CALIBRATION DATA

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST031019E1-1 Instrument ID: VG-8

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

VER Data Filename: 031019E1 S#1 Analysis Date: 19-OCT-03 Time: 10:30:39

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	2.90	2.66-3.60	y	27.3	17.5-32.5	PCB-52/69	0.75	0.65-0.89	y	100.7	70.0-130
PCB-2	2.91	2.66-3.60	y	29.4	17.5-32.5	PCB-73	0.77	0.65-0.89	y	55.1	35.0-65.0
PCB-3	2.95	2.66-3.60	y	27.8	17.5-32.5	PCB-43/49	0.74	0.65-0.89	y	101.7	70.0-130
PCB-4/10	1.61	1.33-1.80	y	47.9	35.0-65.0	PCB-47	0.75	0.65-0.89	y	55.1	35.0-65.0
PCB-7/9	1.65	1.33-1.80	y	47.5	35.0-65.0	PCB-48/75	0.75	0.65-0.89	y	104.3	70.0-130
PCB-6	1.63	1.33-1.80	y	23.9	17.5-32.5	PCB-65	0.74	0.65-0.89	y	53.4	35.0-65.0
PCB-5/8	1.63	1.33-1.80	y	48.3	35.0-65.0	PCB-62	0.75	0.65-0.89	y	55.1	35.0-65.0
PCB-14	1.65	1.33-1.80	y	22.4	17.5-32.5	PCB-44	0.74	0.65-0.89	y	62.5	35.0-65.0
PCB-11	1.67	1.33-1.80	y	23.0	17.5-32.5	PCB-42/59	0.75	0.65-0.89	y	105.5	70.0-130
PCB-12/13	1.64	1.33-1.80	y	45.7	35.0-65.0	PCB-41/64/71/72	0.75	0.65-0.89	y	210.1	140-260
PCB-15	1.68	1.33-1.80	y	22.9	17.5-32.5	PCB-68	0.75	0.65-0.89	y	53.3	35.0-65.0
PCB-19	1.04	0.88-1.20	y	26.0	17.5-32.5	PCB-40	0.75	0.65-0.89	y	52.6	35.0-65.0
PCB-30	1.05	0.88-1.20	y	26.9	17.5-32.5	PCB-57	0.75	0.65-0.89	y	49.2	35.0-65.0
PCB-18	1.05	0.88-1.20	y	26.4	17.5-32.5	PCB-67	0.74	0.65-0.89	y	48.7	35.0-65.0
PCB-17	1.05	0.88-1.20	y	25.8	17.5-32.5	PCB-58	0.75	0.65-0.89	y	50.4	35.0-65.0
PCB-24/27	1.04	0.88-1.20	y	52.9	35.0-65.0	PCB-63	0.75	0.65-0.89	y	49.5	35.0-65.0
PCB-16/32	1.05	0.88-1.20	y	52.0	35.0-65.0	PCB-74	0.74	0.65-0.89	y	48.8	35.0-65.0
PCB-34	1.06	0.88-1.20	y	28.2	17.5-32.5	PCB-61	0.72	0.65-0.89	y	51.2	35.0-65.0
PCB-23	1.09	0.88-1.20	y	24.9	17.5-32.5	PCB-70	0.75	0.65-0.89	y	60.1	35.0-65.0
PCB-29	1.09	0.88-1.20	y	25.8	17.5-32.5	PCB-76	0.74	0.65-0.89	y	52.9	35.0-65.0
PCB-26	1.07	0.88-1.20	y	26.6	17.5-32.5	PCB-66	0.76	0.65-0.89	y	47.6	35.0-65.0
PCB-25	1.07	0.88-1.20	y	26.3	17.5-32.5	PCB-80	0.74	0.65-0.89	y	49.3	35.0-65.0
PCB-31	1.07	0.88-1.20	y	28.1	17.5-32.5	PCB-55	0.74	0.65-0.89	y	49.1	35.0-65.0
PCB-28	1.07	0.88-1.20	y	25.3	17.5-32.5	PCB-56/60	0.74	0.65-0.89	y	96.7	70.0-130
PCB-20/21/33	1.07	0.88-1.20	y	78.9	52.5-97.5	PCB-79	0.75	0.65-0.89	y	48.1	35.0-65.0
PCB-22	1.07	0.88-1.20	y	26.3	17.5-32.5	PCB-78	0.75	0.65-0.89	y	49.4	35.0-65.0
PCB-36	1.07	0.88-1.20	y	24.4	17.5-32.5	PCB-81	0.74	0.65-0.89	y	48.1	35.0-65.0
PCB-39	1.08	0.88-1.20	y	22.9	17.5-32.5	PCB-77	0.75	0.65-0.89	y	48.3	35.0-65.0
PCB-38	1.10	0.88-1.20	y	23.2	17.5-32.5	PCB-104	1.57	1.32-1.78	y	56.3	35.0-65.0
PCB-35	1.10	0.88-1.20	y	25.2	17.5-32.5	PCB-96	1.57	1.32-1.78	y	54.6	35.0-65.0
PCB-37	1.09	0.88-1.20	y	25.1	17.5-32.5	PCB-103	1.57	1.32-1.78	y	53.8	35.0-65.0
PCB-54	0.75	0.65-0.89	y	50.6	35.0-65.0	PCB-100	1.54	1.32-1.78	y	52.8	35.0-65.0
PCB-50	0.74	0.65-0.89	y	50.3	35.0-65.0	PCB-94	1.56	1.32-1.78	y	55.9	35.0-65.0
PCB-53	0.75	0.65-0.89	y	51.8	35.0-65.0	PCB-95/98/102	1.55	1.32-1.78	y	171.6	105-195
PCB-51	0.75	0.65-0.89	y	52.5	35.0-65.0	PCB-93	1.58	1.32-1.78	y	48.4	35.0-65.0
PCB-45	0.75	0.65-0.89	y	52.6	35.0-65.0	PCB-88/91	1.55	1.32-1.78	y	114.2	70.0-130
PCB-46	0.75	0.65-0.89	y	51.3	35.0-65.0	PCB-121	1.58	1.32-1.78	y	51.0	35.0-65.0

Analyst: [illegible]

Date: 10-19-03

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST031019E1-1 Instrument ID: VG-8

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

VER Data Filename: 031019E1 S#1 Analysis Date: 19-OCT-03 Time: 10:30:39

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	109.7	70.0-130	PCB-140	1.33	1.06-1.43	y	58.9	35.0-65.0
PCB-89	1.56	1.32-1.78	y	55.2	35.0-65.0	PCB-134/143	1.20	1.06-1.43	y	103.9	70.0-130
PCB-90/101	1.54	1.32-1.78	y	110.3	70.0-130	PCB-133/142	1.21	1.06-1.43	y	103.9	70.0-130
PCB-113	1.55	1.32-1.78	y	62.8	35.0-65.0	PCB-131	1.19	1.06-1.43	y	50.8	35.0-65.0
PCB-99	1.58	1.32-1.78	y	51.4	35.0-65.0	PCB-146/165	1.22	1.06-1.43	y	101.5	70.0-130
PCB-119	1.57	1.32-1.78	y	56.6	35.0-65.0	PCB-132/161	1.22	1.06-1.43	y	100.0	70.0-130
PCB-108/112	1.57	1.32-1.78	y	110.4	70.0-130	PCB-153	1.21	1.06-1.43	y	50.3	35.0-65.0
PCB-83	1.58	1.32-1.78	y	57.2	35.0-65.0	PCB-168	1.21	1.06-1.43	y	50.7	35.0-65.0
PCB-97	1.57	1.32-1.78	y	53.5	35.0-65.0	PCB-141	1.20	1.06-1.43	y	49.8	35.0-65.0
PCB-86	1.49	1.32-1.78	y	49.1	35.0-65.0	PCB-137	1.19	1.06-1.43	y	48.1	35.0-65.0
PCB-87/117/125	1.56	1.32-1.78	y	168.2	105-195	PCB-130	1.21	1.06-1.43	y	50.5	35.0-65.0
PCB-111/115	1.57	1.32-1.78	y	106.7	70.0-130	PCB-138/163/164	1.21	1.06-1.43	y	148.3	105-195
PCB-85/116	1.57	1.32-1.78	y	111.3	70.0-130	PCB-158/160	1.21	1.06-1.43	y	97.5	70.0-130
PCB-120	1.54	1.32-1.78	y	53.4	35.0-65.0	PCB-129	1.22	1.06-1.43	y	46.8	35.0-65.0
PCB-110	1.58	1.32-1.78	y	53.8	35.0-65.0	PCB-166	1.23	1.06-1.43	y	51.2	35.0-65.0
PCB-82	1.54	1.32-1.78	y	53.7	35.0-65.0	PCB-159	1.22	1.06-1.43	y	50.8	35.0-65.0
PCB-124	1.56	1.32-1.78	y	57.4	35.0-65.0	PCB-128/162	1.21	1.06-1.43	y	99.5	70.0-130
PCB-107/109	1.56	1.32-1.78	y	110.7	70.0-130	PCB-167	1.20	1.06-1.43	y	51.0	35.0-65.0
PCB-123	1.57	1.32-1.78	y	54.4	35.0-65.0	PCB-156	1.22	1.06-1.43	y	50.9	35.0-65.0
PCB-106/118	1.56	1.32-1.78	y	112.3	70.0-130	PCB-157	1.20	1.06-1.43	y	50.1	35.0-65.0
PCB-114	1.61	1.32-1.78	y	51.1	35.0-65.0	PCB-169	1.23	1.06-1.43	y	49.9	35.0-65.0
PCB-122	1.61	1.32-1.78	y	46.1	35.0-65.0	PCB-188	1.07	0.88-1.19	y	53.2	35.0-65.0
PCB-105	1.64	1.32-1.78	y	49.6	35.0-65.0	PCB-184	1.07	0.88-1.19	y	53.0	35.0-65.0
PCB-127	1.66	1.32-1.78	y	49.1	35.0-65.0	PCB-179	1.09	0.88-1.19	y	52.7	35.0-65.0
PCB-126	1.68	1.32-1.78	y	49.0	35.0-65.0	PCB-176	1.07	0.88-1.19	y	52.6	35.0-65.0
PCB-155	1.33	1.06-1.43	y	64.0	35.0-65.0	PCB-186	1.07	0.88-1.19	y	49.9	35.0-65.0
PCB-150	1.33	1.06-1.43	y	63.2	35.0-65.0	PCB-178	1.05	0.88-1.19	y	49.8	35.0-65.0
PCB-152	1.33	1.06-1.43	y	62.2	35.0-65.0	PCB-175	1.05	0.88-1.19	y	52.3	35.0-65.0
PCB-145	1.35	1.06-1.43	y	62.7	35.0-65.0	PCB-182/187	1.06	0.88-1.19	y	97.3	70.0-130
PCB-136	1.35	1.06-1.43	y	62.0	35.0-65.0	PCB-183	1.06	0.88-1.19	y	49.4	35.0-65.0
PCB-148	1.34	1.06-1.43	y	60.2	35.0-65.0	PCB-185	1.06	0.88-1.19	y	54.0	35.0-65.0
PCB-154	1.34	1.06-1.43	y	59.5	35.0-65.0	PCB-174	1.06	0.88-1.19	y	56.1	35.0-65.0
PCB-151	1.39	1.06-1.43	y	60.3	35.0-65.0	PCB-181	1.07	0.88-1.19	y	52.4	35.0-65.0
PCB-135	1.38	1.06-1.43	y	61.8	35.0-65.0	PCB-177	1.05	0.88-1.19	y	50.6	35.0-65.0
PCB-144	1.34	1.06-1.43	y	58.9	35.0-65.0	PCB-171	1.07	0.88-1.19	y	51.1	35.0-65.0
PCB-147	1.34	1.06-1.43	y	57.1	35.0-65.0	PCB-173	1.06	0.88-1.19	y	51.2	35.0-65.0
PCB-139/149	1.35	1.06-1.43	y	117.9	70.0-130	PCB-172	1.07	0.88-1.19	y	52.4	35.0-65.0

Analyst: [illegible]

Date: 10.19.03

NATIVE PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST031019E1-1 Instrument ID: VG-8

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

VER Data Filename: 031019E1 S#1 Analysis Date: 19-OCT-03 Time: 10:30:39

ANALYTES	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-192	1.05	0.88-1.19	y	52.9	35.0-65.0
PCB-180	1.06	0.88-1.19	y	52.5	35.0-65.0
PCB-193	1.06	0.88-1.19	y	51.5	35.0-65.0
PCB-191	1.08	0.88-1.19	y	51.7	35.0-65.0
PCB-170	1.08	0.88-1.19	y	52.8	35.0-65.0
PCB-190	1.06	0.88-1.19	y	53.1	35.0-65.0
PCB-189	1.04	0.88-1.19	y	50.9	35.0-65.0
PCB-202	0.92	0.76-1.02	y	84.8	52.5-97.5
PCB-201	0.93	0.76-1.02	y	86.9	52.5-97.5
PCB-204	0.93	0.76-1.02	y	85.2	52.5-97.5
PCB-197	0.94	0.76-1.02	y	86.2	52.5-97.5
PCB-200	0.95	0.76-1.02	y	84.2	52.5-97.5
PCB-198	0.95	0.76-1.02	y	82.4	52.5-97.5
PCB-199	0.94	0.76-1.02	y	74.5	52.5-97.5
PCB-196/203	0.93	0.76-1.02	y	151.8	105-195
PCB-195	0.91	0.76-1.02	y	74.6	52.5-97.5
PCB-194	0.92	0.76-1.02	y	73.8	52.5-97.5
PCB-205	0.92	0.76-1.02	y	75.7	52.5-97.5
PCB-208	1.34	1.14-1.54	y	79.3	52.5-97.5
PCB-207	1.34	1.14-1.54	y	83.2	52.5-97.5
PCB-206	1.35	1.14-1.54	y	86.2	52.5-97.5
PCB-209	1.21	0.99-1.34	y	74.8	52.5-97.5

Analyst: [illegible]

Date: 10-19-03

LABELED PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: Alta Analytical Laboratory Lab ID: ST031019E1-1 Instrument ID: VG-8

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

VER Data Filename: 031019E1 S#1 Analysis Date: 19-OCT-03 Time: 10:30:39

LABELED IS	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
13C-PCB-1	3.05	2.66-3.60	y	104.6	50.0-150
13C-PCB-3	3.11	2.66-3.60	y	92.5	50.0-150
13C-PCB-4	1.56	1.33-1.81	y	99.4	50.0-150
13C-PCB-9	1.61	1.33-1.81	y	102.0	50.0-150
13C-PCB-19	1.05	0.88-1.20	y	86.6	50.0-150
13C-PCB-32	1.07	0.88-1.20	y	86.8	50.0-150
13C-PCB-28	1.09	0.88-1.20	y	87.0	50.0-150
13C-PCB-37	1.09	0.88-1.20	y	95.1	50.0-150
13C-PCB-54	0.81	0.65-0.89	y	91.2	50.0-150
13C-PCB-81	0.80	0.65-0.89	y	97.5	50.0-150
13C-PCB-77	0.79	0.65-0.89	y	95.7	50.0-150
13C-PCB-104	1.60	1.33-1.81	y	106.8	50.0-150
13C-PCB-95	1.63	1.33-1.81	y	102.0	50.0-150
13C-PCB-101	1.63	1.33-1.81	y	101.1	50.0-150
13C-PCB-123	1.62	1.33-1.81	y	96.4	50.0-150
13C-PCB-118	1.62	1.33-1.81	y	94.2	50.0-150
13C-PCB-114	1.62	1.33-1.81	y	105.3	50.0-150
13C-PCB-105	1.61	1.33-1.81	y	108.4	50.0-150
13C-PCB-126	1.63	1.33-1.81	y	110.1	50.0-150
13C-PCB-155	1.28	1.05-1.43	y	58.3	50.0-150
13C-PCB-153	1.25	1.05-1.43	y	102.7	50.0-150
13C-PCB-167	1.28	1.05-1.43	y	99.1	50.0-150
13C-PCB-156	1.24	1.05-1.43	y	95.3	50.0-150
13C-PCB-157	1.24	1.05-1.43	y	93.9	50.0-150
13C-PCB-169	1.26	1.05-1.43	y	94.8	50.0-150
13C-PCB-188	0.48	0.38-0.52	y	88.2	50.0-150
13C-PCB-180	0.47	0.38-0.52	y	80.1	50.0-150
13C-PCB-170	0.46	0.38-0.52	y	77.8	50.0-150
13C-PCB-189	0.46	0.38-0.52	y	76.7	50.0-150
13C-PCB-202	0.91	0.76-1.02	y	52.1	50.0-150
13C-PCB-194	0.93	0.76-1.02	y	95.5	50.0-150
13C-PCB-208	0.80	0.66-0.99	y	85.5	50.0-150
13C-PCB-206	0.78	0.66-0.99	y	86.4	50.0-150
13C-PCB-209	1.22	0.99-1.35	y	78.6	50.0-150

LABELED PS	ION ABUND. RATIO	QC LIMITS	PASS	CONC. FOUND	CONC. RANGE (ng/mL)
PRESPIKE COMPOUNDS					
13C-PCB-52	0.80	0.65-0.89	y	99.3	70 - 130
13C-PCB-178	0.46	0.38-0.52	y	85.8	70 - 130

Analyst: [signature]

Date: 10.19.03

Client ID: PCB 209 CS3 030916G Filename: 031019E1 S:1 Acq:19-OCT-03 10:30:39 ConCal: ST031019E1-1

Lab ID: ST031019E1-1 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	3.50e+07	2.90 y	15:16	1.00	27.3
Mono	PCB-2	3.22e+07	2.91 y	17:30	0.84	29.4
Mono	PCB-3	3.48e+07	2.95 y	17:43	0.96	27.8
Di	PCB-4/10	5.73e+07	1.61 y	18:59	1.81	47.9
Di	PCB-7/9	7.33e+07	1.65 y	20:38	1.48	47.5
Di	PCB-6	3.68e+07	1.63 y	21:14	1.48	23.9
Di	PCB-5/8	7.21e+07	1.63 y	21:37	1.44	48.3
Di	PCB-14	3.50e+07	1.65 y	22:38	1.51	22.4
Di	PCB-11	3.46e+07	1.67 y	23:44	1.45	23.0
Di	PCB-12/13	7.13e+07	1.64 y	24:06	1.50	45.7
Di	PCB-15	4.04e+07	1.68 y	24:23	1.70	22.9
Tri	PCB-19	1.99e+07	1.04 y	22:47	1.18	26.0
Tri	PCB-30	2.90e+07	1.05 y	23:37	1.67	26.9
Tri	PCB-18	1.98e+07	1.05 y	24:18	0.69	26.4
Tri	PCB-17	2.19e+07	1.05 y	24:28	0.78	25.8
Tri	PCB-24/27	5.70e+07	1.04 y	24:60	0.99	52.9
Tri	PCB-16/32	4.82e+07	1.05 y	25:27	0.85	52.0
Tri	PCB-34	3.41e+07	1.06 y	26:12	1.19	28.2
Tri	PCB-23	3.36e+07	1.09 y	26:17	1.33	24.9
Tri	PCB-29	3.54e+07	1.09 y	26:31	1.35	25.8
Tri	PCB-26	3.47e+07	1.07 y	26:43	1.28	26.6
Tri	PCB-25	3.56e+07	1.07 y	26:52	1.33	26.3
Tri	PCB-31	3.71e+07	1.07 y	27:11	1.30	28.1
Tri	PCB-28	3.97e+07	1.07 y	27:17	1.54	25.3
Tri	CB-20/21/33	1.02e+08	1.07 y	27:50	1.27	78.9
Tri	PCB-22	3.56e+07	1.07 y	28:14	1.33	26.3
Tri	PCB-36	3.38e+07	1.07 y	28:49	1.47	24.4
Tri	PCB-39	3.40e+07	1.08 y	29:14	1.57	22.9
Tri	PCB-38	3.21e+07	1.10 y	29:57	1.46	23.2
Tri	PCB-35	3.39e+07	1.10 y	30:25	1.42	25.2
Tri	PCB-37	3.73e+07	1.09 y	30:49	1.57	25.1
Tetra	PCB-54	4.69e+07	0.75 y	26:14	0.99	50.6
Tetra	PCB-50	3.45e+07	0.74 y	27:19	0.73	50.3
Tetra	PCB-53	3.45e+07	0.75 y	27:53	0.71	51.8
Tetra	PCB-51	3.55e+07	0.75 y	28:13	0.72	52.5
Tetra	PCB-45	3.07e+07	0.75 y	28:36	0.62	52.6
Tetra	PCB-46	2.90e+07	0.75 y	29:03	0.60	51.3

