NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST031019E1-2 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: pcbvg8-9-29-03 GC Column ID: DB-1

VER Data Filename: 031019E1 S#11 Analysis Date: 19-OCT-03 Time: 20:31:58

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)	ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	2.84	2.66-3.60	y	28.0	17.5-32.5	PCB-52/69	0.74	0.65-0.89	y	102.0	70.0-130
PCB-2	2.96	2.66-3.60	y	28.9	17.5-32.5	PCB-73	0.75	0.65-0.89	y	56.1	35.0-65.0
PCB-3	2.92	2.66-3.60	y	27.7	17.5-32.5	PCB-43/49	0.75	0.65-0.89	y	103.2	70.0-130
PCB-4/10	1.58	1.33-1.80	y	45.9	35.0-65.0	PCB-47	0.75	0.65-0.89	y	55.7	35.0-65.0
PCB-7/9	1.67	1.33-1.80	y	47.4	35.0-65.0	PCB-48/75	0.75	0.65-0.89	y	106.4	70.0-130
PCB-6	1.69	1.33-1.80	y	23.2	17.5-32.5	PCB-65	0.74	0.65-0.89	y	54.2	35.0-65.0
PCB-5/8	1.67	1.33-1.80	y	47.8	35.0-65.0	PCB-62	0.75	0.65-0.89	y	56.6	35.0-65.0
PCB-14	1.65	1.33-1.80	y	21.7	17.5-32.5	PCB-44	0.74	0.65-0.89	y	59.5	35.0-65.0
PCB-11	1.71	1.33-1.80	y	22.1	17.5-32.5	PCB-42/59	0.75	0.65-0.89	y	104.9	70.0-130
PCB-12/13	1.65	1.33-1.80	y	44.7	35.0-65.0	PCB-41/64/71/72	0.74	0.65-0.89	y	212.6	140-260
PCB-15	1.62	1.33-1.80	y	22.2	17.5-32.5	PCB-68	0.74	0.65-0.89	y	53.7	35.0-65.0
PCB-19	1.06	0.88-1.20	y	26.0	17.5-32.5	PCB-40	0.76	0.65-0.89	y	53.4	35.0-65.0
PCB-30	1.04	0.88-1.20	y	26.2	17.5-32.5	PCB-57	0.74	0.65-0.89	y	53.1	35.0-65.0
PCB-18	1.05	0.88-1.20	y	26.2	17.5-32.5	PCB-67	0.74	0.65-0.89	y	51.1	35.0-65.0
PCB-17	1.05	0.88-1.20	y	25.9	17.5-32.5	PCB-58	0.77	0.65-0.89	y	55.3	35.0-65.0
PCB-24/27	1.04	0.88-1.20	y	52.6	35.0-65.0	PCB-63	0.74	0.65-0.89	y	53.6	35.0-65.0
PCB-16/32	1.06	0.88-1.20	y	52.3	35.0-65.0	PCB-74	0.74	0.65-0.89	y	52.5	35.0-65.0
PCB-34	1.08	0.88-1.20	y	27.6	17.5-32.5	PCB-61	0.74	0.65-0.89	y	56.9	35.0-65.0
PCB-23	1.11	0.88-1.20	y	25.1	17.5-32.5	PCB-70	0.75	0.65-0.89	y	63.0	35.0-65.0
PCB-29	1.10	0.88-1.20	y	25.7	17.5-32.5	PCB-76	0.74	0.65-0.89	y	57.7	35.0-65.0
PCB-26	1.08	0.88-1.20	y	25.7	17.5-32.5	PCB-66	0.76	0.65-0.89	y	52.9	35.0-65.0
PCB-25	1.09	0.88-1.20	y	25.6	17.5-32.5	PCB-80	0.75	0.65-0.89	y	54.4	35.0-65.0
PCB-31	1.09	0.88-1.20	y	26.9	17.5-32.5	PCB-55	0.75	0.65-0.89	y	53.4	35.0-65.0
PCB-28	1.12	0.88-1.20	y	24.3	17.5-32.5	PCB-56/60	0.75	0.65-0.89	y	102.6	70.0-130
PCB-20/21/33	1.11	0.88-1.20	y	76.1	52.5-97.5	PCB-79	0.75	0.65-0.89	y	51.3	35.0-65.0
PCB-22	1.10	0.88-1.20	y	25.6	17.5-32.5	PCB-78	0.74	0.65-0.89	y	50.6	35.0-65.0
PCB-36	1.11	0.88-1.20	y	25.0	17.5-32.5	PCB-81	0.74	0.65-0.89	y	50.9	35.0-65.0
PCB-39	1.11	0.88-1.20	y	23.5	17.5-32.5	PCB-77	0.75	0.65-0.89	y	50.0	35.0-65.0
PCB-38	1.08	0.88-1.20	y	26.2	17.5-32.5	PCB-104	1.58	1.32-1.78	y	54.1	35.0-65.0
PCB-35	1.09	0.88-1.20	y	25.4	17.5-32.5	PCB-96	1.57	1.32-1.78	y	53.6	35.0-65.0
PCB-37	1.10	0.88-1.20	y	25.1	17.5-32.5	PCB-103	1.55	1.32-1.78	y	52.4	35.0-65.0
PCB-54	0.74	0.65-0.89	y	52.7	35.0-65.0	PCB-100	1.55	1.32-1.78	y	51.9	35.0-65.0
PCB-50	0.74	0.65-0.89	y	50.3	35.0-65.0	PCB-94	1.57	1.32-1.78	y	53.9	35.0-65.0
PCB-53	0.75	0.65-0.89	y	53.0	35.0-65.0	PCB-95/98/102	1.56	1.32-1.78	y	157.7	105-195
PCB-51	0.74	0.65-0.89	y	53.4	35.0-65.0	PCB-93	1.59	1.32-1.78	y	59.7	35.0-65.0
PCB-45	0.76	0.65-0.89	y	53.0	35.0-65.0	PCB-88/91	1.70	1.32-1.78	y	108.0	70.0-130
PCB-46	0.74	0.65-0.89	y	51.8	35.0-65.0	PCB-121	1.40	1.32-1.78	y	51.4	35.0-65.0

Analyst: [illegible]

Date: 10.20.03

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST031019E1-2 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: pcbvg8-9-29-03 GC Column ID: DB-1

VER Data Filename: 031019E1 S#11 Analysis Date: 19-OCT-03 Time: 20:31:58

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)	ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-84/92	1.57	1.32-1.78	y	106.6	70.0-130	PCB-140	1.36	1.06-1.43	y	62.6	35.0-65.0
PCB-89	1.58	1.32-1.78	y	54.1	35.0-65.0	PCB-134/143	1.21	1.06-1.43	y	110.8	70.0-130
PCB-90/101	1.56	1.32-1.78	y	107.9	70.0-130	PCB-133/142	1.22	1.06-1.43	y	109.9	70.0-130
PCB-113	1.53	1.32-1.78	y	60.8	35.0-65.0	PCB-131	1.22	1.06-1.43	y	54.1	35.0-65.0
PCB-99	1.58	1.32-1.78	y	49.4	35.0-65.0	PCB-146/165	1.21	1.06-1.43	y	106.7	70.0-130
PCB-119	1.55	1.32-1.78	y	53.3	35.0-65.0	PCB-132/161	1.21	1.06-1.43	y	106.2	70.0-130
PCB-108/112	1.57	1.32-1.78	y	105.1	70.0-130	PCB-153	1.21	1.06-1.43	y	53.2	35.0-65.0
PCB-83	1.56	1.32-1.78	y	53.7	35.0-65.0	PCB-168	1.19	1.06-1.43	y	52.0	35.0-65.0
PCB-97	1.55	1.32-1.78	y	52.0	35.0-65.0	PCB-141	1.20	1.06-1.43	y	52.2	35.0-65.0
PCB-86	1.53	1.32-1.78	y	48.0	35.0-65.0	PCB-137	1.19	1.06-1.43	y	49.1	35.0-65.0
PCB-87/117/125	1.58	1.32-1.78	y	161.9	105-195	PCB-130	1.22	1.06-1.43	y	52.2	35.0-65.0
PCB-111/115	1.57	1.32-1.78	y	105.3	70.0-130	PCB-138/163/164	1.22	1.06-1.43	y	152.6	105-195
PCB-85/116	1.57	1.32-1.78	y	108.6	70.0-130	PCB-158/160	1.21	1.06-1.43	y	101.8	70.0-130
PCB-120	1.57	1.32-1.78	y	53.0	35.0-65.0	PCB-129	1.24	1.06-1.43	y	49.7	35.0-65.0
PCB-110	1.56	1.32-1.78	y	54.4	35.0-65.0	PCB-166	1.20	1.06-1.43	y	53.0	35.0-65.0
PCB-82	1.57	1.32-1.78	y	54.5	35.0-65.0	PCB-159	1.21	1.06-1.43	y	53.5	35.0-65.0
PCB-124	1.59	1.32-1.78	y	56.8	35.0-65.0	PCB-128/162	1.22	1.06-1.43	y	103.1	70.0-130
PCB-107/109	1.56	1.32-1.78	y	108.2	70.0-130	PCB-167	1.21	1.06-1.43	y	53.3	35.0-65.0
PCB-123	1.57	1.32-1.78	y	53.6	35.0-65.0	PCB-156	1.20	1.06-1.43	y	52.6	35.0-65.0
PCB-106/118	1.59	1.32-1.78	y	107.6	70.0-130	PCB-157	1.22	1.06-1.43	y	51.6	35.0-65.0
PCB-114	1.71	1.32-1.78	y	50.5	35.0-65.0	PCB-169	1.20	1.06-1.43	y	51.5	35.0-65.0
PCB-122	1.52	1.32-1.78	y	45.8	35.0-65.0	PCB-188	1.06	0.88-1.19	y	53.1	35.0-65.0
PCB-105	1.63	1.32-1.78	y	48.0	35.0-65.0	PCB-184	1.07	0.88-1.19	y	51.8	35.0-65.0
PCB-127	1.75	1.32-1.78	y	47.2	35.0-65.0	PCB-179	1.08	0.88-1.19	y	51.3	35.0-65.0
PCB-126	1.71	1.32-1.78	y	48.8	35.0-65.0	PCB-176	1.05	0.88-1.19	y	50.8	35.0-65.0
PCB-155	1.33	1.06-1.43	y	65.0	35.0-65.0	PCB-186	1.07	0.88-1.19	y	49.9	35.0-65.0
PCB-150	1.32	1.06-1.43	y	64.3	35.0-65.0	PCB-178	1.06	0.88-1.19	y	49.6	35.0-65.0
PCB-152	1.32	1.06-1.43	y	64.4	35.0-65.0	PCB-175	1.07	0.88-1.19	y	53.2	35.0-65.0
PCB-145	1.34	1.06-1.43	y	64.3	35.0-65.0	PCB-182/187	1.08	0.88-1.19	y	98.3	70.0-130
PCB-136	1.35	1.06-1.43	y	64.9	35.0-65.0	PCB-183	1.05	0.88-1.19	y	48.0	35.0-65.0
PCB-148	1.35	1.06-1.43	y	63.3	35.0-65.0	PCB-185	1.05	0.88-1.19	y	52.3	35.0-65.0
PCB-154	1.33	1.06-1.43	y	63.3	35.0-65.0	PCB-174	1.06	0.88-1.19	y	54.8	35.0-65.0
PCB-151	1.34	1.06-1.43	y	64.4	35.0-65.0	PCB-181	1.07	0.88-1.19	y	50.5	35.0-65.0
PCB-135	1.36	1.06-1.43	y	65.0	35.0-65.0	PCB-177	1.04	0.88-1.19	y	50.3	35.0-65.0
PCB-144	1.30	1.06-1.43	y	62.5	35.0-65.0	PCB-171	1.06	0.88-1.19	y	50.6	35.0-65.0
PCB-147	1.34	1.06-1.43	y	62.7	35.0-65.0	PCB-173	1.06	0.88-1.19	y	50.2	35.0-65.0
PCB-139/149	1.35	1.06-1.43	y	125.9	70.0-130	PCB-172	1.06	0.88-1.19	y	52.1	35.0-65.0

Analyst: [illegible]

Date: 10.20.03

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST031019E1-2 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: pcbvg8-9-29-03 GC Column ID: DB-1

VER Data Filename: 031019E1 S#11 Analysis Date: 19-OCT-03 Time: 20:31:58

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-192	1.05	0.88-1.19	y	53.0	35.0-65.0
PCB-180	1.05	0.88-1.19	y	51.9	35.0-65.0
PCB-193	1.06	0.88-1.19	y	51.3	35.0-65.0
PCB-191	1.06	0.88-1.19	y	52.1	35.0-65.0
PCB-170	1.04	0.88-1.19	y	51.4	35.0-65.0
PCB-190	1.07	0.88-1.19	y	53.0	35.0-65.0
PCB-189	1.07	0.88-1.19	y	51.3	35.0-65.0
PCB-202	0.92	0.76-1.02	y	85.2	52.5-97.5
PCB-201	0.93	0.76-1.02	y	88.9	52.5-97.5
PCB-204	0.92	0.76-1.02	y	83.9	52.5-97.5
PCB-197	0.91	0.76-1.02	y	86.8	52.5-97.5
PCB-200	0.91	0.76-1.02	y	85.5	52.5-97.5
PCB-198	0.90	0.76-1.02	y	80.0	52.5-97.5
PCB-199	0.94	0.76-1.02	y	77.6	52.5-97.5
PCB-196/203	0.93	0.76-1.02	y	159.0	105-195
PCB-195	0.90	0.76-1.02	y	71.0	52.5-97.5
PCB-194	0.92	0.76-1.02	y	75.0	52.5-97.5
PCB-205	0.92	0.76-1.02	y	73.8	52.5-97.5
PCB-208	1.33	1.14-1.54	y	79.3	52.5-97.5
PCB-207	1.34	1.14-1.54	y	82.8	52.5-97.5
PCB-206	1.33	1.14-1.54	y	85.1	52.5-97.5
PCB-209	1.22	0.99-1.34	y	75.0	52.5-97.5

Analyst: [illegible]

Date: 10.20.03

LABELED PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST031019E1-2 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: pcbvg8-9-29-03 GC Column ID: DB-1

VER Data Filename: 031019E1 S#11 Analysis Date: 19-OCT-03 Time: 20:31:58

LABELED IS	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
13C-PCB-1	3.06	2.66-3.60	y	96.3	50.0-150
13C-PCB-3	3.19	2.66-3.60	y	95.9	50.0-150
13C-PCB-4	1.58	1.33-1.81	y	101.6	50.0-150
13C-PCB-9	1.59	1.33-1.81	y	101.3	50.0-150
13C-PCB-19	1.06	0.88-1.20	y	90.9	50.0-150
13C-PCB-32	1.09	0.88-1.20	y	90.7	50.0-150
13C-PCB-28	1.08	0.88-1.20	y	88.9	50.0-150
13C-PCB-37	1.07	0.88-1.20	y	88.8	50.0-150
13C-PCB-54	0.81	0.65-0.89	y	96.4	50.0-150
13C-PCB-81	0.81	0.65-0.89	y	96.0	50.0-150
13C-PCB-77	0.78	0.65-0.89	y	95.3	50.0-150
13C-PCB-104	1.62	1.33-1.81	y	106.4	50.0-150
13C-PCB-95	1.62	1.33-1.81	y	102.4	50.0-150
13C-PCB-101	1.64	1.33-1.81	y	99.9	50.0-150
13C-PCB-123	1.62	1.33-1.81	y	97.5	50.0-150
13C-PCB-118	1.66	1.33-1.81	y	96.6	50.0-150
13C-PCB-114	1.60	1.33-1.81	y	102.7	50.0-150
13C-PCB-105	1.63	1.33-1.81	y	107.0	50.0-150
13C-PCB-126	1.62	1.33-1.81	y	104.1	50.0-150
13C-PCB-155	1.26	1.05-1.43	y	55.8	50.0-150
13C-PCB-153	1.28	1.05-1.43	y	101.8	50.0-150
13C-PCB-167	1.25	1.05-1.43	y	98.8	50.0-150
13C-PCB-156	1.25	1.05-1.43	y	94.6	50.0-150
13C-PCB-157	1.26	1.05-1.43	y	94.5	50.0-150
13C-PCB-169	1.28	1.05-1.43	y	91.7	50.0-150
13C-PCB-188	0.46	0.38-0.52	y	86.5	50.0-150
13C-PCB-180	0.47	0.38-0.52	y	80.5	50.0-150
13C-PCB-170	0.47	0.38-0.52	y	74.6	50.0-150
13C-PCB-189	0.45	0.38-0.52	y	74.7	50.0-150
13C-PCB-202	0.93	0.76-1.02	y	53.3	50.0-150
13C-PCB-194	0.93	0.76-1.02	y	96.5	50.0-150
13C-PCB-208	0.79	0.66-0.99	y	88.9	50.0-150
13C-PCB-206	0.78	0.66-0.99	y	90.5	50.0-150
13C-PCB-209	1.21	0.99-1.35	y	77.3	50.0-150

LABELED PS	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PRESPIKE COMPOUNDS					
13C-PCB-52	0.79	0.65-0.89	y	101.8	70 - 130
13C-PCB-178	0.45	0.38-0.52	y	83.9	70 - 130

Analyst: [signature]

Date: 10-20-03

Client ID: PCB 209 CS3 030916G Filename: 031019E1 S:11 Acq:19-OCT-03 20:31:58 ConCal: ST031019E1-1
Lab ID: ST031019E1-2 GC Column ID: DB-1 ICal: pcbvg8-9-29-03 wt/vol: 1.000 EndCAL: ST031019E1-2

Type	Name	Resp	RA	RT	RRF	Conc
Mono	PCB-1	2.38e+07	2.84 y	15:16	1.00	28.0
Mono	PCB-2	2.36e+07	2.96 y	17:30	0.84	28.9
Mono	PCB-3	2.59e+07	2.92 y	17:43	0.96	27.7
Di	PCB-4/10	4.04e+07	1.58 y	18:59	1.81	45.9
Di	PCB-7/9	5.21e+07	1.67 y	20:39	1.48	47.4
Di	PCB-6	2.55e+07	1.69 y	21:14	1.48	23.2
Di	PCB-5/8	5.09e+07	1.67 y	21:38	1.44	47.8
Di	PCB-14	2.43e+07	1.65 y	22:39	1.51	21.7
Di	PCB-11	2.37e+07	1.71 y	23:45	1.45	22.1
Di	PCB-12/13	4.97e+07	1.65 y	24:06	1.50	44.7
Di	PCB-15	2.80e+07	1.62 y	24:24	1.70	22.2
Tri	PCB-19	1.45e+07	1.06 y	22:47	1.18	26.0
Tri	PCB-30	2.06e+07	1.04 y	23:38	1.67	26.2
Tri	PCB-18	1.43e+07	1.05 y	24:18	0.69	26.2
Tri	PCB-17	1.60e+07	1.05 y	24:28	0.78	25.9
Tri	PCB-24/27	4.12e+07	1.04 y	24:60	0.99	52.6
Tri	PCB-16/32	3.53e+07	1.06 y	25:27	0.85	52.3
Tri	PCB-34	2.38e+07	1.08 y	26:12	1.19	27.6
Tri	PCB-23	2.41e+07	1.11 y	26:17	1.33	25.1
Tri	PCB-29	2.51e+07	1.10 y	26:31	1.35	25.7
Tri	PCB-26	2.38e+07	1.08 y	26:43	1.28	25.7
Tri	PCB-25	2.46e+07	1.09 y	26:52	1.33	25.6
Tri	PCB-31	2.52e+07	1.09 y	27:11	1.30	26.9
Tri	PCB-28	2.71e+07	1.12 y	27:17	1.54	24.3
Tri	CB-20/21/33	7.00e+07	1.11 y	27:50	1.27	76.1
Tri	PCB-22	2.46e+07	1.10 y	28:15	1.33	25.6
Tri	PCB-36	2.25e+07	1.11 y	28:49	1.47	25.0
Tri	PCB-39	2.26e+07	1.11 y	29:15	1.57	23.5
Tri	PCB-38	2.35e+07	1.08 y	29:57	1.46	26.2
Tri	PCB-35	2.22e+07	1.09 y	30:26	1.42	25.4
Tri	PCB-37	2.41e+07	1.10 y	30:50	1.57	25.1
Tetra	PCB-54	3.62e+07	0.74 y	26:14	0.99	52.7
Tetra	PCB-50	2.56e+07	0.74 y	27:19	0.73	50.3
Tetra	PCB-53	2.62e+07	0.75 y	27:53	0.71	53.0
Tetra	PCB-51	2.68e+07	0.74 y	28:13	0.72	53.4
Tetra	PCB-45	2.29e+07	0.76 y	28:36	0.62	53.0
Tetra	PCB-46	2.17e+07	0.74 y	29:03	0.60	51.8
Tetra	PCB-52/69	5.71e+07	0.74 y	29:29	0.81	102
Tetra	PCB-73	3.51e+07	0.75 y	29:35	0.90	56.1
Tetra	PCB-43/49	5.05e+07	0.75 y	29:45	0.71	103
Tetra	PCB-47	2.80e+07	0.75 y	29:57	0.73	55.7
Tetra	PCB-48/75	6.35e+07	0.75 y	30:03	0.86	106
Tetra	PCB-65	3.23e+07	0.74 y	30:17	0.86	54.2
Tetra	PCB-62	3.25e+07	0.75 y	30:23	0.83	56.6
Tetra	PCB-44	2.52e+07	0.74 y	30:40	0.61	59.5
Tetra	PCB-42/59	5.73e+07	0.75 y	30:52	0.79	105
Tetra	41/64/71/72	1.29e+08	0.74 y	31:24	0.88	213
Tetra	PCB-68	3.60e+07	0.74 y	31:39	0.97	53.7
Tetra	PCB-40	1.97e+07	0.76 y	31:49	0.53	53.4
Tetra	PCB-57	3.40e+07	0.74 y	32:10	1.09	53.1
Tetra	PCB-67	3.36e+07	0.74 y	32:27	1.12	51.1
Tetra	PCB-58	3.51e+07	0.77 y	32:33	1.08	55.3
Tetra	PCB-63	3.42e+07	0.74 y	32:42	1.09	53.6
Tetra	PCB-74	3.54e+07	0.74 y	32:58	1.15	52.5
Tetra	PCB-61	3.03e+07	0.74 y	33:04	0.91	56.9
Tetra	PCB-70	4.20e+07	0.75 y	33:09	1.14	63.0
Tetra	PCB-76	3.34e+07	0.74 y	33:16	0.99	57.7
Tetra	PCB-66	4.07e+07	0.76 y	33:21	1.31	52.9
Tetra	PCB-80	4.09e+07	0.75 y	33:32	1.28	54.4
Tetra	PCB-55	3.44e+07	0.75 y	33:49	1.10	53.4
Tetra	PCB-56/60	6.57e+07	0.75 y	34:16	1.09	103
Tetra	PCB-79	3.36e+07	0.75 y	35:15	1.12	51.3
Tetra	PCB-78	3.21e+07	0.74 y	35:53	1.08	50.6
Tetra	PCB-81	3.47e+07	0.74 y	36:22	1.16	50.9
Tetra	PCB-77	3.19e+07	0.75 y	36:54	1.06	50.0
Penta	PCB-104	2.33e+07	1.58 y	30:32	1.16	54.1
Penta	PCB-96	2.21e+07	1.57 y	31:40	1.10	53.6
Penta	PCB-103	1.79e+07	1.55 y	32:10	0.91	52.4
Penta	PCB-100	1.76e+07	1.55 y	32:30	0.90	51.9
Penta	PCB-94	1.48e+07	1.57 y	32:55	0.98	53.9
Penta	B-95/98/102	4.83e+07	1.56 y	33:22	1.09	158
Penta	PCB-93	1.67e+07	1.59 y	33:29	1.00	59.7
Penta	PCB-88/91	3.02e+07	1.70 y	33:45	1.00	108
Penta	PCB-121	2.14e+07	1.40 y	33:52	1.49	51.4

RL: MONO, TRI: _____ Integrations by Analyst: [illegible]

RL: DI, TETRA - HEPTA: _____

RL: OCTA - DECA: _____ Date: 10.20.03

Client ID: PCB 209 CS3 030916G Filename: 031019E1 S:11 Acq:19-OCT-03 20:31:58 ConCal: ST031019E1-1

Lab ID: ST031019E1-2 GC Column ID: DB-1 ICal: pcbvg8-9-29-03 wt/vol: 1.000 EndCAL: ST031019E1-2

