

Results of PCB analyses of flood deposit samples from January (1/9 through 1/12) high flow event in upper Hudson River:

Mechanicville School:	1.12 ppm
Mechanicville Dock:	1.66 ppm
Schuylerville Park (at Rt. 29 bridge):	2.37 ppm

(See graphs for a breakdown of homologue distributions by sample)

Results of GE high flow water column sampling in upper Hudson River:

An estimate of the total PCB mass flux out of the river reach from Baker's Falls to the Rt. 29 bridge in Schuylerville (from 1/9/98 and 1/12/98) is ~145 lbs.

The breakdown is as follows:

Above Roger's Island:	~38 lbs
Roger's Island to Thompson Island Dam:	~43 lbs
Thompson Island Dam to Rt. 29 Bridge:	~64 lbs

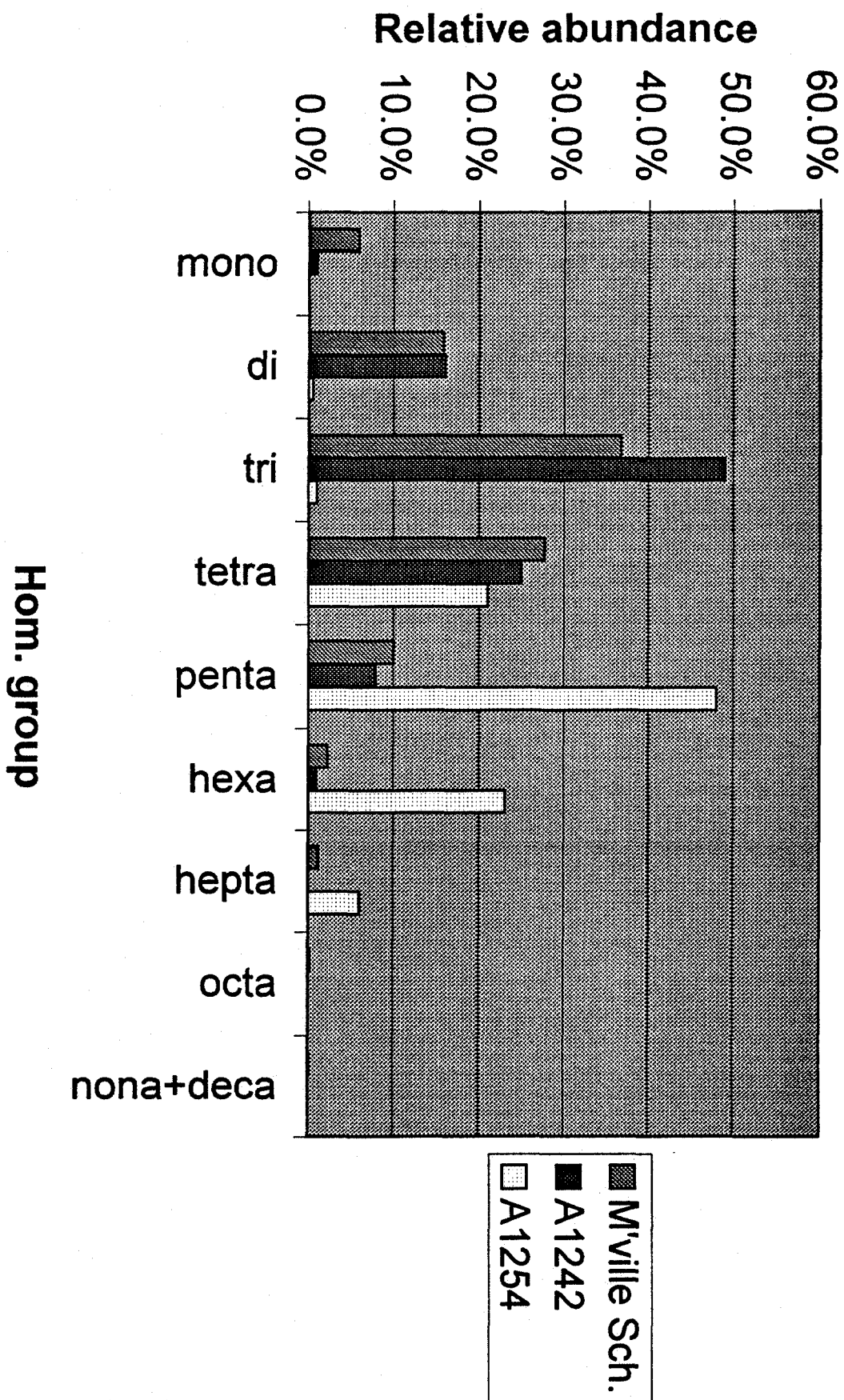
Assumptions for above flux calculations:

- an average of the reported water column PCB calculations was used for days with multiple sample results;

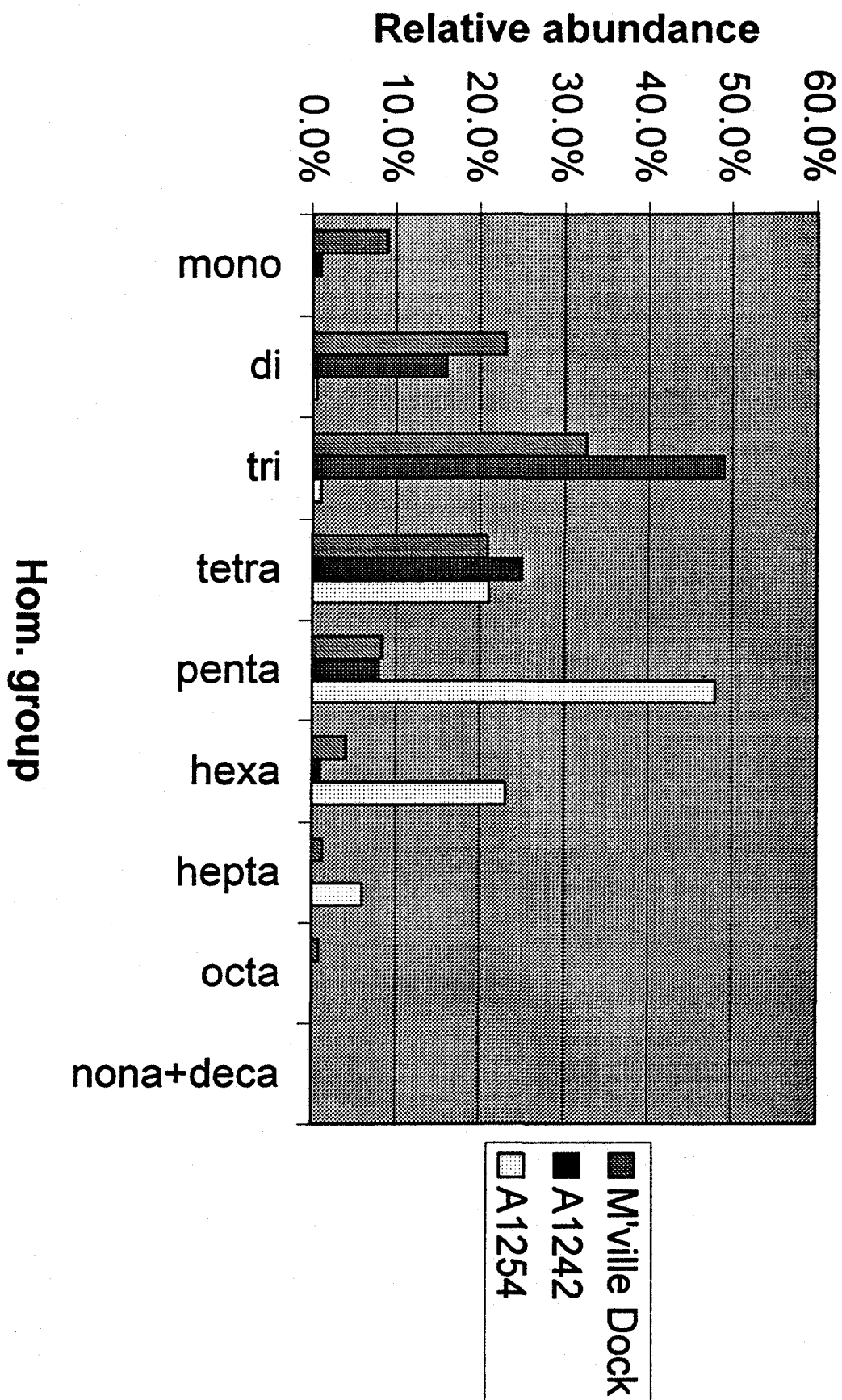
- an average of the reported preliminary USGS gauge results for the day were used;

- the reported preliminary Fort Edward USGS flow volumes were used for river flow at all three locations.