Type	Name	Resp	RA	RT	RRF	Conc
Tetra	PCB-52/69	7.60e+07	0.75 y	29:29	0.81	101
Tetra	PCB-73	4.66e+07	0.77 y	29:35	0.90	55.1
Tetra	PCB-43/49	6.72e+07	0.74 y	29:45	0.71	102
Tetra	PCB-47	3.75e+07	0.75 y	29:57	0.73	55.1
Tetra	PCB-48/75	8.40e+07	0.75 y	30:03	0.86	104
Tetra	PCB-65	4.29e+07	0.74 y	30:17	0.86	53.4
Tetra	PCB-62	4.27e+07	0.75 y	30:23	0.83	55.1
Tetra	PCB-44	3.57e+07	0.74 y	30:40	0.61	62.5
Tetra	PCB-42/59	7.78e+07	0.75 y	30:52	0.79	106
Tetra	41/64/71/72	1.72e+08	0.75 y	31:24	0.88	210
Tetra	PCB-68	4.81e+07	0.75 y	31:39	0.97	53.3
Tetra	PCB-40	2.61e+07	0.75 y	31:49	0.53	52.6
Tetra	PCB-57	4.58e+07	0.75 y	32:10	1.09	49.2
Tetra	PCB-67	4.65e+07	0.74 y	32:27	1.12	48.7
Tetra	PCB-58	4.64e+07	0.75 y	32:33	1.08	50.4
Tetra	PCB-63	4.58e+07	0.75 y	32:42	1.09	49.5
Tetra	PCB-74	4.79e+07	0.74 y	32:57	1.15	48.8
Tetra	PCB-61	3.96e+07	0.72 y	33:04	0.91	51.2
Tetra	PCB-70	5.82e+07	0.75 y	33:09	1.14	60.1
Tetra	PCB-76	4.44e+07	0.74 y	33:16	0.99	52.9
Tetra	PCB-66	5.32e+07	0.76 y	33:21	1.31	47.6
Tetra	PCB-80	5.38e+07	0.74 y	33:32	1.28	49.3
Tetra	PCB-55	4.59e+07	0.74 y	33:49	1.10	49.1
Tetra	PCB-56/60	8.99e+07	0.74 y	34:16	1.09	96.7
Tetra	PCB-79	4.57e+07	0.75 y	35:15	1.12	48.1
Tetra	PCB-78	4.55e+07	0.75 y	35:53	1.08	49.4
Tetra	PCB-81	4.75e+07	0.74 y	36:22	1.16	48.1
Tetra	PCB-77	4.41e+07	0.75 y	36:54	1.06	48.3
Penta	PCB-104	3.48e+07	1.57 y	30:32	1.16	56.3
Penta	PCB-96	3.22e+07	1.57 y	31:40	1.10	54.6
Penta	PCB-103	2.63e+07	1.57 y	32:11	0.91	53.8
Penta	PCB-100	2.55e+07	1.54 y	32:30	0.90	52.8
Penta	PCB-94	2.18e+07	1.56 y	32:55	0.98	55.9
Penta	B-95/98/102	7.45e+07	1.55 y	33:22	1.09	172
Penta	PCB-93	1.92e+07	1.58 y	33:29	1.00	48.4
Penta	PCB-88/91	4.53e+07	1.55 y	33:45	1.00	114
Penta	PCB-121	3.02e+07	1.58 y	33:52	1.49	51.0

RL: MONO, TRI: _____

RL: DI, TETRA - HEPTA: _____

RL: OCTA - DECA: _____

Integrations by Analyst: [illegible]

Date: 10-19-03

Client ID: PCB 209 CS3 030916G Filename: 031019E1 S:1 Acq:19-OCT-03 10:30:39 ConCal: ST031019E1-1

Lab ID: ST031019E1-1 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	4.39e+07	1.57 y	34:36	1.01	110
Penta	PCB-89	2.10e+07	1.56 y	34:46	0.96	55.2
Penta	PCB-90/101	4.97e+07	1.54 y	34:57	1.14	110
Penta	PCB-113	2.96e+07	1.55 y	35:09	1.19	62.8
Penta	PCB-99	2.57e+07	1.58 y	35:15	1.27	51.4
Penta	PCB-119	3.24e+07	1.57 y	35:40	1.45	56.6
Penta	PCB-108/112	5.02e+07	1.57 y	35:49	1.15	110
Penta	PCB-83	2.95e+07	1.58 y	35:58	1.31	57.2
Penta	PCB-97	2.16e+07	1.57 y	36:08	1.02	53.5
Penta	PCB-86	1.77e+07	1.49 y	36:15	0.91	49.1
Penta	-87/117/125	8.78e+07	1.56 y	36:22	1.32	168
Penta	PCB-111/115	6.18e+07	1.57 y	36:31	1.46	107
Penta	PCB-85/116	5.30e+07	1.57 y	36:38	1.21	111
Penta	PCB-120	3.22e+07	1.54 y	36:52	1.53	53.4
Penta	PCB-110	3.12e+07	1.58 y	36:59	1.47	53.8
Penta	PCB-82	1.69e+07	1.54 y	37:33	0.70	53.7
Penta	PCB-124	3.05e+07	1.56 y	38:11	1.17	57.4
Penta	PCB-107/109	6.06e+07	1.56 y	38:19	1.21	111
Penta	PCB-123	2.84e+07	1.57 y	38:28	1.15	54.4
Penta	PCB-106/118	5.91e+07	1.56 y	38:39	1.06	112
Penta	PCB-114	4.53e+07	1.61 y	39:13	1.40	51.1
Penta	PCB-122	4.21e+07	1.61 y	39:21	1.45	46.1
Penta	PCB-105	4.47e+07	1.64 y	40:01	1.44	49.6
Penta	PCB-127	4.16e+07	1.66 y	40:20	1.35	49.1
Penta	PCB-126	4.26e+07	1.68 y	42:03	1.41	49.0
Hexa	PCB-155	2.18e+07	1.33 y	34:32	1.12	64.0
Hexa	PCB-150	1.99e+07	1.33 y	35:41	1.04	63.2
Hexa	PCB-152	1.94e+07	1.33 y	36:06	1.03	62.2
Hexa	PCB-145	1.93e+07	1.35 y	36:30	1.02	62.7
Hexa	PCB-136	1.87e+07	1.35 y	36:48	1.00	62.0
Hexa	PCB-148	1.44e+07	1.34 y	36:54	0.79	60.2
Hexa	PCB-154	1.66e+07	1.34 y	37:21	0.92	59.5
Hexa	PCB-151	1.32e+07	1.39 y	37:56	0.72	60.3
Hexa	PCB-135	1.32e+07	1.38 y	38:07	0.70	61.8
Hexa	PCB-144	1.38e+07	1.34 y	38:14	0.77	58.9
Hexa	PCB-147	1.43e+07	1.34 y	38:21	0.83	57.1
Hexa	PCB-139/149	2.86e+07	1.35 y	38:35	0.80	118
Hexa	PCB-140	1.43e+07	1.33 y	38:45	0.80	58.9
Hexa	PCB-134/143	4.70e+07	1.20 y	39:09	0.74	104
Hexa	PCB-133/142	4.73e+07	1.21 y	39:25	0.74	104
Hexa	PCB-131	2.25e+07	1.19 y	39:34	0.72	50.8
Hexa	PCB-146/165	6.28e+07	1.22 y	39:47	1.01	102
Hexa	PCB-132/161	5.85e+07	1.22 y	39:59	0.96	100.0
Hexa	PCB-153	3.17e+07	1.21 y	40:09	1.03	50.3
Hexa	PCB-168	3.45e+07	1.21 y	40:20	1.11	50.7
Hexa	PCB-141	2.71e+07	1.20 y	40:49	0.89	49.8
Hexa	PCB-137	2.46e+07	1.19 y	41:10	0.84	48.1
Hexa	PCB-130	2.38e+07	1.21 y	41:15	0.77	50.5
Hexa	138/163/164	9.91e+07	1.21 y	41:36	1.09	148
Hexa	PCB-158/160	6.93e+07	1.21 y	41:49	1.16	97.5
Hexa	PCB-129	2.10e+07	1.22 y	42:02	0.73	46.8
Hexa	PCB-166	3.24e+07	1.23 y	42:27	0.93	51.2
Hexa	PCB-159	3.42e+07	1.22 y	42:45	0.99	50.8
Hexa	PCB-128/162	5.65e+07	1.21 y	43:01	0.84	99.5
Hexa	PCB-167	3.34e+07	1.20 y	43:22	0.97	51.0
Hexa	PCB-156	3.36e+07	1.22 y	44:32	1.04	50.9
Hexa	PCB-157	3.20e+07	1.20 y	44:47	0.96	50.1
Hexa	PCB-169	3.06e+07	1.23 y	46:44	0.96	49.9
Hepta	PCB-188	3.41e+07	1.07 y	39:49	1.47	53.2
Hepta	PCB-184	3.42e+07	1.07 y	40:13	1.48	53.0
Hepta	PCB-179	3.16e+07	1.09 y	40:55	1.38	52.7
Hepta	PCB-176	3.07e+07	1.07 y	41:20	1.34	52.6
Hepta	PCB-186	2.99e+07	1.07 y	41:53	1.38	49.9
Hepta	PCB-178	2.15e+07	1.05 y	42:20	0.99	49.8
Hepta	PCB-175	2.22e+07	1.05 y	42:39	0.98	52.3
Hepta	PCB-182/187	4.88e+07	1.06 y	42:48	1.16	97.3
Hepta	PCB-183	2.40e+07	1.06 y	43:06	1.12	49.4
Hepta	PCB-185	2.07e+07	1.06 y	43:41	1.38	54.0
Hepta	PCB-174	2.28e+07	1.06 y	44:01	1.46	56.1
Hepta	PCB-181	2.08e+07	1.07 y	44:07	1.42	52.4
Hepta	PCB-177	1.90e+07	1.05 y	44:16	1.35	50.6
Hepta	PCB-171	2.07e+07	1.07 y	44:32	1.45	51.1
Hepta	PCB-173	1.84e+07	1.06 y	44:55	1.29	51.2
Hepta	PCB-172	1.90e+07	1.07 y	45:20	1.30	52.4

RL: MONO, TRI: _____

RL: DI, TETRA - HEPTA: _____

RL: OCTA - DECA: _____

Integrations by Analyst: [signature]

Date: 10.19.03

Client ID: PCB 209 CS3 030916G Filename: 031019E1 S:1 Acq:19-OCT-03 10:30:39 ConCal: ST031019E1-1

Lab ID: ST031019E1-1 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	2.51e+07	1.05 y	45:31	1.70	52.9
Hepta	PCB-180	2.20e+07	1.06 y	45:42	1.50	52.5
Hepta	PCB-193	2.78e+07	1.06 y	45:53	1.94	51.5
Hepta	PCB-191	2.58e+07	1.08 y	46:06	1.79	51.7
Hepta	PCB-170	1.87e+07	1.08 y	47:03	1.54	52.8
Hepta	PCB-190	2.48e+07	1.06 y	47:12	2.02	53.1
Hepta	PCB-189	2.50e+07	1.04 y	48:26	1.42	50.9
Octa	PCB-202	2.40e+07	0.92 y	44:43	1.00	84.8
Octa	PCB-201	2.42e+07	0.93 y	45:09	0.99	86.9
Octa	PCB-204	2.44e+07	0.93 y	45:17	1.02	85.2
Octa	PCB-197	2.52e+07	0.94 y	45:35	1.04	86.2
Octa	PCB-200	2.32e+07	0.95 y	46:22	0.98	84.2
Octa	PCB-198	1.58e+07	0.95 y	47:35	0.68	82.4
Octa	PCB-199	1.56e+07	0.94 y	47:41	0.74	74.5
Octa	PCB-196/203	3.40e+07	0.93 y	47:56	0.79	152
Octa	PCB-195	3.65e+07	0.91 y	49:01	1.18	74.6
Octa	PCB-194	3.92e+07	0.92 y	49:49	1.28	73.8
Octa	PCB-205	5.25e+07	0.92 y	50:04	1.67	75.7
Nona	PCB-208	3.66e+07	1.34 y	49:08	0.94	79.3
Nona	PCB-207	3.40e+07	1.34 y	49:26	0.84	83.2
Nona	PCB-206	2.59e+07	1.35 y	51:15	0.88	86.2
Deca	PCB-209	3.86e+07	1.21 y	52:29	1.11	74.8

Type	Name	Resp	RA	RT	RRF	Conc	
Tot F:1	Total Mono-PCB	1.02e+08	2.90 y	15:16	0.93	84.5	
Tot F:2	Total Di-PCB	4.21e+08	1.61 y	18:59	1.51	282	
Tot F:2	Total Tri-PCB	1.96e+08	1.04 y	22:47	0.99	210	
Tot F:3	Total Tri-PCB	5.81e+08	1.06 y	26:12	1.38	428	Sum:638
Tot F:3	Total Tetra-PCB	1.78e+09	0.75 y	26:14	0.81	2180	
Tot F:3	Total Penta-PCB	1.09e+09	1.57 y	30:32	1.10	2260	
Tot F:4	Total Penta-PCB	2.30e+08	1.61 y	39:13	1.41	260	Sum:2520
Tot F:3	Total Hexa-PCB	2.28e+08	1.33 y	34:32	0.88	849	
Tot F:4	Total Hexa-PCB	8.35e+08	1.20 y	39:09	0.92	1430	Sum:2280
Tot F:4	Total Hepta-PCB	5.96e+08	1.07 y	39:49	1.37	1260	
Tot F:4	Total Octa-PCB	1.86e+08	0.92 y	44:43	0.89	736	
Tot F:5	Total Octa-PCB	1.31e+08	0.91 y	49:01	1.38	229	Sum:965
Tot F:5	Total Nona-PCB	9.71e+07	1.34 y	49:08	0.89	250	
Tot F:5	Total Deca-PCB	3.86e+07	1.21 y	52:29	1.11	74.8	

RL: MONO, TRI: _____ Integrations by Analyst: _____

RL: DI, TETRA - HEPTA: _____

RL: OCTA - DECA: _____ Date: 10-19-03

Client ID: PCB 209 CS3 030916G Filename: 031019E1 S:1 Acq:19-OCT-03 10:30:39 ConCal: ST031019E1-1

Lab ID: ST031019E1-1 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	1.29e+08	3.05	y	15:15	1.09	105	105
Mono-IS	13C-PCB-3	1.30e+08	3.11	y	17:42	1.24	92.5	92.5
Di-IS	13C-PCB-4	6.62e+07	1.56	y	18:56	0.59	99.4	99.4
Di-IS	13C-PCB-9	1.04e+08	1.61	y	20:36	0.90	102	102
Tri-IS	13C-PCB-19	6.47e+07	1.05	y	22:46	0.70	86.6	86.6
Tri-IS	13C-PCB-32	1.09e+08	1.07	y	25:27	1.18	86.8	86.8
Tri-IS	13C-PCB-28	1.02e+08	1.09	y	27:15	1.09	87.0	87.0
Tri-IS	13C-PCB-37	9.45e+07	1.09	y	30:48	0.93	95.1	95.1
Tetra-IS	13C-PCB-54	9.35e+07	0.81	y	26:13	1.15	91.2	91.2
Tetra-IS	13C-PCB-81	8.51e+07	0.80	y	36:21	0.98	97.5	97.5
Tetra-IS	13C-PCB-77	8.62e+07	0.79	y	36:53	1.01	95.7	95.7
Penta-IS	13C-PCB-104	5.34e+07	1.60	y	30:31	0.93	107	107
Penta-IS	13C-PCB-95	3.97e+07	1.63	y	33:23	0.73	102	102
Penta-IS	13C-PCB-101	3.96e+07	1.63	y	34:56	0.73	101	101
Penta-IS	13C-PCB-123	4.52e+07	1.62	y	38:27	0.87	96.4	96.4
Penta-IS	13C-PCB-118	4.97e+07	1.62	y	38:37	0.98	94.2	94.2
Penta-IS	13C-PCB-114	6.33e+07	1.62	y	39:13	1.13	105	105
Penta-IS	13C-PCB-105	6.27e+07	1.61	y	39:59	1.09	108	108
Penta-IS	13C-PCB-126	6.19e+07	1.63	y	42:02	1.06	110	110
Hexa-IS	13C-PCB-155	3.04e+07	1.28	y	34:31	0.97	58.3	58.3
Hexa-IS	13C-PCB-153	6.12e+07	1.25	y	40:08	1.12	103	103
Hexa-IS	13C-PCB-167	6.78e+07	1.28	y	43:21	1.28	99.1	99.1
Hexa-IS	13C-PCB-156	6.32e+07	1.24	y	44:31	1.24	95.3	95.3
Hexa-IS	13C-PCB-157	6.65e+07	1.24	y	44:46	1.33	93.9	93.9
Hexa-IS	13C-PCB-169	6.38e+07	1.26	y	46:43	1.26	94.8	94.8
Hepta-IS	13C-PCB-188	4.35e+07	0.48	y	39:47	0.92	88.2	88.2
Hepta-IS	13C-PCB-180	2.79e+07	0.47	y	45:41	0.65	80.1	80.1
Hepta-IS	13C-PCB-170	2.31e+07	0.46	y	47:02	0.56	77.8	77.8
Hepta-IS	13C-PCB-189	3.45e+07	0.46	y	48:25	0.85	76.7	76.7
Octa-IS	13C-PCB-202	2.82e+07	0.91	y	44:42	1.02	52.1	52.1
Octa-IS	13C-PCB-194	4.14e+07	0.93	y	49:48	0.71	95.5	95.5
Nona-IS	13C-PCB-208	4.89e+07	0.80	y	49:08	0.94	85.5	85.5
Nona-IS	13C-PCB-206	3.42e+07	0.78	y	51:14	0.65	86.4	86.4
Deca-IS	13C-PCB-209	4.66e+07	1.22	y	52:28	0.97	78.6	78.6
Di-RS	13C-PCB-15	1.13e+08	1.59	y	24:22	1.00	100	-
Tri-RS	13C-PCB-31	1.07e+08	1.09	y	27:09	1.00	100	-
Tetra-RS	13C-PCB-60	8.93e+07	0.79	y	34:16	1.00	100	-
Penta-RS	13C-PCB-111	5.37e+07	1.61	y	36:31	1.00	100	-
Hexa-RS	13C-PCB-138	5.33e+07	1.26	y	41:33	1.00	100	-
Octa-RS	13C-PCB-205	6.11e+07	0.92	y	50:03	1.00	100	-

Type	Name	Resp	RA		RT	RRF	Conc	Rec
Tetra-PS	13C-PCB-52	7.05e+07	0.80	y	29:27	0.80	99.3	99.3
Hepta-PS	13C-PCB-178	2.68e+07	0.46	y	42:19	0.59	85.8	85.8

Integrations by Analyst: [illegible]

Date: 10-19-03

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: ST031018 1-1 Ending Calibration ID: ST031018 1-2

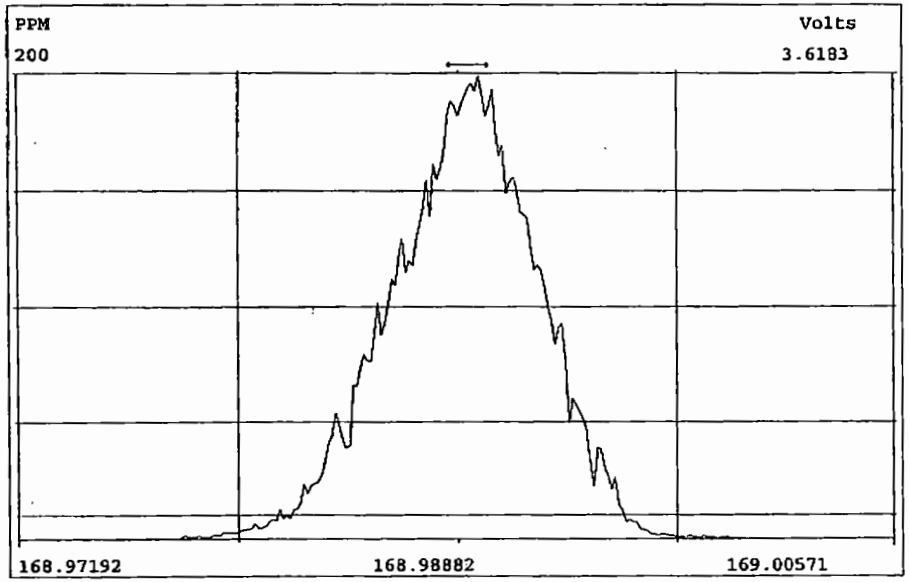
	Beg.CAL	End. CAL	COMMENTS
Calibration Verification/Form 4A/B: Ion abundance within QC limits?	✓	✓	
Calibration Verification/Form 4A/B: Conc within Conc. range?	✓	✓	
Form 5: First and last eluters present? (N/A for DB225)	N/A	N/A	
Form 6A/6B: Relative Retention Times within limits? (N/A for M23, TO9, 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: CST within 12 hrs?		↓	

