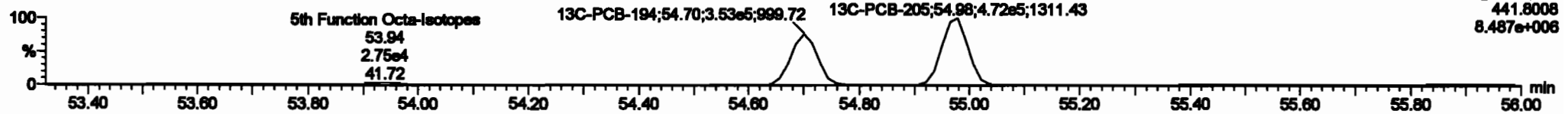


**13C-PCB-194**

200601K1\_2

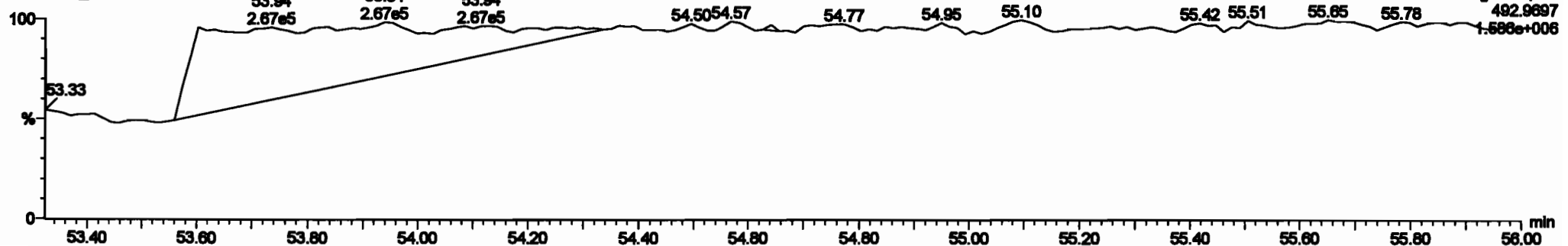


200601K1\_2



**PFK5a**

200601K1\_2



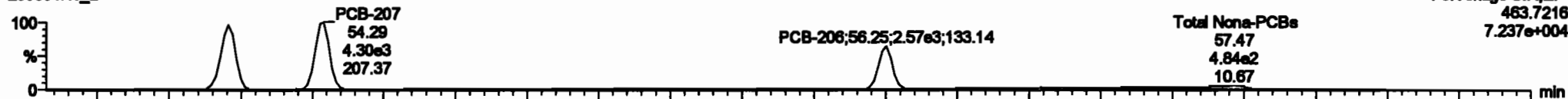
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 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

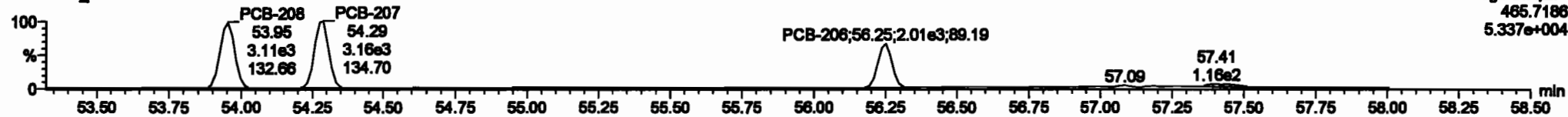
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**PCB-208**

200601K1\_2

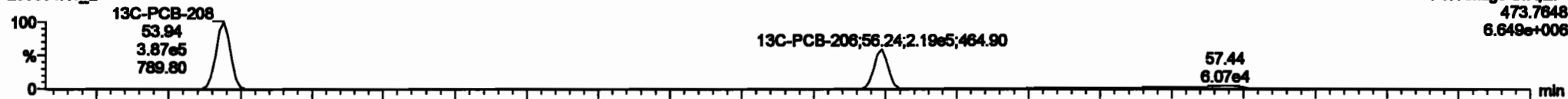


200601K1\_2

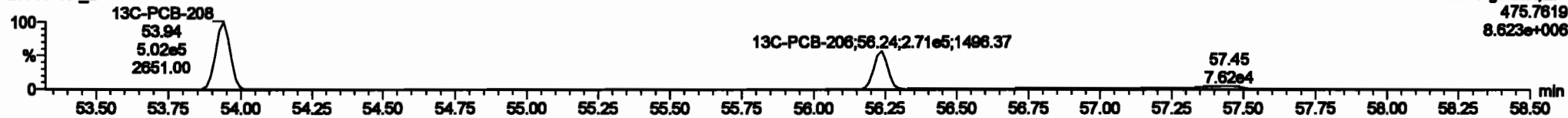


**13C-PCB-208**

200601K1\_2

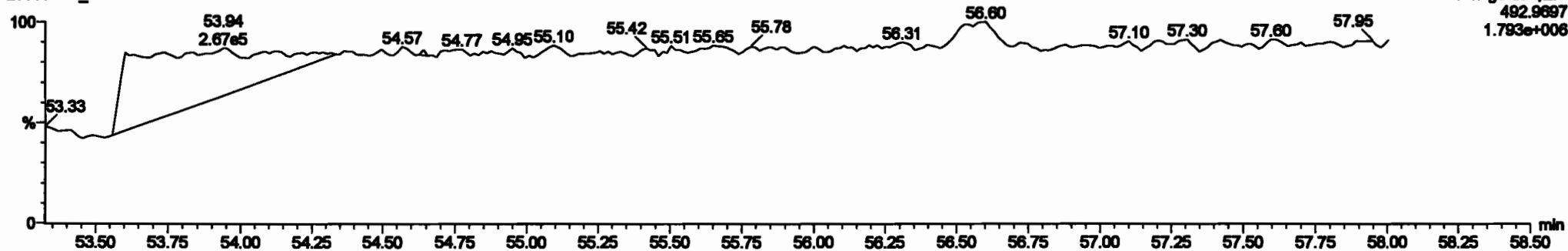


200601K1\_2



**PFK5**

200601K1\_2



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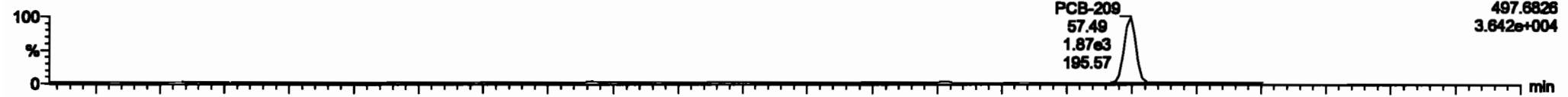
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

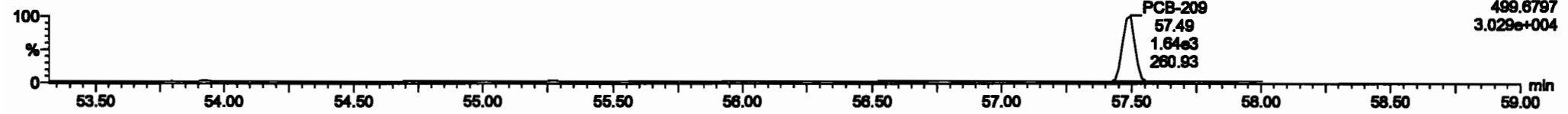
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**PCB-209**

200601K1\_2

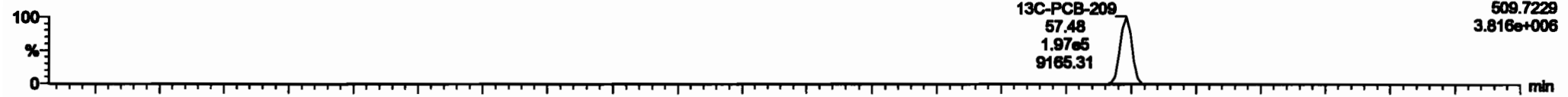


200601K1\_2

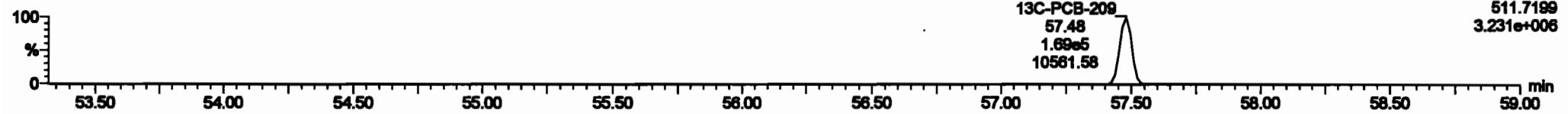


**13C-PCB-209**

200601K1\_2

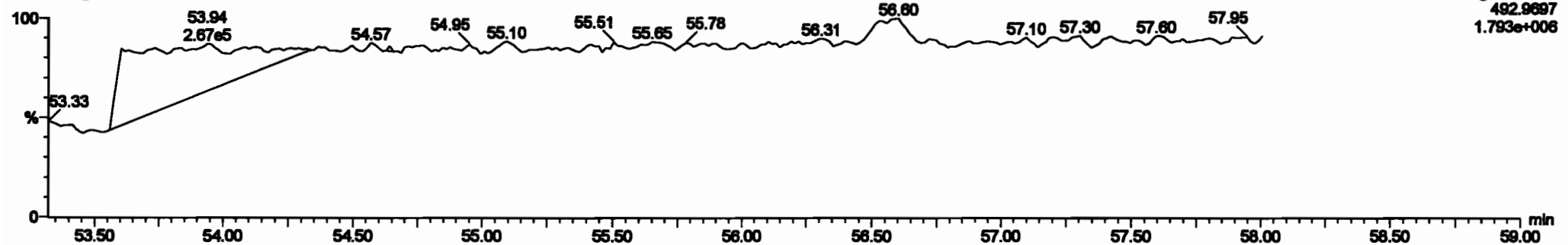


200601K1\_2



**PFK5b**

200601K1\_2



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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

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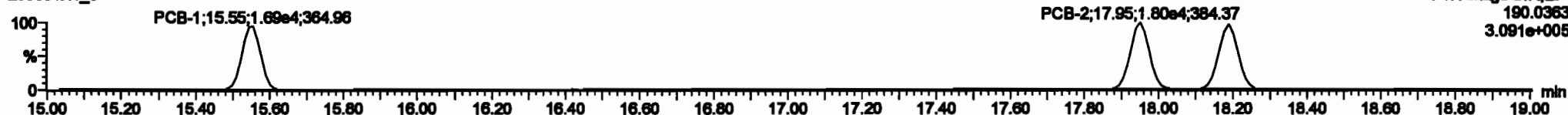
PCB-1

200601K1\_3



F1:Voltage SIR,EI+  
188.0393  
9.727e+005

200601K1\_3



F1:Voltage SIR,EI+  
190.0363  
3.091e+005

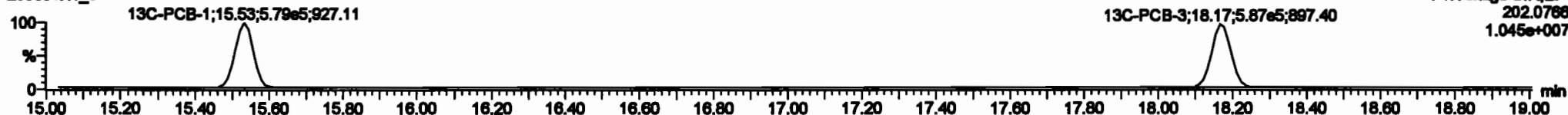
13C-PCB-1

200601K1\_3



F1:Voltage SIR,EI+  
200.0795  
3.385e+007

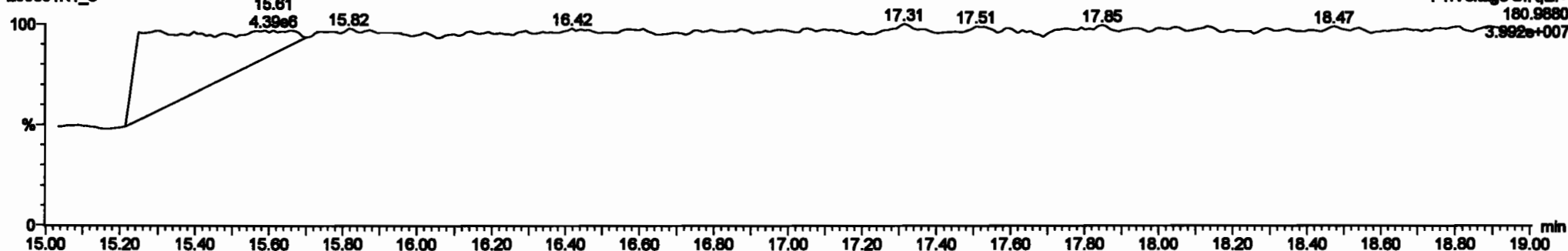
200601K1\_3



F1:Voltage SIR,EI+  
202.0768  
1.045e+007

PFK1

200601K1\_3



F1:Voltage SIR,EI+  
180.9880  
3.992e+007



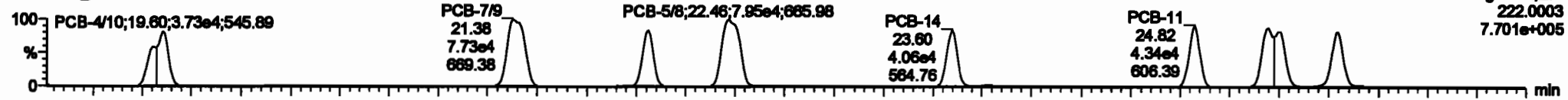
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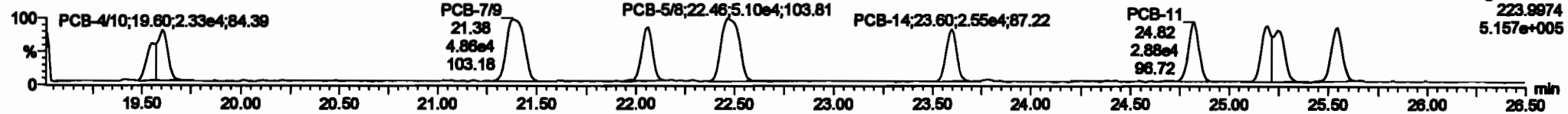
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PCB-4/10

200601K1\_3



200601K1\_3

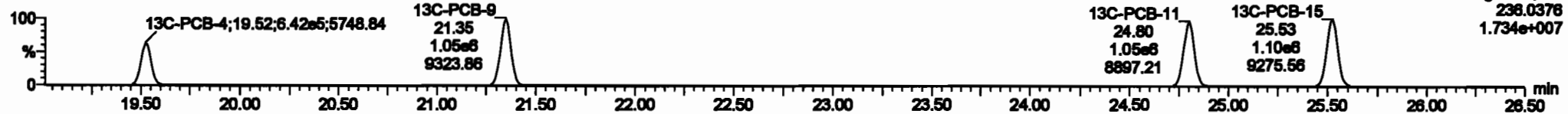


13C-PCB-4

200601K1\_3

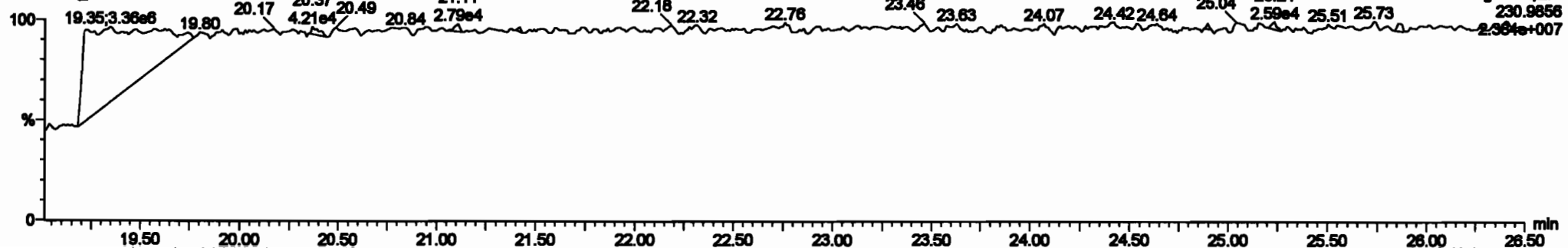


200601K1\_3



PFK2a

200601K1\_3



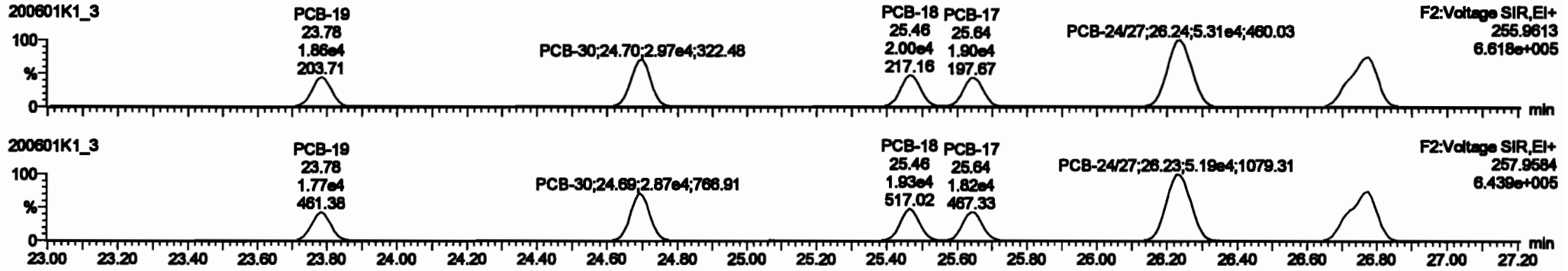


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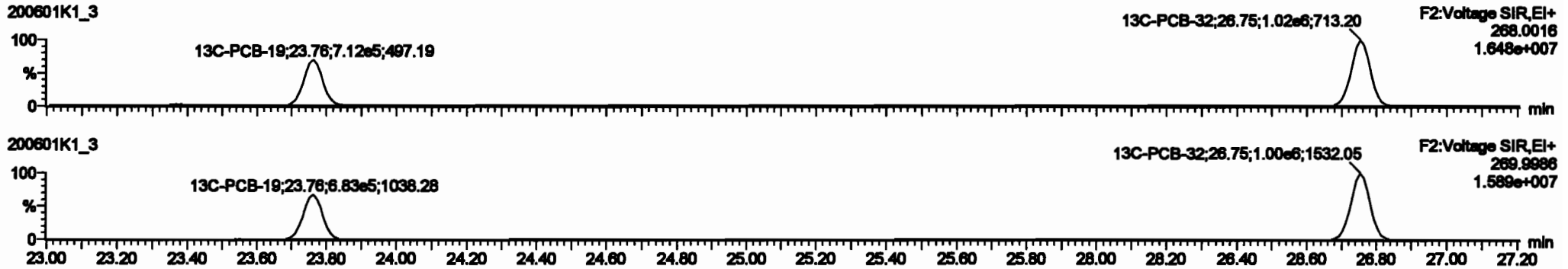
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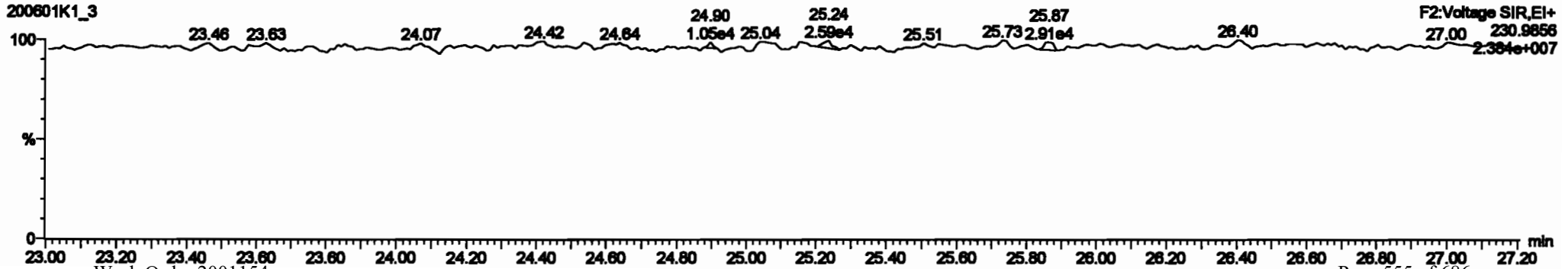
PCB-19



13C-PCB-19

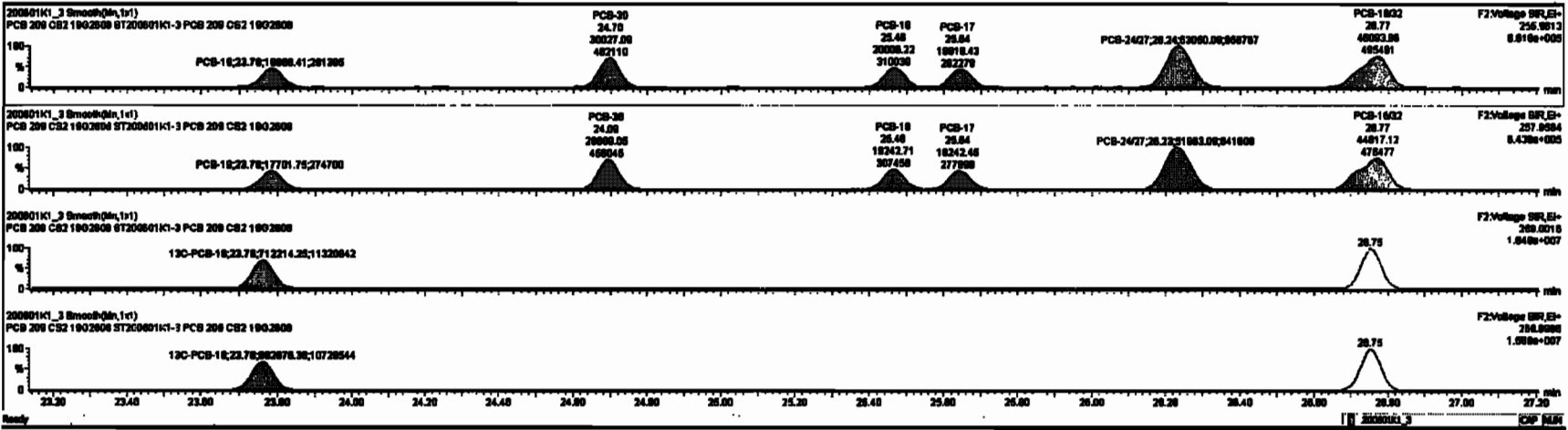


PFK2b



Peak	Retention Time	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	7.23e5	0.48	NO	1.0000	1.000	48.43	48.43	0.000	0.000	NO	100.0	100	0.0033			
218	13C-PCB-205	8.85e5	0.80	NO	1.0000	1.000	64.88	64.88	1.000	0.000	NO	100.0	100	0.148			
220	13C-PCB-76	1.83e6	0.78	NO	1.0000	1.000	37.76	37.76	1.000	1.000	NO	88.47	88.5	0.0091			
221	13C-PCB-478	7.23e5	0.44	NO	0.7685	1.000	46.80	46.80	0.000	0.000	NO	87.25	87.2	0.0062			
220	13C-PCB-76	1.83e6	0.78	NO	1.0021	1.000	37.76	37.76	0.000	0.000	NO	88.87	88.0	0.0094			
220	13C-PCB-478	7.23e5	0.44	NO	1.0000	1.000	46.87	46.88	0.000	0.000	NO	88.16	88.2	0.0062			
220	Total Mono-PCBs				1.1088	1.000	0.00	0.00	0.000	0.000	NO	7.216	88.2	0.0216	7.216		
220	Total Di-PCBs				1.8887	1.000	0.00	0.00	0.000	0.000	NO	28.88	88.2	0.1216	28.88		

Peak	Retention Time	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	2.2670	2.2688			
13	PCB-38	24.80	24.78	3.000e4	2.889e4	1.040	1.04	NO	2.2480	2.2481			
14	PCB-16	26.48	26.48	2.000e4	1.824e4	1.040	1.04	NO	2.2700	2.2702			
15	PCB-17	26.84	26.84	1.889e4	1.824e4	1.040	1.04	NO	2.4300	2.4187			
16	PCB-24/27	28.28	28.24	8.200e4	8.788e4	1.040	1.02	NO	4.7880	4.7878			
17	PCB-18/22	28.77	28.77	4.800e4	4.828e4	1.040	1.02	NO	4.8810	4.8810			

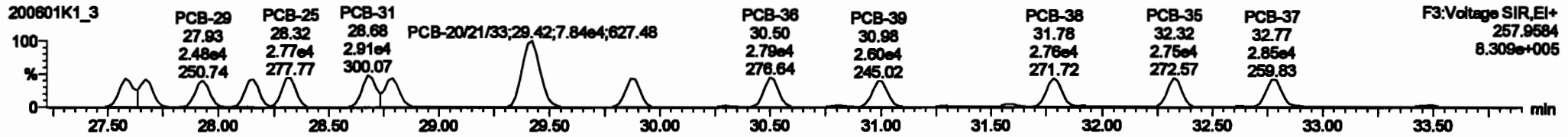
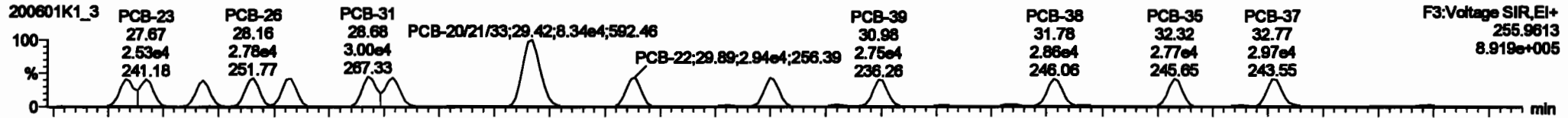


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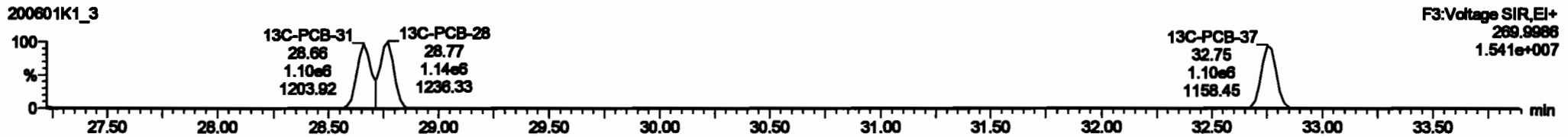
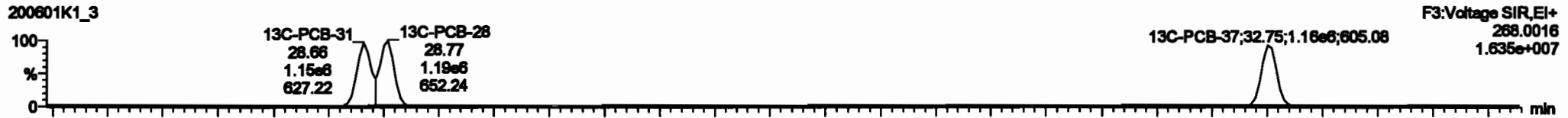
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 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

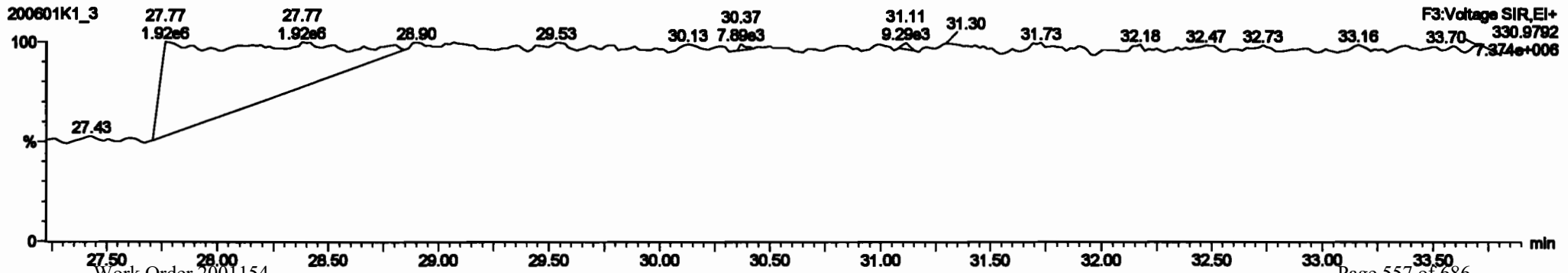
**PCB-34**



**13C-PCB-28**

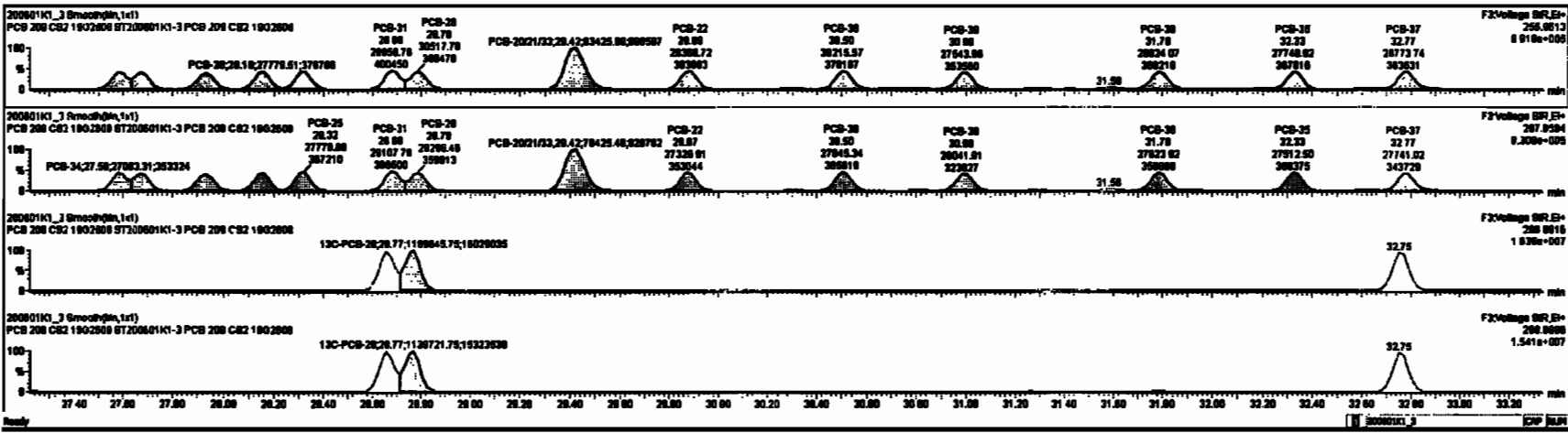


**PFK3d**



#	Name	Range	BA	Qty	Unit	Cost	Price	WT	Prod. #	MT	MTY	MTY	Comp.	Wt%	SL	MPG
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			97.92	0.371	97.92	
230	4th Function Parts-PCBs					1.0736	1.000	0.00	0.000	NO			12.19	0.0976	12.19	
230	2nd Function Hous-PCBs					0.8806	1.000	0.00	0.000	NO			32.80	0.0976	32.80	
230	4th Function Hous-PCBs					1.0016	1.000	0.00	0.000	NO			86.73	0.372	86.73	
230	Total Hous-PCBs					1.3091	1.000	0.00	0.000	NO			97.74	0.488	97.74	
230	4th Function Ods-PCBs					1.0000	1.000	0.00	0.000	NO			21.80	0.0000	21.80	
230	2nd Function Ods-PCBs					1.1480	1.000	0.00	0.000	NO			6.974	0.0043	6.974	
230	Total Hous-PCBs					0.8806	1.000	0.00	0.000	NO			7.284	0.0043	7.284	
230	Total PCBs					0.8804	1.000	0.00	0.000	NO			2.430	0.0043	2.430	

#	Name	Range	BA	Qty	Unit	Cost	Price	WT	Prod. #	MT	MTY	MTY	Comp.	Wt%	SL	MPG
18	PCB-24	27.80	27.80	2.700e+4	2.700e+4	1.040	1.02	NO	2.4040	2.4040						
19	PCB-25	27.87	27.87	2.620e+4	2.621e+4	1.040	1.04	NO	2.4000	2.4000						
20	PCB-26	27.93	27.93	2.690e+4	2.689e+4	1.040	1.01	NO	2.4200	2.4200						
21	PCB-28	28.10	28.10	2.770e+4	2.800e+4	1.040	1.07	NO	2.4400	2.4300						
22	PCB-29	28.31	28.32	2.870e+4	2.770e+4	1.040	1.09	NO	2.4600	2.8000						
23	PCB-31	28.80	28.80	2.880e+4	2.811e+4	1.040	1.09	NO	2.4070	2.4070						
24	PCB-32	28.70	28.70	2.850e+4	2.830e+4	1.040	1.09	NO	2.4000	2.4000						
25	PCB-2021483	28.40	28.40	0.940e+4	7.840e+3	1.040	1.09	NO	2.3000	7.2017						
26	PCB-32	28.87	28.88	2.880e+4	2.720e+4	1.040	1.09	NO	2.4000	2.4000						



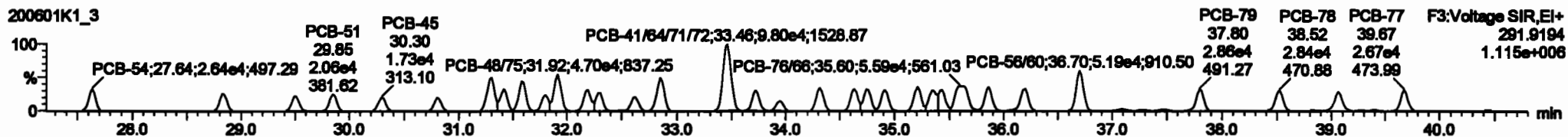
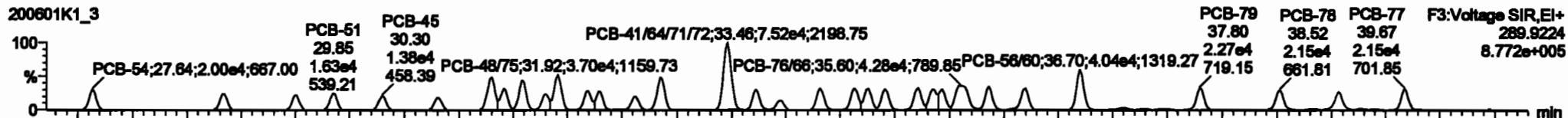
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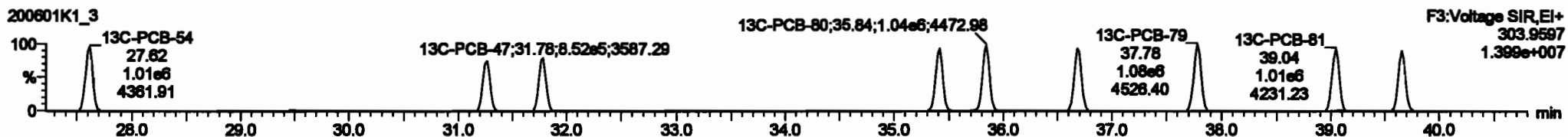
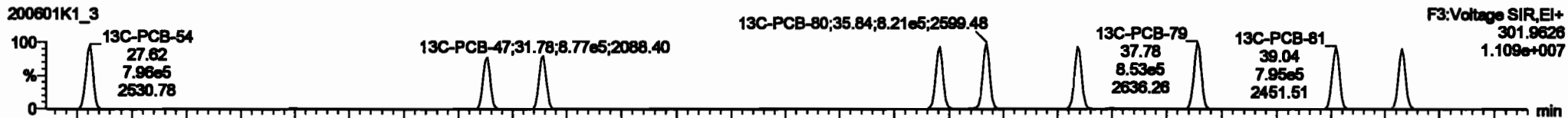
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

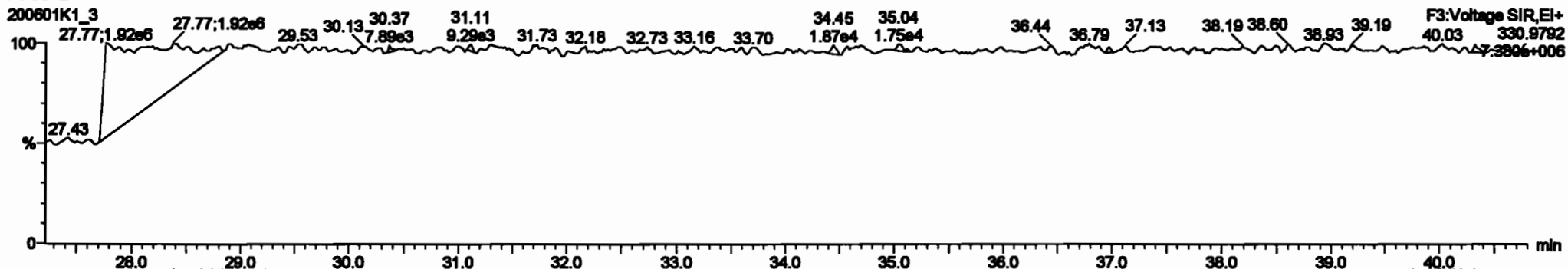
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

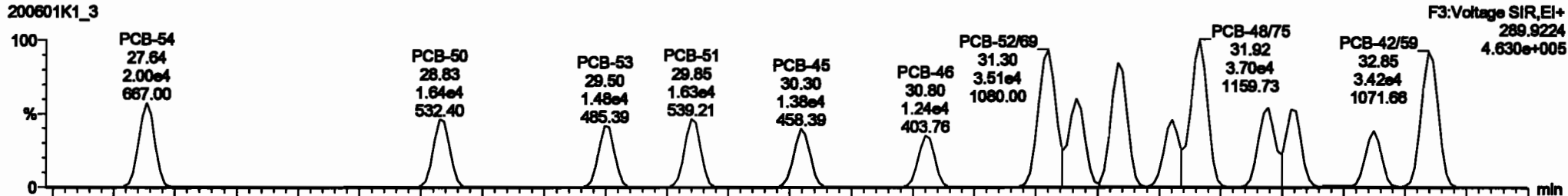
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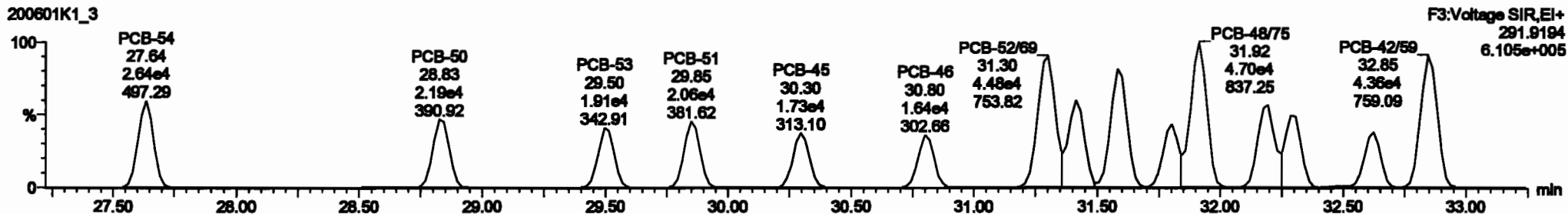
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PCB-50

200601K1\_3



200601K1\_3

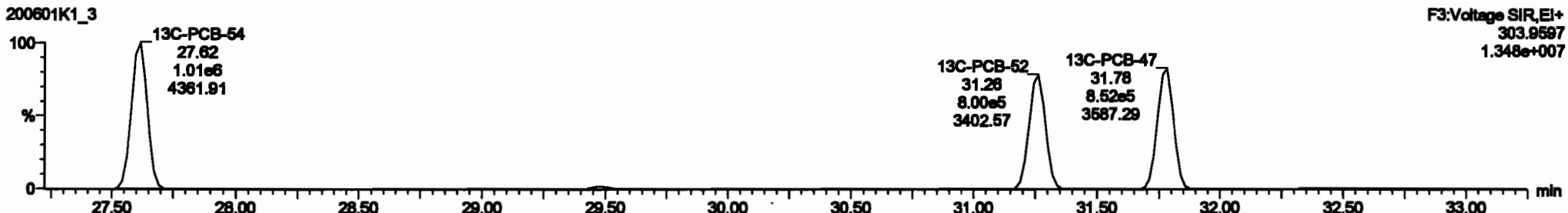


13C-PCB-52

200601K1\_3



200601K1\_3





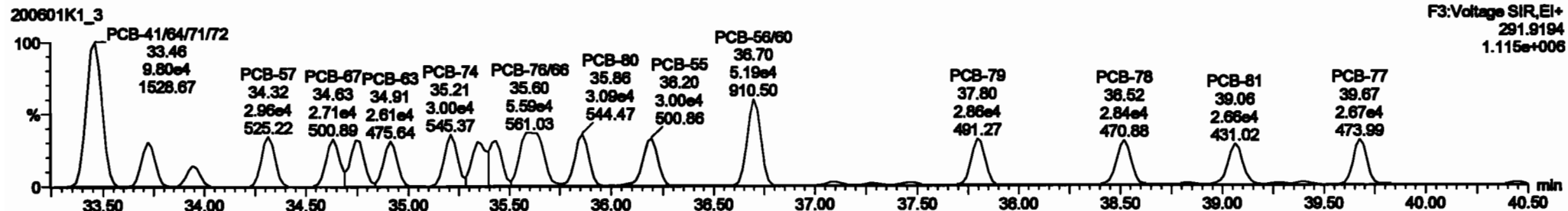
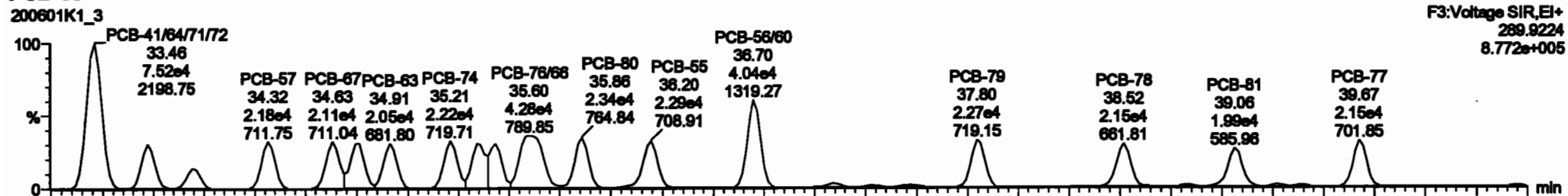
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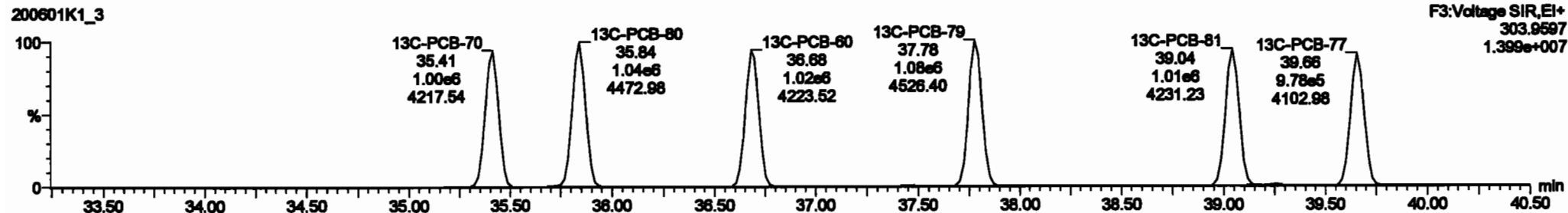
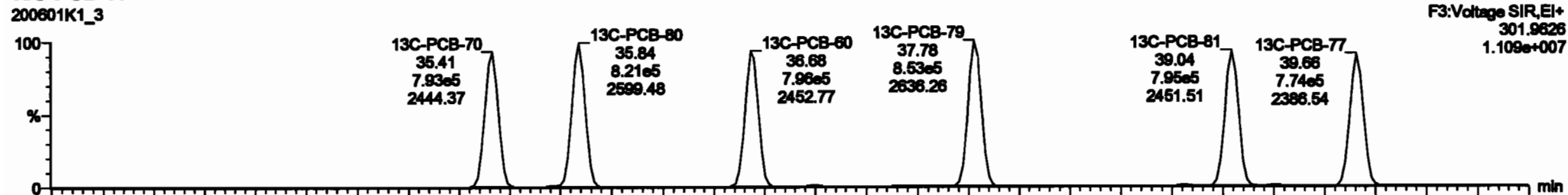
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Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

**PCB-68**

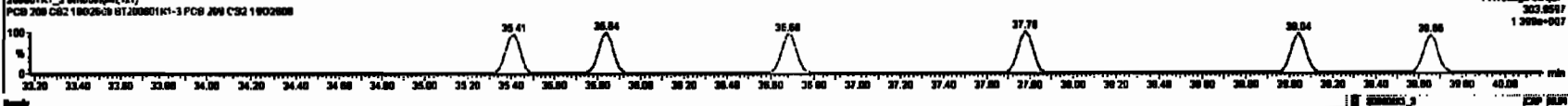
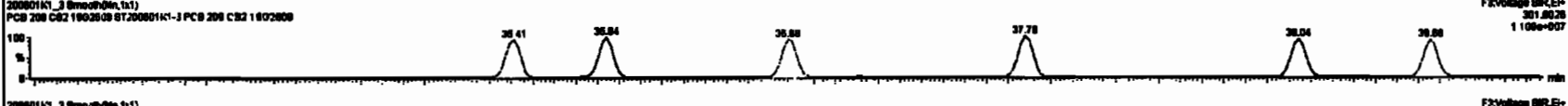
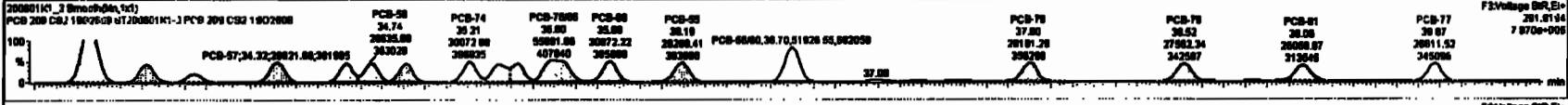
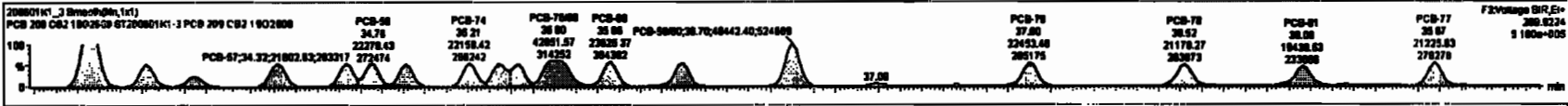


**13C-PCB-60**



#	Name	Resp	RA	Rely	Off	valued	Residual	ST	Preval	WT	HT	Fail	Com.	SPair	IR	MRPC
227	2nd Puriton Tri-PCBs					0.0020	1.000	0.00	0.000			NO	38.01		0.204	38.01
228	3rd Puriton Tri-PCBs					1.2167	1.000	0.00	0.000			NO	37.80		0.371	37.80
229	4th Puriton Tri-PCBs					1.0736	1.000	0.00	0.000			NO	12.18		0.0070	12.18
230	1st Puriton Hexa-PCBs					0.0000	1.000	0.00	0.000			NO	33.00		0.0070	33.00
231	2nd Puriton Hexa-PCBs					1.0016	1.000	0.00	0.000			NO	38.70		0.372	38.70
232	3rd Puriton Hexa-PCBs					1.3881	1.000	0.00	0.000			NO	37.74		0.488	37.74
233	4th Puriton Hexa-PCBs					1.0000	1.000	0.00	0.000			NO	21.88		0.0000	21.88
234	5th Puriton Hexa-PCBs					1.1488	1.000	0.00	0.000			NO	0.874		0.0043	0.874
235	Total Hexa-PCBs					0.0020	1.000	0.00	0.000			NO	7.284		0.0007	7.284
236	Sum-CB					0.0004	1.000	0.00	0.000			NO	2.420		0.0070	2.420

#	Name	Preval	WT	HT	Fail	Com.	SPair	IR	MRPC
30	PCB-81	27.84	27.84	1.880e4	2.880e4	0.770	0.76	NO	2.3770
31	PCB-82	28.80	28.80	1.880e4	2.880e4	0.770	0.76	NO	2.6140
32	PCB-83	28.80	28.80	1.880e4	2.880e4	0.770	0.76	NO	2.3880
33	PCB-84	28.80	28.80	1.880e4	2.880e4	0.770	0.76	NO	2.3880
34	PCB-85	30.30	30.30	1.370e4	1.730e4	0.770	0.80	NO	2.8070
35	PCB-86	30.30	30.30	1.370e4	1.730e4	0.770	0.79	NO	2.6500
36	PCB-87	31.30	31.30	1.050e4	1.400e4	0.770	0.78	NO	4.7420
37	PCB-72	31.41	31.41	1.150e4	2.70e4	0.770	0.77	NO	2.3800
40	PCB-40B	31.80	31.80	1.050e4	2.880e4	0.770	0.76	NO	4.6820



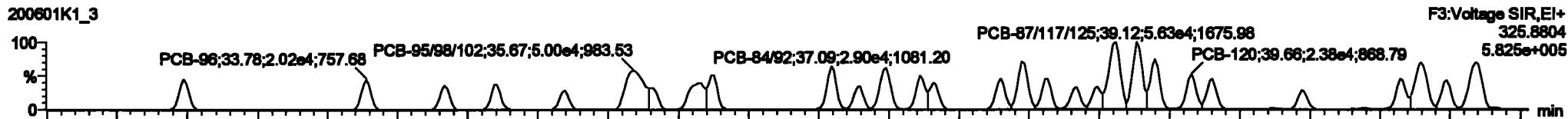
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

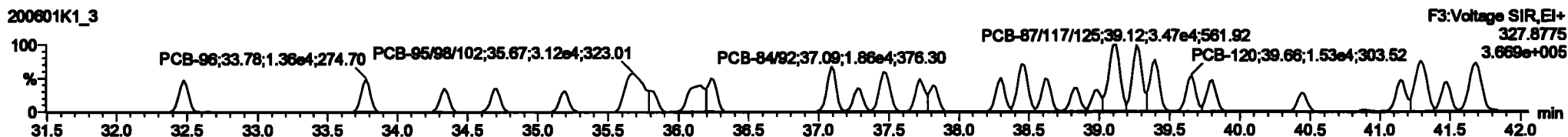
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**PCB-104**

200601K1\_3

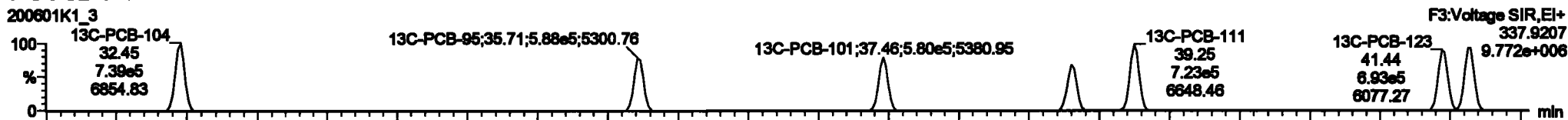


200601K1\_3

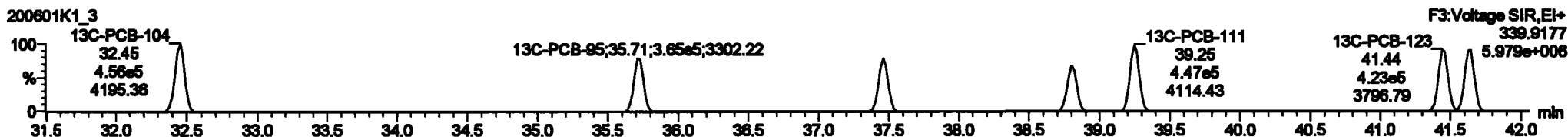


**13C-PCB-104**

200601K1\_3

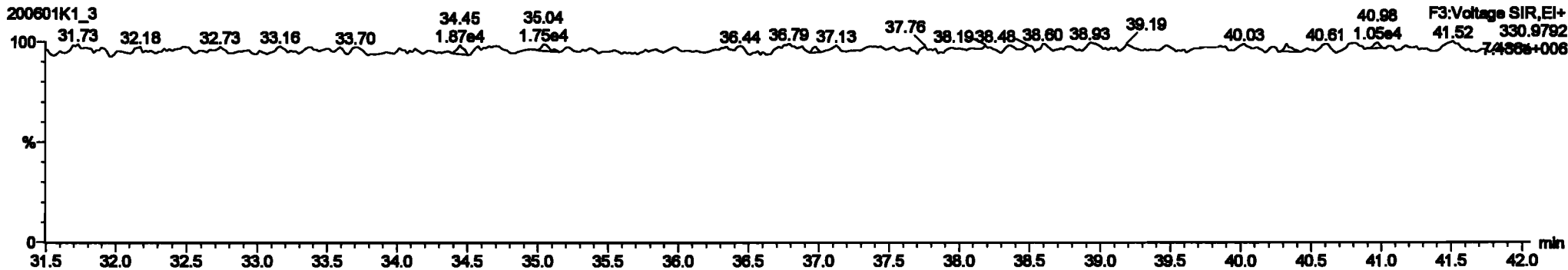


200601K1\_3



**PFK3b**

200601K1\_3

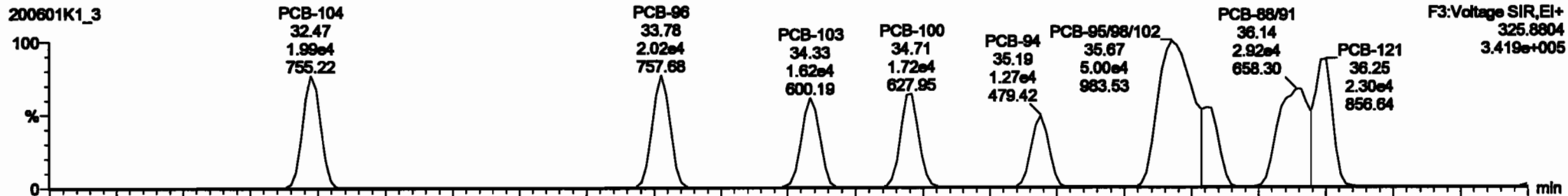


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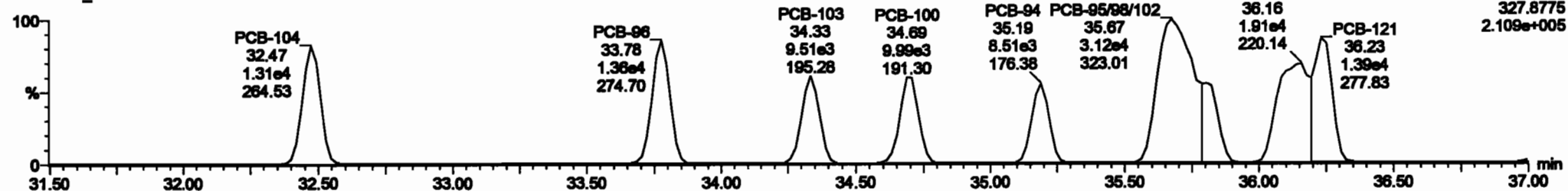
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Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

**PCB-96**



**200601K1\_3**



**13C-PCB-95**



**200601K1\_3**



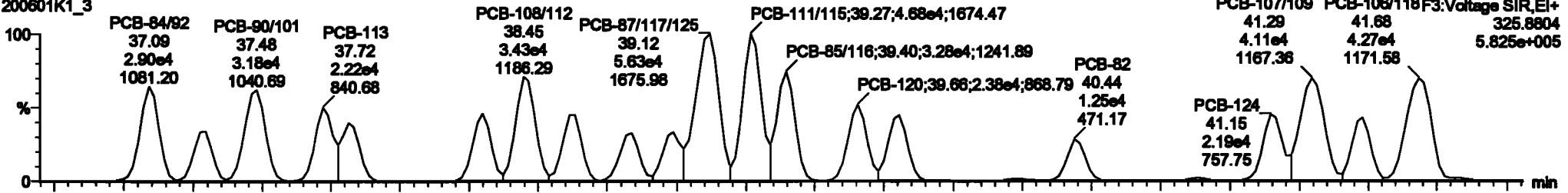
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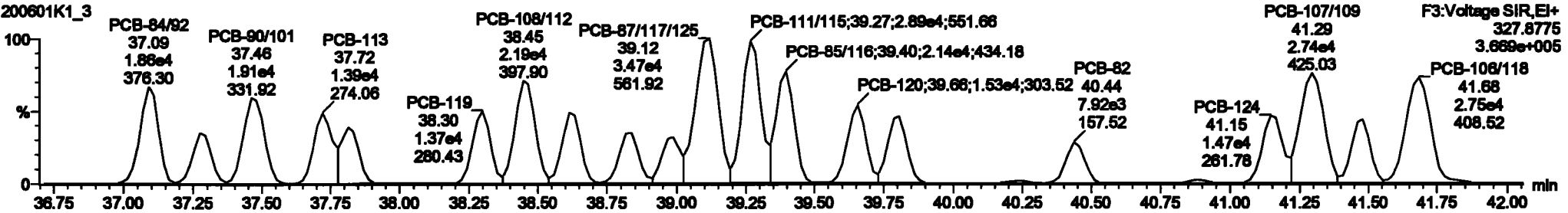
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PCB-119

200601K1\_3

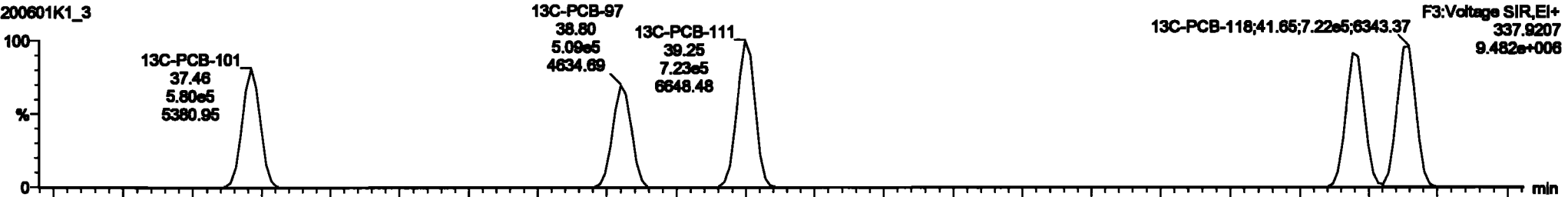


200601K1\_3

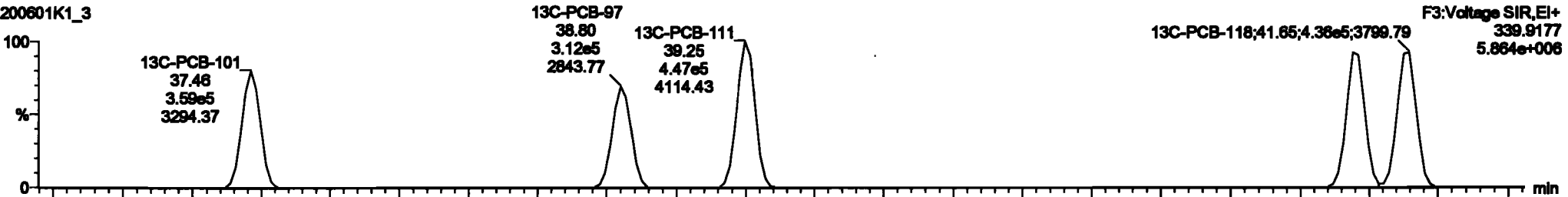


13C-PCB-111

200601K1\_3

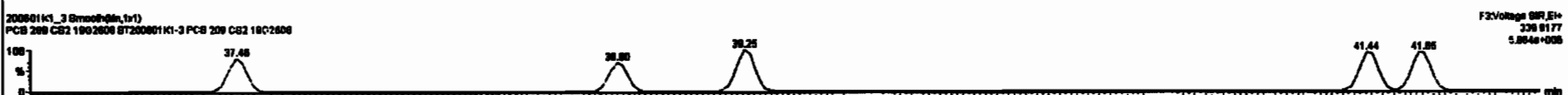
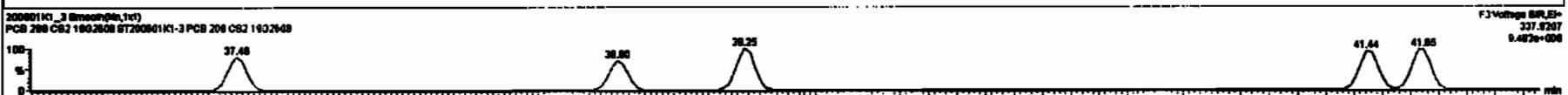
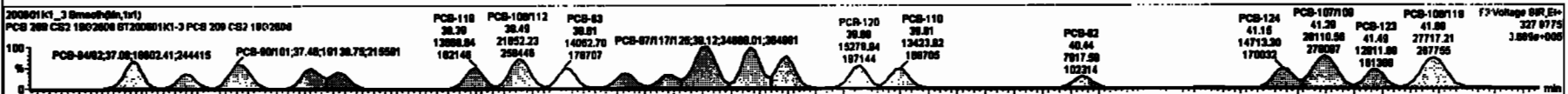
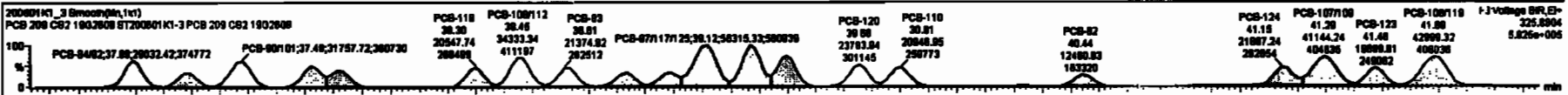


200601K1\_3



Index	Comp	BA	Qty	RF	RF%	Prod.RT	RT	Prod.R.	RF	RF%	RF%	Comp.	Wt%	CL	BMP
227	2nd Purifon TA-PCB			0.0028	1.000	0.00		0.000			NO	30.01	0.294	30.01	
228	Total Tolu-PCB			1.0770	1.000	0.00		0.000			NO	101.0	0.323	101.0	
230	4th Purifon Para-PCB			1.0726	1.000	0.00		0.000		NO	12.10	0.0970	12.10		
231	2nd Purifon Hexa-PCB			0.0000	1.000	0.00		0.000		NO	32.00	0.0070	32.00		
232	4th Purifon Hexa-PCB			1.0318	1.000	0.00		0.000		NO	06.73	0.272	06.73		
233	Total Hepta-PCB			1.3891	1.000	0.00		0.000		NO	07.34	0.488	07.34		
234	4th Purifon Octa-PCB			1.0000	1.000	0.00		0.000		NO	21.00	0.0003	21.00		
235	2nd Purifon Octa-PCB			1.1400	1.000	0.00		0.000		NO	0.674	0.0043	0.674		
236	Total Nona-PCB			0.0023	1.000	0.00		0.000		NO	7.204	0.0007	7.204		
237	Dioxin-CB			0.0004	1.000	0.00		0.000		NO	2.420	0.0070	2.420		
238	Total PCBs														

Index	Comp	RF	RF%	Prod.RT	RT	Prod.R.	RF	RF%	RF%	Comp.	Wt%	BMP	Cl.
04	PCB-104	32.47	32.47	1.890e4	1.300e4	1.890	1.82	NO	2.4000	2.4000			
05	PCB-08	30.70	30.70	2.017e4	1.380e4	1.890	1.46	NO	2.4000	2.4000			
06	PCB-109	34.33	34.33	1.829e4	9.800e3	1.890	1.71	NO	2.3010	2.3008			
07	PCB-100	34.80	34.71	1.717e4	9.800e3	1.890	1.72	NO	2.3630	2.3631			
08	PCB-04	35.10	35.10	1.272e4	8.010e3	1.890	1.46	NO	2.3400	2.3401			
09	PCB-0000102	35.07	35.07	8.000e4	3.117e4	1.890	1.01	NO	7.0700	7.0704			
70	PCB-03	35.70	35.81	1.200e4	7.010e3	1.890	1.70	NO	2.3600	2.3607			
71	PCB-00001	35.14	35.14	2.000e4	1.000e4	1.890	1.00	NO	4.7000	4.7004			
72	PCB-121	35.33	35.28	2.300e4	1.390e4	1.890	1.06	NO	2.2700	2.2699			

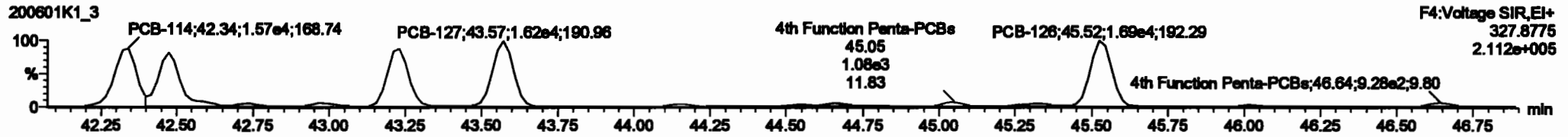
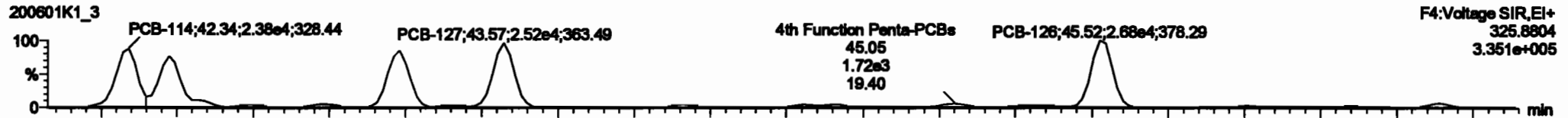