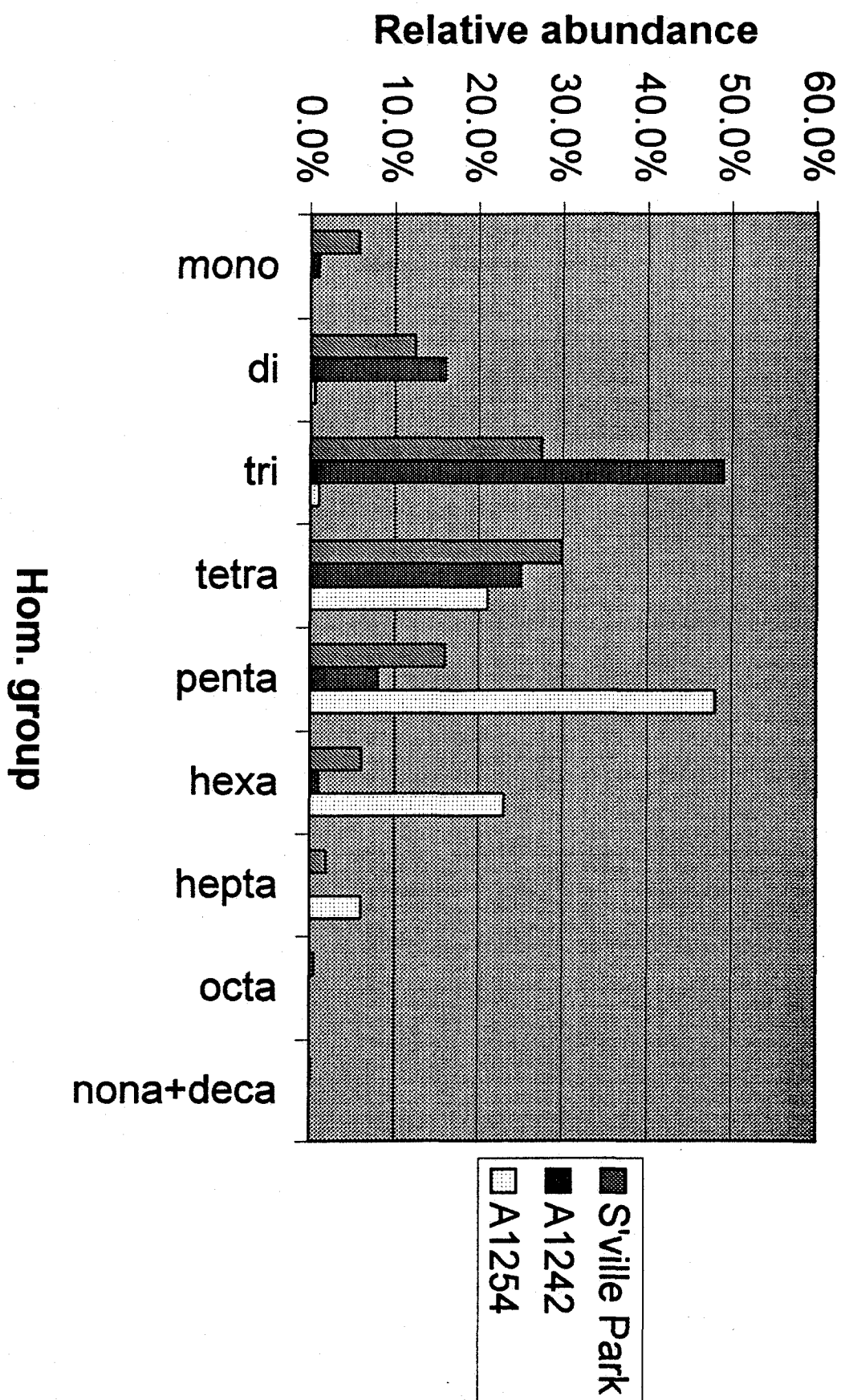
Comparison of sample to A1242 and A1254



Comparison of sample to A1242 and A1254



comparison of sample to A1242 and A1254



Bz#	Hom. Grp.	M'ville Sch. conc. in ng/g	S'ville Park conc. in ng/g	M'ville Dock conc. in ng/g	Bz#	Hom. Grp.
1	m	44	97	100	1	m
2	m	<5	15	10	2	m
3	m	22	22	39	3	m
4, 10	d	40	124	156	4, 10	d
7, 9	d	5.9	9.5	14	7, 9	d
6	d	29	22	40	6	d
5,8	d	58	75	110	5,8	d
14	d	<1	<1	<1.0	14	d
19	t	24	72	65	19	t
12	d	12	23	19	12	d
18	t	32	38	34	18	t
15, 17	d/t	65	81	85	15, 17	d/t
24, 27	t	25	65	51	24, 27	t
16, 32	t	40	57	52	16, 32	t
29	t	1.3	2.6	1.9	29	t
26	t	33	50	46	26	t
25	t	17	22	21	25	t
31	t	74	100	92	31	t
28	t	65	92	63	28	t
20, 33, 53	t/t/tt	35	50	35	20, 33, 53	t/t/tt
51	tt	6	16	8.3	51	tt
22	t	24	33	23	22	t
45	tt	9	21	11	45	tt
46	tt	4	7.3	3.6	46	tt
39	t	<1	1.7	2.2	39	t
52	tt	32	73	39	52	tt
49	tt	31	71	37	49	tt
47	tt	29	60	33	47	tt
48	tt	C-E	C-E	C-E	48	tt
65	tt	1.2	3	6.4	65	tt
44	tt	25	55	20	44	tt
42, 59	tt	C-E	C-E	C-E	42, 59	tt
37	t	22	43	24	37	t
41, 64	tt	29	64	40	41, 64	tt
40	tt	7.7	16	7.1	40	tt
67	tt	3.8	11	9.2	67	tt
63	tt	3.6	9.5	5	63	tt
74	tt	24	56	25	74	tt
70	tt	31	63	27	70	tt
66, 95	tt/p	42	110	45	66, 95	tt/p
91	p	4.4	22	6.7	91	p
56, 60	tt	30	72	25	56, 60	tt
92	p	4.3	15	6.9	92	p
84	p	5.3	15	6.2	84	p
90, 101	p	10	33	12	90, 101	p
99	p	7.4	24	9.3	99	p
119	p	1	4.6	1.2	119	p

83	p	1.6	6.3	2.5
97	p	5.7	19	6.2
87, 115	p	8.2	29	8.7
85, DDE	p/dde	5.8	18	6.2
136	h	1.1	11	2.3
77, 110	tt/p	25	76	34
82	p	3.2	11	3
151	h	1.7	8.5	3.7
135	h	1.2	8	3.1
I-109	p	1.9	6.8	3.7
123, 149	p/h	4.7	22	8.1
118	p	12	42	16
134	h	1	3.4	1.6
122	p	<1	2.1	<1.0
146	h	1	5.4	2.6
153	h	3.9	19	7.4
132	h	C-E	C-E	C-E
105	p	8.9	35	11
141	h	1	8.8	1.9
179	hp	1	C-E	1.6
137	h	<1	2.4	13
130, 176	h/hp	3.8	6.6	<1.0
138	h	6.8	37	13
158	h	1	3.6	1.3
129	h	C-E	3.2	4.2
178	hp	1.4	3.3	1.8
166, 175	h/hp	<1	1	<1.0
187	hp	1.3	6.5	3.6
183	hp	1	2.2	1
128	h	1.4	9	2.8
167	h	<1	1.6	1
185	hp	<1	<1.0	1
174	hp	1	4.7	2.4
177	hp	1	3.5	2
171, 202	hp/o	<1	C-E	<1.0
156	h	1	5.8	3.3
173	hp	<1	<1.0	<1.0
157, I-201	h/o	1.3	4.5	5.5
172	hp	<1	1	<1.0
197	o	<1	<1.0	1
180	hp	1.7	9.2	5.1
193	hp	<1	1	<1.0
191	hp	<1	<1.0	<1.0
I-200	o	<1	<1.0	1
170	hp	1.4	7.3	2.5
190	hp	C-E	C-E	C-E
I-199	o	1	3	2.6
203, 196	o	1.2	3.6	2.2
189	hp	<1	<1.0	<1.0

83	p
97	p
87, 115	p
85, DDE	p/dde
136	h
77, 110	tt/p
82	p
151	h
135	h
I-109	p
123, 149	p/h
118	p
134	h
122	p
146	h
153	h
132	h
105	p
141	h
179	hp
137	h
130, 176	h/hp
138	h
158	h
129	h
178	hp
166, 175	h/hp
187	hp
183	hp
128	h
167	h
185	hp
174	hp
177	hp
171, 202	hp/o
156	h
173	hp
157, I-201	h/o
172	hp
197	o
180	hp
193	hp
191	hp
I-200	o
170	hp
190	hp
I-199	o
203, 196	o
189	hp

195	o	<1	1.4	2.2
194	o	<1	1.8	1.8
206	n	1.1	2	1.2
209	deca	<1.0	1	<1.0

195	o
194	o
206	n
209	deca

M'ville Sch. conc. in ng/g	S'ville Park conc. in ng/g	M'ville Dock conc. in ng/g
44	97	100
0	15	10
22	22	39
40	124	156
5.9	9.5	14
29	22	40
58	75	110
0	0	0
24	72	65
12	23	19
32	38	34
65	81	85
25	65	51
40	57	52
1.3	2.6	1.9
33	50	46
17	22	21
74	100	92
65	92	63
35	50	35
6	16	8.3
24	33	23
9	21	11
4	7.3	3.6
0	1.7	2.2
32	73	39
31	71	37
29	60	33
0	0	0
1.2	3	6.4
25	55	20
0	0	0
22	43	24
29	64	40
7.7	16	7.1
3.8	11	9.2
3.6	9.5	5
24	56	25
31	63	27
42	110	45
4.4	22	6.7
30	72	25
4.3	15	6.9
5.3	15	6.2
10	33	12
7.4	24	9.3
1	4.6	1.2

1.6	6.3	2.5
5.7	19	6.2
8.2	29	8.7
5.8	18	6.2
1.1	11	2.3
25	76	34
3.2	11	3
1.7	8.5	3.7
1.2	8	3.1
1.9	6.8	3.7
4.7	22	8.1
12	42	16
1	3.4	1.6
0	2.1	0
1	5.4	2.6
3.9	19	7.4
0	0	0
8.9	35	11
1	8.8	1.9
1	0	1.6
0	2.4	13
3.8	6.6	0
6.8	37	13
1	3.6	1.3
0	3.2	4.2
1.4	3.3	1.8
0	1	0
1.3	6.5	3.6
1	2.2	1
1.4	9	2.8
0	1.6	1
0	0	1
1	4.7	2.4
1	3.5	2
0	0	0
1	5.8	3.3
0	0	0
1.3	4.5	5.5
0	1	0
0	0	1
1.7	9.2	5.1
0	1	0
0	0	0
0	0	1
1.4	7.3	2.5
0	0	0
1	3	2.6
1.2	3.6	2.2
0	0	0