Type	Name	Resp	RA	RT	RRF	Conc
Penta	PCB-84/92	2.96e+07	1.57 y	34:36	1.01	107
Penta	PCB-89	1.43e+07	1.58 y	34:46	0.96	54.1
Penta	PCB-90/101	3.37e+07	1.56 y	34:57	1.14	108
Penta	PCB-113	1.99e+07	1.53 y	35:09	1.19	60.8
Penta	PCB-99	1.71e+07	1.58 y	35:15	1.27	49.4
Penta	PCB-119	2.12e+07	1.55 y	35:40	1.45	53.3
Penta	PCB-108/112	3.31e+07	1.57 y	35:48	1.15	105
Penta	PCB-83	1.92e+07	1.56 y	35:58	1.31	53.7
Penta	PCB-97	1.46e+07	1.55 y	36:08	1.02	52.0
Penta	PCB-86	1.20e+07	1.53 y	36:15	0.91	48.0
Penta	-87/117/125	5.86e+07	1.58 y	36:22	1.32	162
Penta	PCB-111/115	4.23e+07	1.57 y	36:31	1.46	105
Penta	PCB-85/116	3.59e+07	1.57 y	36:38	1.21	109
Penta	PCB-120	2.22e+07	1.57 y	36:52	1.53	53.0
Penta	PCB-110	2.19e+07	1.56 y	36:59	1.47	54.4
Penta	PCB-82	1.22e+07	1.57 y	37:33	0.70	54.5
Penta	PCB-124	2.14e+07	1.59 y	38:11	1.17	56.8
Penta	PCB-107/109	4.20e+07	1.56 y	38:19	1.21	108
Penta	PCB-123	1.98e+07	1.57 y	38:28	1.15	53.6
Penta	PCB-106/118	4.07e+07	1.59 y	38:39	1.06	108
Penta	PCB-114	3.15e+07	1.71 y	39:13	1.40	50.5
Penta	PCB-122	2.98e+07	1.52 y	39:21	1.45	45.8
Penta	PCB-105	3.08e+07	1.63 y	40:01	1.44	48.0
Penta	PCB-127	2.84e+07	1.75 y	40:20	1.35	47.2
Penta	PCB-126	2.89e+07	1.71 y	42:03	1.41	48.8
Hexa	PCB-155	1.49e+07	1.33 y	34:31	1.12	65.0
Hexa	PCB-150	1.36e+07	1.32 y	35:39	1.04	64.3
Hexa	PCB-152	1.35e+07	1.32 y	36:06	1.03	64.4
Hexa	PCB-145	1.33e+07	1.34 y	36:30	1.02	64.3
Hexa	PCB-136	1.32e+07	1.35 y	36:48	1.00	64.9
Hexa	PCB-148	1.02e+07	1.35 y	36:53	0.79	63.3
Hexa	PCB-154	1.18e+07	1.33 y	37:21	0.92	63.3
Hexa	PCB-151	9.46e+06	1.34 y	37:56	0.72	64.4
Hexa	PCB-135	9.33e+06	1.36 y	38:07	0.70	65.0
Hexa	PCB-144	9.81e+06	1.30 y	38:13	0.77	62.5
Hexa	PCB-147	1.06e+07	1.34 y	38:20	0.83	62.7
Hexa	PCB-139/149	2.05e+07	1.35 y	38:34	0.80	126

Type	Name	Resp	RA	RT	RRF	Conc
Hexa	PCB-140	1.02e+07	1.36 y	38:44	0.80	62.6
Hexa	PCB-134/143	3.58e+07	1.21 y	39:09	0.74	111
Hexa	PCB-133/142	3.57e+07	1.22 y	39:25	0.74	110
Hexa	PCB-131	1.71e+07	1.22 y	39:34	0.72	54.1
Hexa	PCB-146/165	4.71e+07	1.21 y	39:47	1.01	107
Hexa	PCB-132/161	4.43e+07	1.21 y	39:60	0.96	106
Hexa	PCB-153	2.39e+07	1.21 y	40:09	1.03	53.2
Hexa	PCB-168	2.53e+07	1.19 y	40:20	1.11	52.0
Hexa	PCB-141	2.02e+07	1.20 y	40:49	0.89	52.2
Hexa	PCB-137	1.79e+07	1.19 y	41:10	0.84	49.1
Hexa	PCB-130	1.75e+07	1.22 y	41:15	0.77	52.2
Hexa	138/163/164	7.27e+07	1.22 y	41:36	1.09	153
Hexa	PCB-158/160	5.16e+07	1.21 y	41:49	1.16	102
Hexa	PCB-129	1.59e+07	1.24 y	42:02	0.73	49.7
Hexa	PCB-166	2.41e+07	1.20 y	42:27	0.93	53.0
Hexa	PCB-159	2.59e+07	1.21 y	42:45	0.99	53.5
Hexa	PCB-128/162	4.21e+07	1.22 y	43:01	0.84	103
Hexa	PCB-167	2.51e+07	1.21 y	43:22	0.97	53.3
Hexa	PCB-156	2.48e+07	1.20 y	44:32	1.04	52.6
Hexa	PCB-157	2.39e+07	1.22 y	44:47	0.96	51.6
Hexa	PCB-169	2.20e+07	1.20 y	46:44	0.96	51.5
Hepta	PCB-188	2.40e+07	1.06 y	39:49	1.47	53.1
Hepta	PCB-184	2.36e+07	1.07 y	40:13	1.48	51.8
Hepta	PCB-179	2.17e+07	1.08 y	40:55	1.38	51.3
Hepta	PCB-176	2.09e+07	1.05 y	41:20	1.34	50.8
Hepta	PCB-186	2.11e+07	1.07 y	41:53	1.38	49.9
Hepta	PCB-178	1.51e+07	1.06 y	42:20	0.99	49.6
Hepta	PCB-175	1.59e+07	1.07 y	42:39	0.98	53.2
Hepta	PCB-182/187	3.49e+07	1.08 y	42:48	1.16	98.3
Hepta	PCB-183	1.64e+07	1.05 y	43:06	1.12	48.0
Hepta	PCB-185	1.45e+07	1.05 y	43:42	1.38	52.3
Hepta	PCB-174	1.62e+07	1.06 y	44:01	1.46	54.8
Hepta	PCB-181	1.45e+07	1.07 y	44:07	1.42	50.5
Hepta	PCB-177	1.37e+07	1.04 y	44:16	1.35	50.3
Hepta	PCB-171	1.48e+07	1.06 y	44:32	1.45	50.6
Hepta	PCB-173	1.30e+07	1.06 y	44:55	1.29	50.2
Hepta	PCB-172	1.37e+07	1.06 y	45:20	1.30	52.1

RL: MONO, TRI: _____

RL: DI, TETRA - HEPTA: _____

RL: OCTA - DECA: _____

Integrations by Analyst: [illegible]

Date: 10.20.03

Client ID: PCB 209 CS3 030916G Filename: 031019E1 S:11 Acq:19-OCT-03 20:31:58 ConCal: ST031019E1-1
Lab ID: ST031019E1-2 GC Column ID: DB-1 ICal: pcbvg8-9-29-03 wt/vol: 1.000 EndCAL: ST031019E1-2

Type	Name	Resp	RA	RT	RRF	Conc
Hepta	PCB-192	1.82e+07	1.05 y	45:31	1.70	53.0
Hepta	PCB-180	1.57e+07	1.05 y	45:42	1.50	51.9
Hepta	PCB-193	2.01e+07	1.06 y	45:53	1.94	51.3
Hepta	PCB-191	1.89e+07	1.06 y	46:06	1.79	52.1
Hepta	PCB-170	1.26e+07	1.04 y	47:03	1.54	51.4
Hepta	PCB-190	1.71e+07	1.07 y	47:12	2.02	53.0
Hepta	PCB-189	1.77e+07	1.07 y	48:26	1.42	51.3
Octa	PCB-202	1.78e+07	0.92 y	44:43	1.00	85.2
Octa	PCB-201	1.82e+07	0.93 y	45:09	0.99	88.9
Octa	PCB-204	1.77e+07	0.92 y	45:18	1.02	83.9
Octa	PCB-197	1.87e+07	0.91 y	45:34	1.04	86.8
Octa	PCB-200	1.74e+07	0.91 y	46:22	0.98	85.5
Octa	PCB-198	1.13e+07	0.90 y	47:35	0.68	80.0
Octa	PCB-199	1.19e+07	0.94 y	47:41	0.74	77.6
Octa	PCB-196/203	2.62e+07	0.93 y	47:56	0.79	159
Octa	PCB-195	2.57e+07	0.90 y	49:01	1.18	71.0
Octa	PCB-194	2.94e+07	0.92 y	49:48	1.28	75.0
Octa	PCB-205	3.78e+07	0.92 y	50:04	1.67	73.8
Nona	PCB-208	2.78e+07	1.33 y	49:08	0.94	79.3
Nona	PCB-207	2.57e+07	1.34 y	49:26	0.84	82.8
Nona	PCB-206	1.96e+07	1.33 y	51:16	0.88	85.1
Deca	PCB-209	2.79e+07	1.22 y	52:29	1.11	75.0

Type	Name	Resp	RA	RT	RRF	Conc	
Tot F:1	Total Mono-PCB	7.34e+07	2.84 y	15:16	0.93	84.6	
Tot F:2	Total Di-PCB	2.95e+08	1.58 y	18:59	1.51	275	
Tot F:2	Total Tri-PCB	1.42e+08	1.06 y	22:47	0.99	209	
Tot F:3	Total Tri-PCB	3.99e+08	1.08 y	26:12	1.38	424	Sum:633
Tot F:3	Total Tetra-PCB	1.33e+09	0.74 y	26:14	0.81	2260	
Tot F:3	Total Penta-PCB	7.45e+08	1.58 y	30:32	1.10	2200	
Tot F:4	Total Penta-PCB	1.59e+08	1.57 y	38:59	1.41	256	Sum:2460
Tot F:3	Total Hexa-PCB	1.60e+08	1.33 y	34:31	0.88	893	
Tot F:4	Total Hexa-PCB	6.20e+08	1.21 y	39:09	0.92	1490	Sum:2380
Tot F:4	Total Hepta-PCB	4.20e+08	1.06 y	39:49	1.37	1250	
Tot F:4	Total Octa-PCB	1.39e+08	0.92 y	44:43	0.89	747	
Tot F:5	Total Octa-PCB	9.46e+07	0.90 y	49:01	1.38	224	Sum:971
Tot F:5	Total Nona-PCB	7.35e+07	1.33 y	49:08	0.89	249	
Tot F:5	Total Deca-PCB	2.79e+07	1.22 y	52:29	1.11	75.0	

RL: MONO, TRI: _____ Integrations by

RL: DI, TETRA - HEPTA: _____ Analyst: [illegible]

RL: OCTA - DECA: _____ Date: 10.20.03

Client ID: PCB 209 CS3 030916G Filename: 031019E1 S:11 Acq:19-OCT-03 20:31:58 ConCal: ST031019E1-1
Lab ID: ST031019E1-2 GC Column ID: DB-1 ICal: pcbvg8-9-29-03 wt/vol: 1.000 EndCAL: ST031019E1-2

Type	Name	Resp	RA	RT	RRF	Conc	Rec
Mono-IS	13C-PCB-1	8.53e+07	3.06 y	15:15	1.09	96.3	96.3
Mono-IS	13C-PCB-3	9.71e+07	3.19 y	17:43	1.24	95.9	95.9
Di-IS	13C-PCB-4	4.87e+07	1.58 y	18:56	0.59	102	102
Di-IS	13C-PCB-9	7.42e+07	1.59 y	20:36	0.90	101	101
Tri-IS	13C-PCB-19	4.73e+07	1.06 y	22:46	0.70	90.9	90.9
Tri-IS	13C-PCB-32	7.95e+07	1.09 y	25:27	1.18	90.7	90.7
Tri-IS	13C-PCB-28	7.22e+07	1.08 y	27:16	1.09	88.9	88.9
Tri-IS	13C-PCB-37	6.14e+07	1.07 y	30:49	0.93	88.8	88.8
Tetra-IS	13C-PCB-54	6.93e+07	0.81 y	26:13	1.15	96.4	96.4
Tetra-IS	13C-PCB-81	5.87e+07	0.81 y	36:21	0.98	96.0	96.0
Tetra-IS	13C-PCB-77	6.01e+07	0.78 y	36:53	1.01	95.3	95.3
Penta-IS	13C-PCB-104	3.74e+07	1.62 y	30:31	0.93	106	106
Penta-IS	13C-PCB-95	2.80e+07	1.62 y	33:23	0.73	102	102
Penta-IS	13C-PCB-101	2.74e+07	1.64 y	34:56	0.73	99.9	99.9
Penta-IS	13C-PCB-123	3.21e+07	1.62 y	38:27	0.87	97.5	97.5
Penta-IS	13C-PCB-118	3.57e+07	1.66 y	38:37	0.98	96.6	96.6
Penta-IS	13C-PCB-114	4.45e+07	1.60 y	39:13	1.13	103	103
Penta-IS	13C-PCB-105	4.46e+07	1.63 y	39:60	1.09	107	107
Penta-IS	13C-PCB-126	4.21e+07	1.62 y	42:02	1.06	104	104
Hexa-IS	13C-PCB-155	2.04e+07	1.26 y	34:32	0.97	55.8	55.8
Hexa-IS	13C-PCB-153	4.37e+07	1.28 y	40:08	1.12	102	102
Hexa-IS	13C-PCB-167	4.87e+07	1.25 y	43:21	1.28	98.8	98.8
Hexa-IS	13C-PCB-156	4.52e+07	1.25 y	44:31	1.24	94.6	94.6
Hexa-IS	13C-PCB-157	4.82e+07	1.26 y	44:46	1.33	94.5	94.5
Hexa-IS	13C-PCB-169	4.45e+07	1.28 y	46:43	1.26	91.7	91.7
Hepta-IS	13C-PCB-188	3.07e+07	0.46 y	39:47	0.92	86.5	86.5
Hepta-IS	13C-PCB-180	2.02e+07	0.47 y	45:41	0.65	80.5	80.5
Hepta-IS	13C-PCB-170	1.59e+07	0.47 y	47:02	0.56	74.6	74.6
Hepta-IS	13C-PCB-189	2.42e+07	0.45 y	48:25	0.85	74.7	74.7
Octa-IS	13C-PCB-202	2.08e+07	0.93 y	44:42	1.02	53.3	53.3
Octa-IS	13C-PCB-194	3.06e+07	0.93 y	49:48	0.71	96.5	96.5
Nona-IS	13C-PCB-208	3.71e+07	0.79 y	49:07	0.94	88.9	88.9
Nona-IS	13C-PCB-206	2.62e+07	0.78 y	51:15	0.65	90.5	90.5
Deca-IS	13C-PCB-209	3.35e+07	1.21 y	52:28	0.97	77.3	77.3
Di-RS	13C-PCB-15	8.15e+07	1.60 y	24:23	1.00	100	-
Tri-RS	13C-PCB-31	7.43e+07	1.07 y	27:09	1.00	100	-
Tetra-RS	13C-PCB-60	6.25e+07	0.80 y	34:16	1.00	100	-
Penta-RS	13C-PCB-111	3.77e+07	1.63 y	36:31	1.00	100	-
Hexa-RS	13C-PCB-138	3.84e+07	1.27 y	41:34	1.00	100	-
Octa-RS	13C-PCB-205	4.46e+07	0.94 y	50:03	1.00	100	-

Type	Name	Resp	RA	RT	RRF	Conc	Rec
Tetra-PS	13C-PCB-52	5.07e+07	0.79 y	29:28	0.80	102	102
Hepta-PS	13C-PCB-178	1.89e+07	0.45 y	42:19	0.59	83.9	83.9

Integrations by Analyst: [signature]

Date: 10.20.03

Alta Analytical Laboratory - Injection Log Run file: 031019E1 Instrument ID: VG-8 GC Column ID: DB-1

Data file	S#	Sample ID	Analyst	Acq date	Acq time	CCal	ECal
031019E1	1	ST031019E1-1 PCB 209 CS3 030916G	RAS	19-OCT-03	10:30:39	ST031019E1-1	ST031019E1-2
031019E1	2	0_5267_OPR001	RAS	19-OCT-03	11:30:46	ST031019E1-1	ST031019E1-2
031019E1	3	0_5267_MB001	RAS	19-OCT-03	12:30:54	ST031019E1-1	ST031019E1-2
031019E1	4	24292_5267_001 62253701 1:50 DIL	RAS	19-OCT-03	13:31:02	ST031019E1-1	ST031019E1-2
031019E1	5	24292_5267_002 USEA000373 1:50 DIL	RAS	19-OCT-03	14:31:11	ST031019E1-1	ST031019E1-2
031019E1	6	24292_5267_003 62254106 1:50 DIL	RAS	19-OCT-03	15:31:18	ST031019E1-1	ST031019E1-2
031019E1	7	24292_5267_001 62253701 1:20 DIL	RAS	19-OCT-03	16:31:26	ST031019E1-1	ST031019E1-2
031019E1	8	24292_5267_002 USEA000373 1:20 DIL	RAS	19-OCT-03	17:31:34	ST031019E1-1	ST031019E1-2
031019E1	9	24292_5267_003 62254106 1:20 DIL	RAS	19-OCT-03	18:31:37	ST031019E1-1	ST031019E1-2
031019E1	10	SOLVENT BLANK	RAS	19-OCT-03	19:31:46	ST031019E1-1	ST031019E1-2
031019E1	11	ST031019E1-2 PCB 209 CS3 030916G	RAS	19-OCT-03	20:31:58	ST031019E1-1	ST031019E1-2

HRMS STANDARDS REVIEW CHECKLIST

Attachment 7.F.2

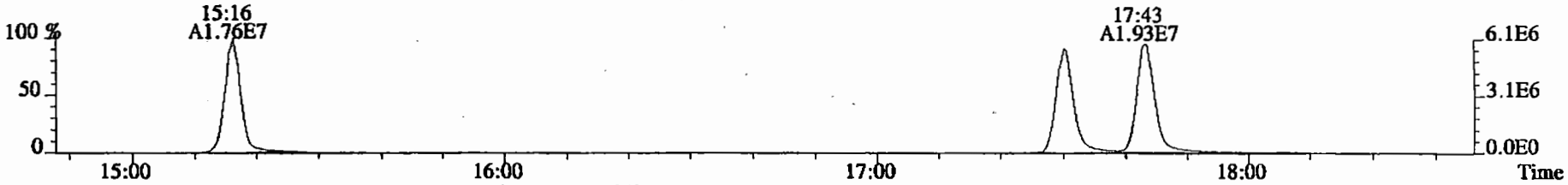
Beginning Calibration ID: ST031019 81-1 Ending Calibration ID: ST031019 81-2

	Beg.CAL	End. CAL	COMMENTS
Calibration Verification/Form 4A/B: Ion abundance within QC limits?	✓	✓	
Calibration Verification/Form 4A/B: Conc within Conc. range?	✓	✓	
Form 5: First and last eluters present? (N/A for DB225)	N/A	N/A	
Form 6A/6B: Relative Retention Times within limits? (N/A for M23, TO9, 1668, DB225)	N/A	N/A	
Cal. Ver. Named correctly? (Ex. ST-Year-Month-Day-VG ID)	✓	✓	
Cal. Verification forms signed and dated for review?	✓	✓	
Appropriate ICAL referenced?	✓	✓	
Run log: Standards named correctly? Correct Instrument listed?	✓	✓	
Run log: Samples within 12-hour shift?		✓	
Mass resolution > 10,000	✓	✓	
2378-TCDD/TCDF valley < 25% (N/A for 1668)	N/A	N/A	
All appropriate peaks integrated correctly?	✓	✓	
Manual integrations included?	✓	✓	
8280: Ratios within limits?		N/A	
8280: S/N > 2.5:1		↓	
8280: CS1 within 12 hrs?			

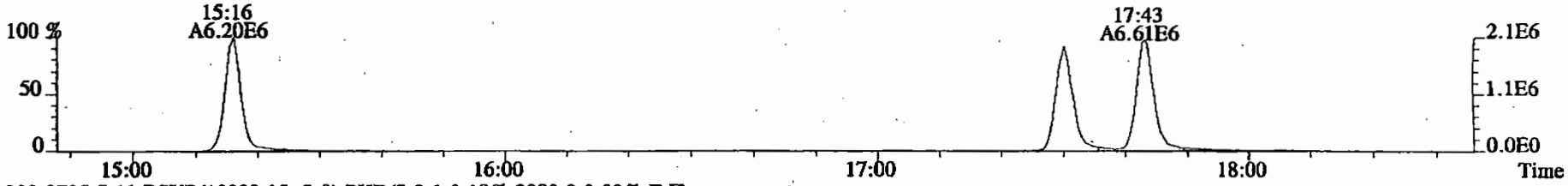
Reviewer Initial/Date: MS 10/20/07 QA* (Random 5% Check) Initial/Date: _____

Alta Analytical Laboratory
El Dorado Hills, CA 95762

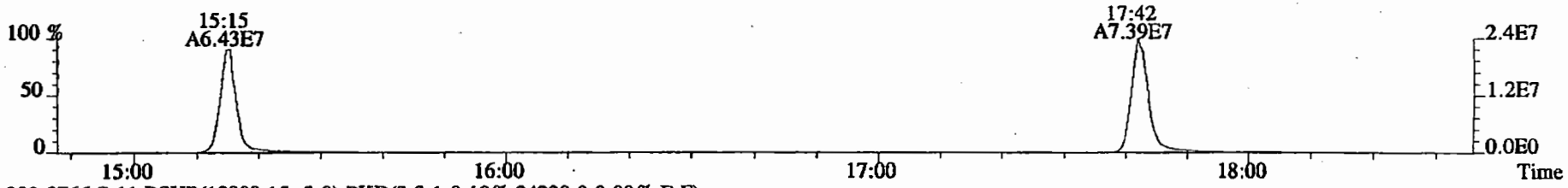
File:031019E1 #1-728 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
188.0393 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3532.0,0.00%,F,F)



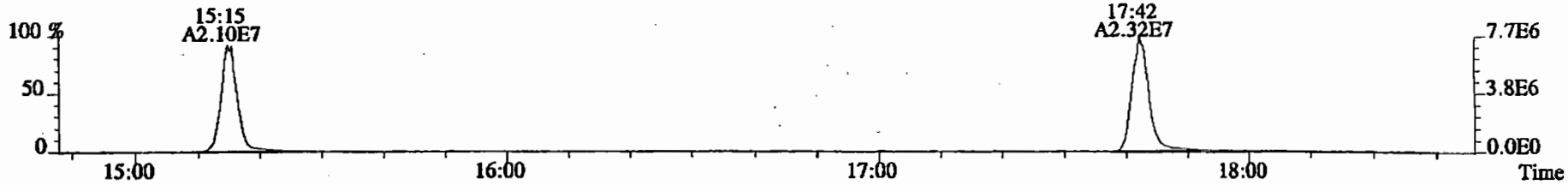
190.0363 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2260.0,0.00%,F,F)



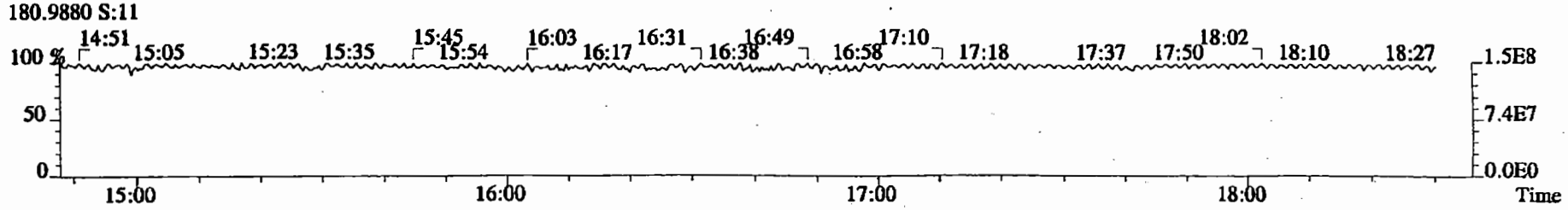
200.0795 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3900.0,0.00%,F,F)



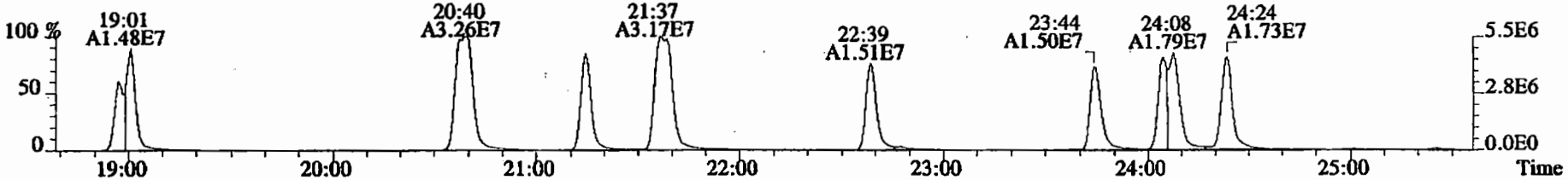
202.0766 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,24320.0,0.00%,F,F)



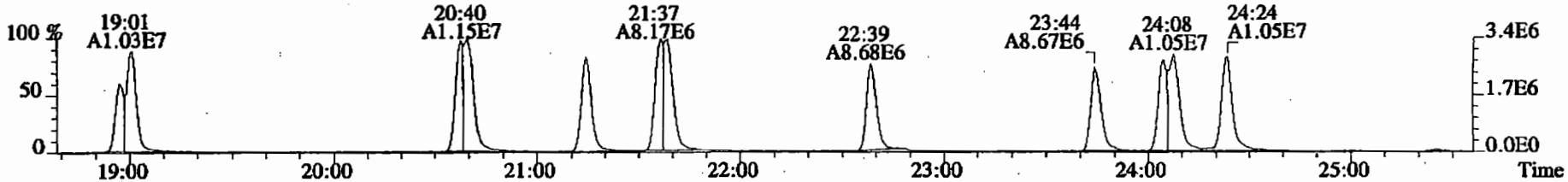
180.9880 S:11



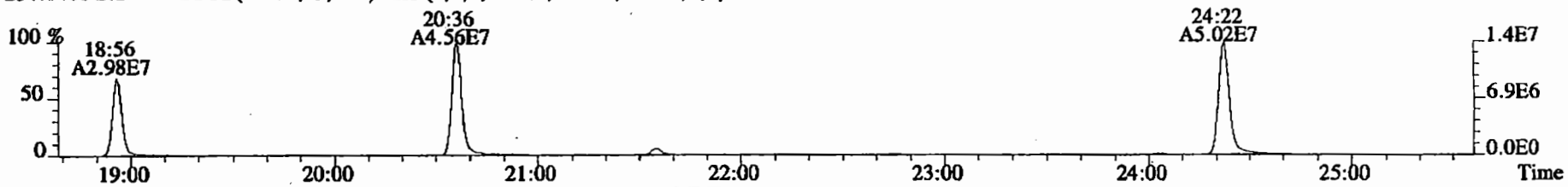
File:031019E1 #1-686 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
222.0003 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5596.0,0.00%,F,F)