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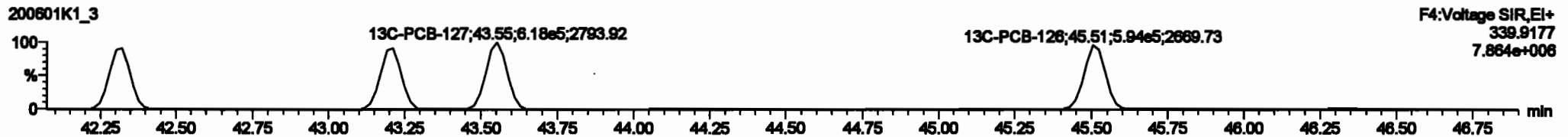
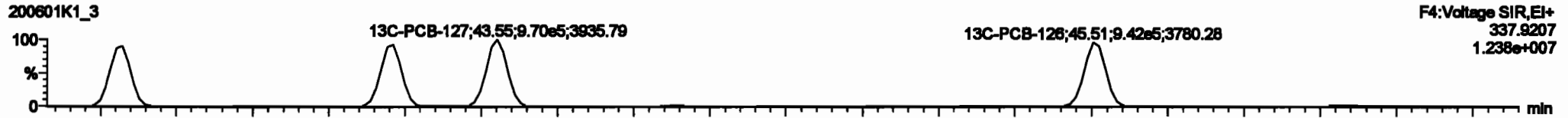
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

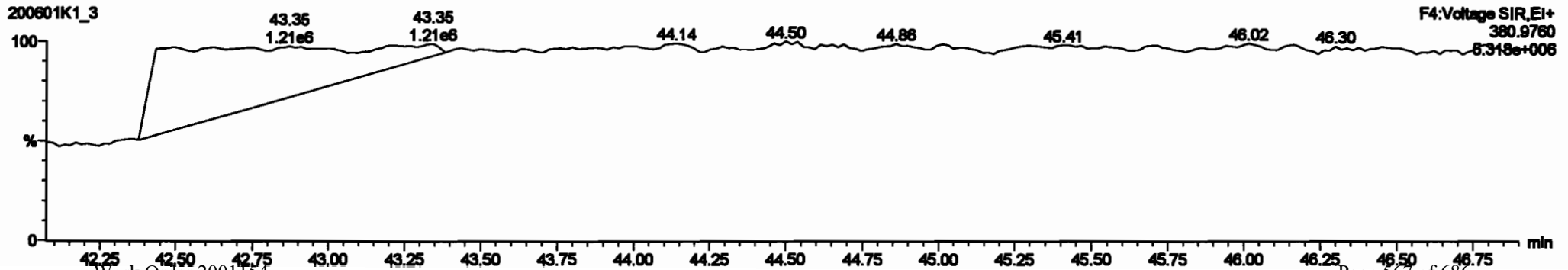
**PCB-114**



**13C-PCB-114**

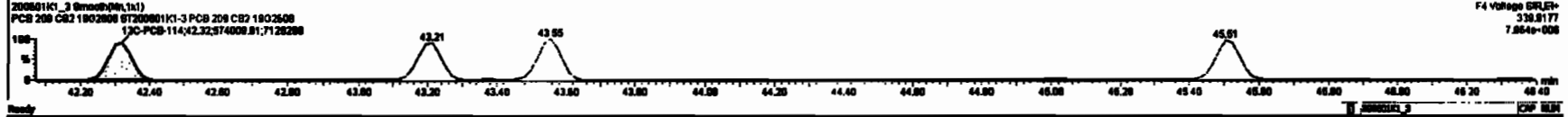
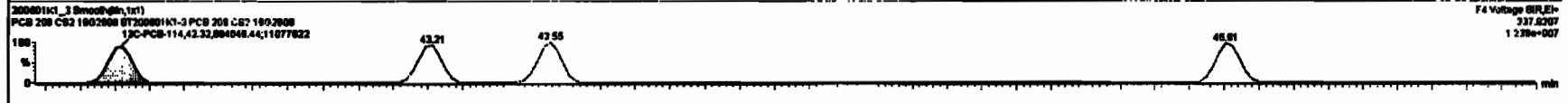
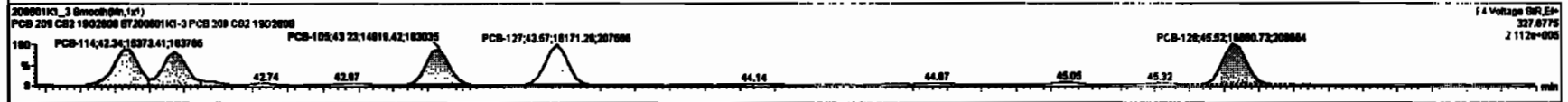
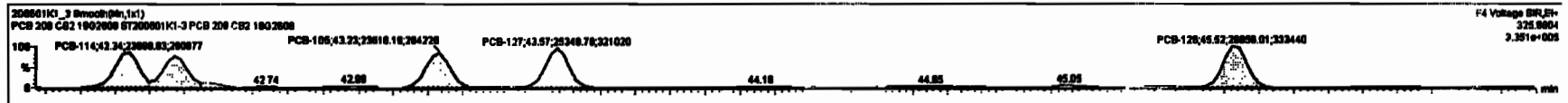


**PFK4a**



#	Name	Range	RA	dy	RF	Initial	ProdRT	RT	ProdR	RFY	ProdF	Chn	SP	SL	BPFC
227	2nd Function Tri-PCBs				0.0000	1.000	0.00	0.000	NO	38.01				0.284	38.01
228	Total Yolo-PCBs				1.0776	1.000	0.00	0.000	NO	101.0				0.222	101.0
229	2nd Function Para-PCBs				1.2167	1.000	0.00	0.000	NO	67.02				0.271	67.02
230	2nd Function Ortho-PCBs				0.0000	1.000	0.00	0.000	NO	0.000				0.000	0.000
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	6.674				0.000	6.674
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	Chn	SP	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	1.000e4	1.000	1.00	NO	2.000	2.000
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





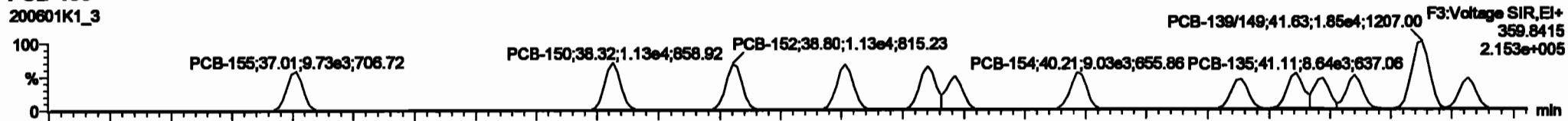
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

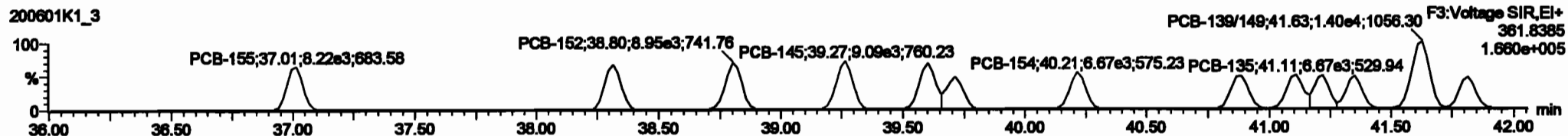
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**PCB-155**

200601K1\_3



200601K1\_3

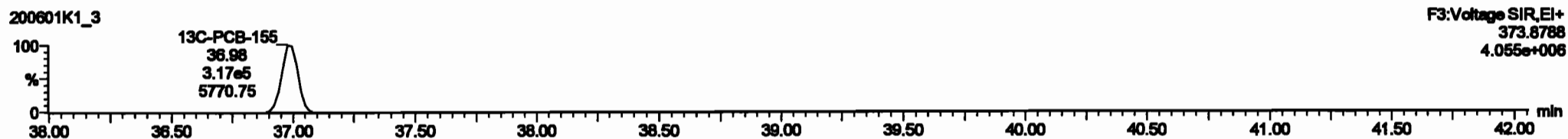


**13C-PCB-155**

200601K1\_3

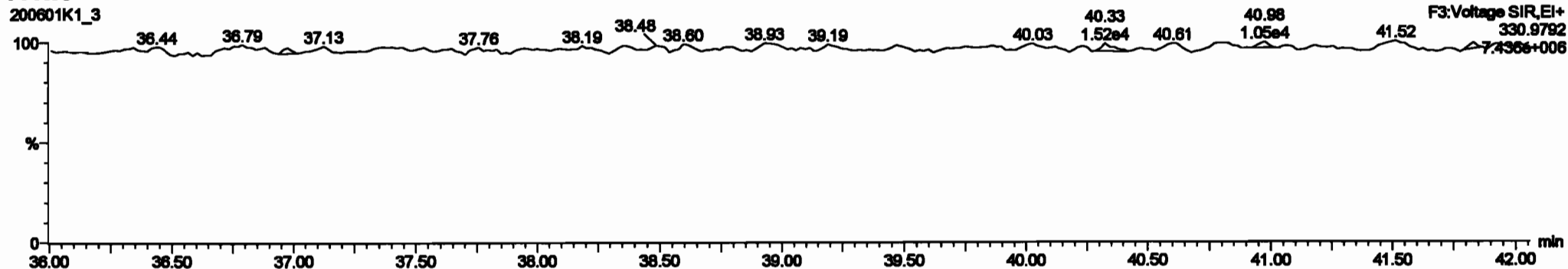


200601K1\_3



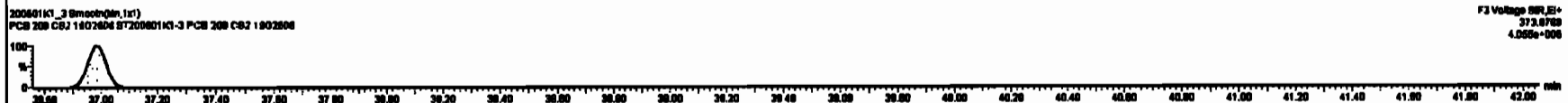
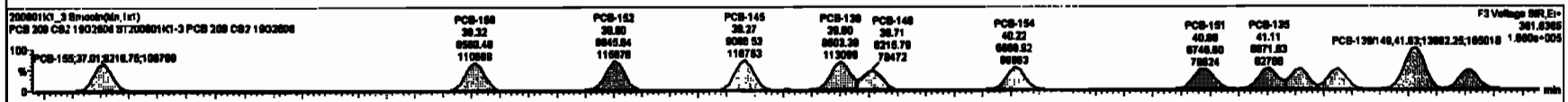
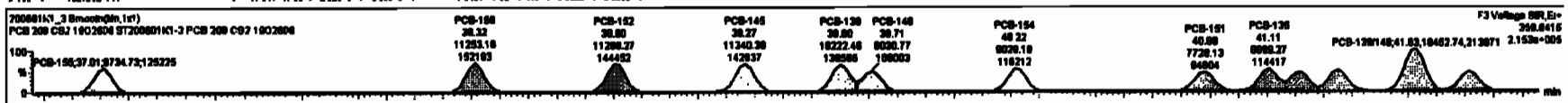
**PFK3c**

200601K1\_3



#	Name	Resp	RA	inj	FW	width	PeakOff	RT	PeakOff	FW	RT	Comp.	Area	Height	Area%
227	2nd Puriton TH-PCBs				0.0000	1.000	0.000	NO	38.01			0.284	38.01		
228	Total Tetra-PCBs				1.0770	1.000	0.000	NO	101.0			0.322	101.0		
229	2nd Puriton Penta-PCBs				1.2497	1.000	0.000	NO	67.82			0.371	67.82		
230	4th Puriton Penta-PCBs				1.0736	1.000	0.000	NO	12.18			0.0070	12.18		
231	2nd Puriton Hexa-PCBs				0.0000	1.000	0.000	NO	0.0000			0.0000	0.0000		
232	4th Puriton Hexa-PCBs				1.0018	1.000	0.000	NO	68.73			0.272	68.73		
233	Total Hepta-PCBs				1.2681	1.000	0.000	NO	67.74			0.488	67.74		
234	4th Puriton Octa-PCBs				1.0000	1.000	0.000	NO	21.80			0.0000	21.80		
235	2nd Puriton Octa-PCBs				1.1488	1.000	0.000	NO	6.874			0.0043	6.874		
236	Total Nona-PCBs				0.0000	1.000	0.000	NO	7.264			0.0007	7.264		
237	237 Deca-CD				0.0004	1.000	0.000	NO	2.420			0.0000	2.420		
238	238 Total PCBs														

#	Name	PeakOff	RT	inj Resp	std Resp	F <sup>2</sup> Ratio (Peak)	RA	inj	FWPC	Comp.
1	100 PCB-150	37.01	37.01	0.720e3	0.217e3	1.240	1.18	NO	2.3300	2.3300
2	100 PCB-152	38.30	38.32	1.120e4	0.880e3	1.240	1.32	NO	2.4800	2.4800
3	100 PCB-148	38.80	38.80	1.120e4	0.940e3	1.240	1.28	NO	2.3100	2.3170
4	100 PCB-146	38.20	38.27	1.120e4	0.887e3	1.240	1.26	NO	2.3200	2.3280
5	100 PCB-138	38.80	38.80	1.020e4	0.800e3	1.240	1.20	NO	2.4000	2.4000
6	100 PCB-140	38.72	38.71	0.801e3	0.210e3	1.240	1.20	NO	2.3010	2.3007
7	100 PCB-154	40.22	40.22	0.800e3	0.800e3	1.240	1.30	NO	2.3220	2.3217
8	100 PCB-151	40.80	40.80	7.720e3	0.247e3	1.240	1.14	NO	2.8010	2.8012
9	100 PCB-135	41.12	41.11	0.880e3	0.872e3	1.240	1.20	NO	2.2800	2.2806

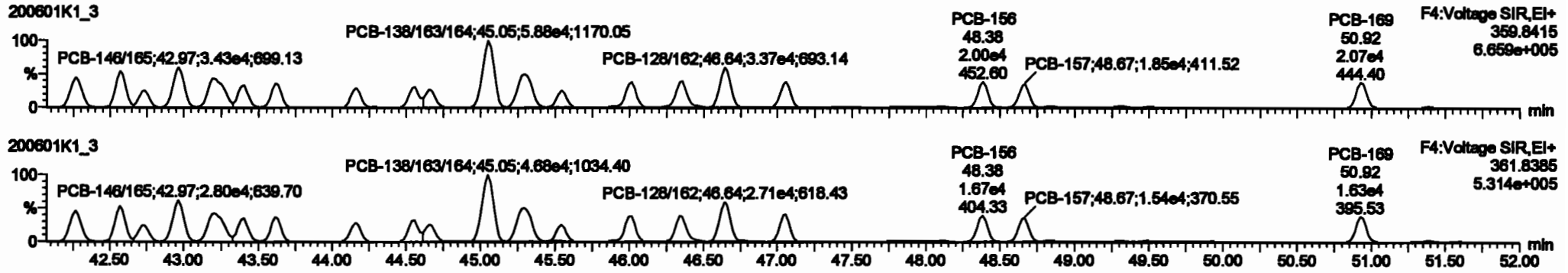


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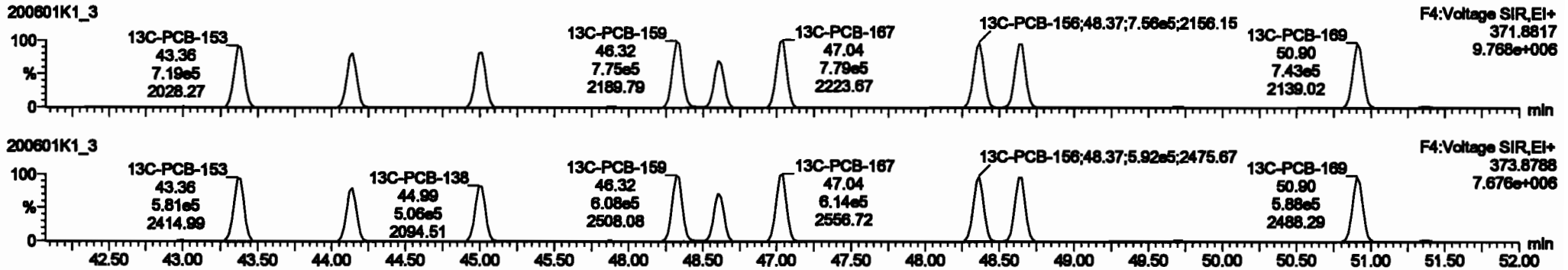
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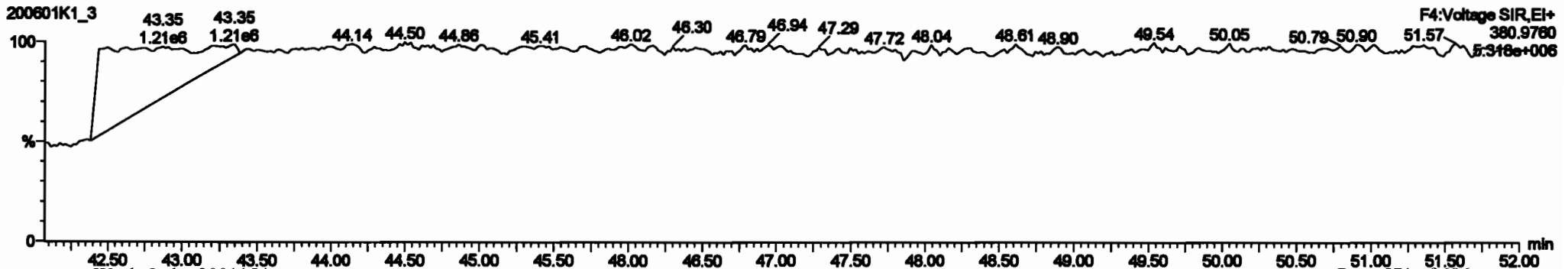
PCB-134/143



13C-PCB-153

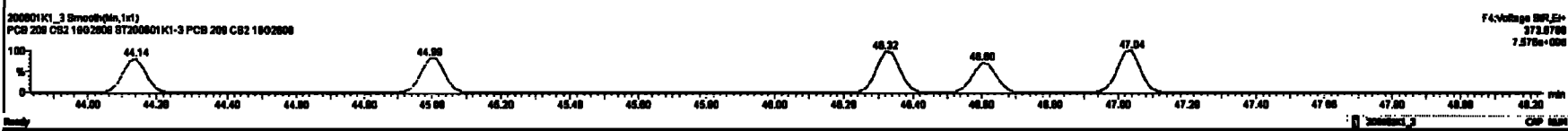
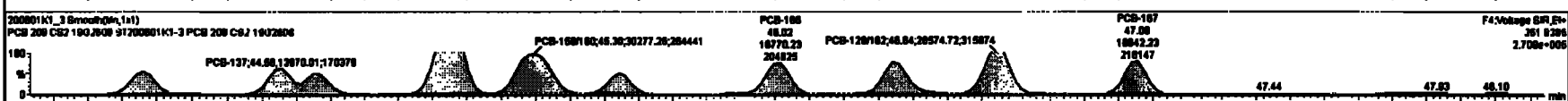
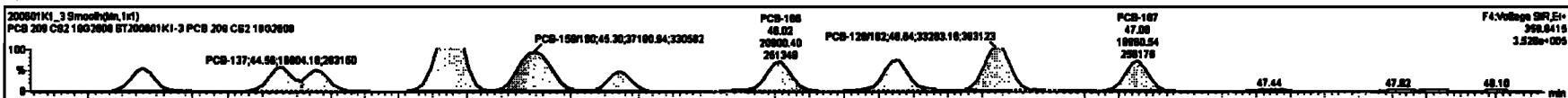


PFK4b



#	Comp	Comp	SA	Qty	Unit	Weight	Vol	Preval	OT	Preval	OT	Preval	OT	Preval	OT	Preval	OT
227	2nd Function Tri-PCBs					0.0020	1.000	0.00	0.000			NO	38.01	0.284	38.01		
228	Total Tetra-PCBs					1.0770	1.000	0.00	0.000			NO	101.0	0.322	101.0		
229	3rd Function Penta-PCBs					1.2167	1.000	0.00	0.000			NO	87.82	0.371	87.82		
230	4th Function Penta-PCBs					1.0720	1.000	0.00	0.000			NO	12.18	0.0070	12.18		
231	5th Function Hexa-PCBs					0.0000	1.000	0.00	0.000			NO	32.80	0.0070	32.80		
232	Total Hexa-PCBs					1.0000	1.000	0.00	0.000			NO	65.30	0.0140	65.30		
233	Total Hepta-PCBs					1.2091	1.000	0.00	0.000			NO	97.74	0.408	97.74		
234	6th Function Octa-PCBs					1.0000	1.000	0.00	0.000			NO	21.80	0.0000	21.80		
235	7th Function Octa-PCBs					1.1468	1.000	0.00	0.000			NO	8.874	0.0043	8.874		
236	Total Nona-PCBs					0.0023	1.000	0.00	0.000			NO	7.284	0.0007	7.284		
237	Deca-Cl					0.0004	1.000	0.00	0.000			NO	2.423	0.0000	2.423		
238	Total NPA																

#	Comp	Comp	SA	Qty	Unit	Weight	Vol	Preval	OT	Preval	OT	Preval	OT	Preval	OT	Preval	OT
111	PCB-134A43					42.28	42.28	2.632e4	2.41e4	1.240	1.20	NO	4.6370	4.6368			
112	PCB-131A10					42.88	42.87	2.947e4	2.382e4	1.240	1.20	NO	4.7070	4.7068			
113	PCB-142					42.72	42.74	1.217e4	1.089e4	1.240	1.20	NO	3.6220	3.6218			
114	PCB-148A05					42.87	42.87	3.428e4	2.894e4	1.240	1.22	NO	4.7180	4.7180			
115	PCB-132A01					43.20	43.18	3.813e4	2.738e4	1.240	1.20	NO	4.6890	4.6893			
116	PCB-163					43.38	43.40	1.777e4	1.810e4	1.240	1.18	NO	2.3880	2.3890			
117	PCB-168					43.81	43.81	1.680e4	1.622e4	1.240	1.20	NO	2.4180	2.4178			
118	PCB-141					44.18	44.18	1.487e4	1.220e4	1.240	1.20	NO	2.4080	2.4084			
119	PCB-137					44.80	44.80	1.880e4	1.387e4	1.240	1.18	NO	2.8870	2.8880			



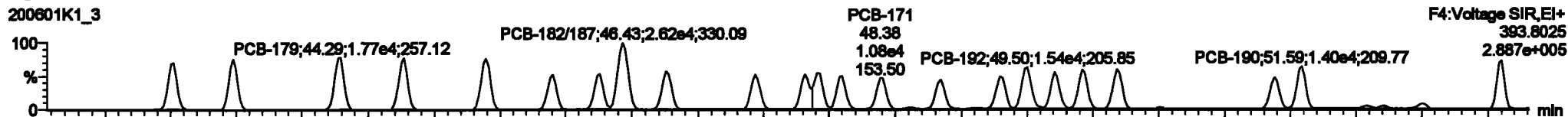
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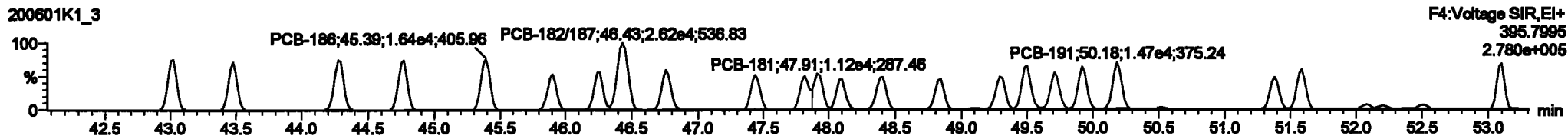
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**PCB-188**

200601K1\_3

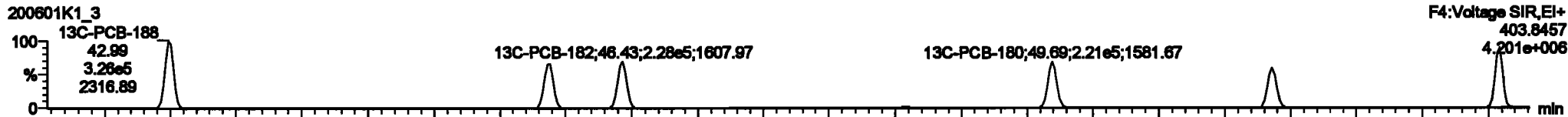


200601K1\_3

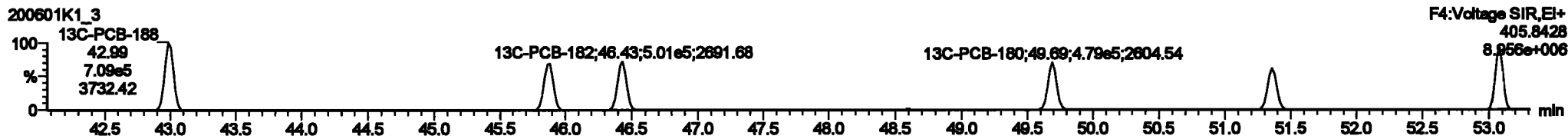


**13C-PCB-188**

200601K1\_3

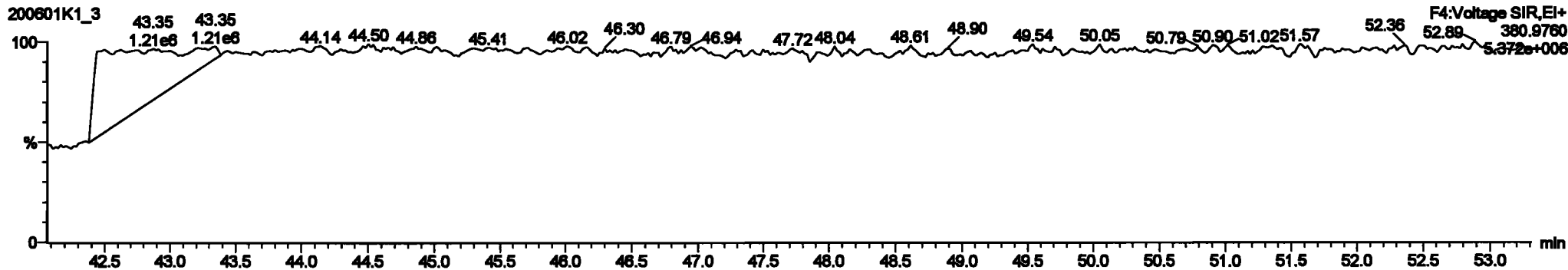


200601K1\_3



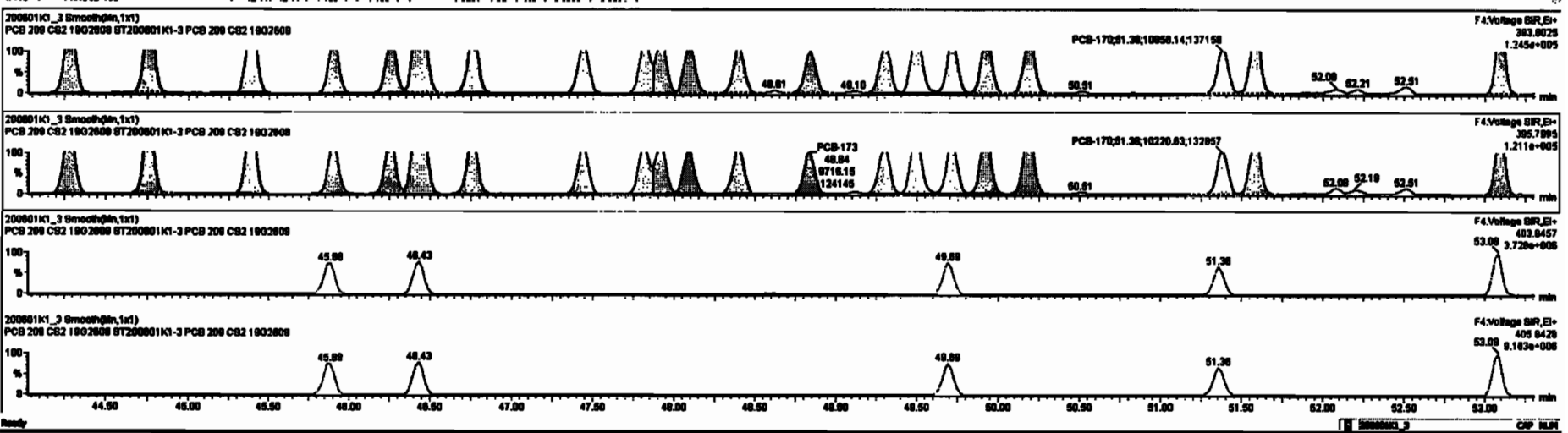
**PFK4c**

200601K1\_3



#	Name	Resp	RA	RF	RF2	Vol	ProdRT	RT	ProdLR	RF2	RF1/F2	Comp	Area	CL	SPC
227	227 3rd Function TM-PCBs				0.8028	1.000	0.00	0.000	0.000		NO	38.01	0.284	38.01	
228	228 Total Tetra-PCBs				1.0778	1.000	0.00	0.000	0.000		NO	101.0	0.322	101.0	
229	229 3rd Function Penta-PCBs				1.3167	1.000	0.00	0.000	0.000		NO	87.82	0.371	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				0.8025	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				1.2888	1.000	0.00	0.000	0.000		NO	87.24	0.284	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 Octa-PCBs				0.8023	1.000	0.00	0.000	0.000		NO	7.284	0.0887	7.284	
237	237 Deca-OB				0.8884	1.000	0.00	0.000	0.000		NO	2.423	0.0882	2.423	
238	238 Total PCBs														

#	Name	ProdRT	RT	Std Range	Std Range	RF Ratio (RF2)	RF1/F2	SPC	Comp
1	131 PCB-188	43.02	43.02	1.817e4	1.888e4	1.000	0.97	NO	2.4800
2	132 PCB-184	43.47	43.48	1.863e4	1.820e4	1.000	1.00	NO	2.4870
3	133 PCB-178	44.27	44.28	1.773e4	1.818e4	1.000	1.10	NO	2.5240
4	134 PCB-176	44.70	44.77	1.708e4	1.803e4	1.000	1.07	NO	2.4420
5	135 PCB-168	48.38	48.38	1.780e4	1.844e4	1.000	1.07	NO	2.4870
6	136 PCB-170	48.80	48.80	1.171e4	1.142e4	1.000	1.02	NO	2.3880
7	137 PCB-175	48.24	48.28	1.223e4	1.228e4	1.000	1.00	NO	2.4740
8	138 PCB-182/187	48.42	48.43	2.811e4	2.824e4	1.000	1.00	NO	4.7440
9	139 PCB-183	48.78	48.78	1.328e4	1.284e4	1.000	1.02	NO	2.4780

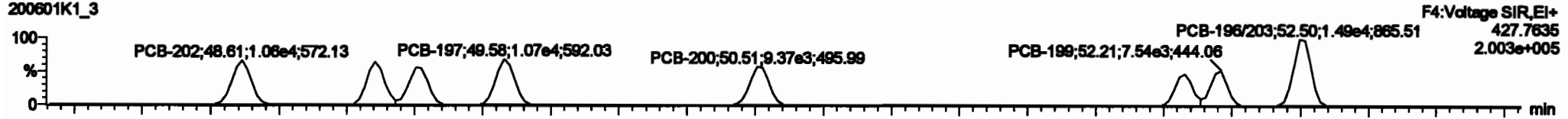


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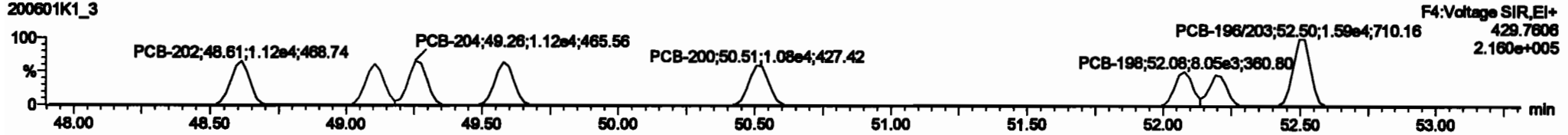
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_3, Date: 01-Jun-2020, Time: 14:19:00, ID: ST200601K1-3 PCB 209 CS2 19G2608, Description: PCB 209 CS2 19G2608

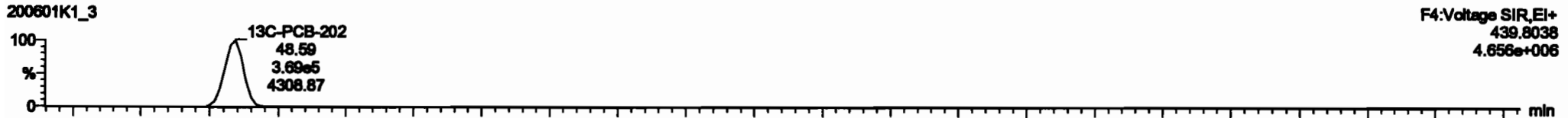
PCB-202  
200601K1\_3



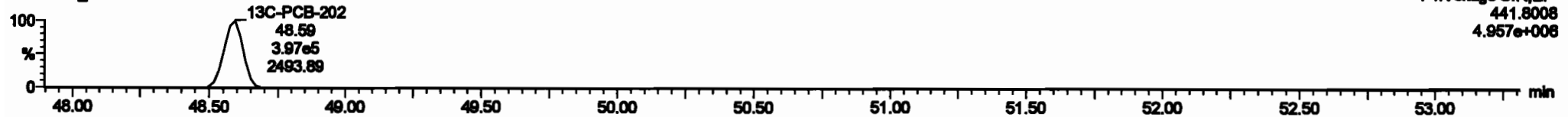
200601K1\_3



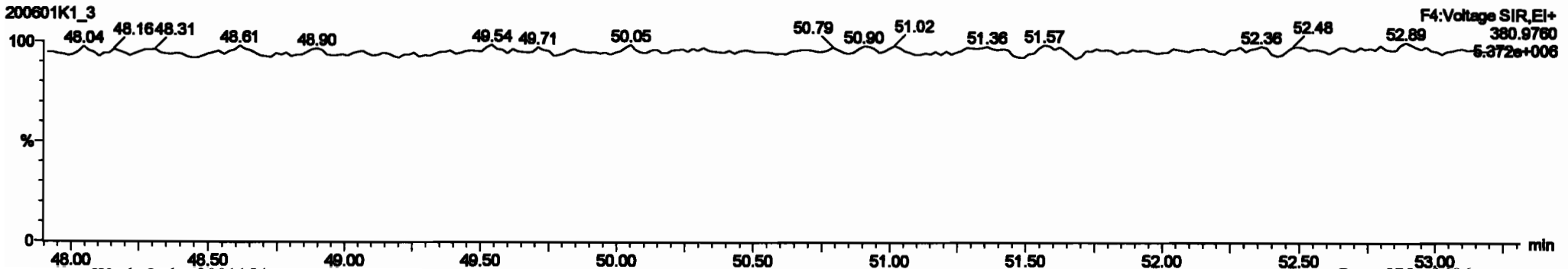
13C-PCB-202



200601K1\_3

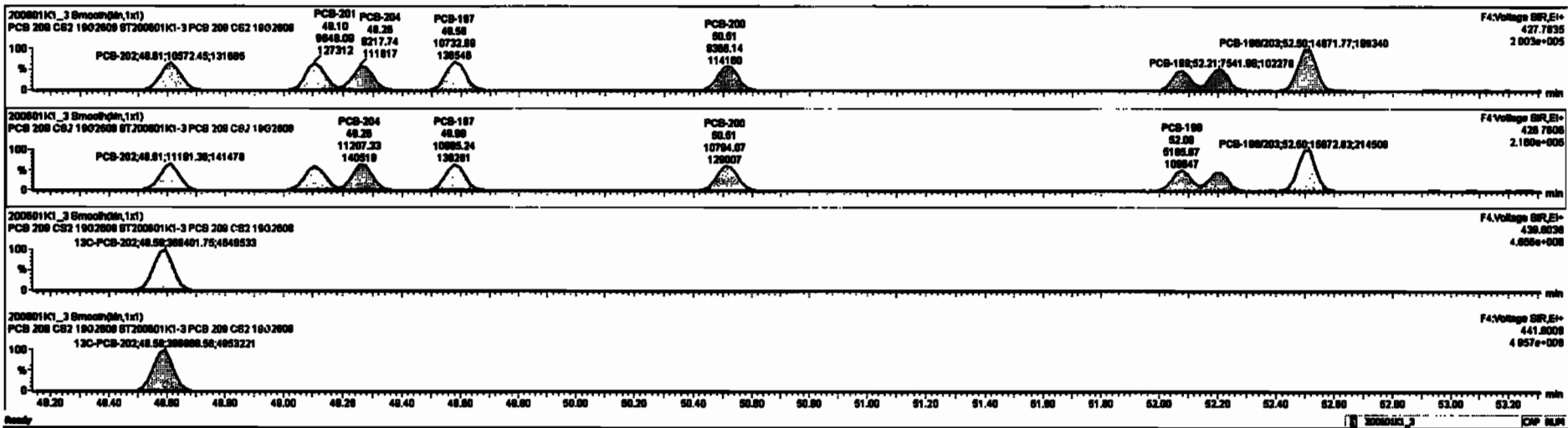


PFK4d



#	Name	Qty	RA	nly	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
227	2nd Function TM-PCBs				0.0000	1.000	0.00		0.000	NO	38.01		0.384	38.01					
228	Total Tubs-PCBs				1.0776	1.000	0.00		0.000	NO	101.0		0.322	101.0					
229	2nd Function Para-PCBs				1.3167	1.000	0.00		0.000	NO	67.62		0.371	67.62					
230	4th Function Para-PCBs				1.0795	1.000	0.00		0.000	NO	12.18		0.0076	12.18					
231	2nd Function Hase-PCBs				0.0000	1.000	0.00		0.000	NO	32.80		0.0076	32.80					
232	4th Function Hase-PCBs				1.0318	1.000	0.00		0.000	NO	68.73		0.272	68.73					
233	Total Hase-PCBs				1.3681	1.000	0.00		0.000	NO	57.74		0.486	57.74					
234	2nd Function Ota-PCBs				1.0000	1.000	0.00		0.000	NO	31.88		0.0000	31.88					
235	4th Function Ota-PCBs				1.4488	1.000	0.00		0.000	NO	6.974		0.0043	6.974					
236	Total Ota-PCBs				0.0023	1.000	0.00		0.000	NO	7.364		0.0007	7.364					
237	237 Desc-CD				0.0004	1.000	0.00		0.000	NO	2.423		0.00763	2.423					
238	238 Total RTs																		

#	Name	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
164	PCB-202	48.83	48.81	1.050e4	1.118e4	0.000	0.94	NO	2.4310	2.4312									
165	PCB-201	48.10	48.10	0.848e3	1.028e4	0.000	0.94	NO	2.4710	2.4712									
166	PCB-204	48.28	48.28	0.218e3	1.121e4	0.000	0.82	NO	2.3380	2.3380									
167	PCB-187	48.88	48.88	1.072e4	1.088e4	0.000	0.88	NO	2.4816	2.4808									
168	PCB-200	50.81	50.81	0.388e3	1.070e4	0.000	0.87	NO	2.4880	2.4881									
169	PCB-188	52.88	52.88	0.803e3	0.188e3	0.000	0.88	NO	2.4776	2.4772									
170	PCB-189	52.18	52.21	7.843e3	7.826e3	0.000	1.00	NO	2.4300	2.4287									
181	PCB-188203	52.82	52.80	1.489e4	1.887e4	0.000	0.94	NO	4.7676	4.7687									





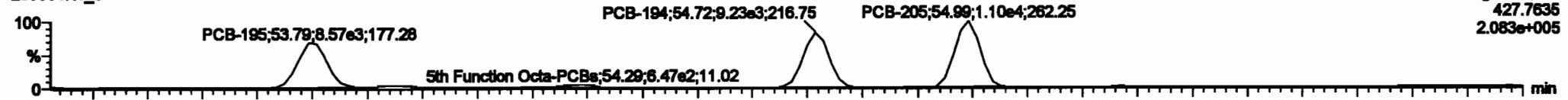
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

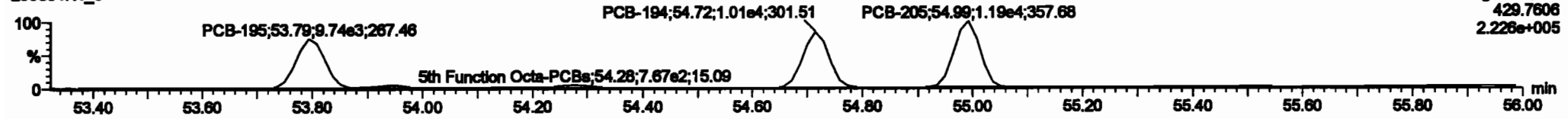
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**PCB-195**

200801K1\_3

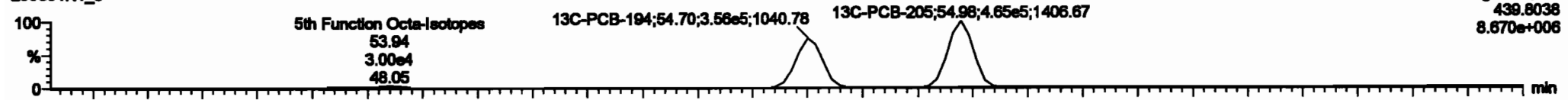


200801K1\_3

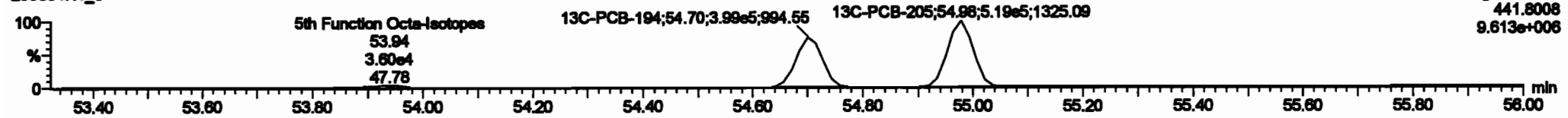


**13C-PCB-194**

200801K1\_3

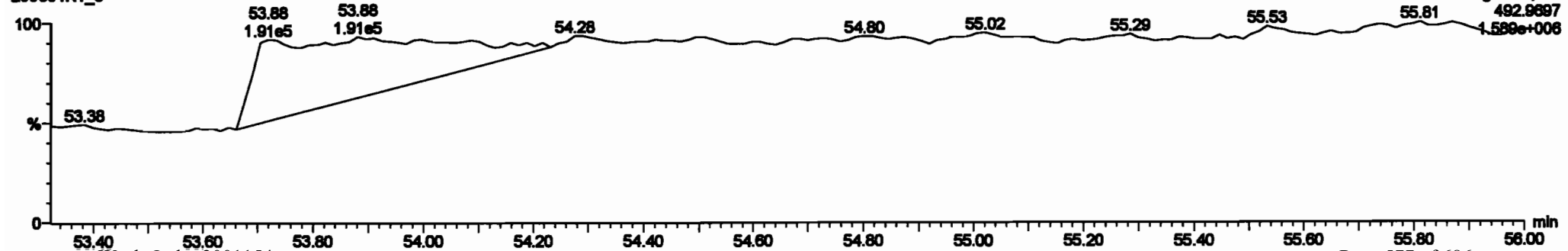


200801K1\_3



**PFK5a**

200801K1\_3



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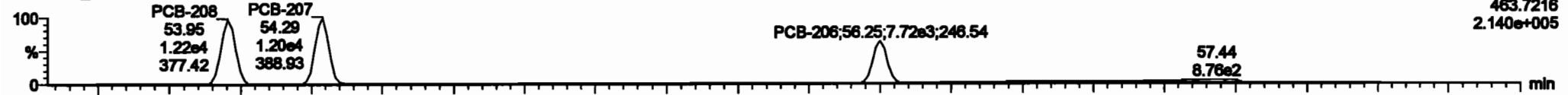
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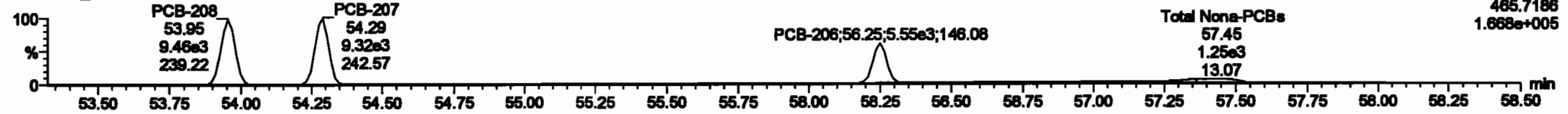
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**PCB-208**

200601K1\_3

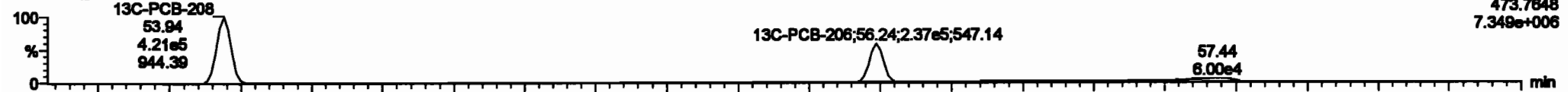


200601K1\_3

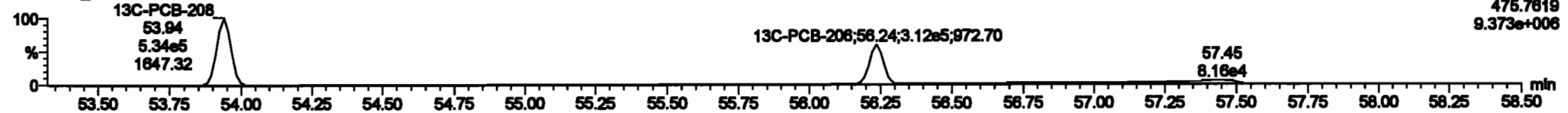


**13C-PCB-208**

200601K1\_3

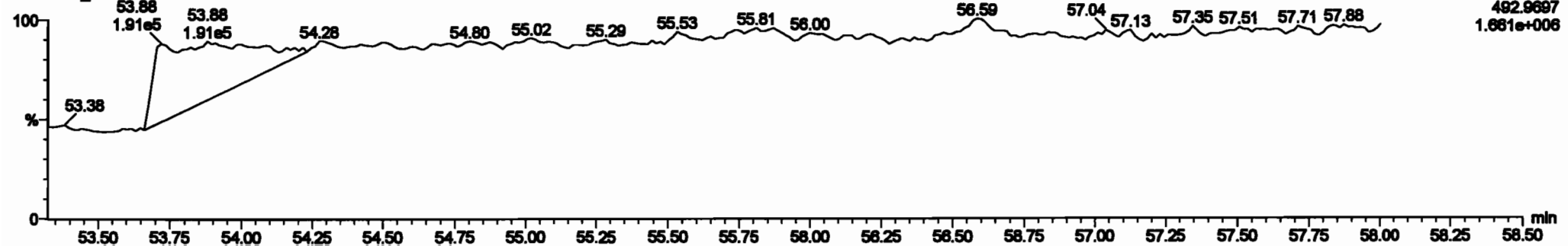


200601K1\_3



**PFK5**

200601K1\_3



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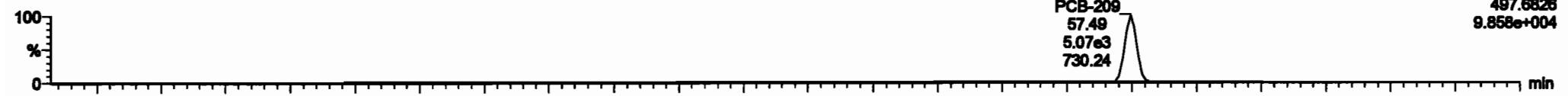
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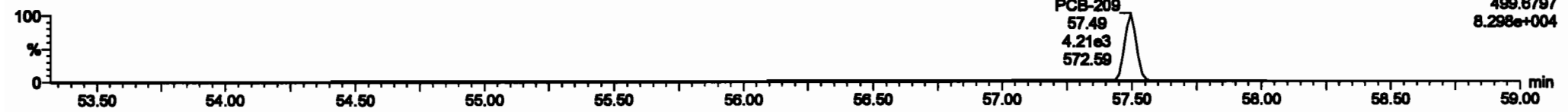
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**PCB-209**

200601K1\_3

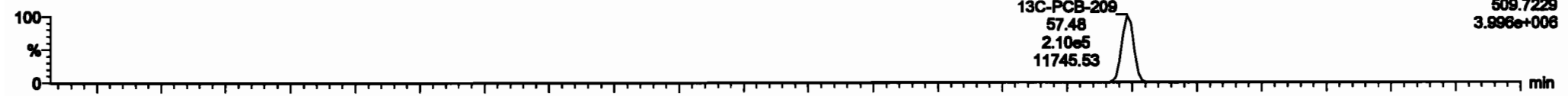


200601K1\_3

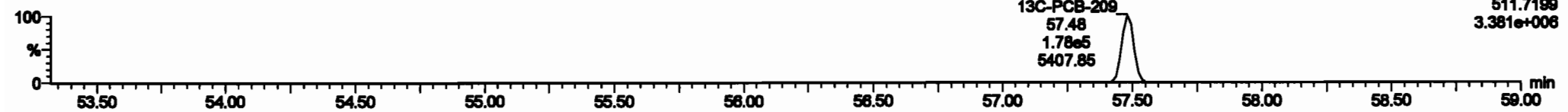


**13C-PCB-209**

200601K1\_3

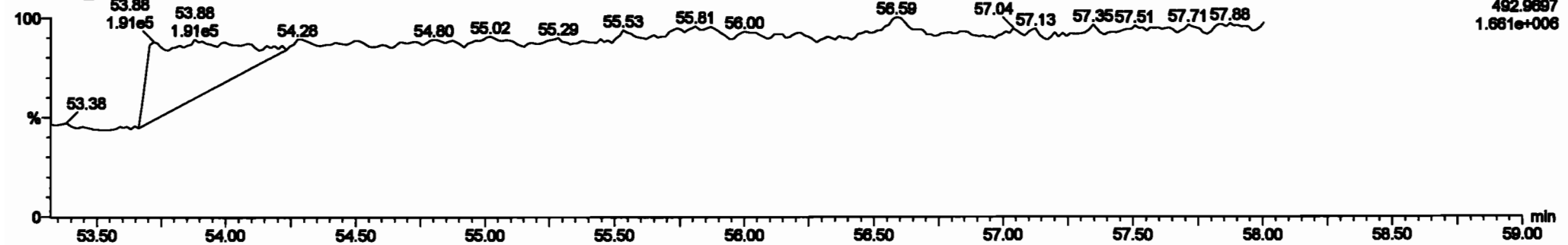


200601K1\_3



**PFK5b**

200601K1\_3



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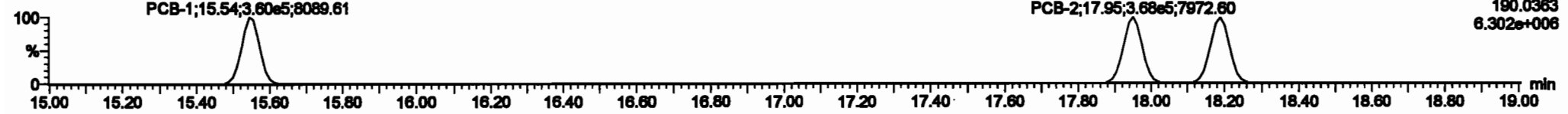
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**PCB-1**

200601K1\_4

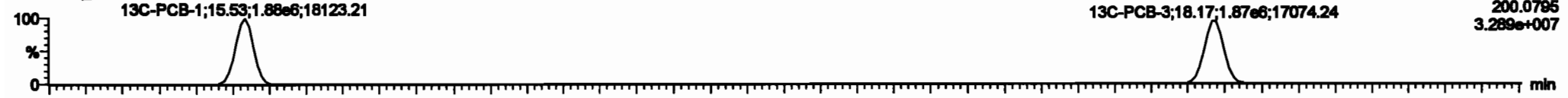


200601K1\_4

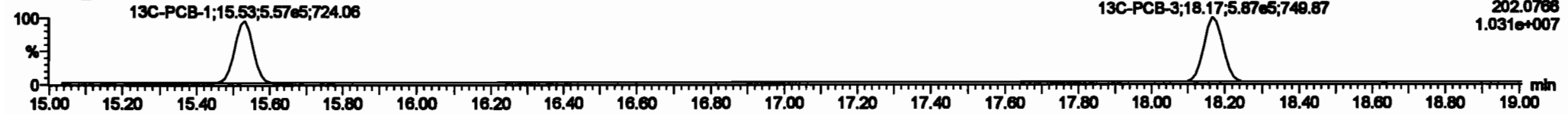


**13C-PCB-1**

200601K1\_4

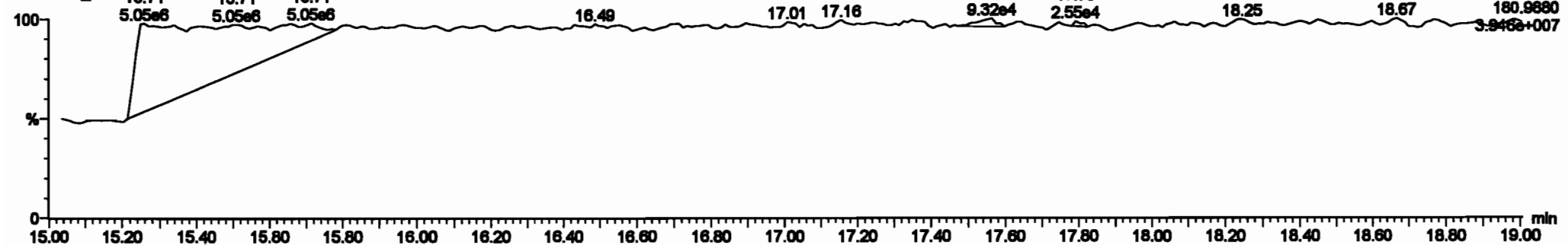


200601K1\_4



**PFK1**

200601K1\_4

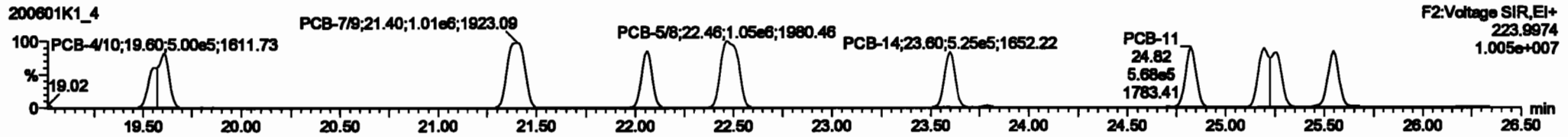
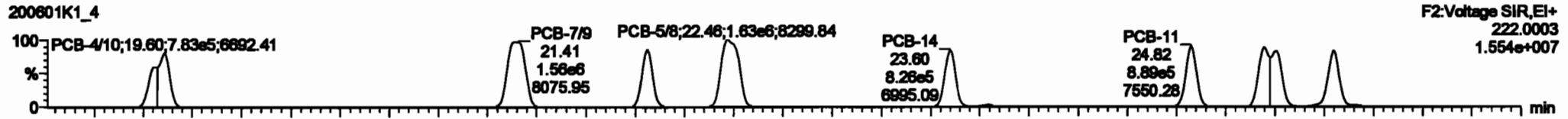


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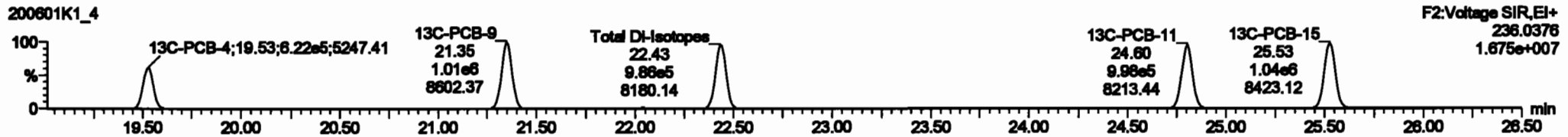
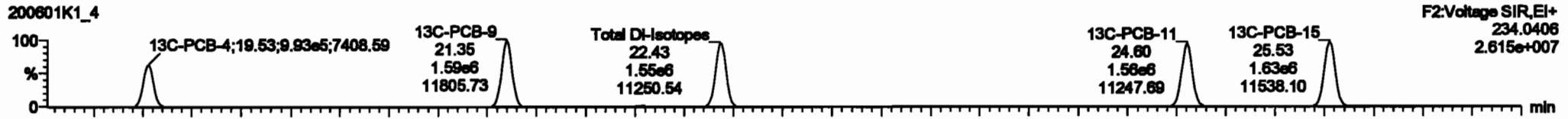
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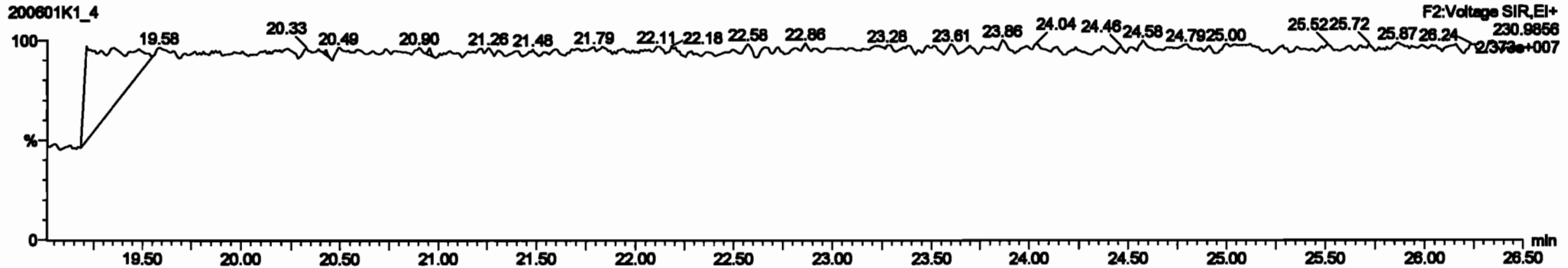
PCB-4/10



13C-PCB-4

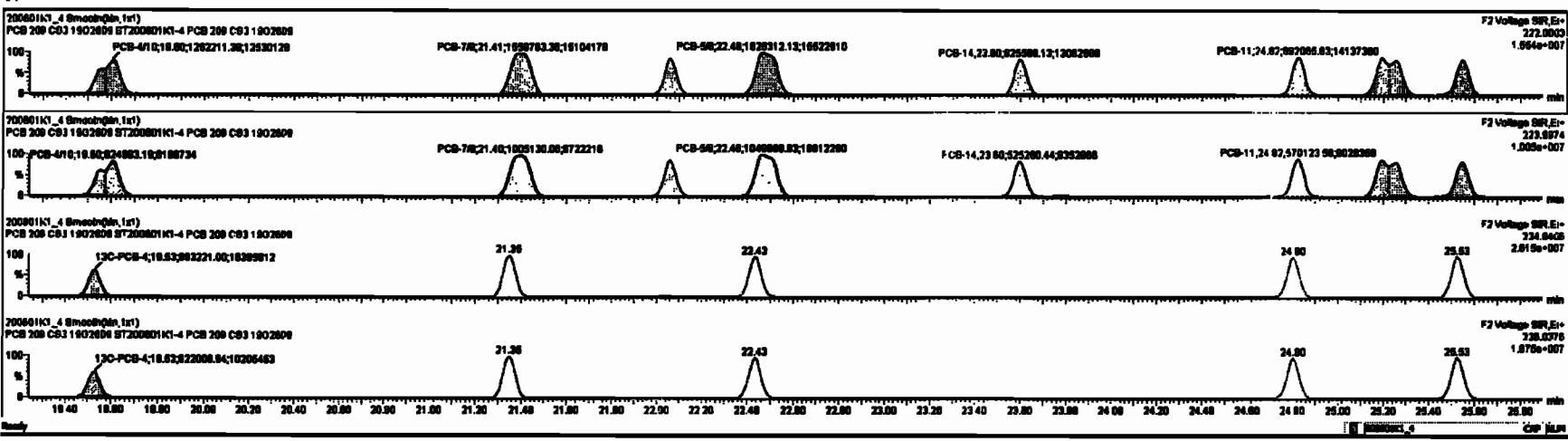


PFK2a



#	Name	Temp	RA	Qty	RFY	Defect	ProdRate	ST	ProdRate	RFY	Defect	ProdRate	ST	ProdRate	RFY	Defect	ProdRate	ST	ProdRate	
224	Total Mass PCBs				1.892	1.000	0.00	0.000			NO	198.1		0.0042	198.1					
225	2nd Function PCBs				1.000	1.000	0.00	0.000			NO	69.0		0.000	69.0					
226	2nd Function TRAPs				1.000	1.000	0.00	0.000			NO	412.0		0.000	412.0					
227	2nd Function Para PCBs				0.000	1.000	0.00	0.000			NO	018.1		0.371	018.1					
228	Total Tube PCBs				1.0770	1.000	0.00	0.000			NO	2171		0.943	2171					
229	2nd Function Para PCBs				1.3107	1.000	0.00	0.000			NO	2103		0.026	2103					
230	4th Function Para PCBs				1.0728	1.000	0.00	0.000			NO	281.1		0.162	281.1					
231	2nd Function Mass PCBs				0.0000	1.000	0.00	0.000			NO	697.0		0.188	697.0					
232	4th Function Mass PCBs				1.0018	1.000	0.00	0.000			NO	1491		1.88	1491					
233	Total Hg PCBs				1.3991	1.000	0.00	0.000			NO	1280		1.28	1280					
234	4th Function Oils PCBs				1.0000	1.000	0.00	0.000			NO	488.1		0.320	488.1					
235	2nd Function Oils PCBs				1.1491	1.000	0.00	0.000			NO	174.1		0.301	174.1					

#	Name	Temp	RA	Qty	RFY	Defect	ProdRate	ST	ProdRate	RFY	Defect	ProdRate	ST	ProdRate	RFY	Defect	ProdRate	ST	ProdRate	
1	PCB-4/10				18.91	18.90	1.20e6	0.35e6	1.990	1.92	NO	100.84		183.00						
2	PCB-7/8				21.41	21.41	1.00e6	1.00e6	1.990	1.86	NO	102.86		182.86						
3	PCB-8				22.00	22.00	8.10e5	6.20e5	1.990	1.89	NO	90.491		80.491						
4	PCB-14				22.48	22.48	1.00e6	1.00e6	1.990	1.86	NO	100.80		100.80						
5	PCB-11				24.02	24.02	8.00e5	6.70e5	1.990	1.87	NO	90.773		80.773						
6	PCB-13/12				25.25	25.25	1.04e6	1.00e6	1.990	1.84	NO	100.30		100.30						
7	PCB-16				26.97	26.96	8.00e5	6.42e5	1.990	1.86	NO	82.282		82.282						

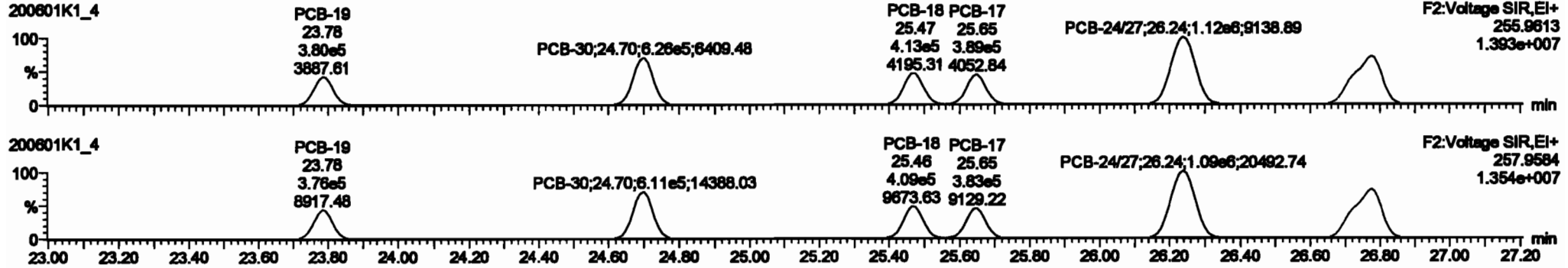


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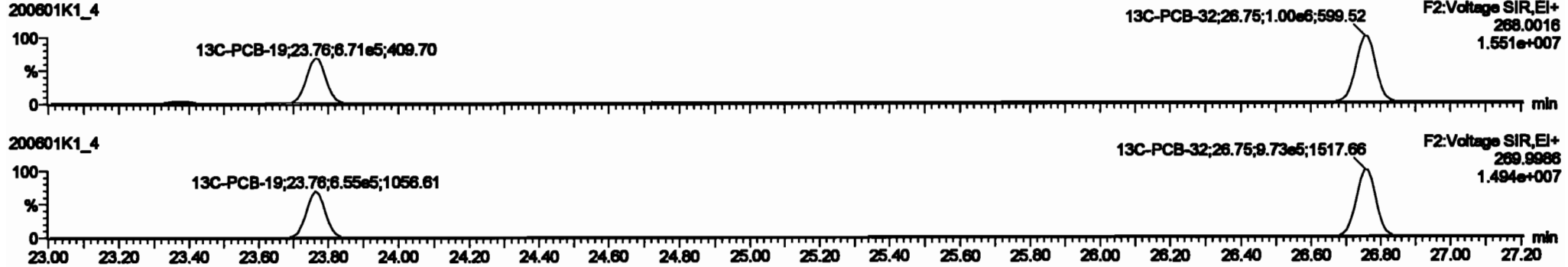
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