0	1.4	2.2
0	1.8	1.8
1.1	2	1.2
0	1	0

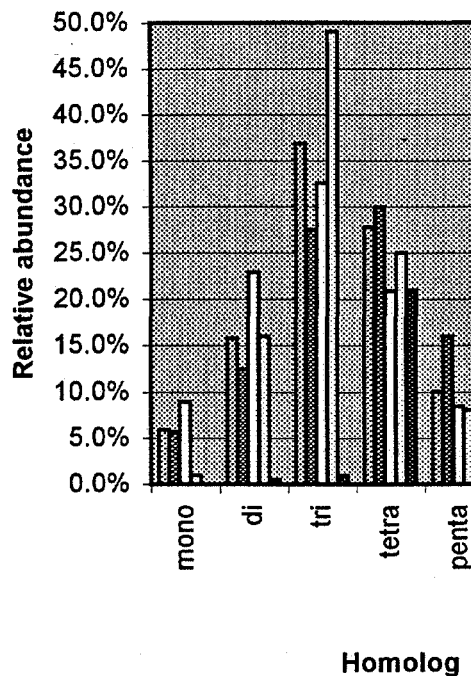
Bz#	Hom. Grp.	M'ville Sch. conc. in ng/g	S'ville Park conc. in ng/g	M'ville Dock conc. in ng/g	Hom. Grp. mono di tri tetra penta hexa hepta octa nona+deca
1	a	44	97	100	
2	a	0	15	10	
3	a	22	22	39	
Tot. mono	a	66	134	149	
4, 10	b	40	124	156	
7, 9	b	5.9	9.5	14	
6	b	29	22	40	
5,8	b	58	75	110	
14	b	0	0	0	
12	b	12	23	19	
15, 17	b	32.5	40.5	42.5	
Tot. di	b	177.4	294	381.5	
19	c	24	72	65	
18	c	32	38	34	
15, 17	c	32.5	40.5	42.5	
24, 27	c	25	65	51	
16, 32	c	40	57	52	
29	c	1.3	2.6	1.9	
26	c	33	50	46	
25	c	17	22	21	
31	c	74	100	92	
28	c	65	92	63	
20, 33, 53	c	11.66	16.66	11.66	
20, 33, 53	c	11.66	16.66	11.66	
22	c	24	33	23	
39	c	0	1.7	2.2	
37	c	22	43	24	
Tot. tri	c	413.12	650.12	540.92	
20, 33, 53	d	11.66	16.66	11.66	
51	d	6	16	8.3	
45	d	9	21	11	
46	d	4	7.3	3.6	
52	d	32	73	39	
49	d	31	71	37	
47	d	29	60	33	
48	d	0	0	0	
65	d	1.2	3	6.4	
44	d	25	55	20	
42, 59	d	0	0	0	
41, 64	d	29	64	40	
40	d	7.7	16	7.1	
67	d	3.8	11	9.2	
63	d	3.6	9.5	5	

74	d	24	56	25	
70	d	31	63	27	Hom. Grp.
66, 95	d	21	55	22.5	mono
56, 60	d	30	72	25	di
77, 110	d	12.5	38	17	tri
Tot. tetra	d	311.46	707.46	347.76	tetra
					penta
66, 95	e	21	55	22.5	hexa
91	e	4.4	22	6.7	hepta
92	e	4.3	15	6.9	octa
84	e	5.3	15	6.2	nona+deca
90, 101	e	10	33	12	
99	e	7.4	24	9.3	Hom. Grp.
119	e	1	4.6	1.2	mono
83	e	1.6	6.3	2.5	di
97	e	5.7	19	6.2	tri
87, 115	e	8.2	29	8.7	tetra
85	e	2.9	9	3.1	penta
77, 110	e	12.5	38	17	hexa
82	e	3.2	11	3	hepta
I-109	e	1.9	6.8	3.7	octa
123, 149	e	2.3	11	4	nona+deca
118	e	12	42	16	
122	e	0	2.1	0	
105	e	8.9	35	11	Hom. Grp.
Tot. penta	e	112.6	377.8	140	mono
					di
136	f	1.1	11	2.3	tri
151	f	1.7	8.5	3.7	tetra
135	f	1.2	8	3.1	penta
123, 149	f	2.3	11	4	hexa
134	f	1	3.4	1.6	hepta
146	f	1	5.4	2.6	octa
153	f	3.9	19	7.4	nona+deca
132	f	0	0	0	
141	f	1	8.8	1.9	Hom. Grp.
137	f	0	2.4	13	mono
130, 176	f	1.9	3.3	0	di
138	f	6.8	37	13	tri
158	f	1	3.6	1.3	tetra
129	f	0	3.2	4.2	penta
166, 175	f	0	0.5	0	hexa
128	f	1.4	9	2.8	hepta
167	f	0	1.6	1	octa
171, 202	f	0	0	0	nona+deca
156	f	1	5.8	3.3	
157, I-201	f	0.6	2.2	2.7	
Tot. hexa	f	25.9	143.7	67.9	
179	g	1	0	1.6	
130, 176	g	1.9	3.3	0	

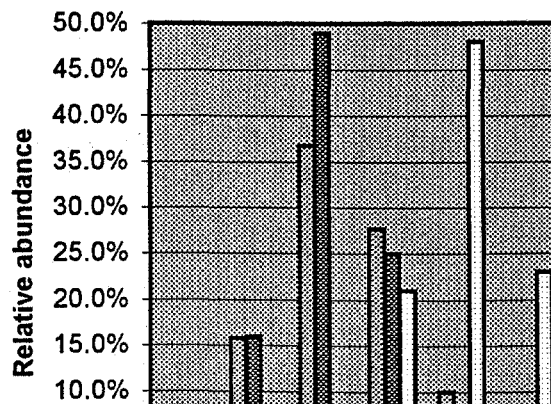
% by hom.grp

M'ville Sch.	S'ville Park	M'ville Dock	A1242	A1254
5.9%	5.7%	9.0%	1%	0%
15.8%	12.4%	22.9%	16%	0.50%
36.8%	27.5%	32.5%	49%	1%
27.8%	29.9%	20.9%	25%	21%
10.0%	16.0%	8.4%	8%	48%
2.3%	6.1%	4.1%	1%	23%
1.0%	1.8%	1.3%	0%	6%
0.2%	0.5%	0.8%	0%	0%
0.1%	0.1%	0.1%	0%	0%

Comparison of sample



Comparison of sample with

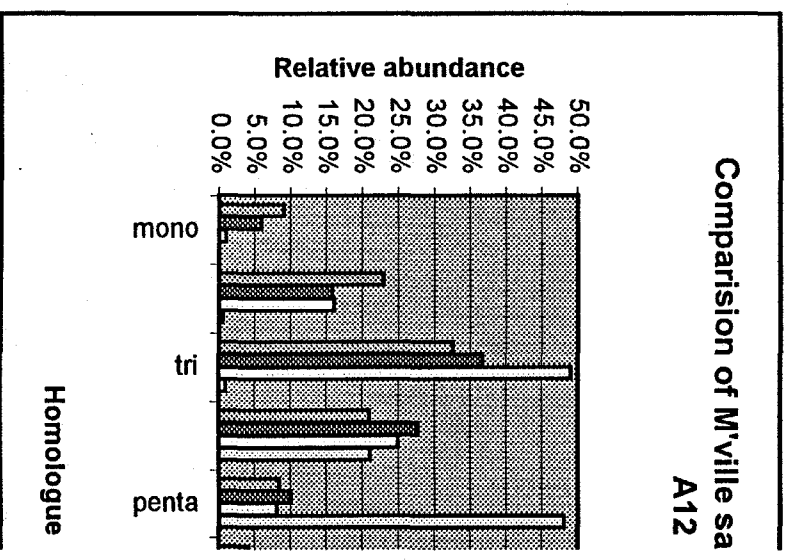
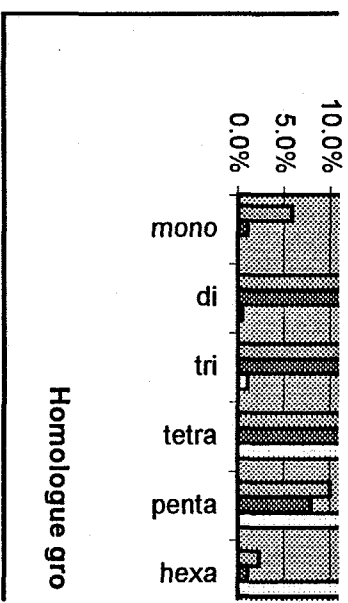


M'ville Sch.	A1242	A1254
5.9%	1.0%	0%
15.8%	16.0%	1%
36.8%	49.0%	1%
27.7%	25.0%	21%
10.0%	8.0%	48%
2.3%	1.0%	23%
1.0%	0.0%	6%
0.2%	0.0%	0%
0.1%	0.0%	0%

S'ville Park	A1242	A1254
5.7%	1.0%	0%
12.4%	16.0%	1%
27.5%	49.0%	1%
29.9%	25.0%	21%
16.0%	8.0%	48%
6.1%	1.0%	23%
1.8%	0.0%	6%
0.5%	0.0%	0%
0.1%	0.0%	0%

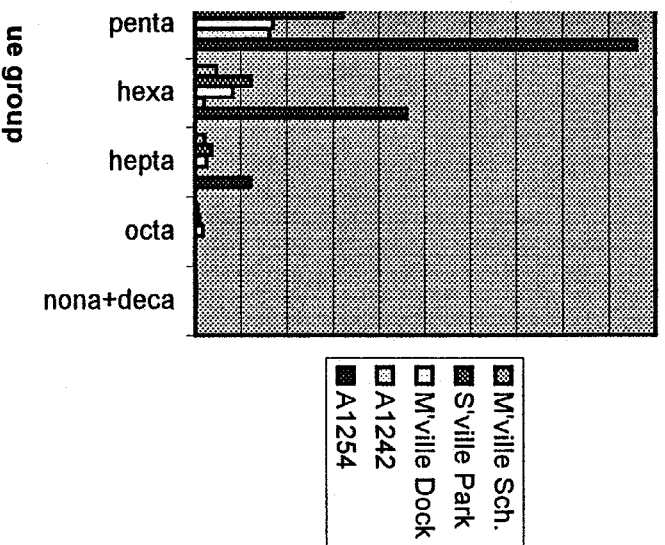
M'ville Dock	A1242	A1254
9.0%	1.0%	0%
22.9%	16.0%	1%
32.5%	49.0%	1%
20.9%	25.0%	21%
8.4%	8.0%	48%
4.1%	1.0%	23%
1.3%	0.0%	6%
0.8%	0.0%	0%
0.1%	0.0%	0%

M'ville Dock	M'ville Sch.	A1242	A1254
9.0%	5.9%	1.0%	0%
22.9%	15.8%	16.0%	1%
32.5%	36.8%	49.0%	1%
20.9%	27.7%	25.0%	21%
8.4%	10.0%	8.0%	48%
4.1%	2.3%	1.0%	23%
1.3%	1.0%	0.0%	6%
0.8%	0.2%	0.0%	0%
0.1%	0.1%	0.0%	0%