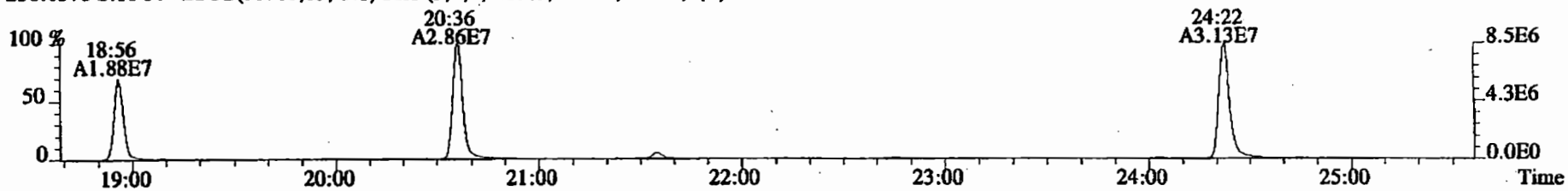
223.9974 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,20936.0,0.00%,F,F)



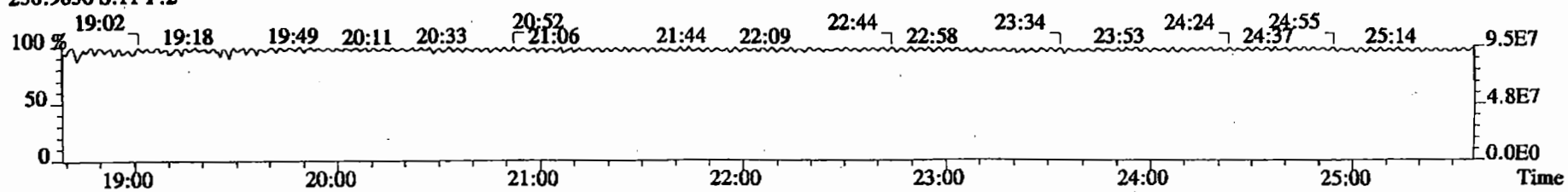
234.0406 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2060.0,0.00%,F,F)



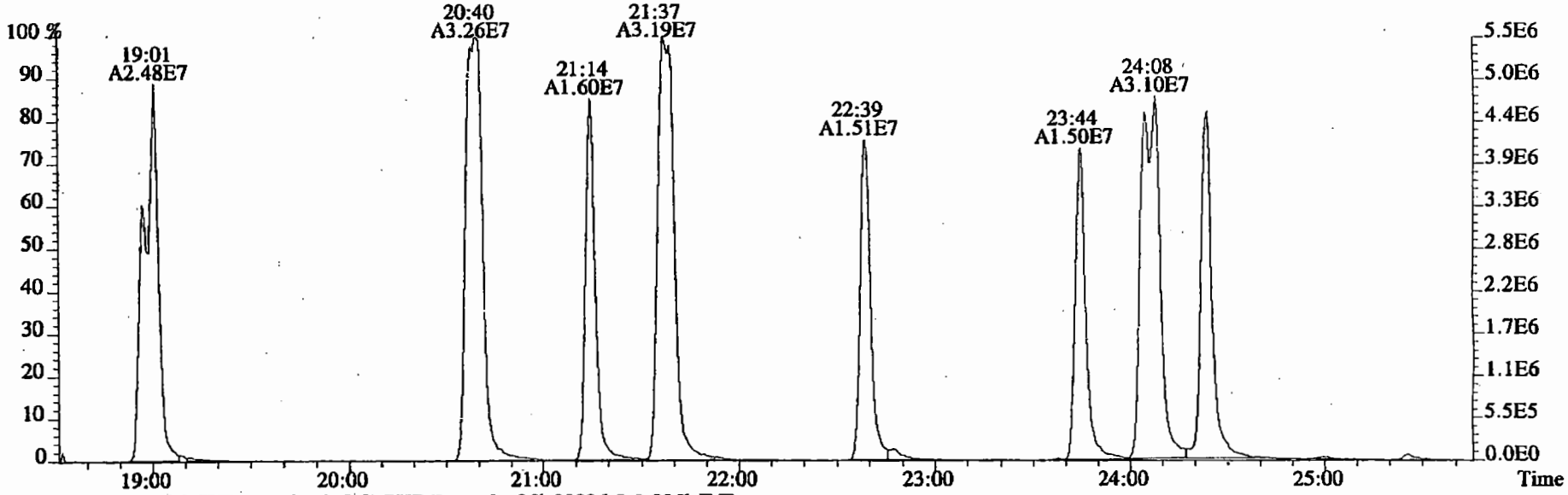
236.0376 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1532.0,0.00%,F,F)



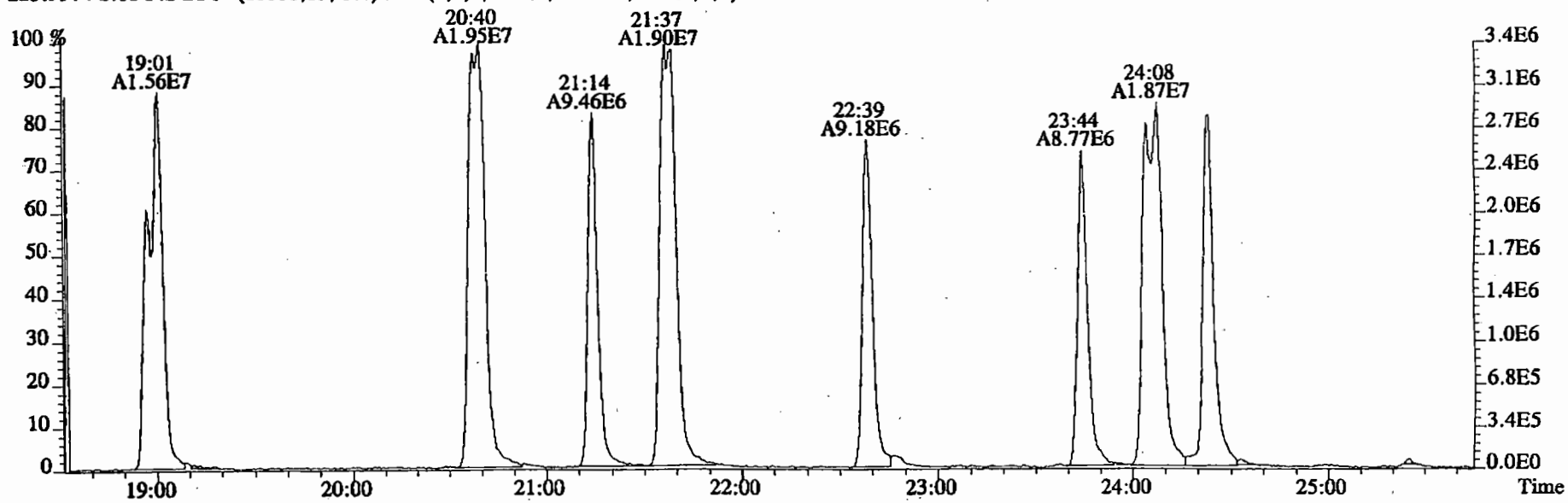
230.9856 S:11 F:2



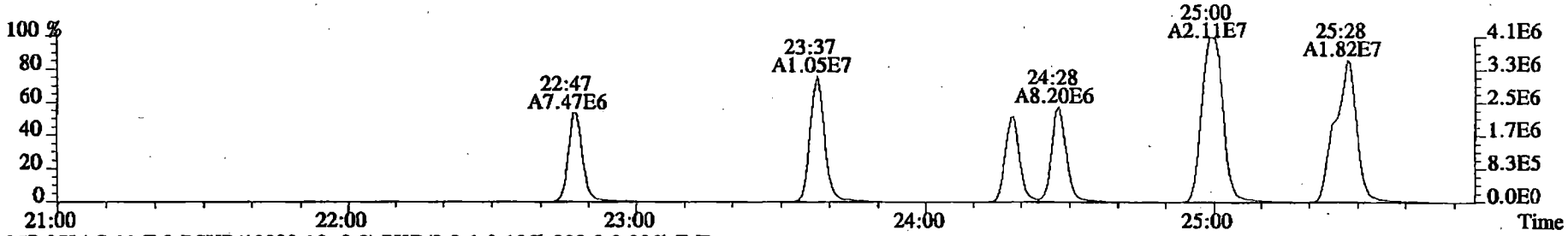
File:031019E1 #1-686 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
222.0003 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5596.0,0.00%,F,F)



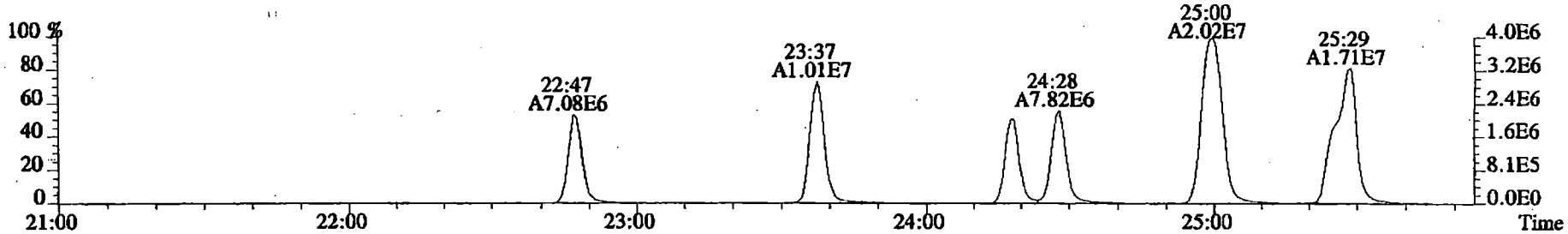
223.9974 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,20936.0,0.00%,F,F)



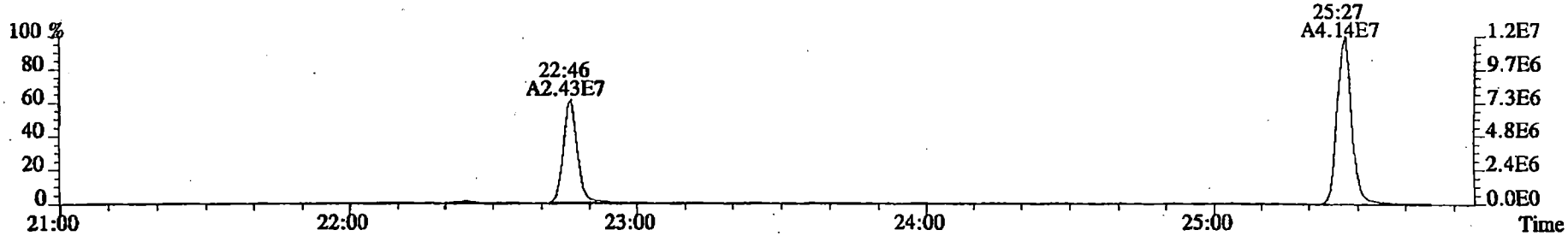
File:031019E1 #1-686 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
255.9613 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2288.0,0.00%,F,F)



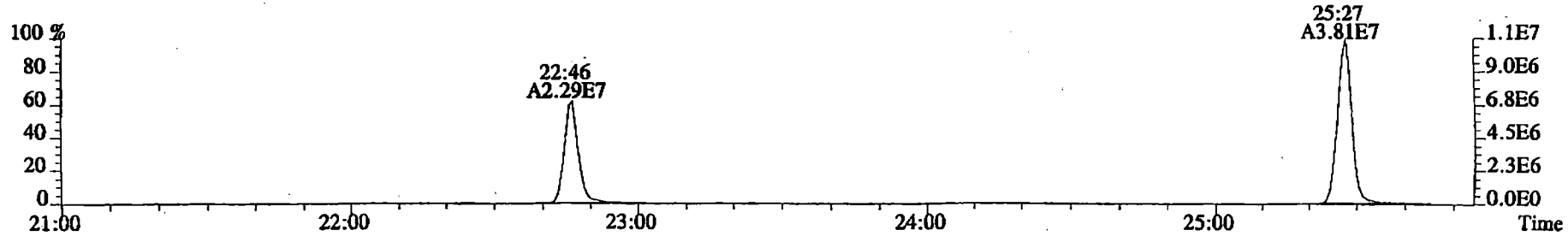
257.9584 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,988.0,0.00%,F,F)



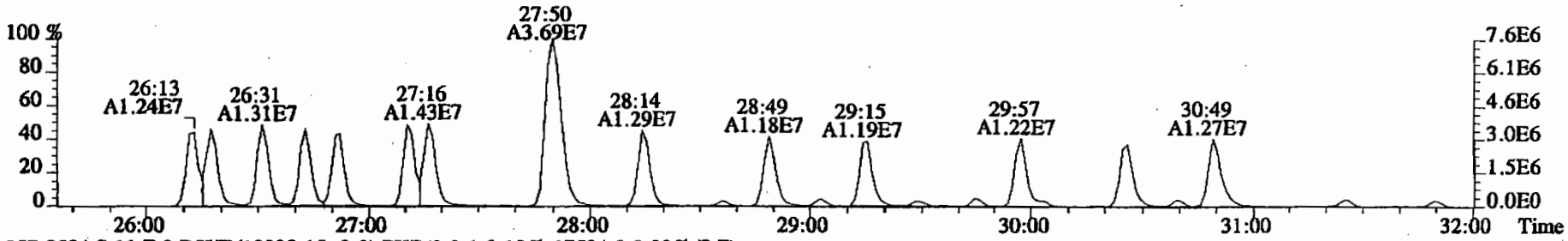
268.0016 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,34660.0,0.00%,F,F)



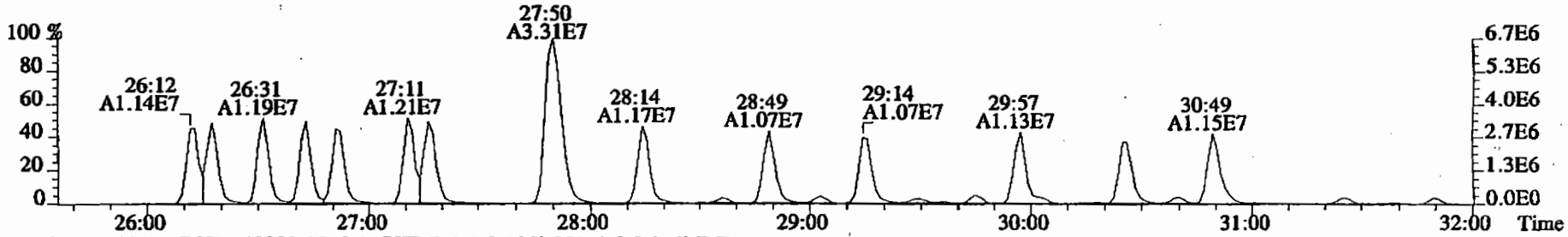
269.9986 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,14828.0,0.00%,F,F)



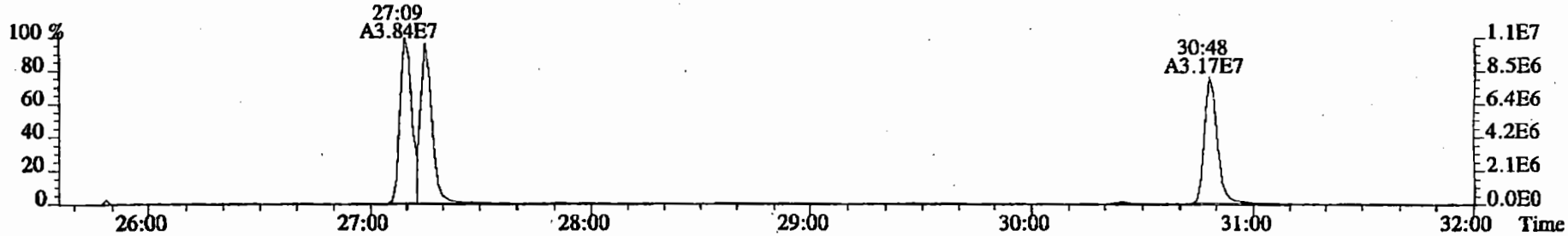
File:031019E1 #1-681 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
255.9613 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,7768.0,0.00%,F,F)



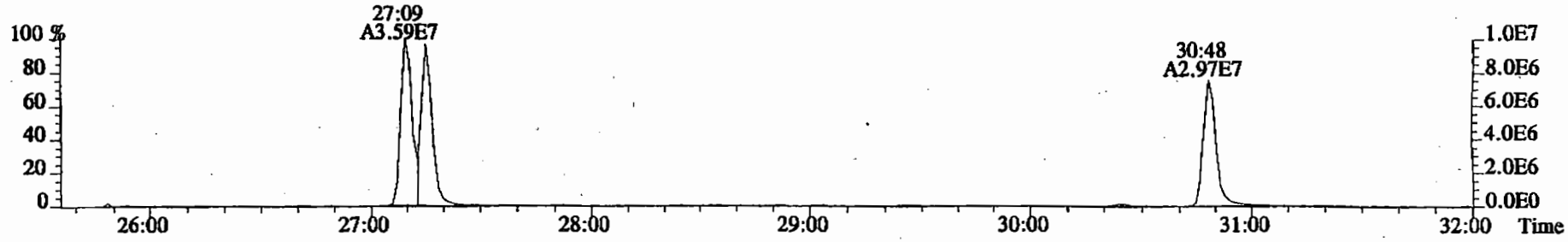
257.9584 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,17524.0,0.00%,F,F)



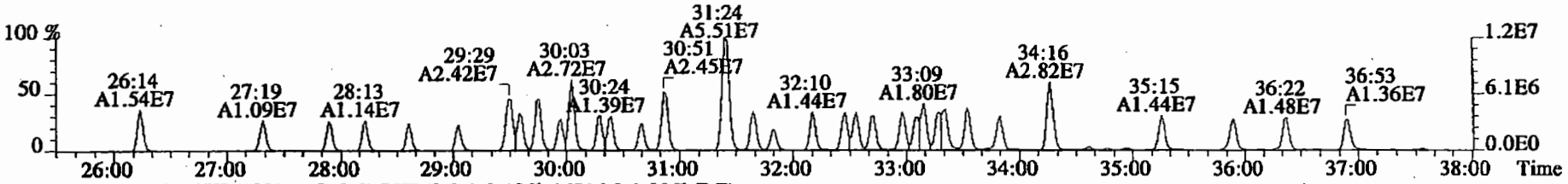
268.0016 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,33388.0,0.00%,F,F)



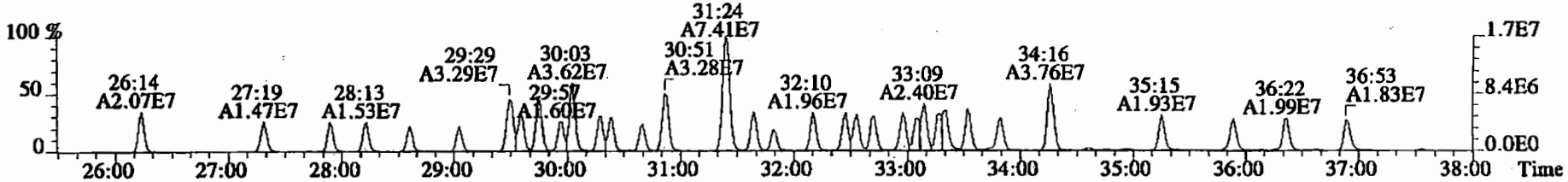
269.9986 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,16028.0,0.00%,F,F)



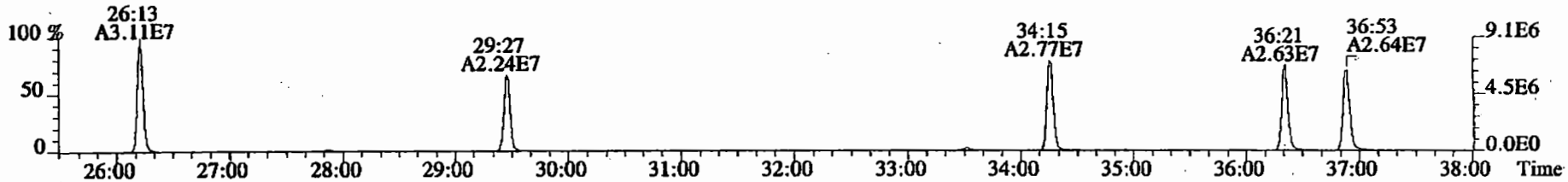
File:031019E1 #1-681 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,11620.0,0.00%,F,F)



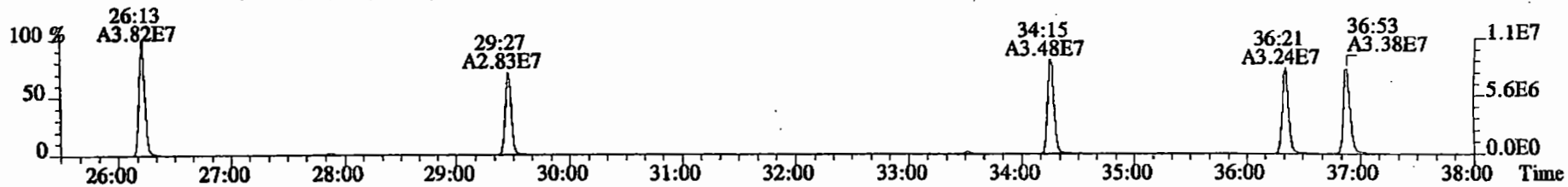
291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,16816.0,0.00%,F,F)



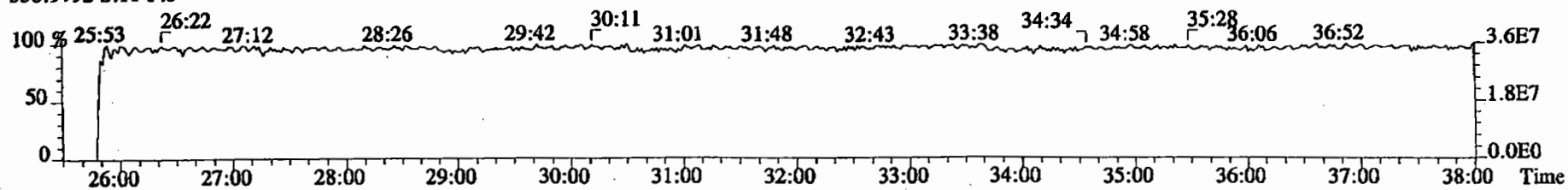
301.9626 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2028.0,0.00%,F,F)



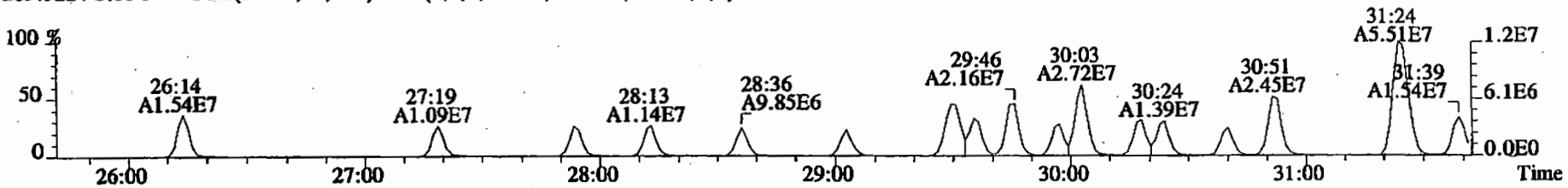
303.9597 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1948.0,0.00%,F,F)



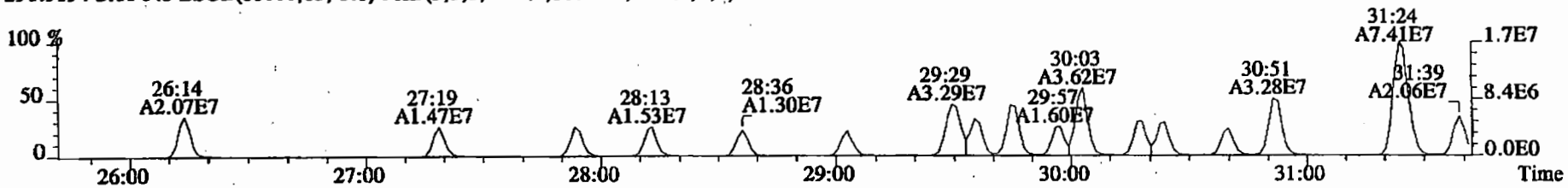
330.9792 S:11 F:3



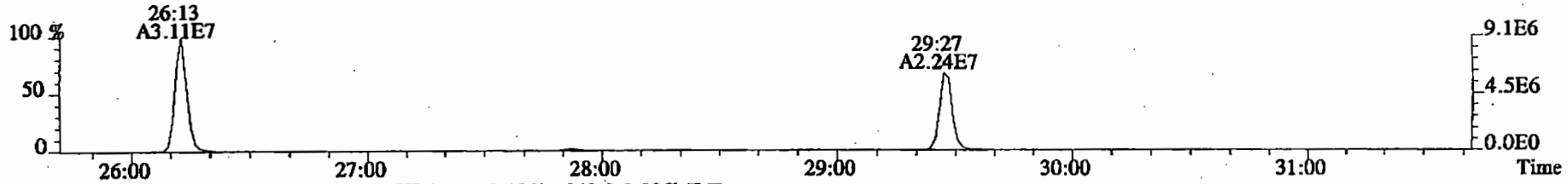
File:031019E1 #1-681 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,11620.0,0.00%,F,F)