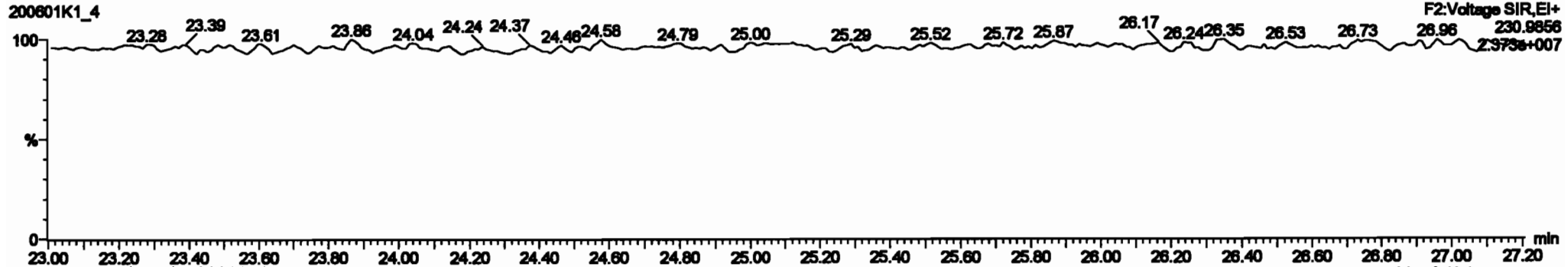
PCB-19



13C-PCB-19



PFK2b

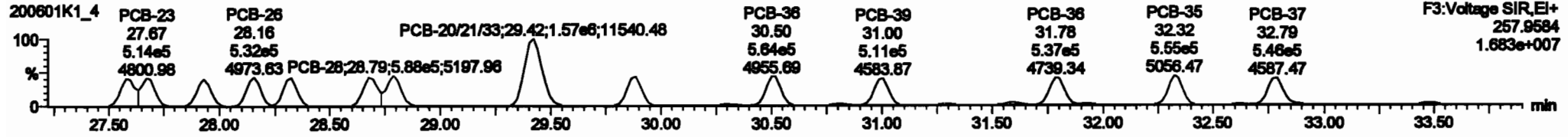
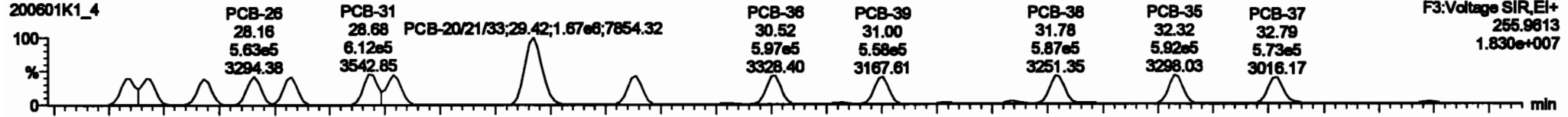


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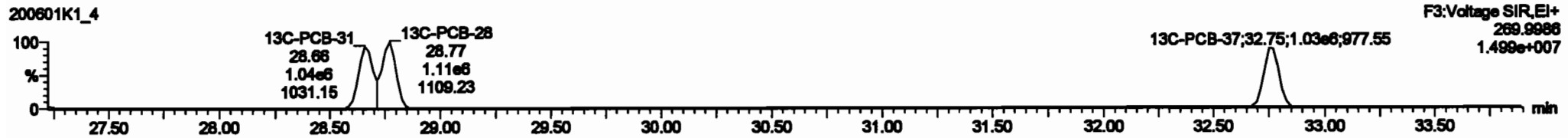
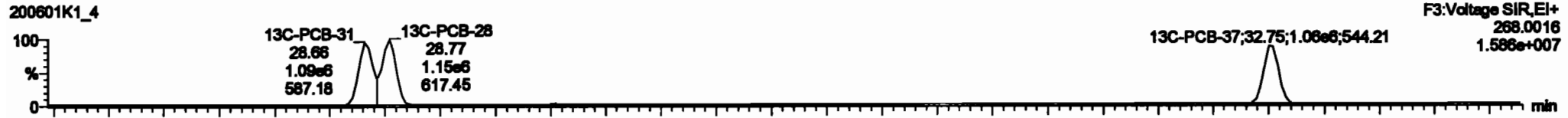
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Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

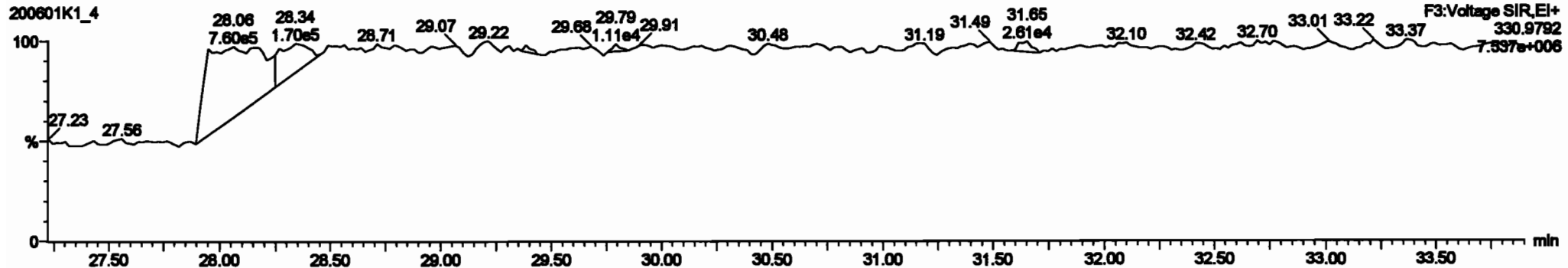
**PCB-34**



**13C-PCB-28**



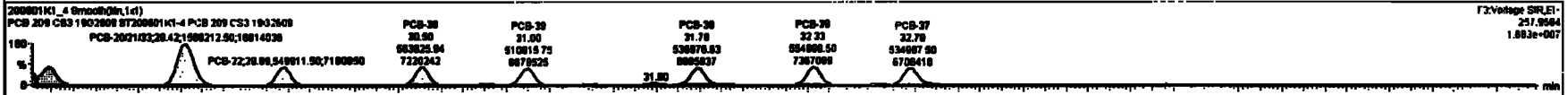
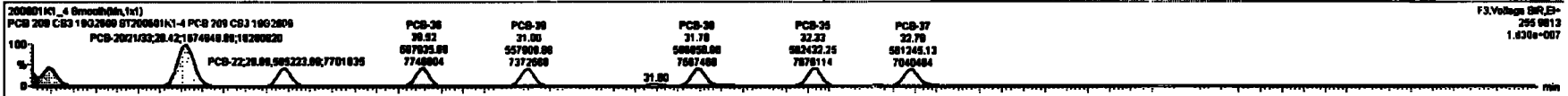
**PFK3d**





#	Name	Comp	RA	Qty	Unit	Cost	Unit Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost
224	Total Mono-PCBs					1.000	0.00	0.000	0.000	NO	188.1	0.000	188.1					
225	Total Di-PCBs					1.000	0.00	0.000	0.000	NO	818.4	0.000	818.4					
226	2nd Function Tri-PCBs					1.000	0.00	0.000	0.000	NO	412.8	0.000	412.8					
227	3rd Function Tetra-PCBs					0.000	0.00	0.000	0.000	NO	0.000	0.000	0.000					
228	Total Tetra-PCBs					1.000	0.00	0.000	0.000	NO	2171	0.000	2171					
229	2nd Function Penta-PCBs					1.000	0.00	0.000	0.000	NO	2108	0.000	2108					
230	4th Function Penta-PCBs					1.000	0.00	0.000	0.000	NO	281.1	0.000	281.1					
231	2nd Function Hexa-PCBs					0.000	0.00	0.000	0.000	NO	887.0	0.000	887.0					
232	4th Function Hexa-PCBs					1.000	0.00	0.000	0.000	NO	1481	0.000	1481					
233	Total Hepta-PCBs					1.000	0.00	0.000	0.000	NO	1280	0.000	1280					
234	4th Function Octa-PCBs					1.000	0.00	0.000	0.000	NO	448.1	0.000	448.1					
235	Total 8th Function Octa-PCBs					1.000	0.00	0.000	0.000	NO	154.1	0.000	154.1					

#	Name	Resist	Cap	Unit	Cost	Unit Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost	Ext Cost
18	PCB-34	27.87	27.87	5.934e5	0.287e5	1.000	1.08	NO	63.487	63.487							
19	PCB-29	27.87	27.87	6.281e5	0.140e5	1.000	1.08	NO	62.838	62.838							
20	PCB-28	27.87	27.87	6.210e5	4.830e5	1.000	1.08	NO	63.240	63.240							
21	PCB-26	28.18	28.18	6.832e5	6.321e5	1.000	1.08	NO	81.287	81.287							
22	PCB-25	28.21	28.22	6.916e5	6.214e5	1.000	1.08	NO	83.288	83.288							
23	PCB-31	28.88	28.88	6.118e5	6.388e5	1.000	1.14	NO	68.828	68.828							
24	PCB-28	28.78	28.78	6.380e5	6.878e5	1.000	1.08	NO	82.734	82.734							
25	PCB-202103	28.43	28.42	1.878e5	1.888e5	1.000	1.07	NO	182.28	182.28							
26	PCB-22	28.87	28.88	6.882e5	6.488e5	1.000	1.08	NO	81.848	81.848							

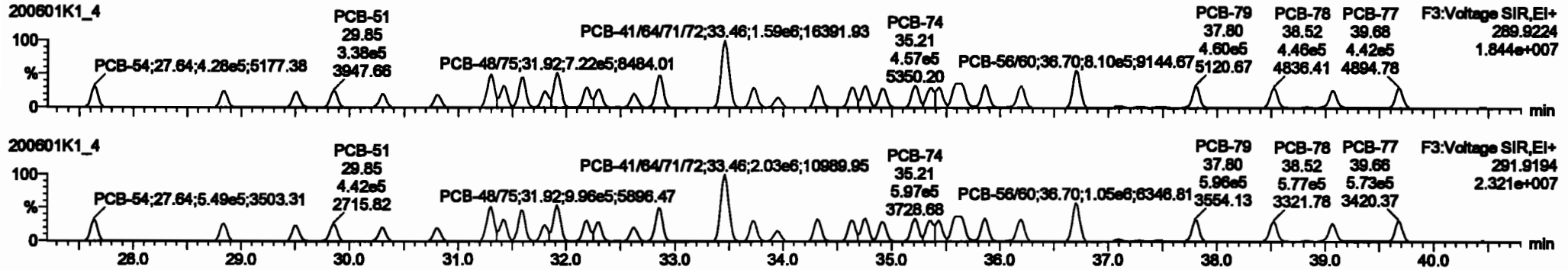


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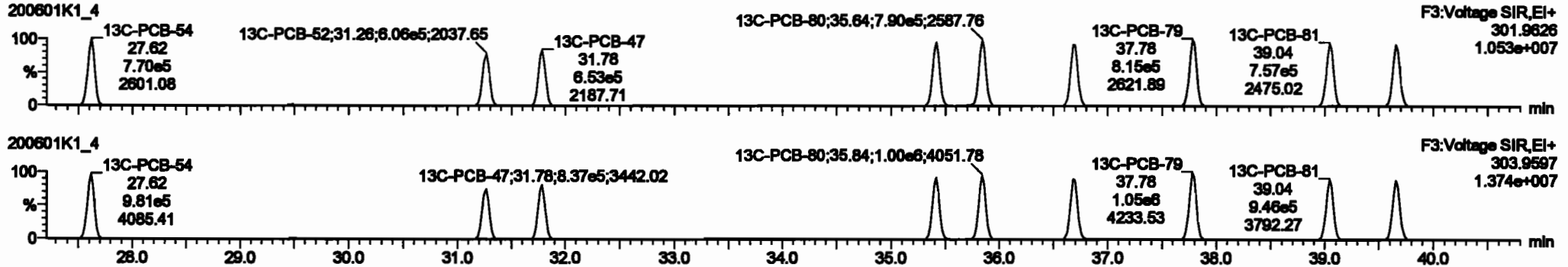
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Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

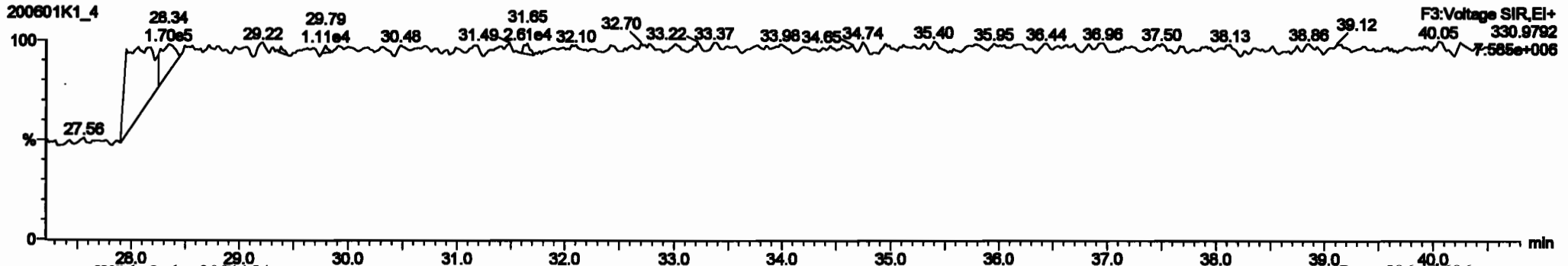
**PCB-54**



**13C-PCB-54**



**PFK3a**



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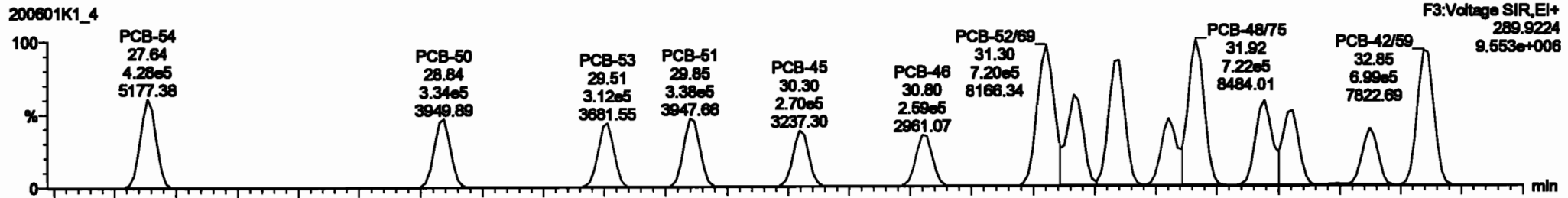
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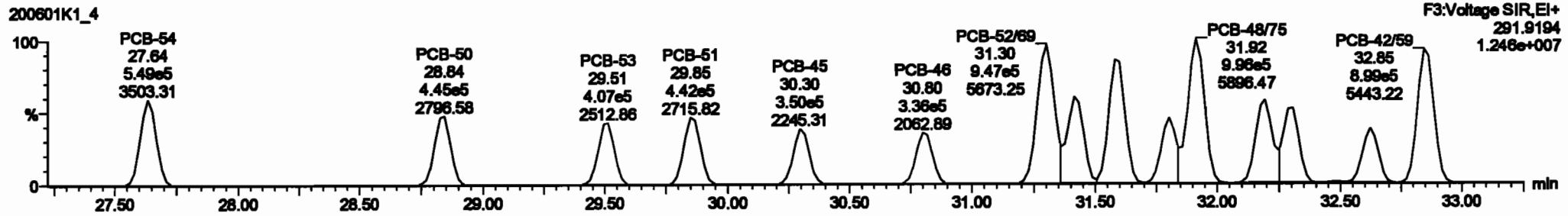
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PCB-50

200601K1\_4

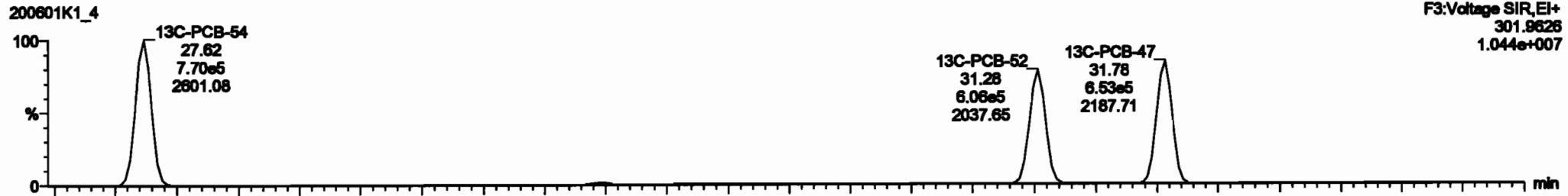


200601K1\_4

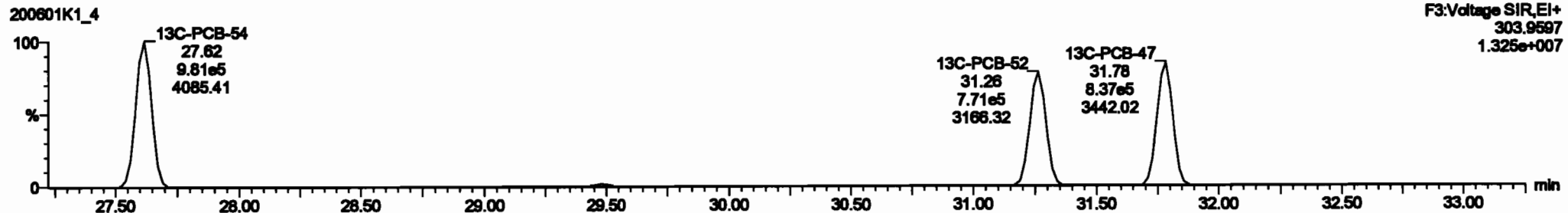


13C-PCB-52

200601K1\_4

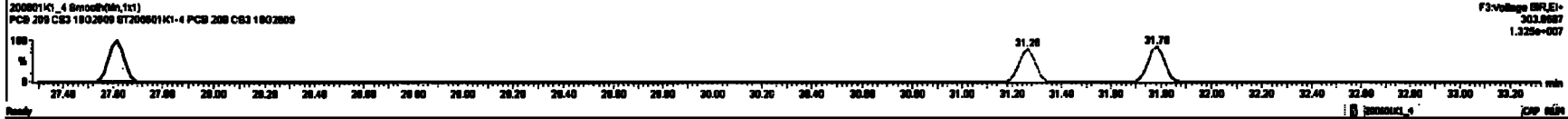
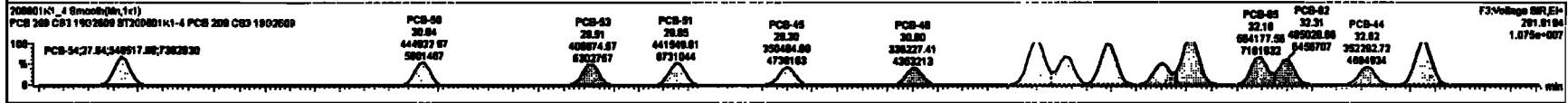
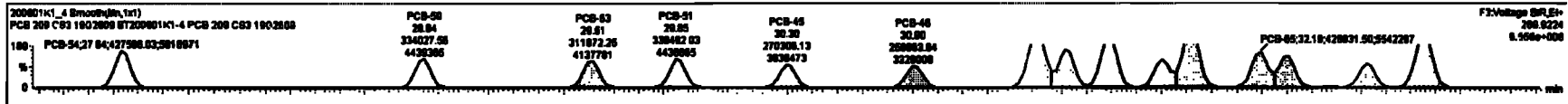


200601K1\_4



#	Name	Range	RA	dy	W/F	valdet	PeakRT	RT	PeakRT	Area	W/F	Comp.	Ratio	DL	MSPC
226	Total Mono-PCBs				1.000	1.000	0.00	0.000	NO	188.1			0.000	188.1	
227	Total Di-PCBs				1.000	1.000	0.00	0.000	NO	918.4			0.000	918.4	
228	Total Tri-PCBs				1.000	1.000	0.00	0.000	NO	412.5			0.000	412.5	
229	1st Function Tri-PCBs				0.000	1.000	0.00	0.000	NO	918.1			0.000	918.1	
230	2nd Function Tri-PCBs				1.000	0.000	0.00	0.000	NO	248.0			0.000	248.0	
231	3rd Function Tri-PCBs				1.000	0.000	0.00	0.000	NO	287.2			0.000	287.2	
232	4th Function Tri-PCBs				1.000	0.000	0.00	0.000	NO	148.1			1.000	148.1	
233	Total Tetra-PCBs				1.000	1.000	0.00	0.000	NO	1289			1.000	1289	
234	1st Function Tetra-PCBs				1.000	0.000	0.00	0.000	NO	446.1			0.000	446.1	
235	2nd Function Tetra-PCBs				1.000	0.000	0.00	0.000	NO	184.1			0.000	184.1	

#	Name	Value	RT	W/F	PeakRT	Area	W/F	Comp.	Ratio
32	PCB-84	27.84	27.84	4.270e5	6.499e5	0.770	0.78	NO	91.824
33	PCB-89	28.89	28.84	3.240e5	4.449e5	0.770	0.78	NO	90.978
34	PCB-89	28.89	28.81	3.120e5	4.089e5	0.770	0.77	NO	92.288
35	PCB-91	28.99	28.89	3.280e5	4.419e5	0.770	0.77	NO	93.201
36	PCB-95	30.30	30.30	2.700e5	3.600e5	0.770	0.77	NO	92.599
37	PCB-95	30.30	30.85	2.850e5	3.800e5	0.770	0.77	NO	92.943
38	PCB-99	31.31	31.20	1.200e5	0.470e5	0.770	0.78	NO	103.000
39	PCB-79	31.41	31.41	4.880e5	6.520e5	0.770	0.78	NO	93.621
40	PCB-99	31.89	31.89	6.280e5	8.314e5	0.770	0.77	NO	108.07



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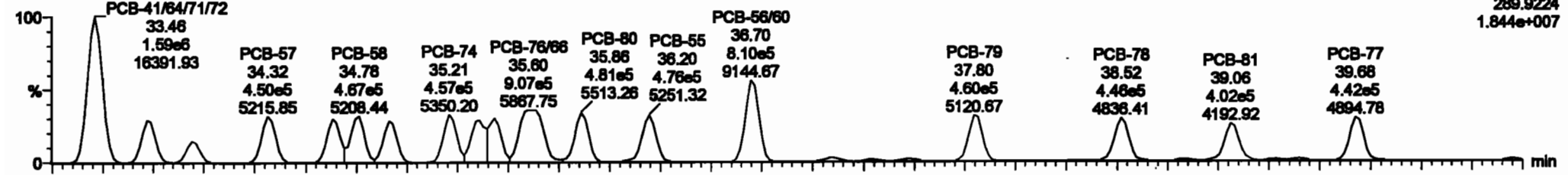
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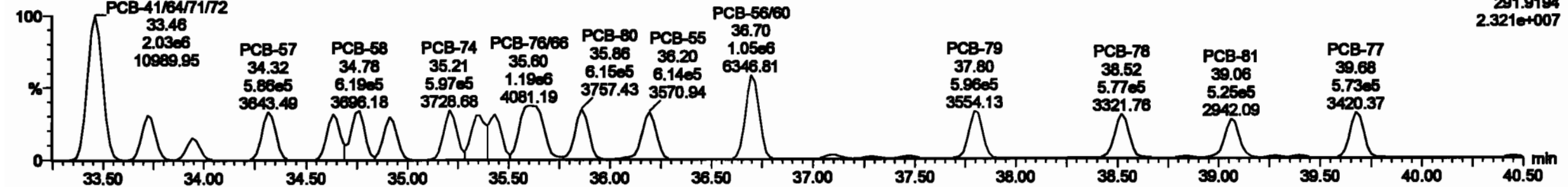
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PCB-68

200601K1\_4

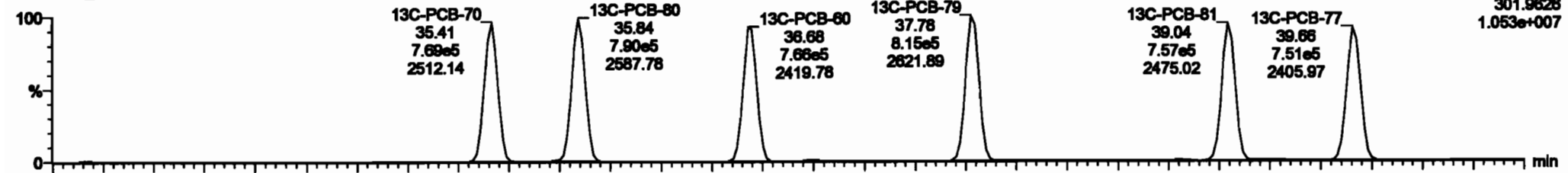


200601K1\_4

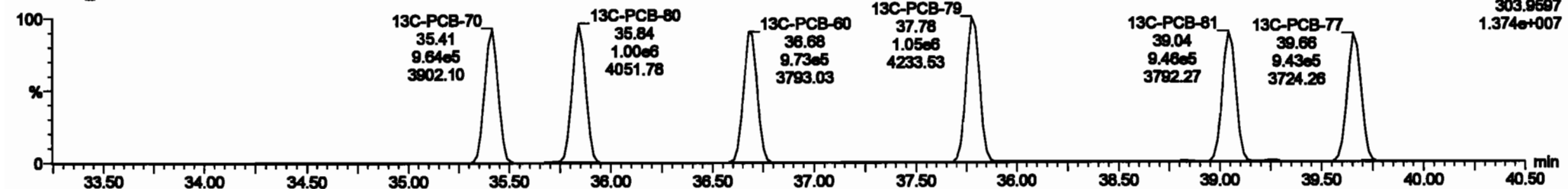


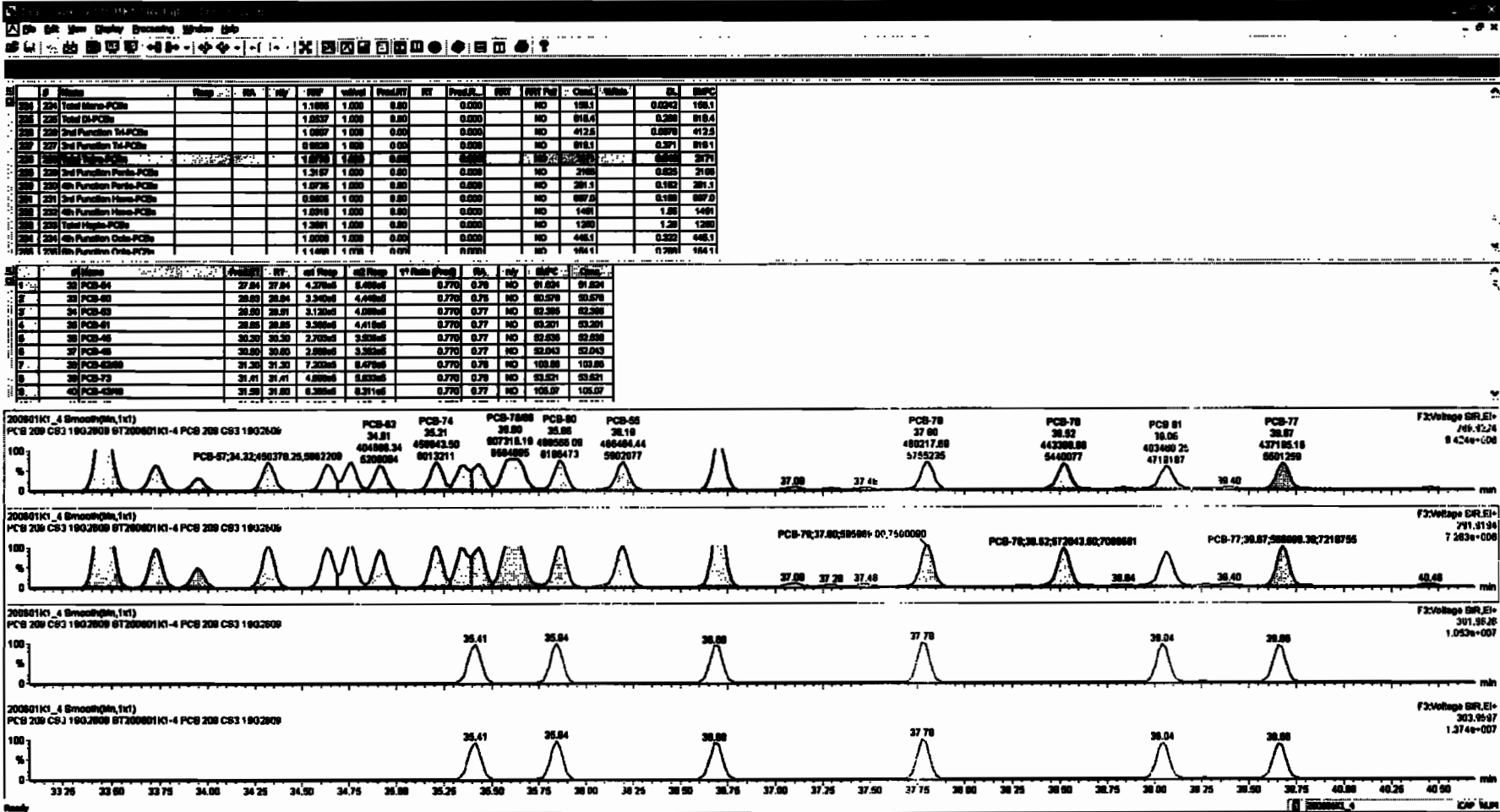
13C-PCB-60

200601K1\_4



200601K1\_4





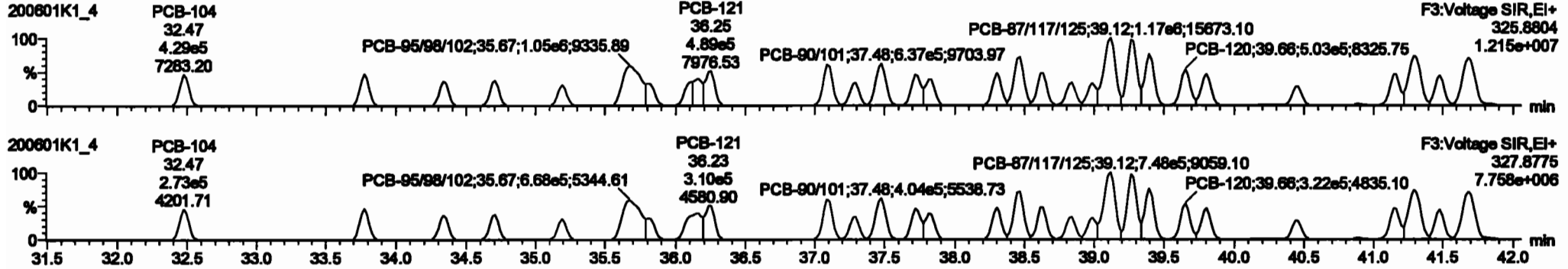
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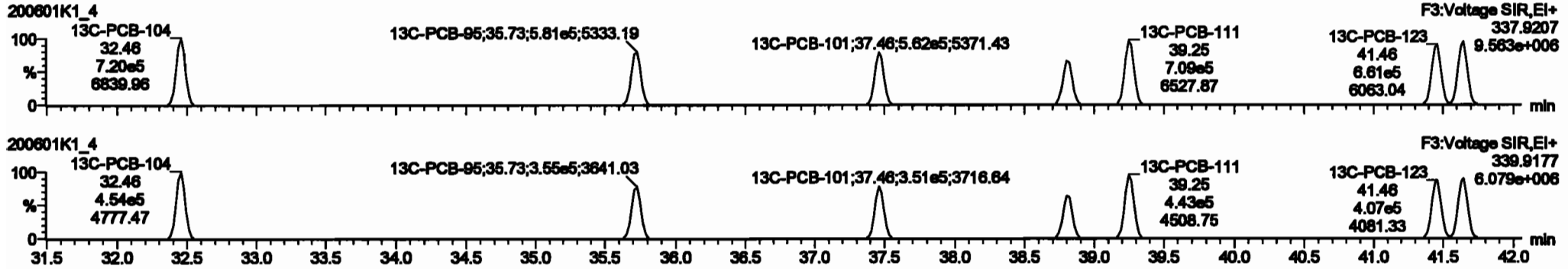
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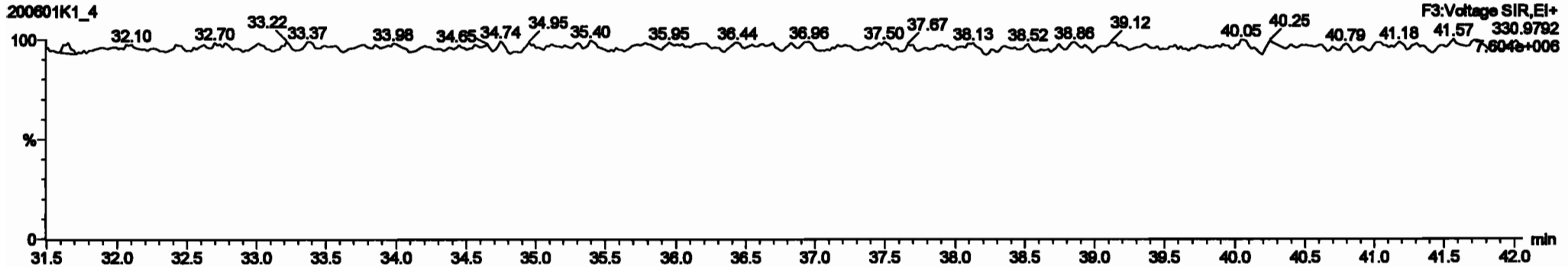
**PCB-104**



**13C-PCB-104**



**PFK3b**



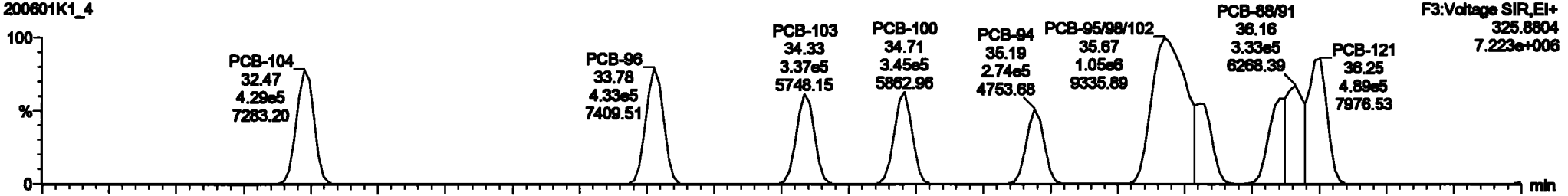
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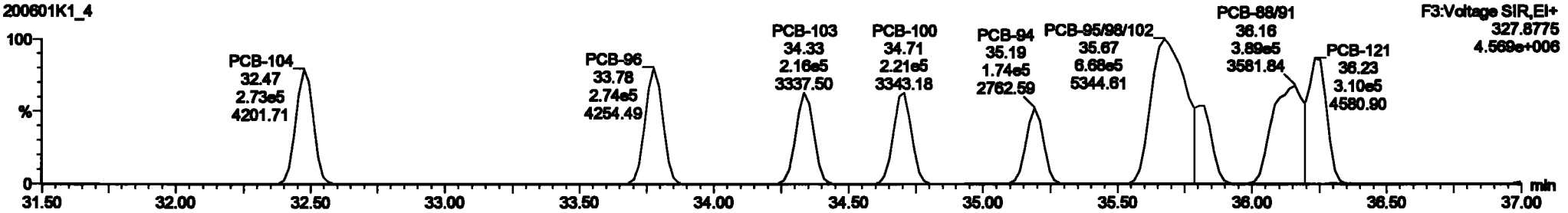
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PCB-96

200601K1\_4



200601K1\_4

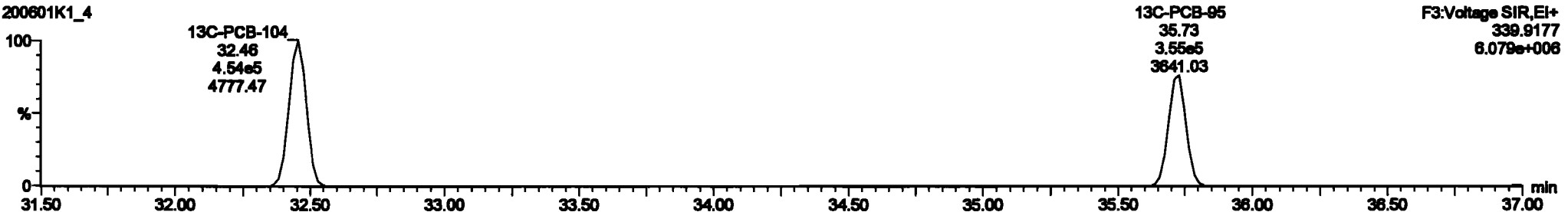


13C-PCB-95

200601K1\_4



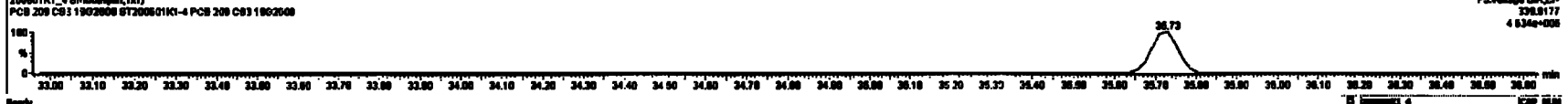
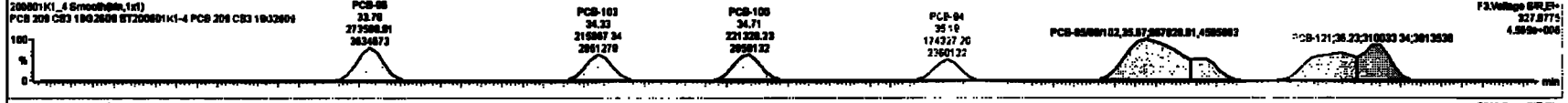
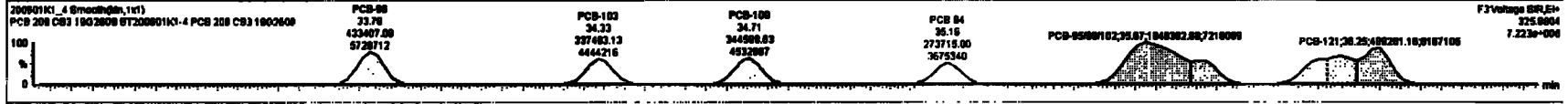
200601K1\_4





#	Category	Wgt	Vol	Qty	WPC	Vol/W	Prod/WT	RT	Prod/R	WPC	WPC/Pct	Cont	Value	CU	WPC
224	Total Micro-PCBs			1.000	1.000	0.00		0.000	ND	100.1	0.0242	100.1			
225	Total BL-PCBs			1.000	1.000	0.00		0.000	ND	018.4	0.200	018.4			
226	Total Para-PCBs			1.000	1.000	0.00		0.000	ND	412.0	0.000	412.0			
227	Total Para-PCBs			0.000	1.000	0.00		0.000	ND	018.1	0.000	018.1			
228	Total Para-PCBs			1.000	1.000	0.00		0.000	ND	2171	0.000	2171			
229	Total Para-PCBs			1.000	1.000	0.00		0.000	ND	1.000	0.000	1.000			
230	4th Para-PCBs			1.000	1.000	0.00		0.000	ND	201.1	0.140	201.1			
231	3rd Para-PCBs			0.000	1.000	0.00		0.000	ND	007.0	0.100	007.0			
232	4th Para-PCBs			1.000	1.000	0.00		0.000	ND	1401	1.000	1401			
233	Total Para-PCBs			1.000	1.000	0.00		0.000	ND	1200	1.200	1200			
234	4th Para-PCBs			1.000	1.000	0.00		0.000	ND	446.1	0.302	446.1			
235	4th Para-PCBs			1.000	1.000	0.00		0.000	ND	104.1	0.000	104.1			

PCB	PCB-00	PCB-103	PCB-100	PCB-04	PCB-05000102,35.07,104002.00,7210000	PCB-121,20.20,490201.10,0107100									
00	33.47	34.23	4.20e6	2.70e6	1.000	1.07	ND	00.204	00.204						
00	33.70	34.23	4.20e6	2.70e6	1.000	1.00	ND	00.100	00.100						
00	34.20	34.23	3.20e6	2.10e6	1.000	1.00	ND	00.200	00.200						
00	34.00	34.21	3.40e6	2.30e6	1.000	1.00	ND	00.000	00.000						
00	34.20	34.10	2.70e6	1.70e6	1.000	1.07	ND	00.000	00.000						
00	34.00	34.07	1.00e6	0.60e6	1.000	1.07	ND	100.00	100.00						
00	34.00	34.01	2.00e6	1.70e6	1.000	1.00	ND	00.000	00.000						
00	34.10	34.10	0.00e6	0.00e6	1.000	1.00	ND	100.00	100.00						
00	34.20	34.20	4.00e6	3.00e6	1.000	1.00	ND	00.000	00.000						

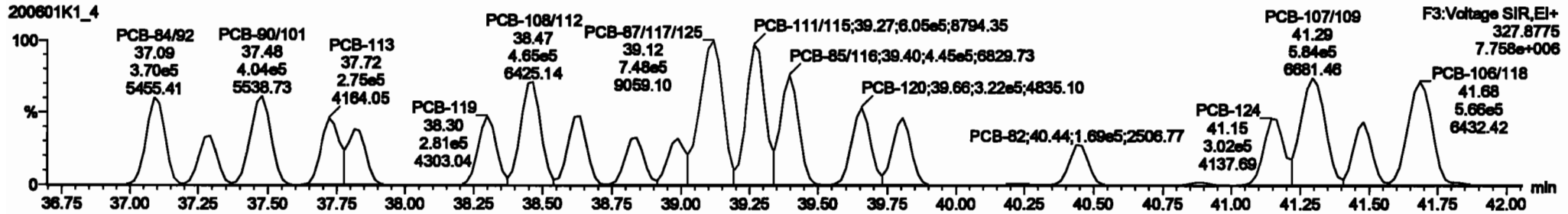
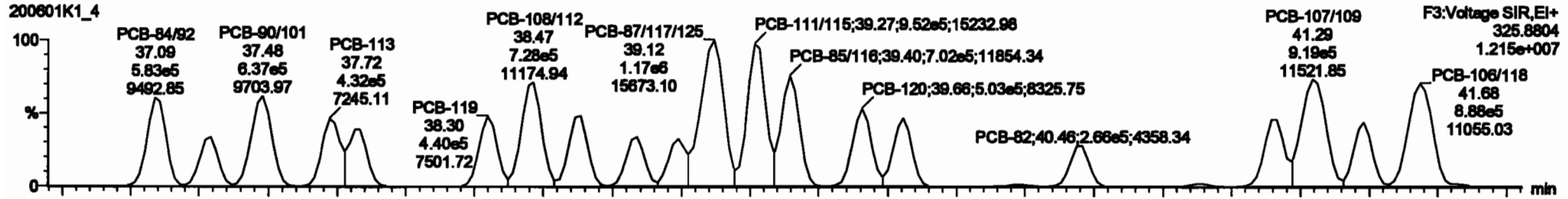


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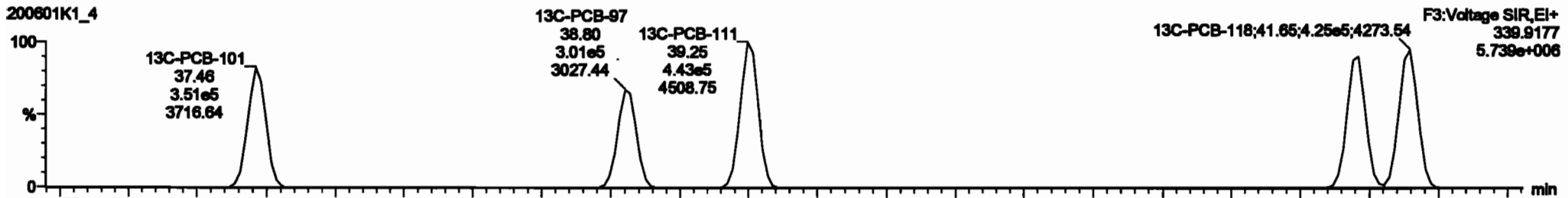
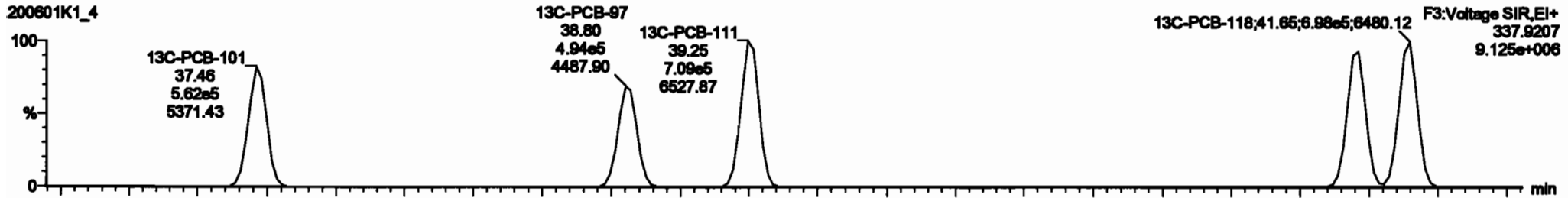
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Name: 200601K1\_4, Date: 01-Jun-2020, Time: 15:19:46, ID: ST200601K1-4 PCB 209 CS3 19G2609, Description: PCB 209 CS3 19G2609

PCB-119

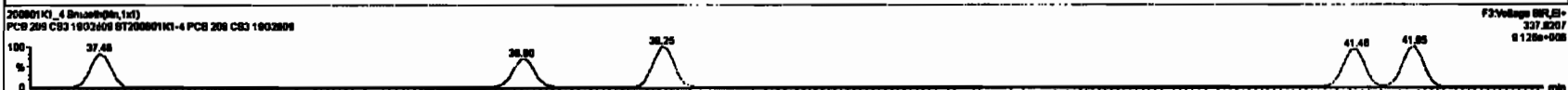
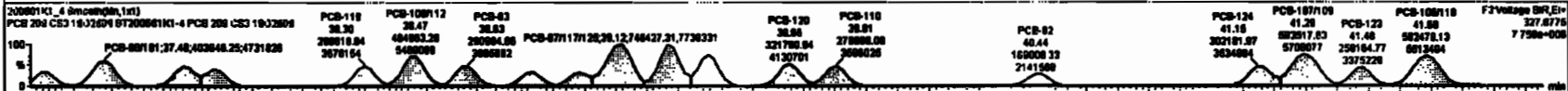


13C-PCB-111



#	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	0.000	188.1		0.000	188.1		
235	Total Di-PCBs		1.0007	1.000	0.00	0.000	NO	918.4	0.000	918.4		0.000	918.4		
236	2nd Function TM-PCBs		1.0007	1.000	0.00	0.000	NO	412.8	0.000	412.8		0.000	412.8		
237	2nd Function YL-PCBs		0.0000	1.000	0.00	0.000	NO	918.1	0.000	918.1		0.000	918.1		
238	Total Tern-PCBs		1.0776	1.000	0.00	0.000	NO	2171	0.000	2171		0.000	2171		
239	4th Function Para-PCBs		1.0776	1.000	0.00	0.000	NO	209.1	0.000	209.1		0.000	209.1		
240	2nd Function Para-PCBs		0.0000	1.000	0.00	0.000	NO	697.0	0.000	697.0		0.000	697.0		
241	4th Function Para-PCBs		1.0018	1.000	0.00	0.000	NO	1491	0.000	1491		0.000	1491		
242	Total Hexa-PCBs		1.0001	1.000	0.00	0.000	NO	1200	0.000	1200		0.000	1200		
243	4th Function Octa-PCBs		1.0000	1.000	0.00	0.000	NO	448.1	0.000	448.1		0.000	448.1		
244	2nd Function Octa-PCBs		1.1498	1.000	0.00	0.000	NO	184.1	0.000	184.1		0.000	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	4.20e6	2.72e6	1.000	1.07	NO	63.234	63.234
65	PCB-43	33.76	33.76	4.20e6	2.72e6	1.000	1.00	NO	62.119	62.119
66	PCB-109	34.23	34.23	3.37e6	2.18e6	1.000	1.00	NO	60.288	60.288
67	PCB-103	34.69	34.71	3.44e6	2.21e6	1.000	1.00	NO	60.918	60.918
68	PCB-81	35.21	35.19	2.72e6	1.74e6	1.000	1.07	NO	60.480	60.480
69	PCB-66m002	35.69	35.67	1.84e6	0.67e6	1.000	1.07	NO	162.28	162.28
70	PCB-48	36.01	36.01	2.50e6	1.74e6	1.000	1.00	NO	60.287	60.287
71	PCB-68m1	36.18	36.18	0.07e6	3.00e6	1.000	1.00	NO	100.02	100.02
72	PCB-121	36.38	36.28	4.00e6	3.10e6	1.000	1.00	NO	49.000	49.000

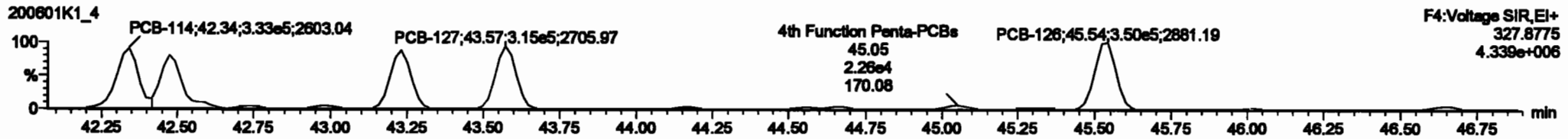
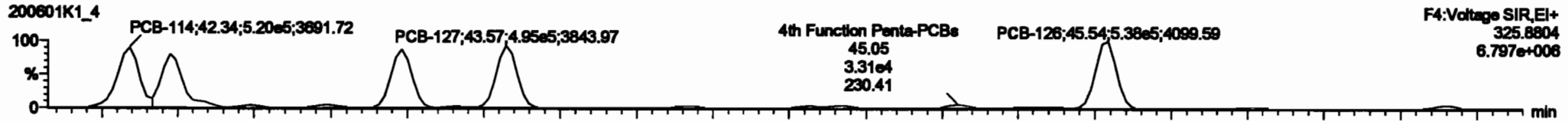


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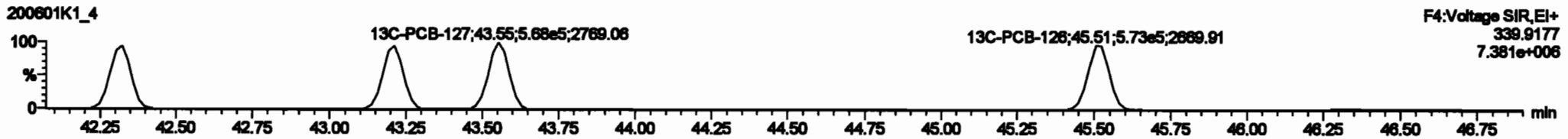
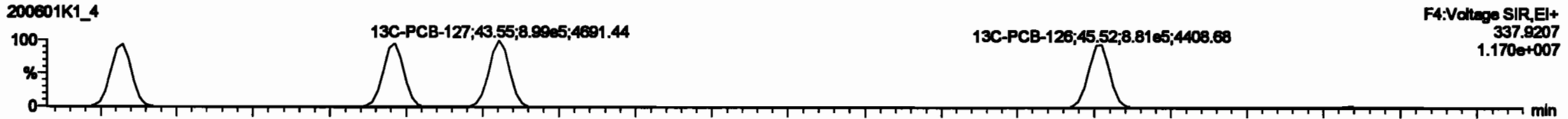
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

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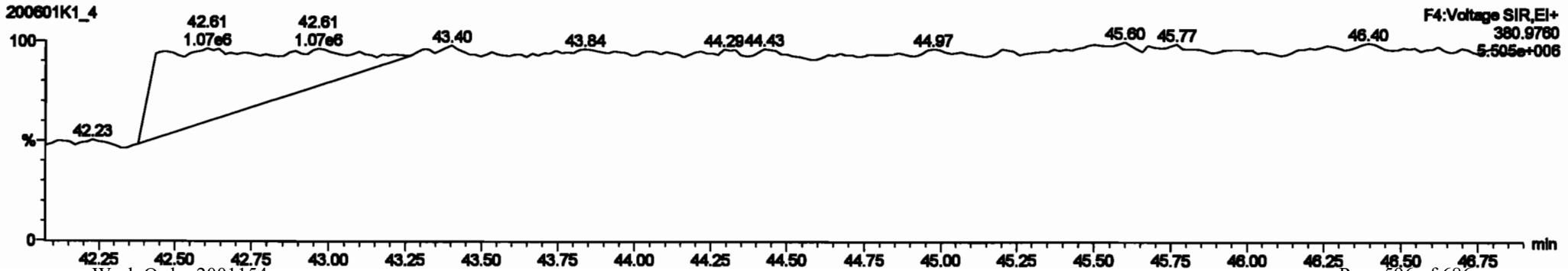
**PCB-114**



**13C-PCB-114**

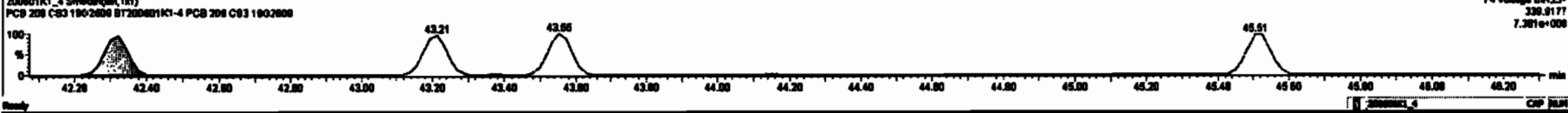
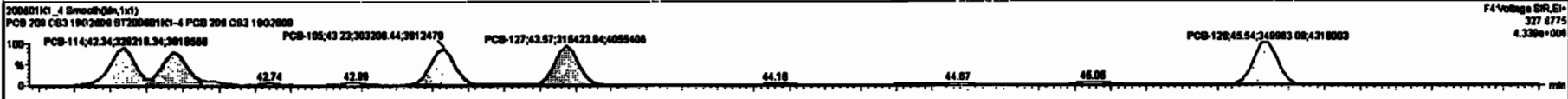
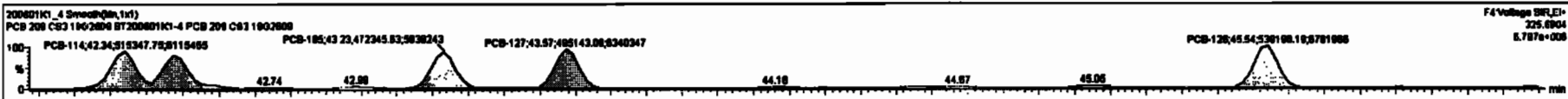


**PFK4a**



#	Name	Range	BA	Units	RPV	StdDev	Mean	Min	Max	Print R	RPV	RPV Pct	Comp	RPV	RPV
224	Total Micro-PCBs				1.1885	1.000	0.00			0.000	NO	198.1	0.0042	198.1	
225	Total DL-PCBs				1.0837	1.000	0.00			0.000	NO	818.4	0.289	818.4	
226	2nd Function Tri-PCBs				1.2607	1.000	0.00			0.000	NO	412.5	0.0070	412.5	
227	3rd Function Tri-PCBs				0.9828	1.000	0.00			0.000	NO	818.1	0.371	818.1	
228	Total Tetra-PCBs				1.5778	1.000	0.00			0.000	NO	2171	0.843	2171	
229	2nd Function Tetra-PCBs				1.3157	1.000	0.00			0.000	NO	2168	0.823	2168	
230	3rd Function Tetra-PCBs				1.0222	1.000	0.00			0.000	NO	289.2	0.488	289.2	
231	4th Function Tetra-PCBs				0.8886	1.000	0.00			0.000	NO	897.0	0.188	897.0	
232	5th Function Tetra-PCBs				1.0218	1.000	0.00			0.000	NO	1481	1.55	1481	
233	Total Hepta-PCBs				1.3891	1.000	0.00			0.000	NO	1280	1.28	1280	
234	6th Function Octa-PCBs				1.0028	1.000	0.00			0.000	NO	445.1	0.322	445.1	
235	7th Function Octa-PCBs				1.1488	1.000	0.00			0.000	NO	184.1	0.260	184.1	

#	Name	Print R	RPV	StdDev	Mean	Min	Max	Print R	RPV	RPV Pct	Comp
1	93 PCB-114	42.34	42.34	6.182e5	3.382e5	1.580	1.87	NO	82.841	82.841	
2	94 PCB-122	42.48	42.47	4.218e5	2.889e5	1.580	1.88	NO	82.105	82.105	
3	95 PCB-105	43.23	43.23	4.722e5	3.022e5	1.580	1.88	NO	82.880	82.880	
4	96 PCB-127	43.87	43.87	4.881e5	3.184e5	1.580	1.87	NO	82.188	82.188	
5	97 PCB-128	45.84	45.84	6.382e5	3.900e5	1.580	1.84	NO	82.138	82.138	



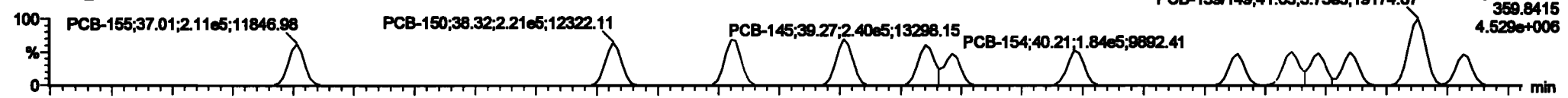
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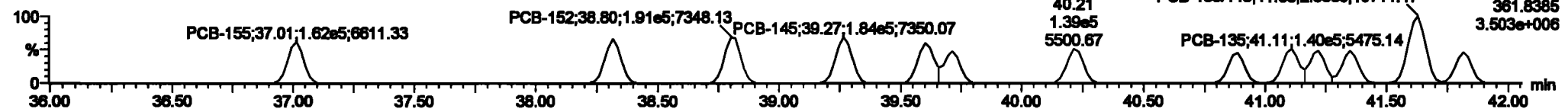
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**PCB-155**

200601K1\_4

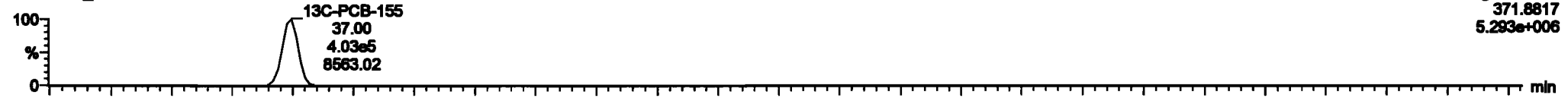


200601K1\_4

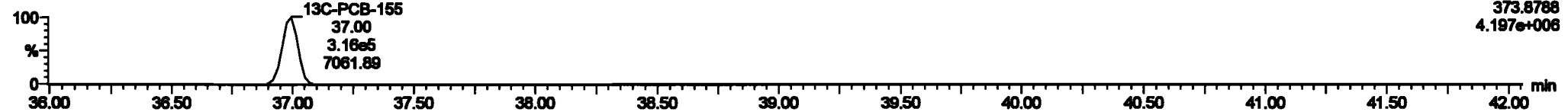


**13C-PCB-155**

200601K1\_4

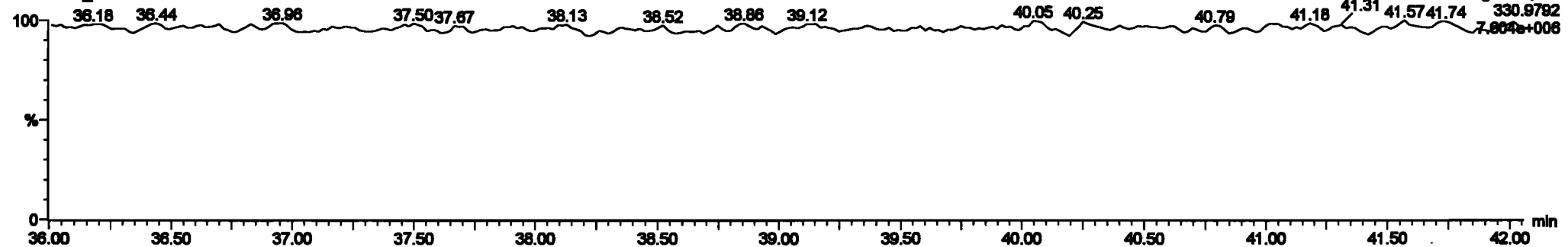


200601K1\_4



**PFK3c**

200601K1\_4

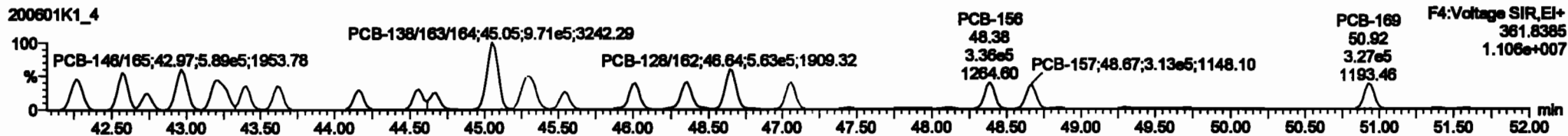
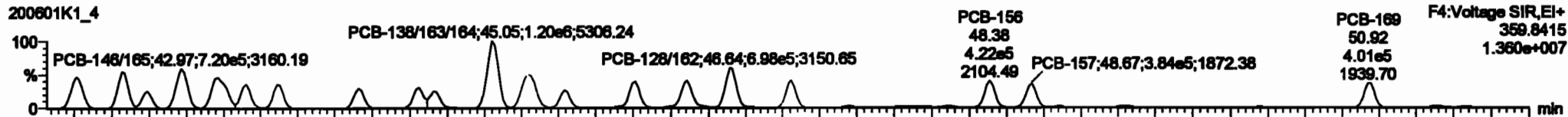


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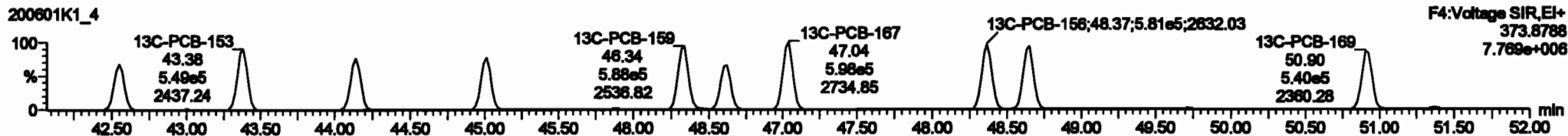
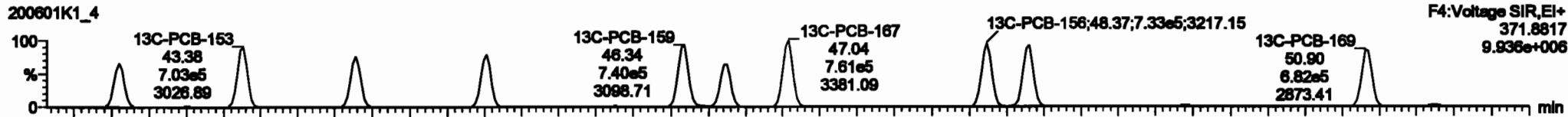
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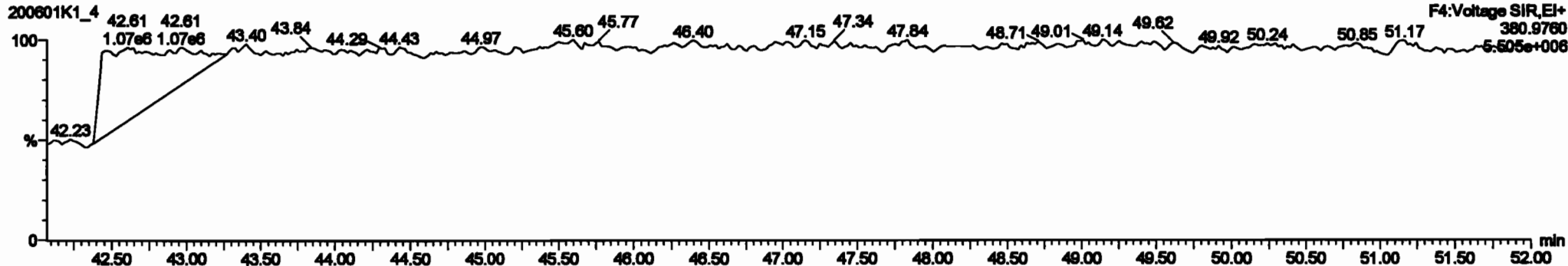
PCB-134/143



13C-PCB-153

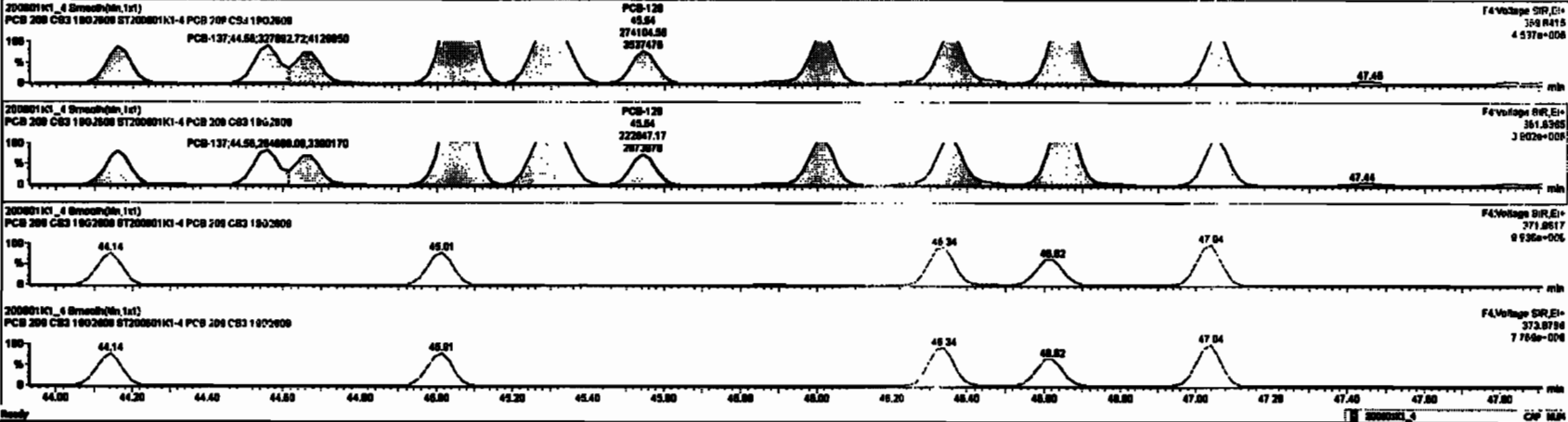


PFK4b



#	Material	Comp	RA	Qty	Unit	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced
224	Total Mono-PCBs			1.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
225	Total Di-PCBs			1.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
226	2nd Function Tri-PCBs			1.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
227	2nd Function Tetra-PCBs			0.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
228	Total Penta-PCBs			1.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
229	2nd Function Penta-PCBs			1.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
230	3rd Function Penta-PCBs			1.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
231	4th Function Penta-PCBs			1.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
232	Total Hexa-PCBs			1.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
233	1st Function Hexa-PCBs			1.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
234	2nd Function Hexa-PCBs			1.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
235	3rd Function Hexa-PCBs			1.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
236	4th Function Hexa-PCBs			1.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
237	5th Function Hexa-PCBs			1.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
238	6th Function Hexa-PCBs			1.000	1.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