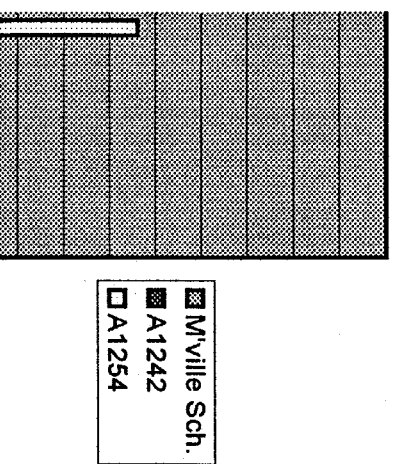


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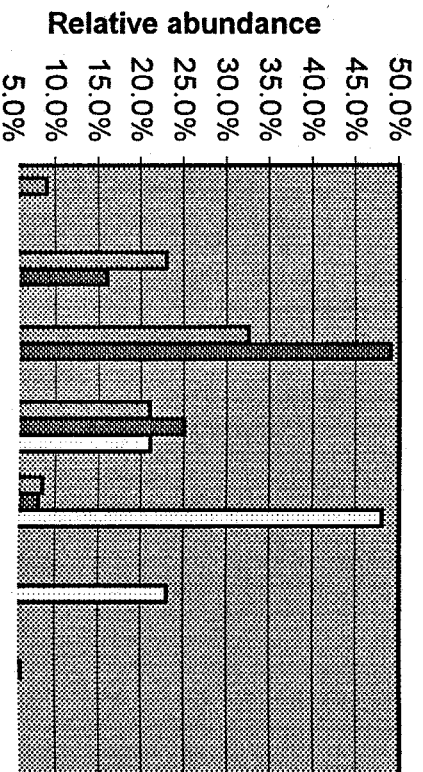
es with A1242 and A1254

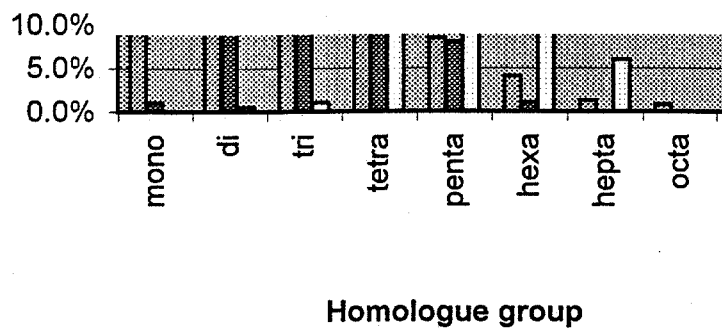
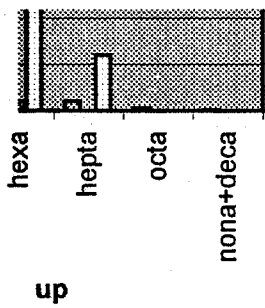


h A1242 and A1254

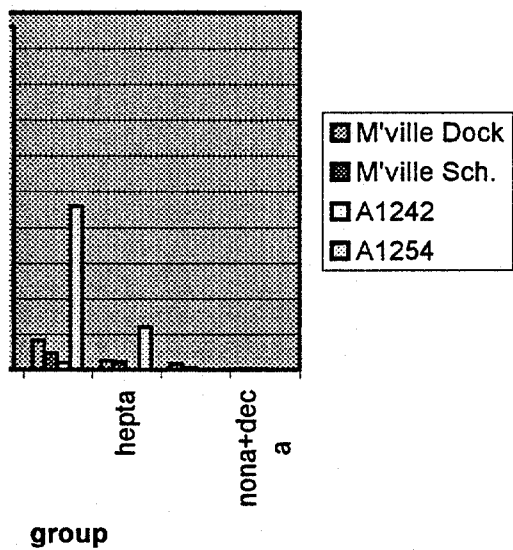


Comparison of sample with A1242 and



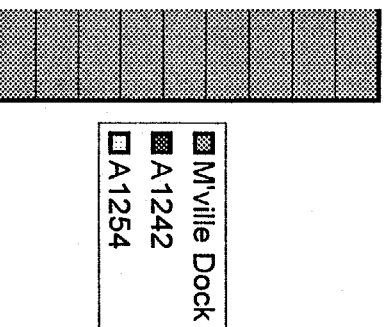


amples with A1242 and
54

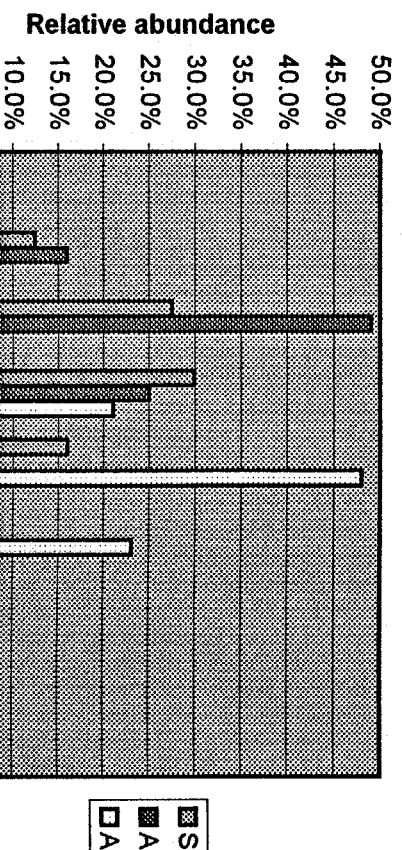


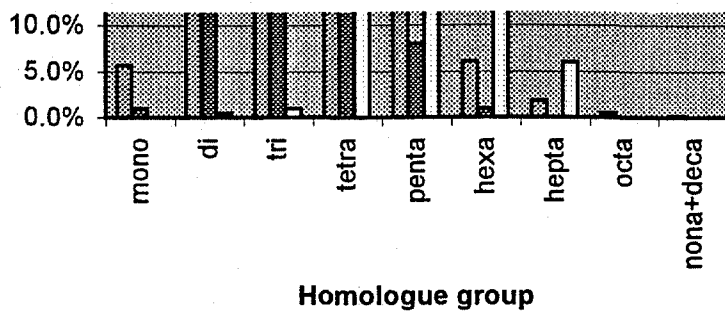
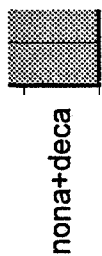
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A1254



Comparison of sample with A1242 and A1254



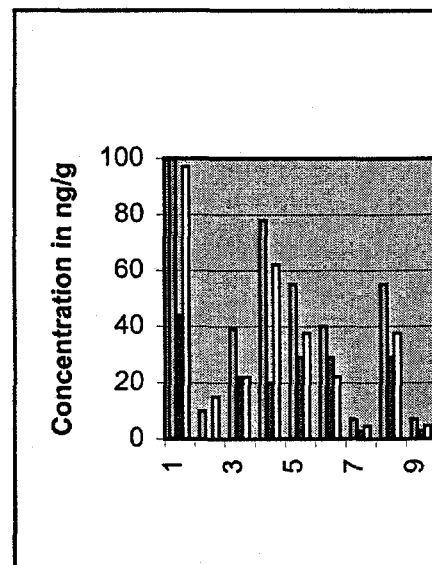


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S'ville Park
A1242
A1254

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Bz#	M'ville Dock	M'ville Sch.	S'ville Park
1	100	44	97
2	10	0	15
3	39	22	22
4	78	20	62
5	55	29	37.5
6	40	29	22
7	7	2.9	4.7
8	55	29	37.5
9	7	2.9	4.7
10	78	20	62
11			
12	19	12	23
13			
14	0	0	0
15	42.5	32.5	40.5
16	26	20	28.5
17	42.5	32.5	40.5
18	34	32	38
19	65	24	72
20	11.6	11.6	16.6
21			
22	23	24	33
23			
24	25.5	12.5	32.5
25	21	17	22
26	46	33	50
27	25.5	12.5	32.5
28	63	65	92
29	1.9	1.3	2.6
30			
31	92	74	100
32	26	20	28.5
33	11.6	11.6	16.6
34			
35			
36			
37	24	22	43
38			
39	2.2	0	1.7
40	7.1	7.7	16
41	20	14.5	32
42	0	0	0
43			
44	20	25	55
45	11	9	21
46	3.6	4	7.3
47	33	29	60



48	0	0	0
49	37	31	71
50			

Bz#	M'ville Dock	M'ville Sch.	S'ville Park
51	8.3	6	16
52	39	32	73
53	11.6	11.6	16.6
54			
55			
56	12.5	15	36
57			
58			
59	0	0	0
60	12.5	15	36
61			
62			
63	5	3.6	9.5
64	20	14.5	32
65	6.4	1.2	3
66	22.5	21	55
67	9.2	3.8	11
68			
69			
70	27	31	63
71			
72			
73			
74	25	24	56
75			
76			
77	17	12.5	38
78			
79			
80			
81			
82	3	3.2	11
83	2.5	1.6	6.3
84	6.2	5.3	15
85	3.1	2.9	9
86			
87	4.3	4.1	14.5
88			
89			
90	6	5	16.5
91	6.7	4.4	22
92	6.9	4.3	15
93			
94			

95	22.5	21	55
96			
97	6.2	5.7	19
98			
99	9.3	7.4	24
100			

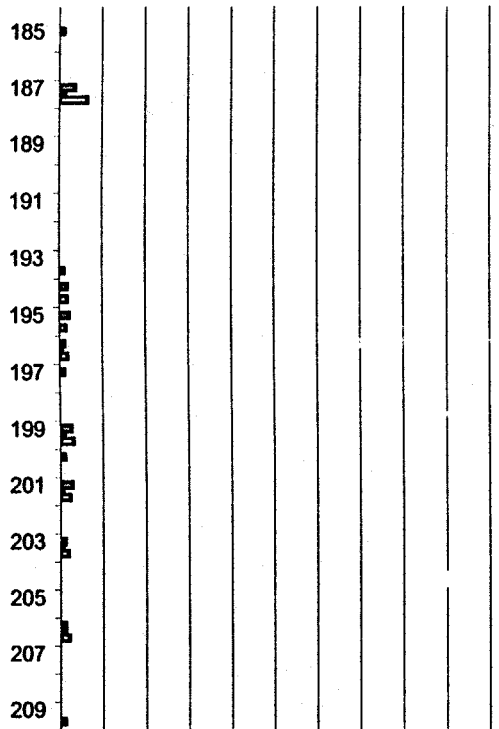
Bz#	M'ville Dock	M'ville Sch.	S'ville Park
101	6	5	16.5
102			
103			
104			
105	11	8.9	35
106			
107			
108			
109	3.7	1.9	6.8
110	17	12.5	38
111			
112			
113			
114			
115	4.3	4.1	14.5
116			
117			
118	16	12	42
119	1.2	1	4.6
120			
121			
122	0	0	2.1
123	4	2.3	11
124			
125			
126			
127			
128	2.8	1.4	9
129	4.2	0	3.2
130	0	1.9	3.3
131			
132	0	0	0
133			
134	1.6	1	3.4
135	3.1	1.2	8
136	2.3	1.1	11
137	13	0	2.4
138	13	6.8	37
139			
140			
141	1.9	1	8.8