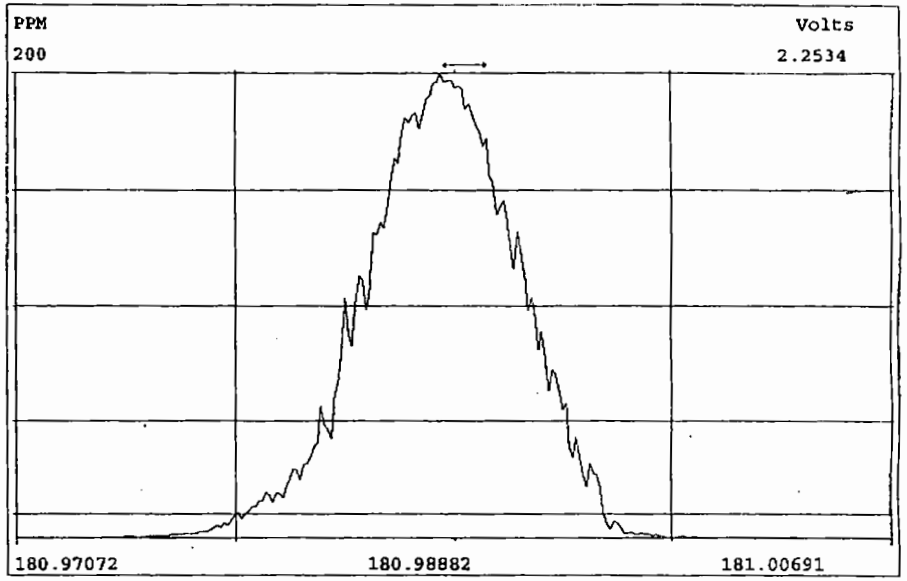
Reviewer Initial/Date: MS 10/20/07 QA* (Random 5% Check) Initial/Date: _____

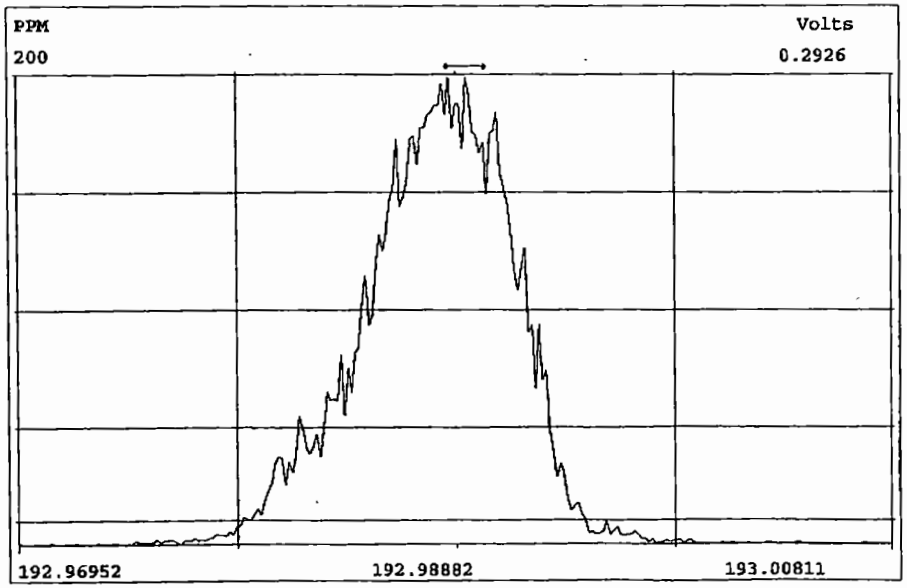
Alta Analytical Laboratory
El Dorado Hills, CA 95762

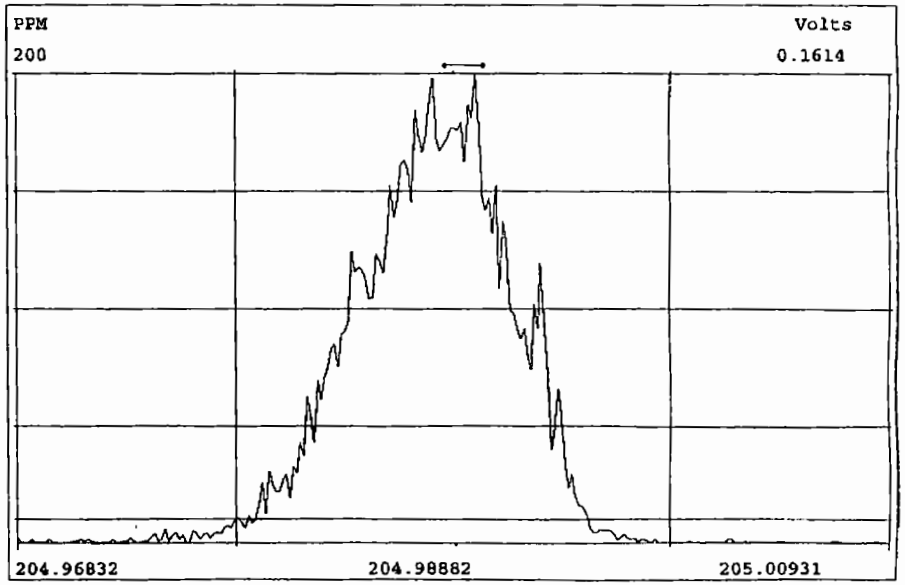
Peak Locate Examination:19-OCT-2003:10:29 File:031019E1

Experiment:PCB_DB1 Function:1 Reference:PFK



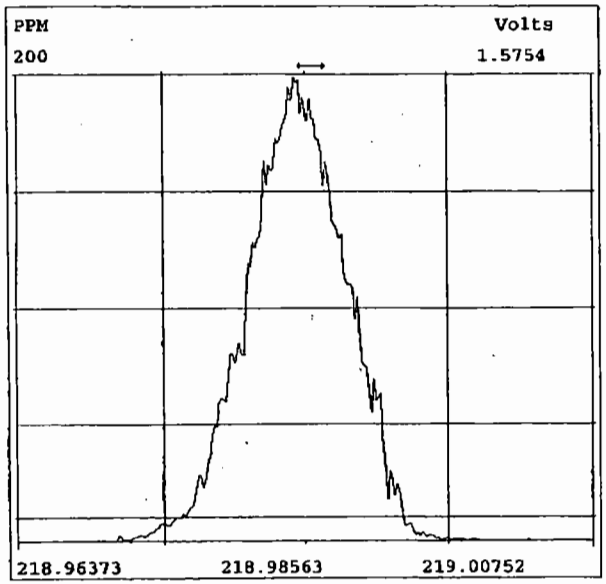


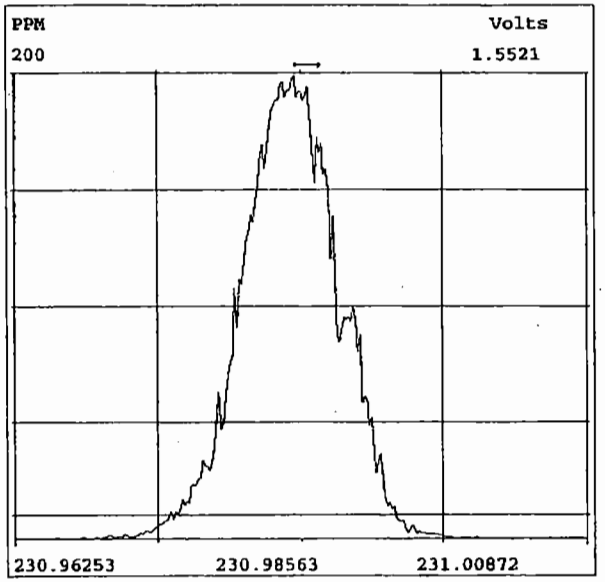


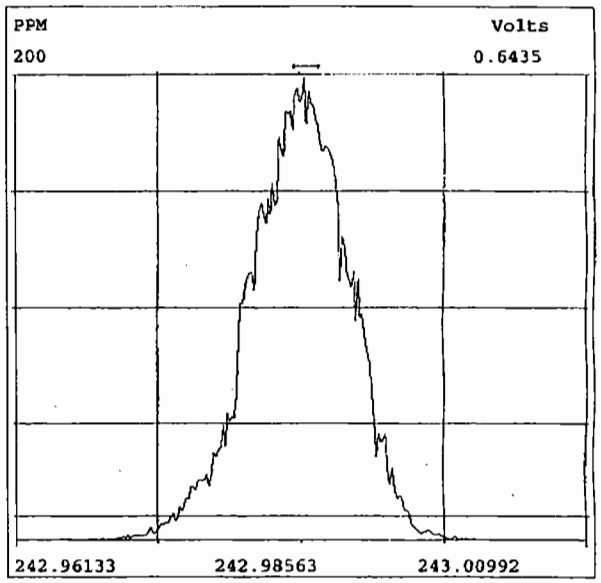


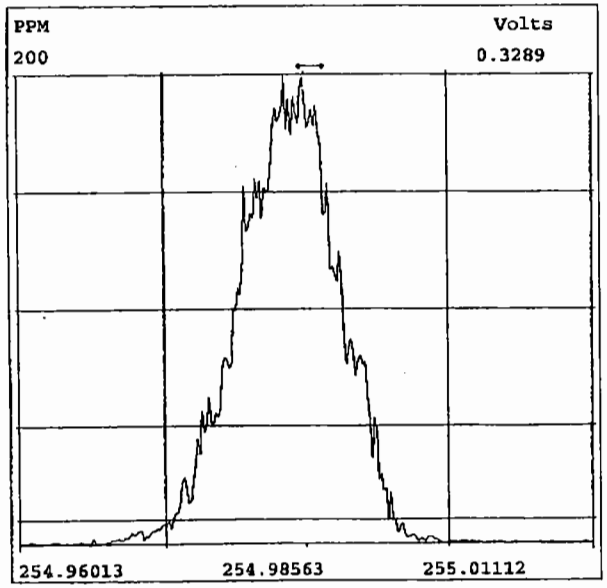
Peak Locate Examination:19-OCT-2003:10:29 File:031019E1

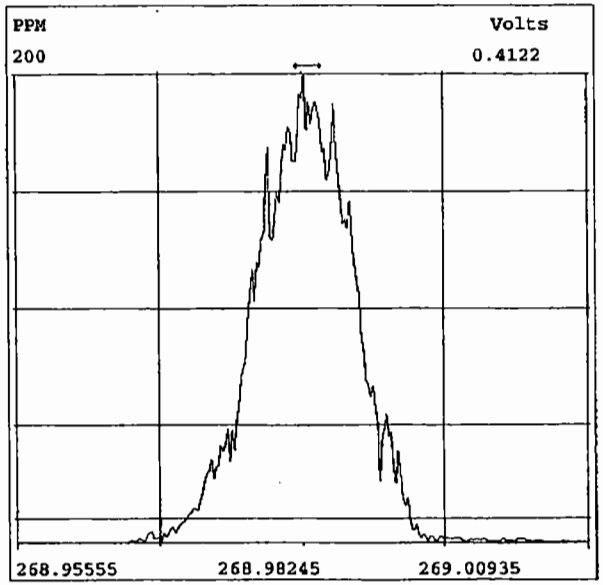
Experiment:PCB_DB1 Function:2 Reference:PFK

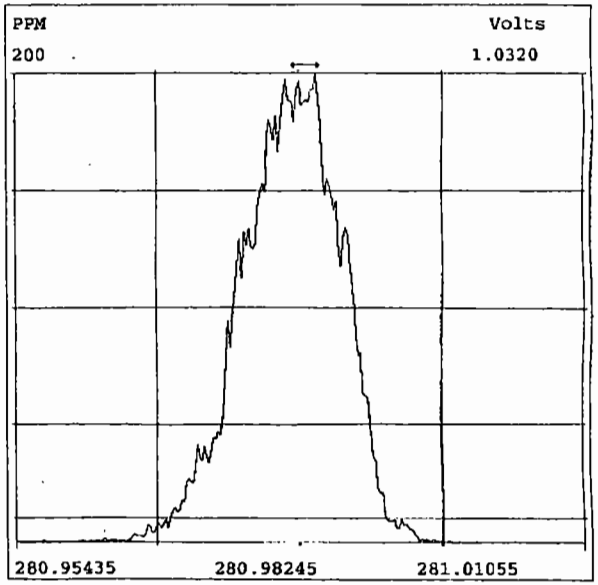






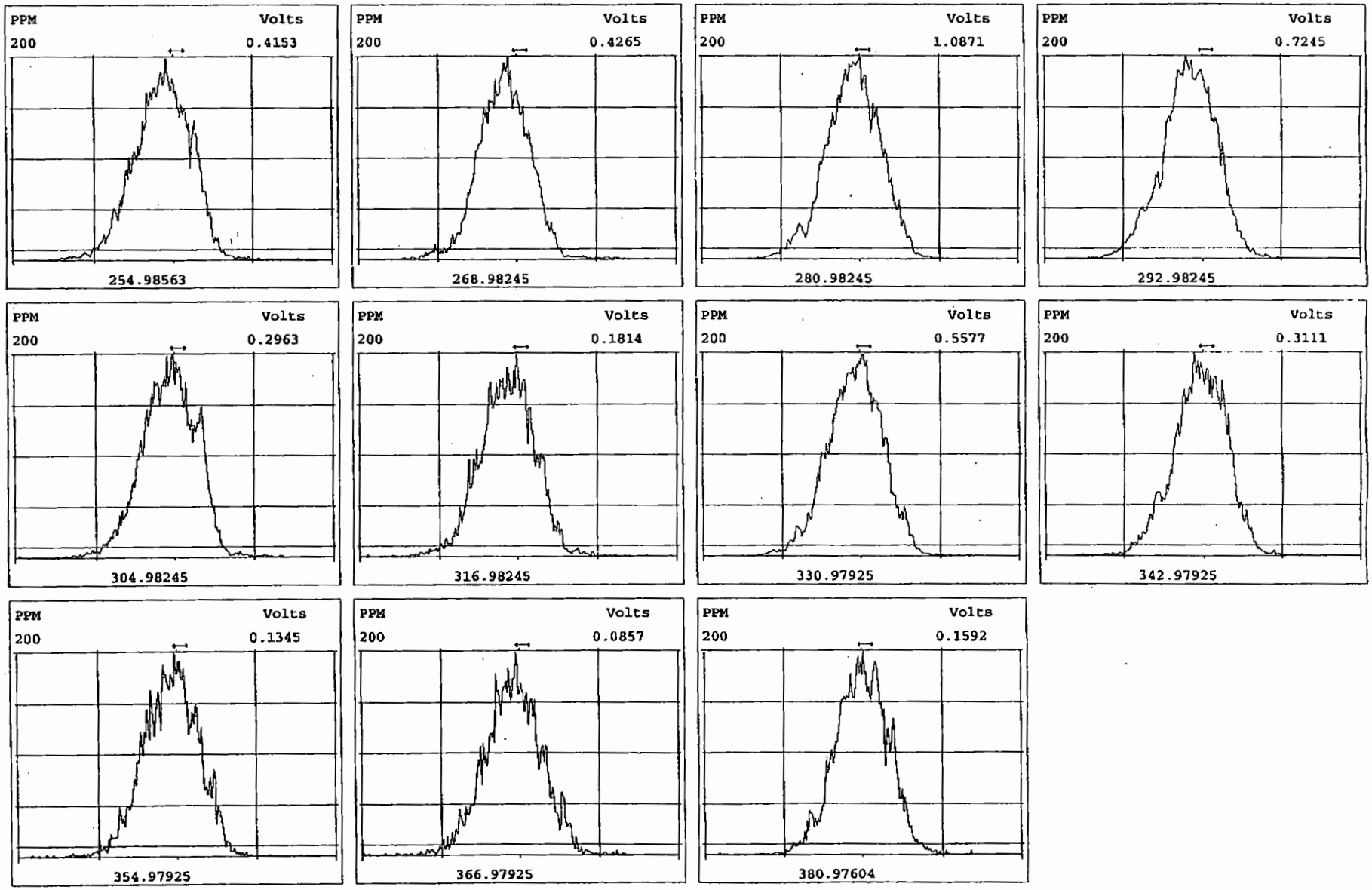






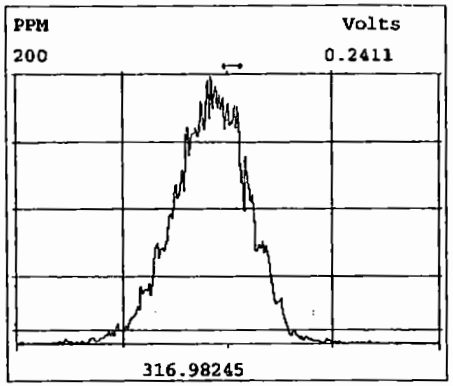
Peak Locate Examination:19-OCT-2003:10:29 File:031019E1

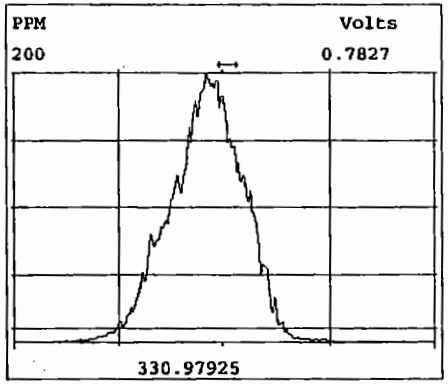
Experiment:PCB_DB1 Function:3 Reference:PFK

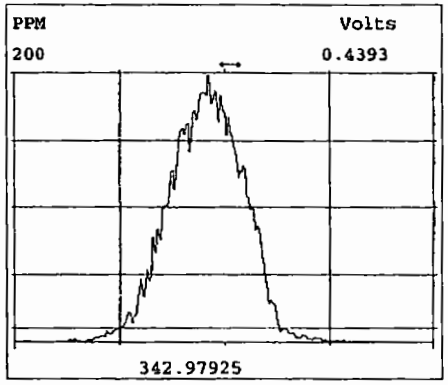


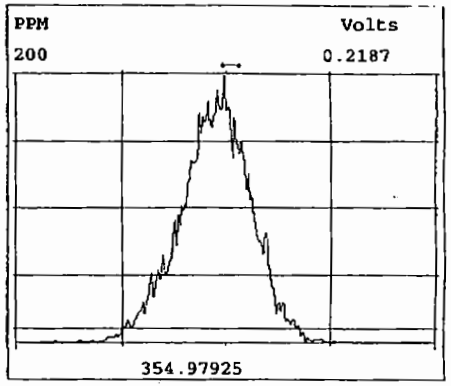
Peak Locate Examination:19-OCT-2003:10:29 File:031019E1

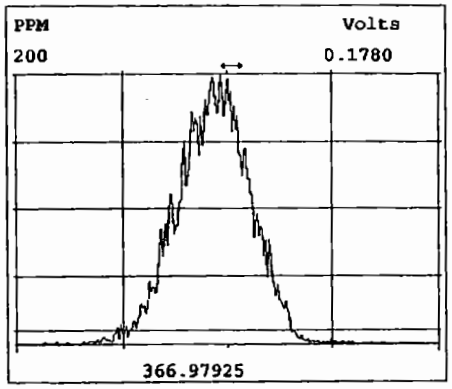
Experiment:PCB_DB1 Function:4 Reference:PFK