#	Material	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced	Preced
111	PCB-126H43	43.28	43.28	6.800e6	4.800e6	1.200	1.20	NO	108.94	108.94								
112	PCB-126H28	43.89	43.87	6.800e6	4.800e6	1.200	1.20	NO	108.30	108.30								
113	PCB-142	43.74	43.74	2.800e6	2.100e6	1.200	1.20	NO	63.770	63.770								
114	PCB-148H88	43.89	43.87	7.200e6	4.800e6	1.200	1.20	NO	102.87	102.87								
115	PCB-152H81	43.22	43.21	7.200e6	6.800e6	1.200	1.20	NO	102.88	102.88								
116	PCB-153	43.68	43.68	3.800e6	3.100e6	1.200	1.20	NO	62.913	62.913								
117	PCB-168	43.82	43.81	3.810e6	3.070e6	1.200	1.20	NO	61.888	61.888								
118	PCB-141	44.58	44.58	3.000e6	2.400e6	1.200	1.20	NO	61.888	61.888								
119	PCB-137	44.88	44.88	3.070e6	2.500e6	1.200	1.20	NO	61.888	61.888								



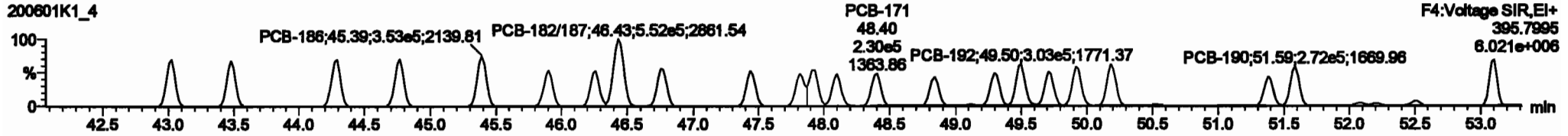
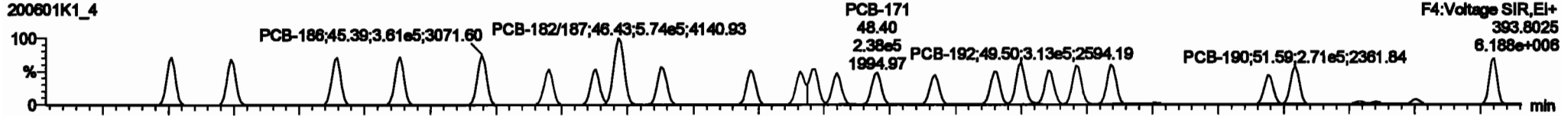


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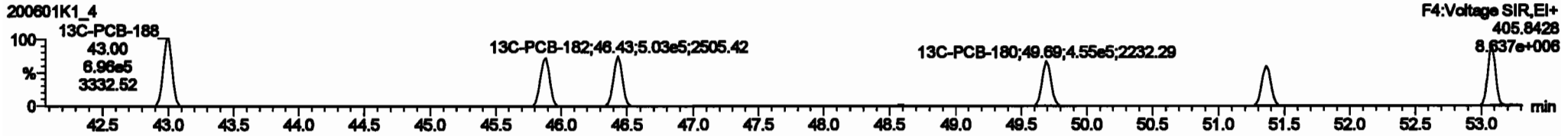
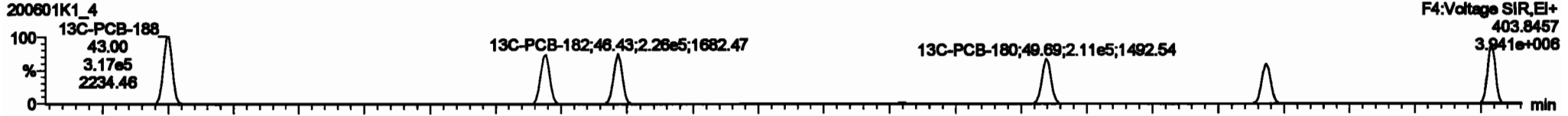
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

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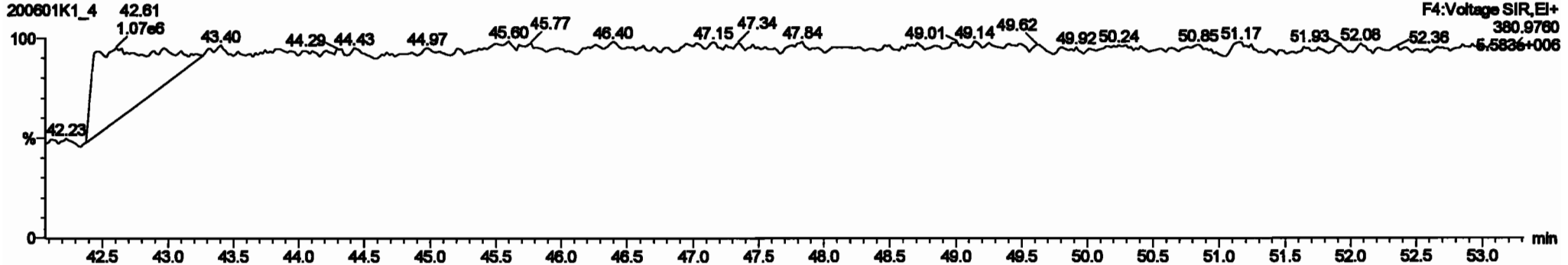
**PCB-188**



**13C-PCB-188**



**PFK4c**



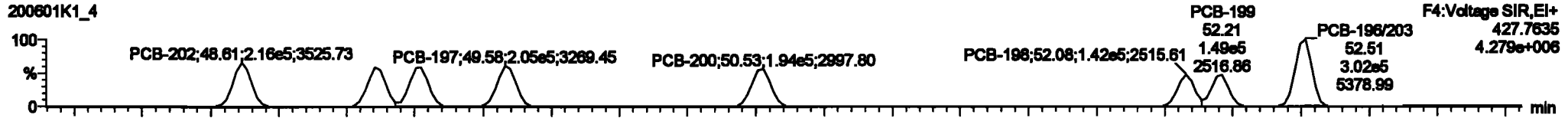
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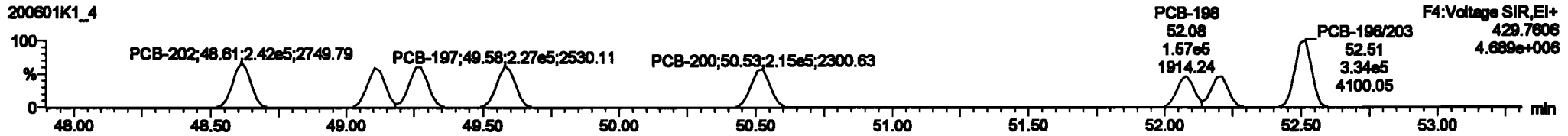
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PCB-202

200601K1\_4

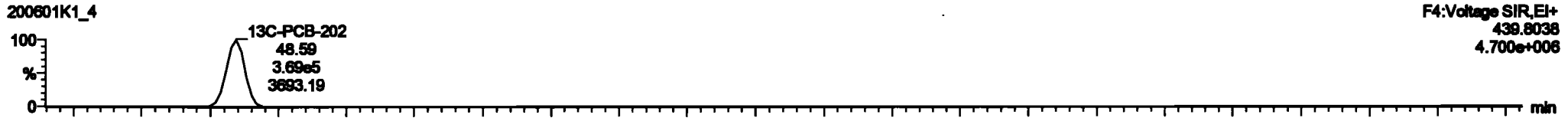


200601K1\_4

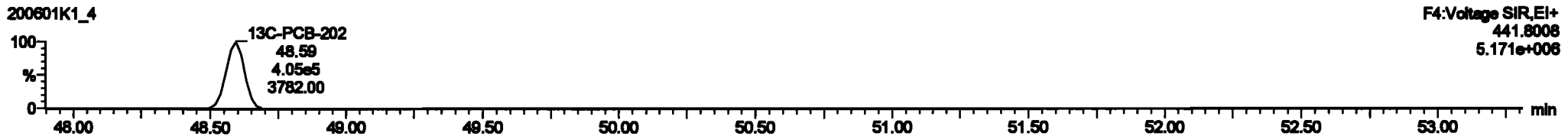


13C-PCB-202

200601K1\_4

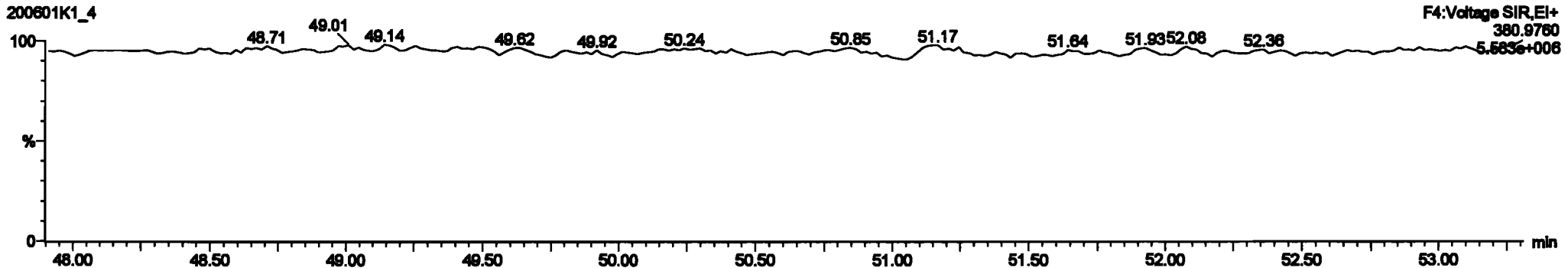


200601K1\_4



PFK4d

200601K1\_4



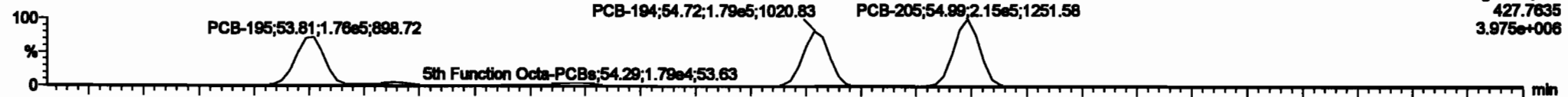
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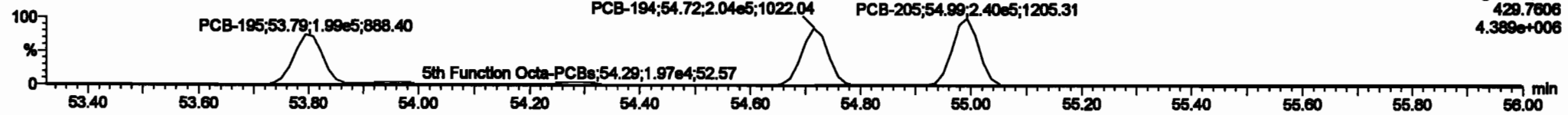
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**PCB-195**

200601K1\_4

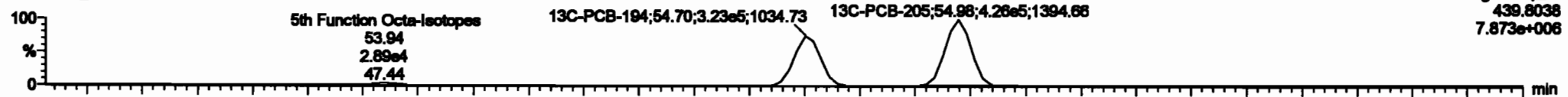


200601K1\_4

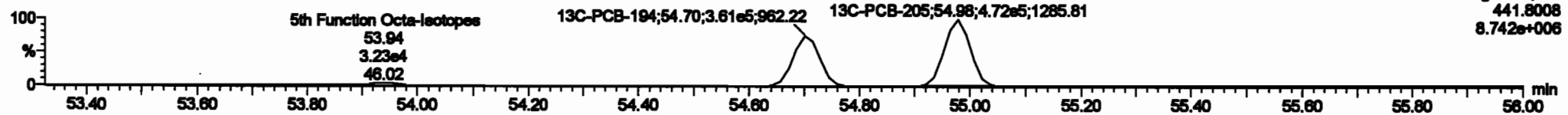


**13C-PCB-194**

200601K1\_4

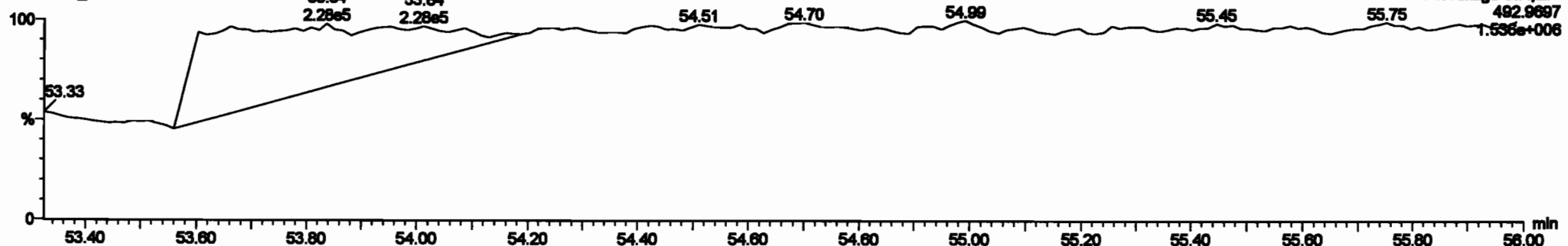


200601K1\_4



**PFK5a**

200601K1\_4



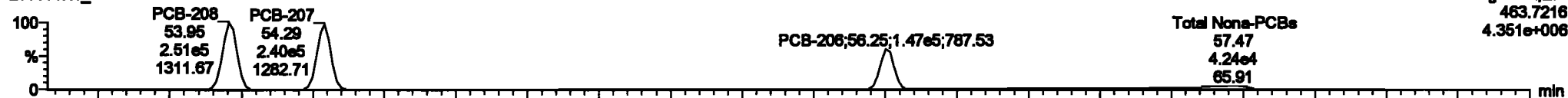
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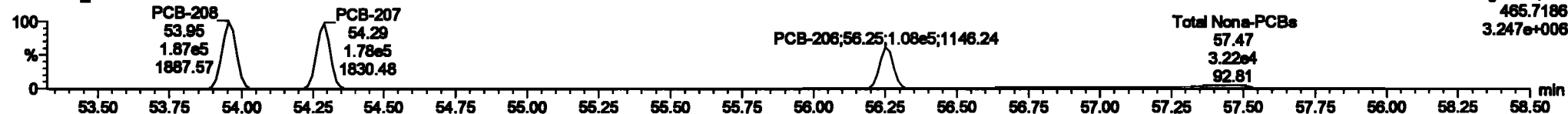
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**PCB-208**

200601K1\_4

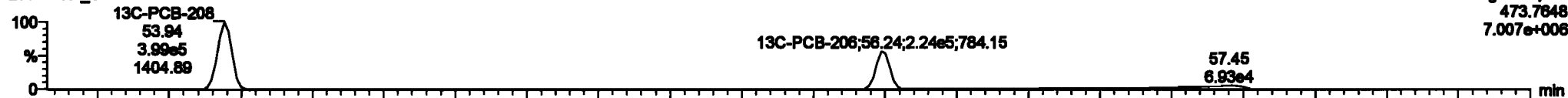


200601K1\_4

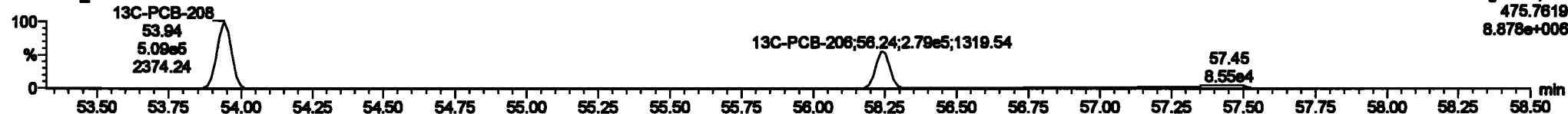


**13C-PCB-208**

200601K1\_4

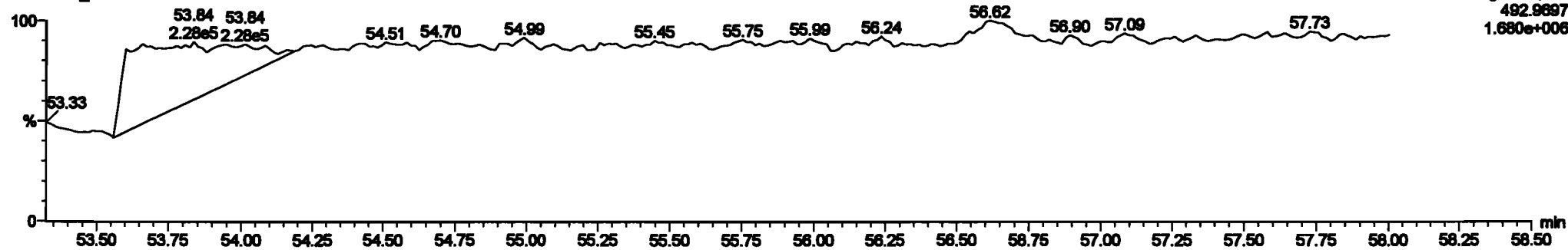


200601K1\_4



**PFK5**

200601K1\_4



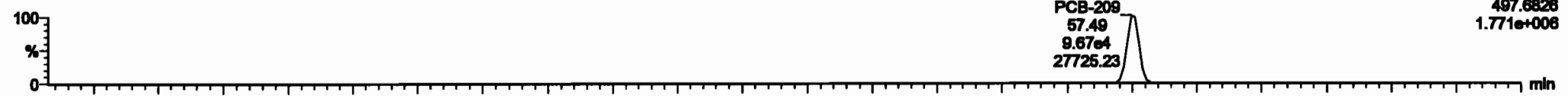
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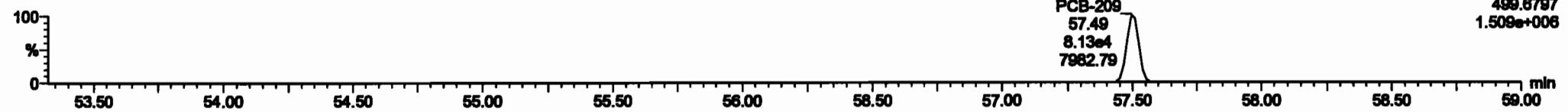
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**PCB-209**

200601K1\_4

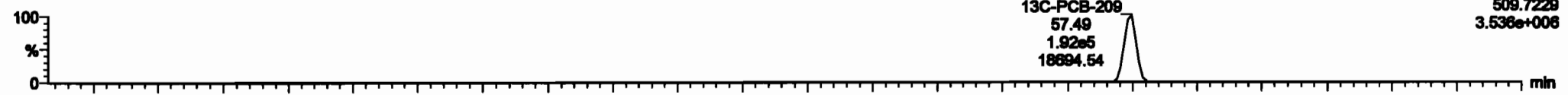


200601K1\_4

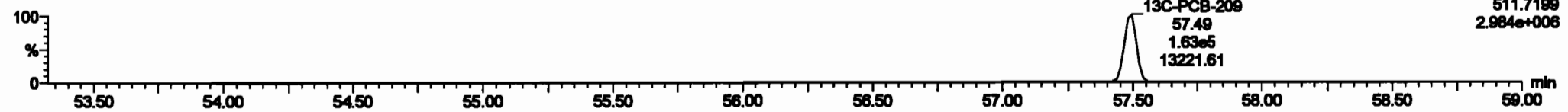


**13C-PCB-209**

200601K1\_4

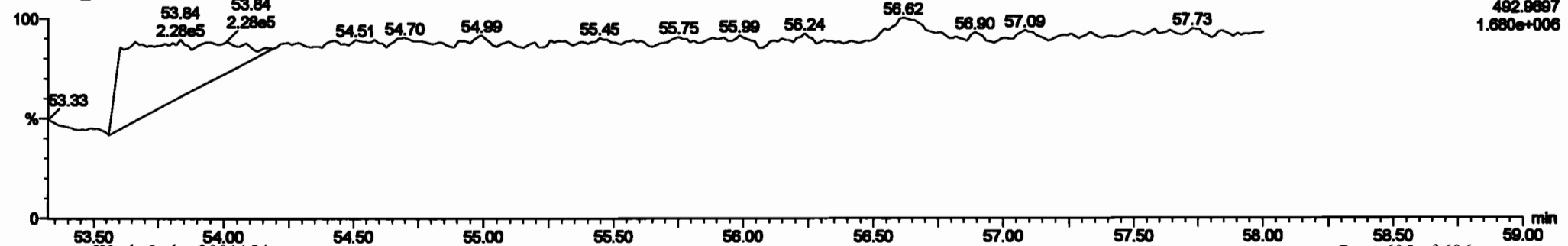


200601K1\_4



**PFK5b**

200601K1\_4



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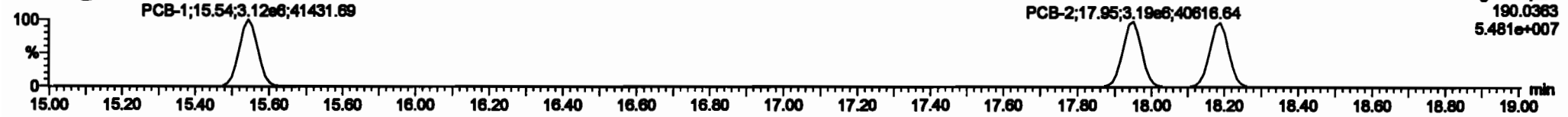
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PCB-1

200601K1\_5



200601K1\_5

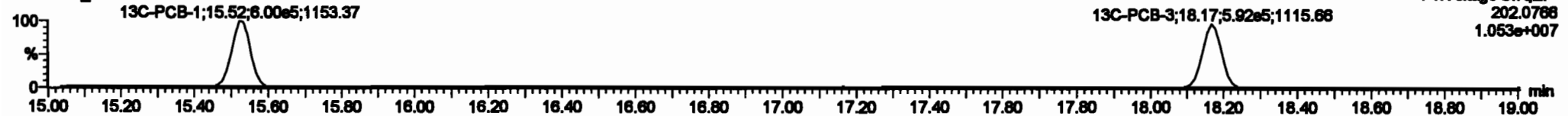


13C-PCB-1

200601K1\_5

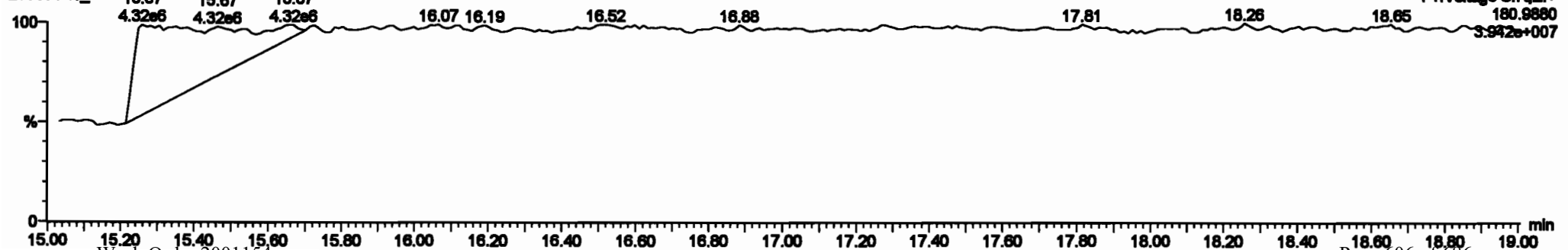


200601K1\_5



PFK1

200601K1\_5

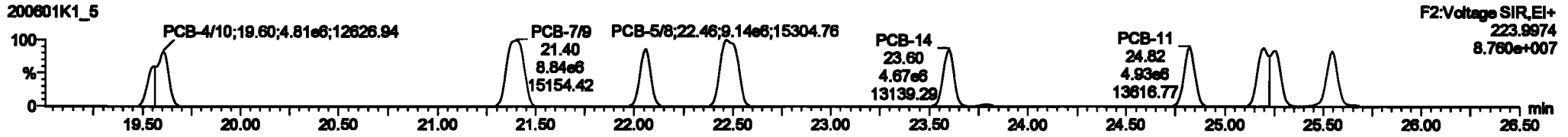
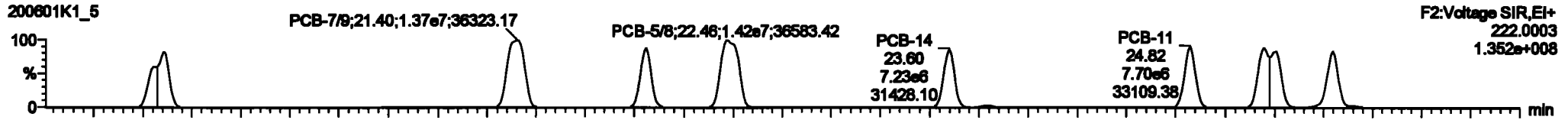


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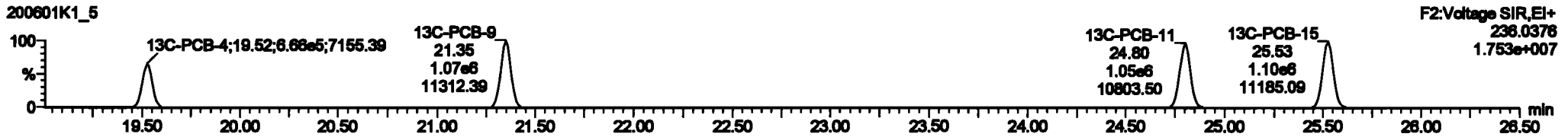
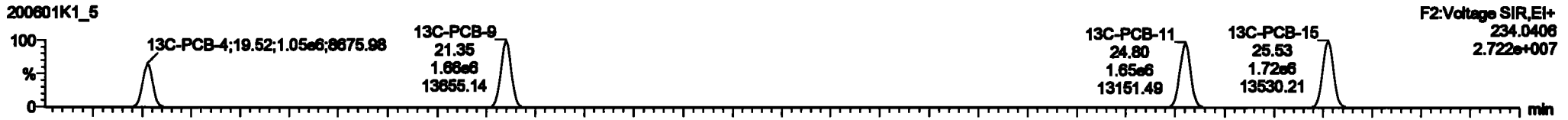
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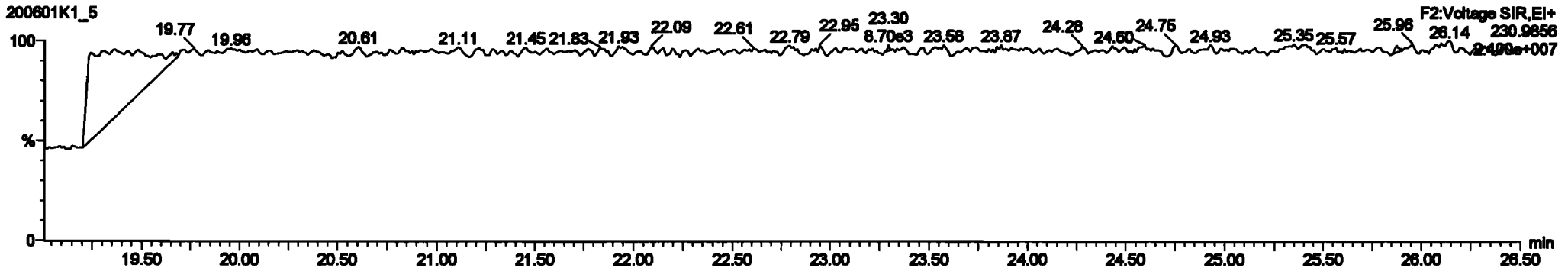
PCB-4/10

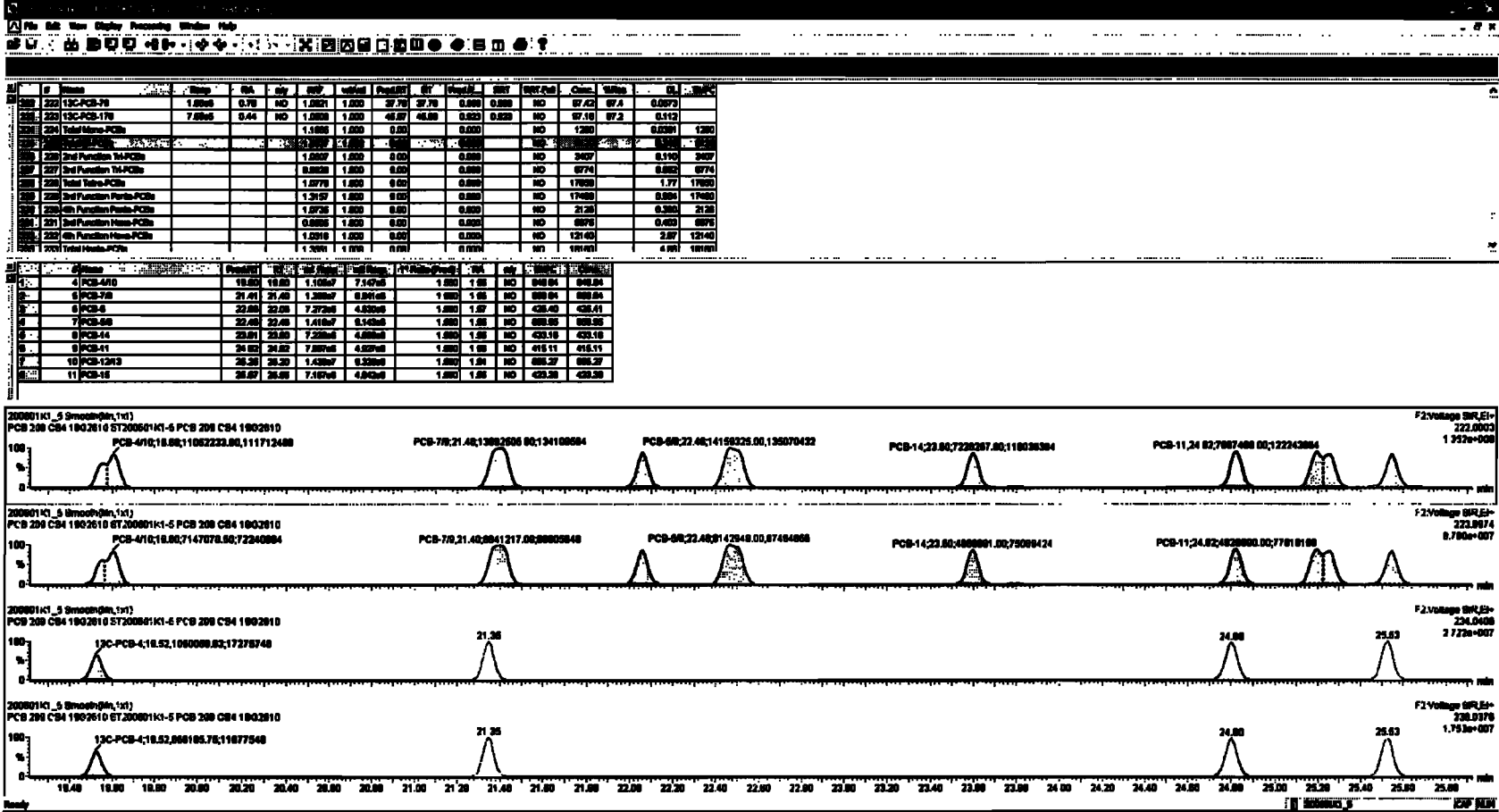


13C-PCB-4



PFK2a





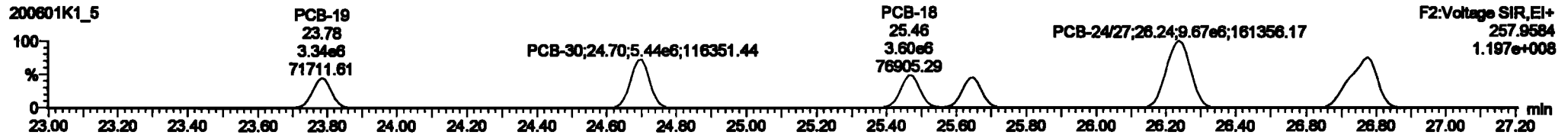


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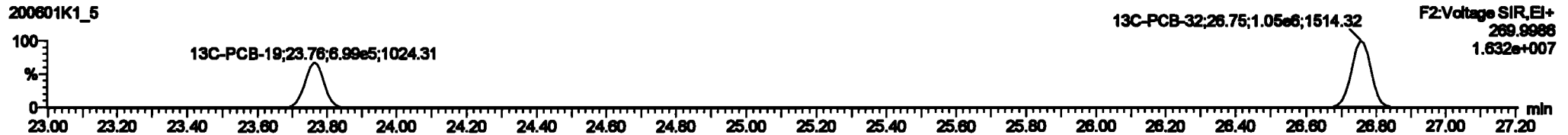
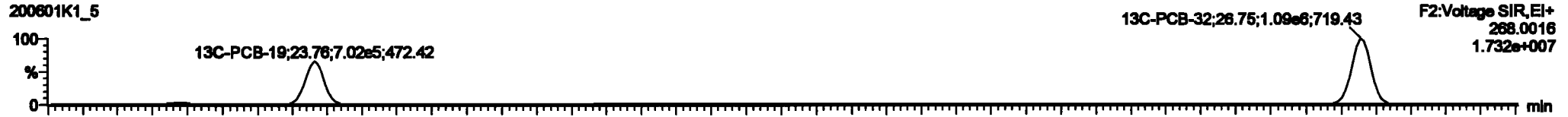
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

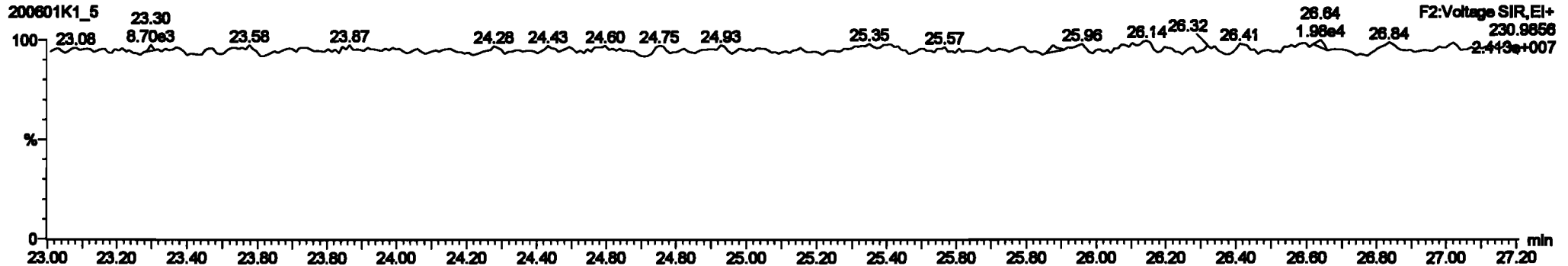
**PCB-19**



**13C-PCB-19**



**PFK2b**

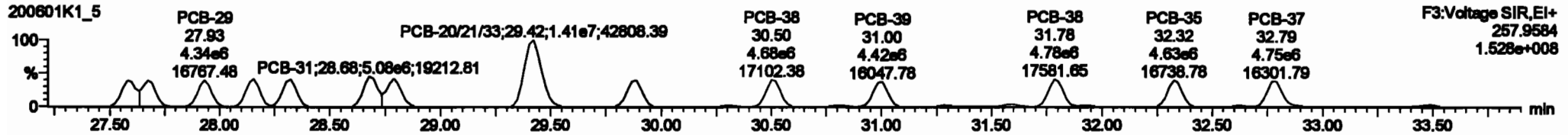
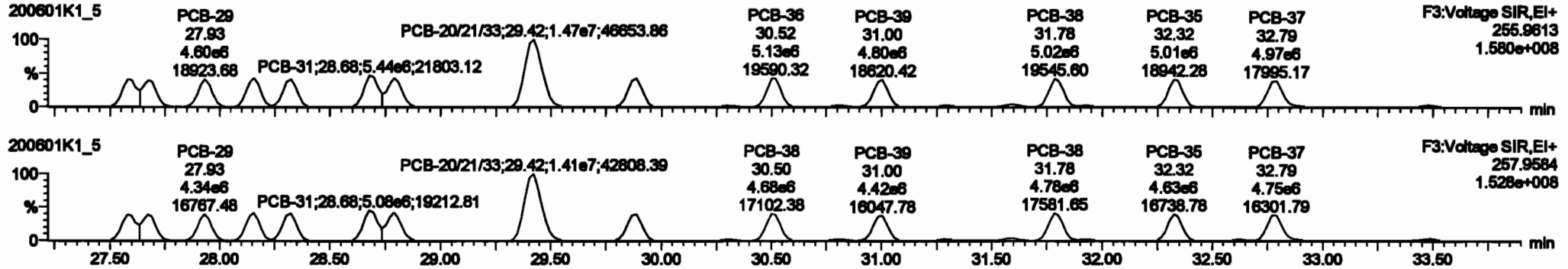


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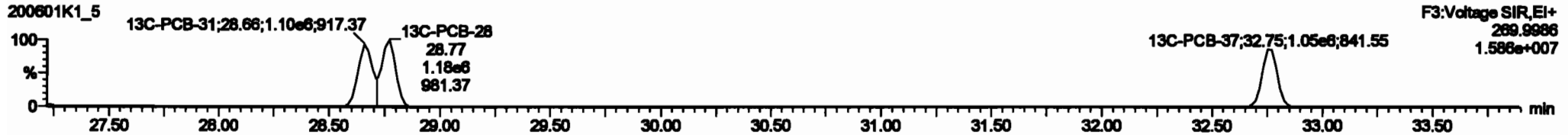
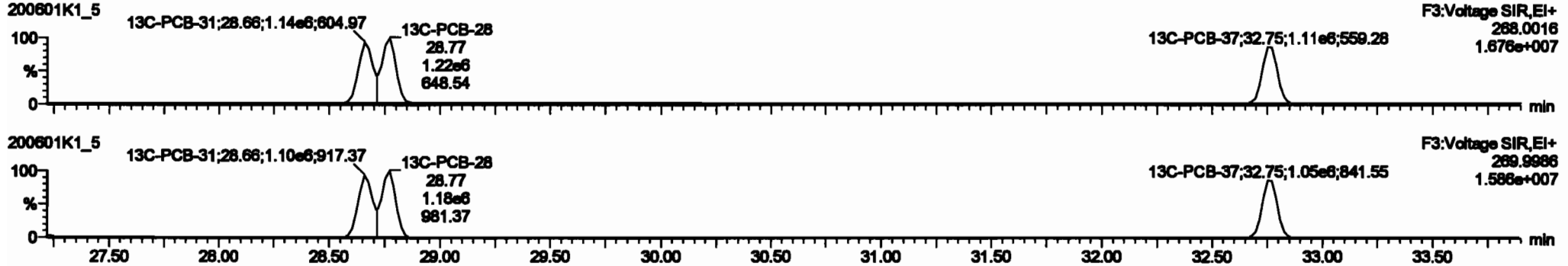
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Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

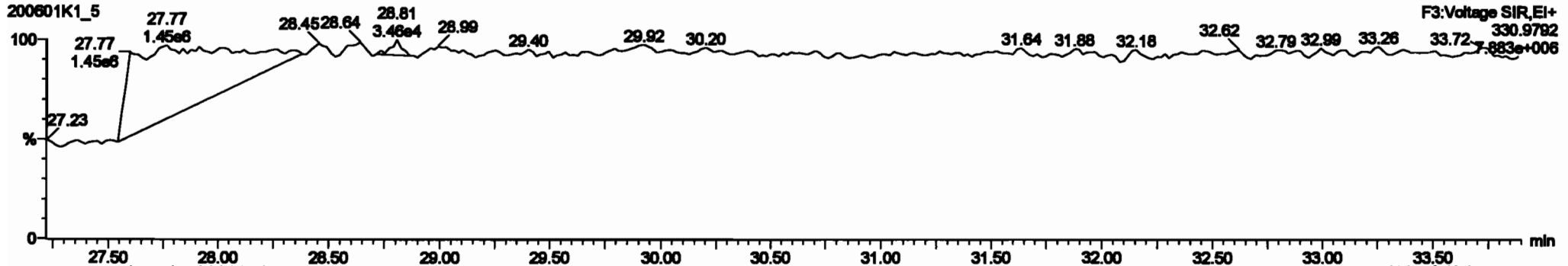
**PCB-34**



**13C-PCB-28**

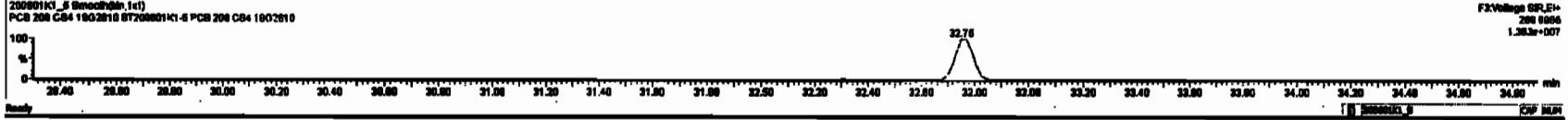
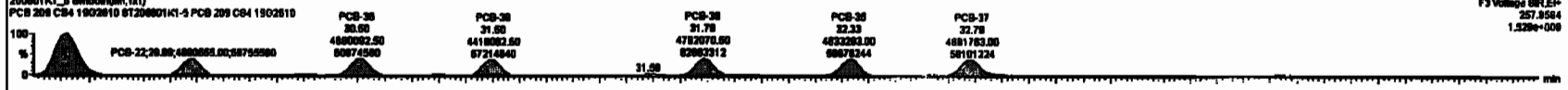
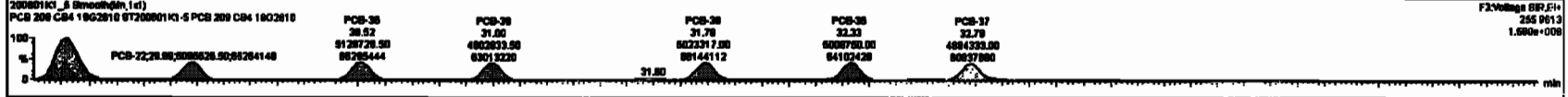


**PFK3d**



Peak	Name	Area	Height	Width	Retention	Response	Conc.	%Area	Height
220	13C-PCB-78	1.89e6	0.79	NO	1.0021	1.000	37.76	37.76	0.000
226	13C-PCB-178	7.89e6	0.61	NO	1.0000	1.000	48.87	48.88	0.000
224	Total Mono-PCBs				1.1095	1.000	0.00	0.000	NO
226	Total Di-PCBs				1.0027	1.000	0.00	0.000	NO
228	Total Tri-PCBs				1.0007	1.000	0.00	0.000	NO
228	Total Tetra-PCBs				1.0770	1.000	0.00	0.000	NO
228	2nd-Paraffin-PCBs				1.0167	1.000	0.00	0.000	NO
230	4th-Paraffin-PCBs				1.0736	1.000	0.00	0.000	NO
230	2nd-Paraffin-Homo-PCBs				0.9888	1.000	0.00	0.000	NO
232	4th-Paraffin-Homo-PCBs				1.0916	1.000	0.00	0.000	NO
230	Total Mono-PCBs				1.0000	1.000	0.00	0.000	NO

Peak	Name	Area	Height	Width	Retention	Response	Conc.	%Area	Height
28	PCB-28	27.89	27.89	4.639e6	4.639e6	1.000	1.00	NO	417.53
18	PCB-18	27.89	27.89	4.639e6	4.639e6	1.000	1.00	NO	418.77
20	PCB-20	27.89	27.89	4.639e6	4.639e6	1.000	1.00	NO	417.81
21	PCB-21	28.10	28.10	4.639e6	4.639e6	1.000	1.00	NO	423.78
22	PCB-22	28.31	28.32	4.799e6	4.819e6	1.000	1.04	NO	412.77
23	PCB-23	28.80	28.80	5.079e6	5.079e6	1.000	1.00	NO	423.07
24	PCB-24	28.79	28.79	5.099e6	5.099e6	1.000	1.00	NO	423.80
26	PCB-20(2)	28.43	28.43	1.472e7	1.487e7	1.000	1.00	NO	1276.0
28	PCB-28	28.87	28.88	5.099e6	4.891e6	1.000	1.00	NO	418.36

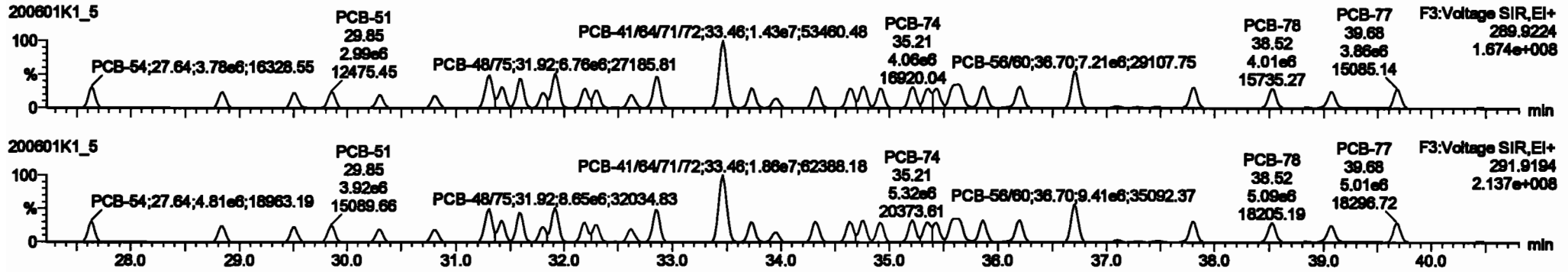


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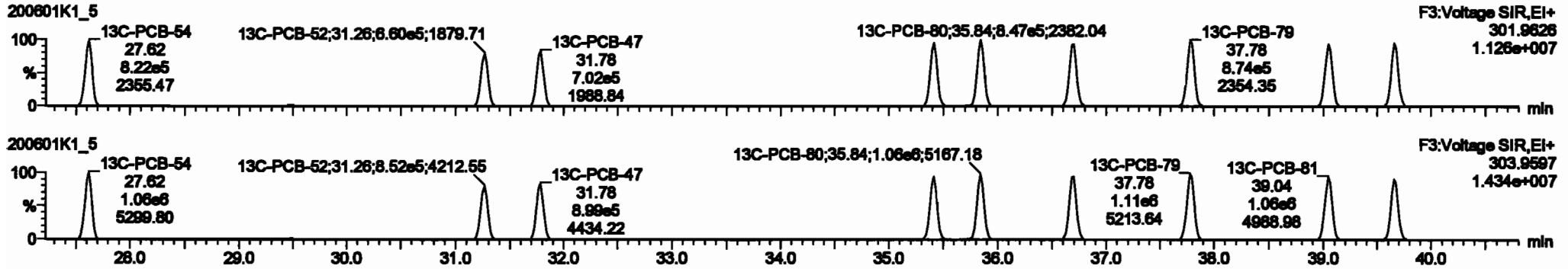
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Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

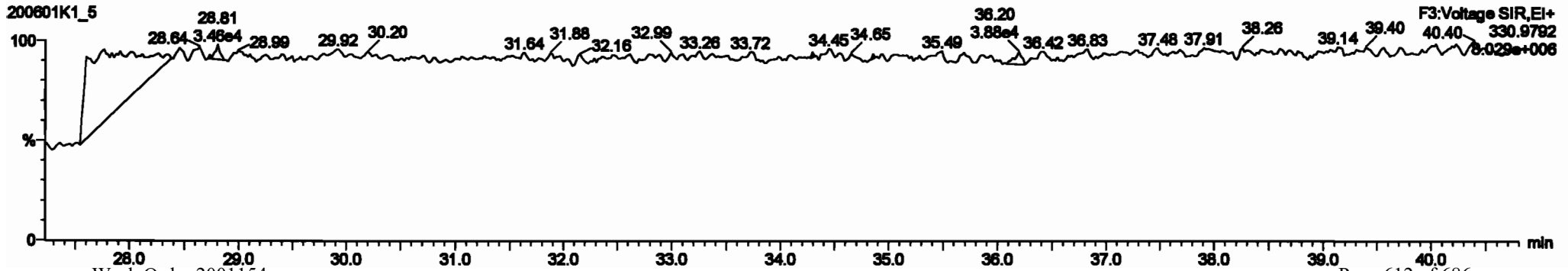
**PCB-54**



**13C-PCB-54**



**PFK3a**



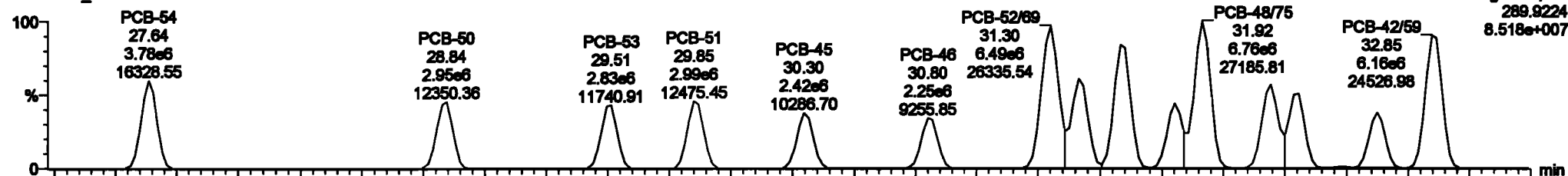
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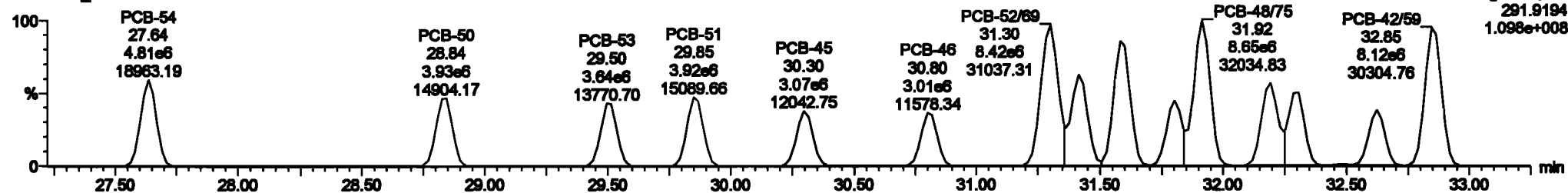
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PCB-50

200601K1\_5



200601K1\_5

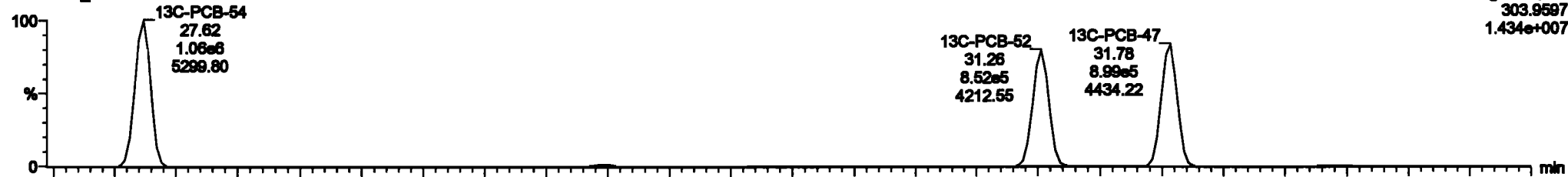


13C-PCB-52

200601K1\_5



200601K1\_5

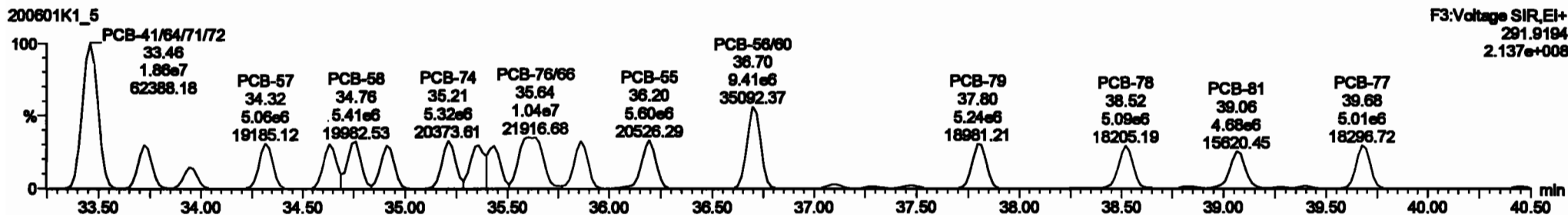
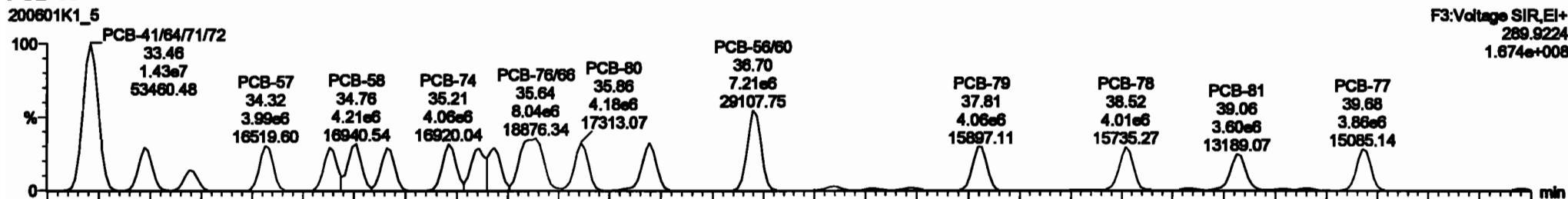


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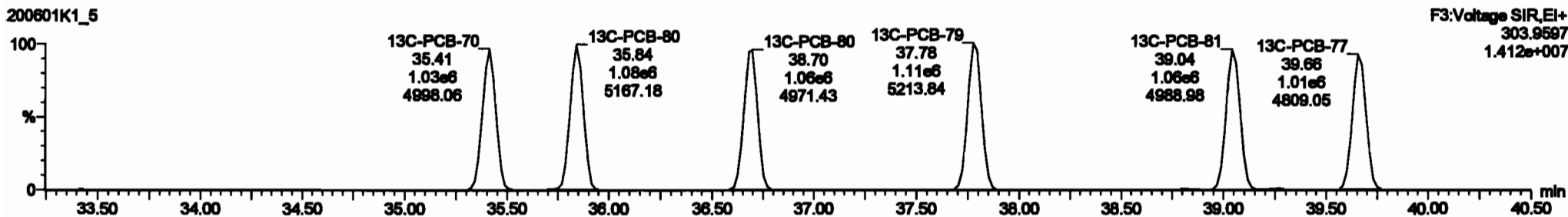
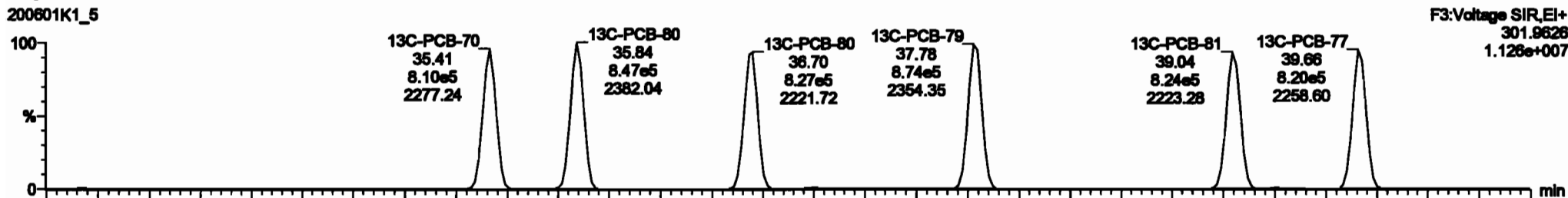
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Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

PCB-68

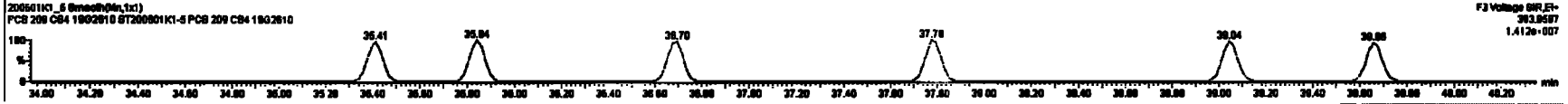
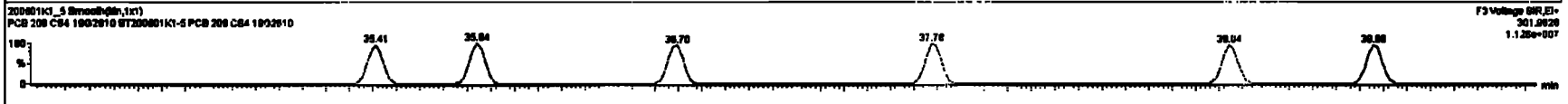
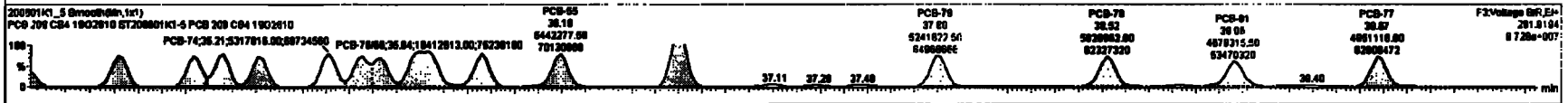
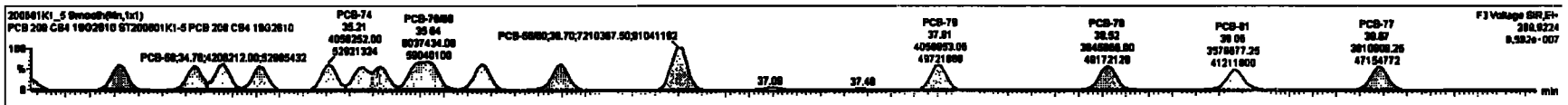


13C-PCB-60



#	Name	Range	Unit	Min	Max	Peak	Area	Height	Width	Skew	Offset	Area	Height	Width	Skew	Offset
222	13C-PCB-78	1.98e6	0.78	ND	1.0221	1.020	37.78	0.000	0.000	ND	87.42	87.4	0.0073			
223	13C-PCB-178	7.85e6	0.44	ND	1.0000	1.000	46.87	0.000	0.000	ND	87.18	87.2	0.112			
224	Total Mono-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	1280	0.0081	1280			
225	Total BI-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	9120	0.248	9120			
226	2nd Function BI-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	3487	0.110	3487			
227	2nd Function BI-PCBs				0.0000	1.000	0.00	0.000	0.000	ND	8774	0.882	8774			
228	3rd Function Mono-PCBs				3.0000	1.000	0.00	0.000	0.000	ND	3100	1.271	3100			
229	3rd Function Mono-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	17480	0.804	17480			
230	4th Function Mono-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	2128	0.280	2128			
231	3rd Function Mono-PCBs				0.0000	1.000	0.00	0.000	0.000	ND	8976	0.403	8976			
232	4th Function Mono-PCBs				1.0000	1.000	0.00	0.000	0.000	ND	12140	2.87	12140			
233	Total Mono-PCBs				1.0001	1.000	0.00	0.000	0.000	ND	4901	0.001	4901			

#	Name	Peak#	RT	RT Range	RT Range	1st Peak (Peak)	Area	Height	Area%	Area	Area
1	PCB-84	27.84	27.84	3.78e5	4.912e5	0.770	0.78	ND	422.48	422.48	
2	PCB-81	28.80	28.84	2.88e5	3.87e5	0.770	0.78	ND	415.31	415.30	
3	PCB-83	28.80	28.81	2.88e5	3.87e5	0.770	0.78	ND	428.24	428.24	
4	PCB-81	28.80	28.85	2.88e5	3.87e5	0.770	0.78	ND	428.80	428.80	
5	PCB-85	30.30	30.30	2.01e5	3.87e5	0.770	0.78	ND	433.10	433.10	
6	PCB-85	30.80	30.80	2.24e5	3.81e5	0.770	0.78	ND	418.07	418.07	
7	PCB-83B	31.30	31.30	8.46e5	8.46e5	0.770	0.77	ND	846.12	846.12	
8	PCB-73	31.41	31.41	4.00e5	8.39e5	0.770	0.77	ND	431.83	431.83	
9	PCB-83B	31.50	31.50	9.57e5	7.22e5	0.770	0.77	ND	835.18	835.18	

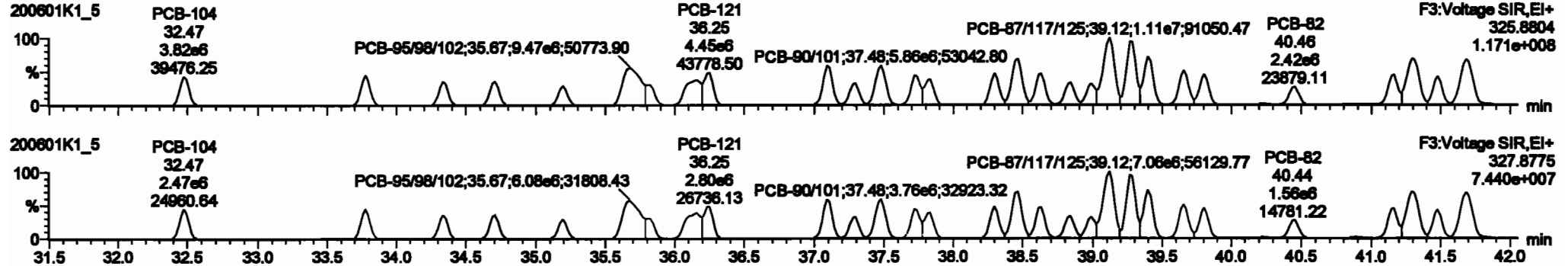


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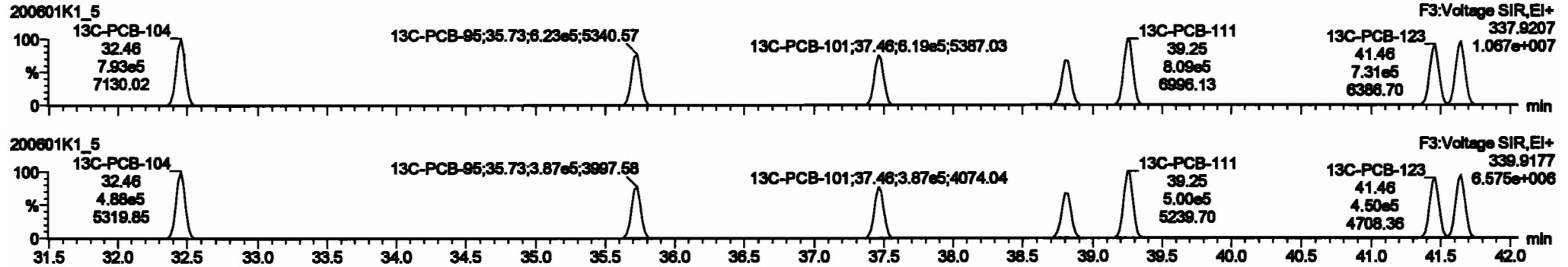
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