142			
143			
144			
145			
146	2.6	1	5.4
147			
148			
149	4	2.3	11
150			

Bz#	M'ville Dock	M'ville Sch.	S'ville Park
151	3.7	1.7	8.5
152			
153	7.4	3.9	19
154			
155			
156	3.3	1	5.8
157	2.7	0.6	2.2
158	1.3	1	3.6
159			
160			
161			
162			
163			
164			
165			
166	0	0	0.5
167	1	0	1.6
168			
169			
170	2.5	1.4	7.3
171	0	0	0
172	0	0	1
173	0	0	0
174	2.4	1	4.7
175	0	0	0.5
176	0	1.9	3.3
177	2	1	3.5
178	1.8	1.4	3.3
179	1.6	1	0
180	5.1	1.7	9.2
181			
182			
183	1	1	2.2
184			
185	1	0	0
186			
187	3.6	1.3	6.5
188			

189	0	0	0
190	0	0	0
191	0	0	0
192			
193	0	0	1
194	1.8	0	1.8
195	2.2	0	1.4
196	1.1	0.6	1.8
197	1	0	0
198			
199	2.6	1	3
200	1	0	0
201	2.7	0.6	2.2
202	0	0	0
203	1.1	0.6	1.8
204			
205			
206	1.2	1.1	2
207			
208			
209	0	0	1
Total	1662.5	1121.8	2364.3

ville Dock
ville Sch.
ille Park



■ Mville Dock
 ■ Mville Sch.
 □ Sville Park

Bz#	Hom. Grp.	M'ville Sch. conc. in ng/g	S'ville Park conc. in ng/g	M'ville Dock conc. in ng/g	Bz#	Hom. Grp.
1	m	44	97	100	1	m
2	m	<5	15	10	2	m
3	m	22	22	39	3	m
4, 10	d	40	124	156	4, 10	d
7, 9	d	5.9	9.5	14	7, 9	d
6	d	29	22	40	6	d
5,8	d	58	75	110	5,8	d
14	d	<1	<1	<1.0	14	d
19	t	24	72	65	19	t
12	d	12	23	19	12	d
18	t	32	38	34	18	t
15, 17	d/t	65	81	85	15, 17	d/t
24, 27	t	25	65	51	24, 27	t
16, 32	t	40	57	52	16, 32	t
29	t	1.3	2.6	1.9	29	t
26	t	33	50	46	26	t
25	t	17	22	21	25	t
31	t	74	100	92	31	t
28	t	65	92	63	28	t
20, 33, 53	t/t/tt	35	50	35	20, 33, 53	t/t/tt
51	tt	6	16	8.3	51	tt
22	t	24	33	23	22	t
45	tt	9	21	11	45	tt
46	tt	4	7.3	3.6	46	tt
39	t	<1	1.7	2.2	39	t
52	tt	32	73	39	52	tt
49	tt	31	71	37	49	tt
47	tt	29	60	33	47	tt
48	tt	C-E	C-E	C-E	48	tt
65	tt	1.2	3	6.4	65	tt
44	tt	25	55	20	44	tt
42, 59	tt	C-E	C-E	C-E	42, 59	tt
37	t	22	43	24	37	t
41, 64	tt	29	64	40	41, 64	tt
40	tt	7.7	16	7.1	40	tt
67	tt	3.8	11	9.2	67	tt
63	tt	3.6	9.5	5	63	tt
74	tt	24	56	25	74	tt
70	tt	31	63	27	70	tt
66, 95	tt/p	42	110	45	66, 95	tt/p
91	p	4.4	22	6.7	91	p
56, 60	tt	30	72	25	56, 60	tt
92	p	4.3	15	6.9	92	p
84	p	5.3	15	6.2	84	p
90, 101	p	10	33	12	90, 101	p
99	p	7.4	24	9.3	99	p
119	p	1	4.6	1.2	119	p

83	p	1.6	6.3	2.5
97	p	5.7	19	6.2
87, 115	p	8.2	29	8.7
85, DDE	p/dde	5.8	18	6.2
136	h	1.1	11	2.3
77, 110	tt/p	25	76	34
82	p	3.2	11	3
151	h	1.7	8.5	3.7
135	h	1.2	8	3.1
I-109	p	1.9	6.8	3.7
123, 149	p/h	4.7	22	8.1
118	p	12	42	16
134	h	1	3.4	1.6
122	p	<1	2.1	<1.0
146	h	1	5.4	2.6
153	h	3.9	19	7.4
132	h	C-E	C-E	C-E
105	p	8.9	35	11
141	h	1	8.8	1.9
179	hp	1	C-E	1.6
137	h	<1	2.4	13
130, 176	h/hp	3.8	6.6	<1.0
138	h	6.8	37	13
158	h	1	3.6	1.3
129	h	C-E	3.2	4.2
178	hp	1.4	3.3	1.8
166, 175	h/hp	<1	1	<1.0
187	hp	1.3	6.5	3.6
183	hp	1	2.2	1
128	h	1.4	9	2.8
167	h	<1	1.6	1
185	hp	<1	<1.0	1
174	hp	1	4.7	2.4
177	hp	1	3.5	2
171, 202	hp/o	<1	C-E	<1.0
156	h	1	5.8	3.3
173	hp	<1	<1.0	<1.0
157, I-201	h/o	1.3	4.5	5.5
172	hp	<1	1	<1.0
197	o	<1	<1.0	1
180	hp	1.7	9.2	5.1
193	hp	<1	1	<1.0
191	hp	<1	<1.0	<1.0
I-200	o	<1	<1.0	1
170	hp	1.4	7.3	2.5
190	hp	C-E	C-E	C-E
I-199	o	1	3	2.6
203, 196	o	1.2	3.6	2.2
189	hp	<1	<1.0	<1.0

83	p
97	p
87, 115	p
85, DDE	p/dde
136	h
77, 110	tt/p
82	p
151	h
135	h
I-109	p
123, 149	p/h
118	p
134	h
122	p
146	h
153	h
132	h
105	p
141	h
179	hp
137	h
130, 176	h/hp
138	h
158	h
129	h
178	hp
166, 175	h/hp
187	hp
183	hp
128	h
167	h
185	hp
174	hp
177	hp
171, 202	hp/o
156	h
173	hp
157, I-201	h/o
172	hp
197	o
180	hp
193	hp
191	hp
I-200	o
170	hp
190	hp
I-199	o
203, 196	o
189	hp

195	o	<1	1.4	2.2
194	o	<1	1.8	1.8
206	n	1.1	2	1.2
209	deca	<1.0	1	<1.0

195	o
194	o
206	n
209	deca

M'ville Sch. conc. in ng/g	S'ville Park conc. in ng/g	M'ville Dock conc. in ng/g
44	97	100
0	15	10
22	22	39
40	124	156
5.9	9.5	14
29	22	40
58	75	110
0	0	0
24	72	65
12	23	19
32	38	34
65	81	85
25	65	51
40	57	52
1.3	2.6	1.9
33	50	46
17	22	21
74	100	92
65	92	63
35	50	35
6	16	8.3
24	33	23
9	21	11
4	7.3	3.6
0	1.7	2.2
32	73	39
31	71	37
29	60	33
0	0	0
1.2	3	6.4
25	55	20
0	0	0
22	43	24
29	64	40
7.7	16	7.1
3.8	11	9.2
3.6	9.5	5
24	56	25
31	63	27
42	110	45
4.4	22	6.7
30	72	25
4.3	15	6.9
5.3	15	6.2
10	33	12
7.4	24	9.3
1	4.6	1.2

1.6	6.3	2.5
5.7	19	6.2
8.2	29	8.7
5.8	18	6.2
1.1	11	2.3
25	76	34
3.2	11	3
1.7	8.5	3.7
1.2	8	3.1
1.9	6.8	3.7
4.7	22	8.1
12	42	16
1	3.4	1.6
0	2.1	0
1	5.4	2.6
3.9	19	7.4
0	0	0
8.9	35	11
1	8.8	1.9
1	0	1.6
0	2.4	13
3.8	6.6	0
6.8	37	13
1	3.6	1.3
0	3.2	4.2
1.4	3.3	1.8
0	1	0
1.3	6.5	3.6
1	2.2	1
1.4	9	2.8
0	1.6	1
0	0	1
1	4.7	2.4
1	3.5	2
0	0	0
1	5.8	3.3
0	0	0
1.3	4.5	5.5
0	1	0
0	0	1
1.7	9.2	5.1
0	1	0
0	0	0
0	0	1
1.4	7.3	2.5
0	0	0
1	3	2.6
1.2	3.6	2.2
0	0	0