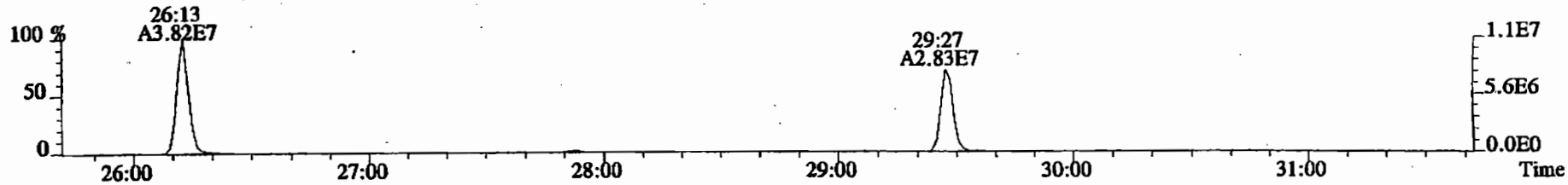
291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,16816.0,0.00%,F,F)



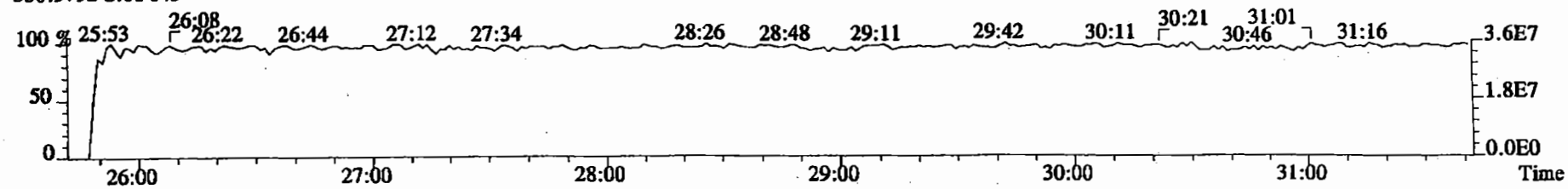
301.9626 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2028.0,0.00%,F,F)



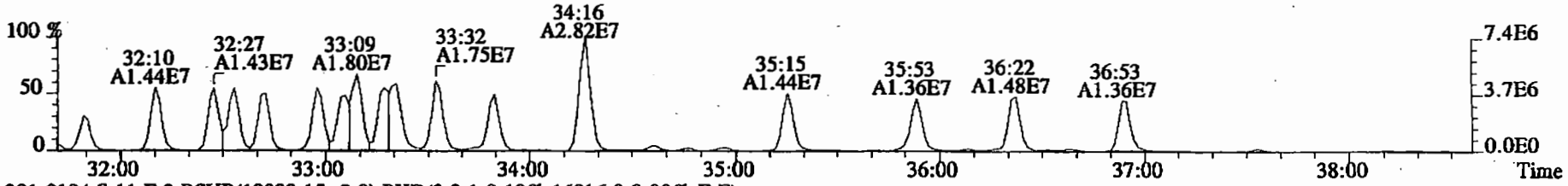
303.9597 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1948.0,0.00%,F,F)



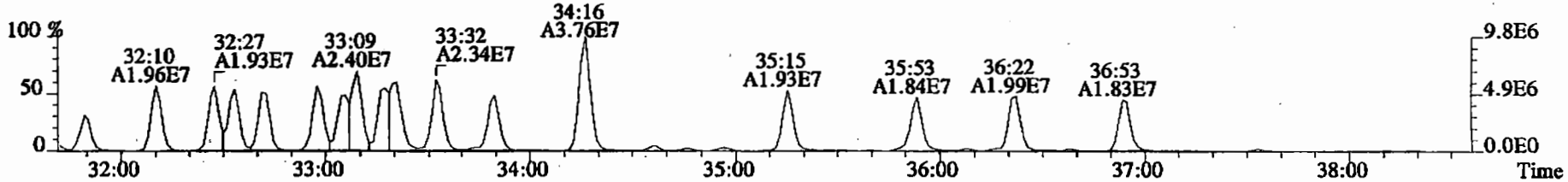
330.9792 S:11 F:3



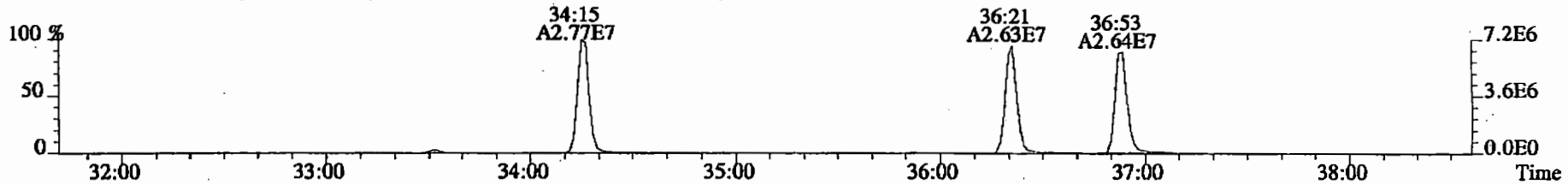
File:031019E1 #1-681 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,11620.0,0.00%,F,F)



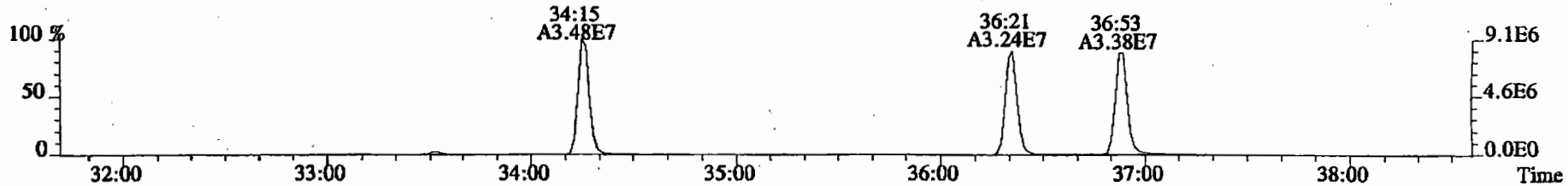
291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,16816.0,0.00%,F,F)



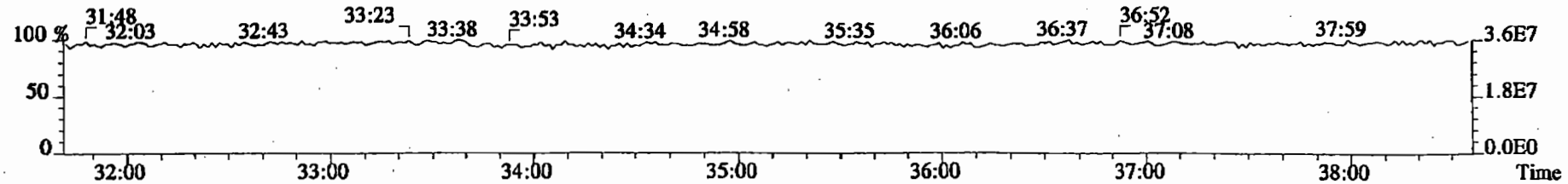
301.9626 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2028.0,0.00%,F,F)



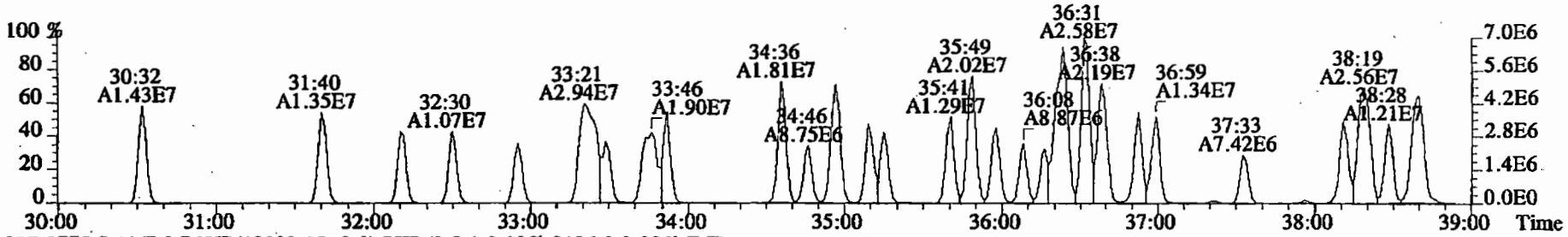
303.9597 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1948.0,0.00%,F,F)



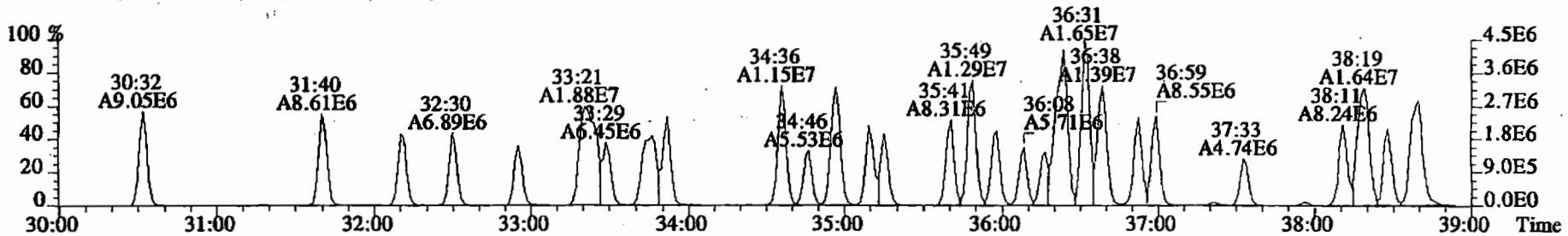
330.9792 S:11 F:3



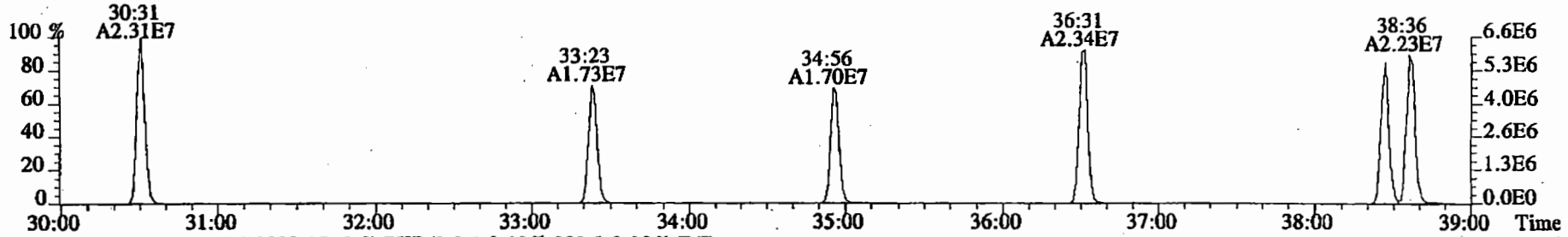
File:031019E1 #1-681 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
325.8804 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



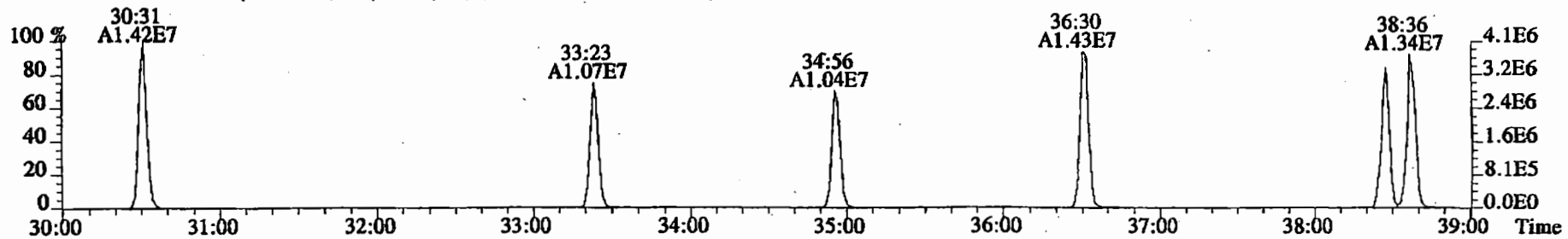
327.8775 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2196.0,0.00%,F,F)



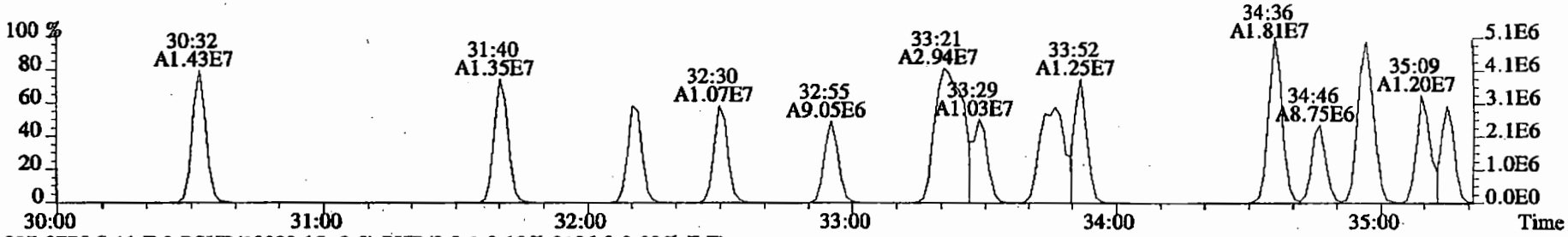
337.9207 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,264.0,0.00%,F,F)



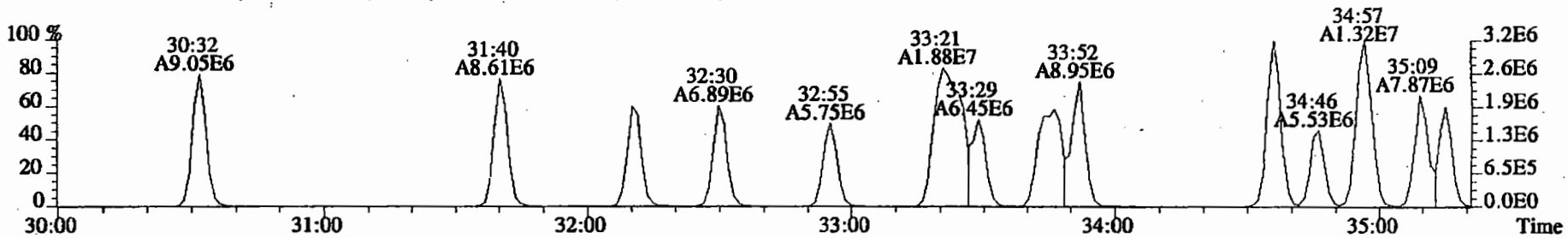
339.9177 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,232.0,0.00%,F,F)



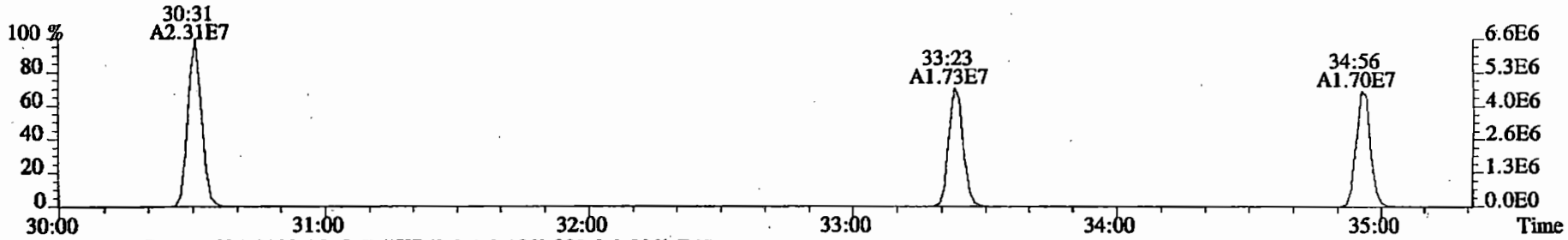
File:031019E1 #1-681 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
325.8804 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



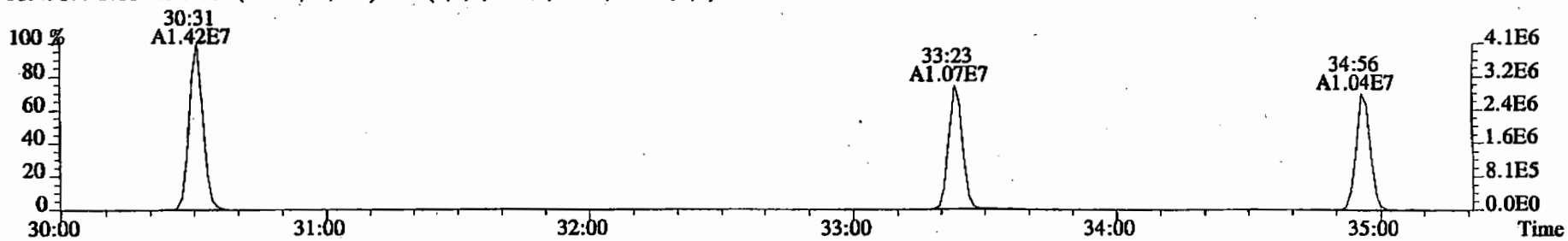
327.8775 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2196.0,0.00%,F,F)



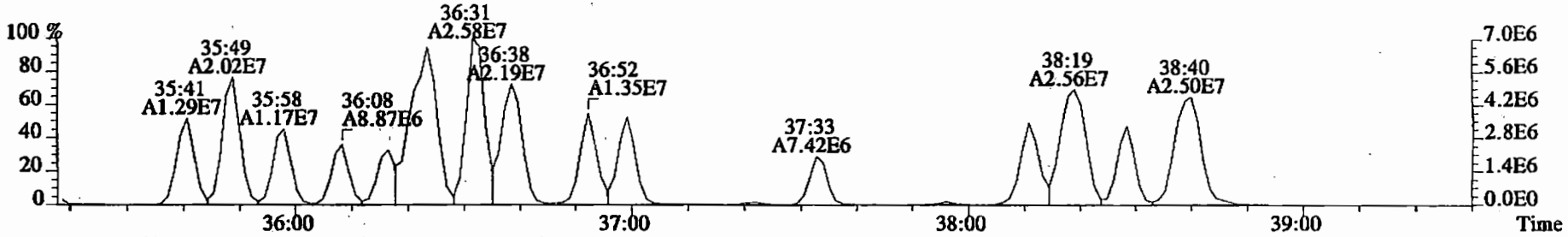
337.9207 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,264.0,0.00%,F,F)



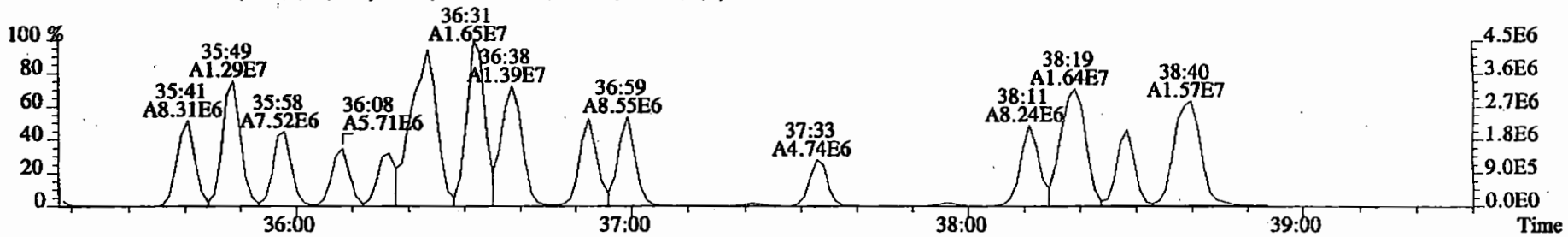
339.9177 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,232.0,0.00%,F,F)



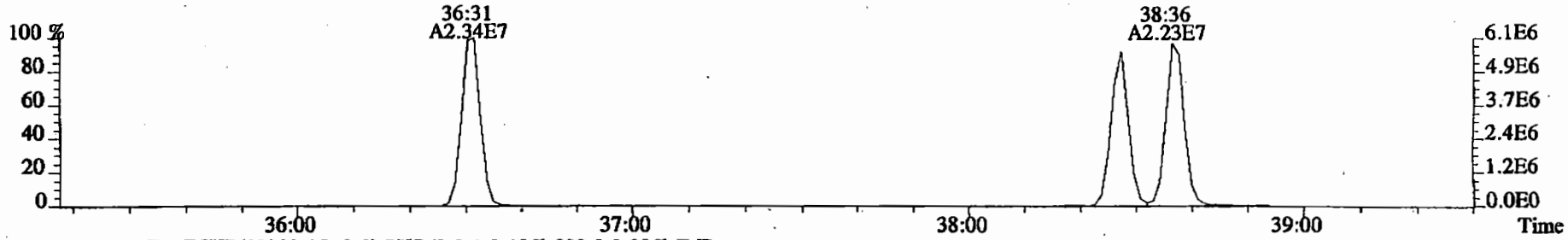
File:031019E1 #1-681 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
325.8804 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



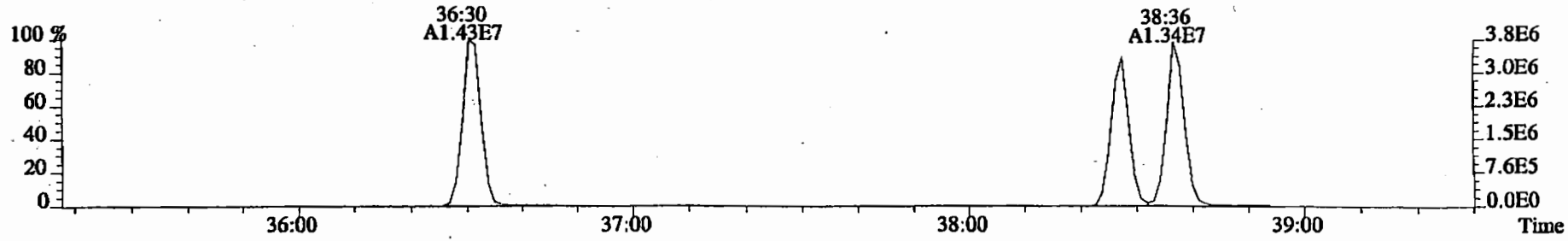
327.8775 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2196.0,0.00%,F,F)



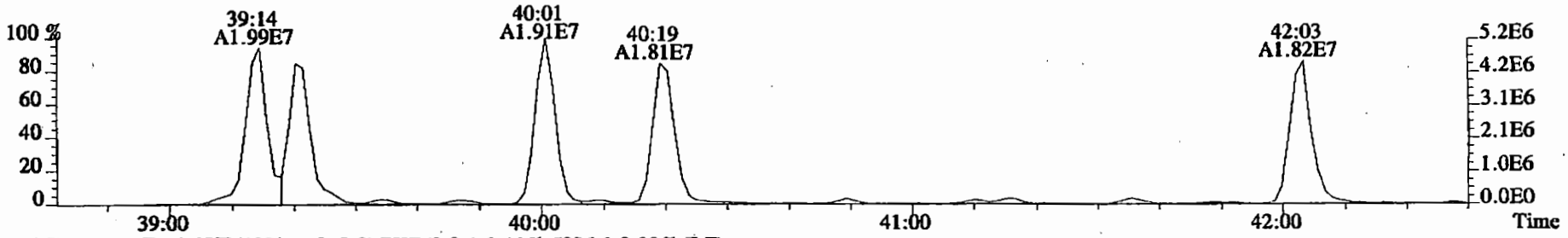
337.9207 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,264.0,0.00%,F,F)



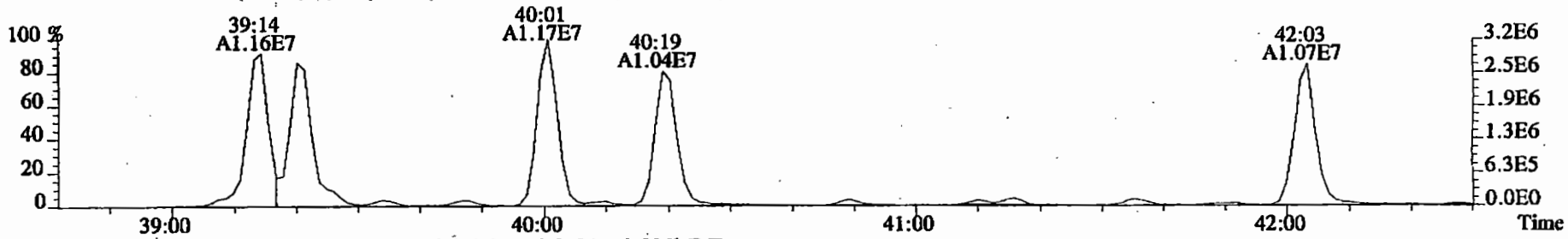
339.9177 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,232.0,0.00%,F,F)