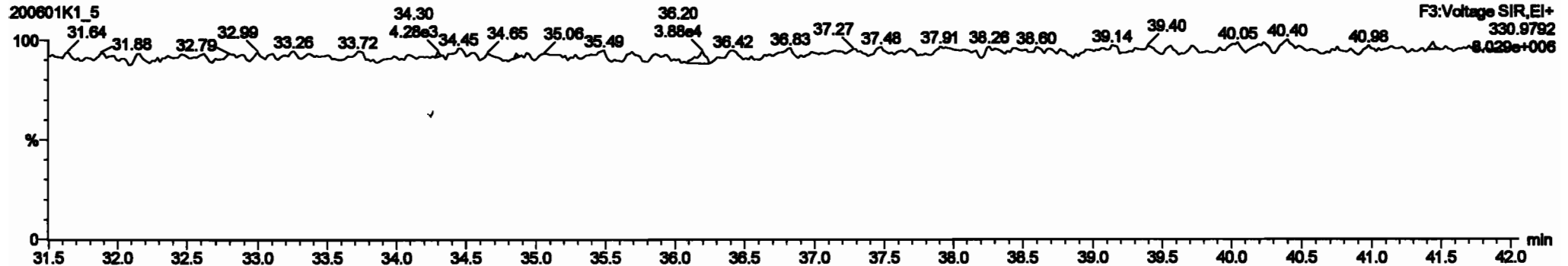
**PCB-104**



**13C-PCB-104**



**PFK3b**



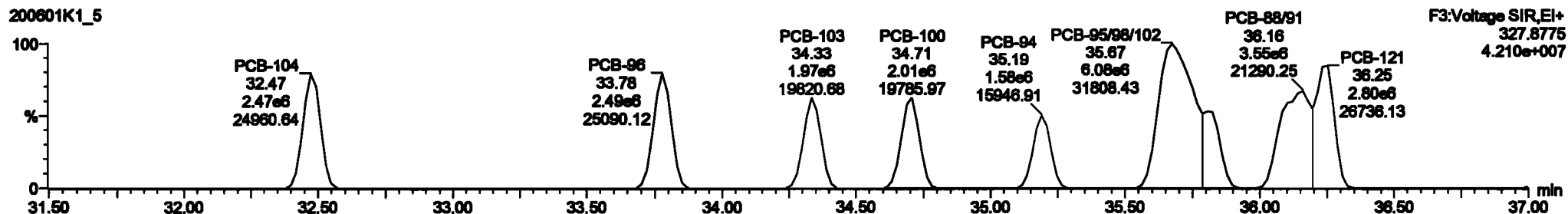
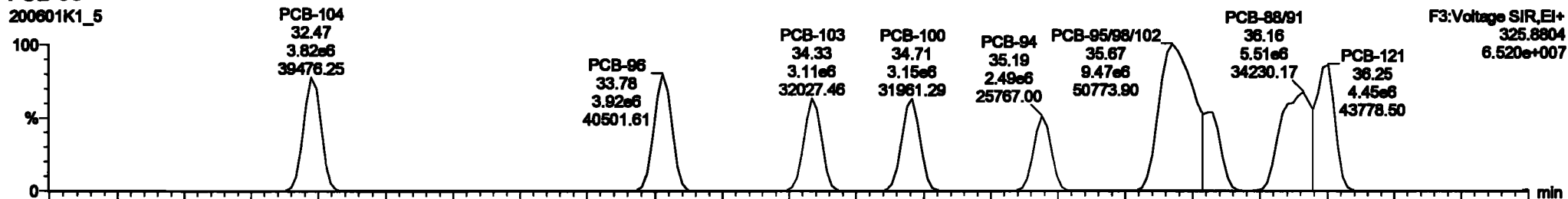


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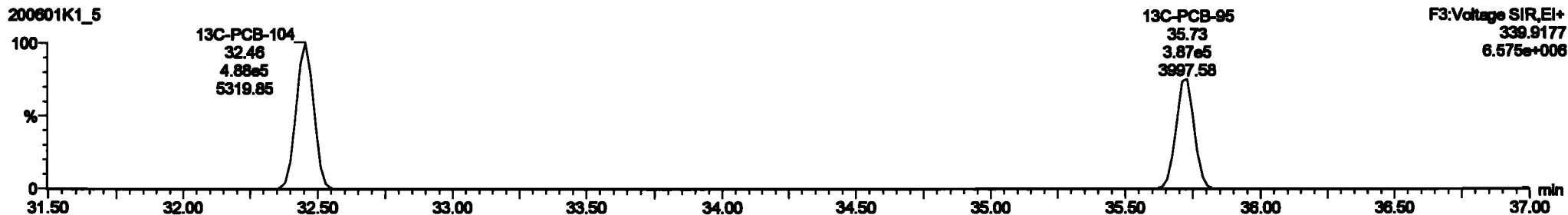
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Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

**PCB-96**



**13C-PCB-95**



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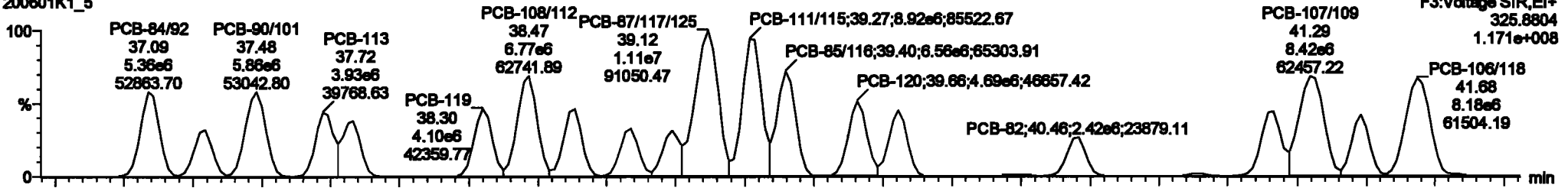
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

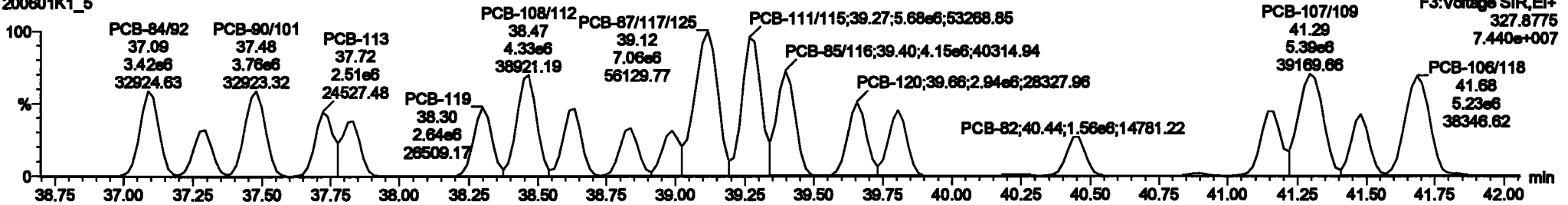
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PCB-119

200601K1\_5

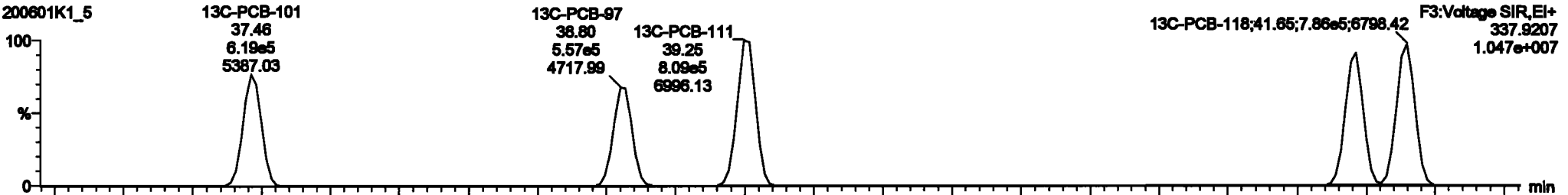


200601K1\_5

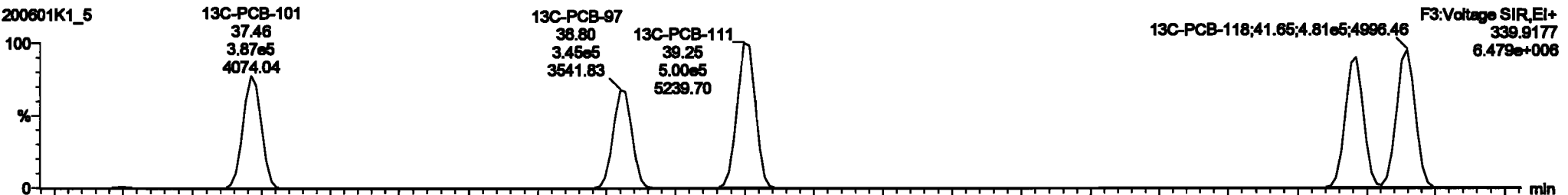


13C-PCB-111

200601K1\_5

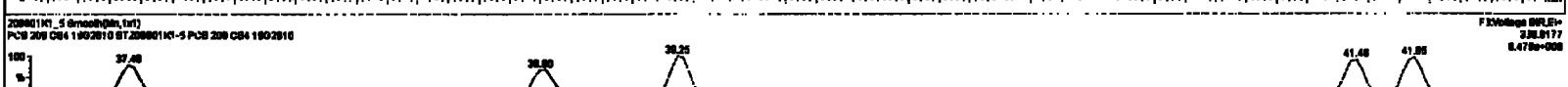
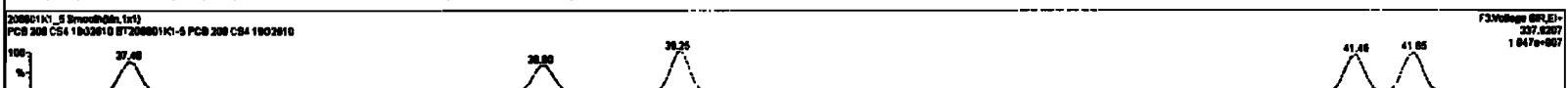
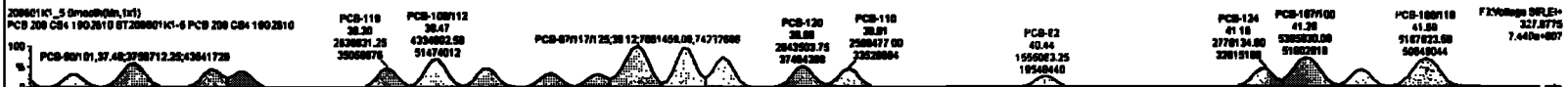
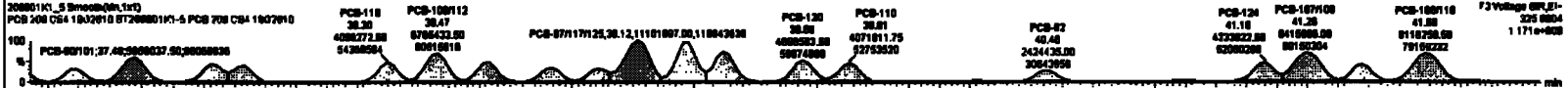


200601K1\_5



ID	Name	Area	Height	Width	Cent	Skew	Kurt	SNR	Q1	Q3	Min	Max
220	15C-PCB-70	1.80e6	0.70	8.0	1.00e1	1.00e0	0.00e0	ND	87.42	87.4	87.2	87.6
221	15C-PCB-470	7.00e5	0.61	ND	1.00e1	1.00e0	0.00e0	ND	87.10	87.2	87.0	87.2
224	Test Mass-PCBs	1.00e6	1.00	0.00	1.00e1	1.00e0	0.00e0	ND	1200	0.00e1	1200	1200
226	Test DA-PCBs	1.00e7	1.00	0.00	1.00e1	1.00e0	0.00e0	ND	50.00	0.30e1	50.00	50.00
228	Test Punctuation TA-PCBs	1.00e7	1.00	0.00	1.00e1	1.00e0	0.00e0	ND	3007	0.11e1	3007	3007
229	Test Punctuation TA-PCBs	0.00e0	1.00	0.00	1.00e1	1.00e0	0.00e0	ND	6774	0.00e1	6774	6774
230	Test Tolu-PCBs	1.07e6	1.00	0.00	1.00e1	1.00e0	0.00e0	ND	17000	1.77	17000	17000
231	Test Punctuation Punct-PCBs	1.07e6	1.00	0.00	1.00e1	1.00e0	0.00e0	ND	21.00	0.30e1	21.00	21.00
232	Test Punctuation Punct-PCBs	0.00e0	1.00	0.00	1.00e1	1.00e0	0.00e0	ND	6976	0.00e1	6976	6976
233	Test Punctuation Punct-PCBs	1.07e6	1.00	0.00	1.00e1	1.00e0	0.00e0	ND	121.00	2.07	121.00	121.00
234	Test Tolu-PCBs	1.00e6	1.00	0.00	1.00e1	1.00e0	0.00e0	ND	9700	4.00	9700	9700

ID	Name	Area	Height	Width	Cent	Skew	Kurt	SNR	Q1	Q3	Min	Max
60	PCB-110	30.47	32.07	2.00e0	2.00e0	1.00e0	1.00e0	ND	32.07	32.07	31.87	32.27
61	PCB-110	30.70	30.70	2.00e0	2.00e0	1.00e0	1.00e0	ND	30.70	30.70	30.50	30.90
62	PCB-110	31.20	31.20	3.00e0	3.00e0	1.00e0	1.00e0	ND	31.20	31.20	31.00	31.40
63	PCB-110	31.00	31.71	3.00e0	2.00e0	1.00e0	1.00e0	ND	32.07	32.07	31.87	32.27
64	PCB-110	30.31	30.10	2.00e0	1.00e0	1.00e0	1.00e0	ND	30.10	30.10	29.90	30.30
65	PCB-110	30.00	30.07	0.00e0	0.00e0	1.00e0	1.00e0	ND	1277.0	1277.0	1277.0	1277.0
66	PCB-110	30.01	30.02	2.00e0	1.00e0	1.00e0	1.00e0	ND	0.00	0.00	0.00	0.00
67	PCB-110	30.10	30.10	0.00e0	0.00e0	1.00e0	1.00e0	ND	0.00	0.00	0.00	0.00
68	PCB-110	30.20	30.20	4.00e0	2.00e0	1.00e0	1.00e0	ND	0.00	0.00	0.00	0.00

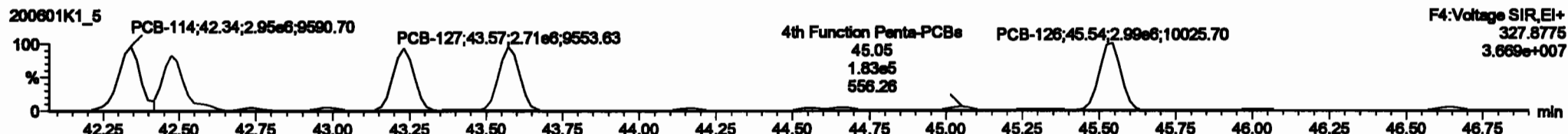
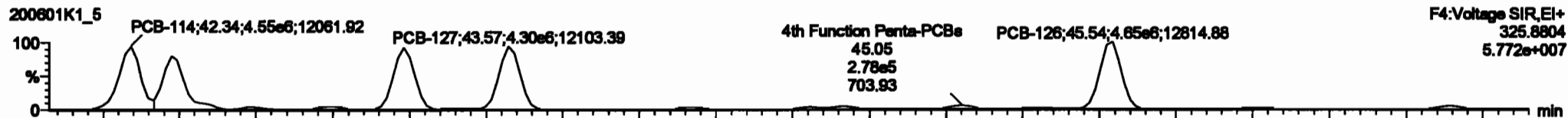


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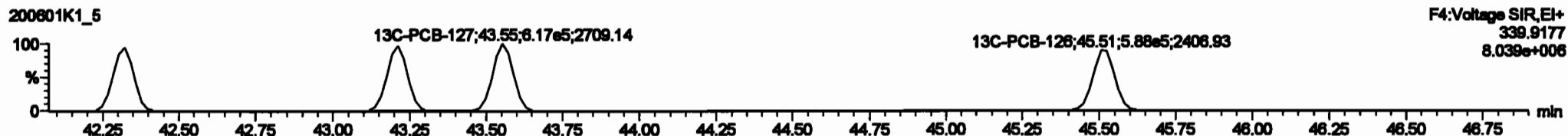
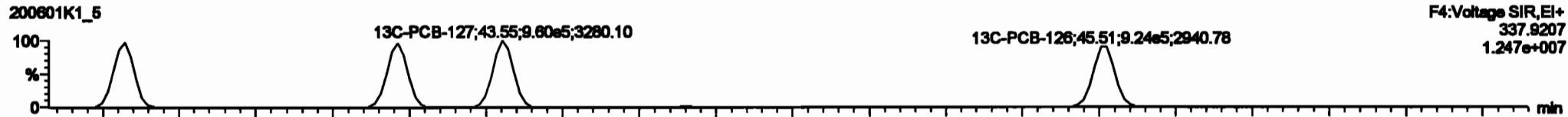
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_5, Date: 01-Jun-2020, Time: 16:20:32, ID: ST200601K1-5 PCB 209 CS4 19G2610, Description: PCB 209 CS4 19G2610

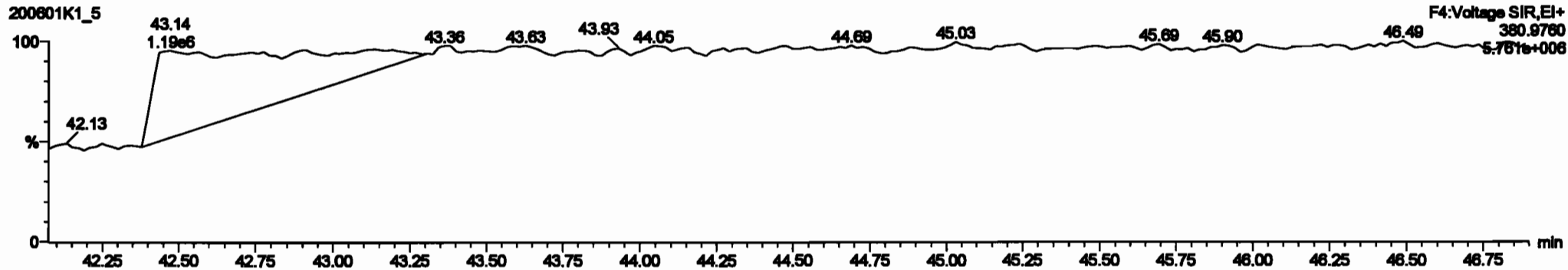
**PCB-114**



**13C-PCB-114**

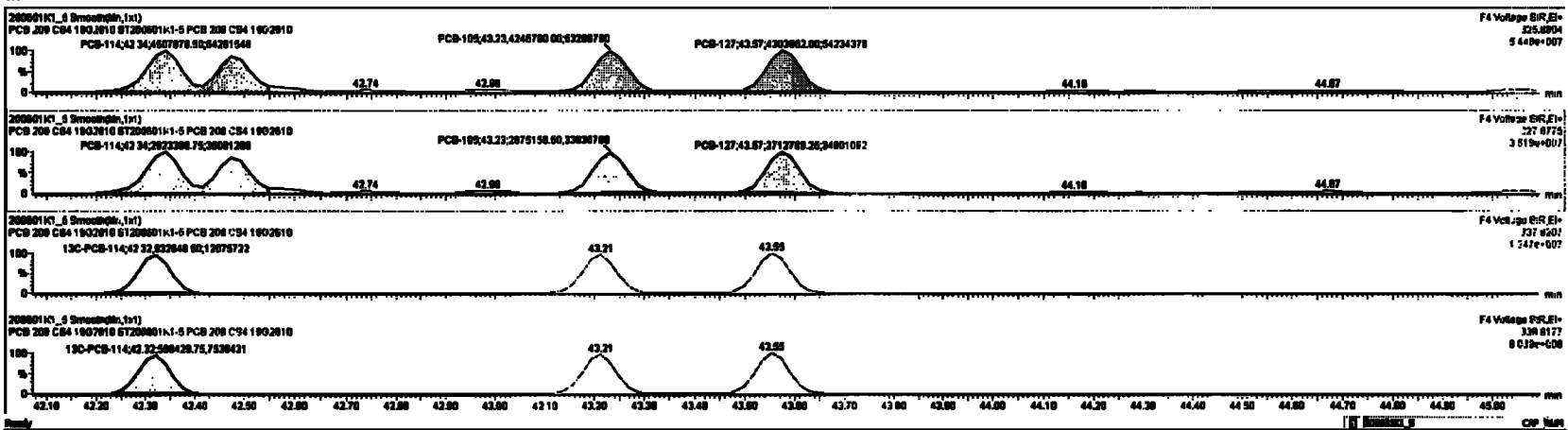


**PFK4a**



PCB	Comp	Range	RA	QV	WT	WtdWt	Result	RF	Phase	QV	QV Pct	Comp	Style	SL	SRPC
220	13C-PCB-70	1.80ms	0.70	NO	1.80ms	1.80ms	37.70	37.70	0.800	0.800	NO	37.70	37.70	0.007	
220	13C-PCB-170	7.80ms	0.44	NO	1.80ms	1.80ms	46.97	46.98	0.800	0.800	NO	46.98	46.97	0.113	
220	2nd Pulse-PCBs				1.80ms	1.80ms	0.00	0.00	0.800	0.800	NO	1.80	1.80	0.001	1.80
220	2nd P-PCBs				1.80ms	1.80ms	0.00	0.00	0.800	0.800	NO	1.80	1.80	0.000	1.80
220	2nd Parallel 3A-PCBs				1.80ms	1.80ms	0.00	0.00	0.800	0.800	NO	3A07	3A07	0.110	3A07
220	2nd Parallel 3A-PCBs				0.80ms	1.80ms	0.00	0.00	0.800	0.800	NO	3A74	3A74	0.002	3A74
220	2nd Parallel 3A-PCBs				1.80ms	1.80ms	0.00	0.00	0.800	0.800	NO	1700	1700	1.77	1700
220	2nd Parallel Parallel-PCBs				1.31ms	1.80ms	0.00	0.00	0.800	0.800	NO	1740	1740	0.004	1740
220	2nd Parallel Parallel-PCBs				1.80ms	1.80ms	0.00	0.00	0.800	0.800	NO	3000	3000	0.000	3000
220	2nd Parallel Parallel-PCBs				0.80ms	1.80ms	0.00	0.00	0.800	0.800	NO	3074	3074	0.000	3074
220	2nd Parallel Parallel-PCBs				1.80ms	1.80ms	0.00	0.00	0.800	0.800	NO	12148	12148	2.87	12148
220	2nd Parallel Parallel-PCBs				1.80ms	1.80ms	0.00	0.00	0.800	0.800	NO	18000	18000	4.04	18000

PCB	Range	Result	RF	WT	WtdWt	RF Pct	RA	QV	SRPC	Comp
80	PCB-114	42.34	42.34	4.80ms	3.80ms	1.80	1.84	NO	420.12	420.12
80	PCB-122	42.60	42.67	3.80ms	2.80ms	1.80	1.86	NO	418.27	418.27
80	PCB-105	42.29	42.23	4.20ms	2.60ms	1.80	1.88	NO	420.88	420.88
80	PCB-127	42.87	42.87	4.20ms	2.71ms	1.80	1.89	NO	420.18	420.18
80	PCB-128	42.87	42.84	4.80ms	2.80ms	1.80	1.89	NO	420.89	420.89



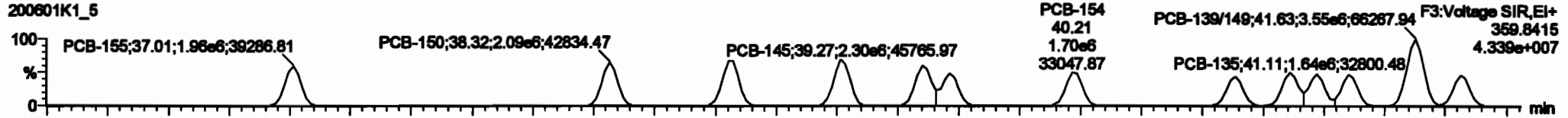
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

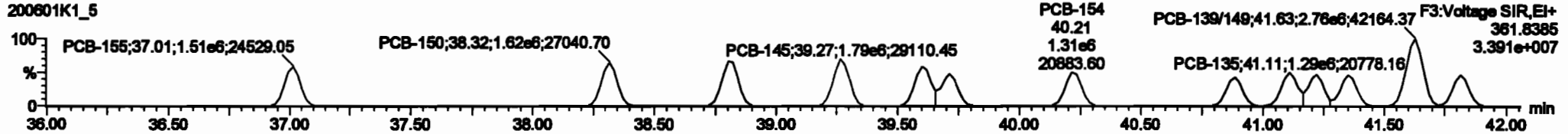
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**PCB-155**

200601K1\_5

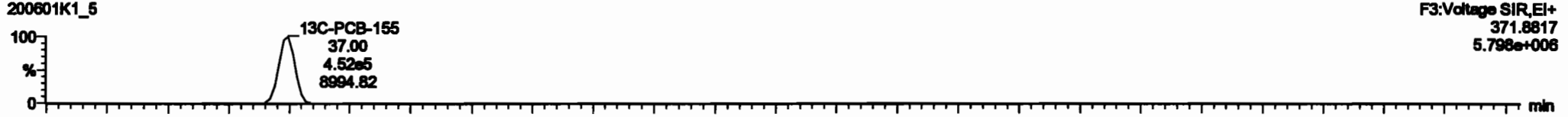


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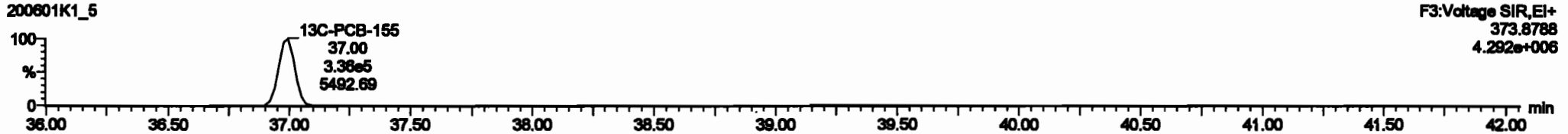


**13C-PCB-155**

200601K1\_5

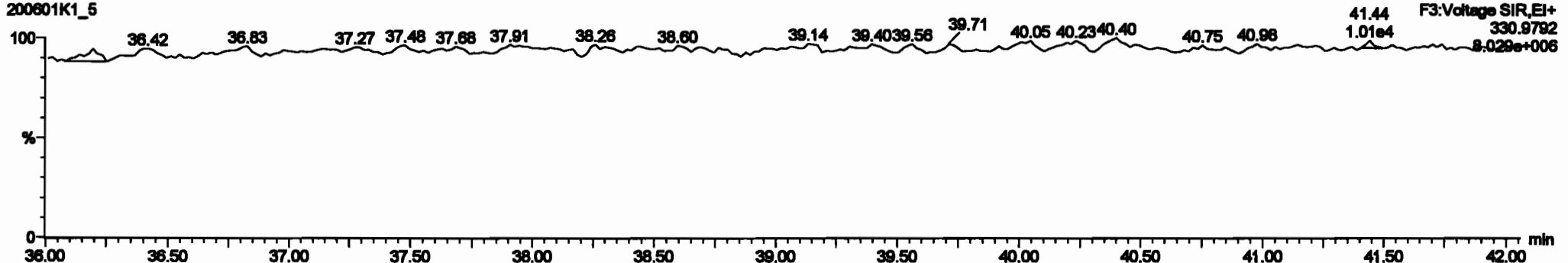


200601K1\_5



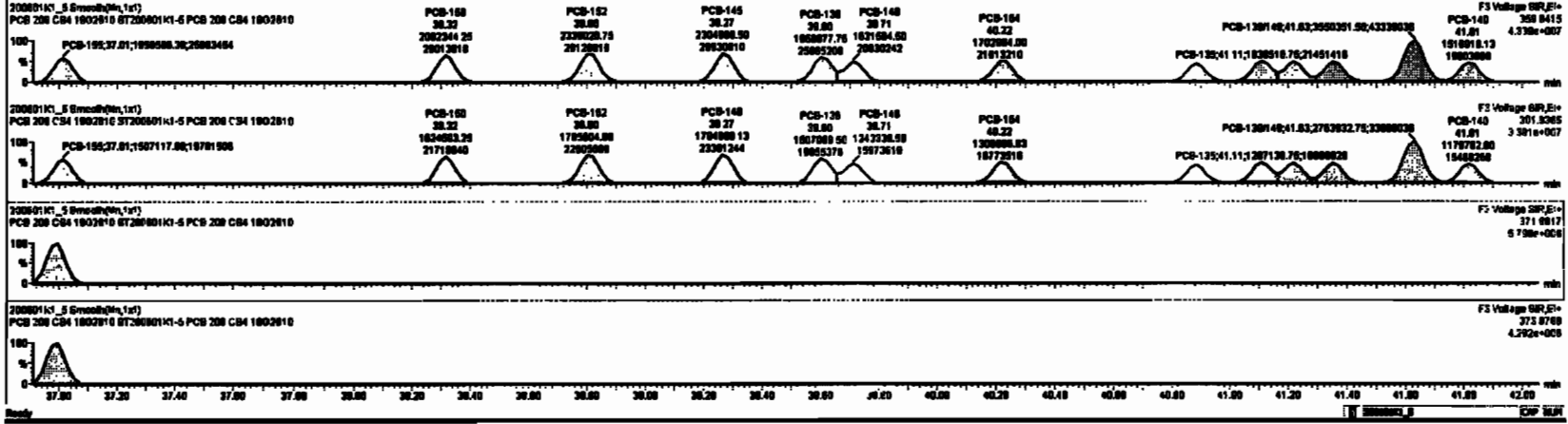
**PFK3c**

200601K1\_5



ID	Step	Step	RM	RM	OPF	Calcd	Revised	IE	Pres.R.	Unit	RMF Pts	Chgs	Unit	EA	RMPC
222	12C-PCB-19	1.80e6	0.78	NO	1.0001	1.000	37.78	37.78	0.000	0.000	NO	87.43	87.4	0.0073	
223	12C-PCB-17B	7.80e6	0.64	NO	1.0000	1.000	48.87	48.88	0.023	0.023	NO	87.18	87.2	0.112	
224	Total Micro-PCBs				1.0000	1.000	0.00	0.000			NO	1200		0.0201	1200
225	Total S-PCBs				1.0027	1.000	0.00	0.000			NO	8130		0.240	8130
226	2nd Paraffin 10-PCBs				1.0007	1.000	0.00	0.000			NO	3407		0.110	3407
227	2nd Paraffin 16-PCBs				0.8628	1.000	0.00	0.000			NO	8774		0.083	8774
228	Total Tolu-PCBs				1.0776	1.000	0.00	0.000			NO	17800		1.37	17800
229	2nd Paraffin Penta-PCBs				1.2187	1.000	0.00	0.000			NO	17000		0.804	17000
230	4th Paraffin Penta-PCBs				1.0735	1.000	0.00	0.000			NO	2128		0.200	2128
231	Total Paraffin Hexa-PCBs				1.0000	1.000	0.00	0.000			NO	8774		0.083	8774
232	4th Paraffin Hexa-PCBs				1.0719	1.000	0.00	0.000			NO	12140		2.07	12140
233	Total Hexa-PCBs				1.2009	1.000	0.00	0.000			NO	10000		4.08	10000

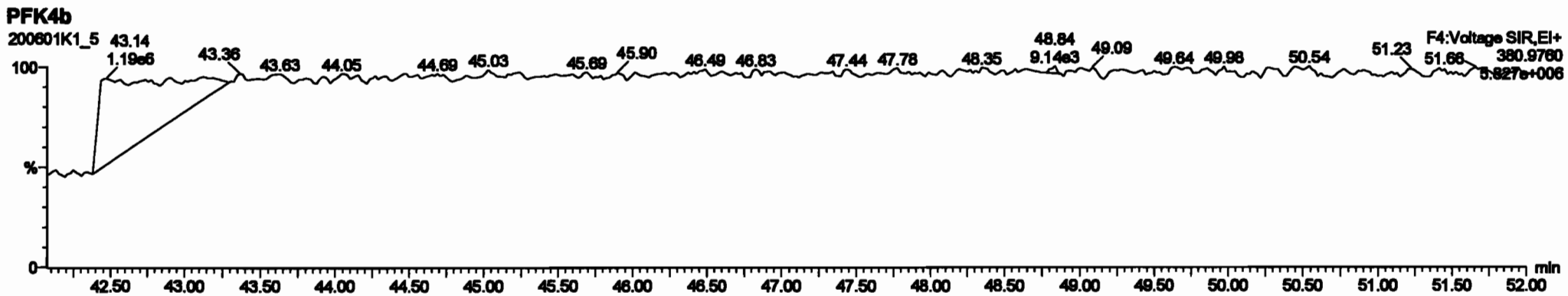
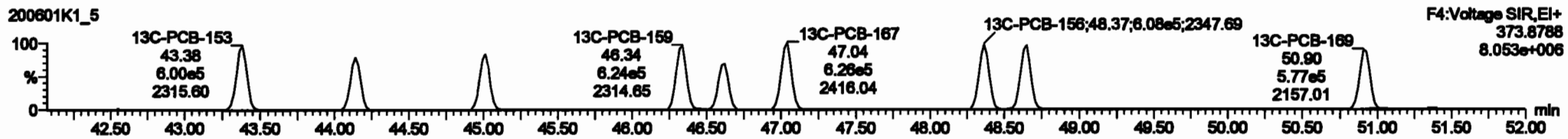
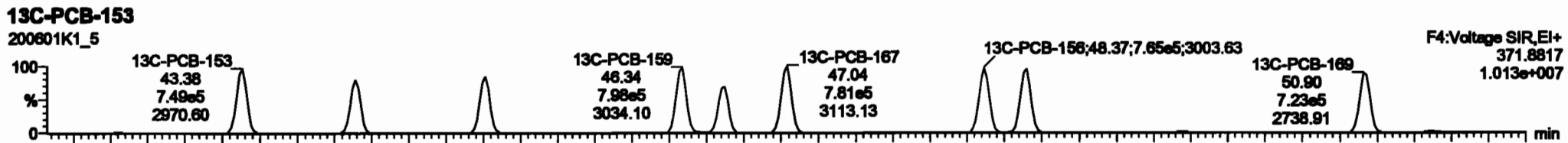
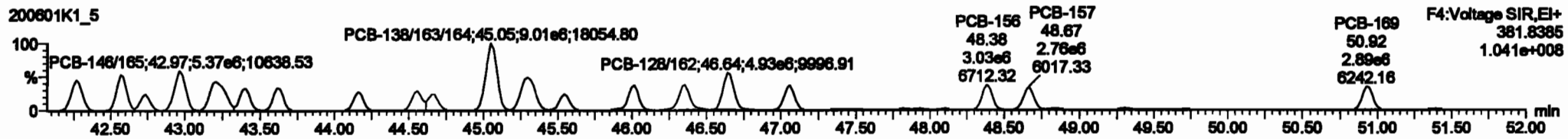
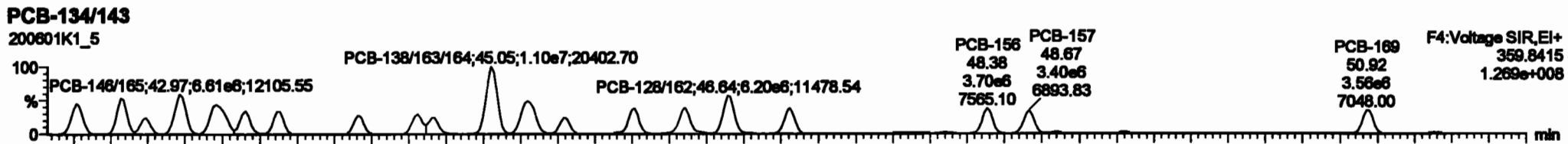
ID	Step	Step	RM	RM	OPF	Calcd	Revised	IE	Pres.R.	Unit	RMF Pts	Chgs	Unit	EA	RMPC
80	PCB-100	37.80	37.81	1.800e6	1.800e6	1.200	1.20	NO	421.45	421.45					
81	PCB-100	38.30	38.30	2.000e6	1.820e6	1.200	1.20	NO	438.81	438.81					
82	PCB-102	38.80	38.80	2.200e6	1.780e6	1.200	1.20	NO	441.48	441.48					
83	PCB-140	38.30	38.27	2.200e6	1.780e6	1.200	1.20	NO	438.81	438.81					
84	PCB-130	38.80	38.80	1.800e6	1.800e6	1.200	1.20	NO	431.80	431.80					
85	PCB-148	38.72	38.71	1.800e6	1.800e6	1.200	1.20	NO	438.70	438.70					
86	PCB-104	40.20	40.20	1.200e6	1.200e6	1.200	1.20	NO	418.80	418.80					
87	PCB-101	40.80	40.80	1.400e6	1.500e6	1.200	1.20	NO	418.30	418.30					
88	PCB-138	41.13	41.11	1.800e6	1.800e6	1.200	1.20	NO	480.82	480.82					



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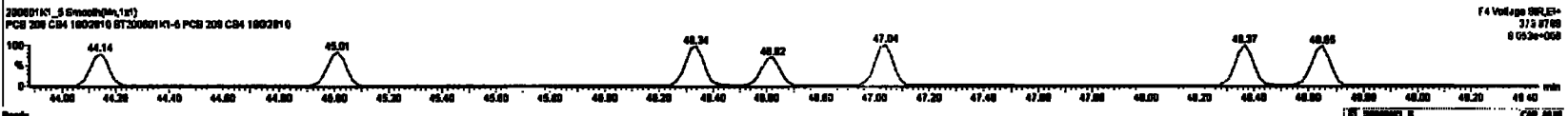
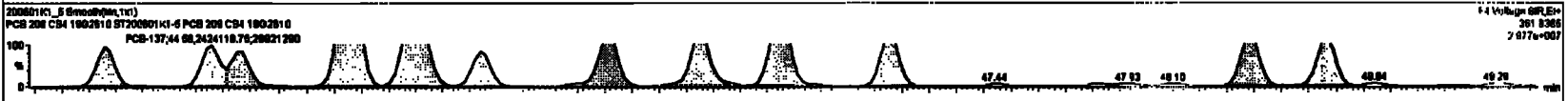
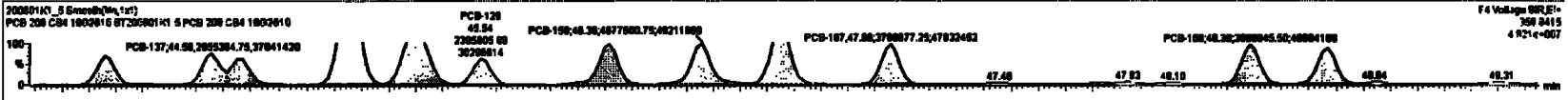
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#	Element	Range	Unit	Min	Max	Mean	StdDev	Count	Min	Max	Mean	StdDev	Count	Min	Max	Mean	StdDev	Count
222	13C-PCB-78	1.80e6	0.78	ND	1.80e6	1.80e6	37.76	37.76	0.000	0.000	ND	07.40	07.4	0.000	0.000	0.000	0.000	1
223	13C-PCB-79	7.80e6	0.44	ND	1.80e6	1.80e6	48.07	48.08	0.000	0.000	ND	07.40	07.2	0.000	0.000	0.000	0.000	1
224	Total Mono-PCBs			1.80e6	1.80e6	0.00	0.000	0.000	ND	12.00	0.000	1.000	0.000	0.000	0.000	0.000	0.000	1
225	Total Di-PCBs			1.80e6	1.80e6	0.00	0.000	0.000	ND	01.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1
226	2nd Function Tri-PCBs			1.80e6	1.80e6	0.00	0.000	0.000	ND	24.07	0.110	24.07	0.000	0.000	0.000	0.000	0.000	1
227	3rd Function Tri-PCBs			0.00e6	1.80e6	0.00	0.000	0.000	ND	07.74	0.000	07.74	0.000	0.000	0.000	0.000	0.000	1
228	Total Tetra-PCBs			1.07e6	1.80e6	0.00	0.000	0.000	ND	17.00	1.37	17.00	0.000	0.000	0.000	0.000	0.000	1
229	2nd Function Penta-PCBs			1.21e6	1.80e6	0.00	0.000	0.000	ND	17.00	0.000	17.00	0.000	0.000	0.000	0.000	0.000	1
230	4th Function Penta-PCBs			1.07e6	1.80e6	0.00	0.000	0.000	ND	21.00	0.000	21.00	0.000	0.000	0.000	0.000	0.000	1
231	2nd Function Hexa-PCBs			0.00e6	1.80e6	0.00	0.000	0.000	ND	00.76	0.000	00.76	0.000	0.000	0.000	0.000	0.000	1
232	3rd Function Hexa-PCBs			0.00e6	1.80e6	0.00	0.000	0.000	ND	00.00	0.000	00.00	0.000	0.000	0.000	0.000	0.000	1
233	2008 Total Hexa-PCBs			0.00e6	1.80e6	0.00	0.000	0.000	ND	00.00	0.000	00.00	0.000	0.000	0.000	0.000	0.000	1

#	Element	Range	Unit	Min	Max	Mean	StdDev	Count	Min	Max	Mean	StdDev	Count
111	PCB-137A40	42.30	42.30	0.01e6	4.00e6	1.240	1.24	ND	000.00	000.00			
112	PCB-137A20	42.80	42.80	0.00e6	4.00e6	1.240	1.24	ND	001.00	001.00			
113	PCB-142	42.74	42.74	2.00e6	1.00e6	1.240	1.24	ND	438.00	438.00			
114	PCB-149B8	42.80	42.80	0.00e6	0.00e6	1.240	1.24	ND	073.00	073.00			
115	PCB-120B1	43.20	43.20	0.00e6	0.00e6	1.240	1.24	ND	001.00	001.00			
116	PCB-140	43.00	43.00	2.00e6	2.70e6	1.240	1.24	ND	427.00	427.00			
117	PCB-140	43.00	43.00	0.00e6	0.00e6	1.240	1.24	ND	426.70	426.70			
118	PCB-141	44.10	44.10	2.70e6	2.10e6	1.240	1.24	ND	426.00	426.00			
119	PCB-137	44.00	44.00	0.00e6	2.42e6	1.240	1.24	ND	431.00	431.00			



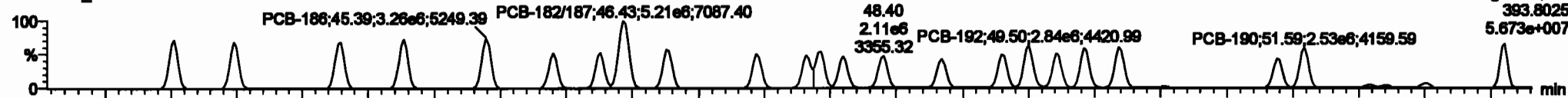
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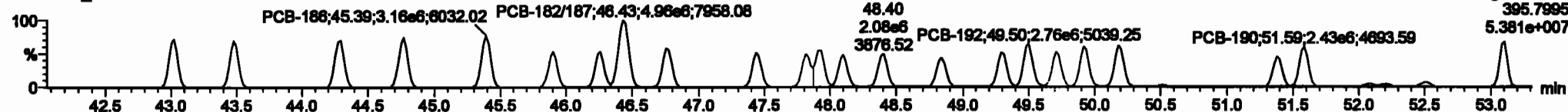
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**PCB-188**

200601K1\_5

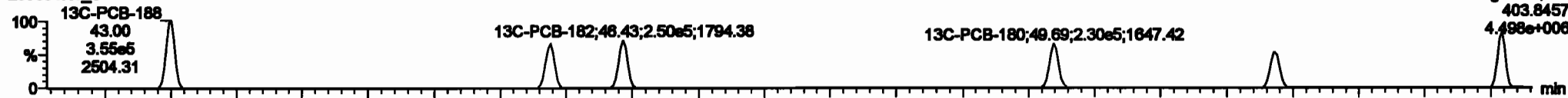


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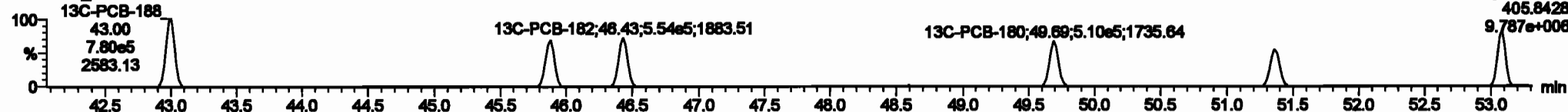


**13C-PCB-188**

200601K1\_5

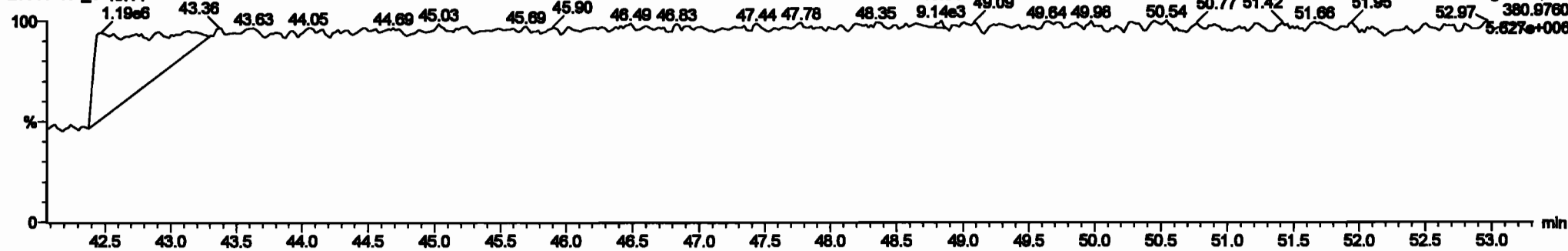


200601K1\_5



**PFK4c**

200601K1\_5



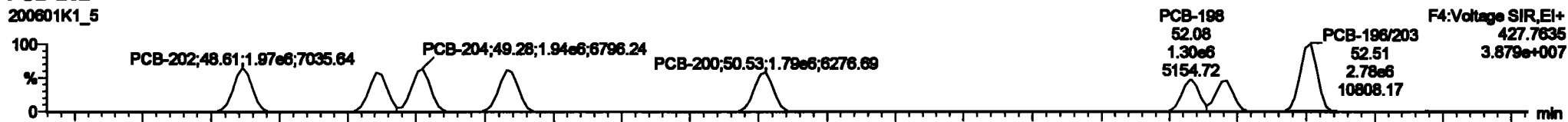
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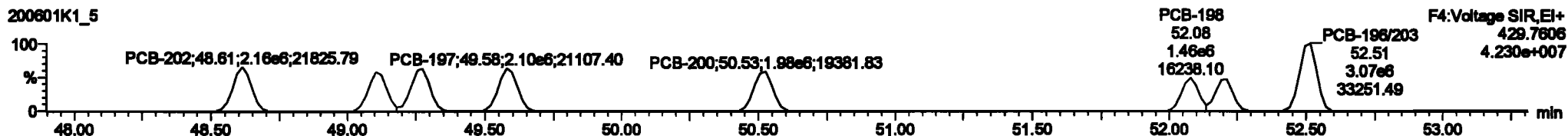
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**PCB-202**

200601K1\_5

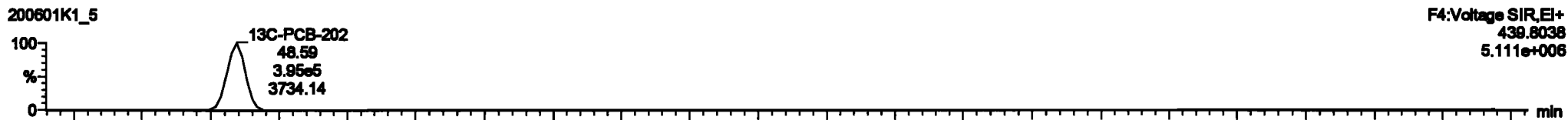


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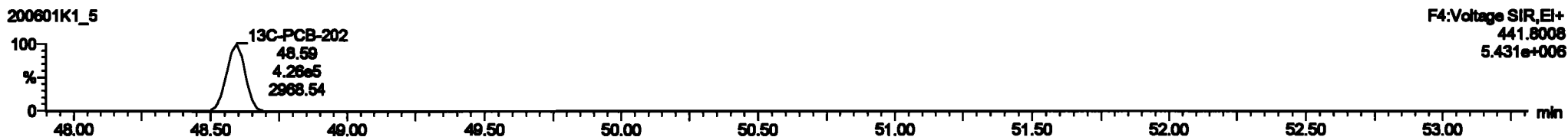


**13C-PCB-202**

200601K1\_5

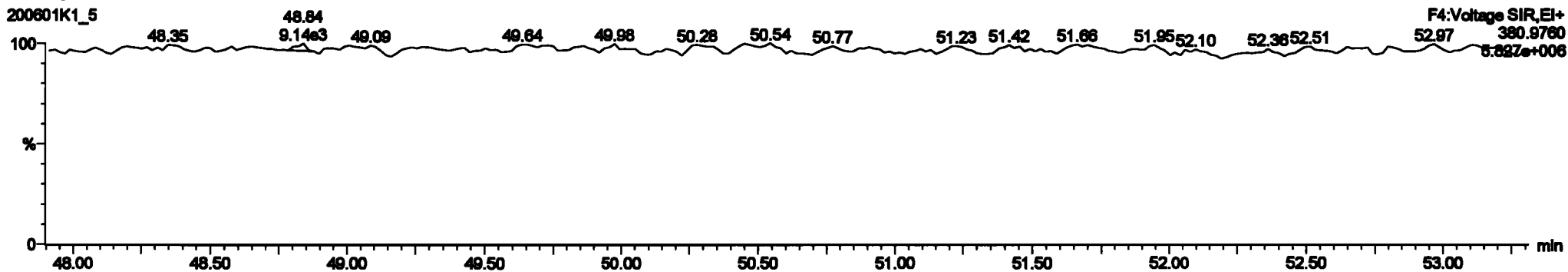


200601K1\_5



**PFK4d**

200601K1\_5



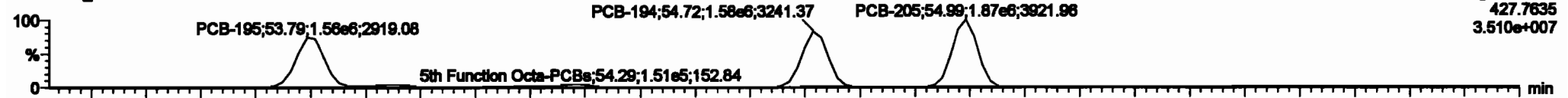
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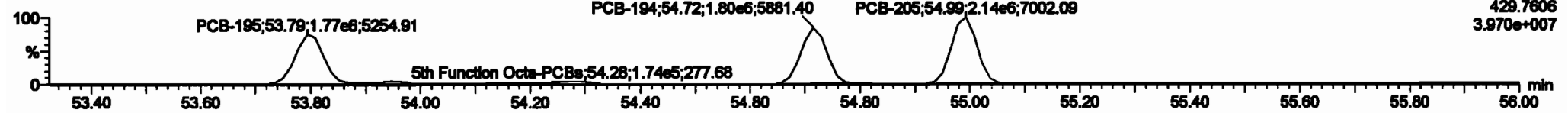
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**PCB-195**

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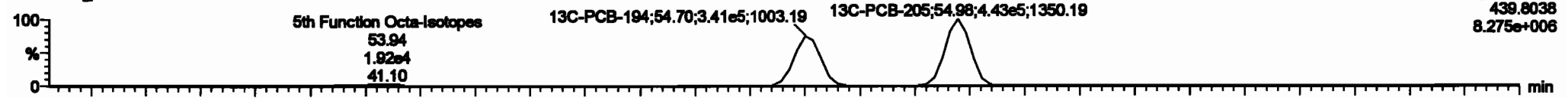


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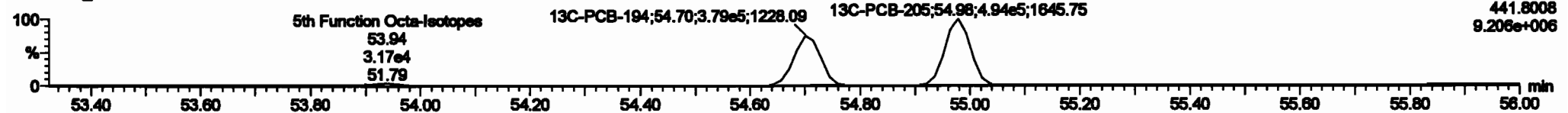


**13C-PCB-194**

200601K1\_5

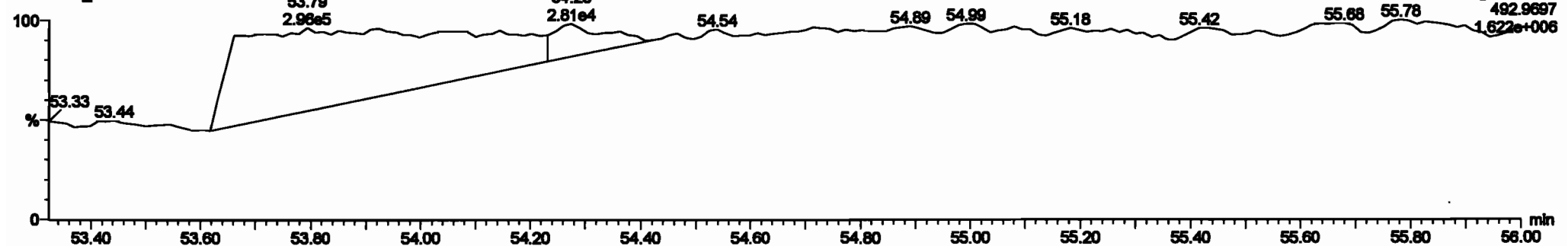


200601K1\_5



**PFK5a**

200601K1\_5



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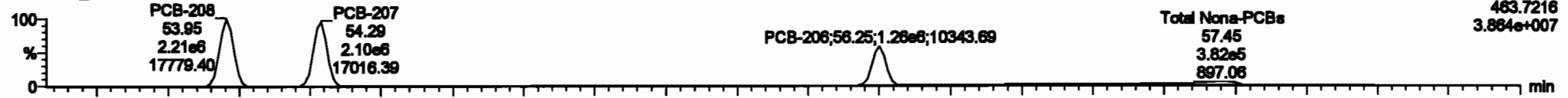
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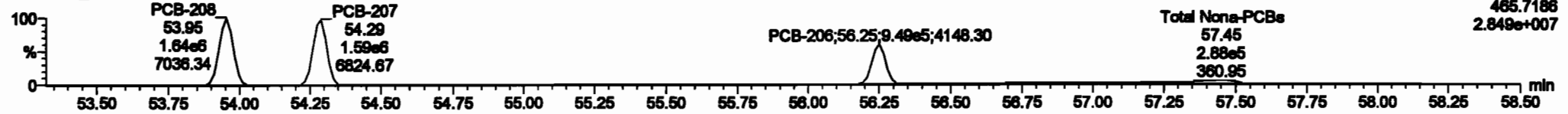
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**PCB-208**

200601K1\_5

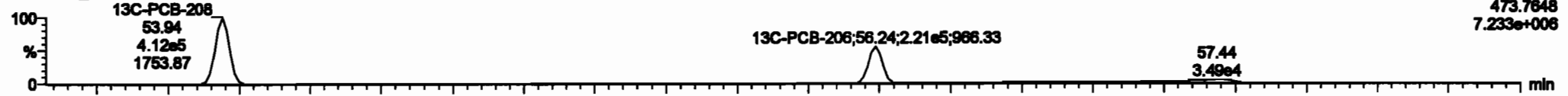


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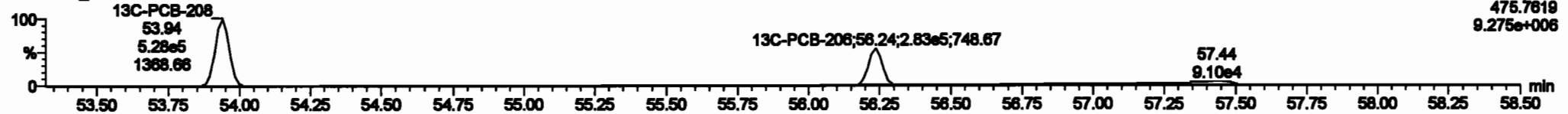


**13C-PCB-208**

200601K1\_5

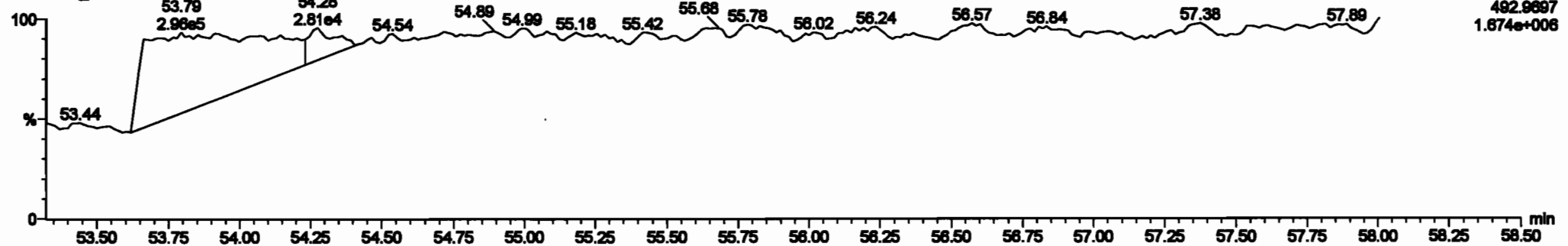


200601K1\_5



**PFK5**

200601K1\_5



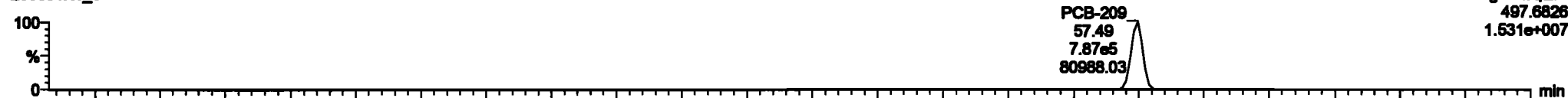
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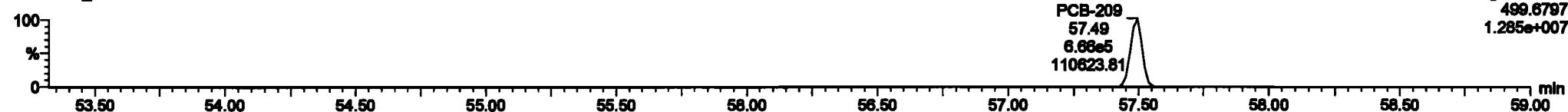
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**PCB-209**

200601K1\_5

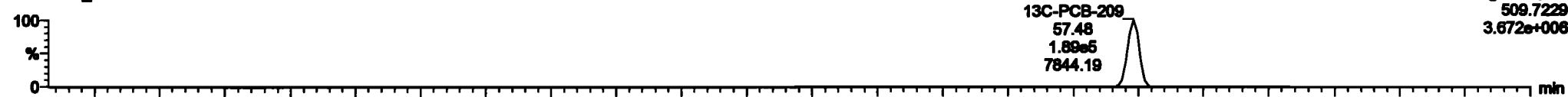


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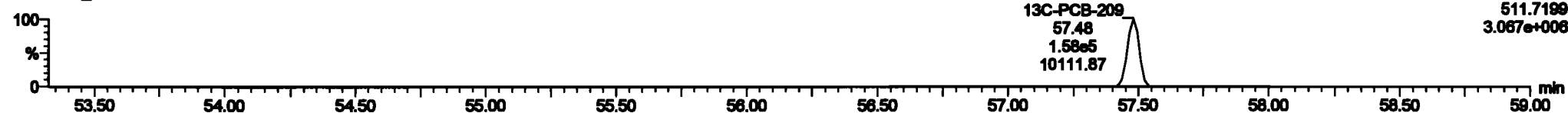


**13C-PCB-209**

200601K1\_5

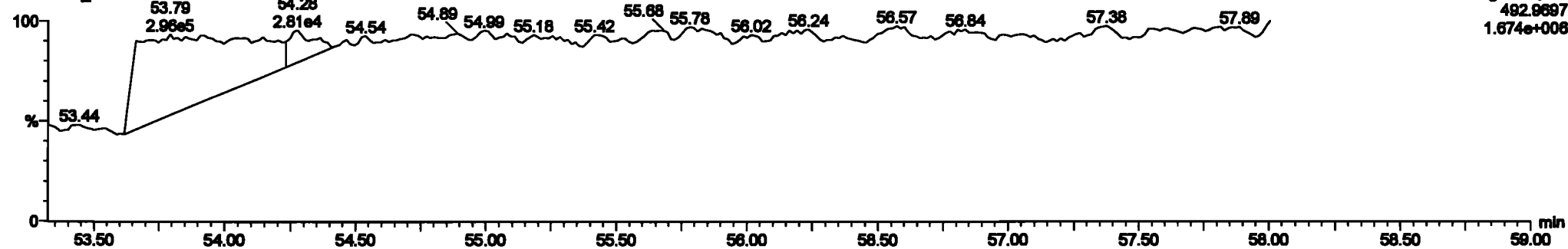


200601K1\_5



**PFK5b**

200601K1\_5

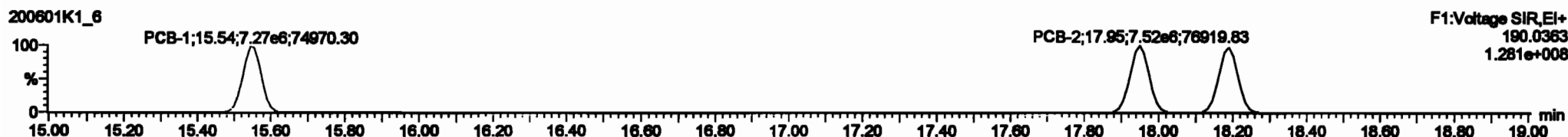


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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

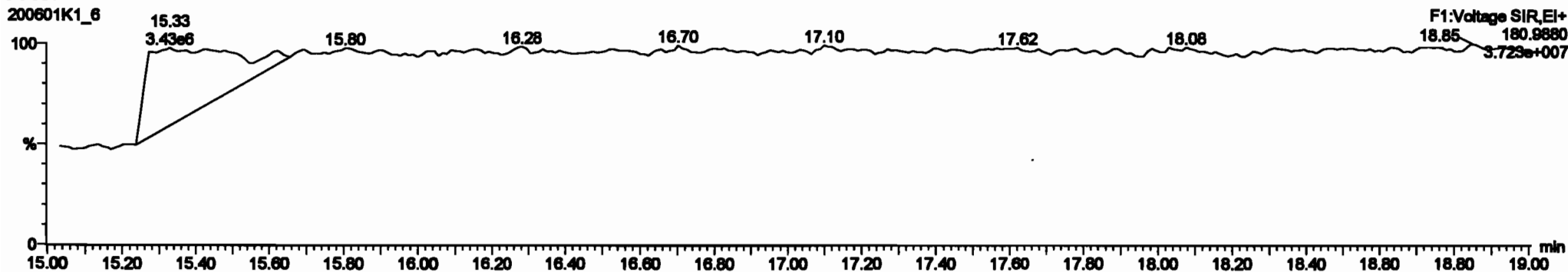
**PCB-1**



**13C-PCB-1**



**PFK1**

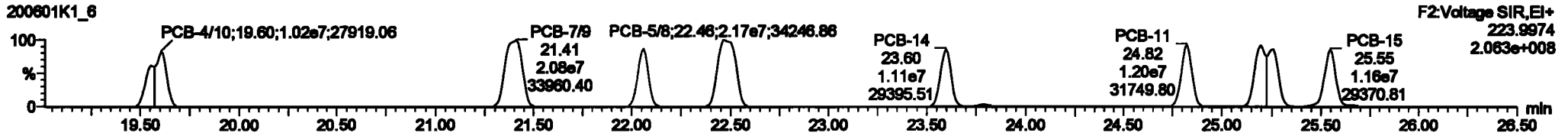
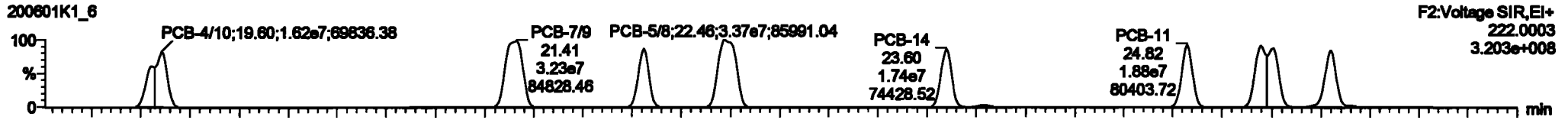


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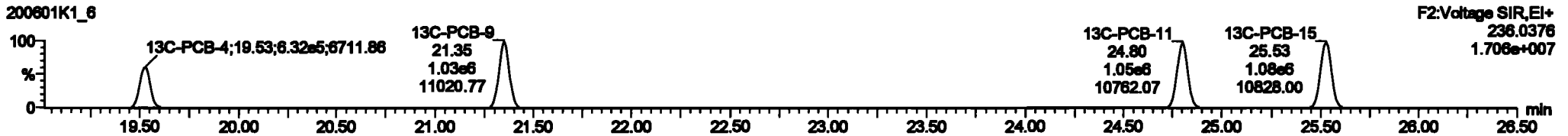
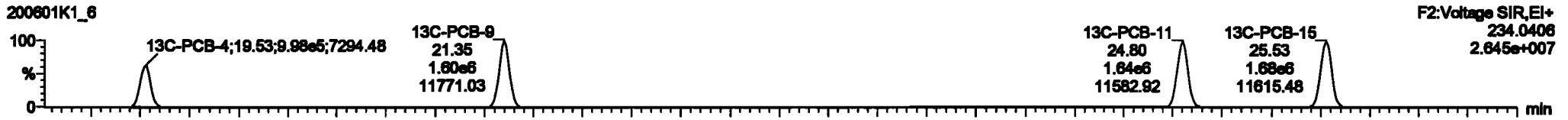
Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
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Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2811, Description: PCB 209 CS5 19G2811