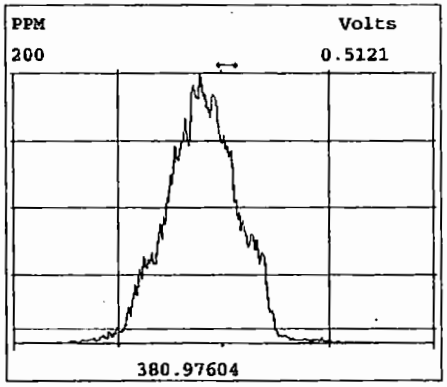


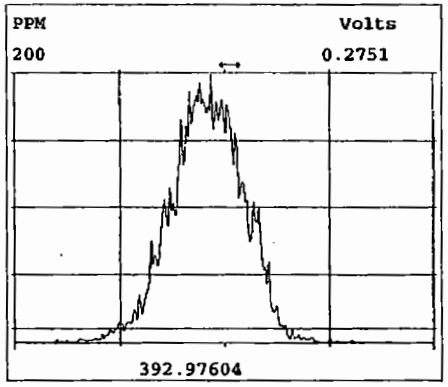


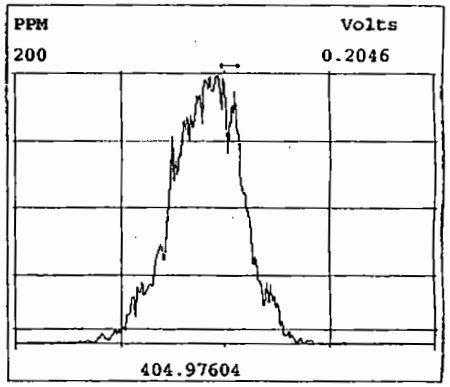


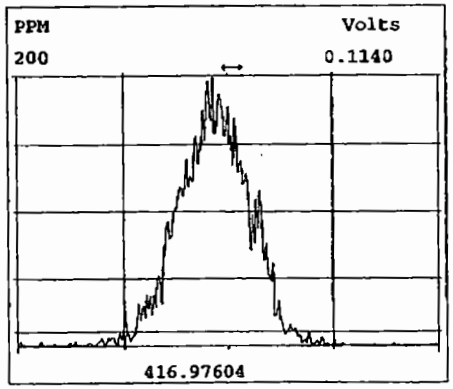


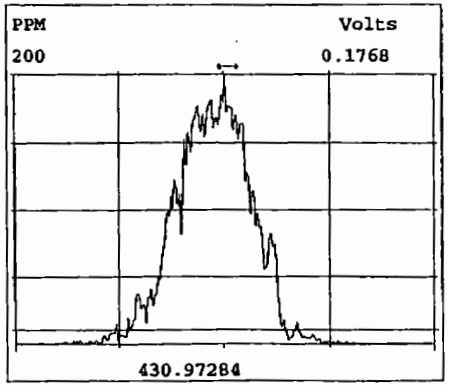


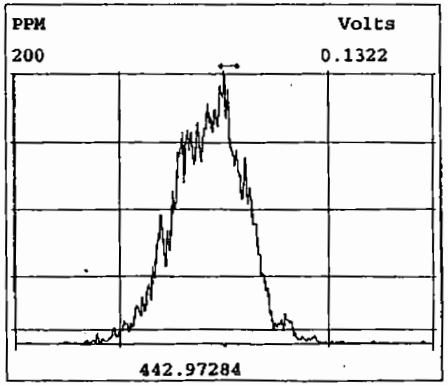






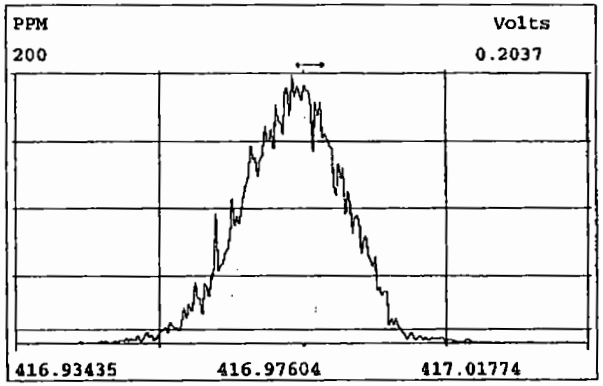


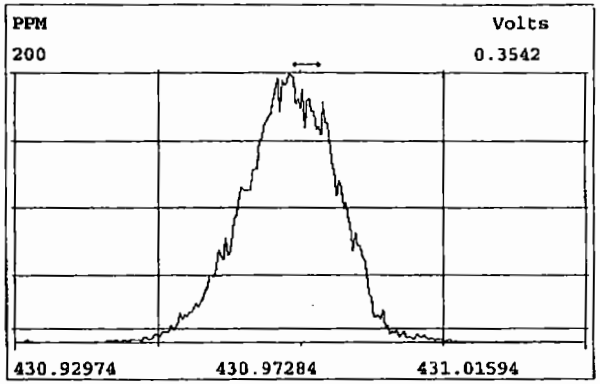


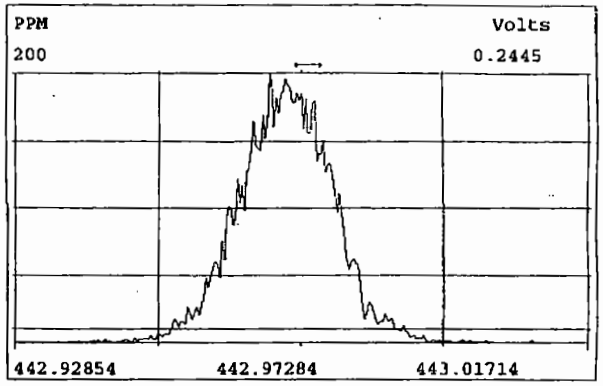


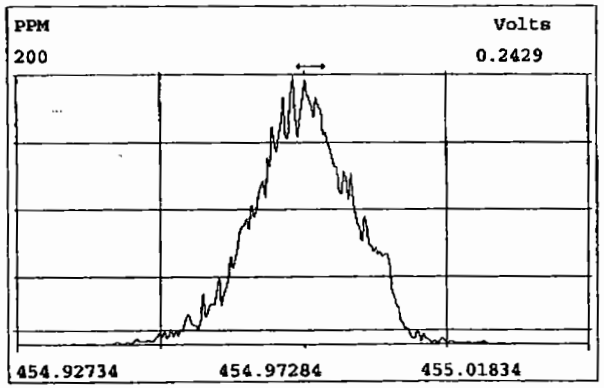
Peak Locate Examination:19-OCT-2003:10:30 File:031019E1

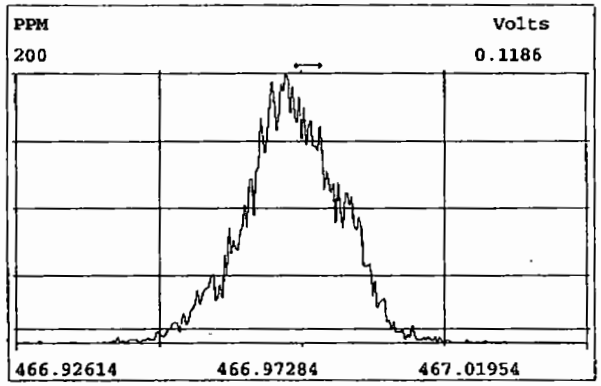
Experiment:PCB_DB1 Function:5 Reference:PFK

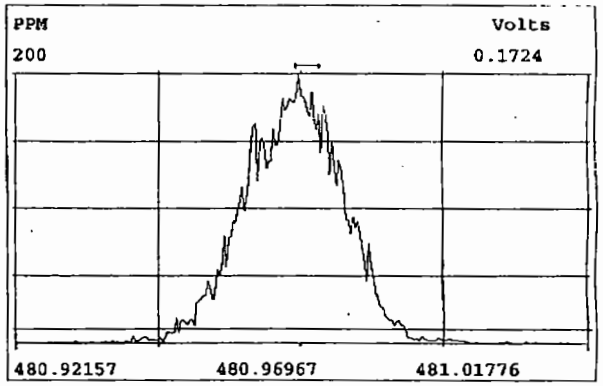


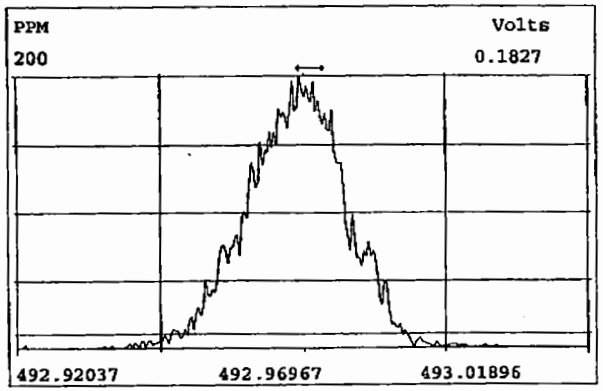


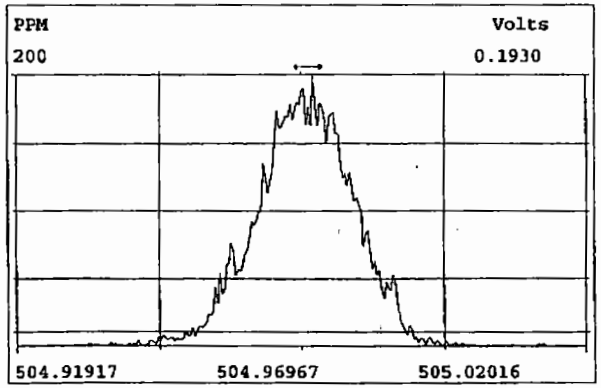


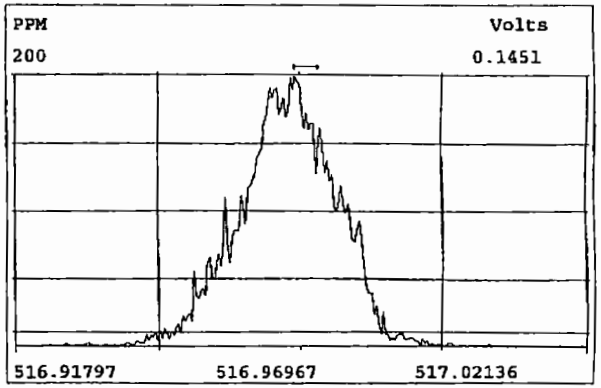




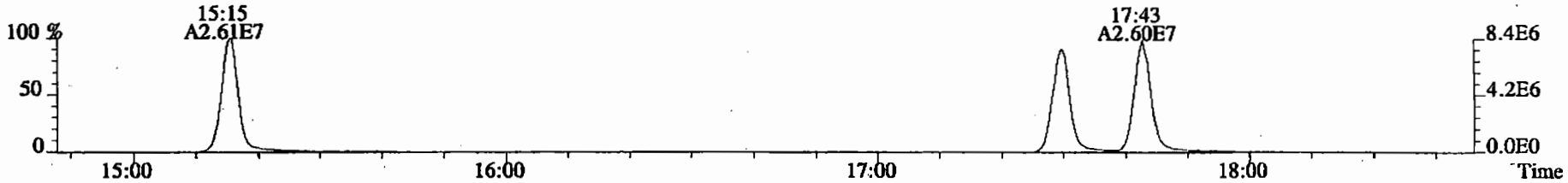






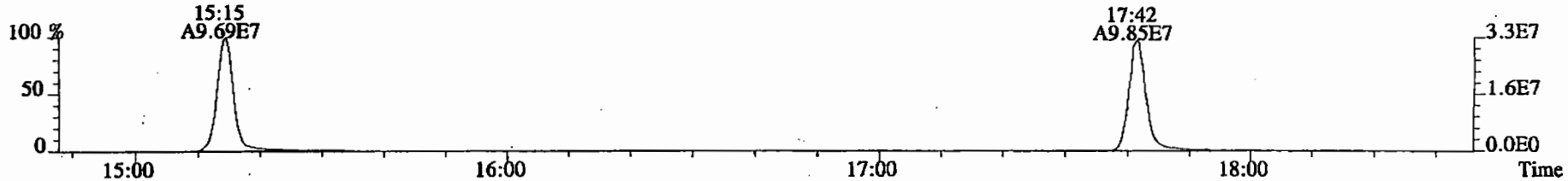


File:031019E1 #1-728 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
188.0393 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,7836.0,0.00%,F,F)

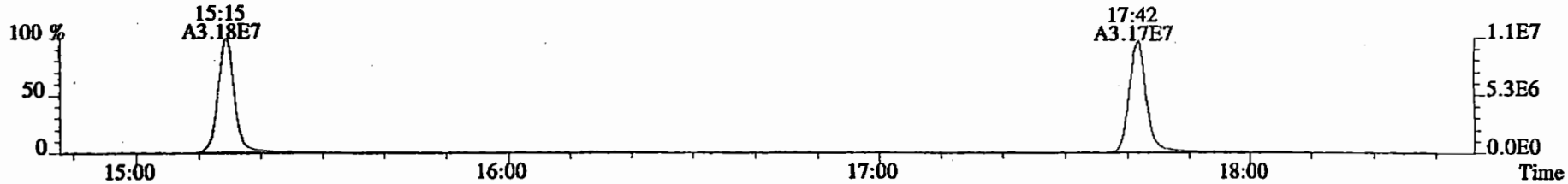


190.0363 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4436.0,0.00%,F,F)

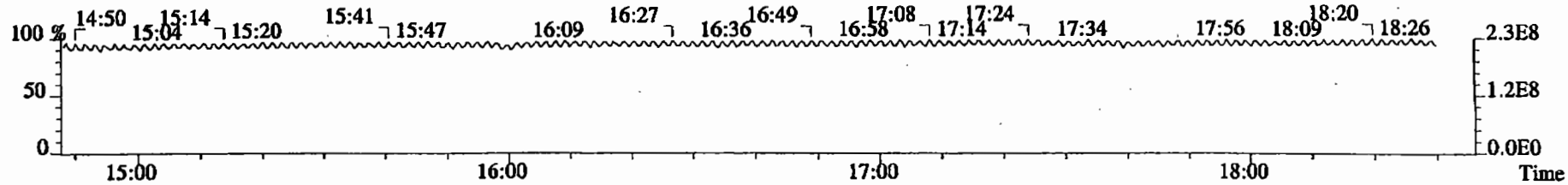
200.0795 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,6380.0,0.00%,F,F)



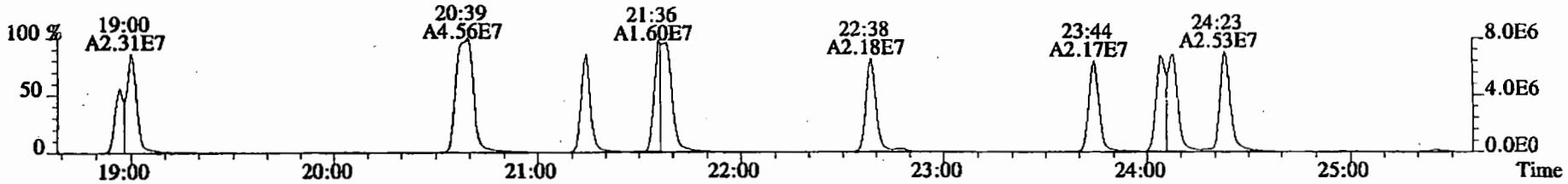
202.0766 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,34772.0,0.00%,F,F)



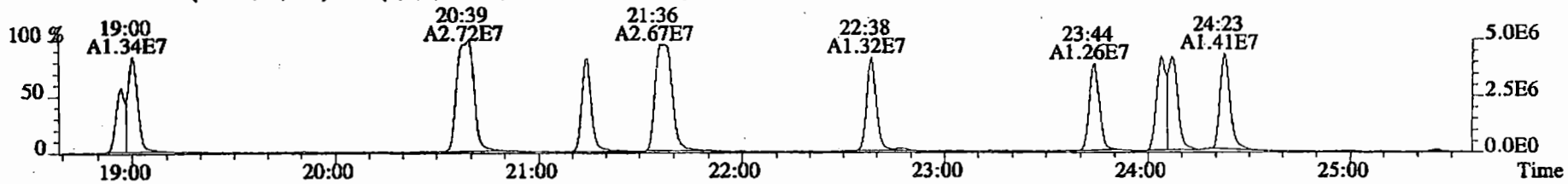
180.9880



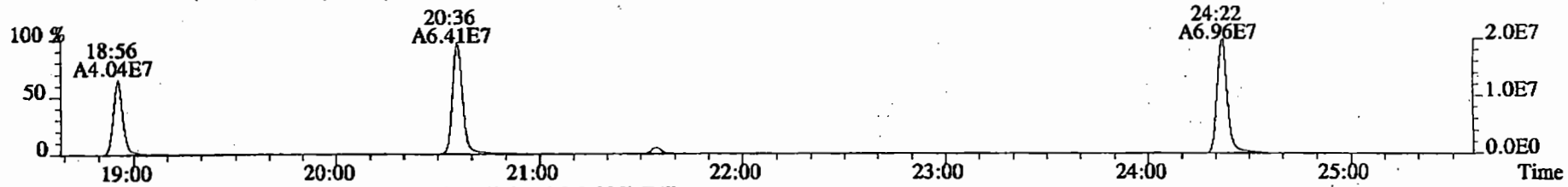
File:031019E1 #1-686 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5144.0,0.00%,F,F)



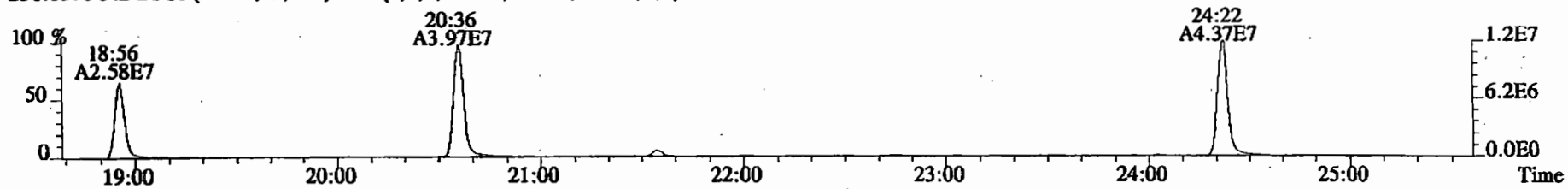
223.9974 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,53688.0,0.00%,F,F)



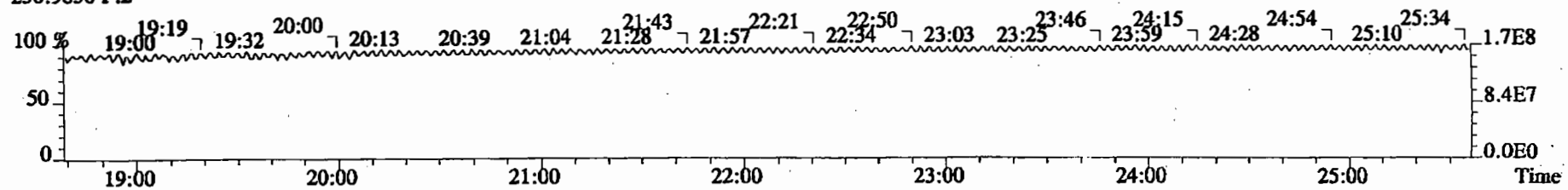
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4688.0,0.00%,F,F)



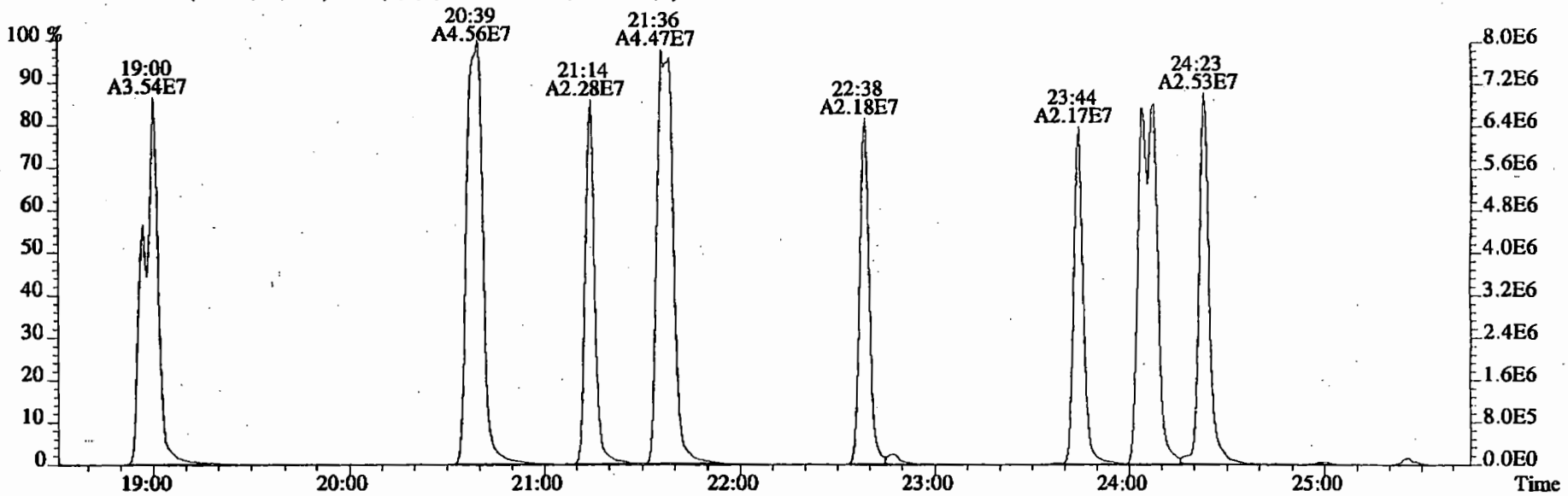
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3116.0,0.00%,F,F)