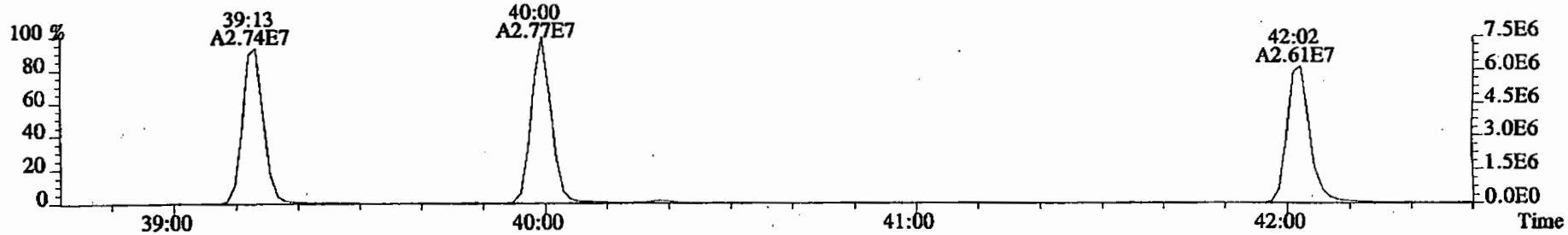
File:031019E1 #1-511 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
325.8804 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3568.0,0.00%,F,F)



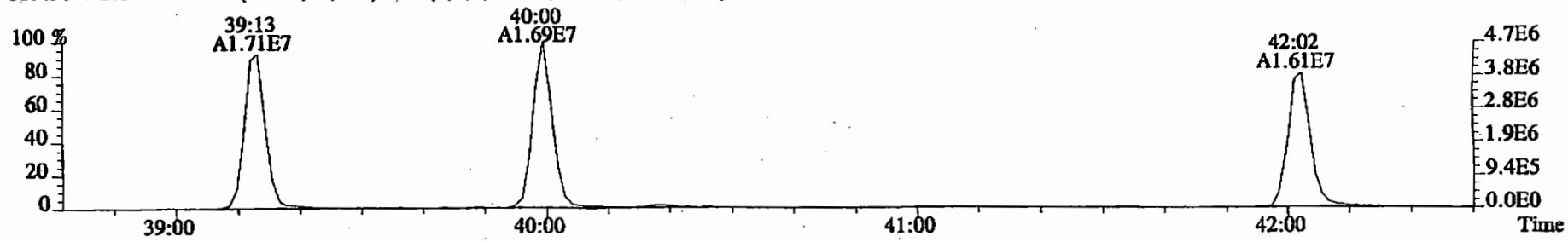
327.8775 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5036.0,0.00%,F,F)



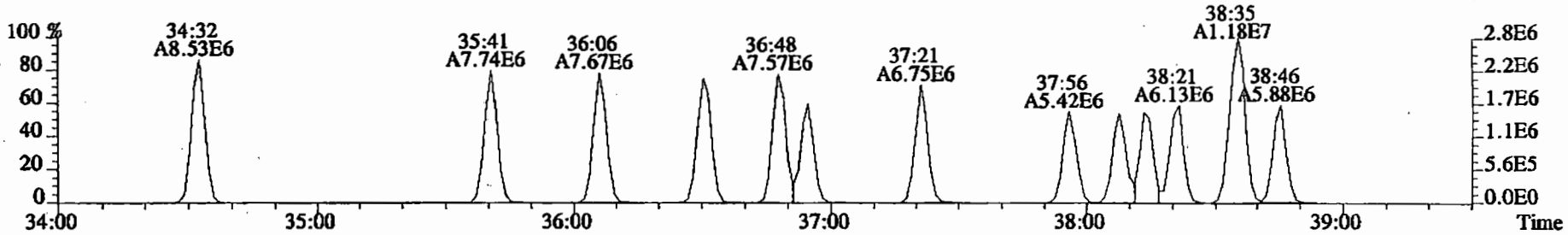
337.9207 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2424.0,0.00%,F,F)



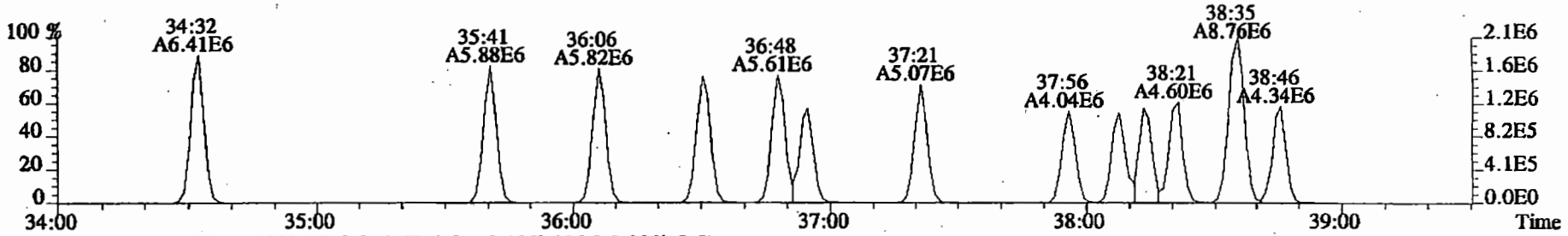
339.9177 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2180.0,0.00%,F,F)



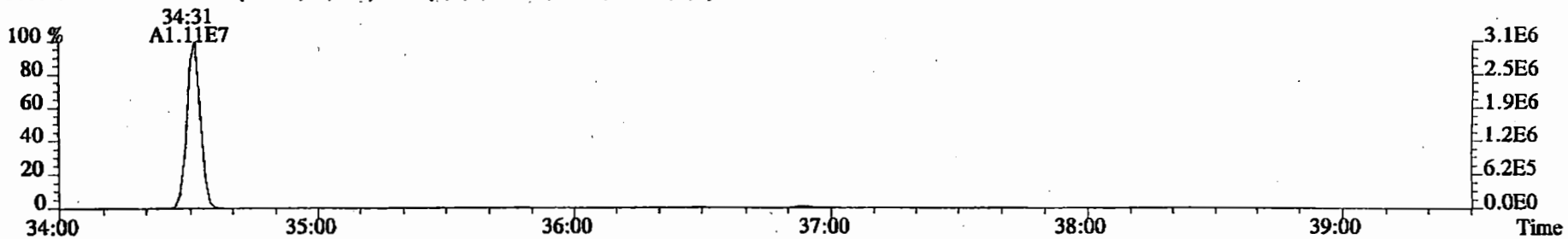
File:031019E1 #1-681 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
359.8415 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,184.0,0.00%,F,F)



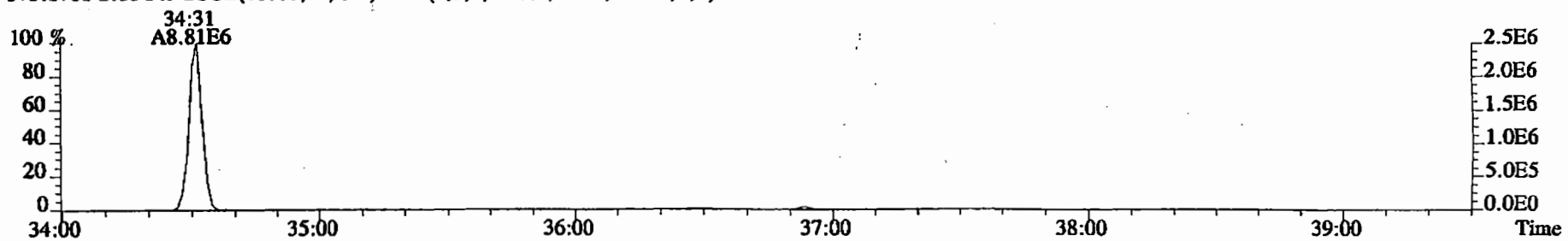
361.8385 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,156.0,0.00%,F,F)



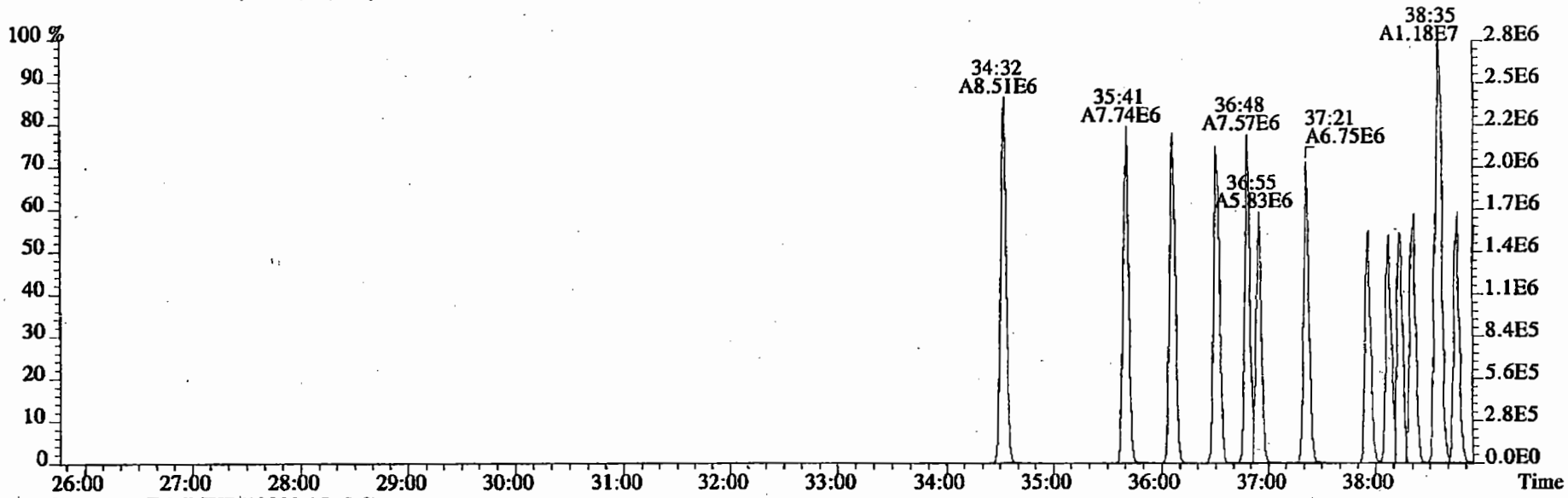
371.8817 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,196.0,0.00%,F,F)



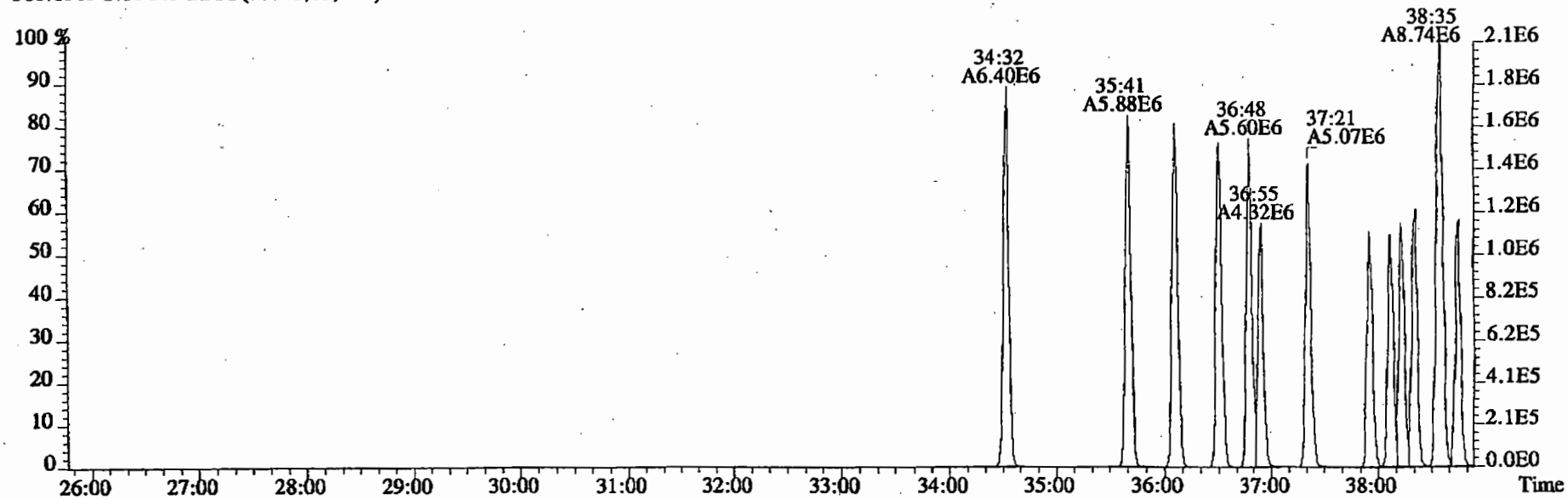
373.8788 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,196.0,0.00%,F,F)



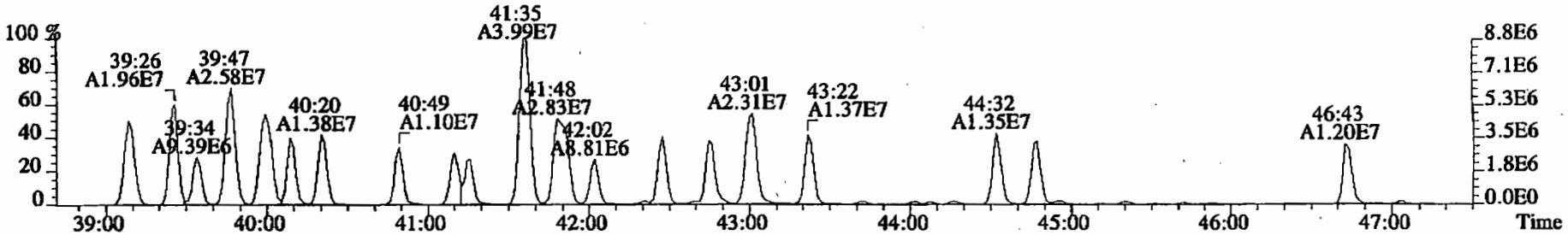
File:031019E1 #1-681 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
359.8415 S:11 F:3 BSUB(10000,15,-3.0)



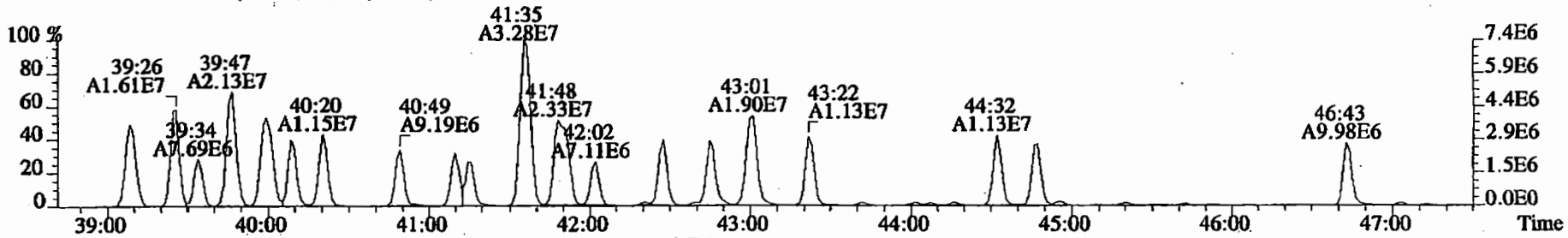
361.8385 S:11 F:3 BSUB(10000,15,-3.0)



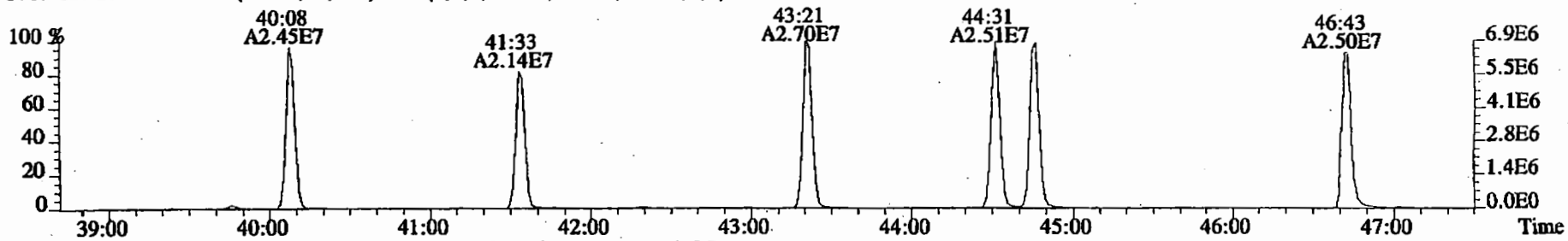
File:031019E1 #1-511 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
359.8415 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,7272.0,0.00%,F,F)



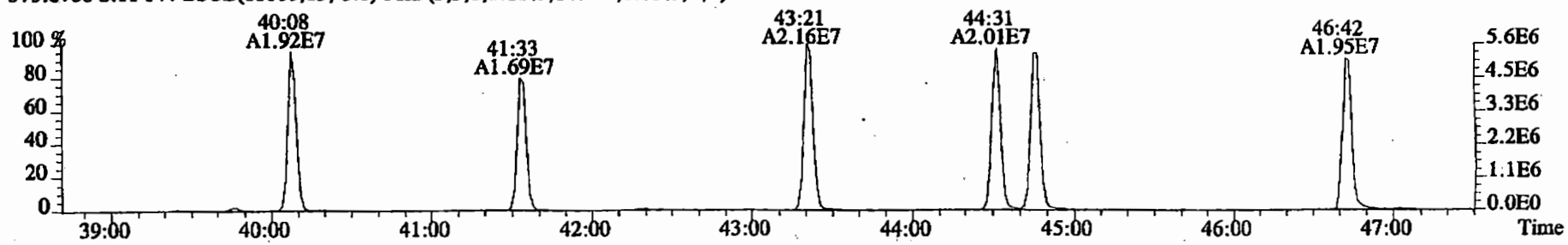
361.8385 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,7100.0,0.00%,F,F)



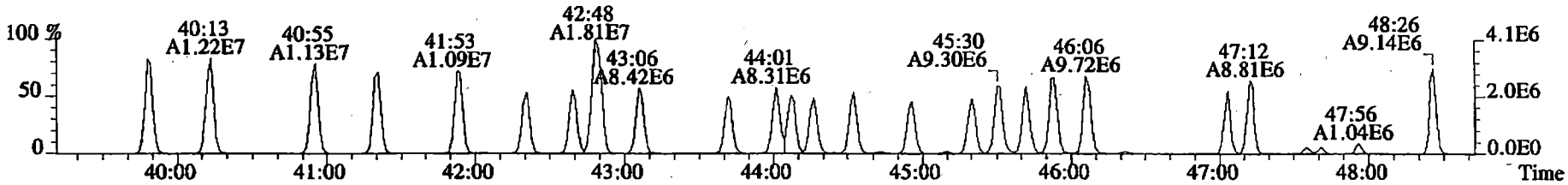
371.8817 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3804.0,0.00%,F,F)



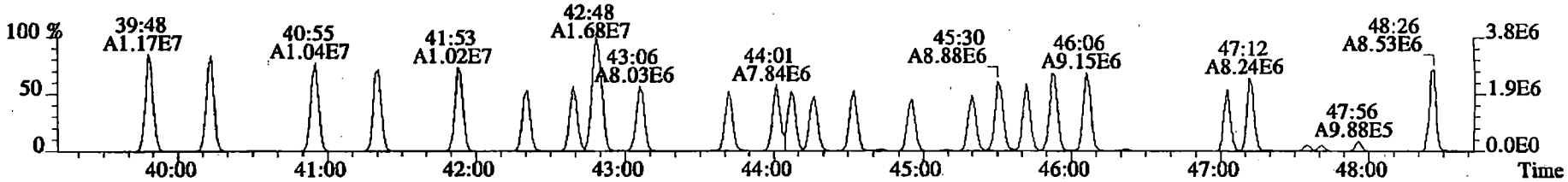
373.8788 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2208.0,0.00%,F,F)



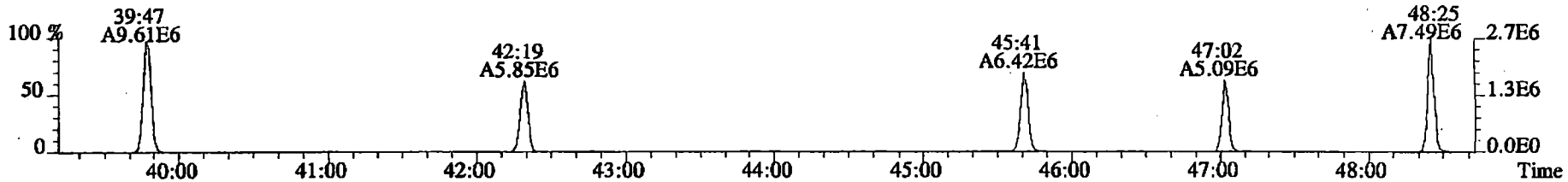
File:031019E1 #1-511 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
393.8025 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4616.0,0.00%,F,F)



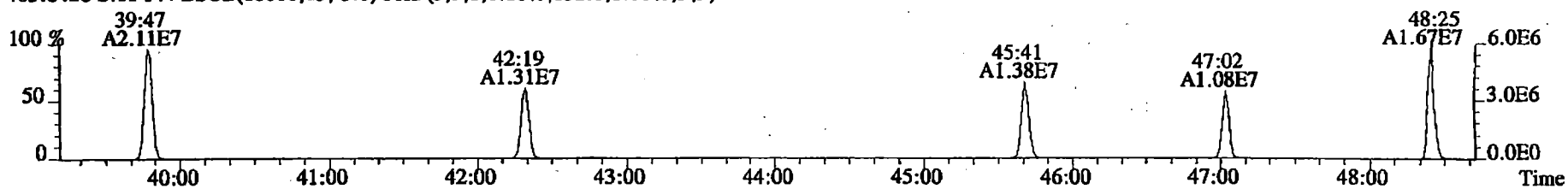
395.7995 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3320.0,0.00%,F,F)



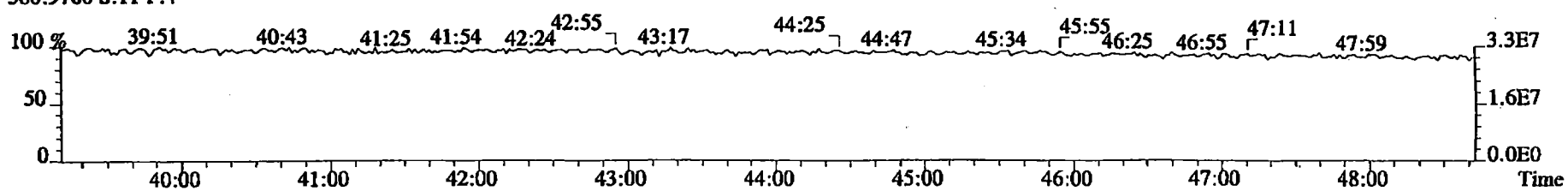
403.8457 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,152.0,0.00%,F,F)



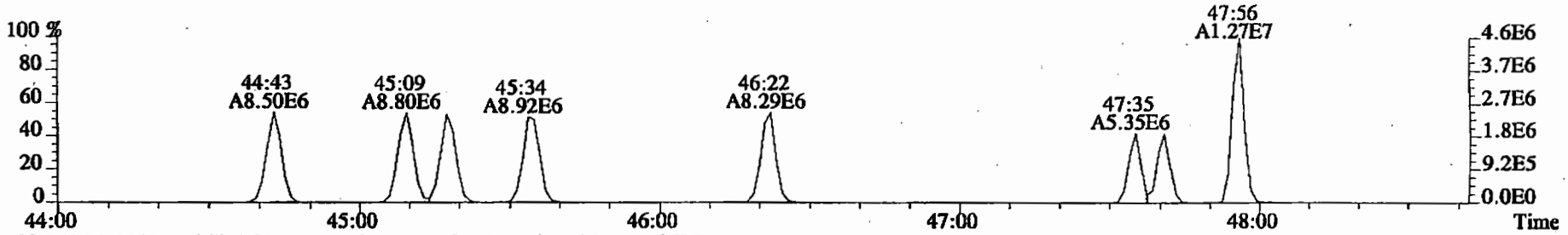
405.8428 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,152.0,0.00%,F,F)