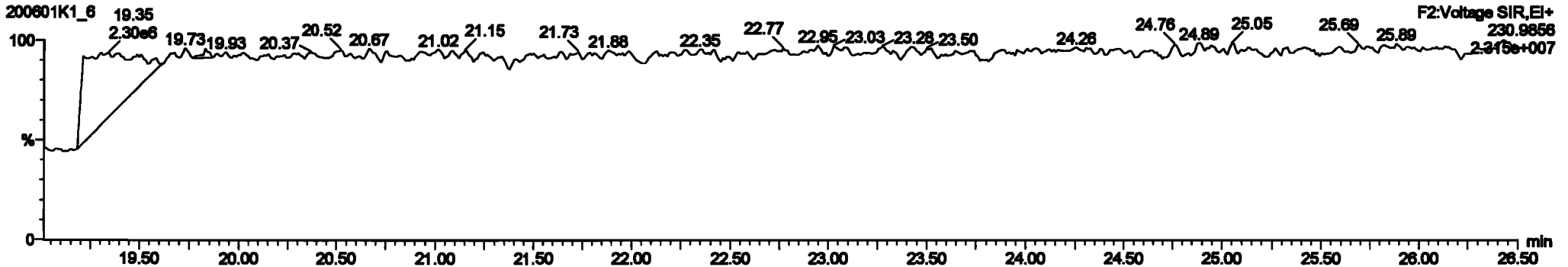
**PCB-4/10**



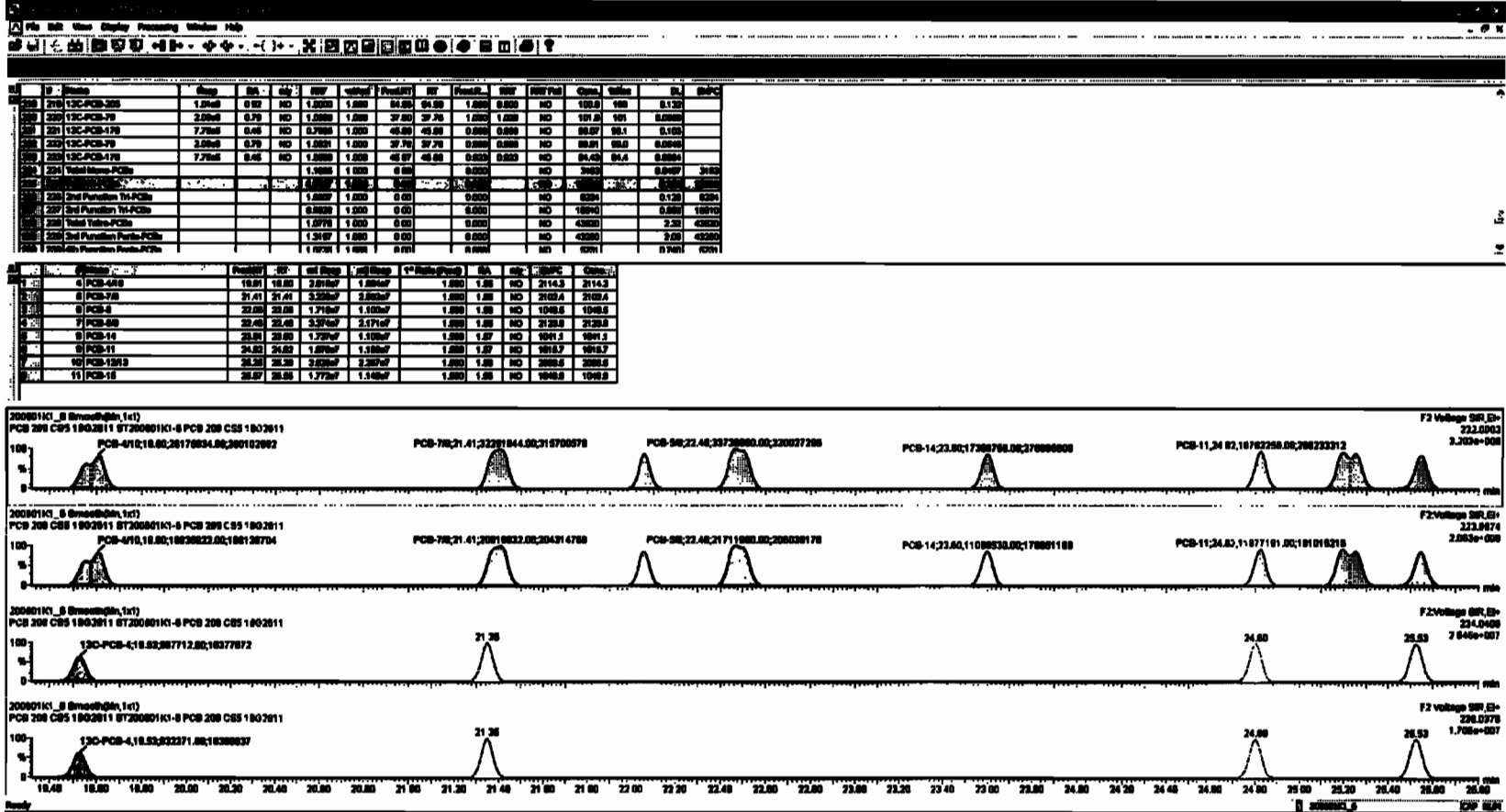
**13C-PCB-4**



**PFK2a**





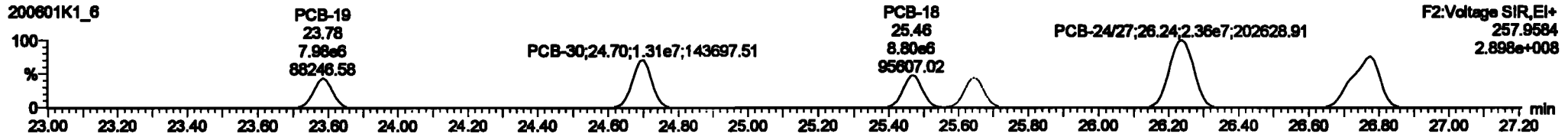


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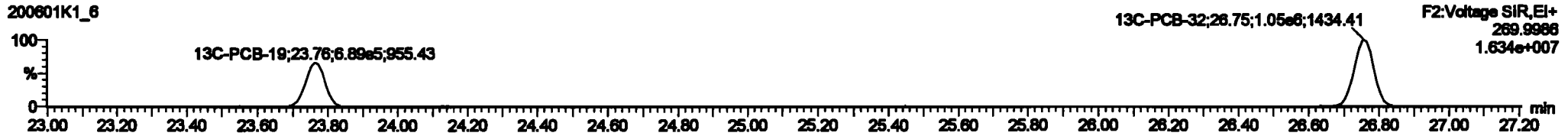
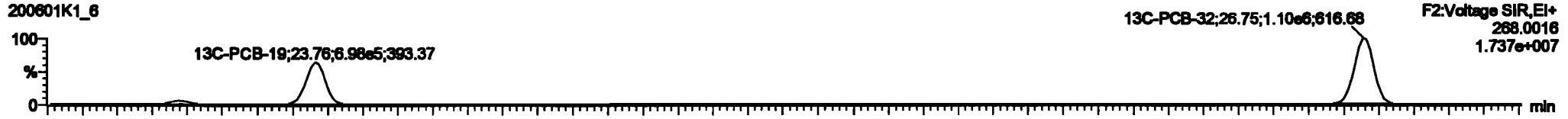
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Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

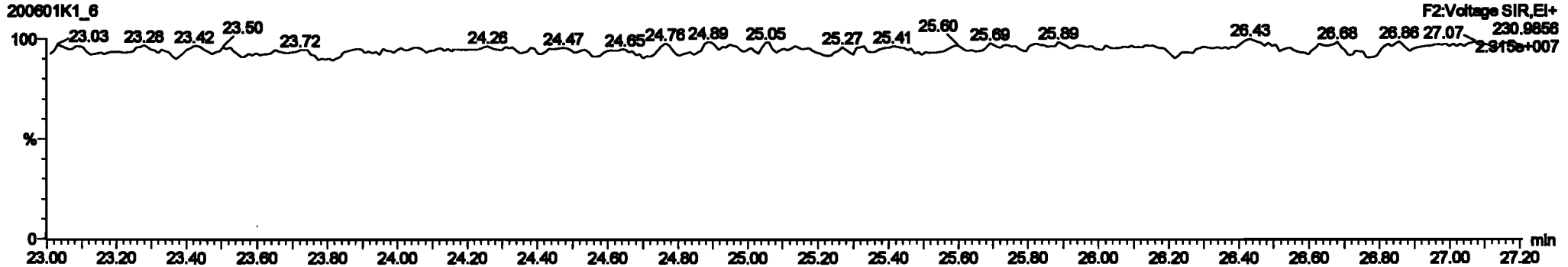
**PCB-19**



**13C-PCB-19**



**PFK2b**

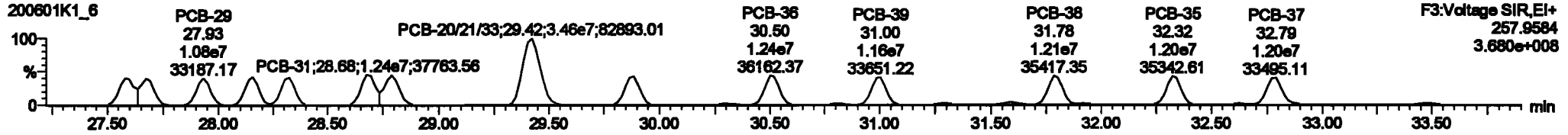
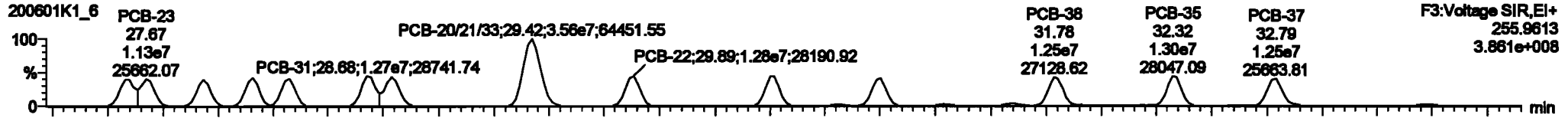


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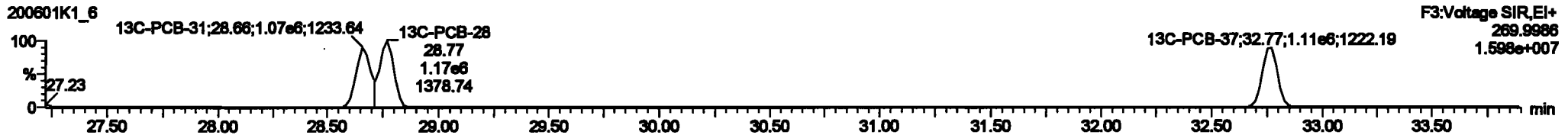
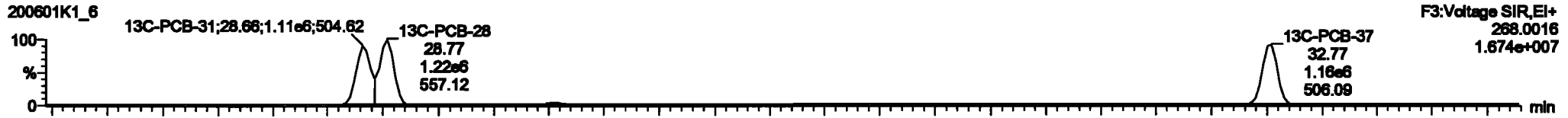
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Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

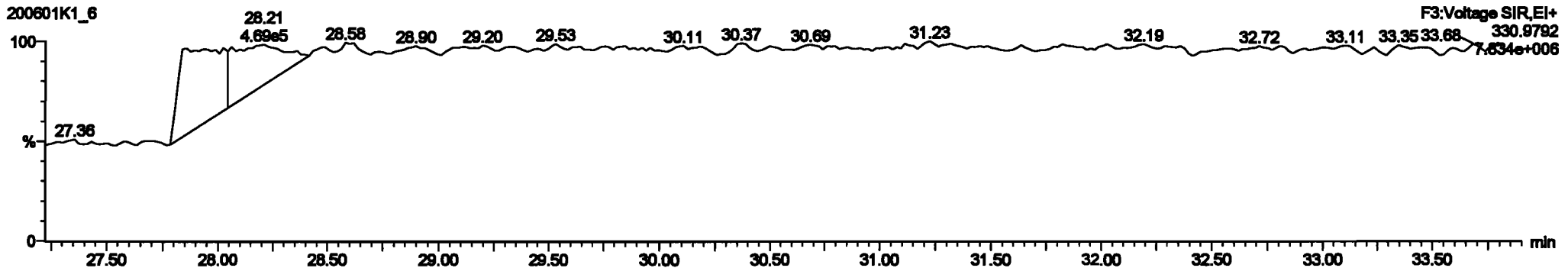
**PCB-34**



**13C-PCB-28**

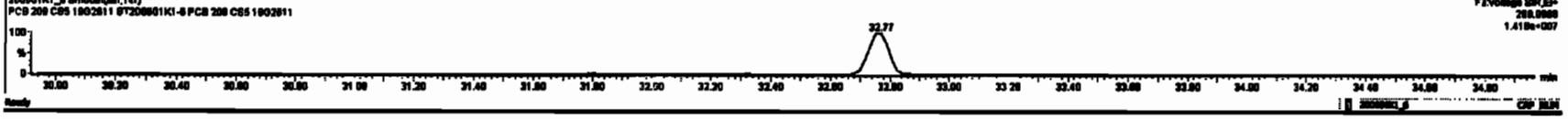
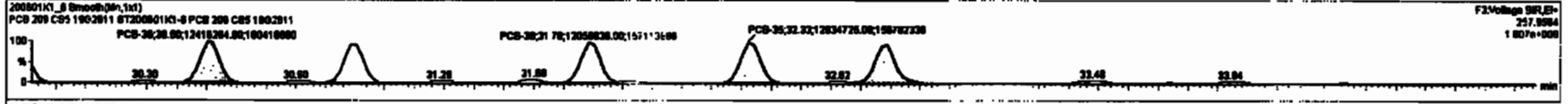
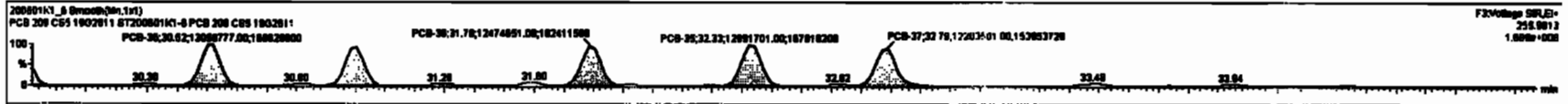


**PFK3d**



#	Name	Range	RA	RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF	RF/RF
200	13C-PCB-205	1.01e6	0.82	ND	1.0000	1.000	54.88	54.88	1.000	0.820	ND	100.0	100	0.132					
200	200	2.00e6	0.79	ND	1.0000	1.000	37.70	37.70	1.000	0.820	ND	101.0	101	0.0000					
200	201	7.70e6	0.45	ND	0.7000	1.000	45.88	45.88	0.800	0.800	ND	98.07	98.1	0.103					
200	202	2.00e6	0.79	ND	1.0001	1.000	37.70	37.70	0.800	0.800	ND	98.01	98.0	0.0040					
200	203	7.70e6	0.45	ND	1.0000	1.000	45.87	45.88	0.820	0.820	ND	94.43	94.4	0.0094					
200	204	Total Non-PCBs			1.1888	1.000	0.00	0.000	0.000	0.000	ND	3183		0.0487	3183				
200	205	Total CB-PCBs			1.0037	1.000	0.00	0.000	0.000	0.000	ND	12890		0.380	12890				
200	206	2nd Function PCBs			1.0007	1.000	0.00	0.000	0.000	0.000	ND	8204		0.128	8204				
200	207	Total PCBs			0.0000	0.000	0.00	0.000	0.000	0.000	ND	42620		2.32	42620				
200	208	Total Non-PCBs			1.0778	1.000	0.00	0.000	0.000	0.000	ND	42620		2.05	42620				
200	209	2nd Function PCBs			1.0781	1.000	0.00	0.000	0.000	0.000	ND	42620		2.05	42620				
200	210	2nd Function PCBs			1.0781	1.000	0.00	0.000	0.000	0.000	ND	42620		2.05	42620				

#	Offset	PeakID	Int	Est Range	Est Range	Est Range (Peak)	RA	RF	RF/RF	Obs.
1	16	PCB-34	27.88	27.88	1.182e7	1.182e7	1.040	1.09	ND	1021.1
2	18	PCB-29	27.87	27.87	1.128e7	1.128e7	1.040	1.07	ND	1030.7
3	20	PCB-28	27.89	27.89	1.104e7	1.104e7	1.040	1.05	ND	1023.7
4	21	PCB-26	28.16	28.16	1.183e7	1.143e7	1.040	1.04	ND	1024.1
5	22	PCB-25	28.21	28.21	1.176e7	1.137e7	1.040	1.04	ND	1018.0
6	23	PCB-24	28.98	28.98	1.372e7	1.303e7	1.040	1.09	ND	1014.3
7	24	PCB-23	28.78	28.78	1.202e7	1.207e7	1.040	1.09	ND	1048.1
8	25	PCB-200103	28.43	28.43	3.687e7	3.687e7	1.040	1.09	ND	2144.3
9	26	PCB-22	28.97	28.98	1.204e7	1.204e7	1.040	1.09	ND	1071.1

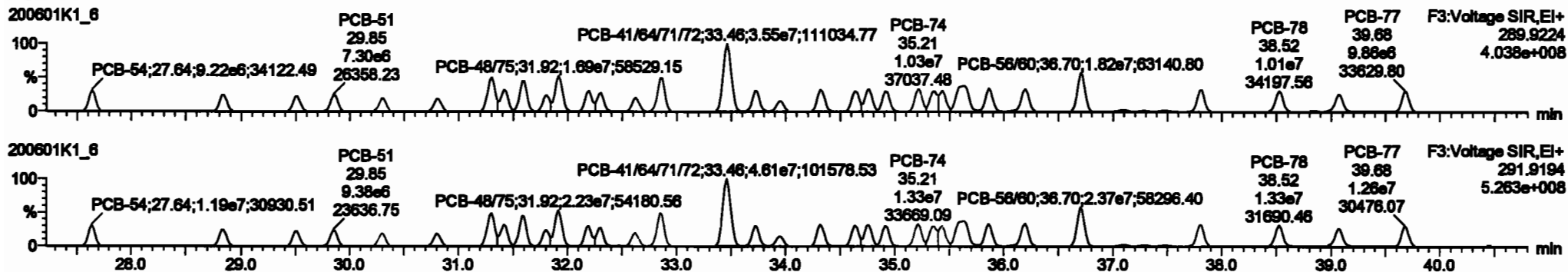


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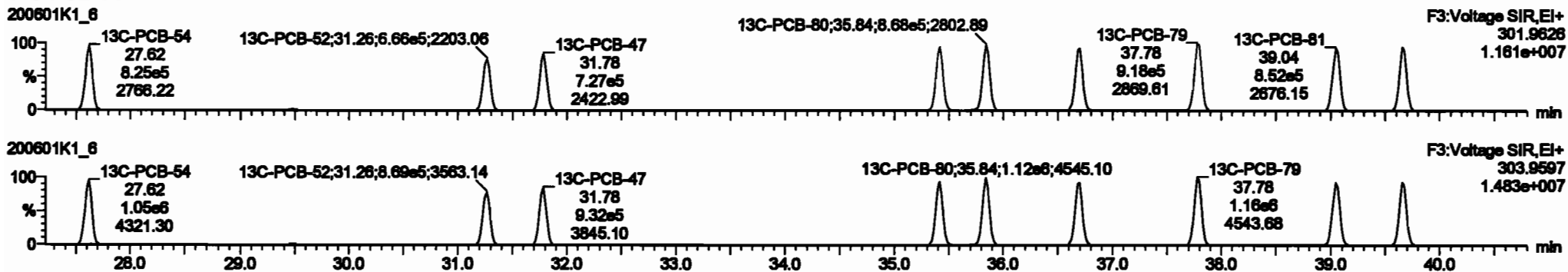
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 Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

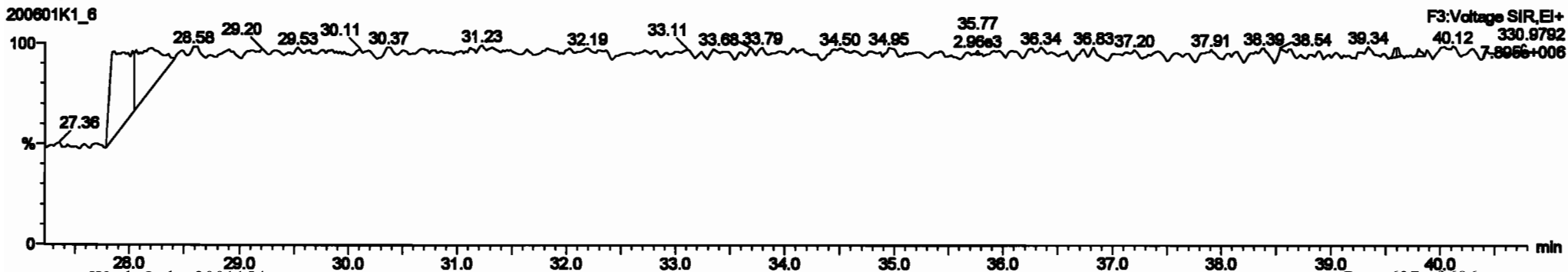
**PCB-54**



**13C-PCB-54**



**PFK3a**



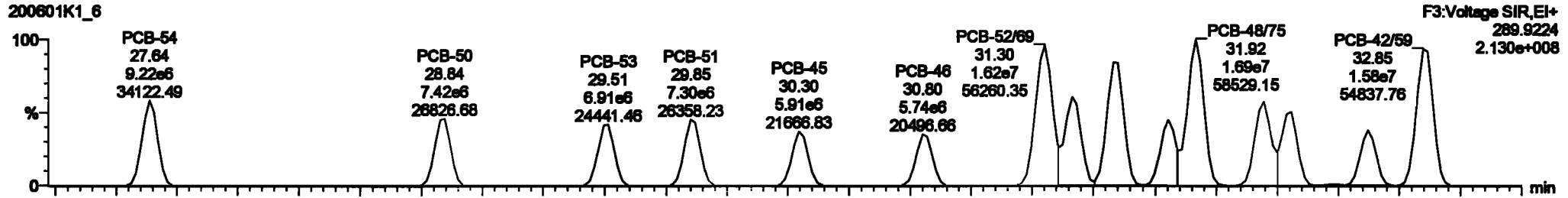
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

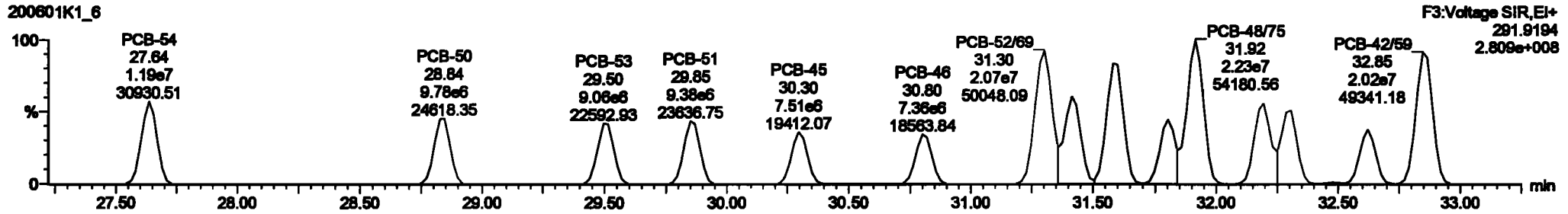
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PCB-50

200601K1\_6



200601K1\_6

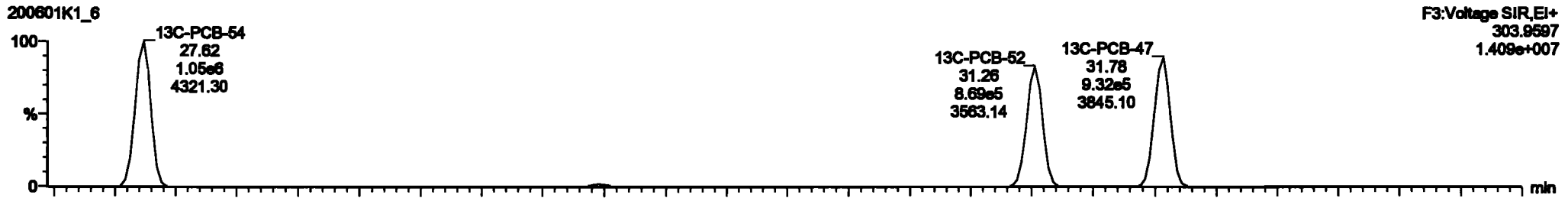


13C-PCB-52

200601K1\_6



200601K1\_6

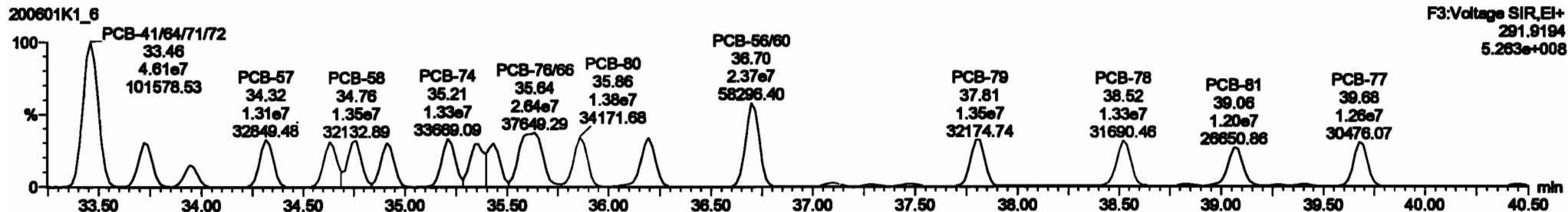
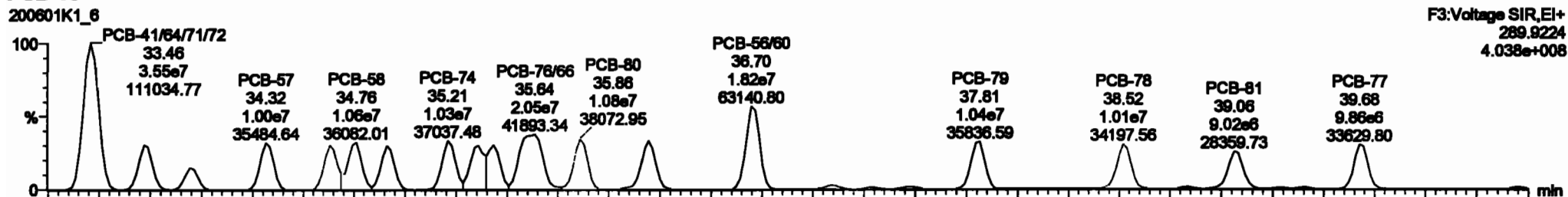


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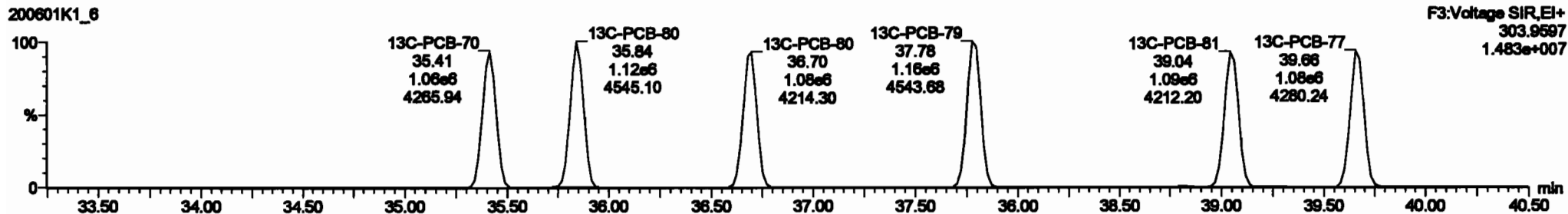
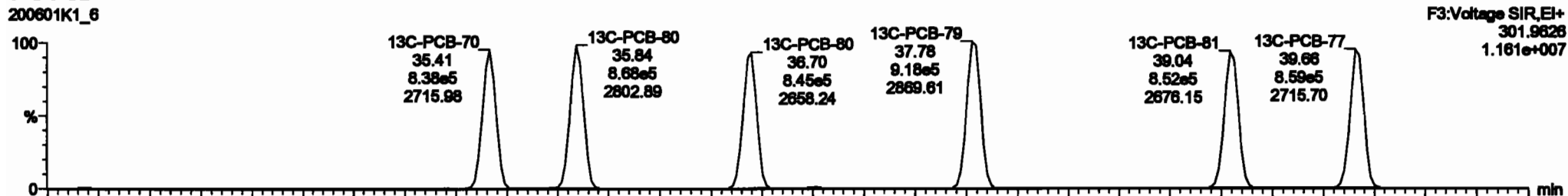
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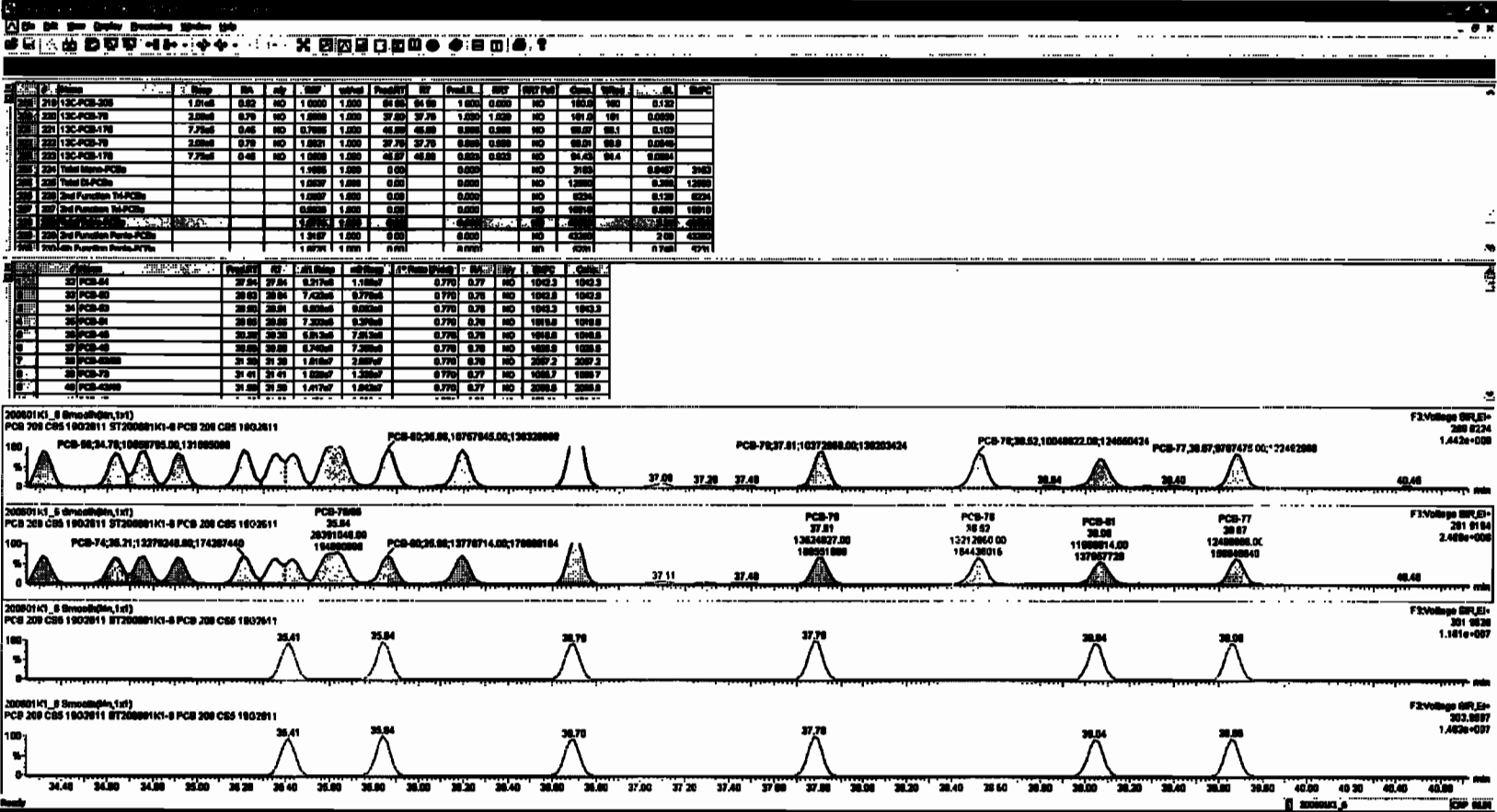
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**PCB-68**



**13C-PCB-60**





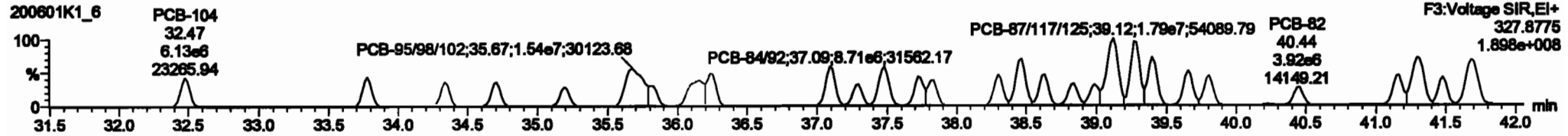
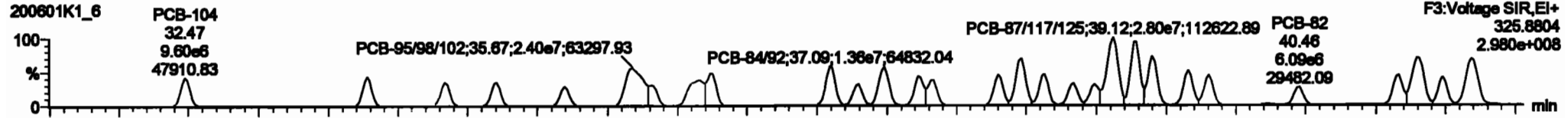


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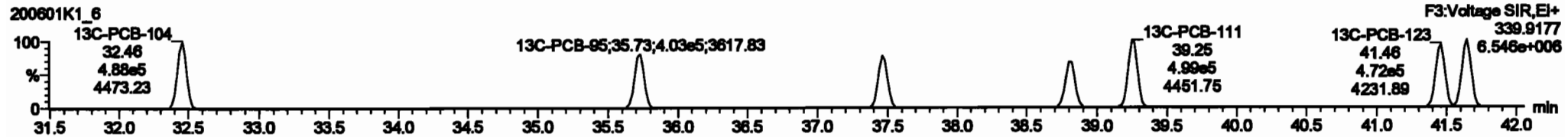
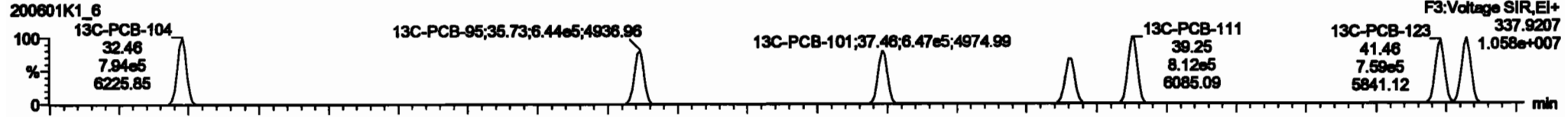
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

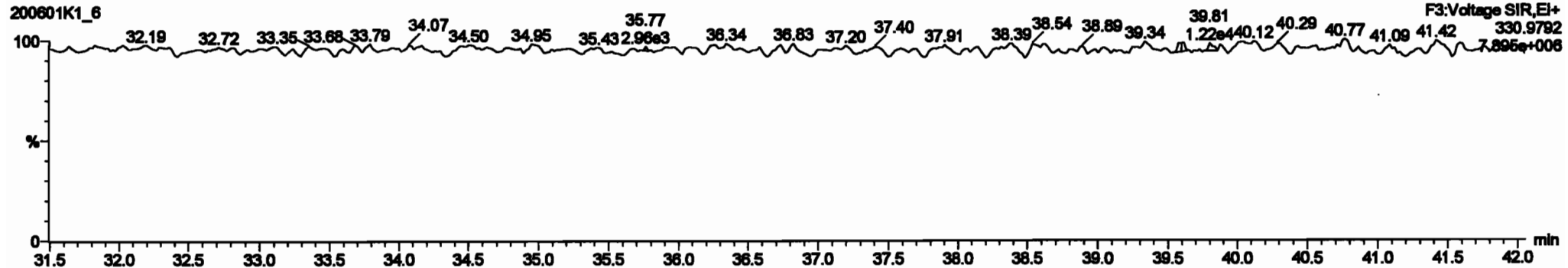
**PCB-104**



**13C-PCB-104**



**PFK3b**



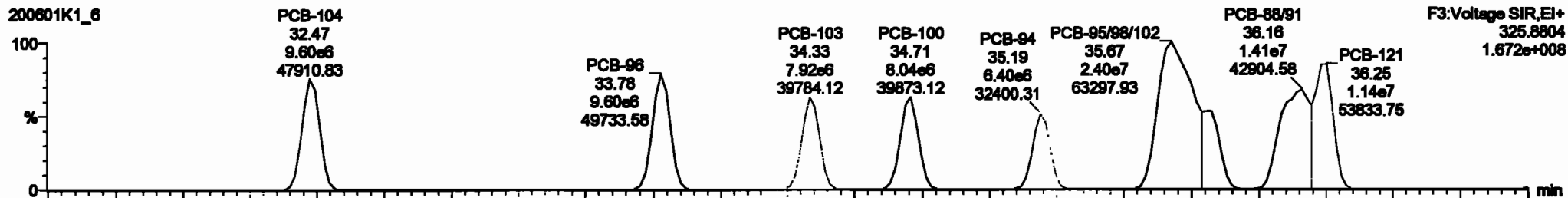
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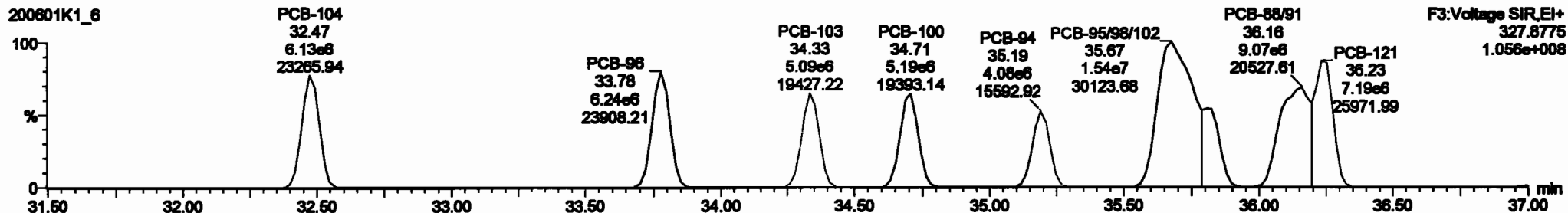
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**PCB-96**

200601K1\_6



200601K1\_6

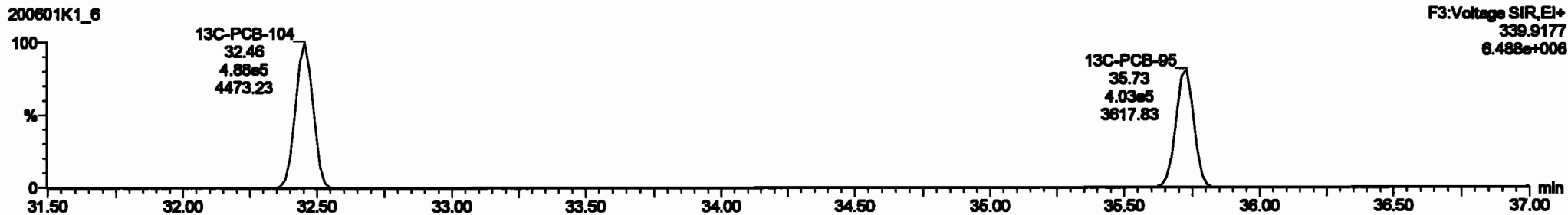


**13C-PCB-95**

200601K1\_6



200601K1\_6



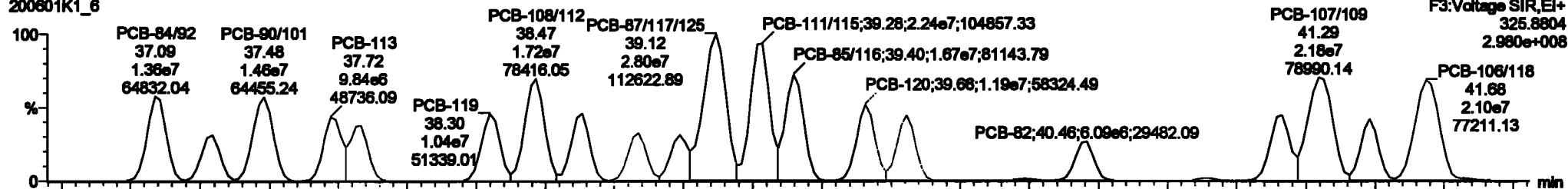
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

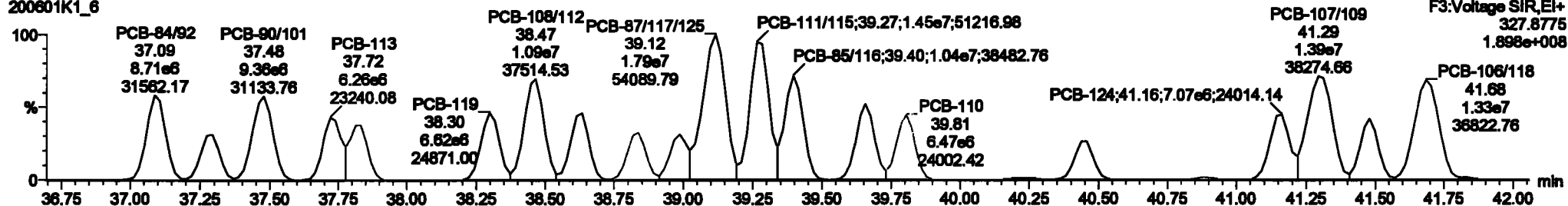
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PCB-119

200601K1\_6

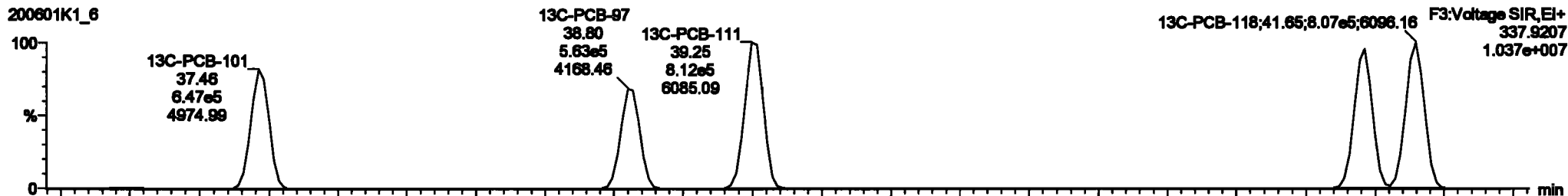


200601K1\_6

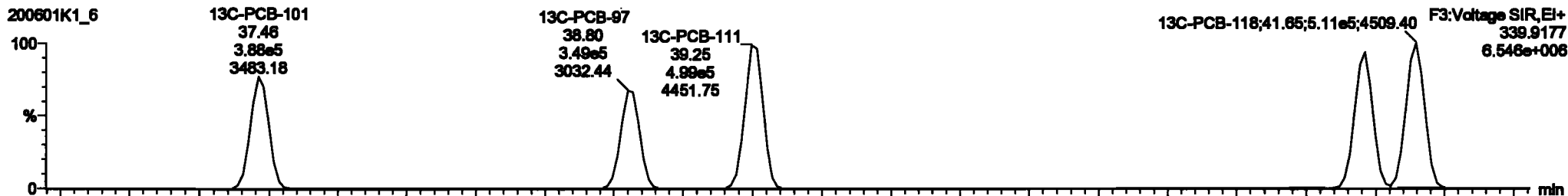


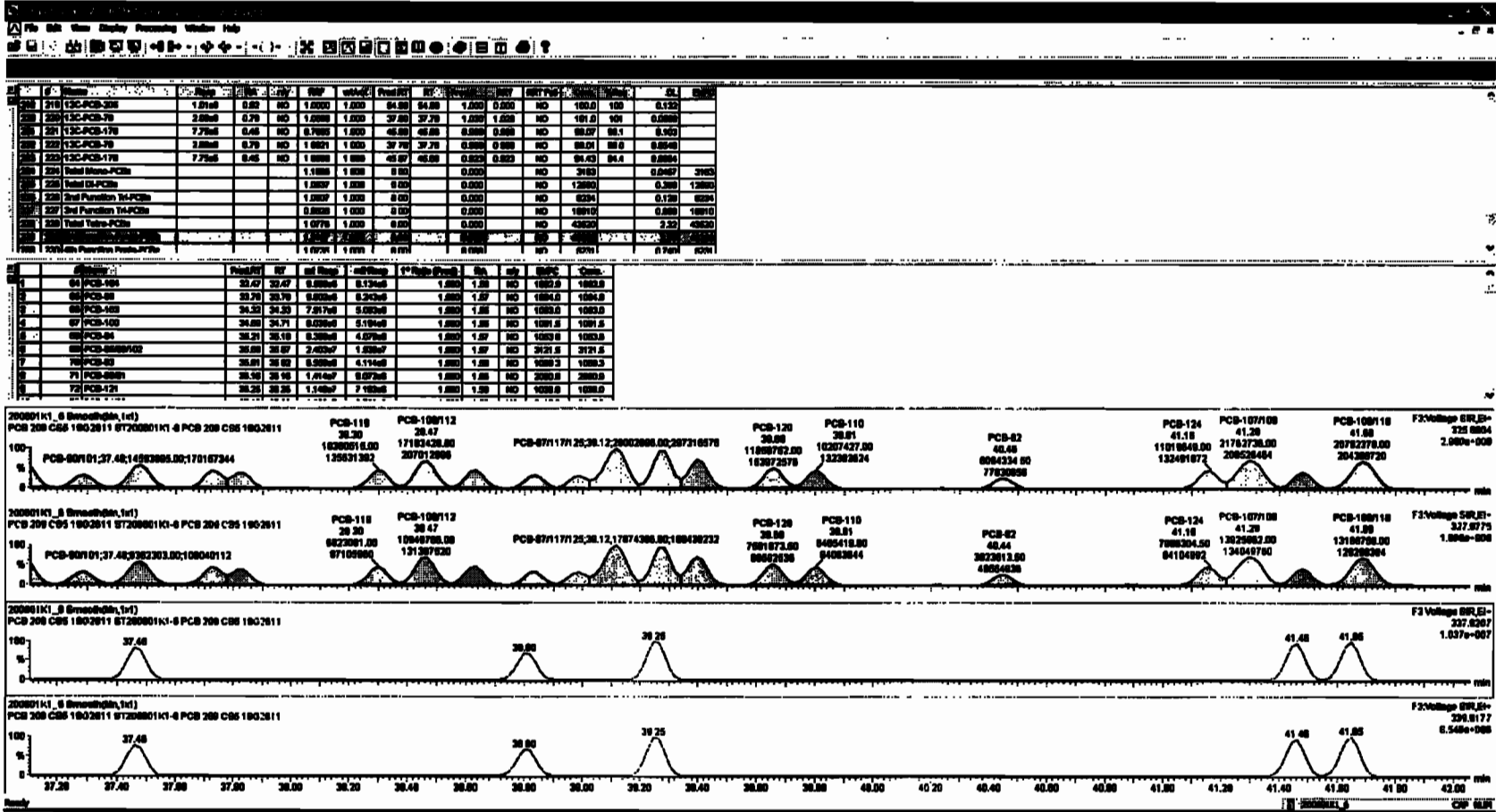
13C-PCB-111

200601K1\_6



200601K1\_6



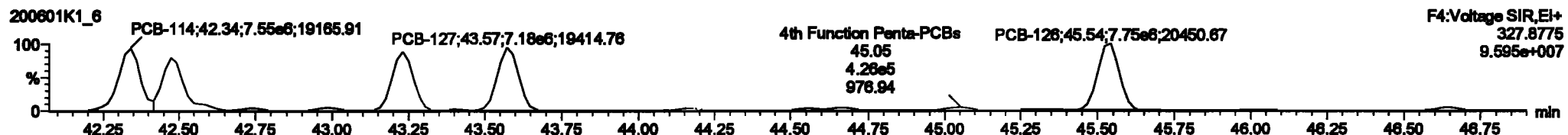
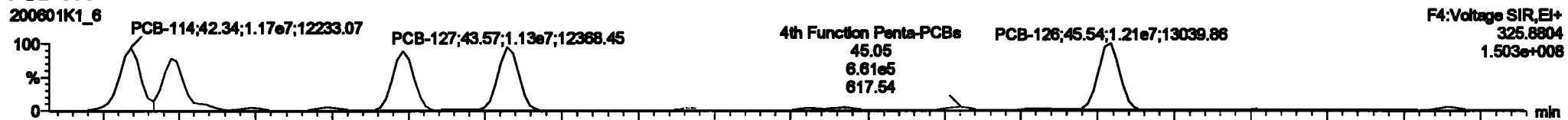


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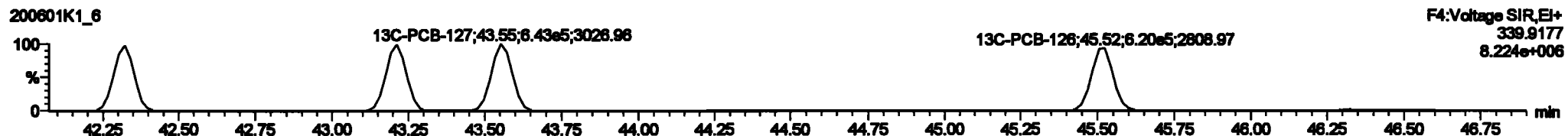
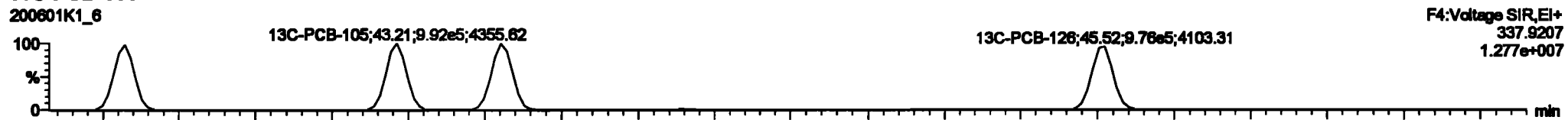
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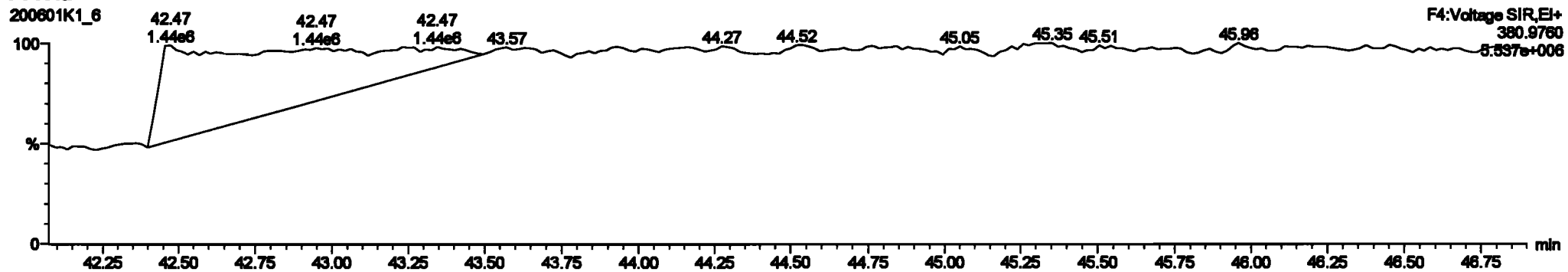
**PCB-114**



**13C-PCB-114**

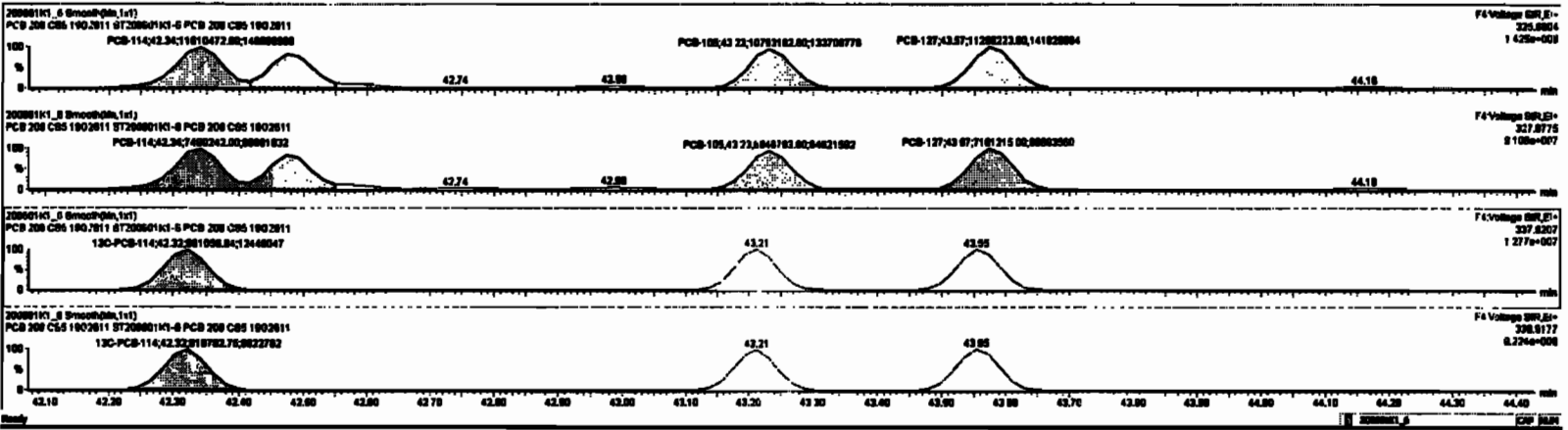


**PFK4a**



#	Group	Phase	Q1	Q2	Q3	Min	Max	Mean	Std Dev	Skewness	Kurtosis	Q1	Q2	Q3	Min	Max	Mean	Std Dev	Skewness	Kurtosis
176	12C-PCB-208		1.01e5	0.00	NO	1.0000	1.0000	0.0000	0.0000	NO	100.00	100.00	0.120							
200	12C-PCB-176		2.00e8	0.70	NO	1.0000	1.0000	0.0000	0.0000	NO	101.00	101.00	0.0000							
201	12C-PCB-176		7.70e8	0.48	NO	0.9900	1.0000	0.0000	0.0000	NO	99.00	99.00	0.900							
202	12C-PCB-176		2.00e8	0.70	NO	1.0000	1.0000	0.0000	0.0000	NO	101.00	101.00	0.0000							
203	12C-PCB-176		7.70e8	0.48	NO	1.0000	1.0000	0.0000	0.0000	NO	99.00	99.00	0.900							
204	Total Minus-PCBs		1.0000	1.0000	0.0000	1.0000	1.0000	0.0000	0.0000	NO	100.00	100.00	0.0000							
205	Total PL-PCBs		1.0000	1.0000	0.0000	1.0000	1.0000	0.0000	0.0000	NO	100.00	100.00	0.0000							
206	Total Pseudo-PL-PCBs		1.0000	1.0000	0.0000	1.0000	1.0000	0.0000	0.0000	NO	100.00	100.00	0.0000							
207	Total Pseudo-PL-PCBs		1.0000	1.0000	0.0000	1.0000	1.0000	0.0000	0.0000	NO	100.00	100.00	0.0000							
208	Total Minus-PCBs		1.0000	1.0000	0.0000	1.0000	1.0000	0.0000	0.0000	NO	100.00	100.00	0.0000							
209	Total PL-PCBs		1.0000	1.0000	0.0000	1.0000	1.0000	0.0000	0.0000	NO	100.00	100.00	0.0000							
210	Total Pseudo-PL-PCBs		1.0000	1.0000	0.0000	1.0000	1.0000	0.0000	0.0000	NO	100.00	100.00	0.0000							

#	Group	Phase	Q1	Q2	Q3	Min	Max	Mean	Std Dev	Skewness	Kurtosis	Q1	Q2	Q3	Min	Max	Mean	Std Dev	Skewness	Kurtosis
1	PCB-114		43.24	43.24	1.0100	7.00e8	1.0000	1.00	NO	1000.0	1000.0									
2	PCB-122		43.08	43.07	0.2000	0.01e6	1.0000	1.00	NO	1010.1	1010.1									
3	PCB-108		43.20	43.20	1.0100	0.00e6	1.0000	1.00	NO	1000.0	1000.0									
4	PCB-127		43.07	43.07	1.0100	7.00e8	1.0000	1.00	NO	1000.0	1000.0									
5	PCB-128		43.04	43.04	1.0100	7.00e8	1.0000	1.00	NO	1000.1	1000.1									



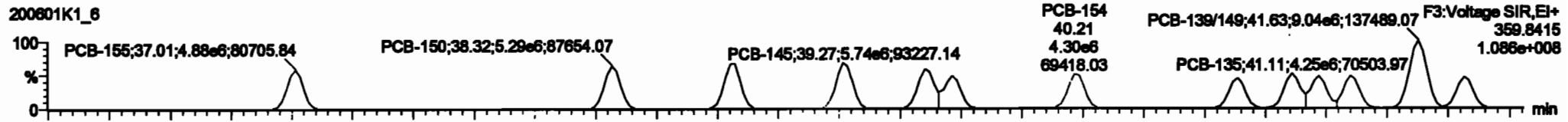
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

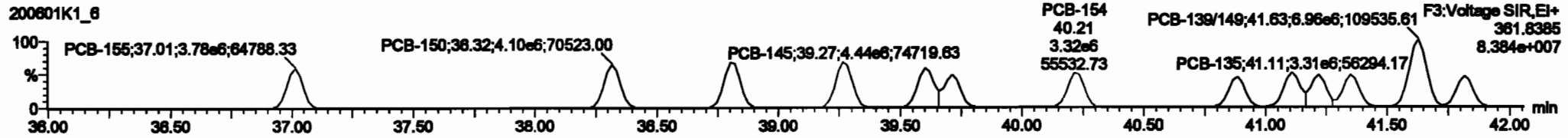
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PCB-155

200601K1\_6

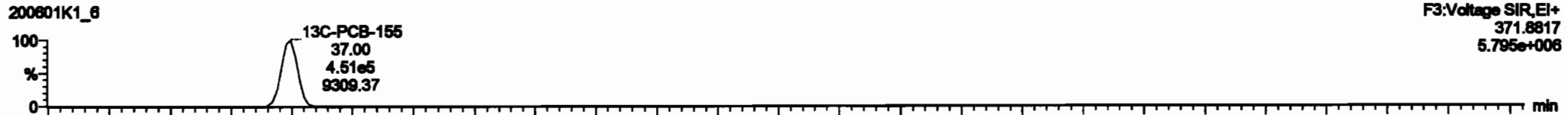


200601K1\_6

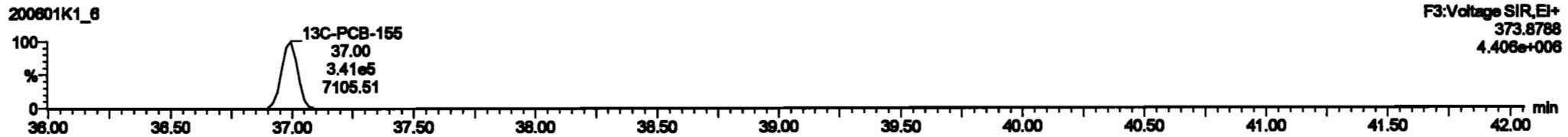


13C-PCB-155

200601K1\_6

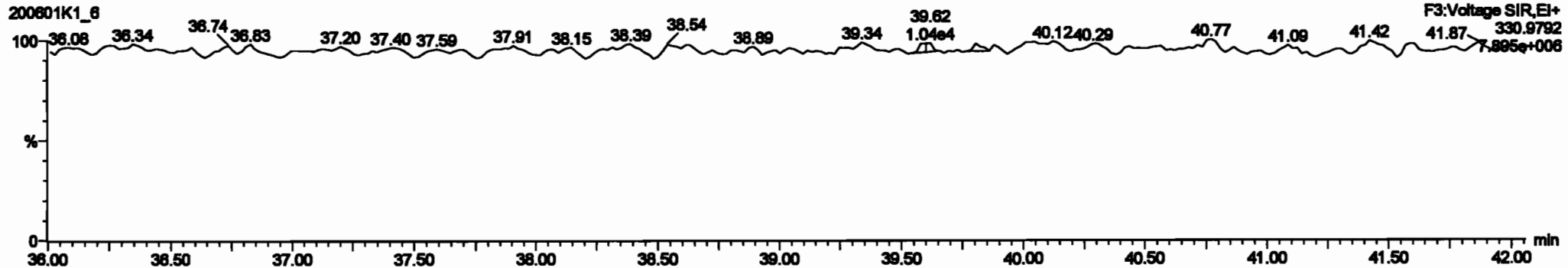


200601K1\_6



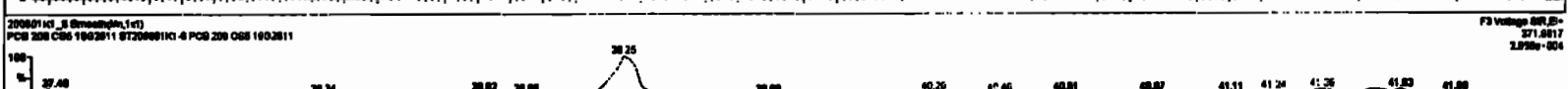
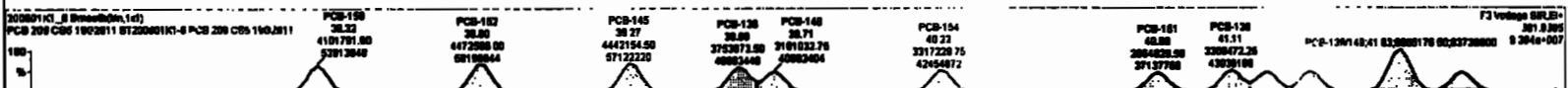
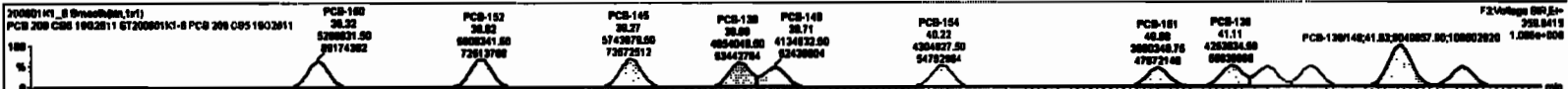
PFK3c

200601K1\_6



#	Name	Step	Start	End	Log	Pass/Fail	Defect	Defect Pct	Class	Value	OK	SNPC
220	2000 PCB-100		1.0015	1.0015	0.00	0.0000	NO	20776		0.00	20776	
221	2000 PCB-101		1.0011	1.0011	0.00	0.0000	NO	20500		0.33	20500	
224	2000 PCB-102		1.0009	1.0009	0.00	0.0000	NO	9798		1.04	9798	
225	2000 PCB-103		1.0008	1.0008	0.00	0.0000	NO	3140		1.10	3140	
226	2000 PCB-104		0.9993	0.9993	0.00	0.0000	NO	3394		0.787	3394	
227	2000 PCB-105		0.9994	0.9994	0.00	0.0000	NO	1045		0.9100	1045	

Step	Pass/Fail	Defect	Defect Pct	Class	Value	OK	SNPC
100 PCB-100	37.00	37.00	4.870e	3.777e	1.240	1.20	1004.0
100 PCB-101	38.00	38.00	5.280e	4.020e	1.240	1.20	1004.7
100 PCB-102	38.00	38.00	6.880e	4.672e	1.240	1.20	1004.3
100 PCB-103	38.00	38.00	5.740e	4.442e	1.240	1.20	1004.3
100 PCB-104	38.00	38.00	4.880e	3.760e	1.240	1.20	1004.8
100 PCB-105	38.70	38.71	4.120e	3.095e	1.240	1.20	1004.7
100 PCB-106	40.00	40.00	4.300e	3.217e	1.240	1.20	1007.8
100 PCB-107	40.00	40.00	3.880e	2.885e	1.240	1.20	1008.0
100 PCB-108	41.10	41.11	4.200e	3.200e	1.240	1.20	1008.3



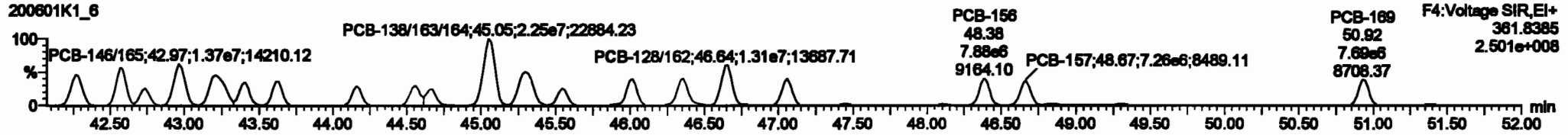
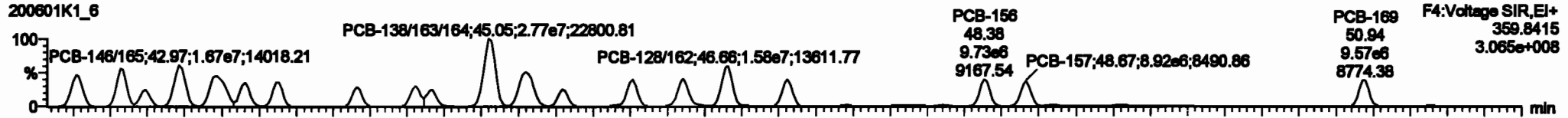