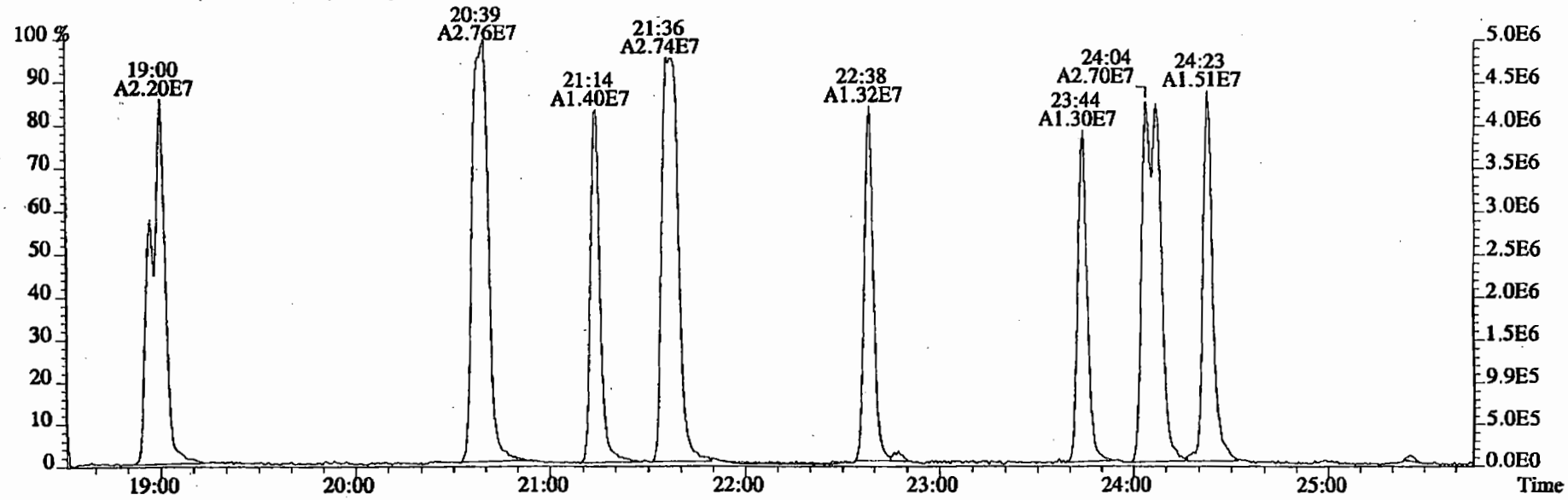
230.9856 F:2



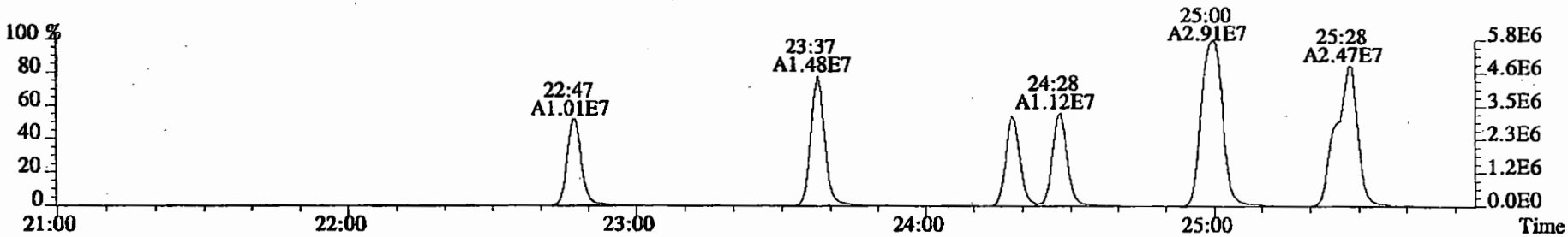
File:031019E1 #1-686 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5144.0,0.00%,F,F)



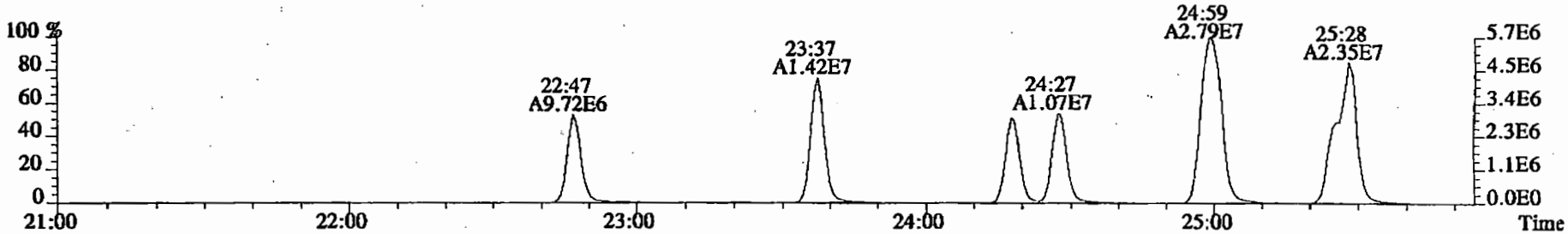
223.9974 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,53688.0,0.00%,F,F)



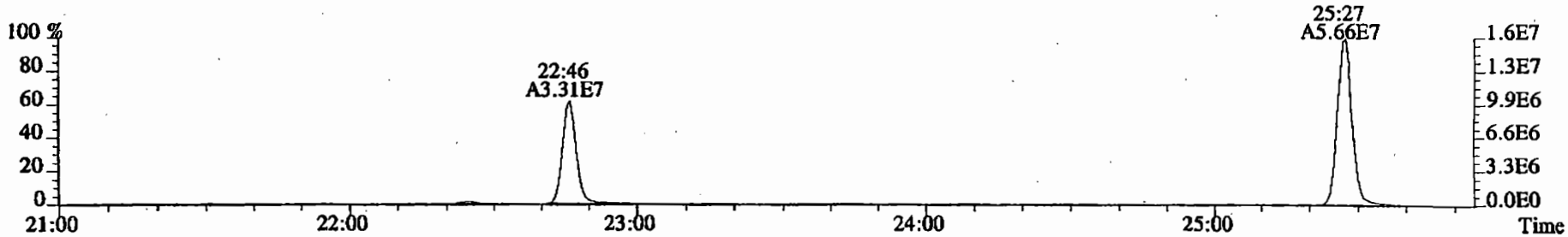
File:031019E1 #1-686 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3760.0,0.00%,F,F)



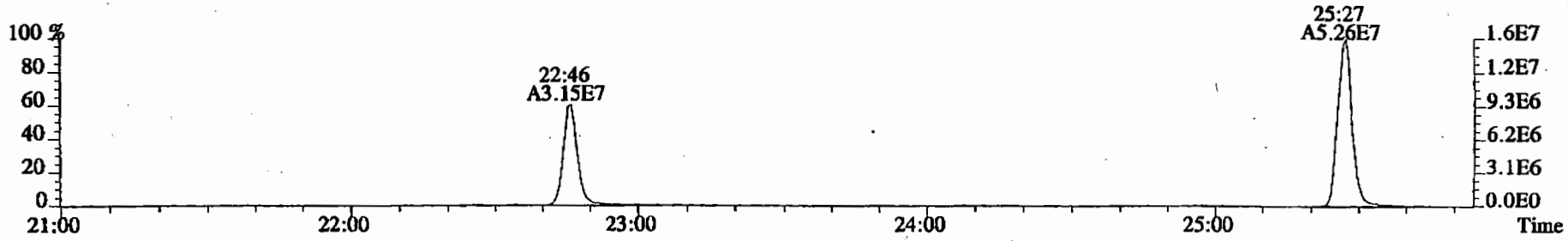
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1844.0,0.00%,F,F)



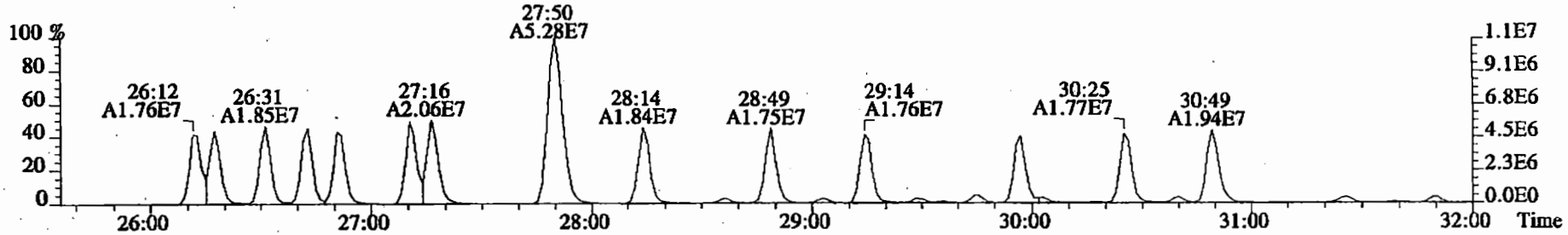
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,56692.0,0.00%,F,F)



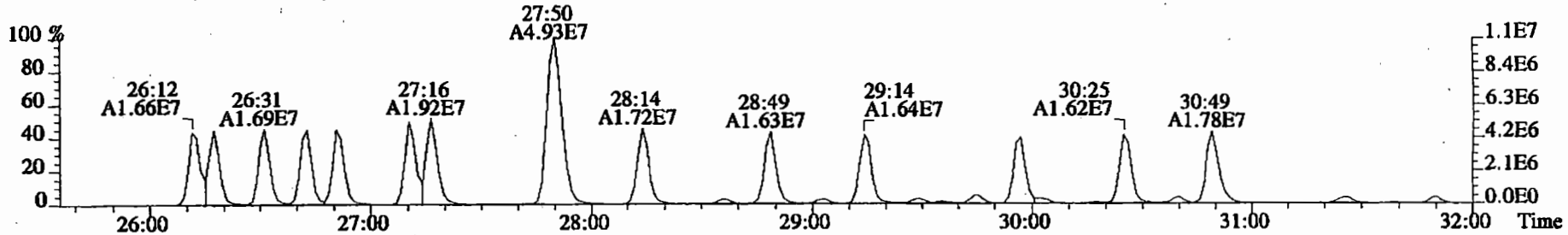
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,22816.0,0.00%,F,F)



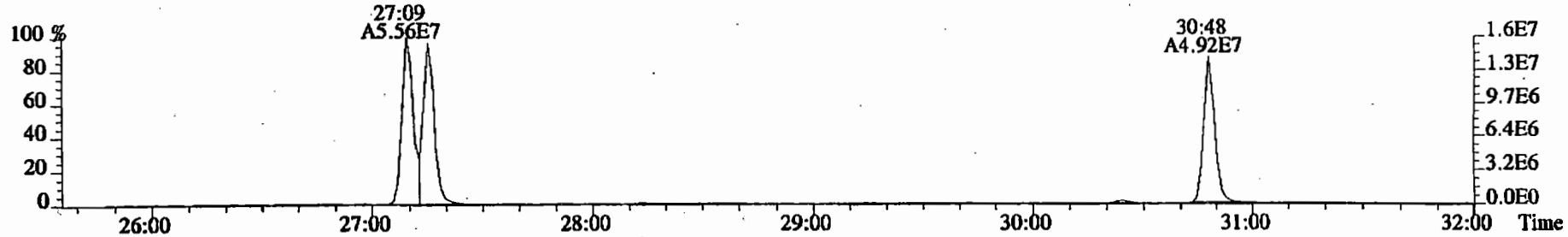
File:031019E1 #1-681 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
255.9613 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,9620.0,0.00%,F,F)



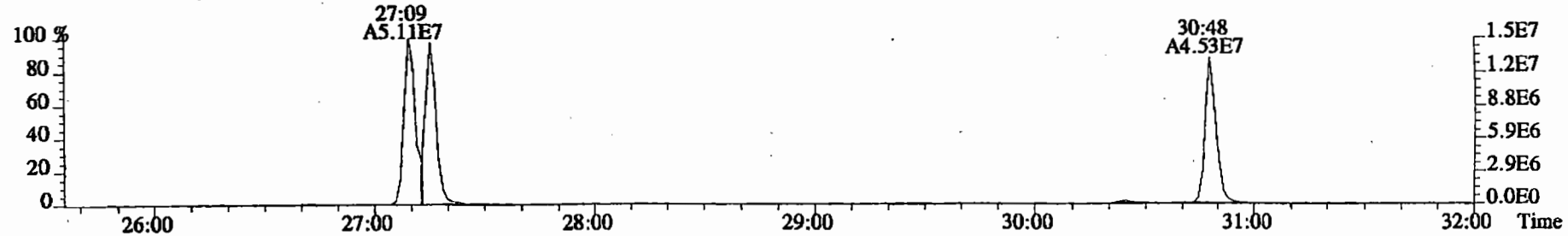
257.9584 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,8728.0,0.00%,F,F)



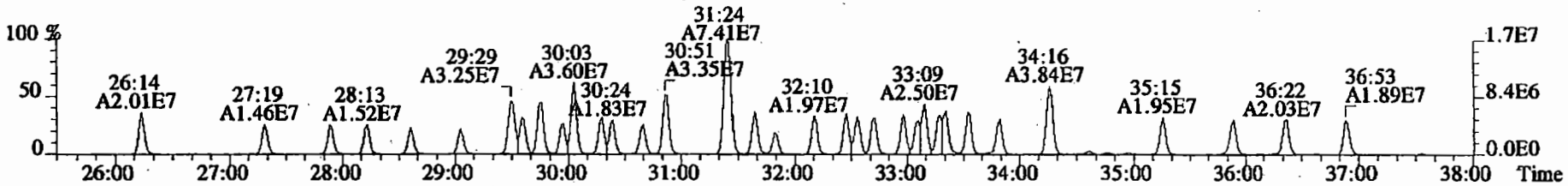
268.0016 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,63652.0,0.00%,F,F)



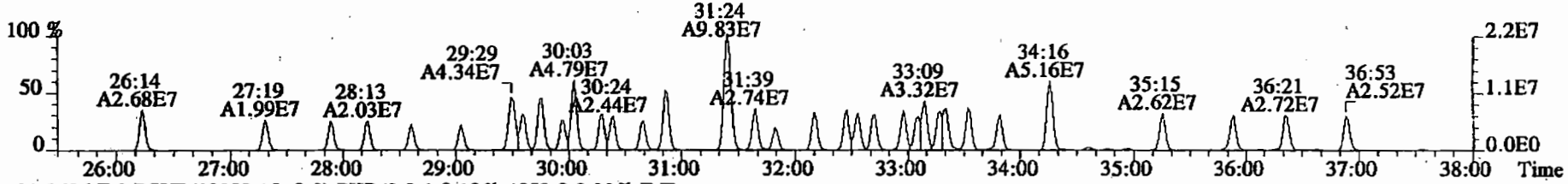
269.9986 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,24196.0,0.00%,F,F)



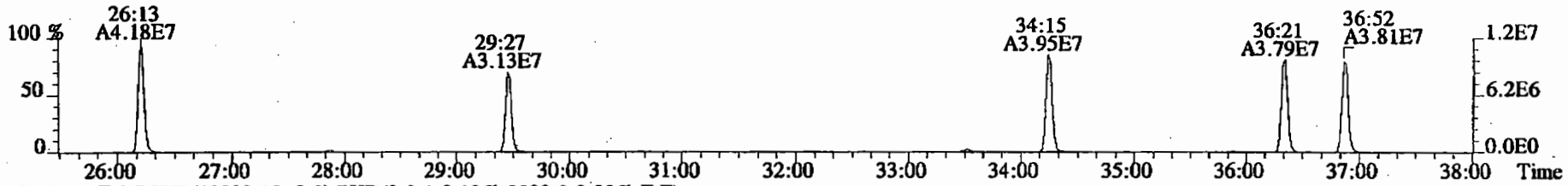
File:031019E1 #1-681 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,10632.0,0.00%,F,F)



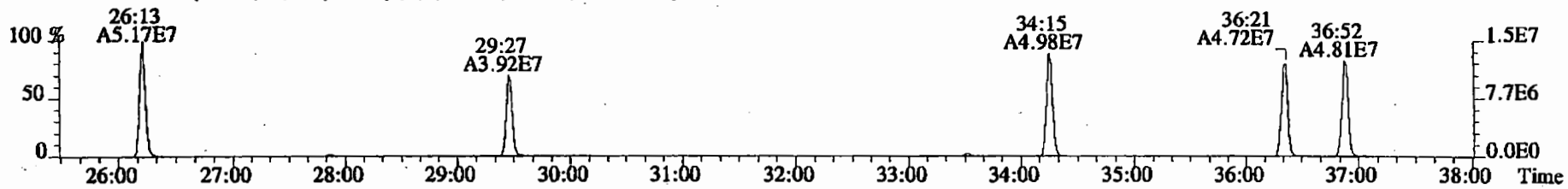
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,12452.0,0.00%,F,F)



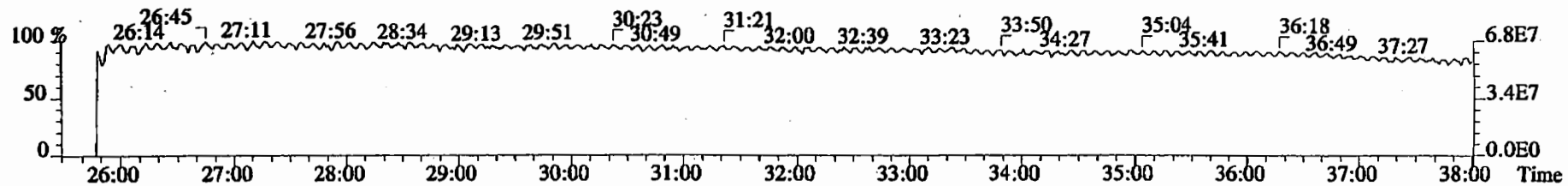
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4052.0,0.00%,F,F)



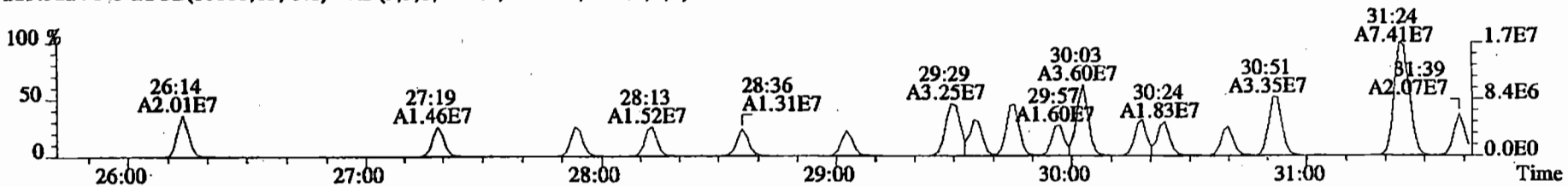
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2992.0,0.00%,F,F)



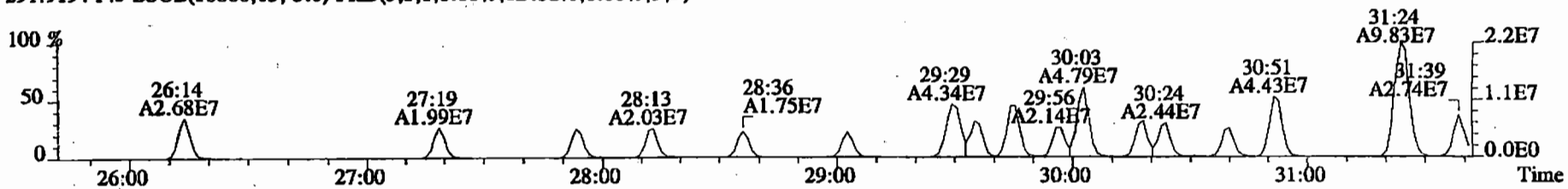
330.9792 F:3



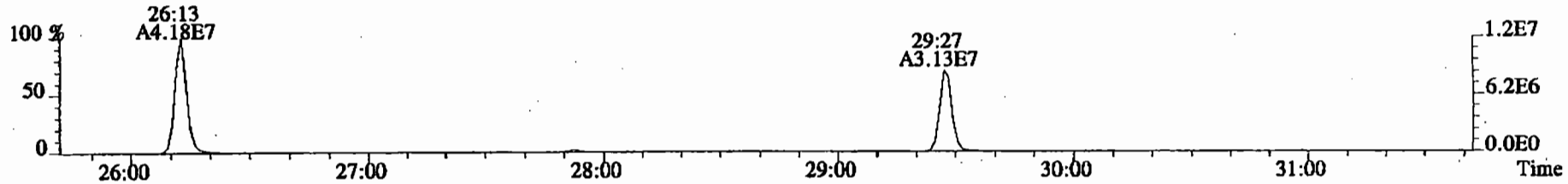
File:031019E1 #1-681 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,10632.0,0.00%,F,F)