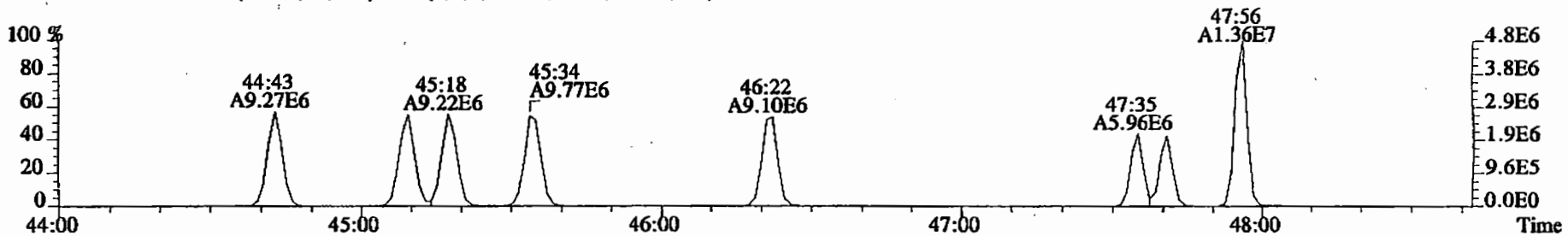
380.9760 S:11 F:4



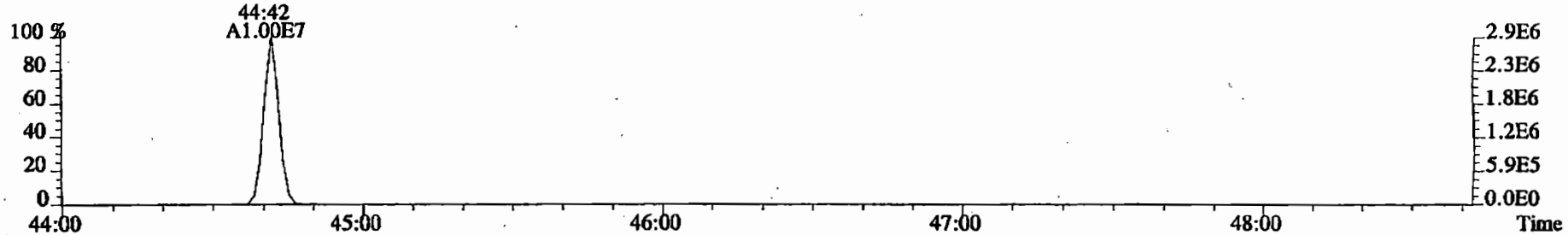
File:031019E1 #1-511 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
427.7635 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,120.0,0.00%,F,F)



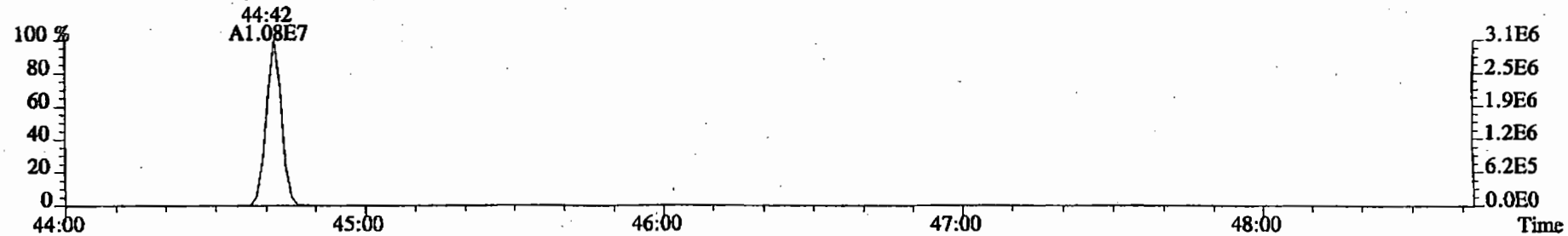
429.7606 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



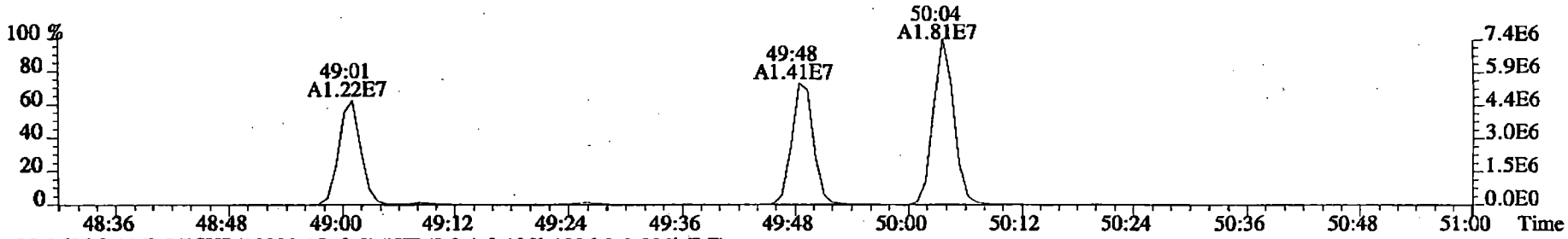
439.8038 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,144.0,0.00%,F,F)



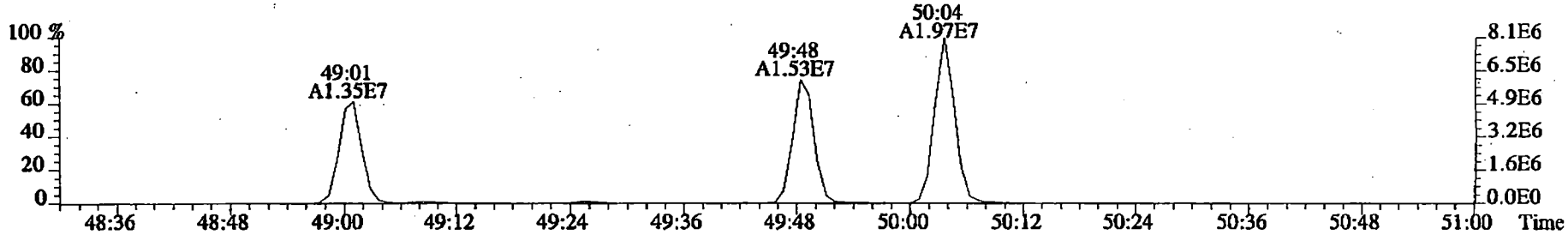
441.8008 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,140.0,0.00%,F,F)



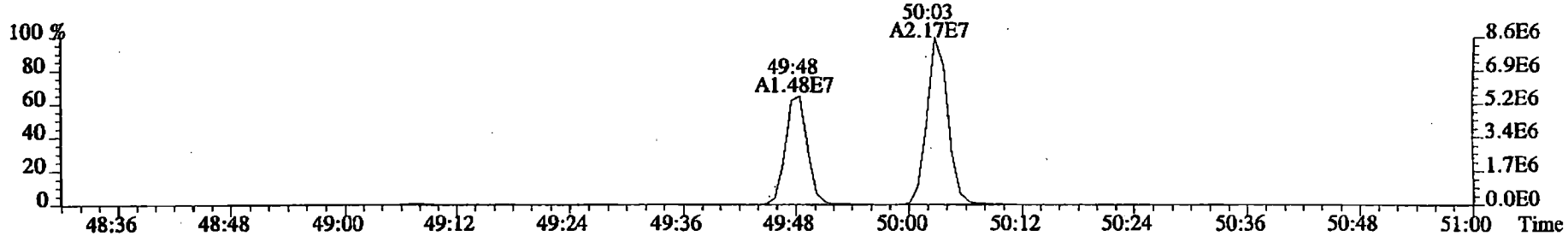
File:031019E1 #1-418 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
427.7635 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,724.0,0.00%,F,F)



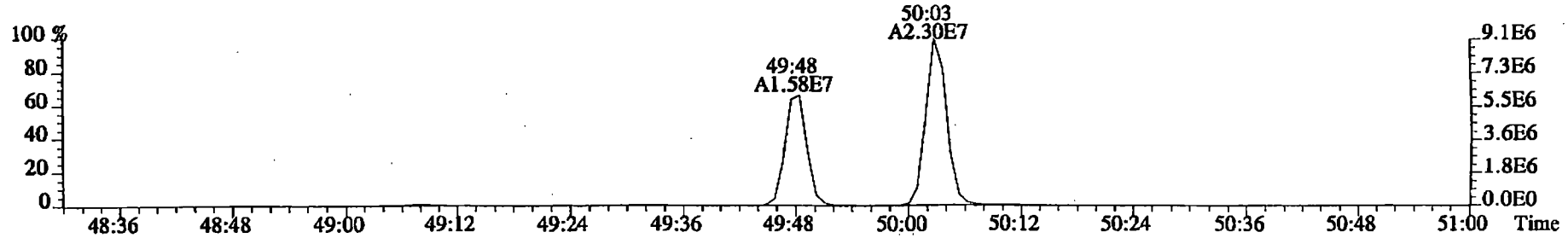
429.7606 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1296.0,0.00%,F,F)



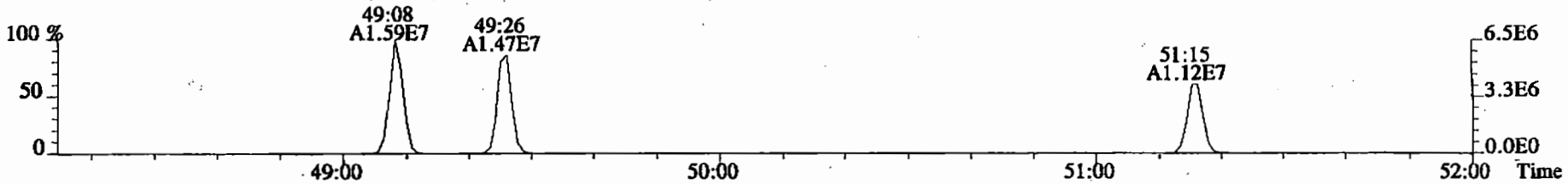
439.8038 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,132.0,0.00%,F,F)



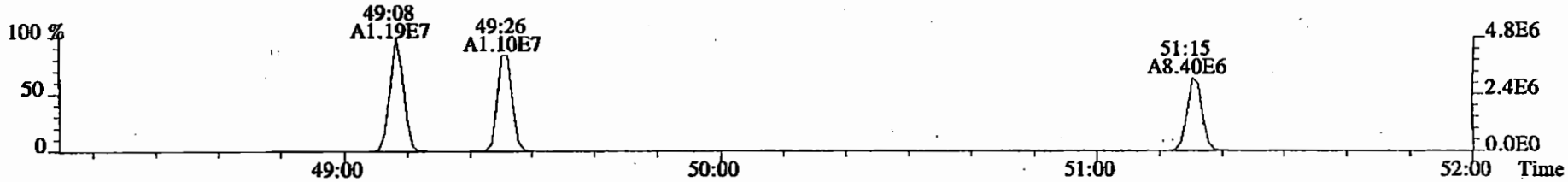
441.8008 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,136.0,0.00%,F,F)



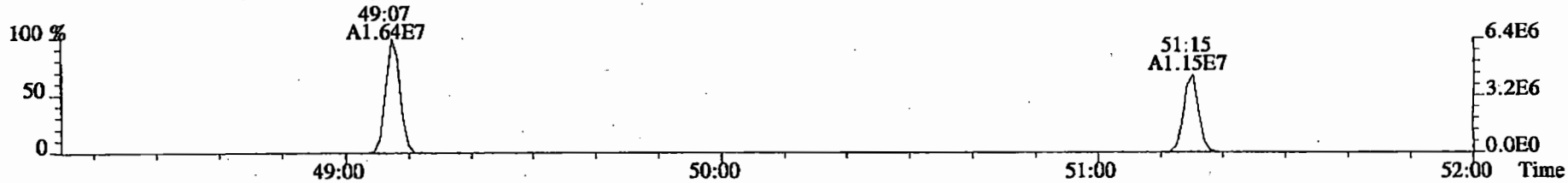
File:031019E1 #1-418 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
463.7216 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F)



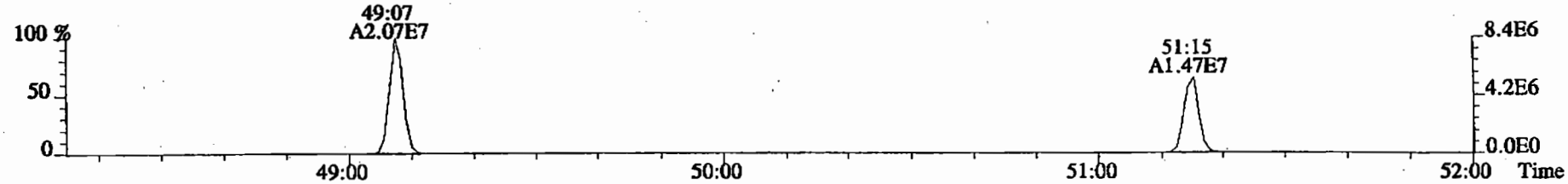
465.7186 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,136.0,0.00%,F,F)



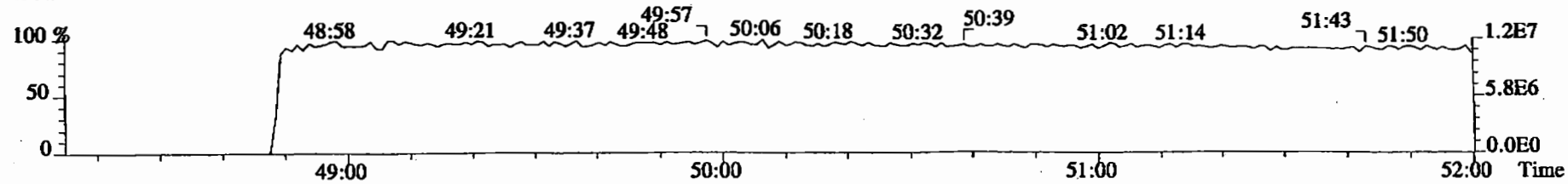
473.7648 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,136.0,0.00%,F,F)



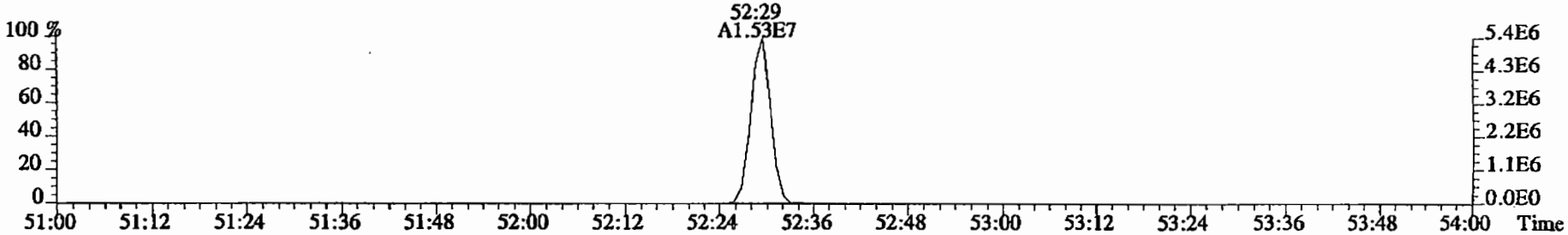
475.7619 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,160.0,0.00%,F,F)



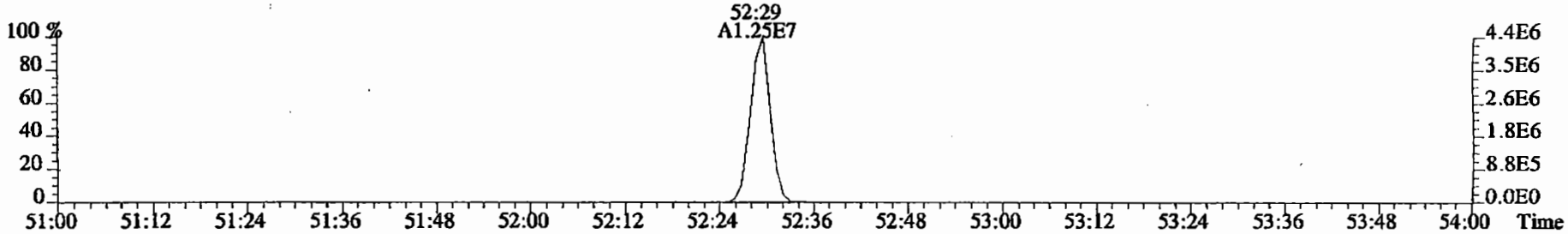
492.9697 S:11 F:5



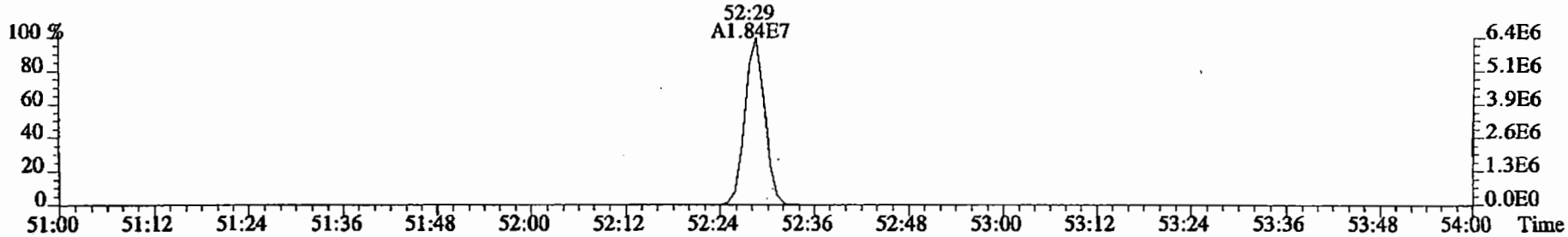
File:031019E1 #1-418 Acq:19-OCT-2003 20:31:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Alta Analytical Laboratory Text:ST031019E1-2 PCB 209 CS3 030916G Exp:PCB_DB1
497.6826 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,116.0,0.00%,F,F)



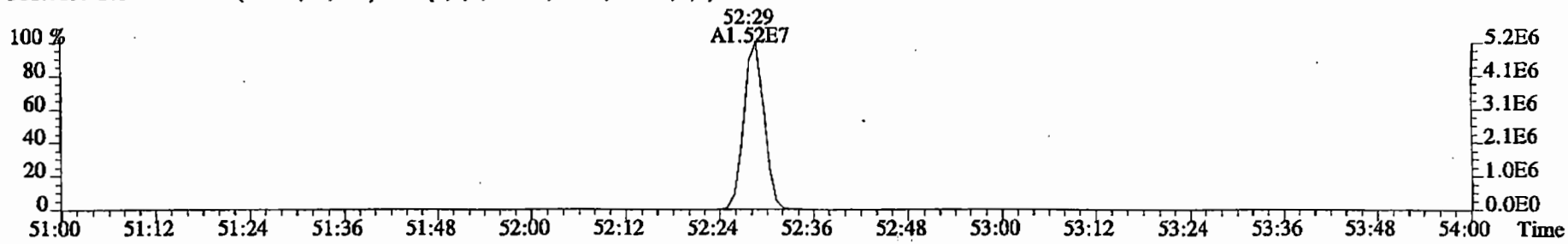
499.6797 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,112.0,0.00%,F,F)



509.7229 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,140.0,0.00%,F,F)

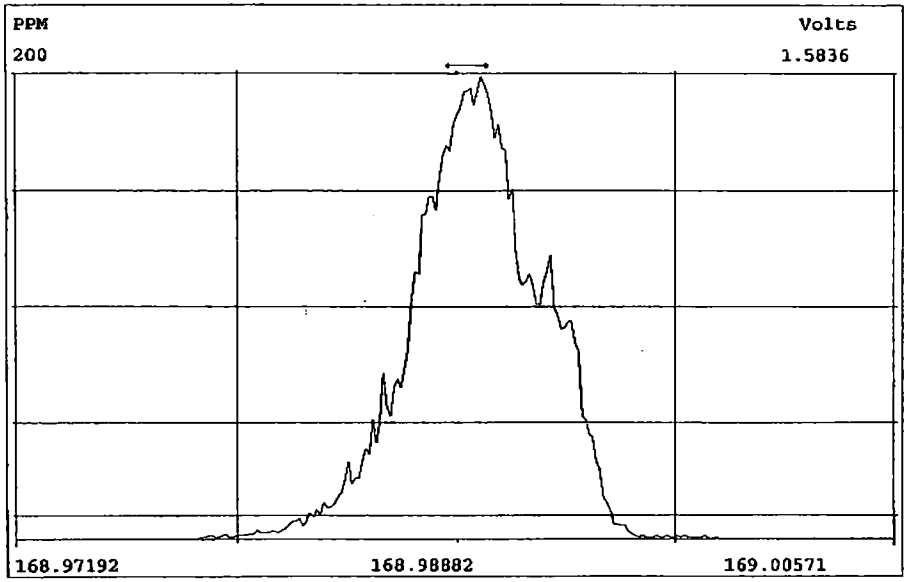


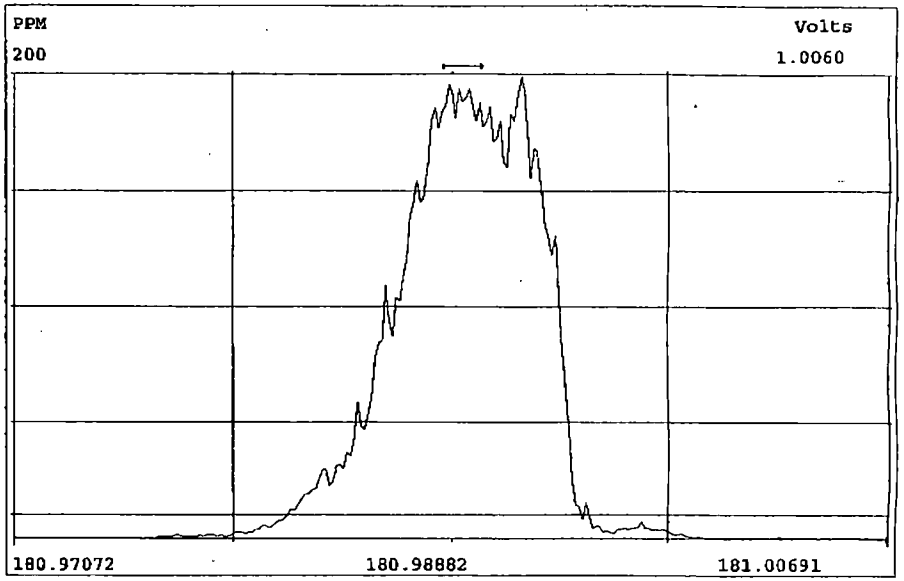
511.7199 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,128.0,0.00%,F,F)

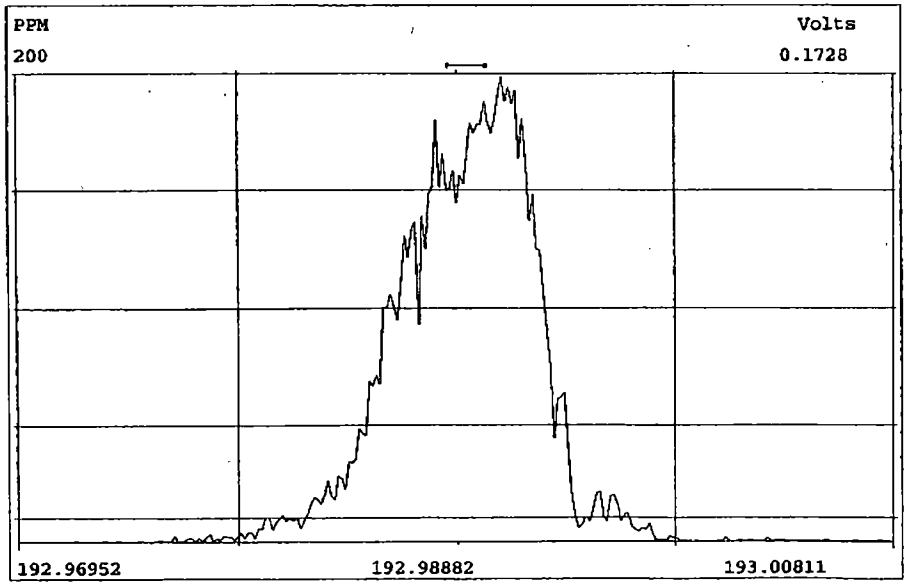


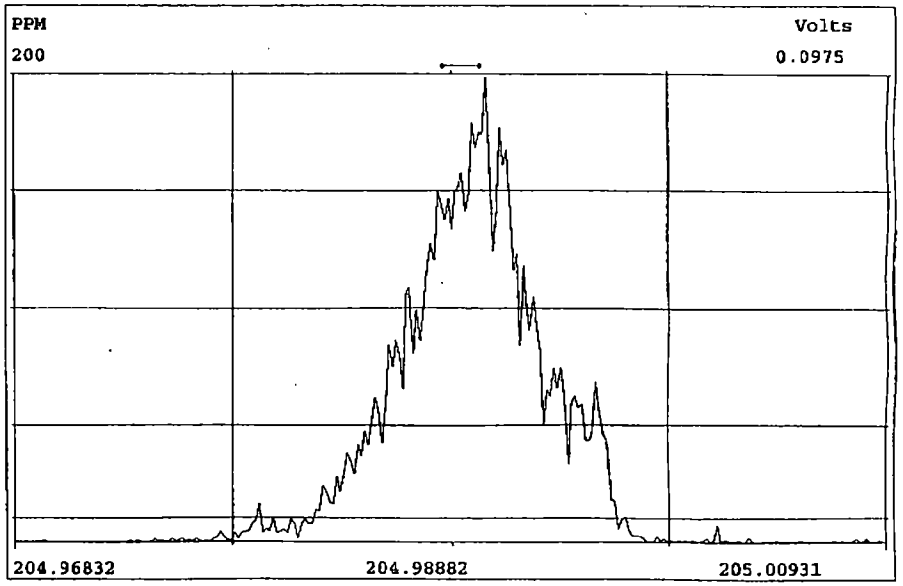
Peak Locate Examination:19-OCT-2003:21:41 File:RES_CHECK