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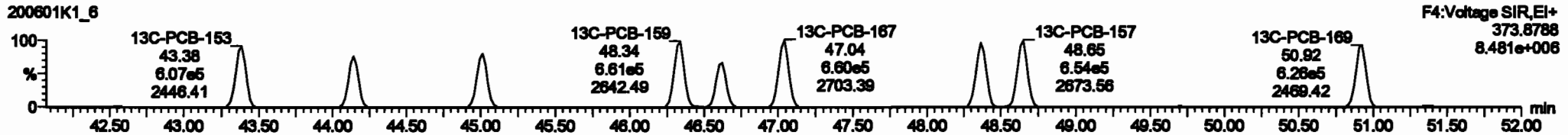
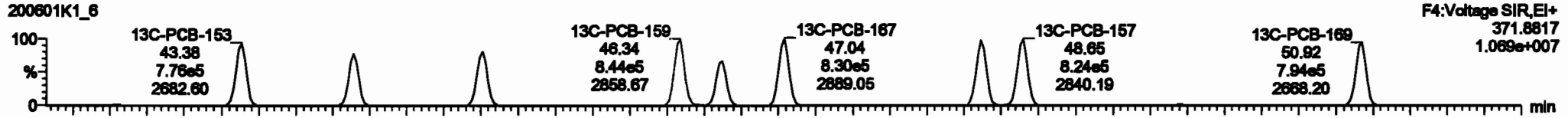
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

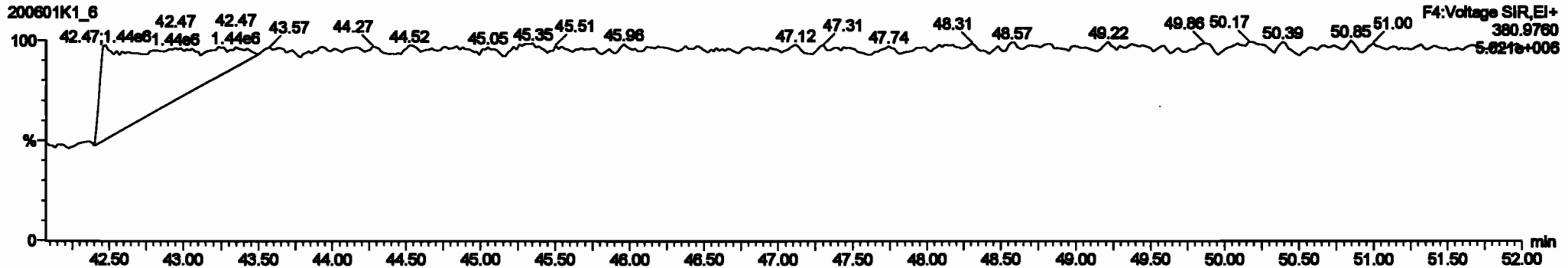
PCB-134/143



13C-PCB-153

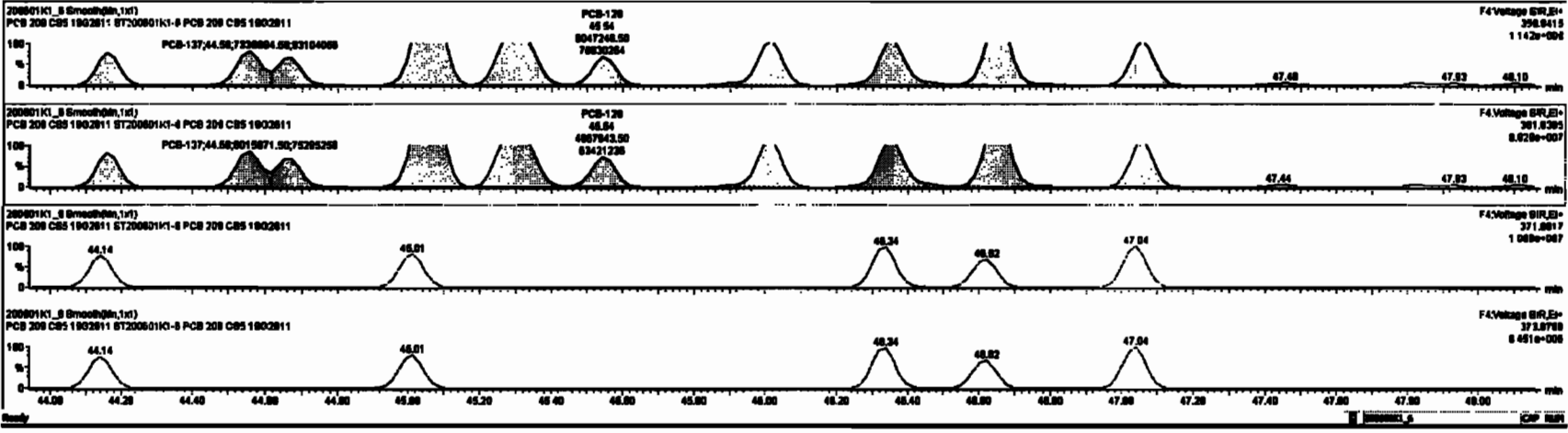


PFK4b



#	Step	RA	dy	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
281	2nd Function Pass-PCBs	0.8888	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
282	Total Pass-PCBs	1.3891	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
283	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
284	4th Function Out-PCBs	1.1488	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
285	Total Home-PCBs	0.8888	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
286	Down-OS	0.8884	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
287	Total PCBs																	
288	Total Home-Subgroups																	
289	Total D-Subgroups																	
290	2nd Function Test-Subgroups																	
291	2nd Function Test-Subgroups																	
292	2nd Function Test-Subgroups																	

#	Step	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
111	PCB-138-43	42.28	42.28	1.277e7	1.028e7	1.240	1.24	NO	2188.8	2188.8								
112	PCB-138-43	42.88	42.87	1.274e7	1.118e7	1.240	1.28	NO	2194.8	2194.8								
113	PCB-142	42.74	42.74	8.881e6	4.828e6	1.240	1.21	NO	1047.8	1047.8								
114	PCB-148-88	42.88	42.87	1.288e7	1.271e7	1.240	1.28	NO	2181.1	2181.1								
115	PCB-148-88	43.22	43.21	1.872e7	1.248e7	1.240	1.24	NO	2128.4	2128.4								
116	PCB-188	43.48	43.48	8.881e6	7.881e6	1.240	1.24	NO	1888.4	1888.4								
117	PCB-188	43.88	43.88	8.877e6	7.213e6	1.240	1.28	NO	1878.7	1878.7								
118	PCB-141	44.18	44.18	8.788e6	6.481e6	1.240	1.24	NO	1882.7	1882.7								
119	PCB-137	44.88	44.88	7.238e6	8.018e6	1.240	1.28	NO	1888.8	1888.8								



Dataset: Untitled

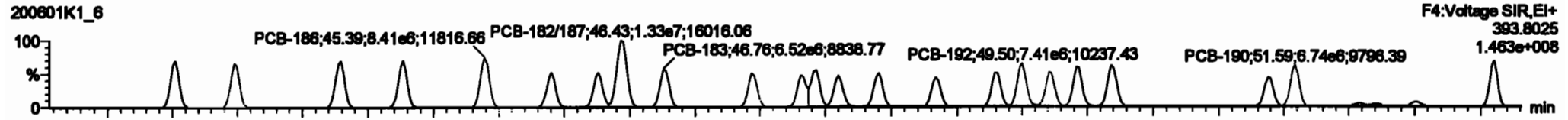
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

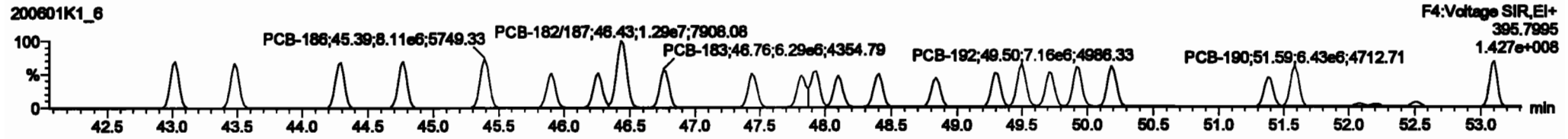
Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2811, Description: PCB 209 CS5 19G2811

**PCB-188**

200601K1\_6

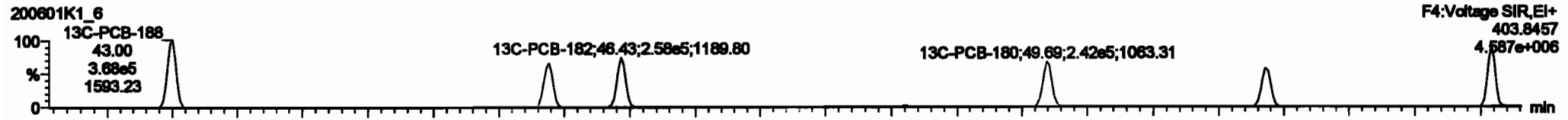


200601K1\_6

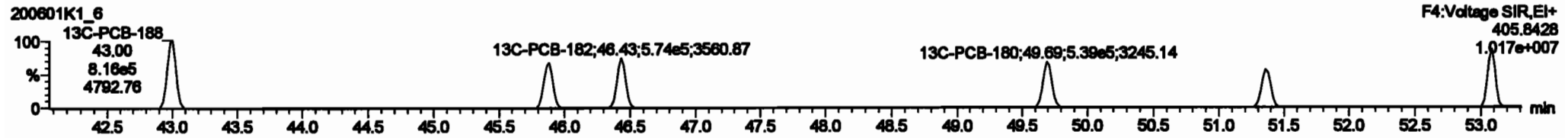


**13C-PCB-188**

200601K1\_6

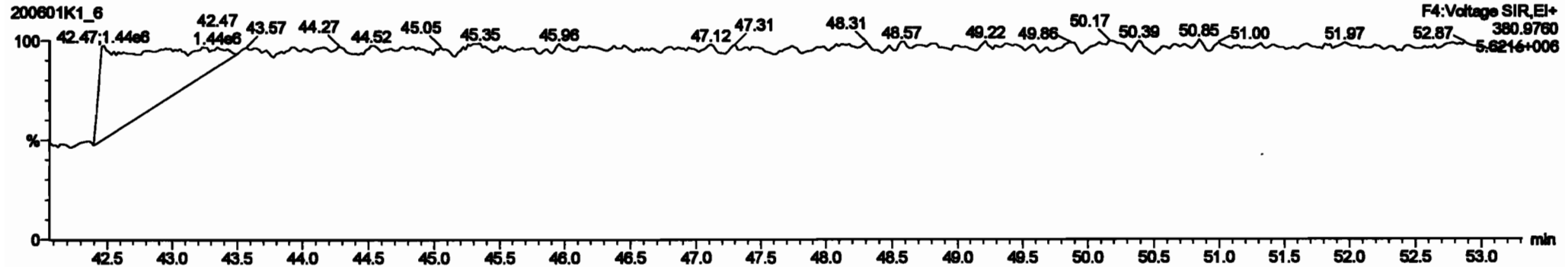


200601K1\_6



**PFK4c**

200601K1\_6



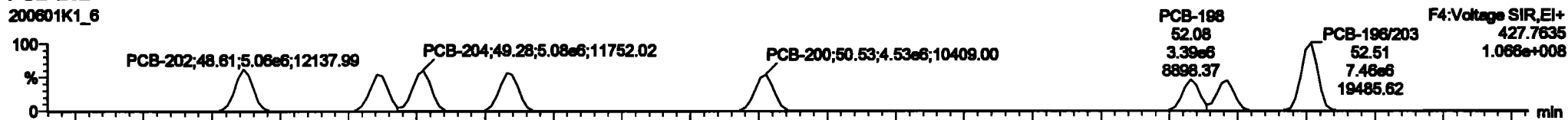
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

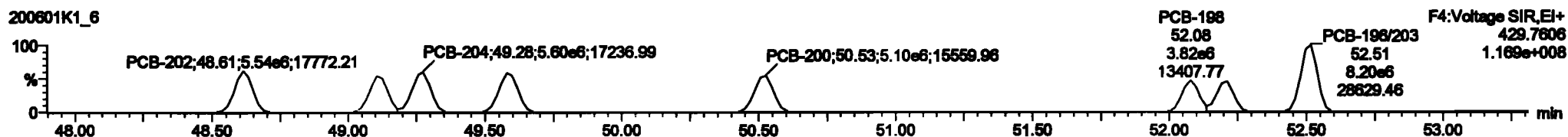
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**PCB-202**

200601K1\_6

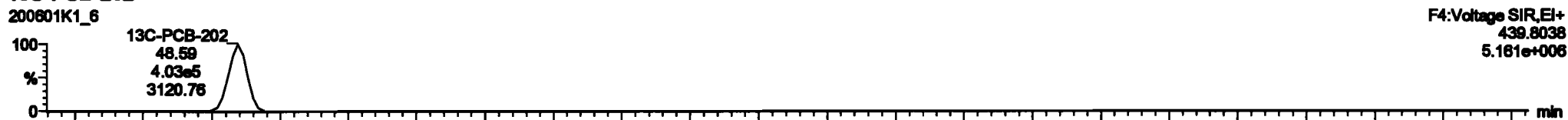


200601K1\_6

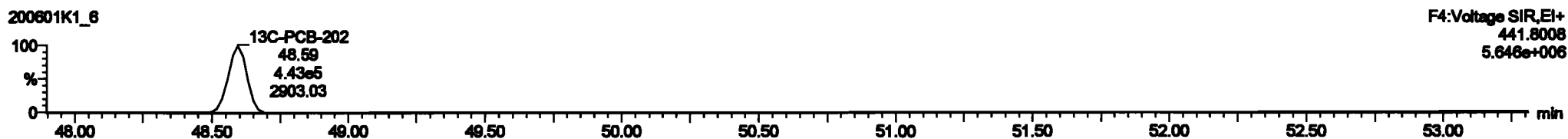


**13C-PCB-202**

200601K1\_6

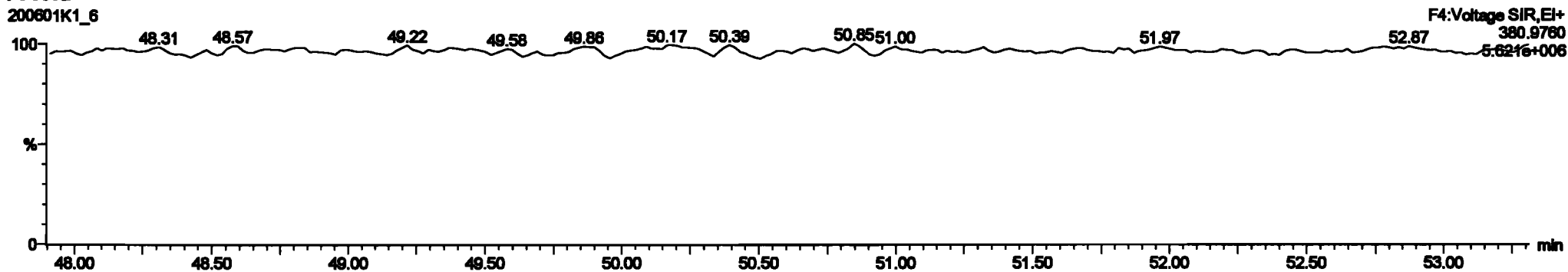


200601K1\_6



**PFK4d**

200601K1\_6



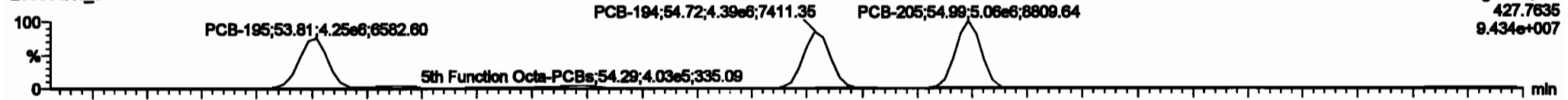
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Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

Name: 200601K1\_6, Date: 01-Jun-2020, Time: 17:21:13, ID: ST200601K1-6 PCB 209 CS5 19G2611, Description: PCB 209 CS5 19G2611

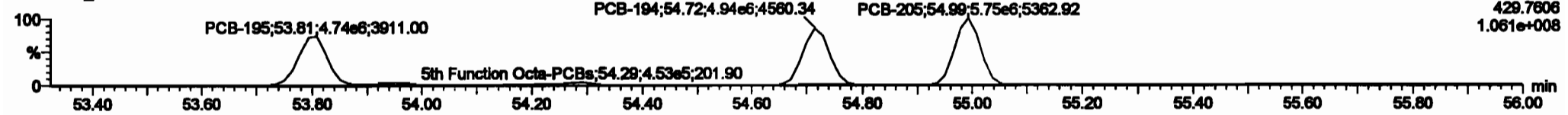
**PCB-195**

200601K1\_6



F5:Voltage SIR,EI+  
427.7635  
9.434e+007

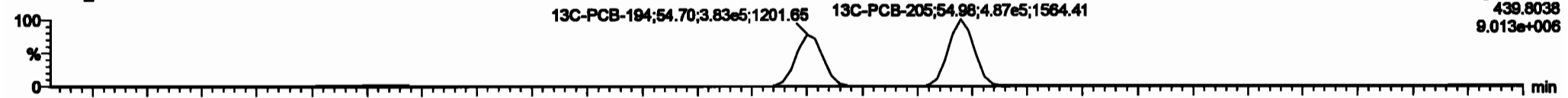
200601K1\_6



F5:Voltage SIR,EI+  
429.7606  
1.061e+008

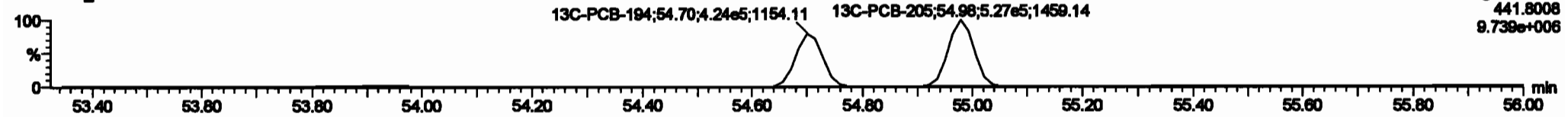
**13C-PCB-194**

200601K1\_6



F5:Voltage SIR,EI+  
439.8038  
9.013e+006

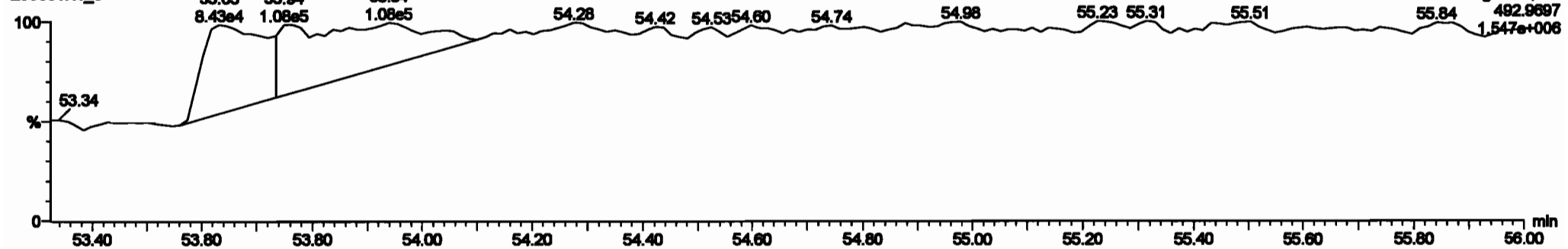
200601K1\_6



F5:Voltage SIR,EI+  
441.8008  
9.739e+006

**PFK5a**

200601K1\_6



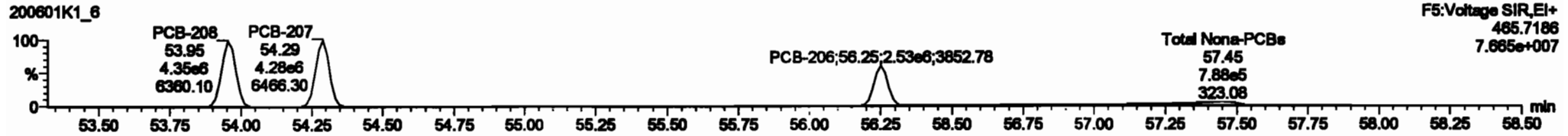
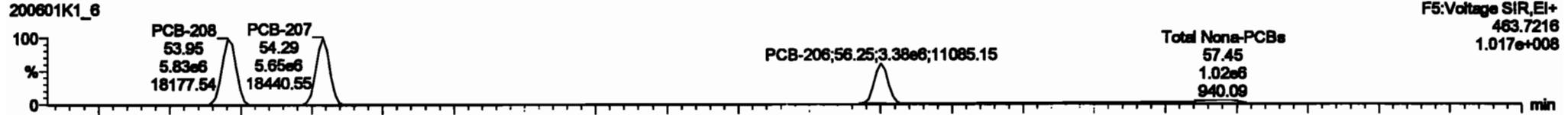
F5:Voltage SIR,EI+  
492.9697  
1.547e+006

Dataset: Untitled

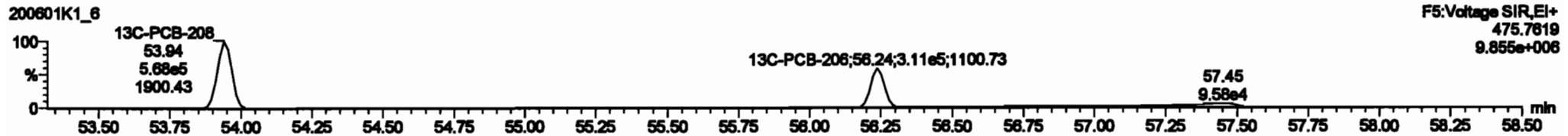
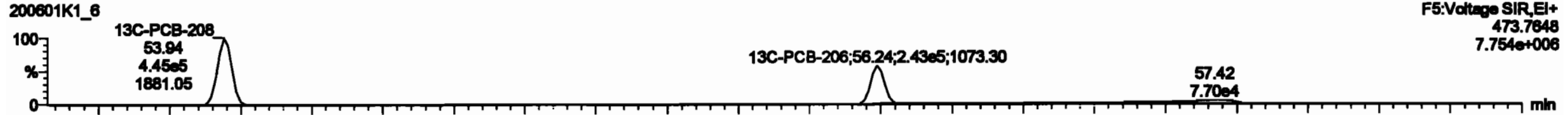
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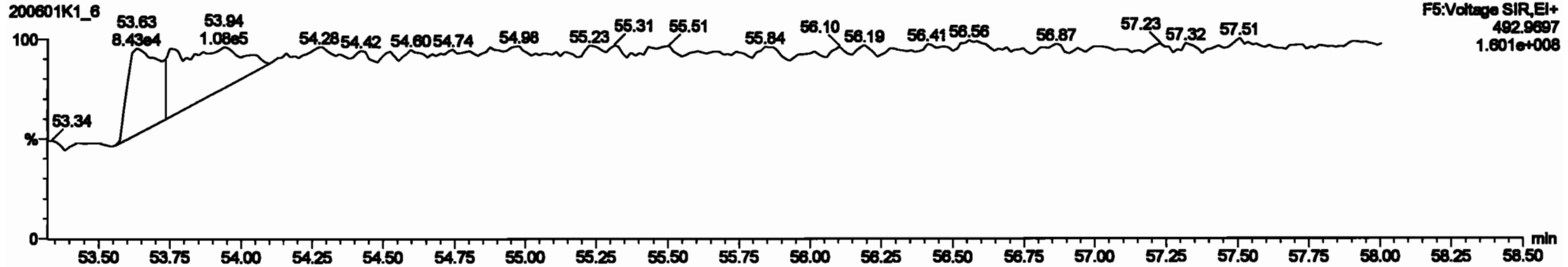
**PCB-208**



**13C-PCB-208**



**PFK5**



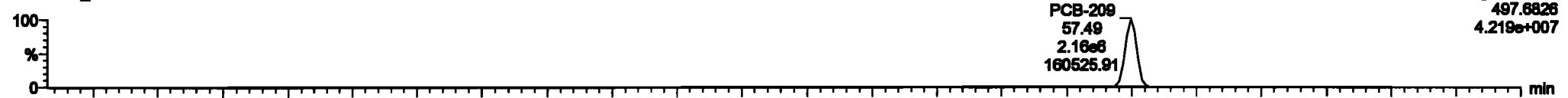
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

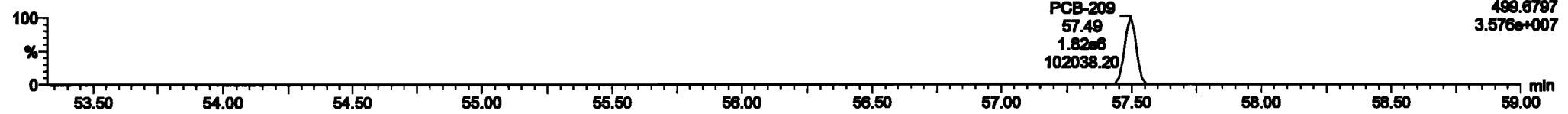
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**PCB-209**

200601K1\_6

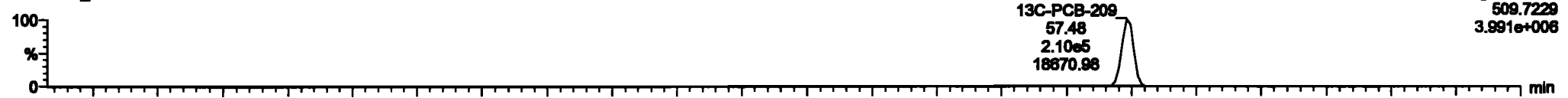


200601K1\_6

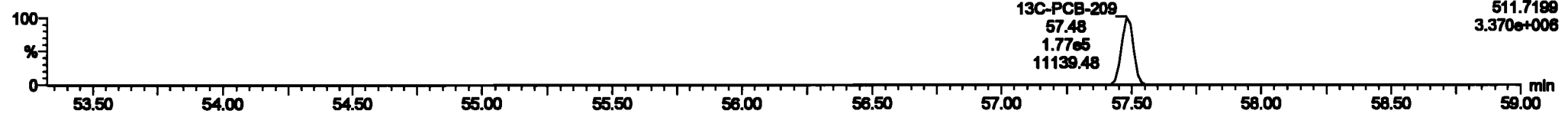


**13C-PCB-209**

200601K1\_6

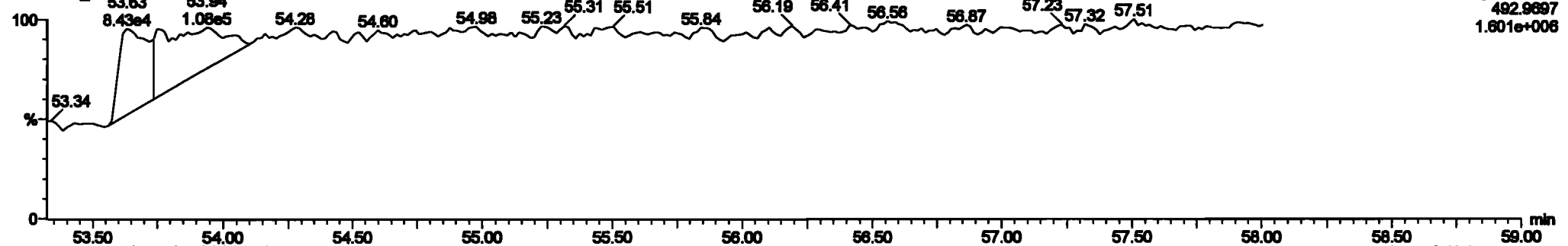


200601K1\_6



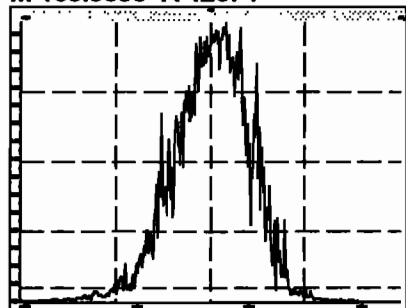
**PFK5b**

200601K1\_6

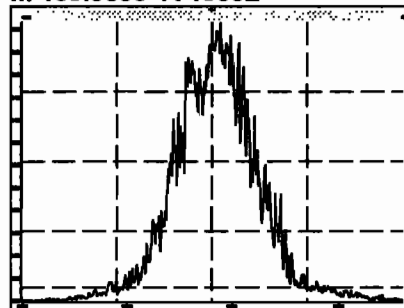


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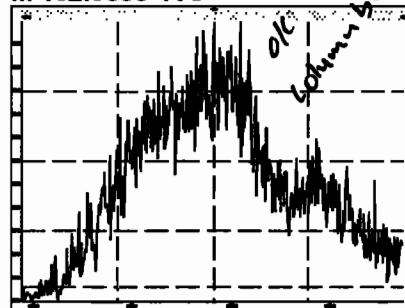
M 168.9888 R 12074



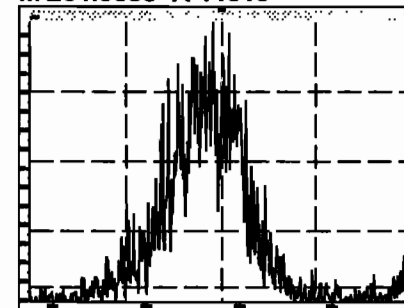
M 180.9888 R 10992



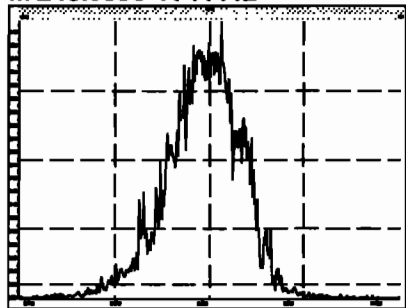
M 192.9888 R 0



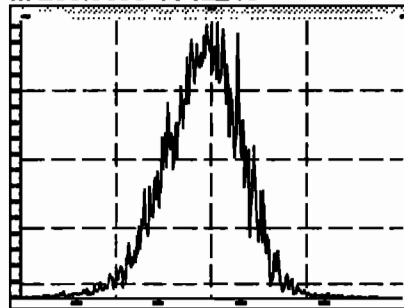
M 204.9888 R 14010



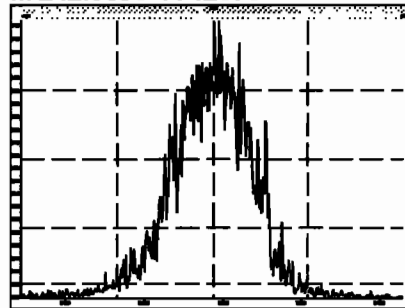
M 218.9856 R 11112



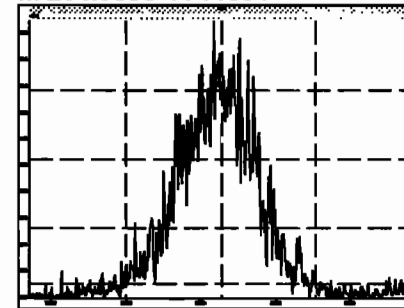
M 230.9856 R 12243



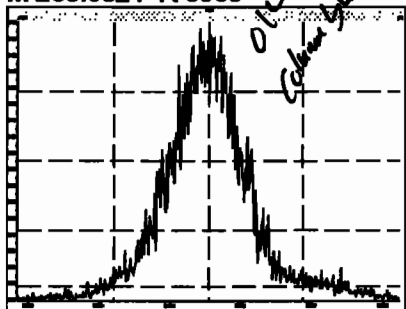
M 242.9856 R 12373



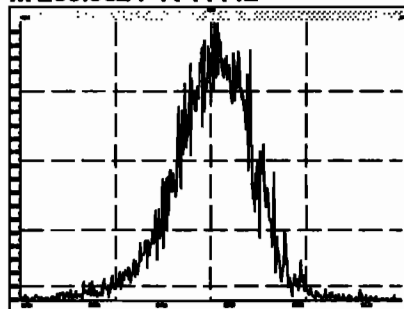
M 254.9856 R 11834



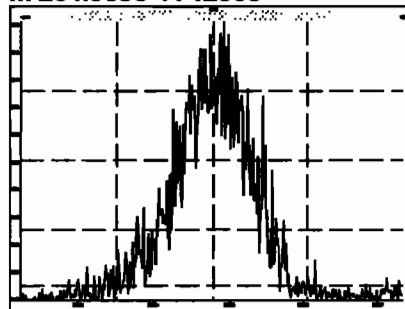
M 268.9824 R 9960



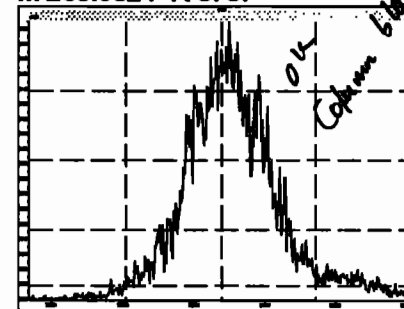
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M 254.9856 R 12563

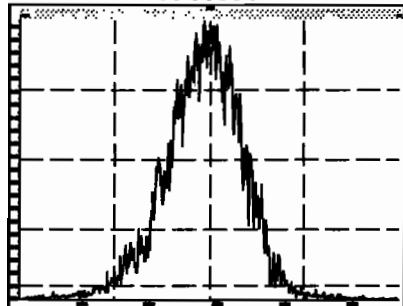


M 268.9824 R 8787

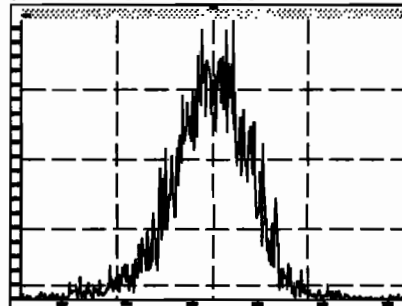




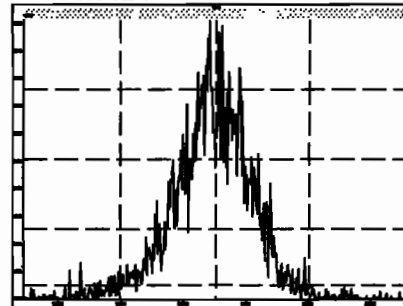
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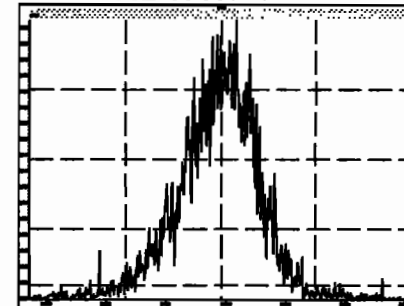
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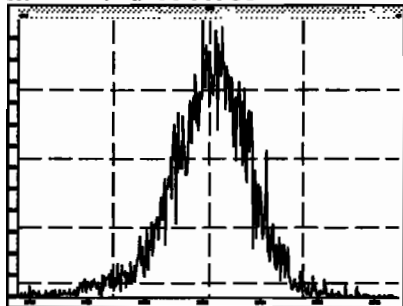
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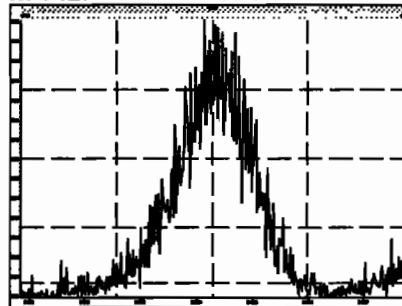
M 318.9792 R 11884



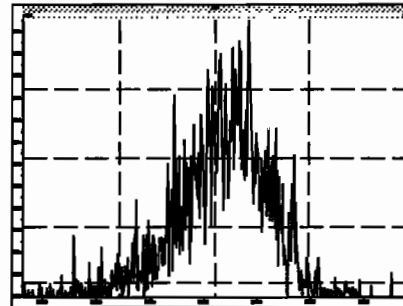
M 330.9792 R 11739



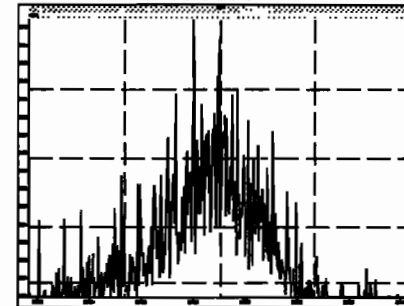
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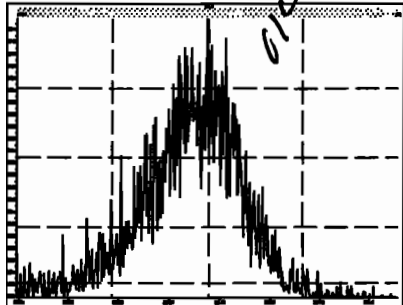
M 354.9792 R 12435



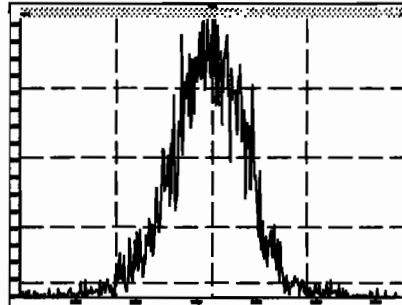
M 366.9792 R 14946



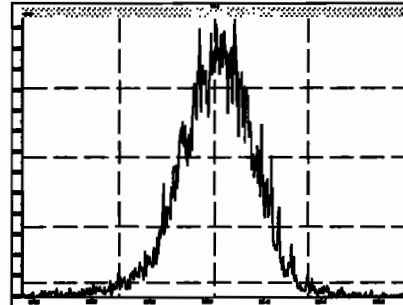
M 380.9760 R 9943



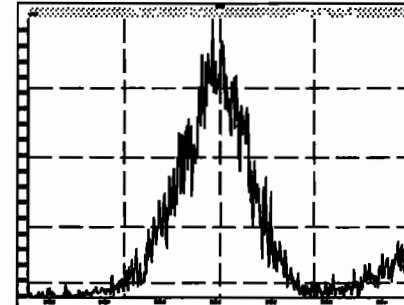
M 318.9792 R 12965



M 330.9792 R 11994

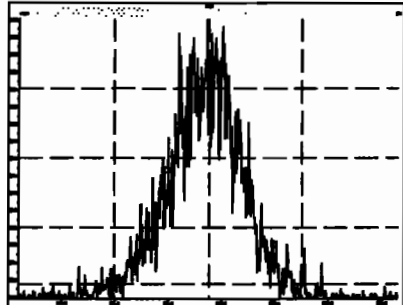


M 342.9792 R 12362

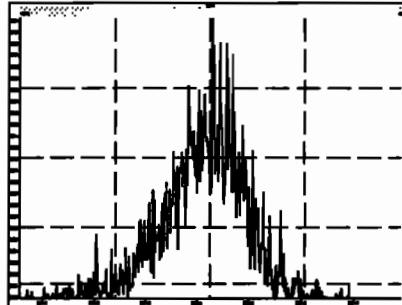


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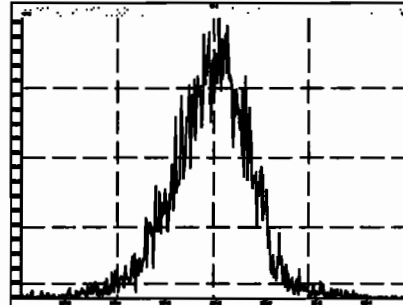
M 354.9792 R 12987



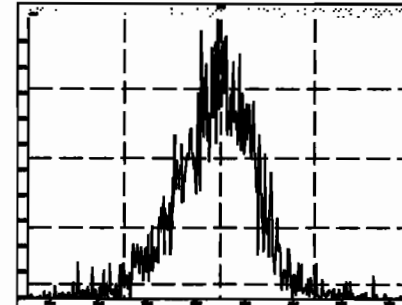
M 366.9792 R 13158



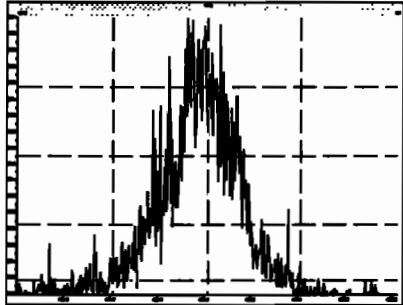
M 380.9760 R 12073



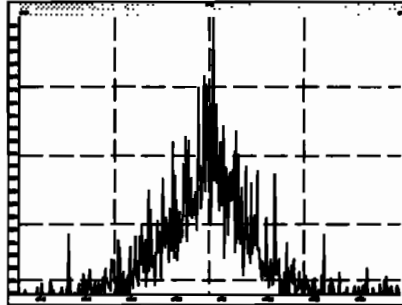
M 392.9760 R 12563



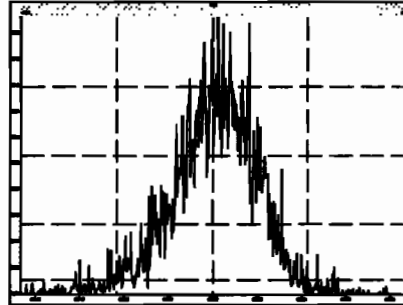
M 404.9760 R 12606



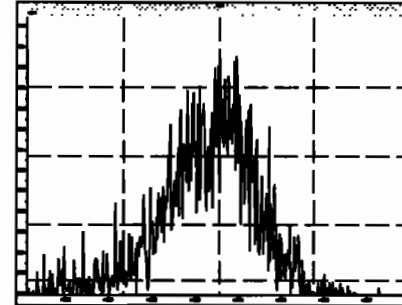
M 416.9760 R 14256



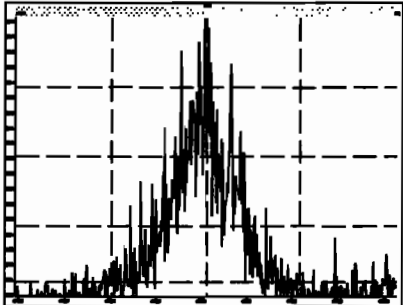
M 430.9728 R 12412



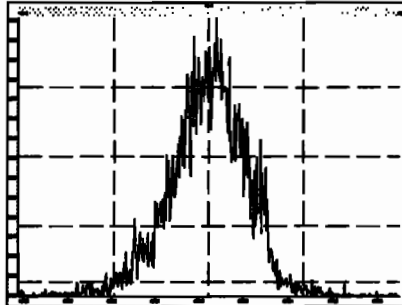
M 442.9728 R 13628



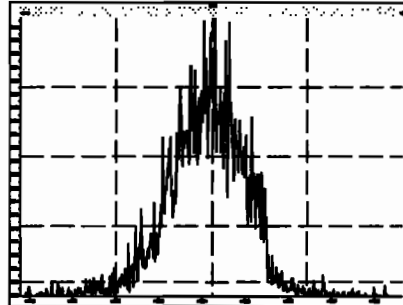
M 416.9760 R 17080



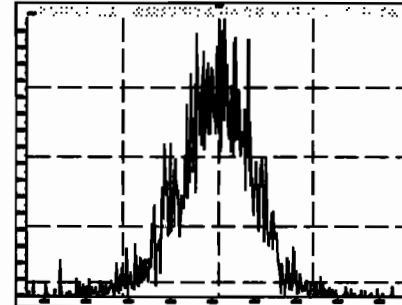
M 430.9728 R 12224



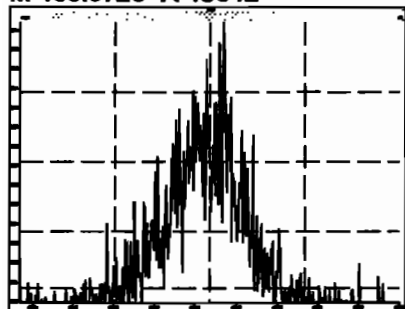
M 442.9728 R 13021



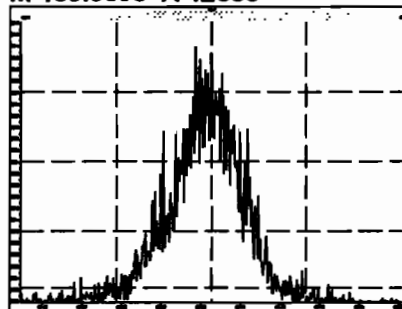
M 454.9728 R 14353



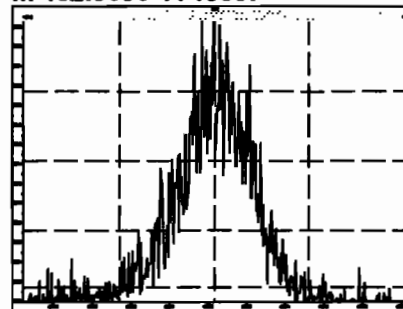
M 466.9728 R 15642



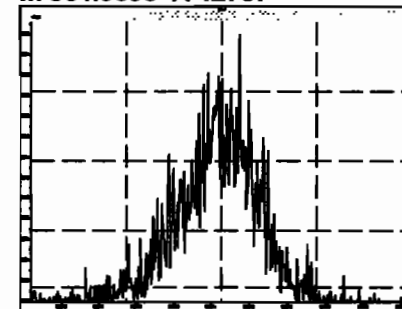
M 480.9696 R 12883



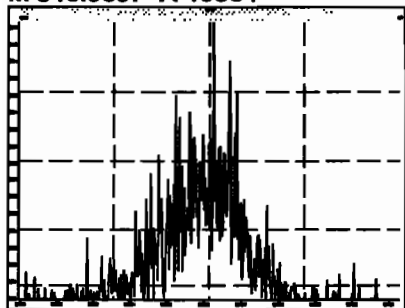
M 492.9696 R 13097



M 504.9696 R 12787



M 516.9697 R 19564



Dataset: U:\VG11.PRO\Results\200601K1\200601K1-7.qld

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*h 5.2.200*

*ET 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

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Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

#	Name	Resp	FA	n/y	RP	w/Vol	Prod/RT	RT	Prod/IR	FRT	Check/FRT	Comp	IR Bar	DI	EMPC
33	33 PCB-50			NO	0.880	1.000	28.83		1.044		YES		35-65	0.0265	
34	34 PCB-53			NO	0.997	1.000	29.50		0.944		YES			0.0295	
35	35 PCB-51			NO	1.07	1.000	29.85		0.955		YES			0.0276	
36	36 PCB-45			NO	0.858	1.000	30.30		0.989		YES			0.0342	
37	37 PCB-46			NO	0.831	1.000	30.80		0.985		YES			0.0354	
38	38 PCB-52/69	6.95e5	0.76	NO	1.17	1.000	31.30	31.28	1.001	1.001	NO	46.22		0.0252	46.22
39	39 PCB-73			NO	1.44	1.000	31.41		1.005		YES			0.0204	
40	40 PCB-43/49	6.32e5	0.79	NO	1.02	1.000	31.59	31.60	1.010	1.011	NO	48.32		0.0289	48.32
41	41 PCB-47			NO	0.922	1.000	31.80		1.001		YES			0.0299	
42	42 PCB-48/75			NO	1.12	1.000	31.92		1.004		YES			0.0246	
43	43 PCB-65			NO	1.28	1.000	32.19		1.013		YES			0.0215	
44	44 PCB-62			NO	1.13	1.000	32.29		1.016		YES			0.0244	
45	45 PCB-44	5.42e5	0.76	NO	0.824	1.000	32.62	32.62	1.026	1.028	NO	47.17		0.0334	47.17
46	46 PCB-42/59			NO	1.05	1.000	32.85		1.033		YES			0.0262	
47	47 PCB-41/64/71/72			NO	1.19	1.000	33.47		1.053		YES			0.0232	
48	48 PCB-68			NO	1.28	1.000	33.72		1.061		YES			0.0215	
49	49 PCB-40			NO	0.602	1.000	33.95		1.068		YES			0.0457	
50	50 PCB-57	8.11e5	0.77	NO	1.16	1.000	34.32	34.32	0.989	0.969	NO	43.84		0.0211	43.84
51	51 PCB-67			NO	1.08	1.000	34.63		0.978		YES			0.0226	
52	52 PCB-58			NO	1.20	1.000	34.74		0.981		YES			0.0204	
53	53 PCB-63			NO	1.07	1.000	34.91		0.986		YES			0.0229	
54	54 PCB-74	8.49e5	0.79	NO	1.19	1.000	35.22	35.21	0.994	0.994	NO	45.03		0.0207	45.03
55	55 PCB-61/70	8.69e5	0.77	NO	1.05	1.000	35.43	35.43	1.000	1.001	NO	51.83		0.0233	51.83
56	56 PCB-76/66	8.24e5	0.78	NO	1.16	1.000	35.62	35.66	1.006	1.007	NO	44.47		0.0211	44.47
57	57 PCB-80			NO	1.19	1.000	35.86		1.001		YES			0.0204	
58	58 PCB-55			NO	1.17	1.000	36.20		1.010		YES			0.0207	
59	59 PCB-56/60			NO	1.02	1.000	36.70		1.024		YES			0.0238	
60	60 PCB-79	8.18e5	0.79	NO	1.14	1.000	37.80	37.81	1.055	1.055	NO	44.49		0.0213	44.49
61	61 PCB-78	7.39e5	0.78	NO	1.14	1.000	38.52	38.52	0.987	0.987	NO	42.34		0.0232	42.34
62	62 PCB-81	8.37e5	0.77	NO	1.05	1.000	39.06	39.08	1.000	1.000	NO	52.15		0.0252	52.15
63	63 PCB-77	7.93e5	0.78	NO	1.14	1.000	39.68	39.68	1.000	1.000	NO	48.37		0.0237	46.37
64	64 PCB-104	6.77e5	1.57	NO	1.12	1.000	32.47	32.47	1.001	1.001	NO	54.51		0.0255	54.51
65	65 PCB-96			NO	1.15	1.000	33.78		1.041		YES			0.0248	
66	66 PCB-103			NO	0.936	1.000	34.32		1.058		YES			0.0305	
67	67 PCB-100			NO	0.954	1.000	34.69		1.089		YES			0.0300	
68	68 PCB-94			NO	0.949	1.000	35.21		0.985		YES			0.0390	

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Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

#	Name	Resp	RA	NY	RFP	Wt/Fac	Prod.RT	RT	Prod.LI	RRT	Check.RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	4.83e5	1.58	NO	1.20	1.000	35.69	35.75	0.999	1.001	NO	46.51	46.5	0.0307	46.51
70	70 PCB-93			NO	0.935	1.000	35.81		1.002		YES			0.0396	
71	71 PCB-88/91			NO	1.06	1.000	36.16		1.012		YES			0.0347	
72	72 PCB-121			NO	1.71	1.000	36.25		1.015		YES			0.0218	
73	73 PCB-84/92			NO	1.02	1.000	37.10		0.990		YES			0.0377	
74	74 PCB-89			NO	1.11	1.000	37.27		0.995		YES			0.0347	
75	75 PCB-90/101	5.13e5	1.81	NO	1.12	1.000	37.48	37.50	1.000	1.001	NO	54.10		0.0342	54.10
76	76 PCB-113			NO	1.51	1.000	37.72		1.007		YES			0.0253	
77	77 PCB-99	5.21e5	1.60	NO	1.32	1.000	37.81	37.83	1.009	1.010	NO	46.70		0.0290	46.70
78	78 PCB-119			NO	1.81	1.000	38.32		0.987		YES			0.0246	
79	79 PCB-108/112			NO	1.44	1.000	38.47		0.991		YES			0.0308	
80	80 PCB-83			NO	1.83	1.000	38.63		0.995		YES			0.0243	
81	81 PCB-97			NO	1.28	1.000	38.84		1.000		YES			0.0347	
82	82 PCB-86			NO	1.12	1.000	39.01		1.005		YES			0.0398	
83	83 PCB-87/117/125	4.49e5	1.58	NO	1.56	1.000	39.14	39.14	1.008	1.008	NO	38.66	38.7	0.0285	38.66
84	84 PCB-111/115	6.30e5	1.58	NO	1.91	1.000	39.29	39.28	1.012	1.012	NO	44.26		0.0233	44.26
85	85 PCB-85/116			NO	1.41	1.000	39.42		1.015		YES			0.0315	
86	86 PCB-120			NO	2.01	1.000	39.68		1.022		YES			0.0222	
87	87 PCB-110	6.19e5	1.57	NO	1.74	1.000	39.83	39.81	1.026	1.025	NO	47.71		0.0255	47.71
88	88 PCB-82			NO	0.781	1.000	40.48		0.976		YES			0.0410	
89	89 PCB-124			NO	1.40	1.000	41.17		0.993		YES			0.0229	
90	90 PCB-107/109			NO	1.34	1.000	41.31		0.996		YES			0.0239	
91	91 PCB-123	6.07e5	1.57	NO	1.20	1.000	41.48	41.48	1.000	1.000	NO	50.39		0.0267	50.39
92	92 PCB-106/118	6.56e5	1.60	NO	1.22	1.000	41.69	41.67	1.001	1.000	NO	51.95		0.0255	51.95
93	93 PCB-114	6.19e5	1.52	NO	1.14	1.000	42.34	42.34	1.000	1.000	NO	43.57		0.0294	43.57
94	94 PCB-122			NO	0.944	1.000	42.49		1.004		YES			0.0355	
95	95 PCB-105	6.38e5	1.56	NO	1.05	1.000	43.23	43.23	1.000	1.000	NO	47.30		0.0310	47.30
96	96 PCB-127			NO	1.06	1.000	43.57		1.000		YES			0.0310	
97	97 PCB-128	7.05e5	1.58	NO	1.17	1.000	45.54	45.54	1.000	1.000	NO	48.02		0.0296	48.02
98	98 PCB-155	4.07e5	1.28	NO	1.04	1.000	37.01	37.01	1.000	1.001	NO	56.82		0.0303	56.82
99	99 PCB-150			NO	1.08	1.000	38.33		1.036		YES			0.0292	
100	1... PCB-152			NO	1.19	1.000	38.82		1.049		YES			0.0266	
101	1... PCB-145			NO	1.19	1.000	39.29		1.062		YES			0.0266	
102	1... PCB-136			NO	1.02	1.000	39.82		1.071		YES			0.0309	
103	1... PCB-148			NO	0.842	1.000	39.73		1.074		YES			0.0375	
104	1... PCB-154			NO	0.919	1.000	40.23		1.067		YES			0.0344	

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	48.69	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	46.43	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	

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	FA	ny	RRF	u/ucl	PreclRT	RT	PreclR	RRT	Check RRT	Comp	ND	DI	EMPC
141	1... PCB-174	4.07e5	1.04	NO	1.35	1.000	47.82	47.82	0.962	0.962	NO	48.49	75-65	0.0809	48.49
142	1... PCB-181			NO	1.47	1.000	47.91		0.964		YES			0.0743	
143	1... PCB-177			NO	1.28	1.000	48.10		0.968		YES			0.0857	
144	1... PCB-171			NO	1.32	1.000	48.38		0.974		YES			0.0832	
145	1... PCB-173			NO	1.19	1.000	48.84		0.963		YES			0.0921	
146	1... PCB-172			NO	1.38	1.000	49.29		0.992		YES			0.0797	
147	1... PCB-192			NO	1.83	1.000	49.48		0.996		YES			0.0800	
148	1... PCB-180	4.72e5	1.03	NO	1.41	1.000	49.71	49.71	1.000	1.000	NO	53.98		0.0776	53.98
149	1... PCB-193			NO	1.68	1.000	49.92		1.005		YES			0.0653	
150	1... PCB-191			NO	1.71	1.000	50.18		1.010		YES			0.0641	
151	1... PCB-170	3.70e5	1.03	NO	1.40	1.000	51.38	51.38	1.000	1.000	NO	49.87		0.0889	49.87
152	1... PCB-190			NO	1.85	1.000	51.56		1.004		YES			0.0673	
153	1... PCB-189	4.84e5	1.02	NO	1.45	1.000	53.10	53.10	1.000	1.000	NO	48.57		0.0563	48.57
154	1... PCB-202	4.00e5	0.90	NO	1.17	1.000	48.63	48.61	1.001	1.000	NO	48.62		0.0325	48.62
155	1... PCB-201			NO	1.05	1.000	49.10		1.010		YES			0.0361	
156	1... PCB-204			NO	1.14	1.000	49.26		1.014		YES			0.0333	
157	1... PCB-197			NO	1.13	1.000	49.58		1.020		YES			0.0335	
158	1... PCB-200	3.56e5	0.90	NO	1.07	1.000	50.51	50.53	1.039	1.040	NO	47.30		0.0355	47.30
159	1... PCB-198			NO	0.794	1.000	52.08		1.072		YES			0.0478	
160	1... PCB-199			NO	0.809	1.000	52.19		1.074		YES			0.0469	
161	1... PCB-196/203	2.68e5	0.89	NO	0.838	1.000	52.52	52.51	1.081	1.081	NO	45.47		0.0453	45.47
162	1... PCB-195	3.17e5	0.91	NO	1.04	1.000	53.80	53.81	0.964	0.964	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	41	0.0103	52.18
169	1... 13C-PCB-1	2.21e6	3.38	NO	0.893	1.000	15.52	15.52	0.608	0.608	NO	101.9	102	0.0672	
170	1... 13C-PCB-3	2.27e6	3.33	NO	0.911	1.000	18.17	18.17	0.712	0.712	NO	102.6	103	0.0859	
171	1... 13C-PCB-4	1.48e6	1.57	NO	0.600	1.000	19.52	19.53	0.765	0.785	NO	101.3	101	0.0291	
172	1... 13C-PCB-9	2.39e6	1.58	NO	0.970	1.000	21.35	21.35	0.836	0.836	NO	101.7	102	0.0180	
173	1... 13C-PCB-11	2.32e6	1.58	NO	0.962	1.000	24.79	24.80	0.971	0.972	NO	99.61	99.6	0.0182	
174	1... 13C-PCB-19	1.24e6	1.04	NO	0.499	1.000	23.76	23.76	0.931	0.931	NO	102.7	103	0.414	
175	1... 13C-PCB-32	1.82e6	1.03	NO	0.744	1.000	26.75	26.76	1.048	1.048	NO	100.7	101	0.278	
176	1... 13C-PCB-28	2.08e6	1.02	NO	1.08	1.000	28.77	28.77	1.004	1.004	NO	99.64	99.6	0.289	



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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	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	1.081	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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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	

7-1201  
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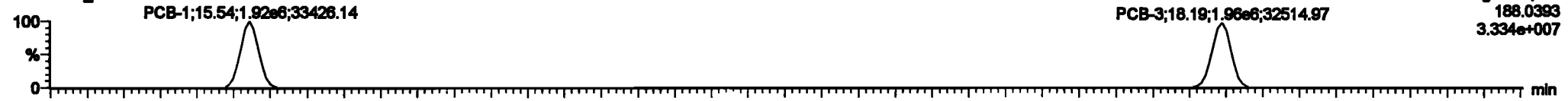
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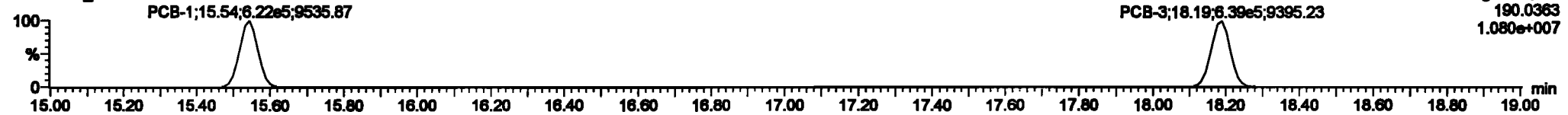
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200601K1\_7



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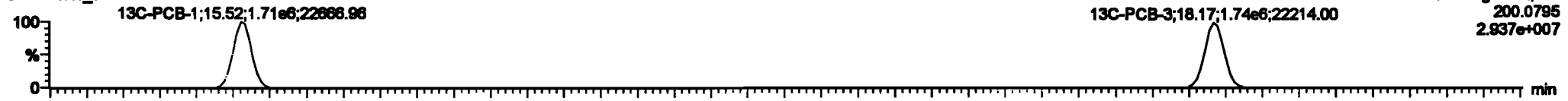
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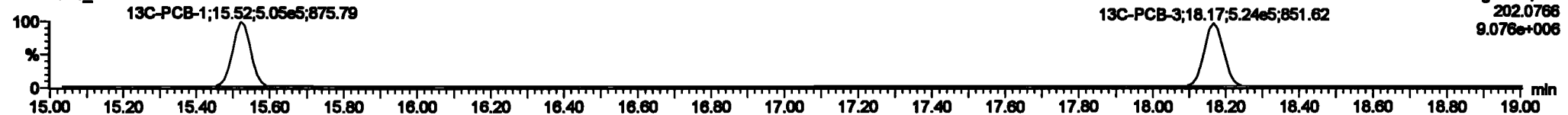
**13C-PCB-1**

200601K1\_7



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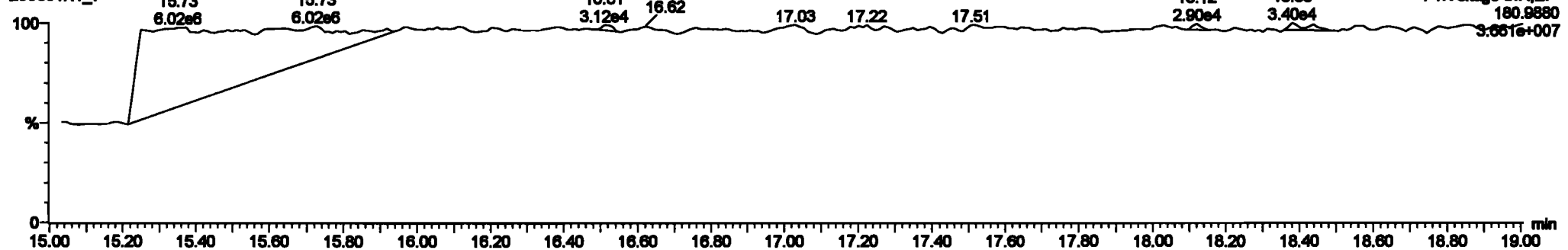
200601K1\_7



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**PFK1**

200601K1\_7



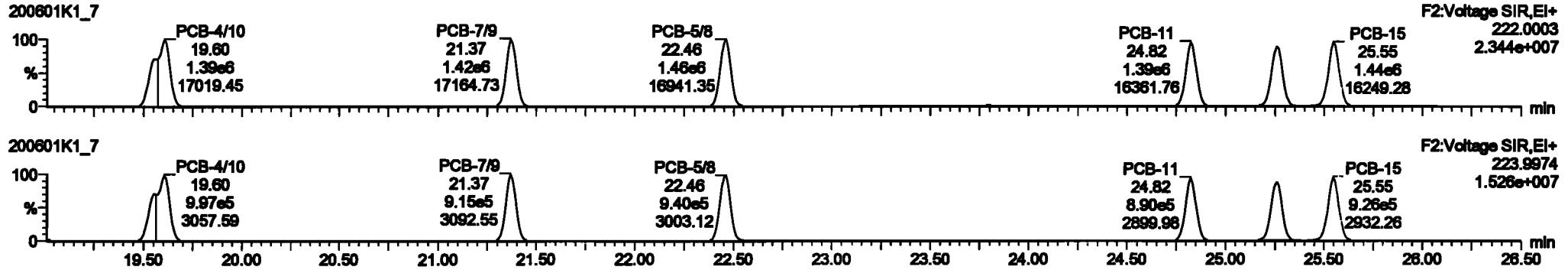
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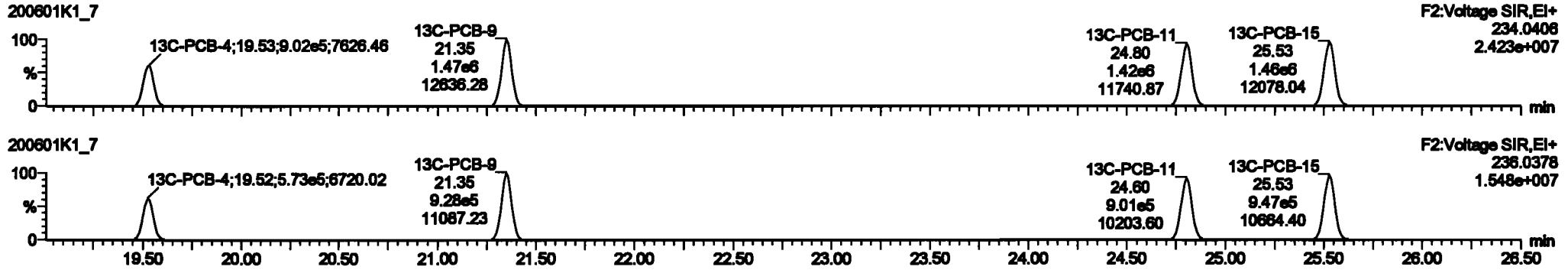
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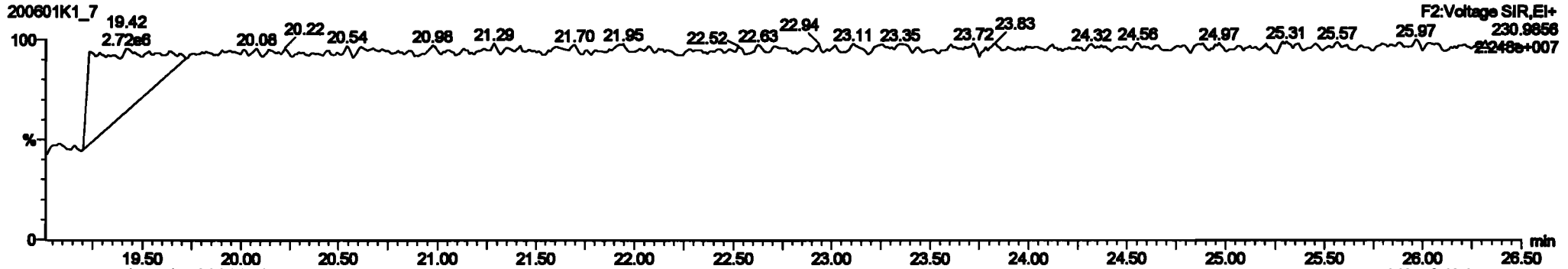
**PCB-4/10**