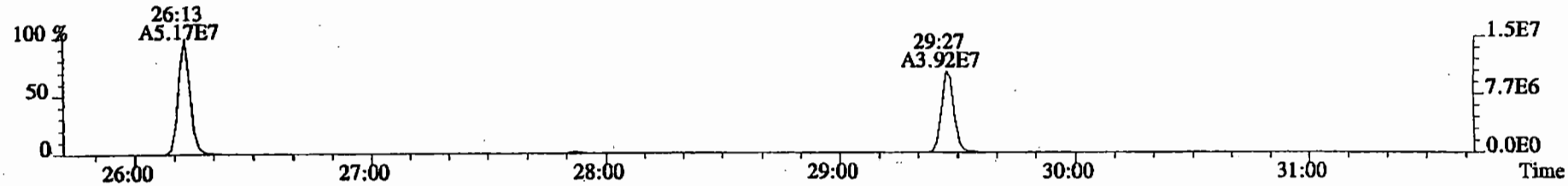
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,12452.0,0.00%,F,F)



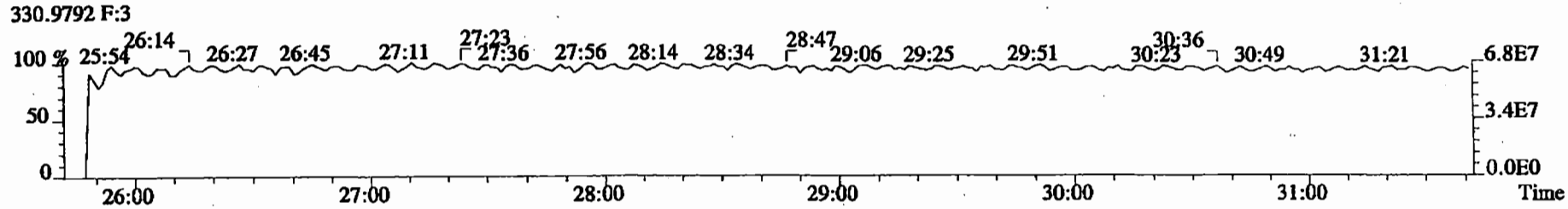
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4052.0,0.00%,F,F)



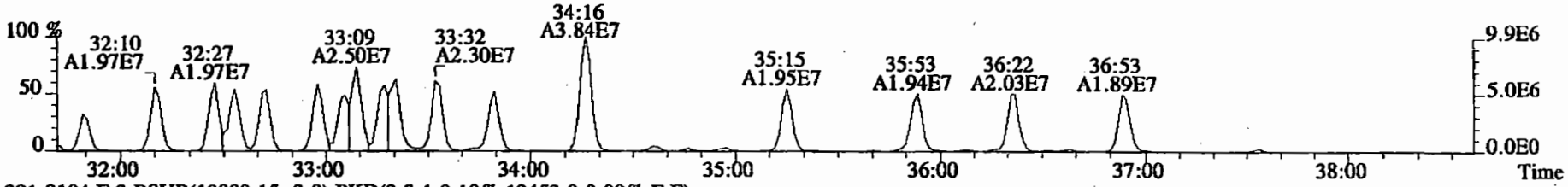
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2992.0,0.00%,F,F)



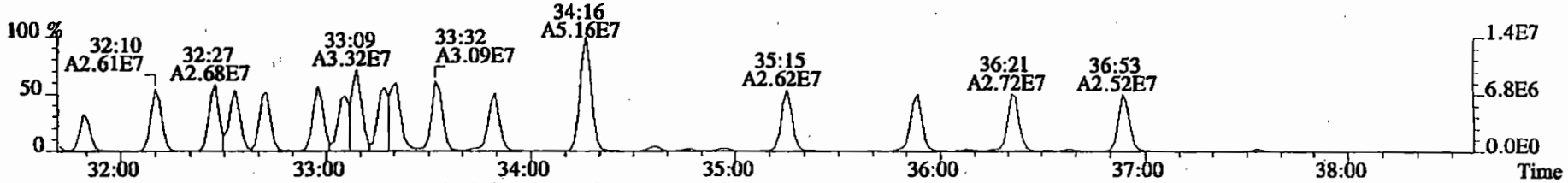
330.9792 F:3



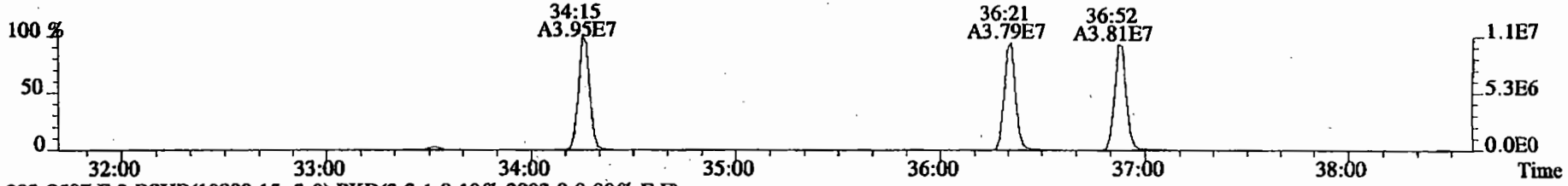
File:031019E1 #1-681 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,10632.0,0.00%,F,F)



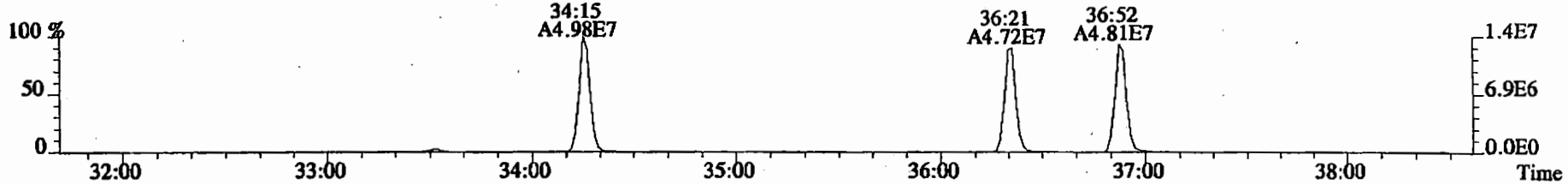
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,12452.0,0.00%,F,F)



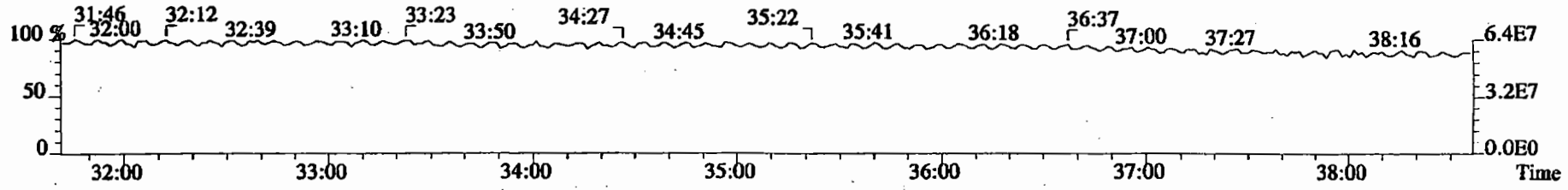
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4052.0,0.00%,F,F)



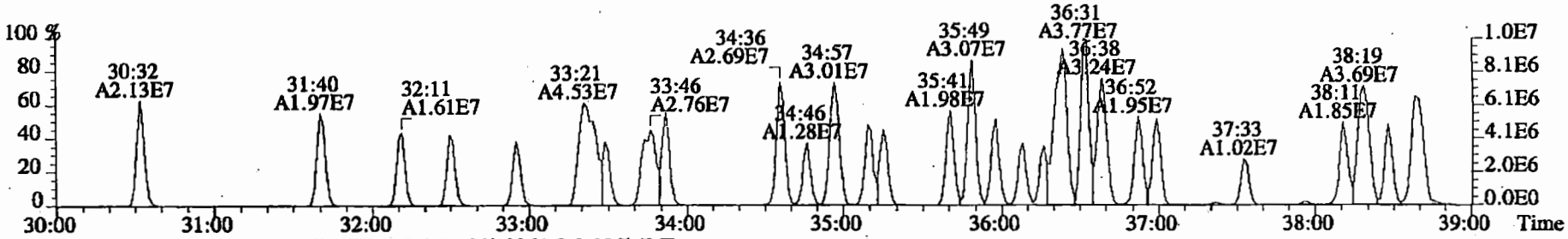
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2992.0,0.00%,F,F)



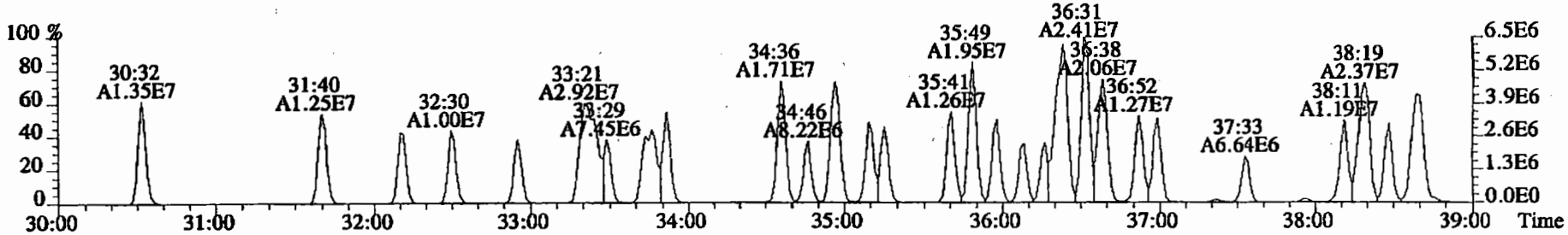
330.9792 F:3



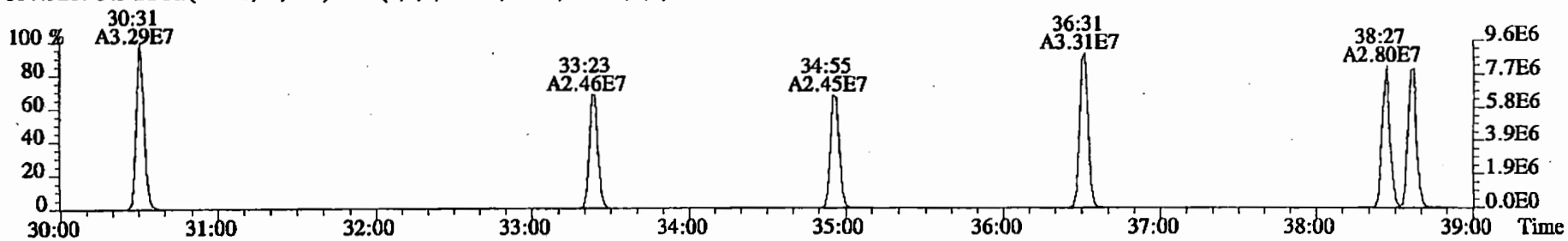
File:031019E1 #1-681 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,656.0,0.00%,F,F)



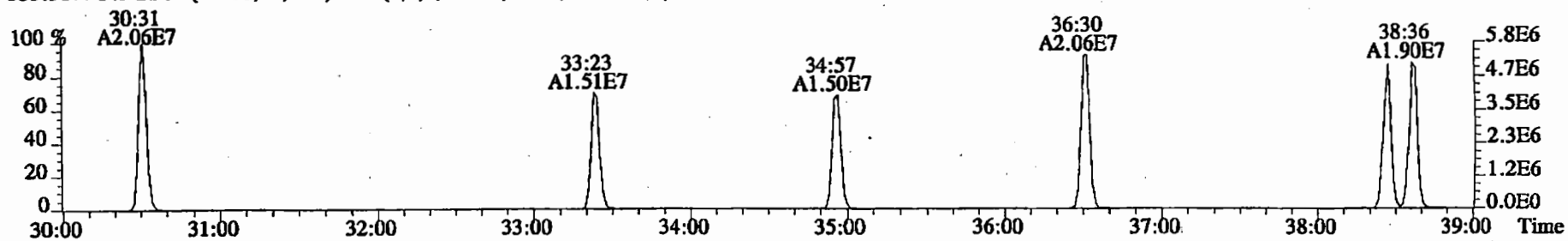
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2364.0,0.00%,F,F)



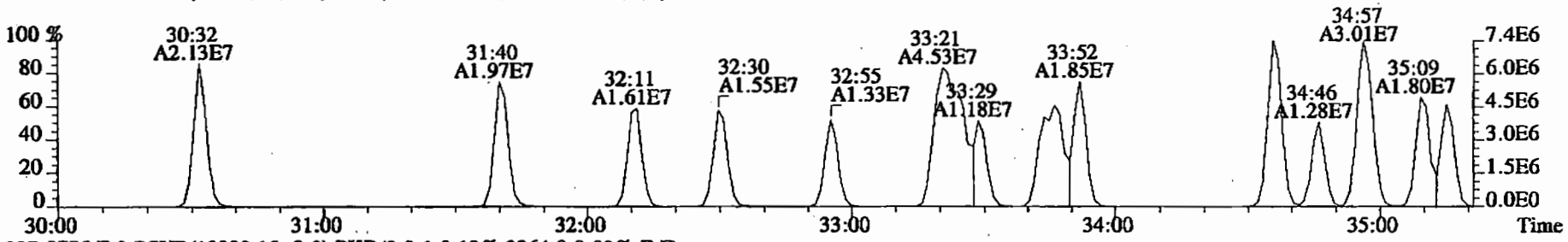
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,484.0,0.00%,F,F)



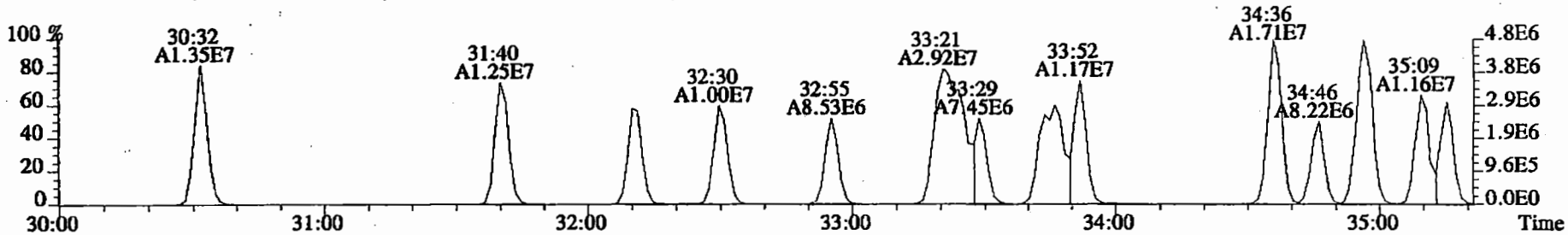
339.9177 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,272.0,0.00%,F,F)



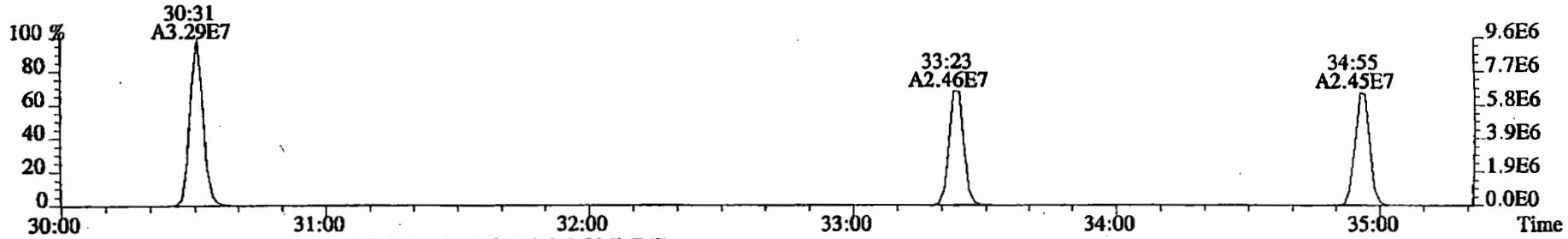
File:031019E1 #1-681 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,656.0,0.00%,F,F)



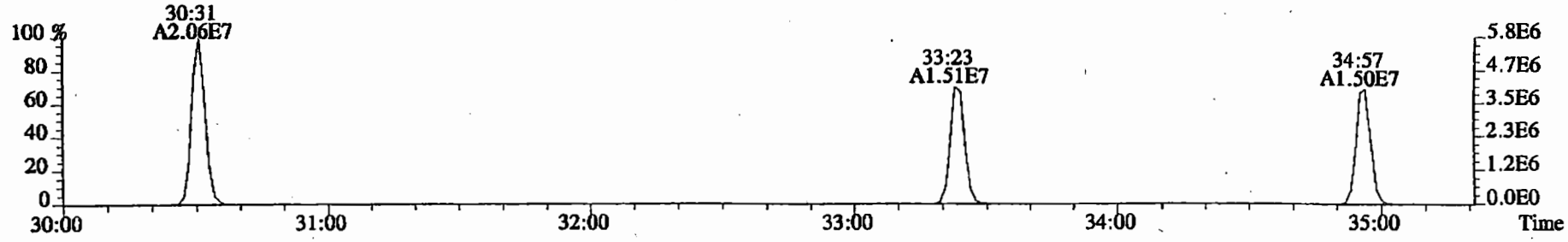
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2364.0,0.00%,F,F)



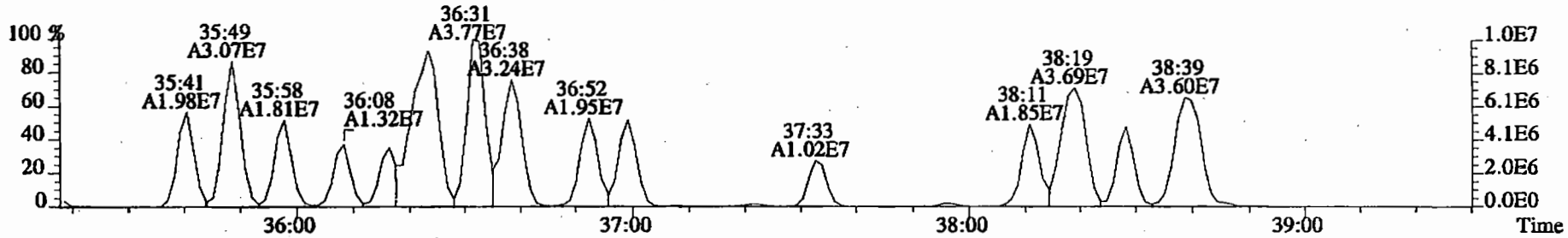
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,484.0,0.00%,F,F)



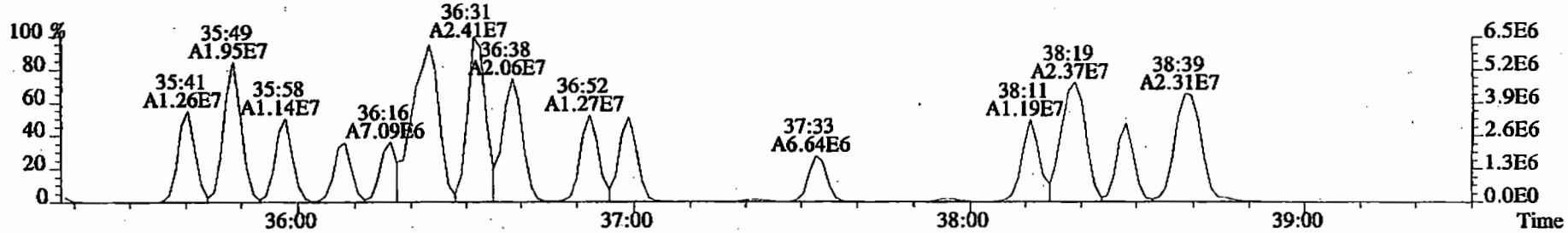
339.9177 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,272.0,0.00%,F,F)



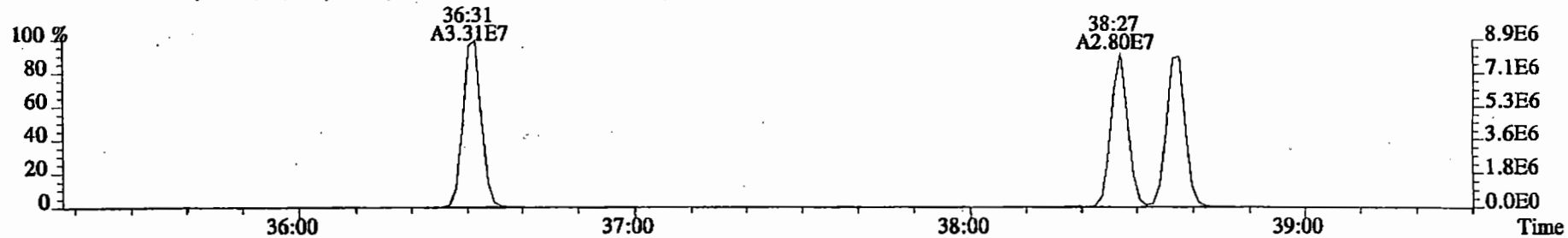
File:031019E1 #1-681 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,656.0,0.00%,F,F)