Experiment:PCB_DB1 Function:1 Reference:PFK



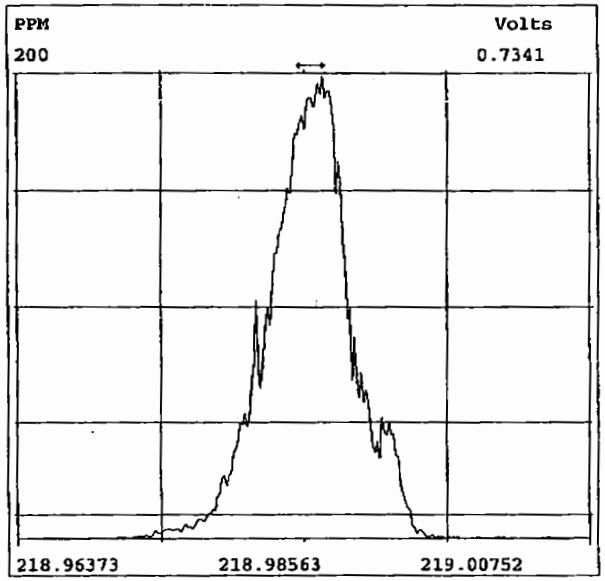


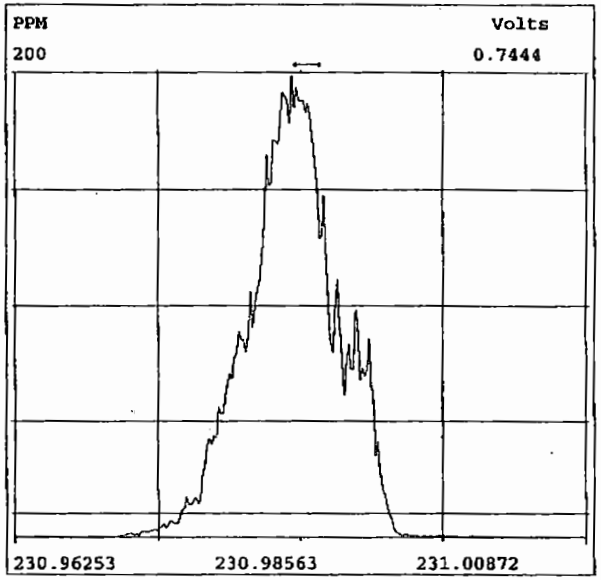


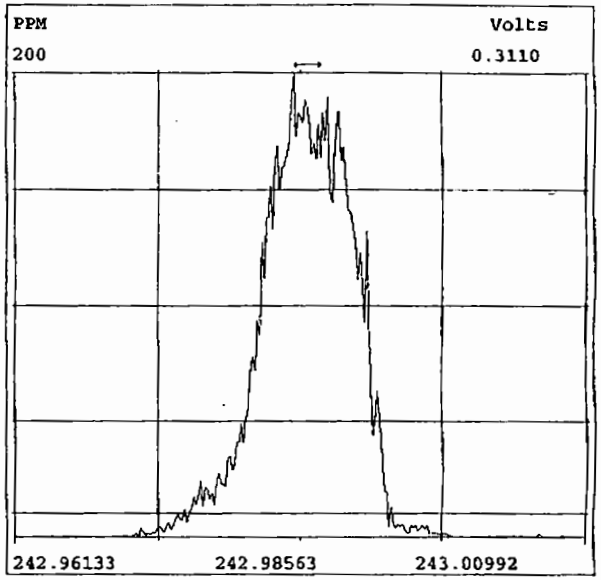


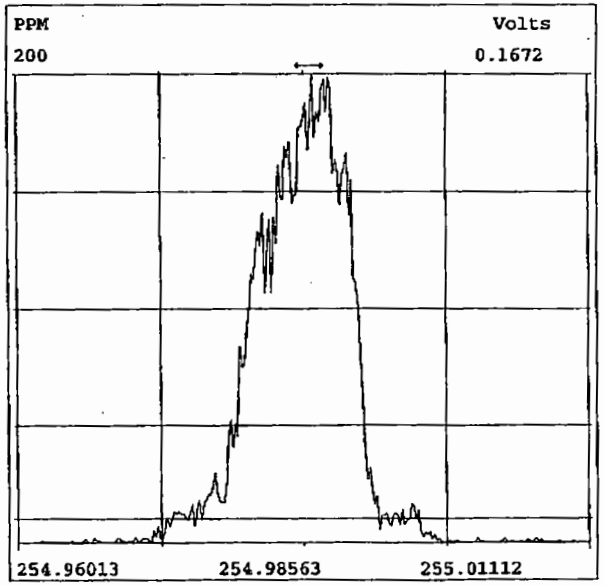
Peak Locate Examination:19-OCT-2003:21:42 File:RES_CHECK

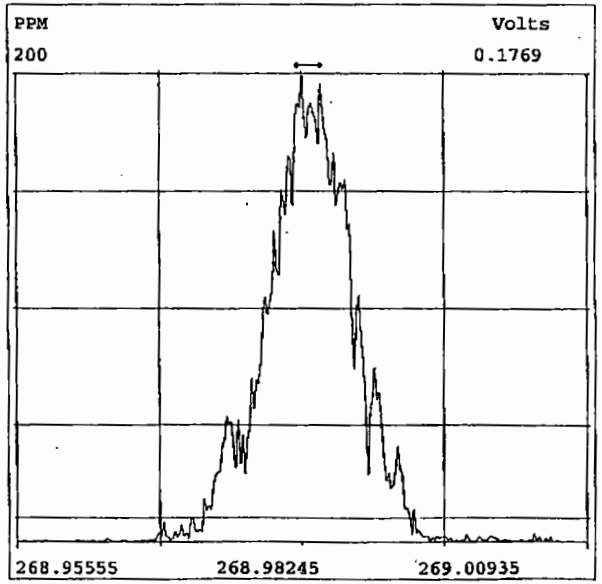
Experiment:PCB_DB1 Function:2 Reference:PFK

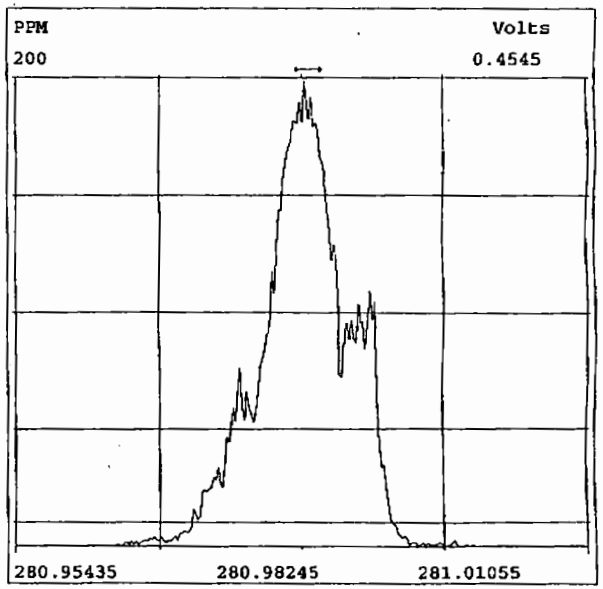






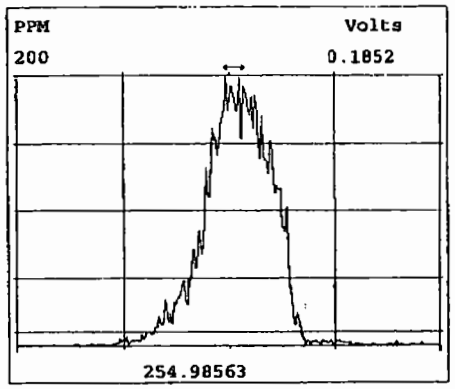


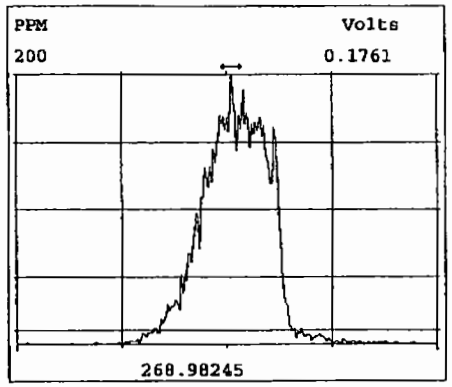


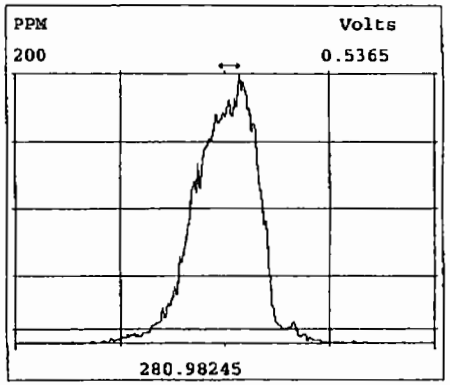


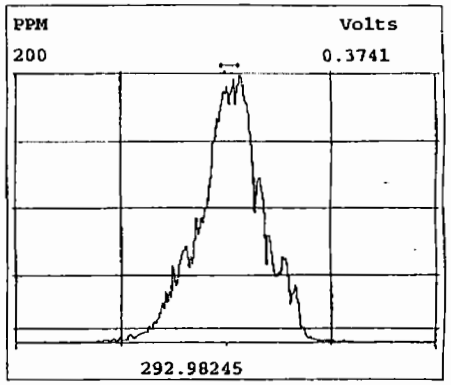
Peak Locate Examination:19-OCT-2003:21:43 File:RES_CHECK

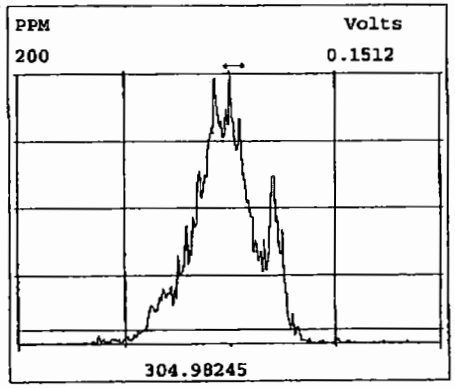
Experiment:PCB_DB1 Function:3 Reference:PFK

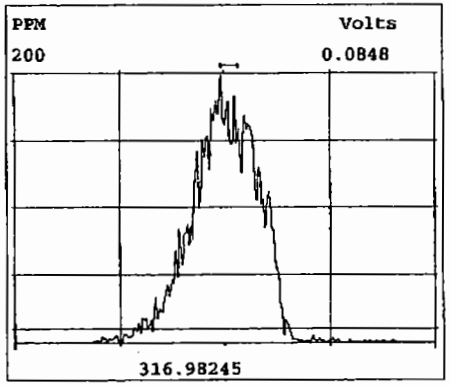


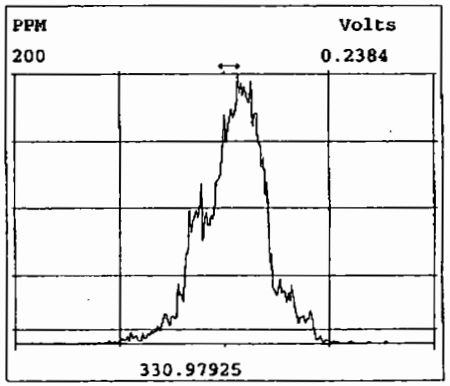


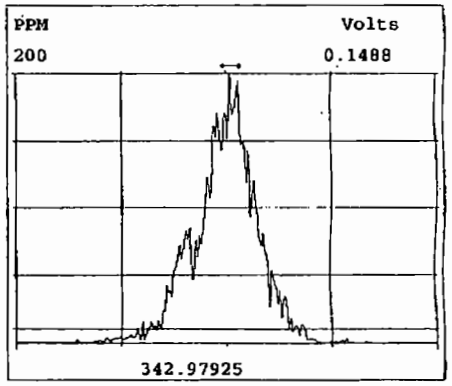


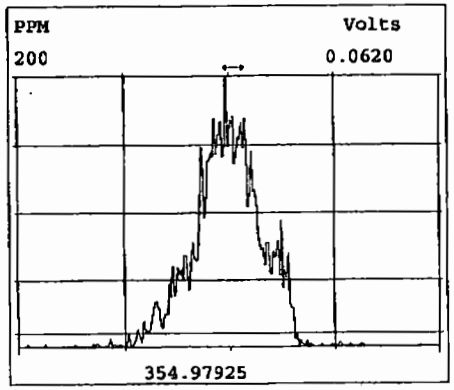


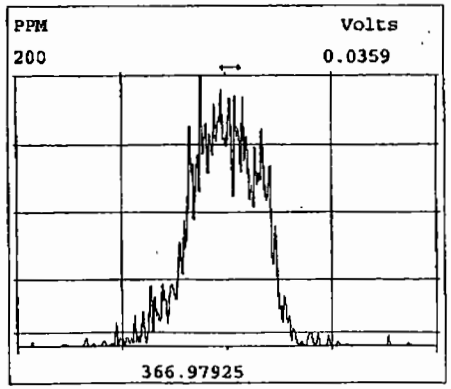


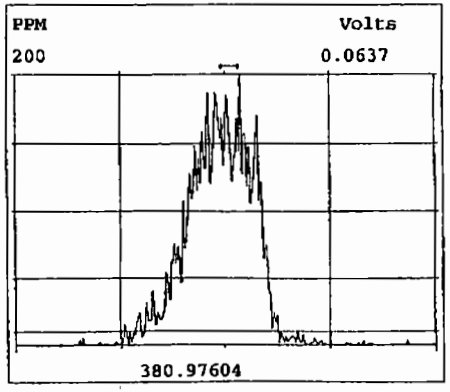






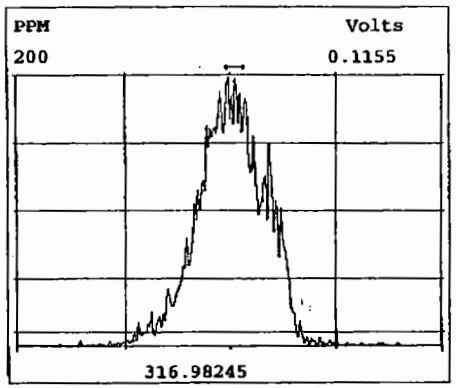


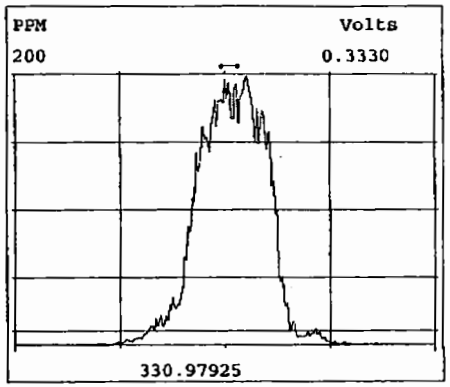


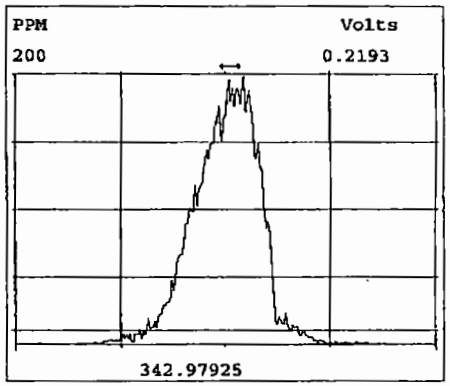


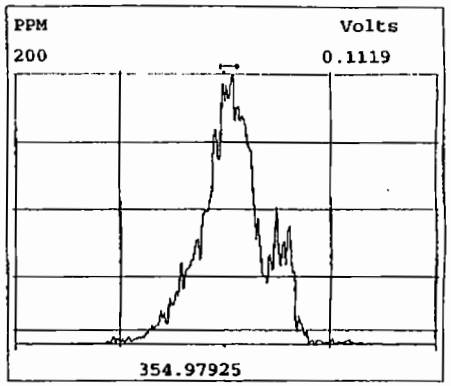
Peak Locate Examination:19-OCT-2003:21:44 File:RES_CHECK

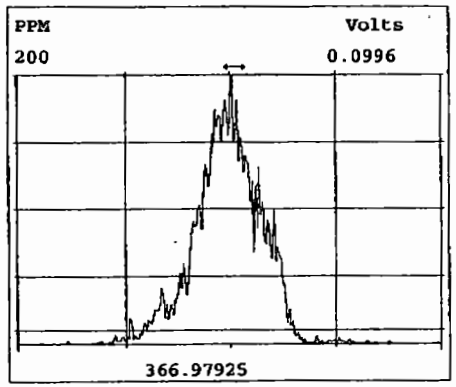
Experiment:PCB_DB1 Function:4 Reference:PFK

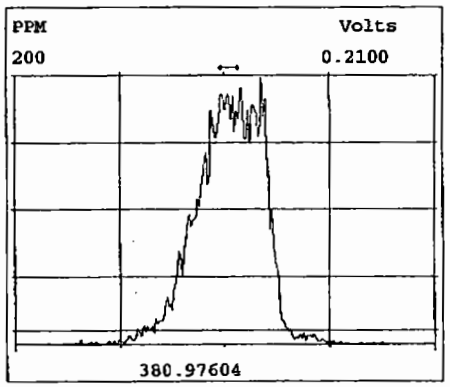


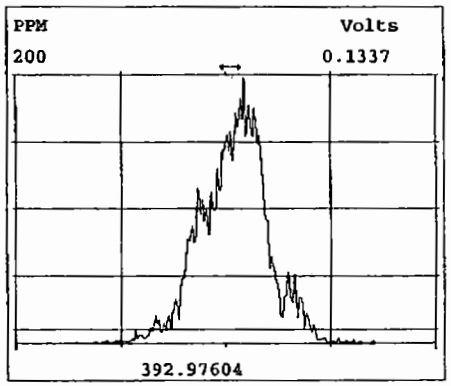


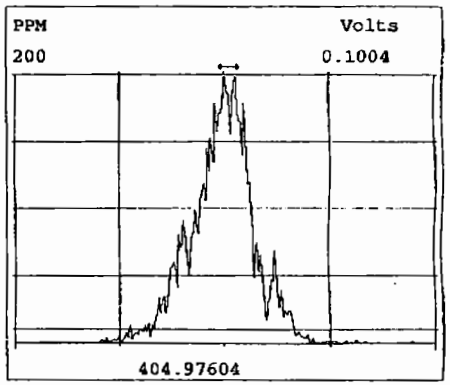


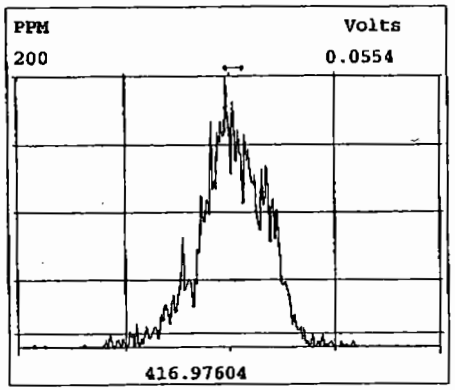


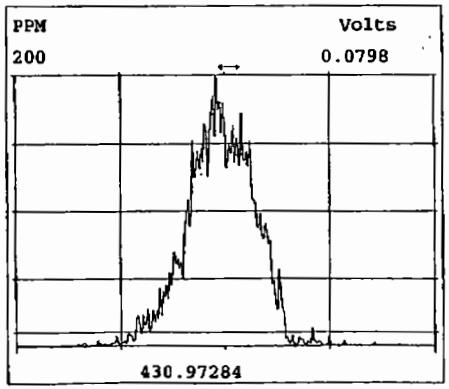


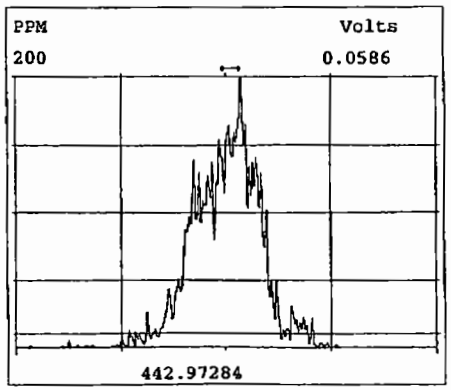






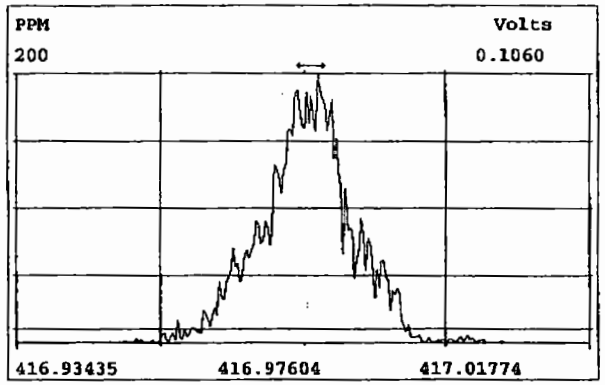


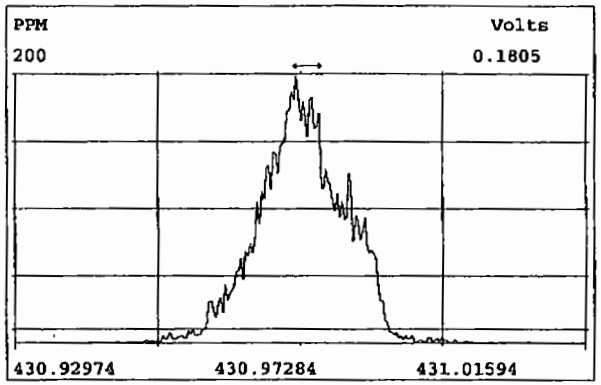


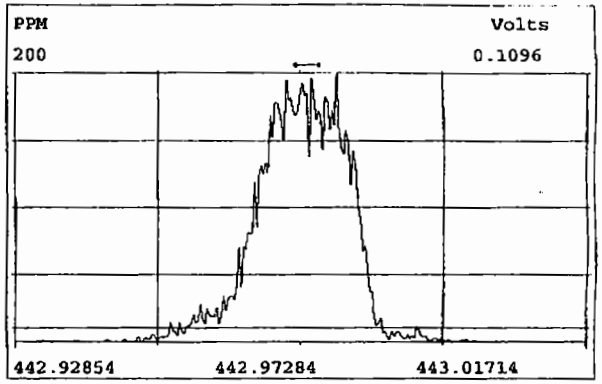


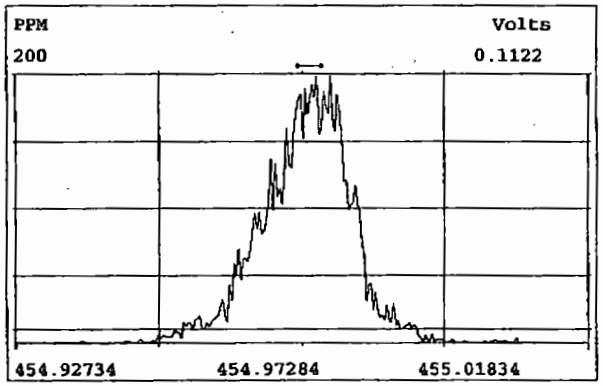
Peak Locate Examination:19-OCT-2003:21:45 File:RES_CHECK

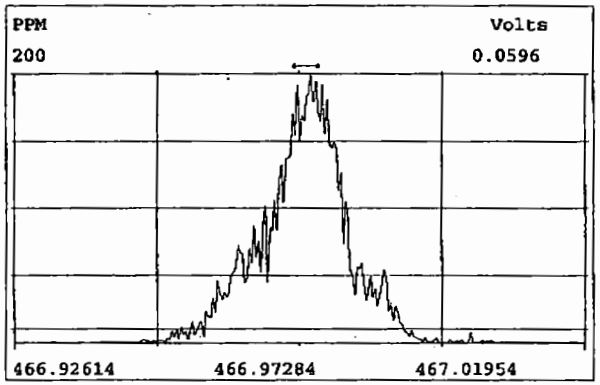
Experiment:PCB_DB1 Function:5 Reference:PFK

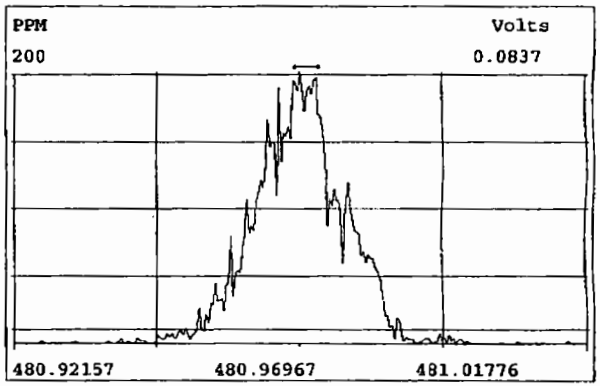


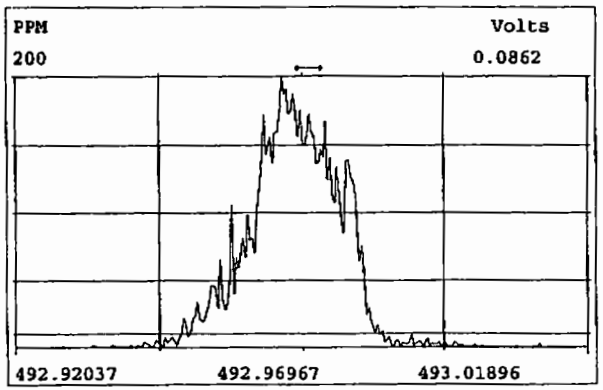


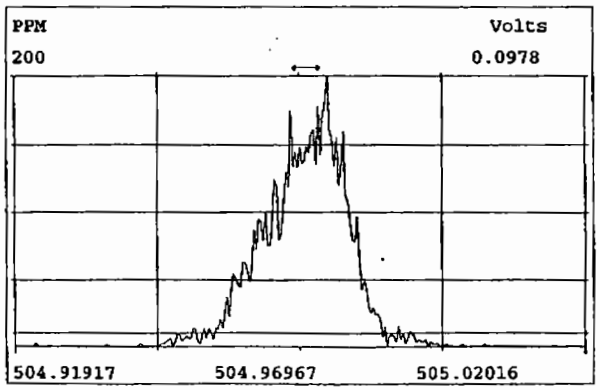


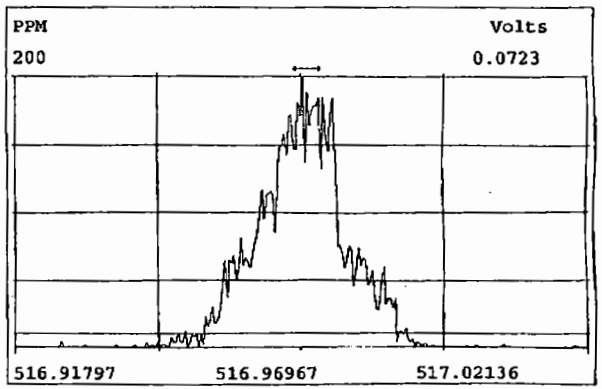












NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST031020E3-1 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03 GC Column ID: DB-1