**13C-PCB-4**

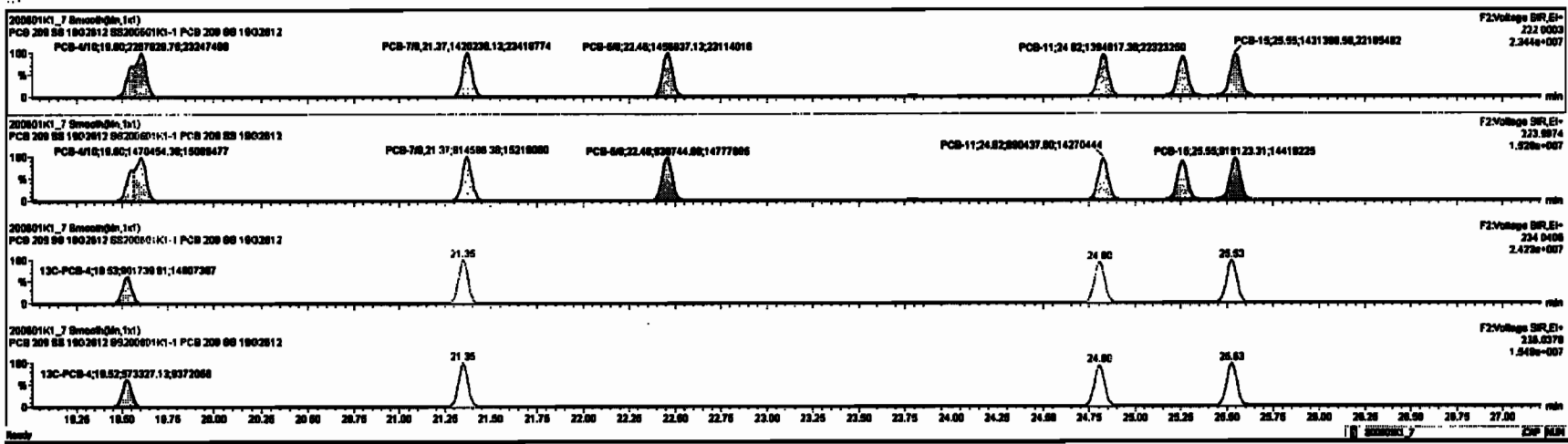


**PFK2a**



#	Name	Area	RA	RI	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT
217	13C-PCB-128	0.25e6	1.27	NO	1.000	1.000	48.80	48.82	1.000	0.000	NO	100.0	100	0.120						
218	13C-PCB-162	0.72e6	0.47	NO	1.000	1.000	48.43	48.43	0.000	0.000	NO	100.0	100	0.122						
219	13C-PCB-205	7.79e6	0.90	NO	1.000	1.000	94.88	94.88	1.000	0.000	NO	100.0	100	0.148						
220	13C-PCB-76	1.70e6	0.76	NO	1.000	1.000	37.80	37.78	1.000	1.000	NO	100.0	100	0.0916						
221	13C-PCB-178	0.89e6	0.44	NO	0.7088	1.000	46.88	46.88	0.000	0.000	NO	100.2	100	0.126						
222	13C-PCB-76	1.70e6	0.76	NO	1.000	1.000	37.78	37.78	0.000	0.000	NO	102.7	100	0.0941						
223	13C-PCB-178	0.89e6	0.44	NO	1.0000	1.000	46.87	46.88	0.000	0.000	NO	100.0	100	0.131						
224	234 Total Mono-PCBs				1.1998	1.000	0.00	0.00	0.000	0.000	NO	100.0		0.0281	100.0					
225	234 Total Di-PCBs				0.7287	1.000	0.00	0.00	0.000	0.000	NO	100.0		0.0214	100.0					
226	234 Total Tri-PCBs				0.0000	1.000	0.00	0.00	0.000	0.000	NO	100.0		0.0000	100.0					
227	234 Total Tetra-PCBs				1.0778	1.000	0.00	0.00	0.000	0.000	NO	993.1		0.010	993.1					

#	Name	Area	RA	RI	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT
4	PCB-418	18.81	18.80	2.28e6	1.67e6	1.000	1.00	NO	203.08	203.08										
5	PCB-76	21.41	21.37	1.42e6	0.14e6	1.000	1.00	NO	101.68	101.68										
6	PCB-68	22.48	22.48	1.45e6	0.26e6	1.000	1.00	NO	102.68	102.68										
7	PCB-11	24.82	24.82	1.26e6	0.80e6	1.000	1.00	NO	87.277	87.277										
8	PCB-1273	26.38	26.38	1.24e6	0.66e6	1.000	1.00	NO	82.774	82.774										
9	PCB-16	26.57	26.56	1.07e6	0.18e6	1.000	1.00	NO	87.713	87.713										



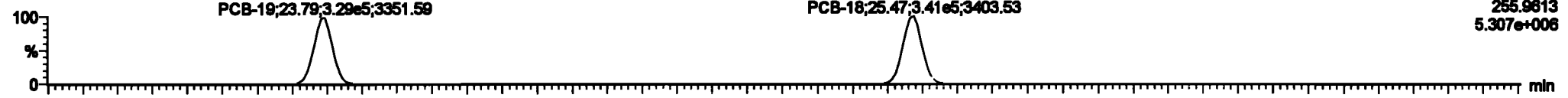
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Last Altered: Tuesday, June 02, 2020 10:33:30 Pacific Daylight Time  
Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

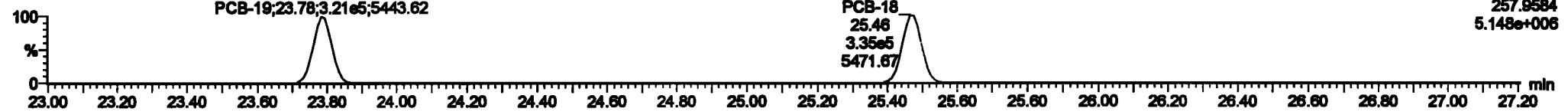
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PCB-19

200601K1\_7



200601K1\_7



13C-PCB-19

200601K1\_7

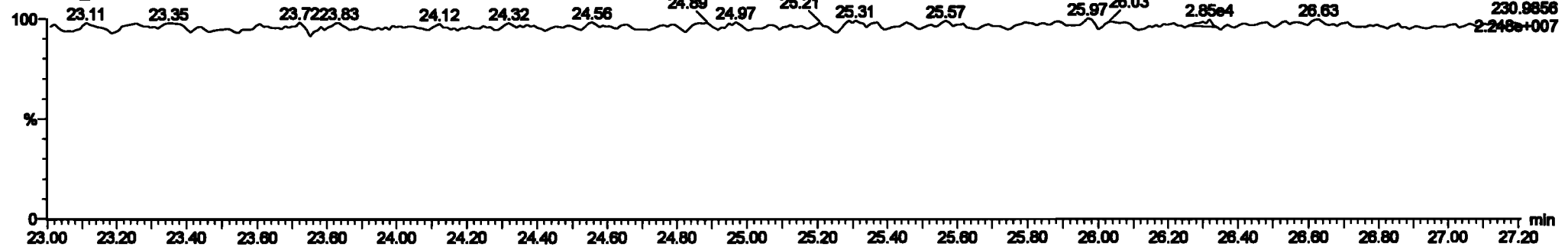


200601K1\_7



PFK2b

200601K1\_7



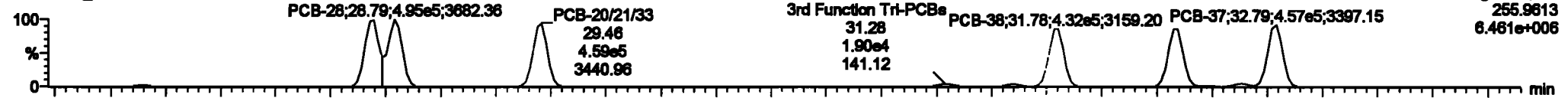
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

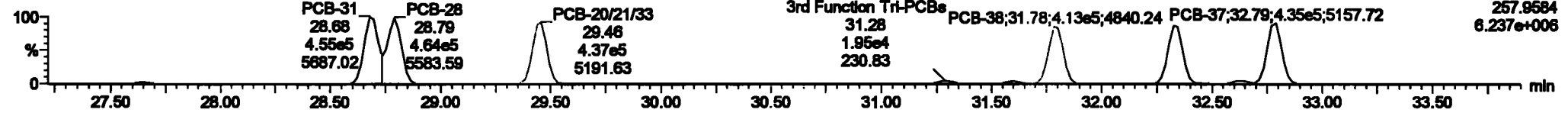
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PCB-34

200601K1\_7



200601K1\_7

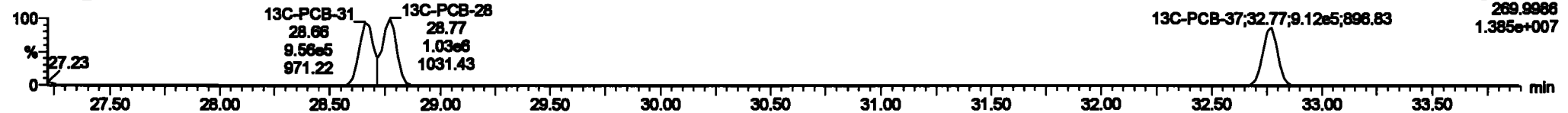


13C-PCB-28

200601K1\_7

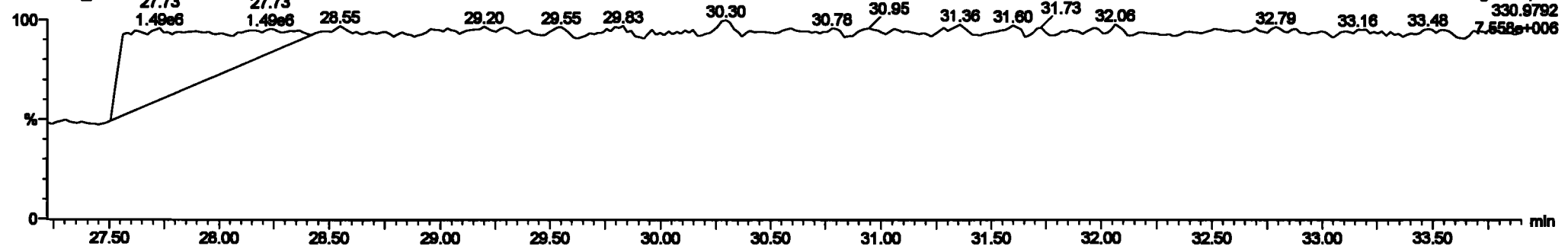


200601K1\_7



PFK3d

200601K1\_7

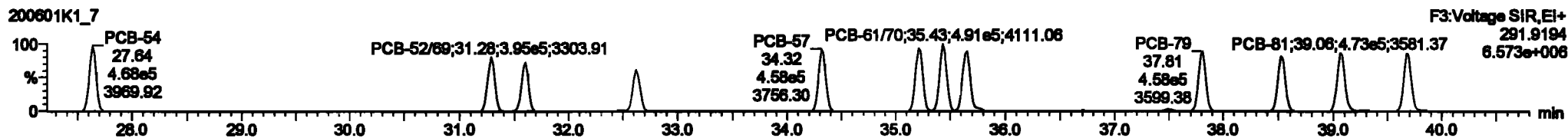
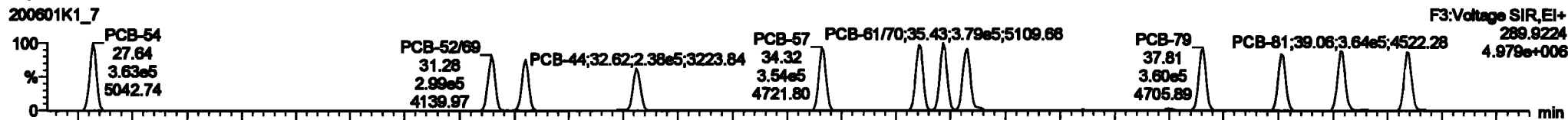


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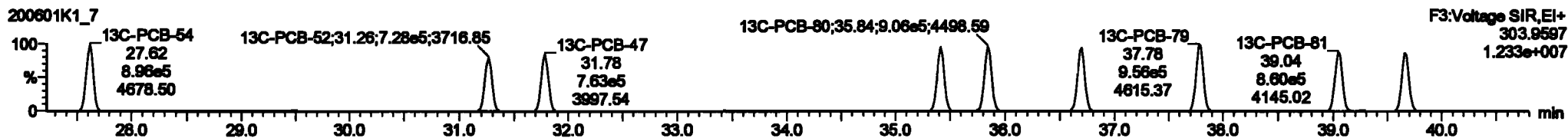
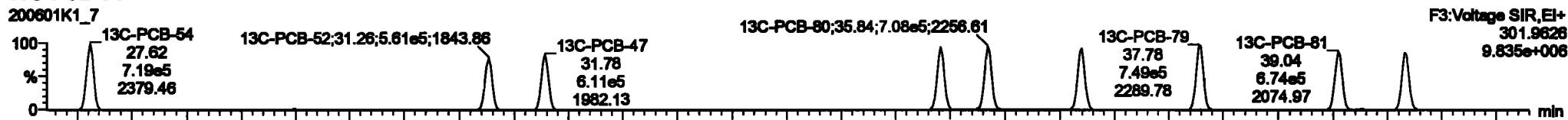
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Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

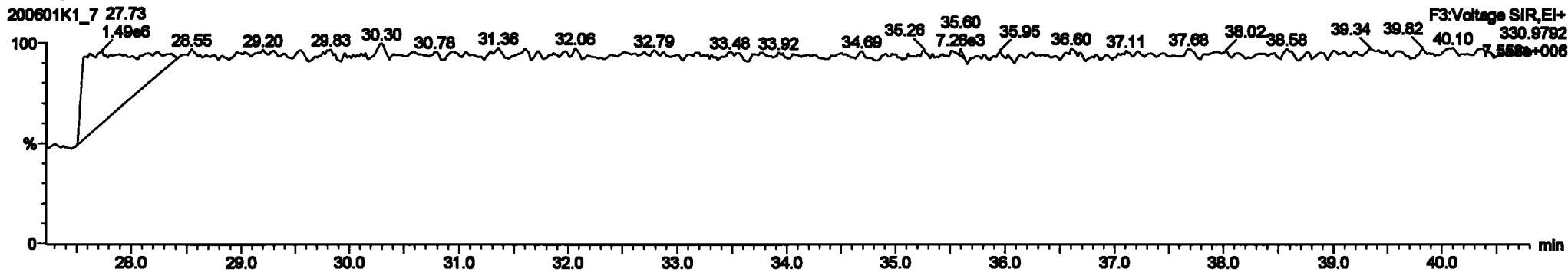
PCB-54



13C-PCB-54



PFK3a



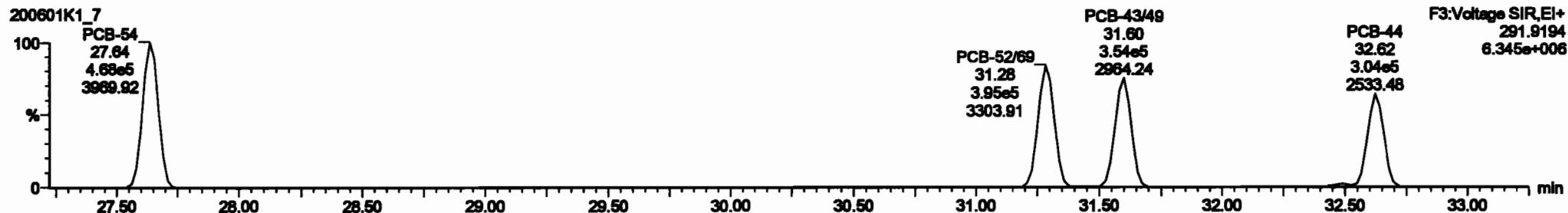


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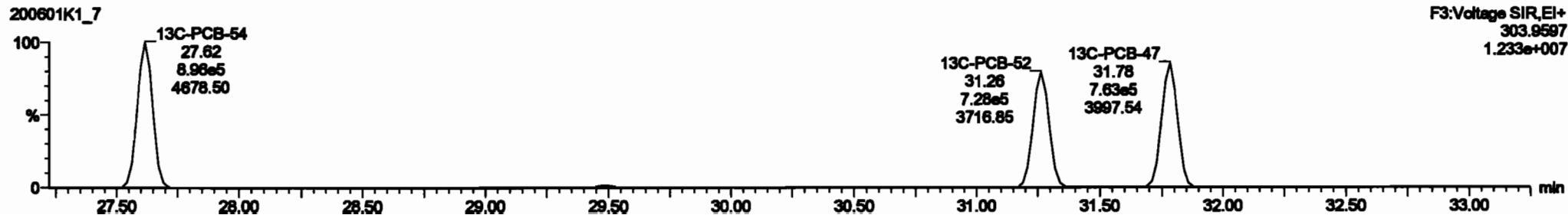
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Name: 200601K1\_7, Date: 01-Jun-2020, Time: 18:21:53, ID: SS200601K1-1 PCB 209 SS 19G2612, Description: PCB 209 SS 19G2612

**PCB-50**



**13C-PCB-52**



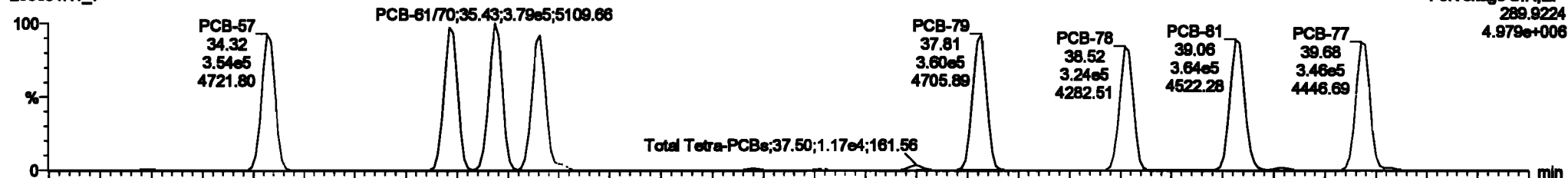
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

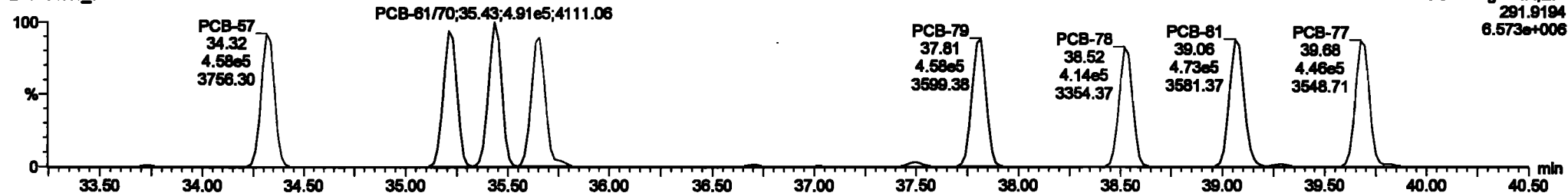
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**PCB-68**

200601K1\_7

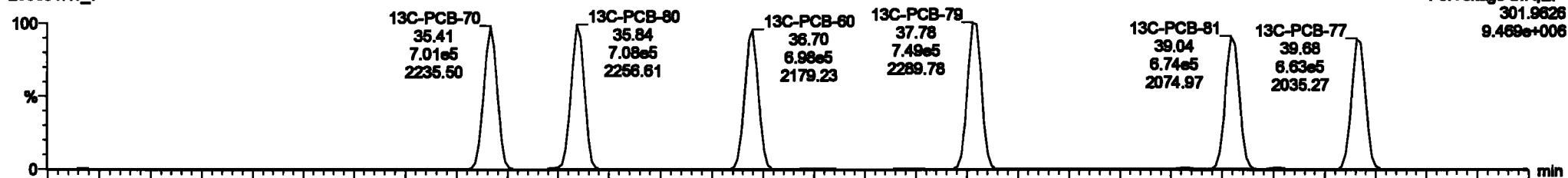


200601K1\_7

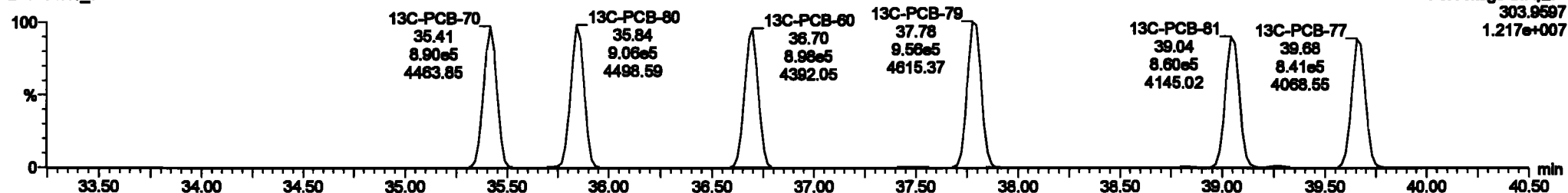


**13C-PCB-60**

200601K1\_7



200601K1\_7



#	Name	Step	BA	Qty	PreP	Reel	Prod.RT	RT	PreP.R.	RT	PreP.Pd	Comp.	DL	QTY
217	13C-PCB-138	0.88in	1.27	NO	1.0000	1.000	45.60	46.63	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	46.43	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-176	0.88in	0.44	NO	0.7000	1.000	45.80	45.80	0.000	0.000	NO	100.0	100	0.126
222	13C-PCB-78	1.70in	0.70	NO	1.0001	1.000	37.70	37.70	0.000	0.000	NO	100.7	100	0.0841
223	13C-PCB-176	0.88in	0.44	NO	1.0000	1.000	45.87	45.86	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	000.0		0.280 000.0
226	2nd Function TAPCBs				1.0000	1.000	0.00	0.000	0.000	0.000	NO	00.70		0.110 00.70
227	2nd Function TAPCBs				0.0000	1.000	0.00	0.000	0.000	0.000	NO	200.4		0.311 200.4
228	Total PCBs				4.0000	1.000	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	27.04	27.04	3.820in	4.880in	0.770	0.70	NO	47.874	47.874
2	PCB-6800	31.30	31.30	2.805in	3.891in	0.770	0.70	NO	48.220	48.220
3	PCB-4300	31.80	31.80	2.700in	3.520in	0.770	0.70	NO	48.317	48.317
4	PCB-44	32.00	32.00	2.570in	3.043in	0.770	0.70	NO	47.188	47.188
5	PCB-67	34.30	34.30	3.880in	4.977in	0.770	0.77	NO	43.838	43.838
6	PCB-74	35.20	35.21	3.730in	4.720in	0.770	0.70	NO	45.000	45.000
7	PCB-8100	35.43	35.43	3.700in	4.880in	0.770	0.77	NO	51.834	51.834
8	PCB-7000	35.62	35.60	3.891in	4.830in	0.770	0.70	NO	44.671	44.671



Dataset: Untitled

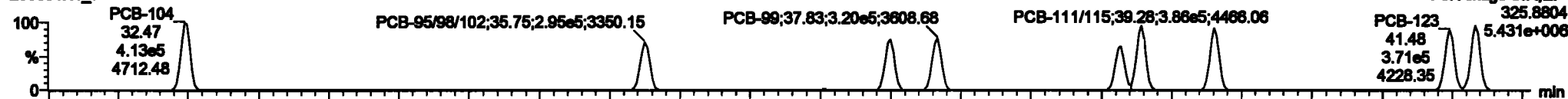
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

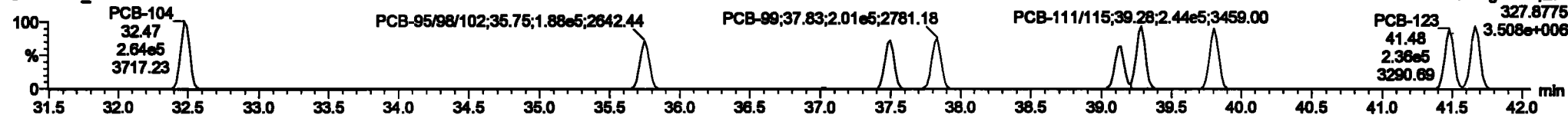
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**PCB-104**

200601K1\_7

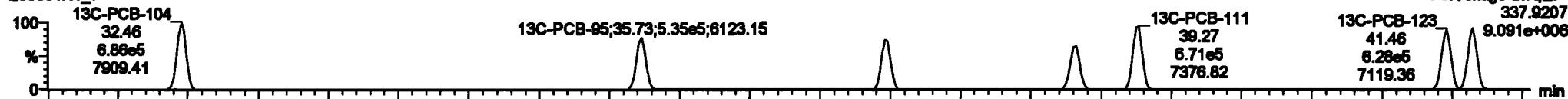


200601K1\_7

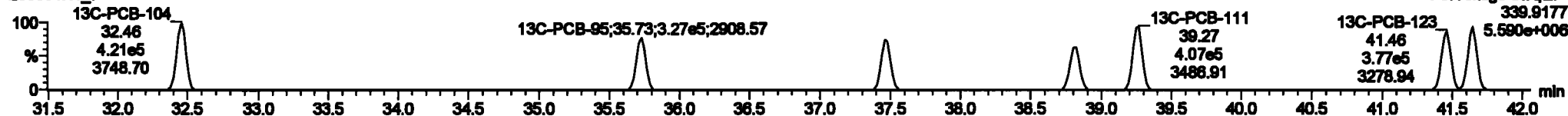


**13C-PCB-104**

200601K1\_7

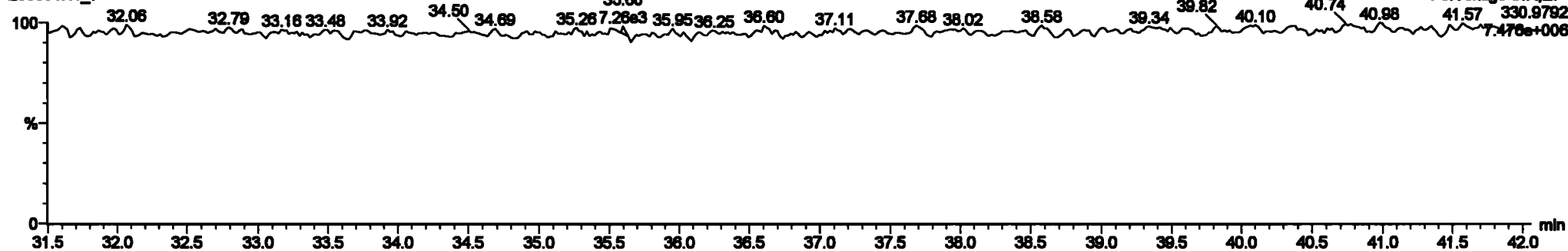


200601K1\_7



**PFK3b**

200601K1\_7



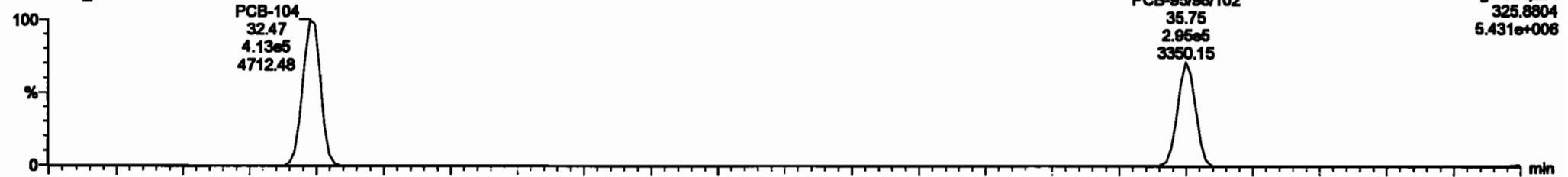
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

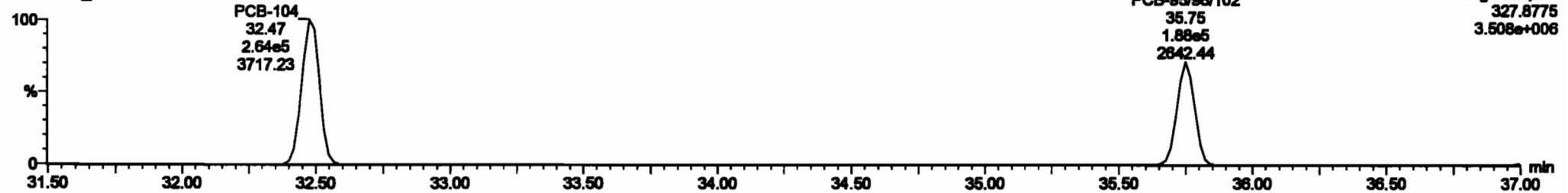
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**PCB-96**

200601K1\_7

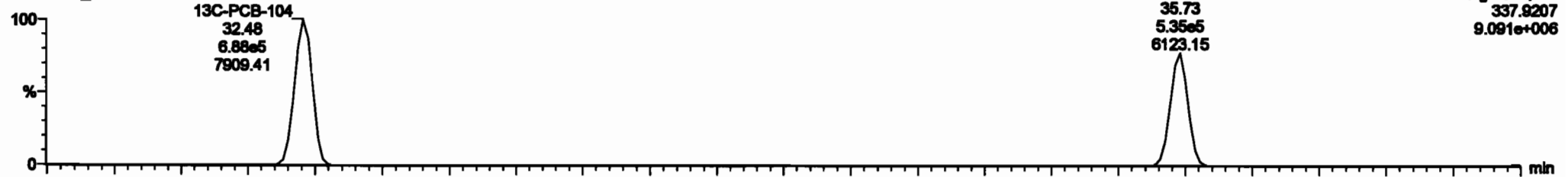


200601K1\_7

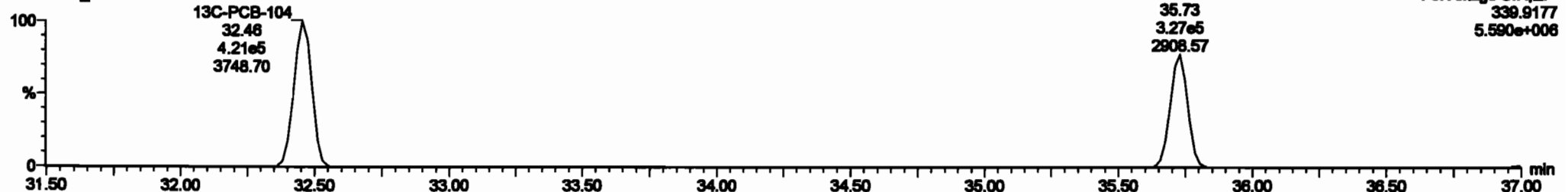


**13C-PCB-95**

200601K1\_7



200601K1\_7



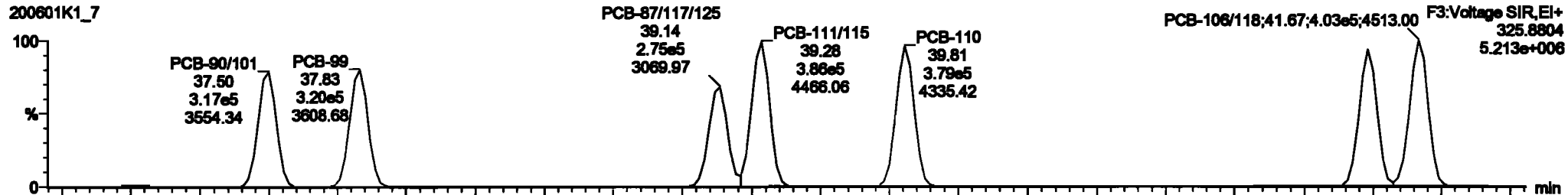
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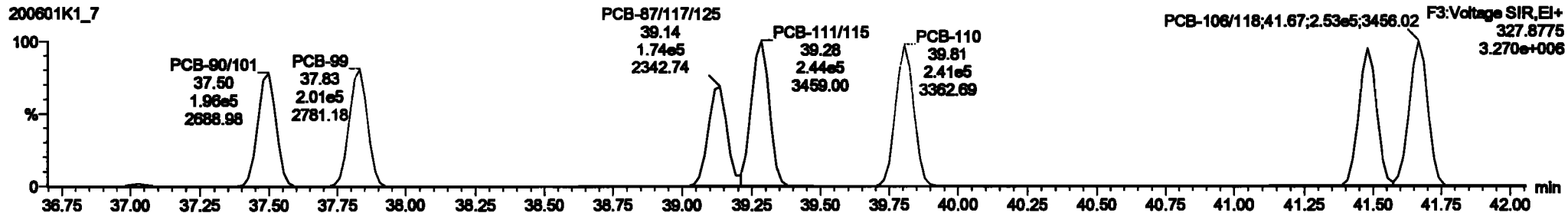
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PCB-119

200601K1\_7

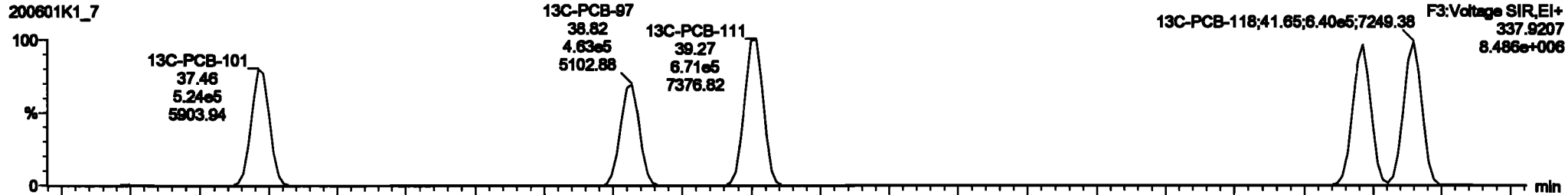


200601K1\_7

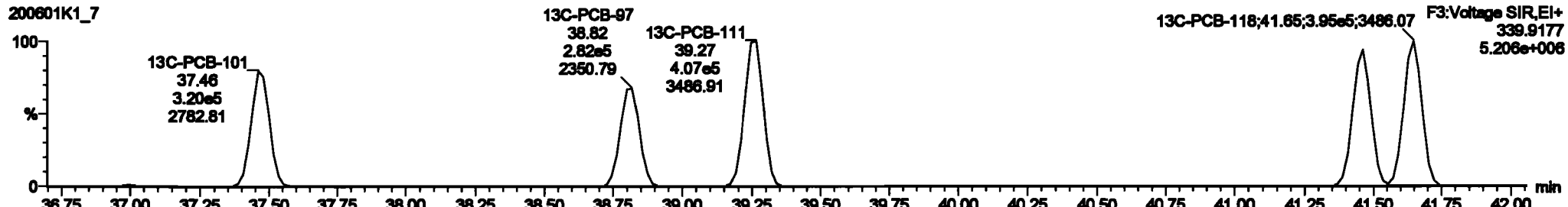


13C-PCB-111

200601K1\_7



200601K1\_7



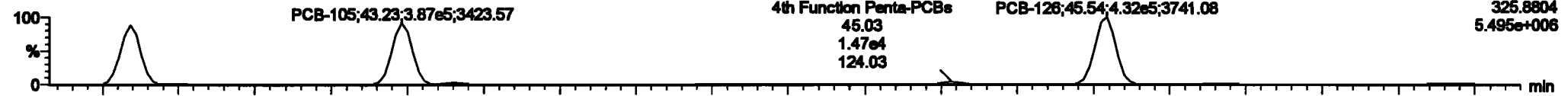
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

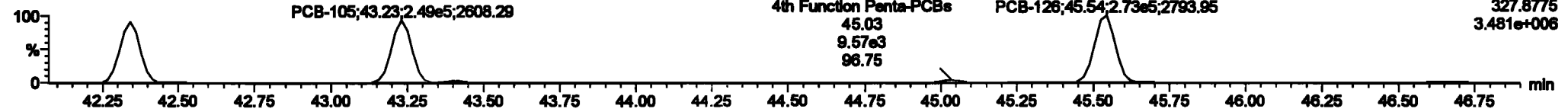
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**PCB-114**

200601K1\_7

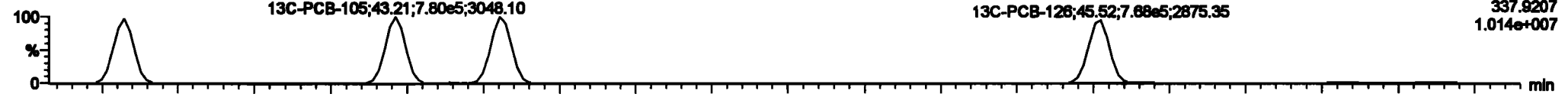


200601K1\_7

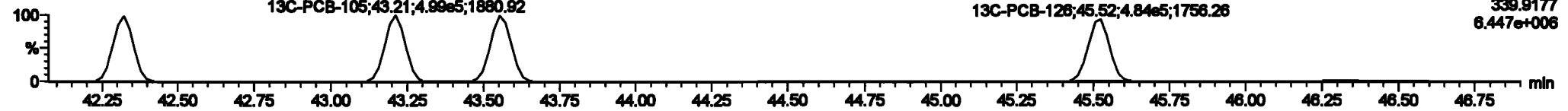


**13C-PCB-114**

200601K1\_7

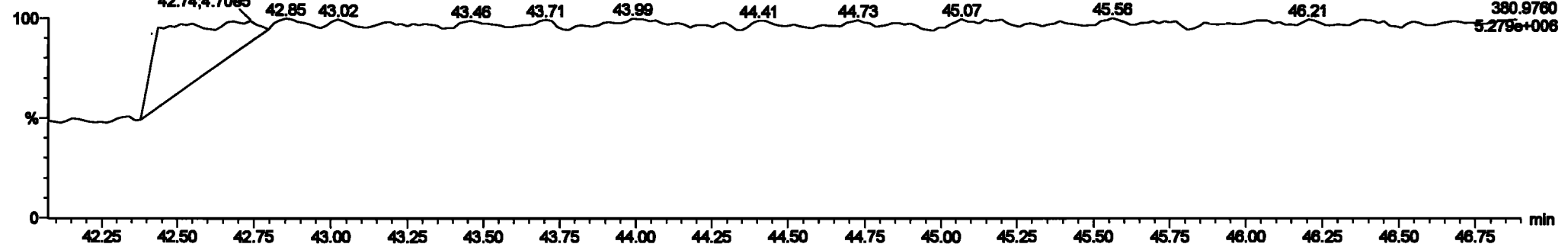


200601K1\_7



**PFK4a**

200601K1\_7



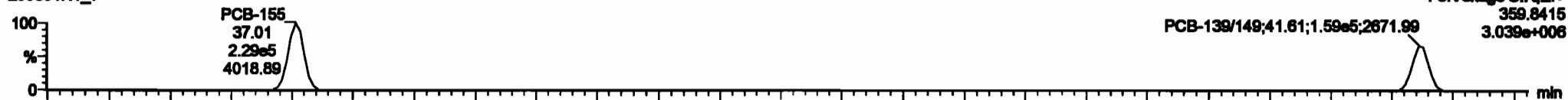
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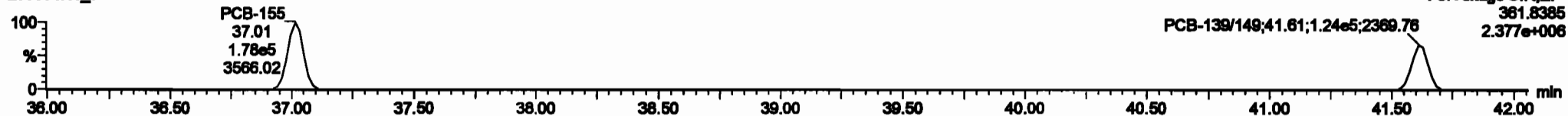
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**PCB-155**

200601K1\_7

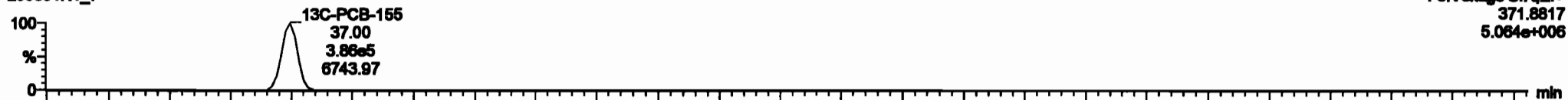


200601K1\_7

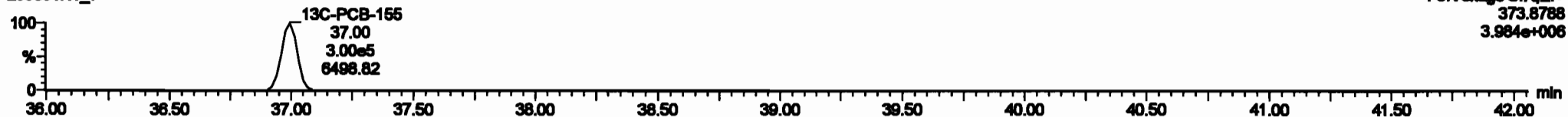


**13C-PCB-155**

200601K1\_7

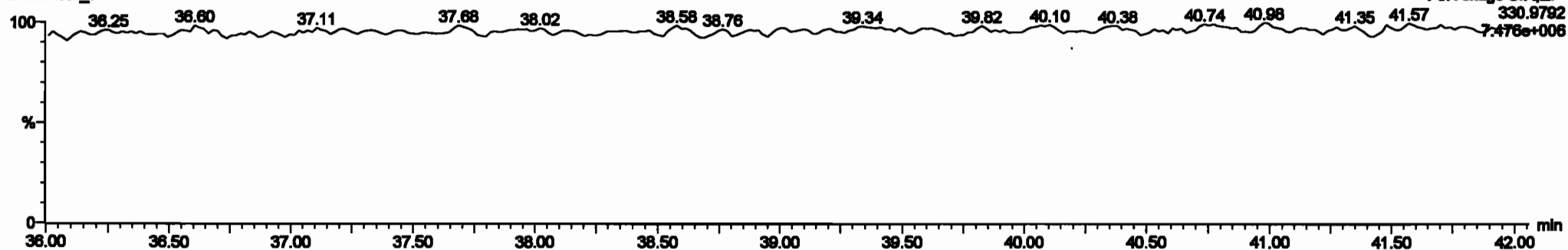


200601K1\_7



**PFK3c**

200601K1\_7



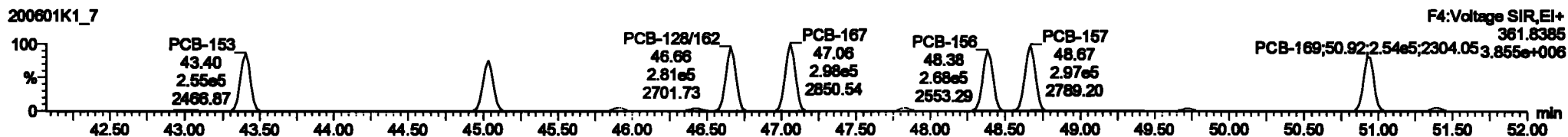
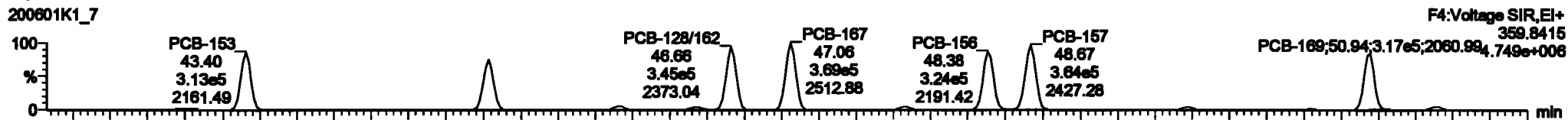


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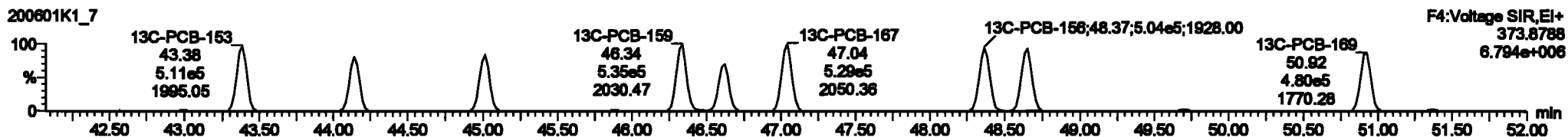
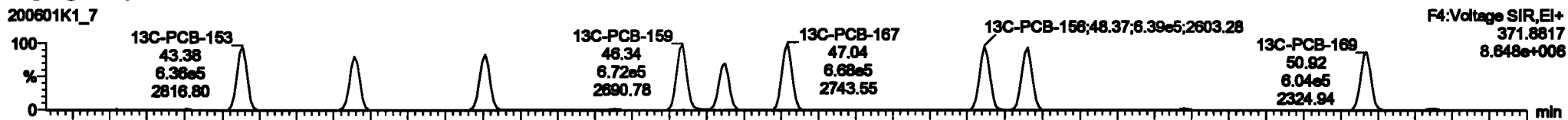
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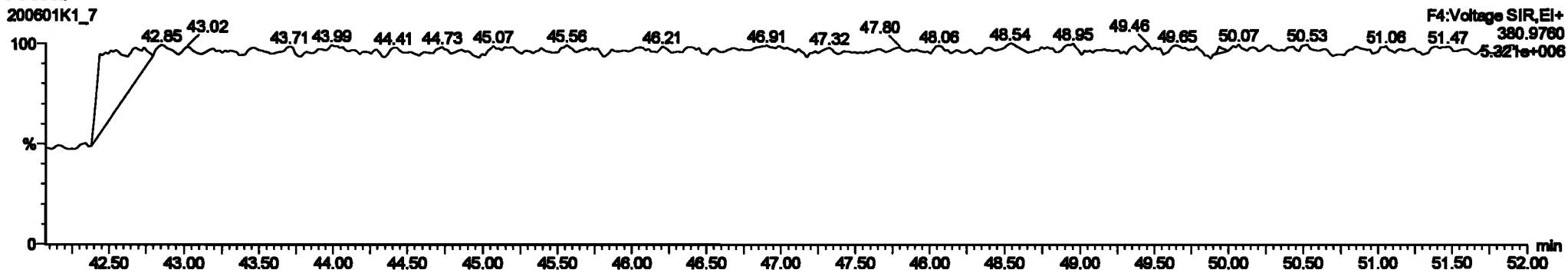
**PCB-134/143**



**13C-PCB-153**



**PFK4b**

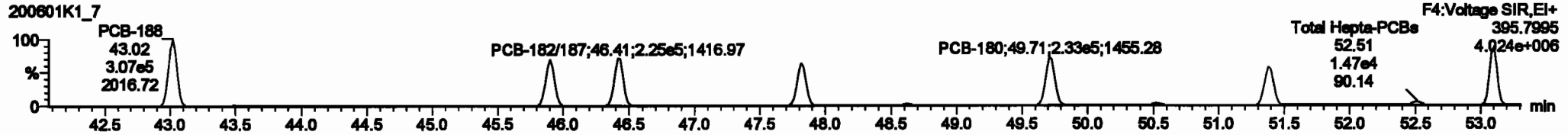
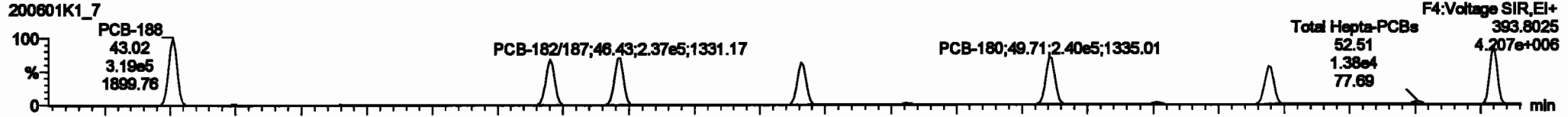


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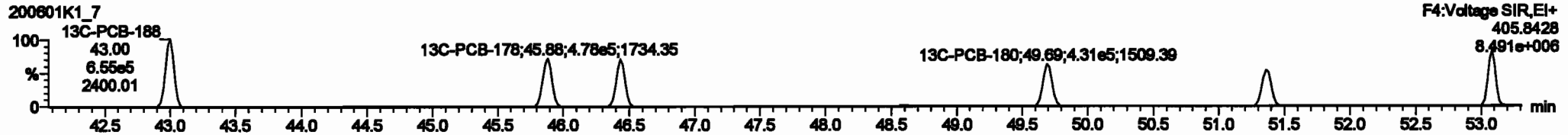
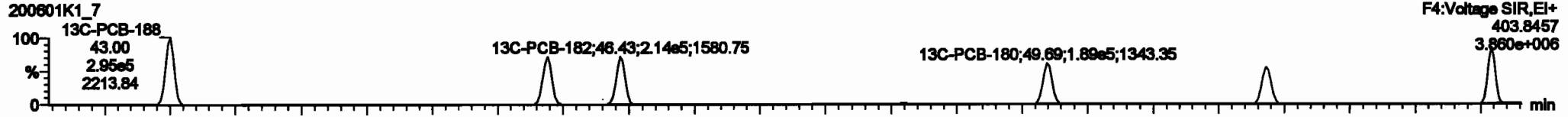
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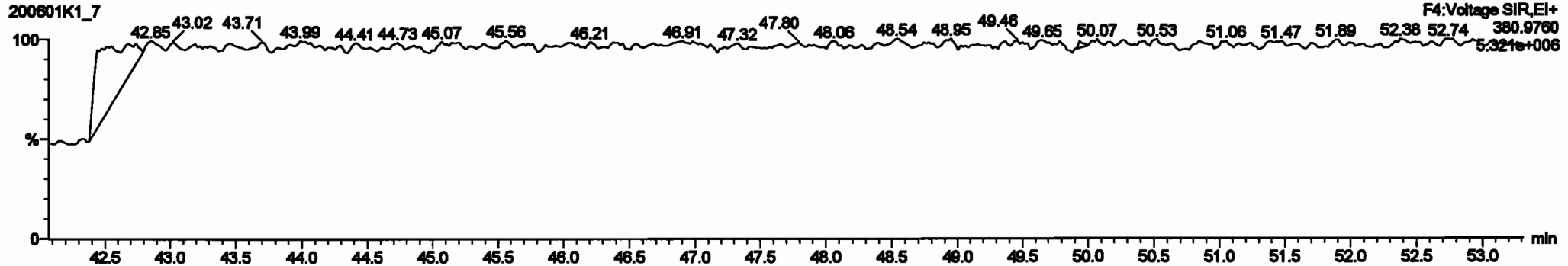
**PCB-188**



**13C-PCB-188**



**PFK4c**



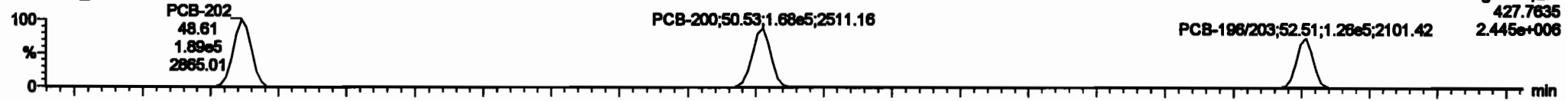
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Printed: Tuesday, June 02, 2020 10:35:13 Pacific Daylight Time

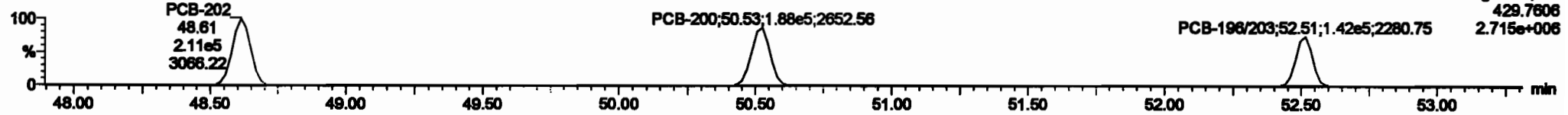
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**PCB-202**

200601K1\_7

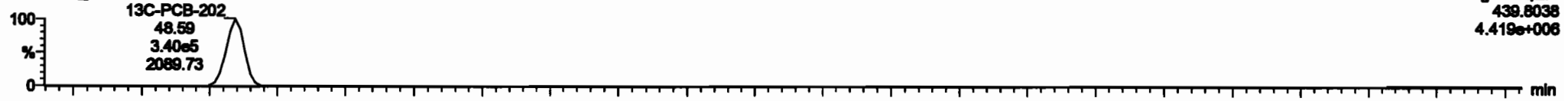


200601K1\_7

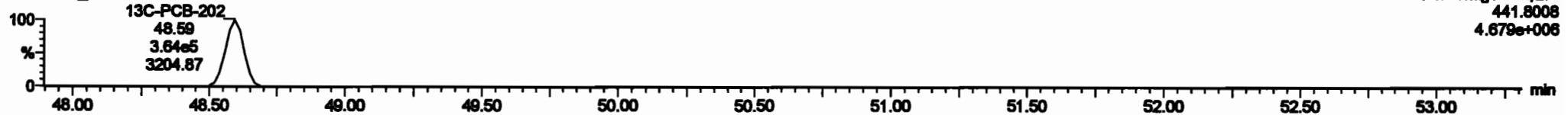


**13C-PCB-202**

200601K1\_7

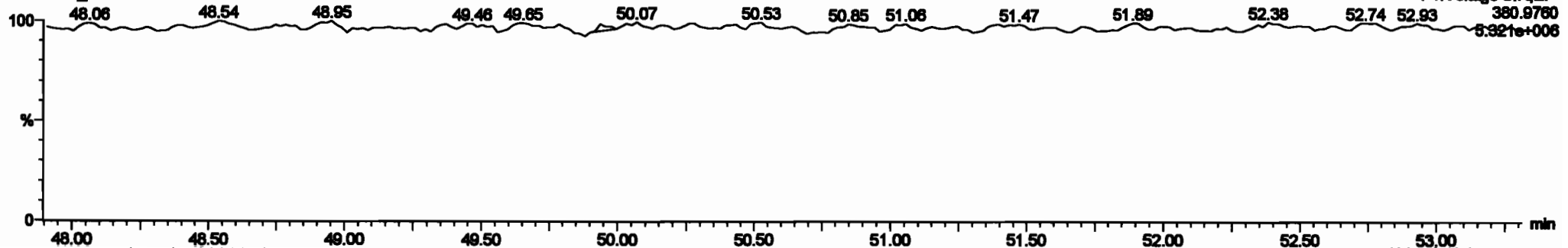


200601K1\_7



**PFK4d**

200601K1\_7



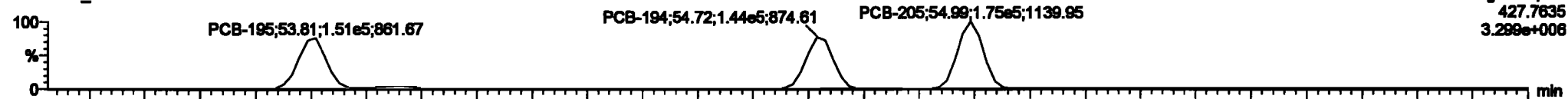
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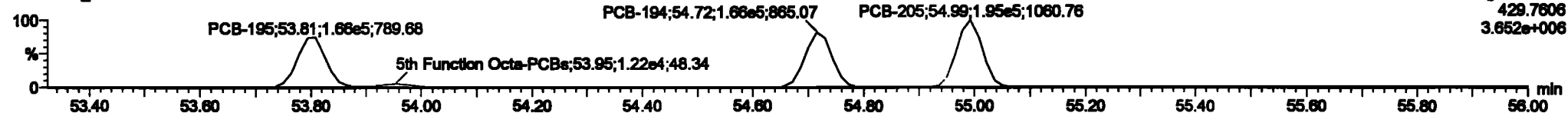
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**PCB-195**

200601K1\_7

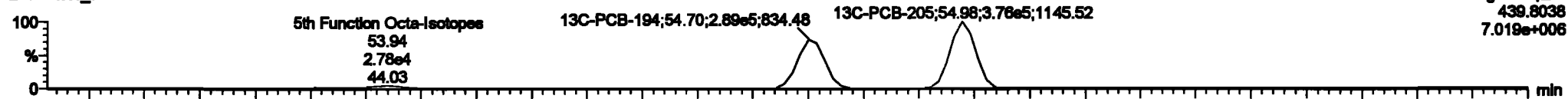


200601K1\_7

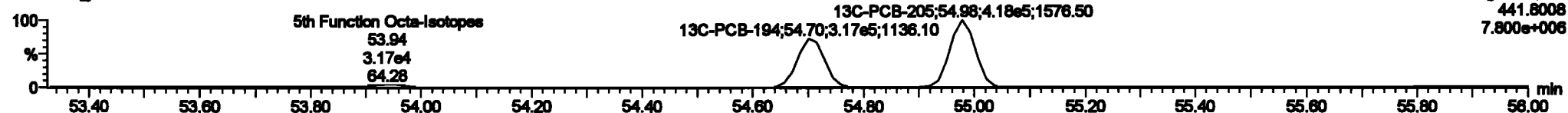


**<sup>13</sup>C-PCB-194**

200601K1\_7

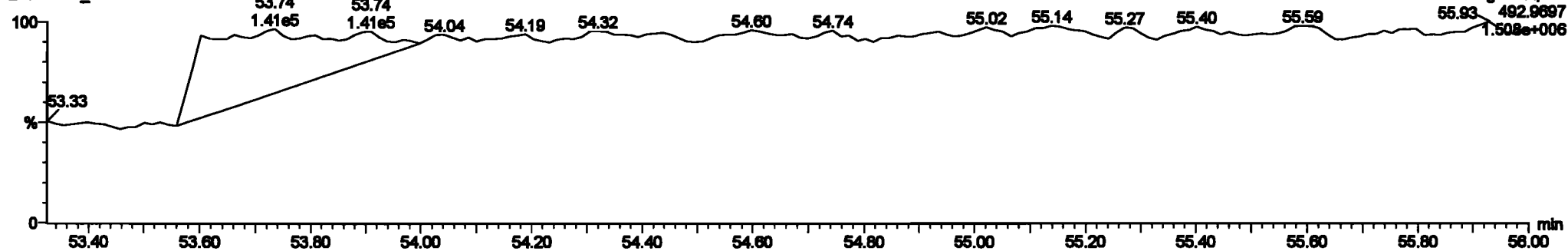


200601K1\_7



**PFK5a**

200601K1\_7

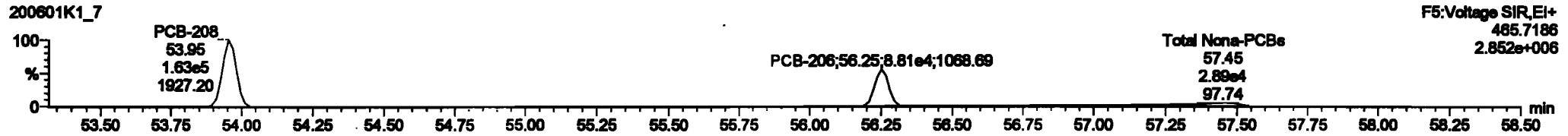
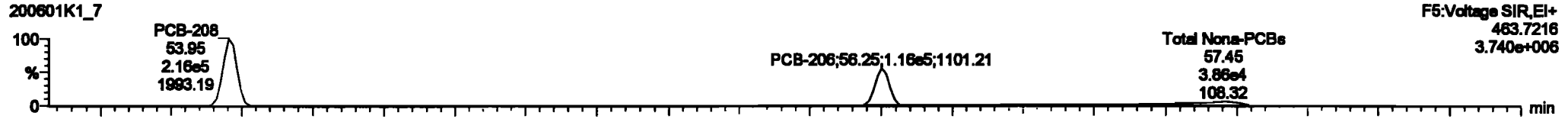


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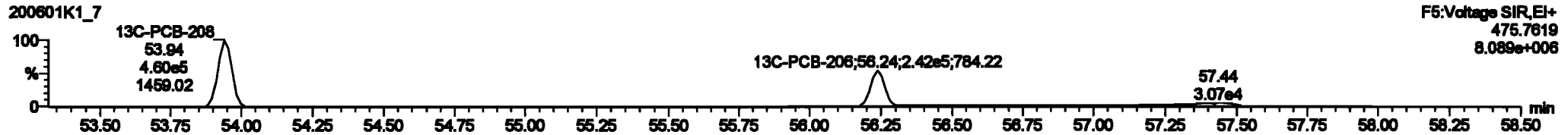
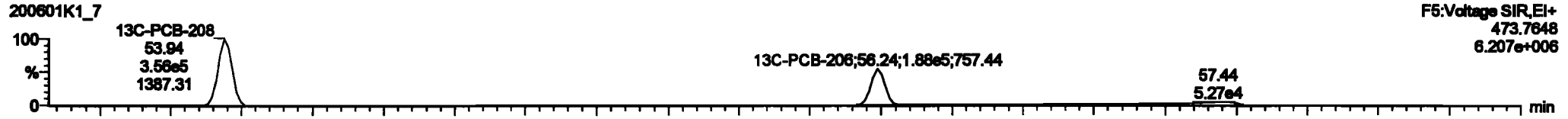
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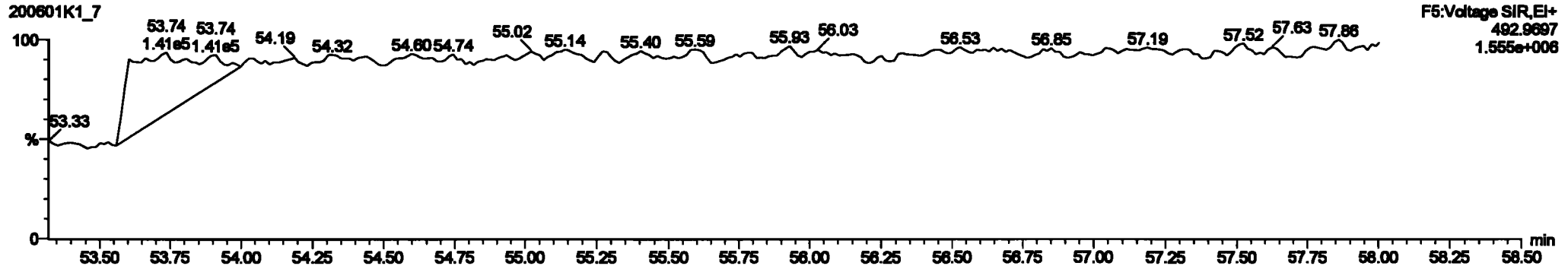
**PCB-208**



**13C-PCB-208**



**PFK5**



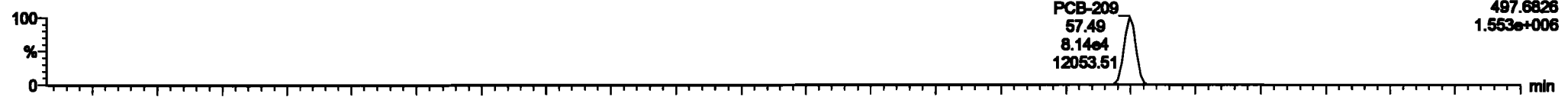
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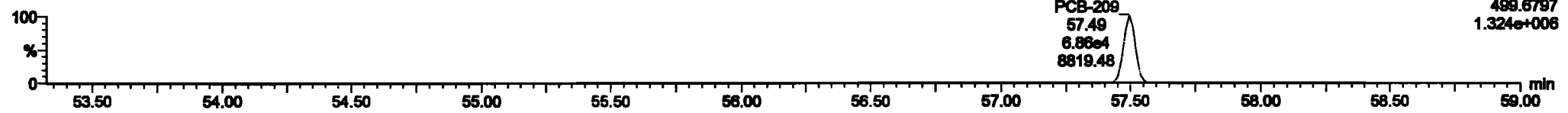
PCB-209

200601K1\_7



F5:Voltage SIR,EI+  
497.6826  
1.553e+006

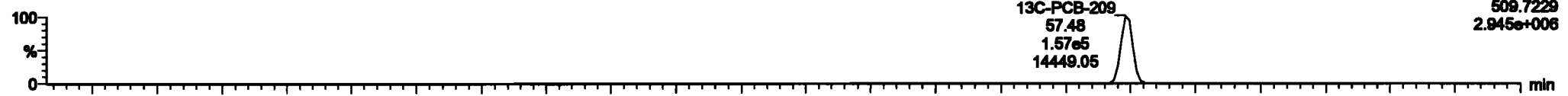
200601K1\_7



F5:Voltage SIR,EI+  
498.6797  
1.324e+006

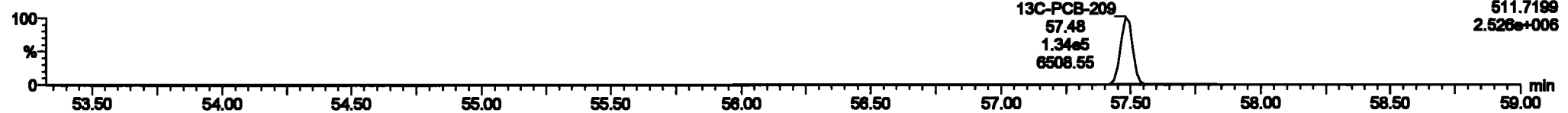
13C-PCB-209

200601K1\_7



F5:Voltage SIR,EI+  
509.7229  
2.945e+006

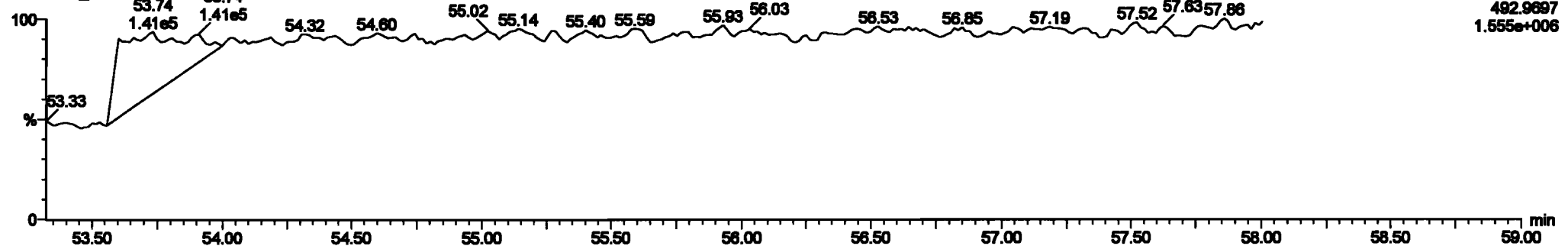
200601K1\_7



F5:Voltage SIR,EI+  
511.7199  
2.526e+006

PFK5b

200601K1\_7



F5:Voltage SIR,EI+  
492.9697  
1.555e+006