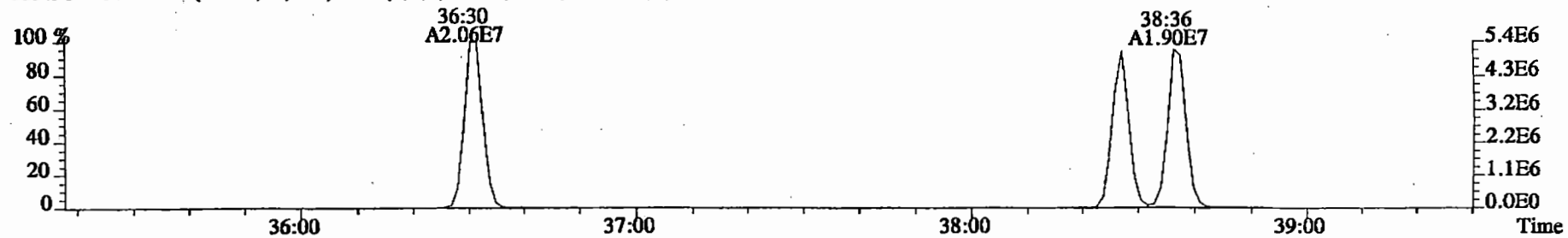
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2364.0,0.00%,F,F)



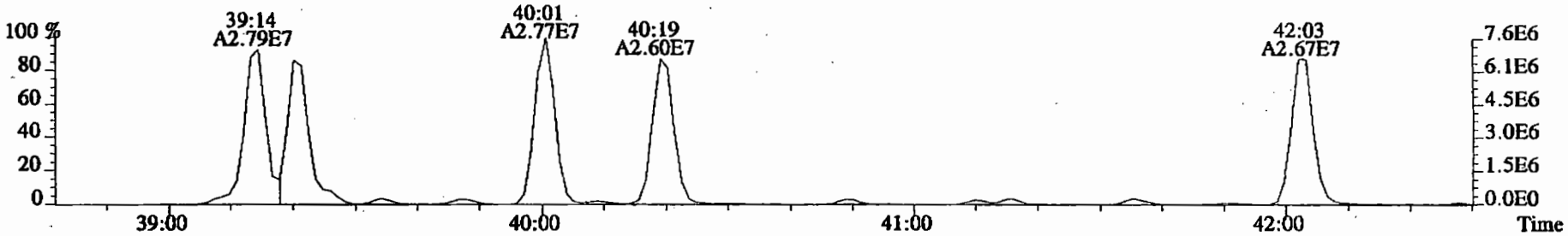
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,484.0,0.00%,F,F)



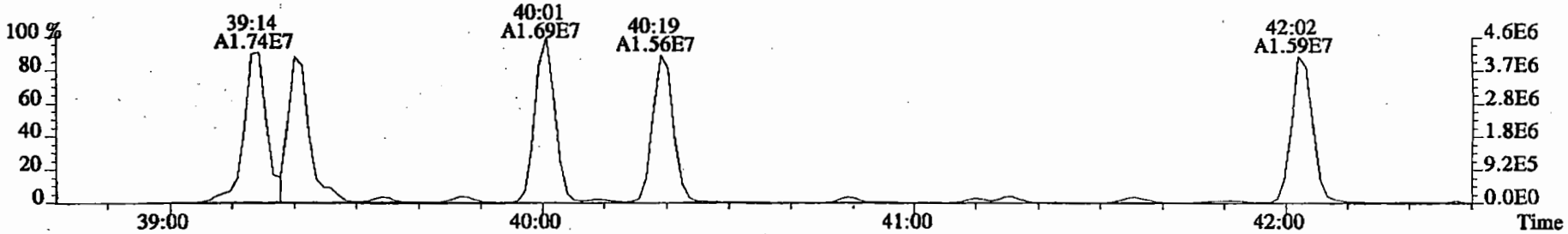
339.9177 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,272.0,0.00%,F,F)



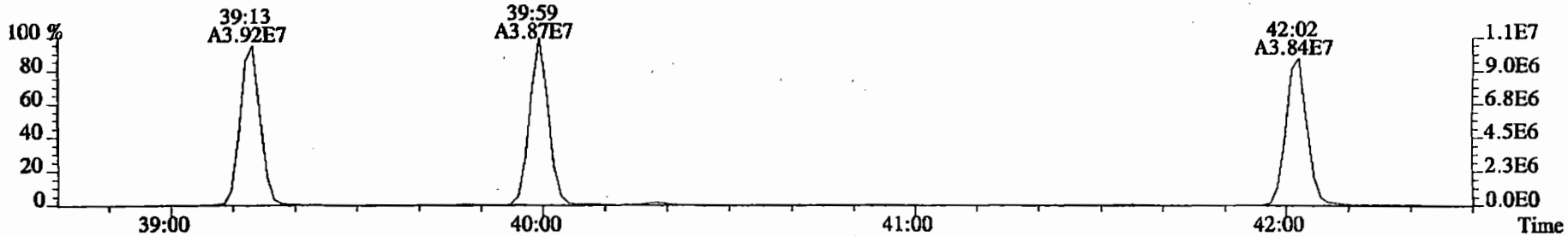
File:031019E1 #1-511 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
325.8804 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,4012.0,0.00%,F,F)



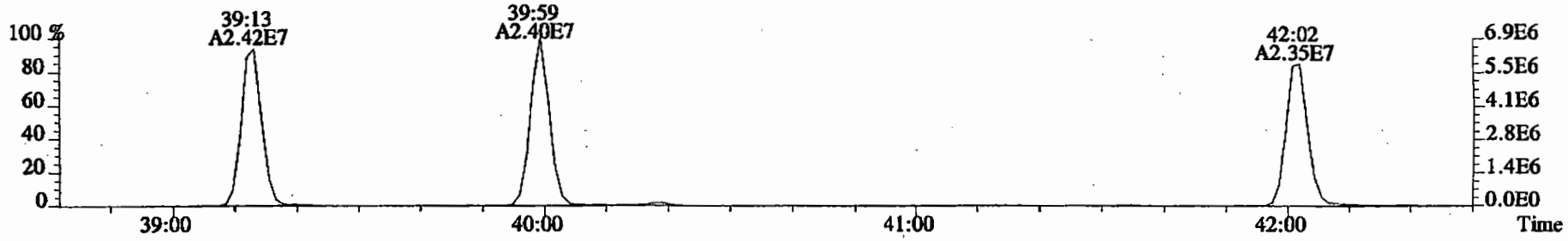
327.8775 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,6536.0,0.00%,F,F)



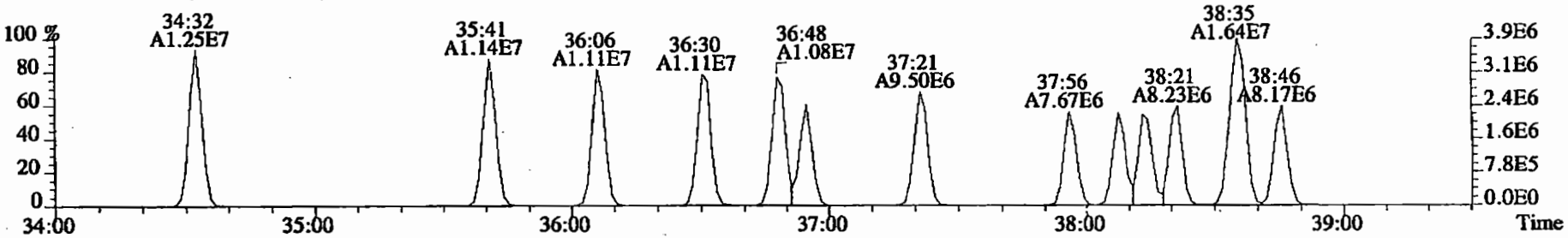
337.9207 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3188.0,0.00%,F,F)



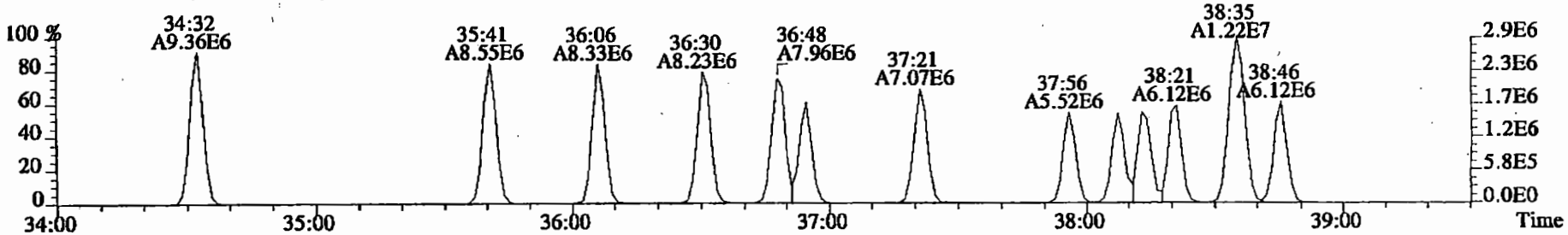
339.9177 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1600.0,0.00%,F,F)



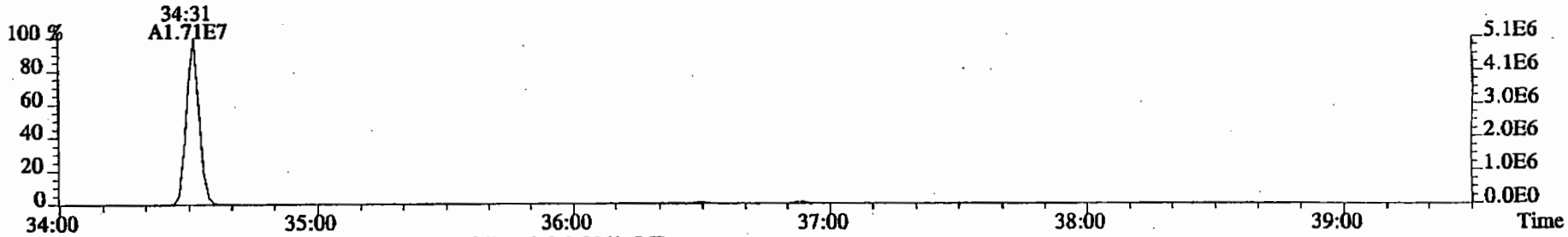
File:031019E1 #1-681 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
359.8415 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,220.0,0.00%,F,F)



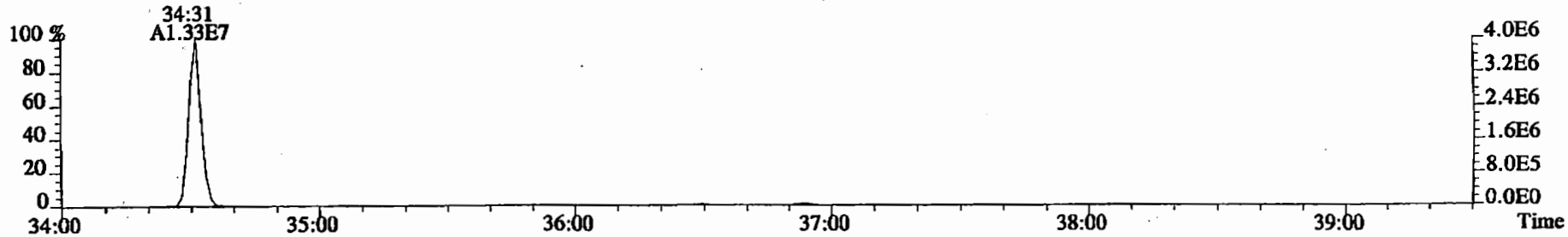
361.8385 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,196.0,0.00%,F,F)



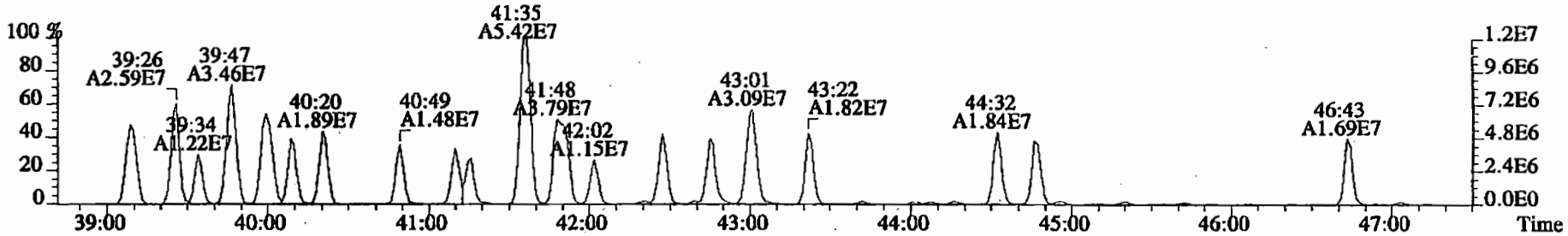
371.8817 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,224.0,0.00%,F,F)



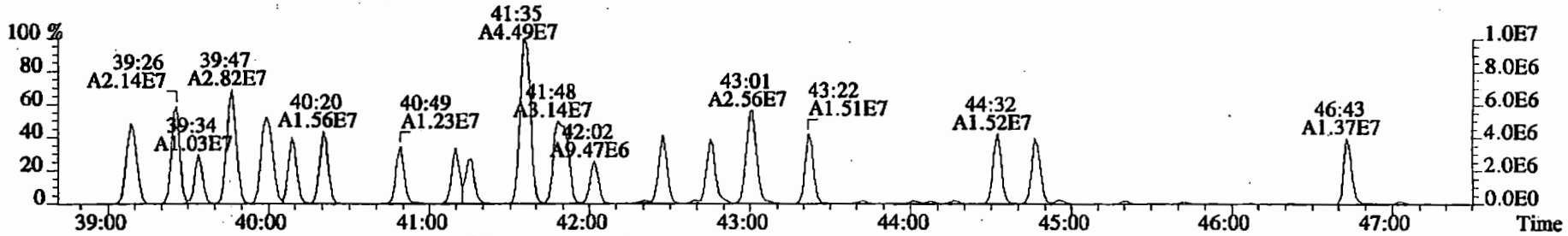
373.8788 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,220.0,0.00%,F,F)



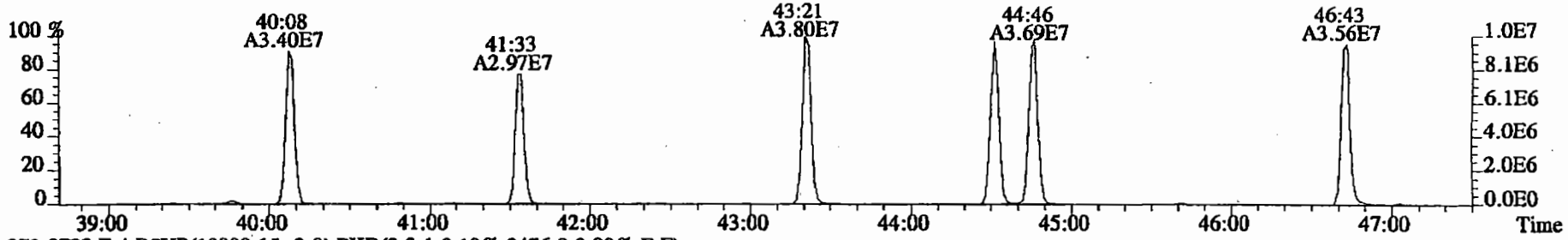
File:031019E1 #1-511 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
359.8415 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,5312.0,0.00%,F,F)



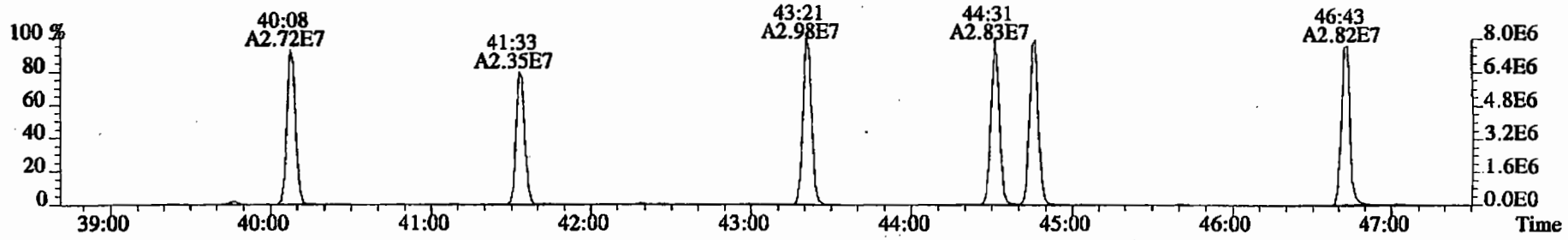
361.8385 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,7512.0,0.00%,F,F)



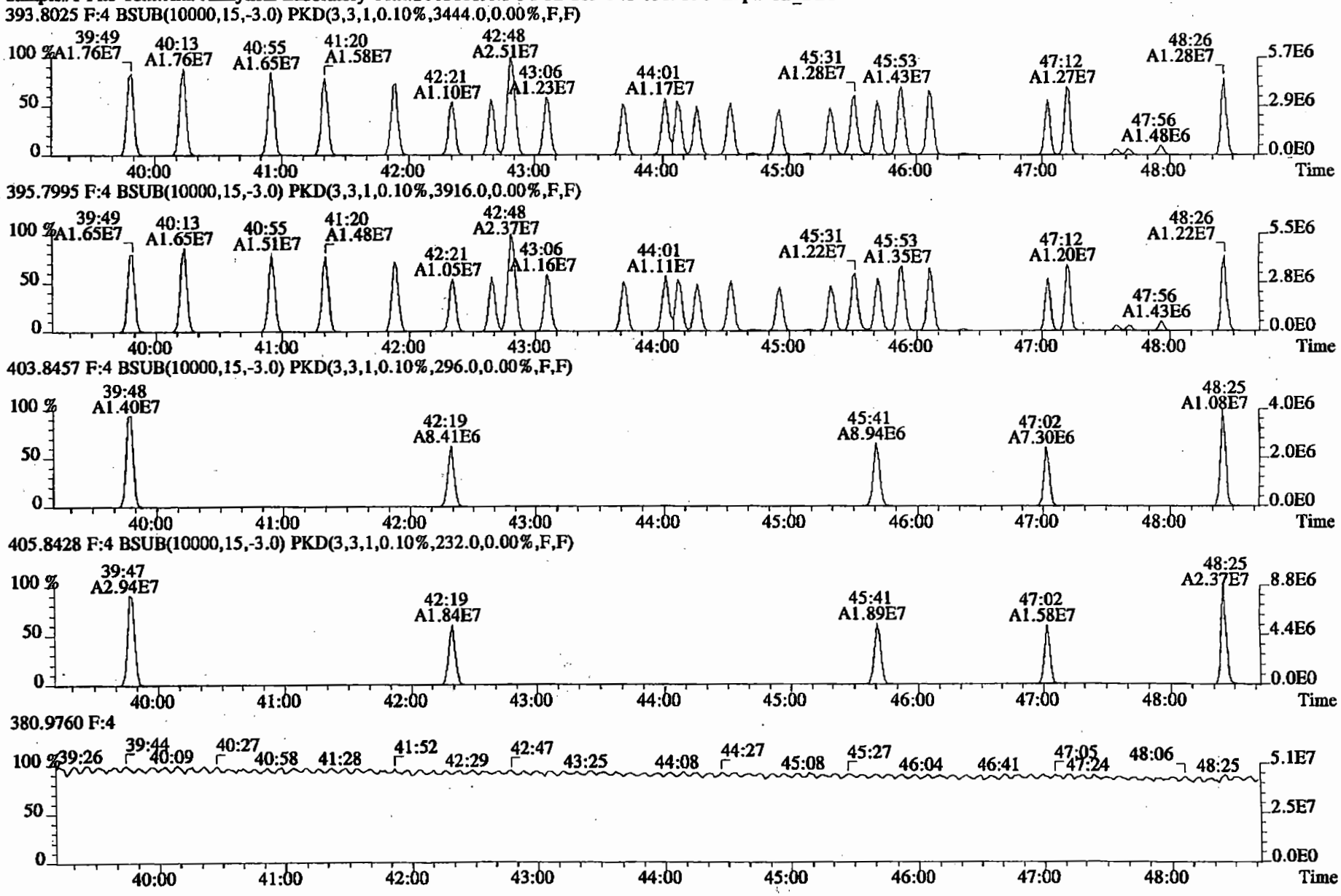
371.8817 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,3256.0,0.00%,F,F)