0	1.4	2.2
0	1.8	1.8
1.1	2	1.2
0	1	0

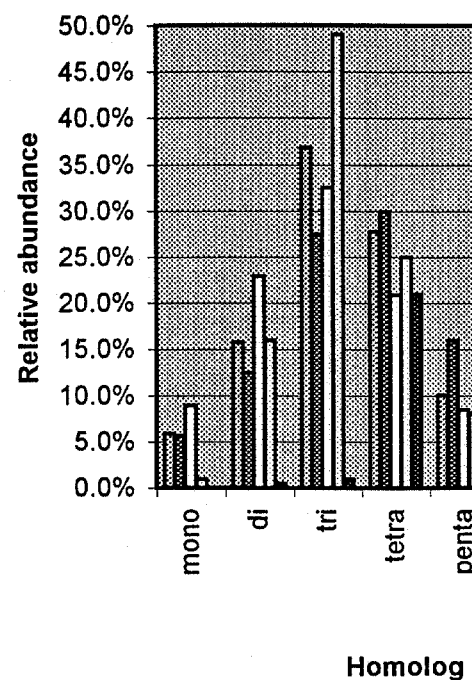
Bz#	Hom. Grp.	M'ville Sch. conc. in ng/g	S'ville Park conc. in ng/g	M'ville Dock conc. in ng/g	Hom. Grp.
1	a	44	97	100	mono
2	a	0	15	10	di
3	a	22	22	39	tri
Tot. mono	a	66	134	149	tetra
4, 10	b	40	124	156	penta
7, 9	b	5.9	9.5	14	hexa
6	b	29	22	40	hepta
5,8	b	58	75	110	octa
14	b	0	0	0	nona+deca
12	b	12	23	19	
15, 17	b	32.5	40.5	42.5	
Tot. di	b	177.4	294	381.5	
19	c	24	72	65	
18	c	32	38	34	
15, 17	c	32.5	40.5	42.5	
24, 27	c	25	65	51	
16, 32	c	40	57	52	
29	c	1.3	2.6	1.9	
26	c	33	50	46	
25	c	17	22	21	
31	c	74	100	92	
28	c	65	92	63	
20, 33, 53	c	11.66	16.66	11.66	
20, 33, 53	c	11.66	16.66	11.66	
22	c	24	33	23	
39	c	0	1.7	2.2	
37	c	22	43	24	
Tot. tri	c	413.12	650.12	540.92	
20, 33, 53	d	11.66	16.66	11.66	
51	d	6	16	8.3	
45	d	9	21	11	
46	d	4	7.3	3.6	
52	d	32	73	39	
49	d	31	71	37	
47	d	29	60	33	
48	d	0	0	0	
65	d	1.2	3	6.4	
44	d	25	55	20	
42, 59	d	0	0	0	
41, 64	d	29	64	40	
40	d	7.7	16	7.1	
67	d	3.8	11	9.2	
63	d	3.6	9.5	5	

74	d	24	56	25	
70	d	31	63	27	Hom. Grp.
66, 95	d	21	55	22.5	mono
56, 60	d	30	72	25	di
77, 110	d	12.5	38	17	tri
Tot. tetra	d	311.46	707.46	347.76	tetra
					penta
66, 95	e	21	55	22.5	hexa
91	e	4.4	22	6.7	hepta
92	e	4.3	15	6.9	octa
84	e	5.3	15	6.2	nona+deca
90, 101	e	10	33	12	
99	e	7.4	24	9.3	Hom. Grp.
119	e	1	4.6	1.2	mono
83	e	1.6	6.3	2.5	di
97	e	5.7	19	6.2	tri
87, 115	e	8.2	29	8.7	tetra
85	e	2.9	9	3.1	penta
77, 110	e	12.5	38	17	hexa
82	e	3.2	11	3	hepta
I-109	e	1.9	6.8	3.7	octa
123, 149	e	2.3	11	4	nona+deca
118	e	12	42	16	
122	e	0	2.1	0	
105	e	8.9	35	11	Hom. Grp.
Tot. penta	e	112.6	377.8	140	mono
					di
136	f	1.1	11	2.3	tri
151	f	1.7	8.5	3.7	tetra
135	f	1.2	8	3.1	penta
123, 149	f	2.3	11	4	hexa
134	f	1	3.4	1.6	hepta
146	f	1	5.4	2.6	octa
153	f	3.9	19	7.4	nona+deca
132	f	0	0	0	
141	f	1	8.8	1.9	Hom. Grp.
137	f	0	2.4	13	mono
130, 176	f	1.9	3.3	0	di
138	f	6.8	37	13	tri
158	f	1	3.6	1.3	tetra
129	f	0	3.2	4.2	penta
166, 175	f	0	0.5	0	hexa
128	f	1.4	9	2.8	hepta
167	f	0	1.6	1	octa
171, 202	f	0	0	0	nona+deca
156	f	1	5.8	3.3	
157, I-201	f	0.6	2.2	2.7	
Tot. hexa	f	25.9	143.7	67.9	
179	g	1	0	1.6	
130, 176	g	1.9	3.3	0	

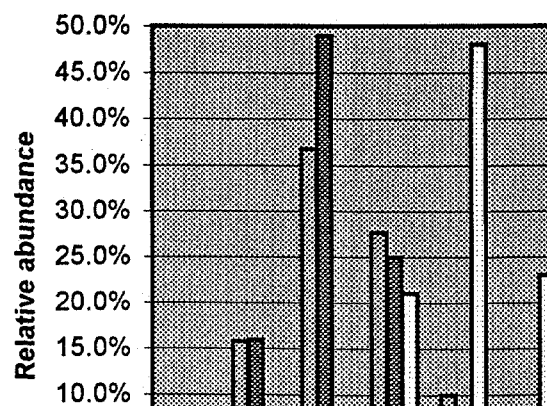
% by hom.grp

M'ville Sch.	S'ville Park	M'ville Dock	A1242	A1254
5.9%	5.7%	9.0%	1%	0%
15.8%	12.4%	22.9%	16%	0.50%
36.8%	27.5%	32.5%	49%	1%
27.8%	29.9%	20.9%	25%	21%
10.0%	16.0%	8.4%	8%	48%
2.3%	6.1%	4.1%	1%	23%
1.0%	1.8%	1.3%	0%	6%
0.2%	0.5%	0.8%	0%	0%
0.1%	0.1%	0.1%	0%	0%

Comparison of sample



Comparison of sample with

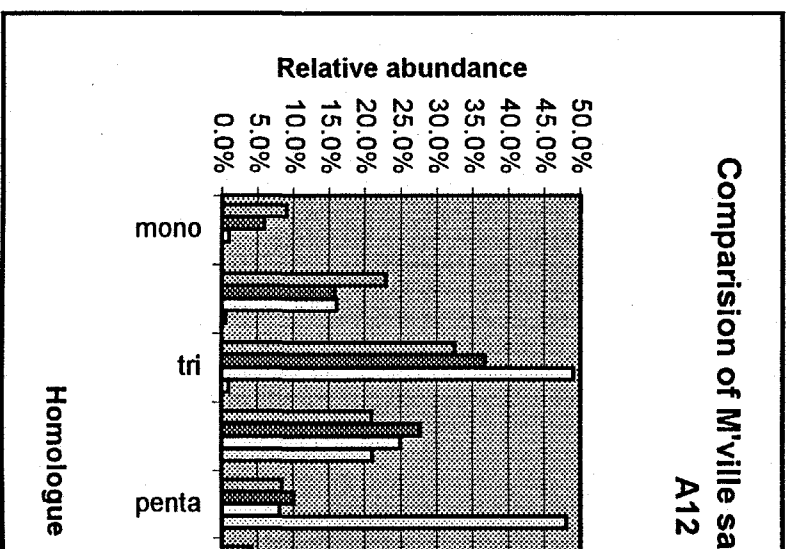
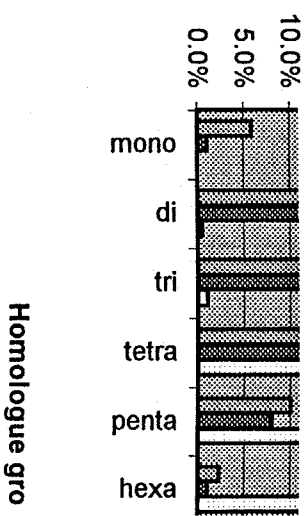


M'ville Sch.	A1242	A1254
5.9%	1.0%	0%
15.8%	16.0%	1%
36.8%	49.0%	1%
27.7%	25.0%	21%
10.0%	8.0%	48%
2.3%	1.0%	23%
1.0%	0.0%	6%
0.2%	0.0%	0%
0.1%	0.0%	0%

Sville Park	A1242	A1254
5.7%	1.0%	0%
12.4%	16.0%	1%
27.5%	49.0%	1%
29.9%	25.0%	21%
16.0%	8.0%	48%
6.1%	1.0%	23%
1.8%	0.0%	6%
0.5%	0.0%	0%
0.1%	0.0%	0%

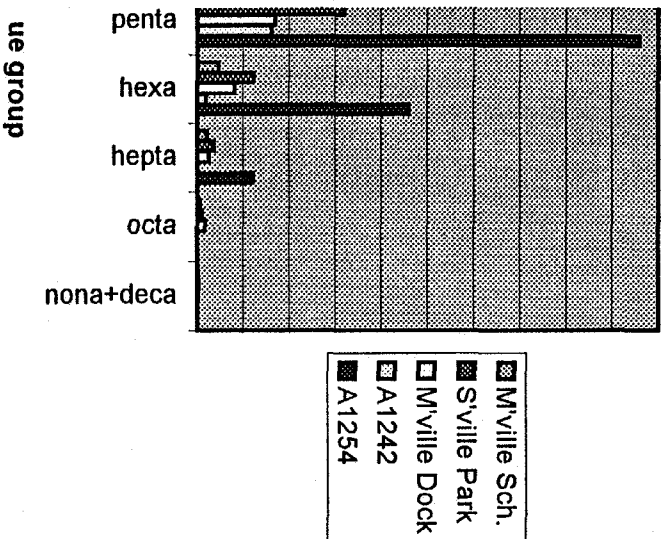
M'ville Dock	A1242	A1254
9.0%	1.0%	0%
22.9%	16.0%	1%
32.5%	49.0%	1%
20.9%	25.0%	21%
8.4%	8.0%	48%
4.1%	1.0%	23%
1.3%	0.0%	6%
0.8%	0.0%	0%
0.1%	0.0%	0%

M'ville Dock	M'ville Sch.	A1242	A1254
9.0%	5.9%	1.0%	0%
22.9%	15.8%	16.0%	1%
32.5%	36.8%	49.0%	1%
20.9%	27.7%	25.0%	21%
8.4%	10.0%	8.0%	48%
4.1%	2.3%	1.0%	23%
1.3%	1.0%	0.0%	6%
0.8%	0.2%	0.0%	0%
0.1%	0.1%	0.0%	0%