VER Data Filename: 031020E3 S#1 Analysis Date: 21-OCT-03 Time: 03:30:20

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)	ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	2.87	2.66-3.60	y	21.8	17.5-32.5	PCB-52/69	0.74	0.65-0.89	y	94.5	70.0-130
PCB-2	2.97	2.66-3.60	y	24.2	17.5-32.5	PCB-73	0.75	0.65-0.89	y	52.0	35.0-65.0
PCB-3	2.95	2.66-3.60	y	23.4	17.5-32.5	PCB-43/49	0.75	0.65-0.89	y	96.7	70.0-130
PCB-4/10	1.59	1.33-1.80	y	43.8	35.0-65.0	PCB-47	0.75	0.65-0.89	y	52.5	35.0-65.0
PCB-7/9	1.67	1.33-1.80	y	43.3	35.0-65.0	PCB-48/75	0.75	0.65-0.89	y	99.5	70.0-130
PCB-6	1.66	1.33-1.80	y	21.5	17.5-32.5	PCB-65	0.75	0.65-0.89	y	50.5	35.0-65.0
PCB-5/8	1.69	1.33-1.80	y	44.4	35.0-65.0	PCB-62	0.74	0.65-0.89	y	52.5	35.0-65.0
PCB-14	1.61	1.33-1.80	y	20.3	17.5-32.5	PCB-44	0.74	0.65-0.89	y	50.6	35.0-65.0
PCB-11	1.72	1.33-1.80	y	20.8	17.5-32.5	PCB-42/59	0.75	0.65-0.89	y	98.7	70.0-130
PCB-12/13	1.69	1.33-1.80	y	41.9	35.0-65.0	PCB-41/64/71/72	0.74	0.65-0.89	y	199.3	140-260
PCB-15	1.75	1.33-1.80	y	21.2	17.5-32.5	PCB-68	0.75	0.65-0.89	y	50.8	35.0-65.0
PCB-19	1.02	0.88-1.20	y	25.1	17.5-32.5	PCB-40	0.75	0.65-0.89	y	52.3	35.0-65.0
PCB-30	1.02	0.88-1.20	y	26.1	17.5-32.5	PCB-57	0.75	0.65-0.89	y	45.6	35.0-65.0
PCB-18	1.03	0.88-1.20	y	24.3	17.5-32.5	PCB-67	0.73	0.65-0.89	y	43.3	35.0-65.0
PCB-17	1.03	0.88-1.20	y	24.4	17.5-32.5	PCB-58	0.75	0.65-0.89	y	48.1	35.0-65.0
PCB-24/27	1.02	0.88-1.20	y	49.0	35.0-65.0	PCB-63	0.74	0.65-0.89	y	46.6	35.0-65.0
PCB-16/32	1.02	0.88-1.20	y	48.7	35.0-65.0	PCB-74	0.78	0.65-0.89	y	45.7	35.0-65.0
PCB-34	1.05	0.88-1.20	y	24.7	17.5-32.5	PCB-61	0.69	0.65-0.89	y	46.6	35.0-65.0
PCB-23	1.06	0.88-1.20	y	22.3	17.5-32.5	PCB-70	0.76	0.65-0.89	y	48.4	35.0-65.0
PCB-29	1.04	0.88-1.20	y	23.1	17.5-32.5	PCB-76	0.73	0.65-0.89	y	49.1	35.0-65.0
PCB-26	1.05	0.88-1.20	y	23.2	17.5-32.5	PCB-66	0.76	0.65-0.89	y	47.1	35.0-65.0
PCB-25	1.06	0.88-1.20	y	23.2	17.5-32.5	PCB-80	0.76	0.65-0.89	y	46.6	35.0-65.0
PCB-31	1.06	0.88-1.20	y	24.0	17.5-32.5	PCB-55	0.76	0.65-0.89	y	46.1	35.0-65.0
PCB-28	1.06	0.88-1.20	y	22.6	17.5-32.5	PCB-56/60	0.74	0.65-0.89	y	93.8	70.0-130
PCB-20/21/33	1.07	0.88-1.20	y	69.9	52.5-97.5	PCB-79	0.74	0.65-0.89	y	45.6	35.0-65.0
PCB-22	1.05	0.88-1.20	y	22.6	17.5-32.5	PCB-78	0.75	0.65-0.89	y	46.8	35.0-65.0
PCB-36	1.07	0.88-1.20	y	23.0	17.5-32.5	PCB-81	0.75	0.65-0.89	y	45.7	35.0-65.0
PCB-39	1.09	0.88-1.20	y	21.1	17.5-32.5	PCB-77	0.73	0.65-0.89	y	45.3	35.0-65.0
PCB-38	1.04	0.88-1.20	y	23.8	17.5-32.5	PCB-104	1.53	1.32-1.78	y	51.0	35.0-65.0
PCB-35	1.07	0.88-1.20	y	22.7	17.5-32.5	PCB-96	1.57	1.32-1.78	y	49.6	35.0-65.0
PCB-37	1.03	0.88-1.20	y	22.7	17.5-32.5	PCB-103	1.56	1.32-1.78	y	49.3	35.0-65.0
PCB-54	0.75	0.65-0.89	y	48.3	35.0-65.0	PCB-100	1.54	1.32-1.78	y	49.3	35.0-65.0
PCB-50	0.73	0.65-0.89	y	47.3	35.0-65.0	PCB-94	1.55	1.32-1.78	y	49.2	35.0-65.0
PCB-53	0.76	0.65-0.89	y	49.4	35.0-65.0	PCB-95/98/102	1.54	1.32-1.78	y	145.5	105-195
PCB-51	0.74	0.65-0.89	y	49.4	35.0-65.0	PCB-93	1.58	1.32-1.78	y	55.2	35.0-65.0
PCB-45	0.75	0.65-0.89	y	49.2	35.0-65.0	PCB-88/91	1.55	1.32-1.78	y	103.2	70.0-130
PCB-46	0.75	0.65-0.89	y	47.4	35.0-65.0	PCB-121	1.54	1.32-1.78	y	46.7	35.0-65.0

Analyst: [illegible]

Date: 10-21-03

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST031020E3-1 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03 GC Column ID: DB-1

VER Data Filename: 031020E3 S#1 Analysis Date: 21-OCT-03 Time: 03:30:20

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)	ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-84/92	1.55	1.32-1.78	y	99.0	70.0-130	PCB-140	1.26	1.06-1.43	y	50.3	35.0-65.0
PCB-89	1.54	1.32-1.78	y	50.7	35.0-65.0	PCB-134/143	1.23	1.06-1.43	y	103.8	70.0-130
PCB-90/101	1.55	1.32-1.78	y	100.2	70.0-130	PCB-133/142	1.21	1.06-1.43	y	103.0	70.0-130
PCB-113	1.52	1.32-1.78	y	55.3	35.0-65.0	PCB-131	1.19	1.06-1.43	y	51.4	35.0-65.0
PCB-99	1.55	1.32-1.78	y	46.6	35.0-65.0	PCB-146/165	1.20	1.06-1.43	y	98.3	70.0-130
PCB-119	1.54	1.32-1.78	y	50.0	35.0-65.0	PCB-132/161	1.19	1.06-1.43	y	96.8	70.0-130
PCB-108/112	1.54	1.32-1.78	y	99.9	70.0-130	PCB-153	1.21	1.06-1.43	y	49.9	35.0-65.0
PCB-83	1.54	1.32-1.78	y	51.0	35.0-65.0	PCB-168	1.22	1.06-1.43	y	48.5	35.0-65.0
PCB-97	1.56	1.32-1.78	y	49.0	35.0-65.0	PCB-141	1.20	1.06-1.43	y	48.4	35.0-65.0
PCB-86	1.50	1.32-1.78	y	44.8	35.0-65.0	PCB-137	1.20	1.06-1.43	y	44.9	35.0-65.0
PCB-87/117/125	1.55	1.32-1.78	y	149.6	105-195	PCB-130	1.20	1.06-1.43	y	50.5	35.0-65.0
PCB-111/115	1.54	1.32-1.78	y	96.0	70.0-130	PCB-138/163/164	1.20	1.06-1.43	y	142.4	105-195
PCB-85/116	1.55	1.32-1.78	y	104.3	70.0-130	PCB-158/160	1.20	1.06-1.43	y	95.6	70.0-130
PCB-120	1.55	1.32-1.78	y	48.6	35.0-65.0	PCB-129	1.22	1.06-1.43	y	46.0	35.0-65.0
PCB-110	1.56	1.32-1.78	y	51.2	35.0-65.0	PCB-166	1.19	1.06-1.43	y	50.7	35.0-65.0
PCB-82	1.51	1.32-1.78	y	49.6	35.0-65.0	PCB-159	1.21	1.06-1.43	y	48.8	35.0-65.0
PCB-124	1.54	1.32-1.78	y	50.1	35.0-65.0	PCB-128/162	1.19	1.06-1.43	y	97.0	70.0-130
PCB-107/109	1.53	1.32-1.78	y	100.0	70.0-130	PCB-167	1.21	1.06-1.43	y	49.2	35.0-65.0
PCB-123	1.55	1.32-1.78	y	48.1	35.0-65.0	PCB-156	1.20	1.06-1.43	y	49.2	35.0-65.0
PCB-106/118	1.55	1.32-1.78	y	99.1	70.0-130	PCB-157	1.19	1.06-1.43	y	48.2	35.0-65.0
PCB-114	1.62	1.32-1.78	y	48.2	35.0-65.0	PCB-169	1.22	1.06-1.43	y	48.1	35.0-65.0
PCB-122	1.61	1.32-1.78	y	46.4	35.0-65.0	PCB-188	1.07	0.88-1.19	y	50.1	35.0-65.0
PCB-105	1.67	1.32-1.78	y	48.1	35.0-65.0	PCB-184	1.05	0.88-1.19	y	50.2	35.0-65.0
PCB-127	1.67	1.32-1.78	y	48.7	35.0-65.0	PCB-179	1.07	0.88-1.19	y	50.9	35.0-65.0
PCB-126	1.67	1.32-1.78	y	47.0	35.0-65.0	PCB-176	1.05	0.88-1.19	y	50.9	35.0-65.0
PCB-155	1.28	1.06-1.43	y	51.4	35.0-65.0	PCB-186	1.05	0.88-1.19	y	49.7	35.0-65.0
PCB-150	1.27	1.06-1.43	y	51.2	35.0-65.0	PCB-178	1.05	0.88-1.19	y	49.1	35.0-65.0
PCB-152	1.27	1.06-1.43	y	51.0	35.0-65.0	PCB-175	1.05	0.88-1.19	y	51.3	35.0-65.0
PCB-145	1.29	1.06-1.43	y	51.0	35.0-65.0	PCB-182/187	1.06	0.88-1.19	y	97.4	70.0-130
PCB-136	1.26	1.06-1.43	y	51.5	35.0-65.0	PCB-183	1.07	0.88-1.19	y	48.9	35.0-65.0
PCB-148	1.28	1.06-1.43	y	49.8	35.0-65.0	PCB-185	1.05	0.88-1.19	y	49.9	35.0-65.0
PCB-154	1.26	1.06-1.43	y	51.2	35.0-65.0	PCB-174	1.05	0.88-1.19	y	50.7	35.0-65.0
PCB-151	1.26	1.06-1.43	y	51.4	35.0-65.0	PCB-181	1.06	0.88-1.19	y	47.8	35.0-65.0
PCB-135	1.26	1.06-1.43	y	53.1	35.0-65.0	PCB-177	1.07	0.88-1.19	y	47.4	35.0-65.0
PCB-144	1.32	1.06-1.43	y	49.5	35.0-65.0	PCB-171	1.06	0.88-1.19	y	47.4	35.0-65.0
PCB-147	1.22	1.06-1.43	y	49.6	35.0-65.0	PCB-173	1.05	0.88-1.19	y	48.9	35.0-65.0
PCB-139/149	1.28	1.06-1.43	y	100.1	70.0-130	PCB-172	1.04	0.88-1.19	y	49.7	35.0-65.0

Analyst: [illegible]

Date: 10-21-03

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST031020E3-1 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03 GC Column ID: DB-1

VER Data Filename: 031020E3 S#1 Analysis Date: 21-OCT-03 Time: 03:30:20

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-192	1.06	0.88-1.19	y	50.6	35.0-65.0
PCB-180	1.05	0.88-1.19	y	48.7	35.0-65.0
PCB-193	1.05	0.88-1.19	y	49.9	35.0-65.0
PCB-191	1.07	0.88-1.19	y	50.1	35.0-65.0
PCB-170	1.06	0.88-1.19	y	49.5	35.0-65.0
PCB-190	1.06	0.88-1.19	y	50.1	35.0-65.0
PCB-189	1.05	0.88-1.19	y	47.8	35.0-65.0
PCB-202	0.90	0.76-1.02	y	75.0	52.5-97.5
PCB-201	0.90	0.76-1.02	y	78.3	52.5-97.5
PCB-204	0.90	0.76-1.02	y	75.7	52.5-97.5
PCB-197	0.91	0.76-1.02	y	76.5	52.5-97.5
PCB-200	0.90	0.76-1.02	y	78.1	52.5-97.5
PCB-198	0.89	0.76-1.02	y	76.2	52.5-97.5
PCB-199	0.89	0.76-1.02	y	73.6	52.5-97.5
PCB-196/203	0.91	0.76-1.02	y	149.3	105-195
PCB-195	0.91	0.76-1.02	y	71.7	52.5-97.5
PCB-194	0.91	0.76-1.02	y	72.2	52.5-97.5
PCB-205	0.90	0.76-1.02	y	70.4	52.5-97.5
PCB-208	1.33	1.14-1.54	y	77.6	52.5-97.5
PCB-207	1.34	1.14-1.54	y	82.8	52.5-97.5
PCB-206	1.33	1.14-1.54	y	81.2	52.5-97.5
PCB-209	1.19	0.99-1.34	y	70.0	52.5-97.5

Analyst: [illegible]

Date: 10-21-03

LABELED PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST031020E3-1 Instrument ID: VG-8

Initial Calibration Date: 9/29/03 ICal ID: PCBVG8-9-29-03 GC Column ID: DB-1

VER Data Filename: 031020E3 S#1 Analysis Date: 21-OCT-03 Time: 03:30:20

LABELED IS	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
13C-PCB-1	3.10	2.66-3.60	y	124.8	50.0-150
13C-PCB-3	3.21	2.66-3.60	y	113.3	50.0-150
13C-PCB-4	1.60	1.33-1.81	y	98.0	50.0-150
13C-PCB-9	1.57	1.33-1.81	y	99.8	50.0-150
13C-PCB-19	1.03	0.88-1.20	y	109.2	50.0-150
13C-PCB-32	1.04	0.88-1.20	y	114.1	50.0-150
13C-PCB-28	1.07	0.88-1.20	y	91.0	50.0-150
13C-PCB-37	1.07	0.88-1.20	y	91.4	50.0-150
13C-PCB-54	0.81	0.65-0.89	y	88.0	50.0-150
13C-PCB-81	0.79	0.65-0.89	y	96.2	50.0-150
13C-PCB-77	0.79	0.65-0.89	y	96.0	50.0-150
13C-PCB-104	1.59	1.33-1.81	y	100.1	50.0-150
13C-PCB-95	1.59	1.33-1.81	y	98.5	50.0-150
13C-PCB-101	1.58	1.33-1.81	y	98.2	50.0-150
13C-PCB-123	1.60	1.33-1.81	y	99.4	50.0-150
13C-PCB-118	1.61	1.33-1.81	y	97.3	50.0-150
13C-PCB-114	1.59	1.33-1.81	y	92.5	50.0-150
13C-PCB-105	1.61	1.33-1.81	y	91.8	50.0-150
13C-PCB-126	1.58	1.33-1.81	y	95.4	50.0-150
13C-PCB-155	1.28	1.05-1.43	y	89.5	50.0-150
13C-PCB-153	1.22	1.05-1.43	y	103.0	50.0-150
13C-PCB-167	1.23	1.05-1.43	y	100.2	50.0-150
13C-PCB-156	1.23	1.05-1.43	y	98.9	50.0-150
13C-PCB-157	1.26	1.05-1.43	y	99.6	50.0-150
13C-PCB-169	1.25	1.05-1.43	y	102.3	50.0-150
13C-PCB-188	0.45	0.38-0.52	y	102.3	50.0-150
13C-PCB-180	0.45	0.38-0.52	y	103.9	50.0-150
13C-PCB-170	0.45	0.38-0.52	y	101.9	50.0-150
13C-PCB-189	0.45	0.38-0.52	y	105.8	50.0-150
13C-PCB-202	0.92	0.76-1.02	y	93.7	50.0-150
13C-PCB-194	0.93	0.76-1.02	y	101.6	50.0-150
13C-PCB-208	0.78	0.66-0.99	y	94.8	50.0-150
13C-PCB-206	0.76	0.66-0.99	y	105.1	50.0-150
13C-PCB-209	1.18	0.99-1.35	y	103.0	50.0-150

LABELED PS	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PRESPIKE COMPOUNDS					
13C-PCB-52	0.78	0.65-0.89	y	96.9	70 - 130
13C-PCB-178	0.46	0.38-0.52	y	103.7	70 - 130

Analyst: [illegible]

Date: 10-21-03

Client ID: PCB 209 CS3 030916G Filename: 031020E3 S:1 Acq:21-OCT-03 03:30:20 ConCal: ST031020E3-1 Page 1
Lab ID: ST031020E3-1 GC Column ID: DB-1 ICal: PCBVG8-9-29-03 wt/vol: 1.000 EndCAL: ST031020E3-2

Type	Name	Resp	RA	RT	RRF	Conc
Mono	PCB-1	3.27e+07	2.87 y	15:16	1.00	21.8
Mono	PCB-2	3.18e+07	2.97 y	17:31	0.84	24.2
Mono	PCB-3	3.51e+07	2.95 y	17:44	0.96	23.4
Di	PCB-4/10	5.05e+07	1.59 y	19:00	1.81	43.8
Di	PCB-7/9	6.38e+07	1.67 y	20:40	1.48	43.3
Di	PCB-6	3.16e+07	1.66 y	21:15	1.48	21.5
Di	PCB-5/8	6.34e+07	1.69 y	21:38	1.44	44.4
Di	PCB-14	3.04e+07	1.61 y	22:40	1.51	20.3
Di	PCB-11	2.99e+07	1.72 y	23:46	1.45	20.8
Di	PCB-12/13	6.24e+07	1.69 y	24:07	1.50	41.9
Di	PCB-15	3.57e+07	1.75 y	24:25	1.70	21.2
Tri	PCB-19	2.30e+07	1.02 y	22:48	1.18	25.1
Tri	PCB-30	3.37e+07	1.02 y	23:39	1.67	26.1
Tri	PCB-18	2.28e+07	1.03 y	24:19	0.69	24.3
Tri	PCB-17	2.59e+07	1.03 y	24:29	0.78	24.4
Tri	PCB-24/27	6.59e+07	1.02 y	25:01	0.99	49.0
Tri	PCB-16/32	5.64e+07	1.02 y	25:29	0.85	48.7
Tri	PCB-34	2.97e+07	1.05 y	26:13	1.19	24.7
Tri	PCB-23	2.99e+07	1.06 y	26:19	1.33	22.3
Tri	PCB-29	3.16e+07	1.04 y	26:33	1.35	23.1
Tri	PCB-26	3.00e+07	1.05 y	26:44	1.28	23.2
Tri	PCB-25	3.12e+07	1.06 y	26:53	1.33	23.2
Tri	PCB-31	3.15e+07	1.06 y	27:12	1.30	24.0
Tri	PCB-28	3.52e+07	1.06 y	27:18	1.54	22.6
Tri	CB-20/21/33	8.98e+07	1.07 y	27:51	1.27	69.9
Tri	PCB-22	3.04e+07	1.05 y	28:15	1.33	22.6
Tri	PCB-36	2.91e+07	1.07 y	28:51	1.47	23.0
Tri	PCB-39	2.85e+07	1.09 y	29:17	1.57	21.1
Tri	PCB-38	3.00e+07	1.04 y	29:59	1.46	23.8
Tri	PCB-35	2.78e+07	1.07 y	30:27	1.42	22.7
Tri	PCB-37	3.07e+07	1.03 y	30:51	1.57	22.7
Tetra	PCB-54	5.18e+07	0.75 y	26:15	0.99	48.3
Tetra	PCB-50	3.76e+07	0.73 y	27:20	0.73	47.3
Tetra	PCB-53	3.82e+07	0.76 y	27:55	0.71	49.4
Tetra	PCB-51	3.87e+07	0.74 y	28:14	0.72	49.4
Tetra	PCB-45	3.32e+07	0.75 y	28:37	0.62	49.2
Tetra	PCB-46	3.10e+07	0.75 y	29:04	0.60	47.4

Type	Name	Resp	RA	RT	RRF	Conc
Tetra	PCB-52/69	8.26e+07	0.74 y	29:31	0.81	94.5
Tetra	PCB-73	5.09e+07	0.75 y	29:36	0.90	52.0
Tetra	PCB-43/49	7.40e+07	0.75 y	29:46	0.71	96.7
Tetra	PCB-47	4.13e+07	0.75 y	29:57	0.73	52.5
Tetra	PCB-48/75	9.29e+07	0.75 y	30:04	0.86	99.5
Tetra	PCB-65	4.71e+07	0.75 y	30:19	0.86	50.5
Tetra	PCB-62	4.71e+07	0.74 y	30:25	0.83	52.5
Tetra	PCB-44	3.35e+07	0.74 y	30:41	0.61	50.6
Tetra	PCB-42/59	8.43e+07	0.75 y	30:53	0.79	98.7
Tetra	41/64/71/72	1.89e+08	0.74 y	31:26	0.88	199
Tetra	PCB-68	5.32e+07	0.75 y	31:40	0.97	50.8
Tetra	PCB-40	3.01e+07	0.75 y	31:51	0.53	52.3
Tetra	PCB-57	5.02e+07	0.75 y	32:11	1.09	45.6
Tetra	PCB-67	4.89e+07	0.73 y	32:28	1.12	43.3
Tetra	PCB-58	5.24e+07	0.75 y	32:34	1.08	48.1
Tetra	PCB-63	5.10e+07	0.74 y	32:43	1.09	46.6
Tetra	PCB-74	5.31e+07	0.78 y	32:59	1.15	45.7
Tetra	PCB-61	4.27e+07	0.69 y	33:06	0.91	46.6
Tetra	PCB-70	5.55e+07	0.76 y	33:10	1.14	48.4
Tetra	PCB-76	4.88e+07	0.73 y	33:17	0.99	49.1
Tetra	PCB-66	6.23e+07	0.76 y	33:22	1.31	47.1
Tetra	PCB-80	6.02e+07	0.76 y	33:34	1.28	46.6
Tetra	PCB-55	5.11e+07	0.76 y	33:51	1.10	46.1
Tetra	PCB-56/60	1.03e+08	0.74 y	34:17	1.09	93.8
Tetra	PCB-79	5.14e+07	0.74 y	35:17	1.12	45.6
Tetra	PCB-78	5.09e+07	0.75 y	35:55	1.08	46.8
Tetra	PCB-81	5.34e+07	0.75 y	36:23	1.16	45.7
Tetra	PCB-77	4.99e+07	0.73 y	36:56	1.06	45.3
Penta	PCB-104	4.62e+07	1.53 y	30:33	1.16	51.0
Penta	PCB-96	4.29e+07	1.57 y	31:41	1.10	49.6
Penta	PCB-103	3.53e+07	1.56 y	32:11	0.91	49.3
Penta	PCB-100	3.49e+07	1.54 y	32:31	0.90	49.3
Penta	PCB-94	2.89e+07	1.55 y	32:56	0.98	49.2
Penta	B-95/98/102	9.53e+07	1.54 y	33:23	1.09	145
Penta	PCB-93	3.31e+07	1.58 y	33:30	1.00	55.2
Penta	PCB-88/91	6.18e+07	1.55 y	33:46	1.00	103
Penta	PCB-121	4.16e+07	1.54 y	33:53	1.49	46.7

RL: MONO, TRI: — Integrations by Analyst:

RL: DI, TETRA - HEPTA: —

RL: OCTA - DECA: — Date: 10-21-03