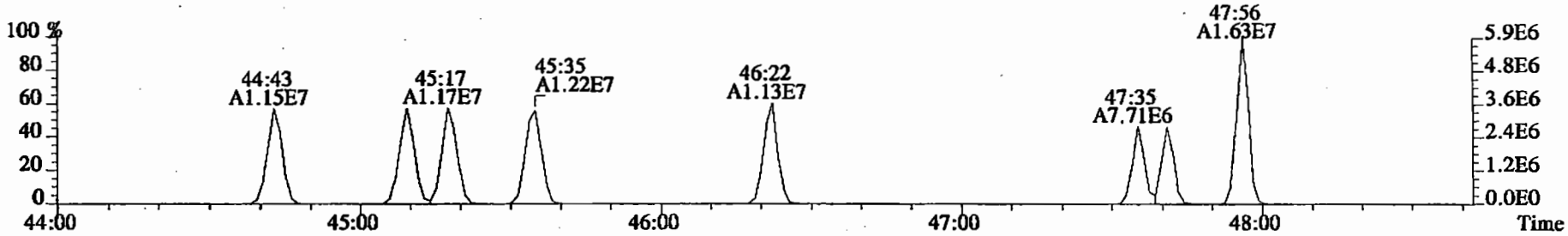
373.8788 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,2476.0,0.00%,F,F)



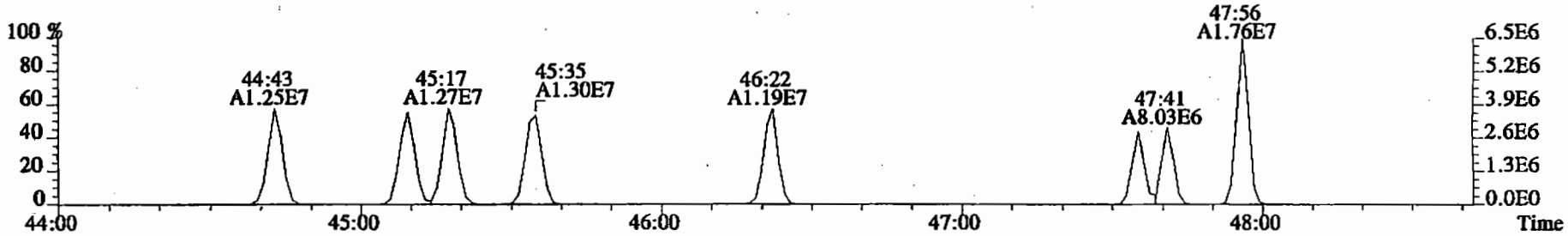
File:031019E1 #1-511 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1



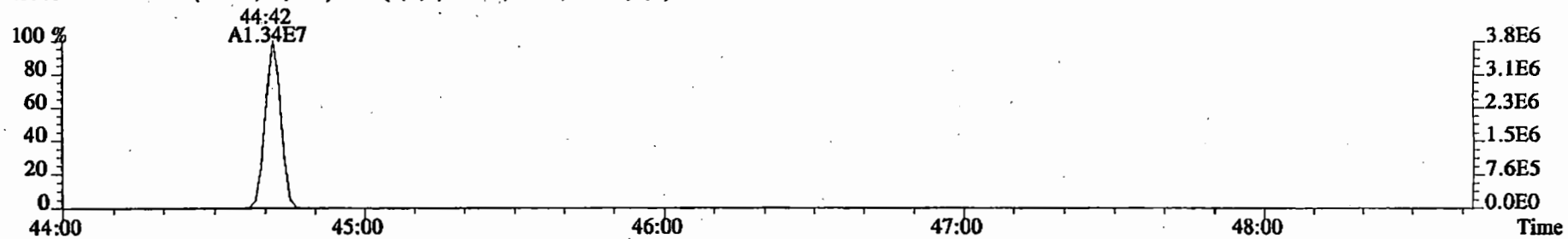
File:031019E1 #1-511 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
427.7635 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,256.0,0.00%,F,F)



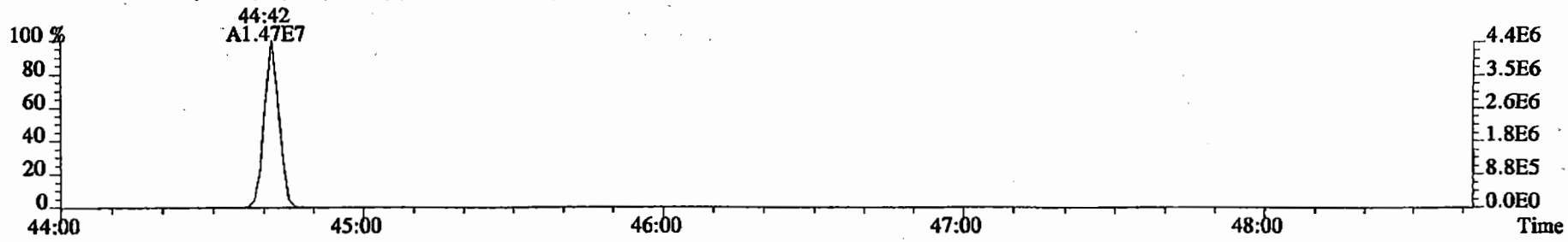
429.7606 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,284.0,0.00%,F,F)



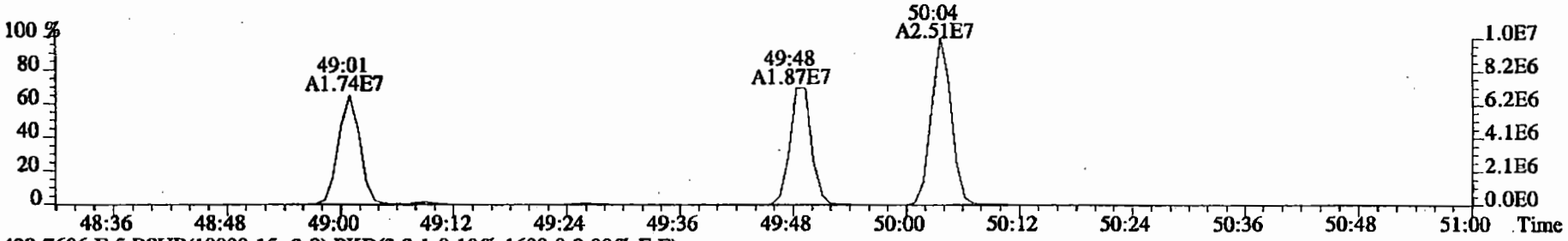
439.8038 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,240.0,0.00%,F,F)



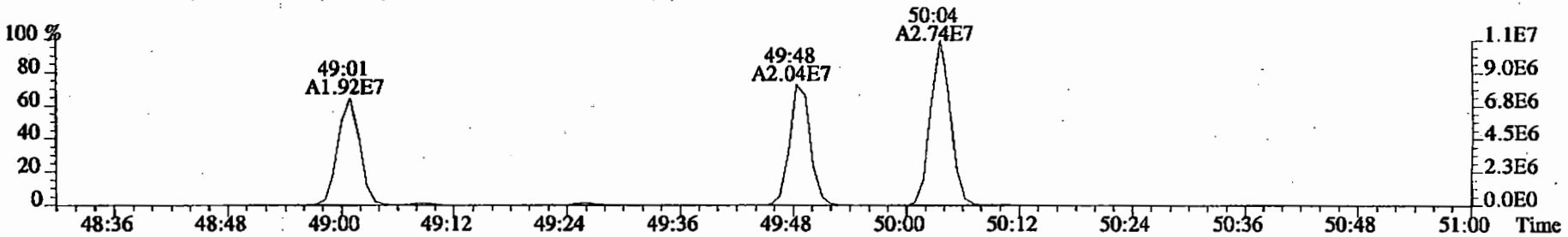
441.8008 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



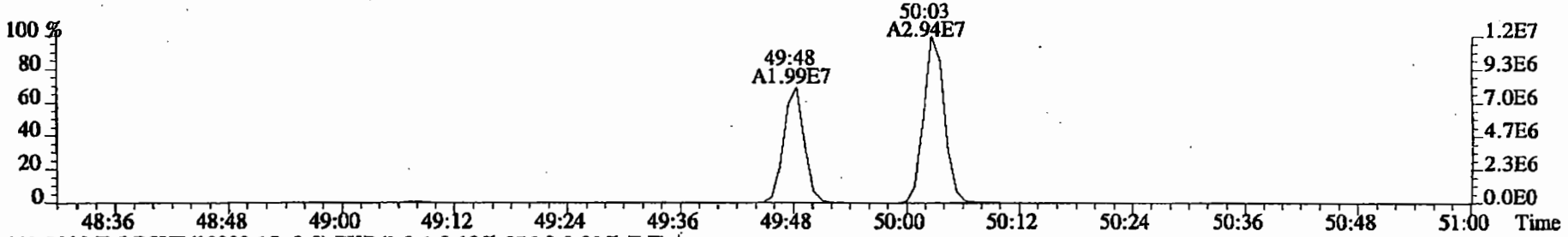
File:031019E1 #1-418 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
427.7635 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1396.0,0.00%,F,F)



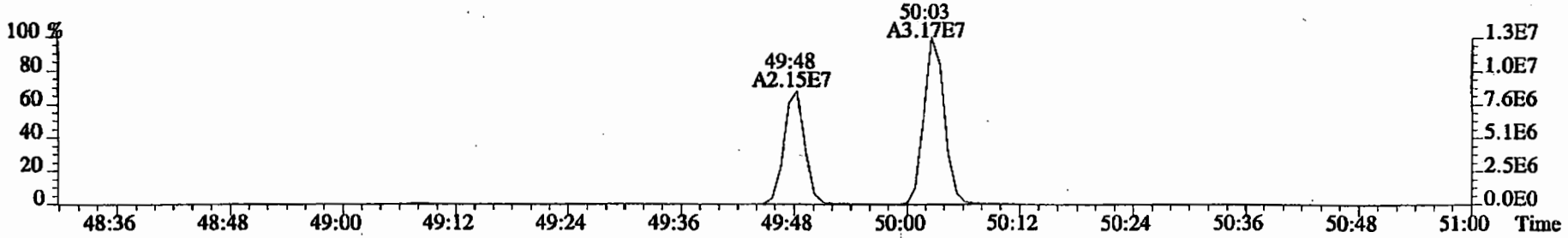
429.7606 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,1600.0,0.00%,F,F)



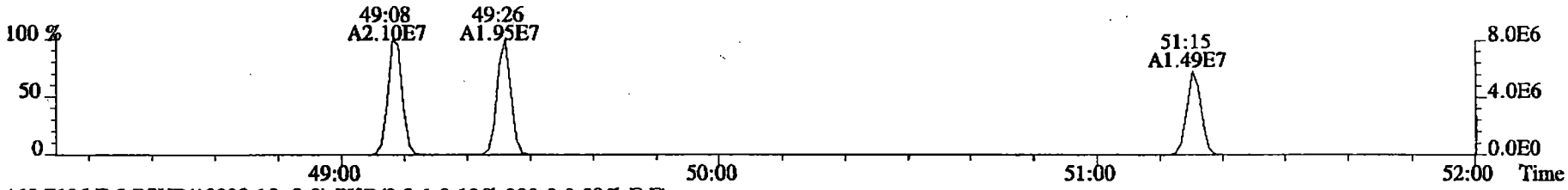
439.8038 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,256.0,0.00%,F,F)



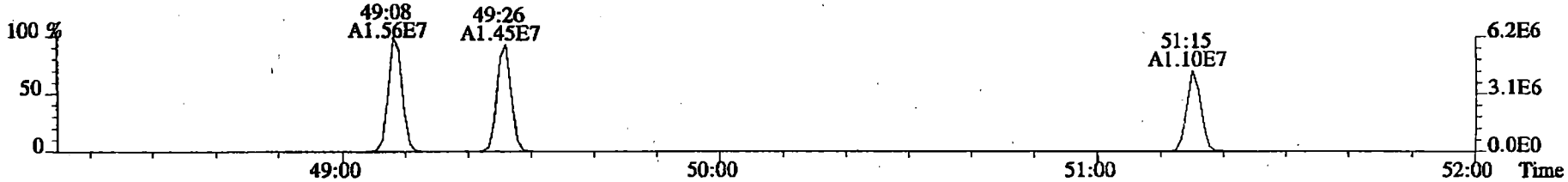
441.8008 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,276.0,0.00%,F,F)



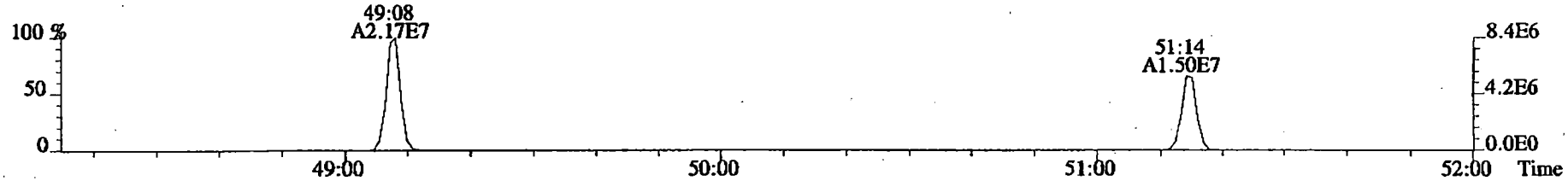
File:031019E1 #1-418 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
463.7216 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,204.0,0.00%,F,F)



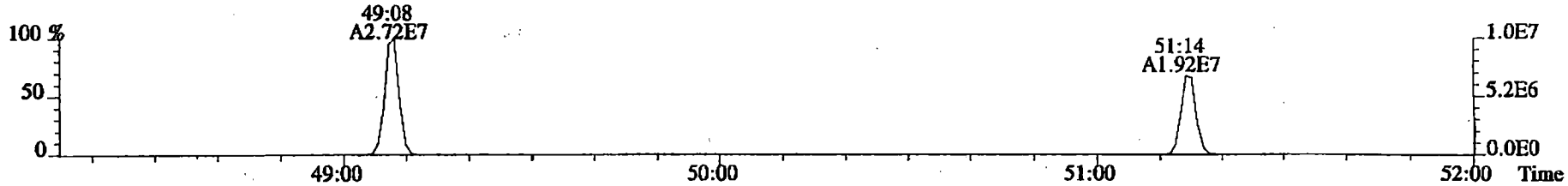
465.7186 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,300.0,0.00%,F,F)



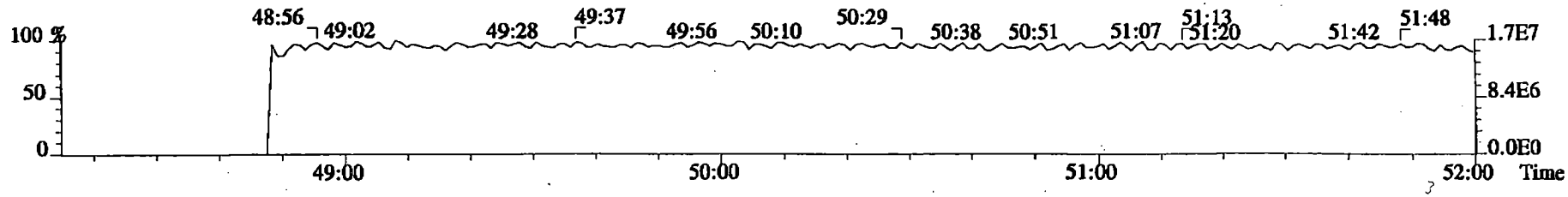
473.7648 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,216.0,0.00%,F,F)



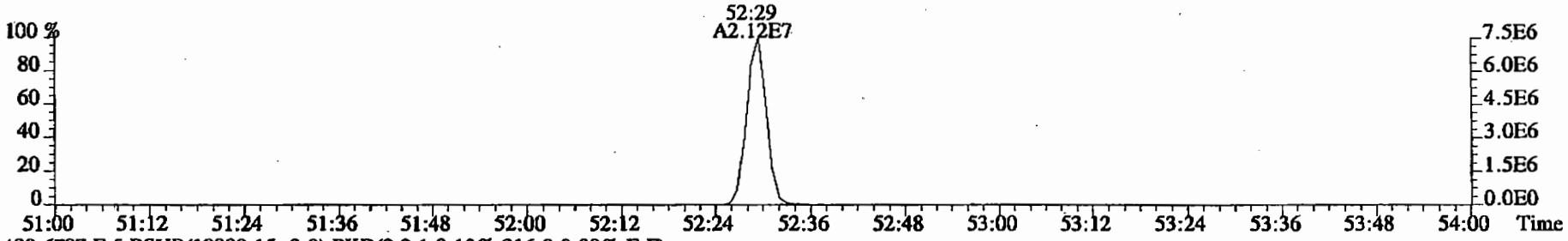
475.7619 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,200.0,0.00%,F,F)



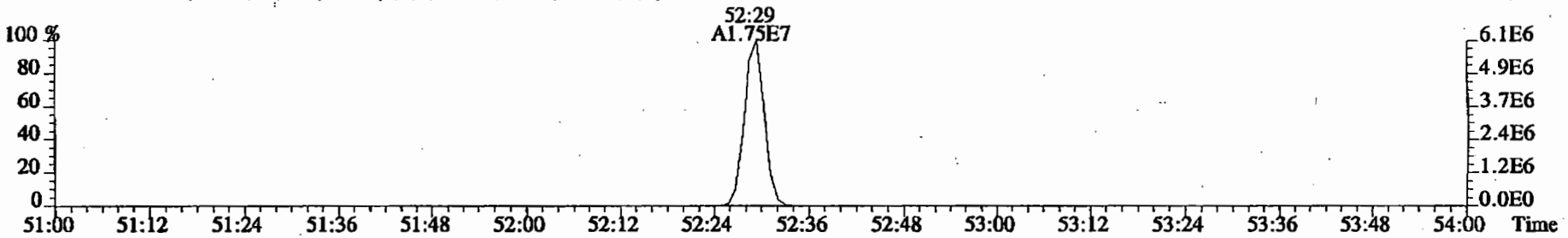
492.9697 F:5



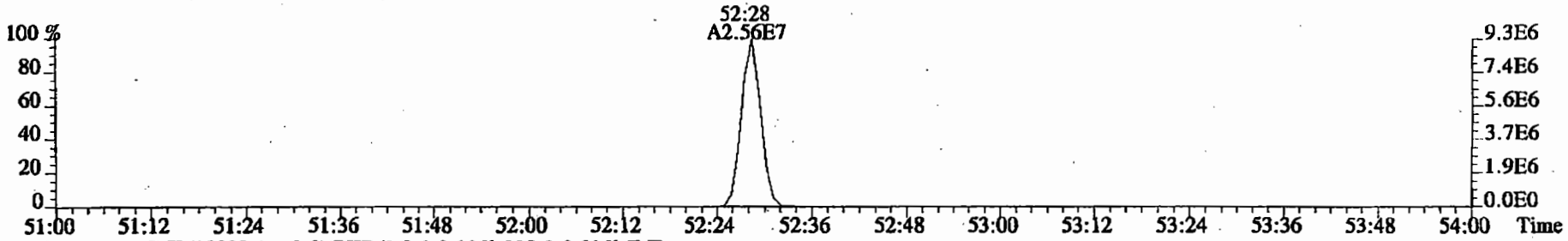
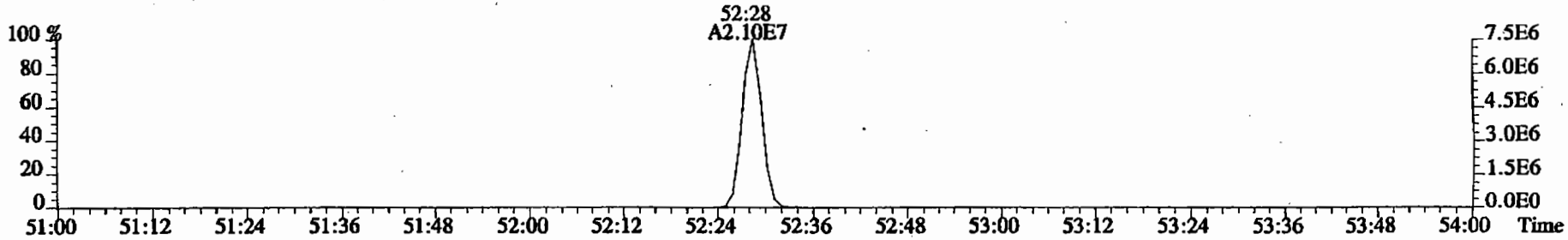
File:031019E1 #1-418 Acq:19-OCT-2003 10:30:39 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Alta Analytical Laboratory Text:ST031019E1-1 PCB 209 CS3 030916G Exp:PCB_DB1
497.6826 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,228.0,0.00%,F,F)



499.6797 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,216.0,0.00%,F,F)



509.7229 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,252.0,0.00%,F,F)



511.7199 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,228.0,0.00%,F,F)