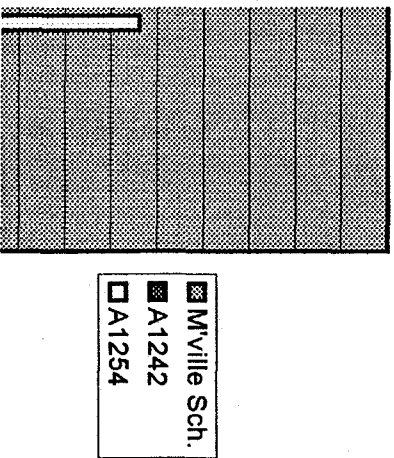


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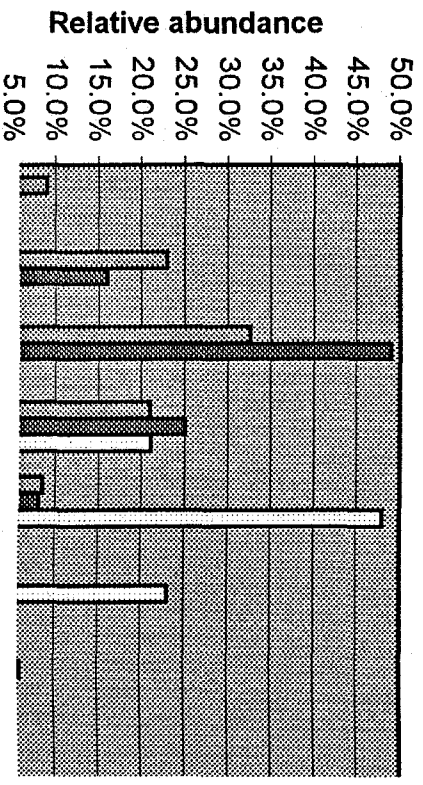
es with A1242 and A1254

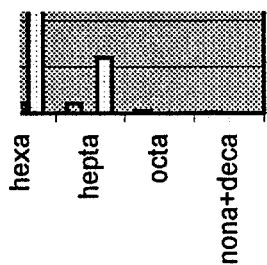


h A1242 and A1254

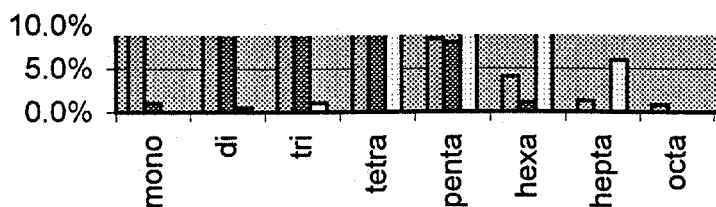


Comparison of sample with A1242 and



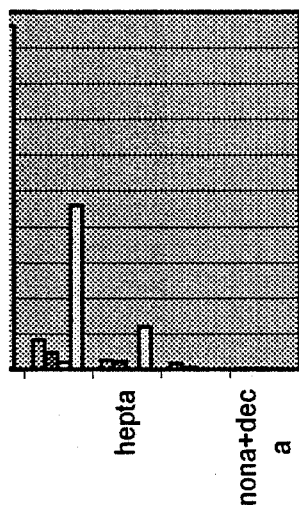


up

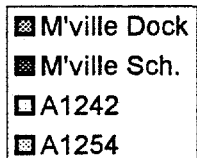


Homologue group

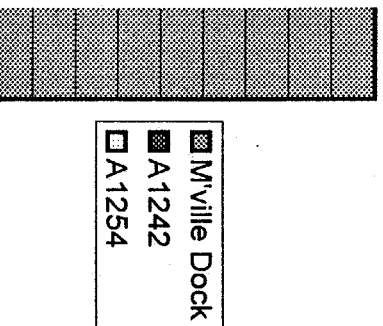
amples with A1242 and
54



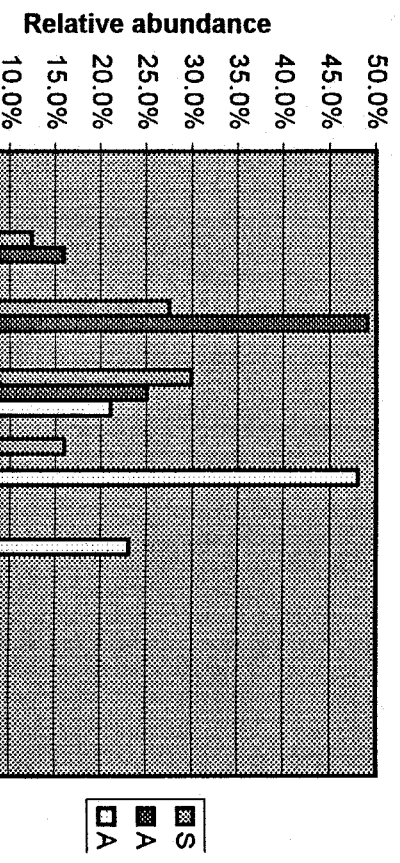
group

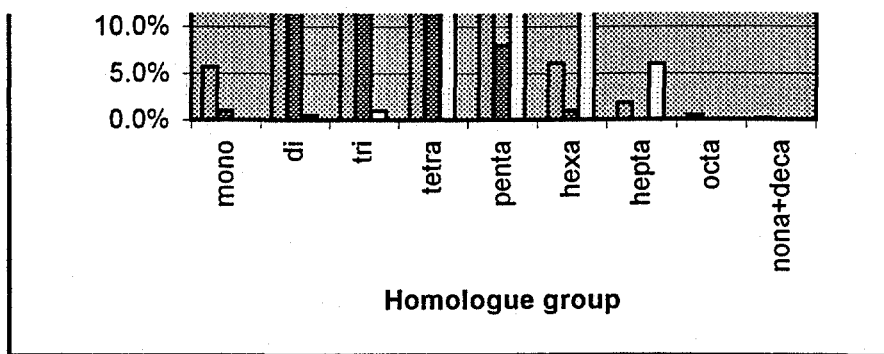
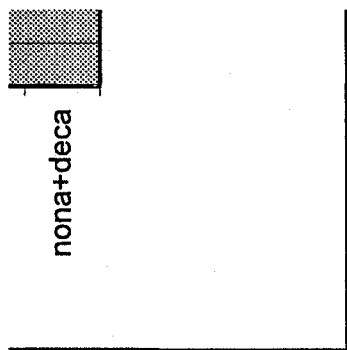


A1254



Comparison of sample with A1242 and A1254





S'ville Park
A1242
A1254

Bz#	M'ville Sch.
1	44
2	0
3	22
4	20
5	29
6	29
7	2.9
8	29
9	2.9
10	20
12	12
14	0
15	32.5
16	20
17	32.5
18	32
19	24
20	11.6
22	24
24	12.5
25	17
26	33
27	12.5
28	65
29	1.3
31	74
32	20
33	11.6
37	22
39	0
40	7.7
41	14.5
42	0
44	25
45	9
46	4
47	29

Bz#	S'ville Park
1	97
2	15
3	22
4	62
5	37.5
6	22
7	4.7
8	37.5
9	4.7
10	62
12	23
14	0
15	40.5
16	28.5
17	40.5
18	38
19	72
20	16.6
22	33
24	32.5
25	22
26	50
27	32.5
28	92
29	2.6
31	100
32	28.5
33	16.6
37	43
39	1.7
40	16
41	32
42	0
44	55
45	21
46	7.3
47	60

Bz#
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48 0
49 31

51 6
52 32
53 11.6

56 15

59 0
60 15

63 3.6
64 14.5
65 1.2
66 21
67 3.8

70 31

74 24

77 12.5

82 3.2
83 1.6
84 5.3
85 2.9

87 4.1

90 5
91 4.4
92 4.3

95 21

48 0
49 71

51 16
52 73
53 16.6

56 36

59 0
60 36

63 9.5
64 32
65 3
66 55
67 11

70 63

74 56

77 38

82 11
83 6.3
84 15
85 9

87 14.5

90 16.5
91 22
92 15

95 55

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97 5.7
99 7.4
101 5

105 8.9

109 1.9
110 12.5

115 4.1

118 12
119 1

122 0
123 2.3

128 1.4
129 0
130 1.9

132 0

134 1
135 1.2
136 1.1
137 0
138 6.8

141 1

97 19
99 24
101 16.5

105 35

109 6.8
110 38

115 14.5

118 42
119 4.6

122 2.1
123 11

128 9
129 3.2
130 3.3

132 0

134 3.4
135 8
136 11
137 2.4
138 37

141 8.8

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146	1	146	5.4	146
				147
				148
149	2.3	149	11	149
				150
151	1.7	151	8.5	151
				152
153	3.9	153	19	153
				154
				155
156	1	156	5.8	156
157	0.6	157	2.2	157
158	1	158	3.6	158
				159
				160
				161
				162
				163
				164
				165
166	0	166	0.5	166
167	0	167	1.6	167
				168
				169
170	1.4	170	7.3	170
171	0	171	0	171
172	0	172	1	172
173	0	173	0	173
174	1	174	4.7	174
175	0	175	0.5	175
176	1.9	176	3.3	176
177	1	177	3.5	177
178	1.4	178	3.3	178
179	1	179	0	179
180	1.7	180	9.2	180
				181
				182
183	1	183	2.2	183
				184
185	0	185	0	185
				186
187	1.3	187	6.5	187
				188
189	0	189	0	189
190	0	190	0	190
191	0	191	0	191
				192
193	0	193	1	193
194	0	194	1.8	194

195 0
196 0.6
197 0

199 1
200 0
201 0.6
202 0
203 0.6

206 1.1

209 0

195 1.4
196 1.8
197 0

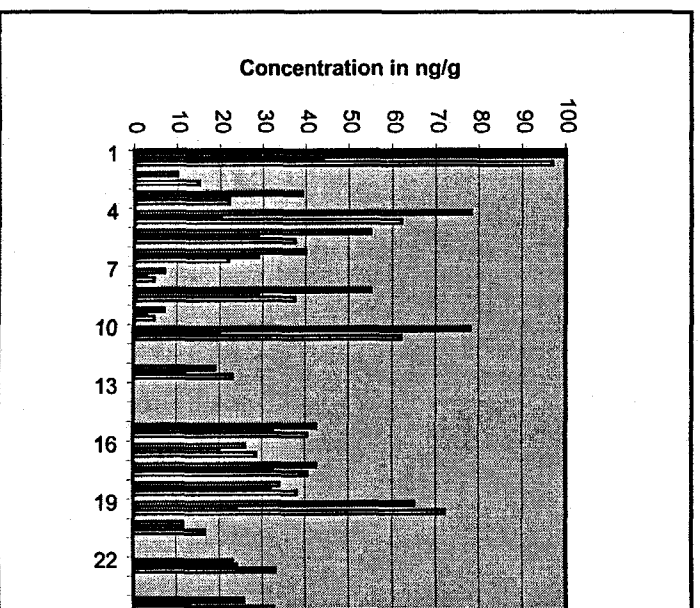
199 3
200 0
201 2.2
202 0
203 1.8

206 2

209 1

195
196
197
198
199
200
201
202
203
204
205
206
207
208
209

M'ville Dock	M'ville Sch.	S'ville Park
100	44	97
10	0	15
39	22	22
78	20	62
55	29	37.5
40	29	22
7	2.9	4.7
55	29	37.5
7	2.9	4.7
78	20	62
19	12	23
0	0	0
42.5	32.5	40.5
26	20	28.5
42.5	32.5	40.5
34	32	38
65	24	72
11.6	11.6	16.6
23	24	33
25.5	12.5	32.5
21	17	22
46	33	50
25.5	12.5	32.5
63	65	92
1.9	1.3	2.6
92	74	100
26	20	28.5
11.6	11.6	16.6
24	22	43
2.2	0	1.7
7.1	7.7	16
20	14.5	32
0	0	0
20	25	55
11	9	21
3.6	4	7.3
33	29	60



0	0	0
37	31	71
8.3	6	16
39	32	73
11.6	11.6	16.6

12.5	15	36
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0	0	0
12.5	15	36

5	3.6	9.5
20	14.5	32
6.4	1.2	3
22.5	21	55
9.2	3.8	11

27	31	63
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25	24	56
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17	12.5	38
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3	3.2	11
2.5	1.6	6.3
6.2	5.3	15
3.1	2.9	9

4.3	4.1	14.5
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6	5	16.5
6.7	4.4	22
6.9	4.3	15

22.5	21	55
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6.2	5.7	19
9.3	7.4	24
6	5	16.5
11	8.9	35
3.7	1.9	6.8
17	12.5	38
4.3	4.1	14.5
16	12	42
1.2	1	4.6
0	0	2.1
4	2.3	11
2.8	1.4	9
4.2	0	3.2
0	1.9	3.3
0	0	0
1.6	1	3.4
3.1	1.2	8
2.3	1.1	11
13	0	2.4
13	6.8	37
1.9	1	8.8

2.6	1	5.4
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4	2.3	11
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3.7	1.7	8.5
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7.4	3.9	19
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3.3	1	5.8
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2.7	0.6	2.2
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1.3	1	3.6
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0	0	0.5
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1	0	1.6
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2.5	1.4	7.3
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0	0	0
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0	0	1
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0	0	0
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2.4	1	4.7
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0	0	0.5
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0	1.9	3.3
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2	1	3.5
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1.8	1.4	3.3
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1.6	1	0
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5.1	1.7	9.2
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1	1	2.2
---	---	-----

1	0	0
---	---	---

3.6	1.3	6.5
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0	0	0
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0	0	0
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0	0	0
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0	0	1
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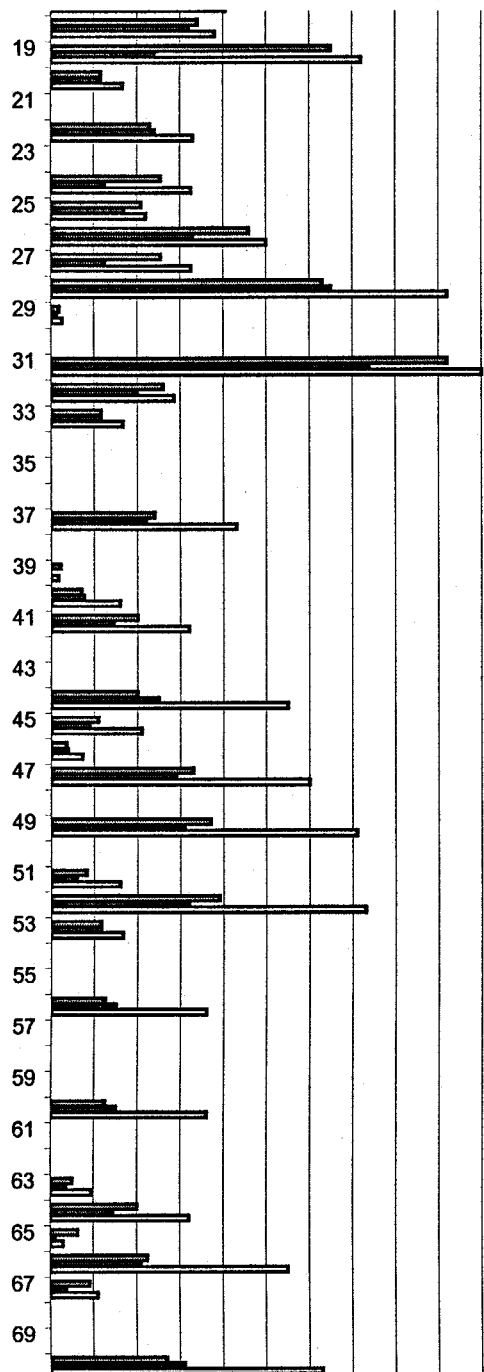
1.8	0	1.8
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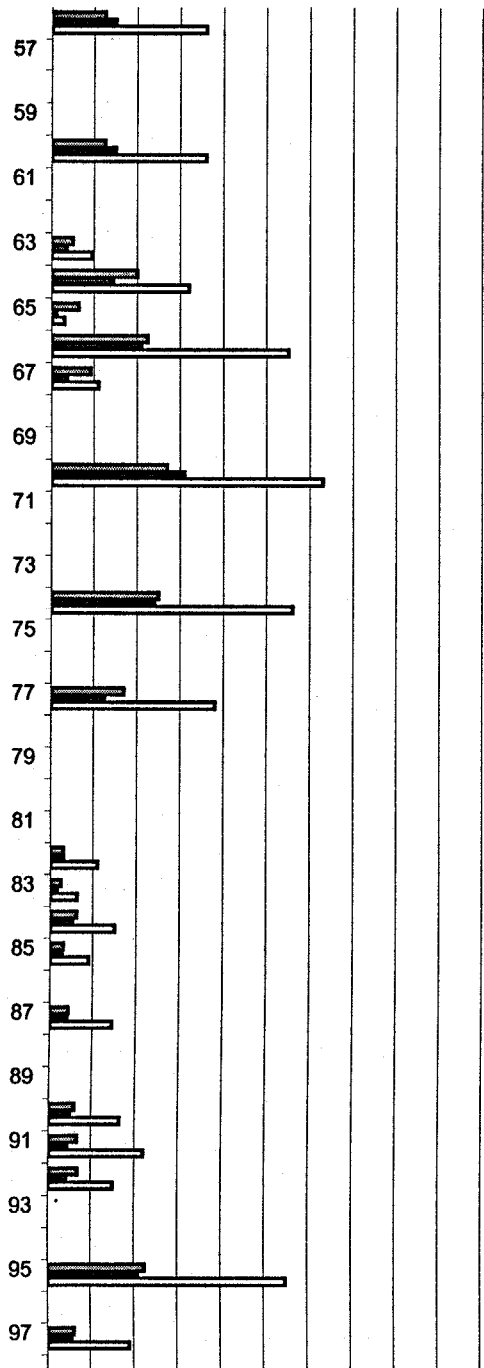
2.2	0	1.4
1.1	0.6	1.8
1	0	0

2.6	1	3
1	0	0
2.7	0.6	2.2
0	0	0
1.1	0.6	1.8

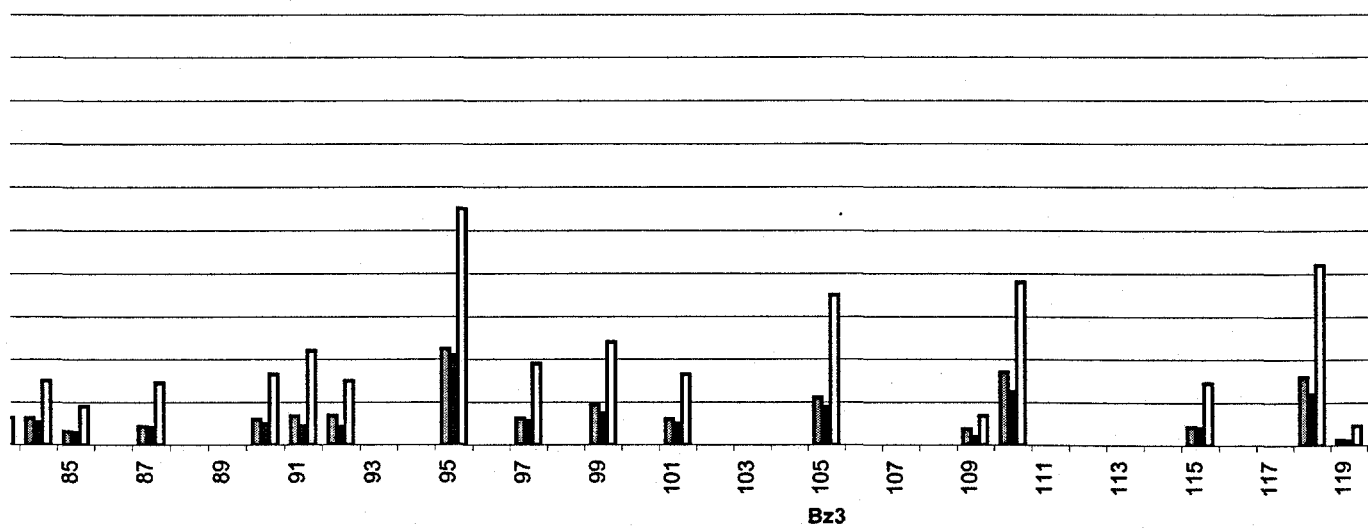
1.2	1.1	2
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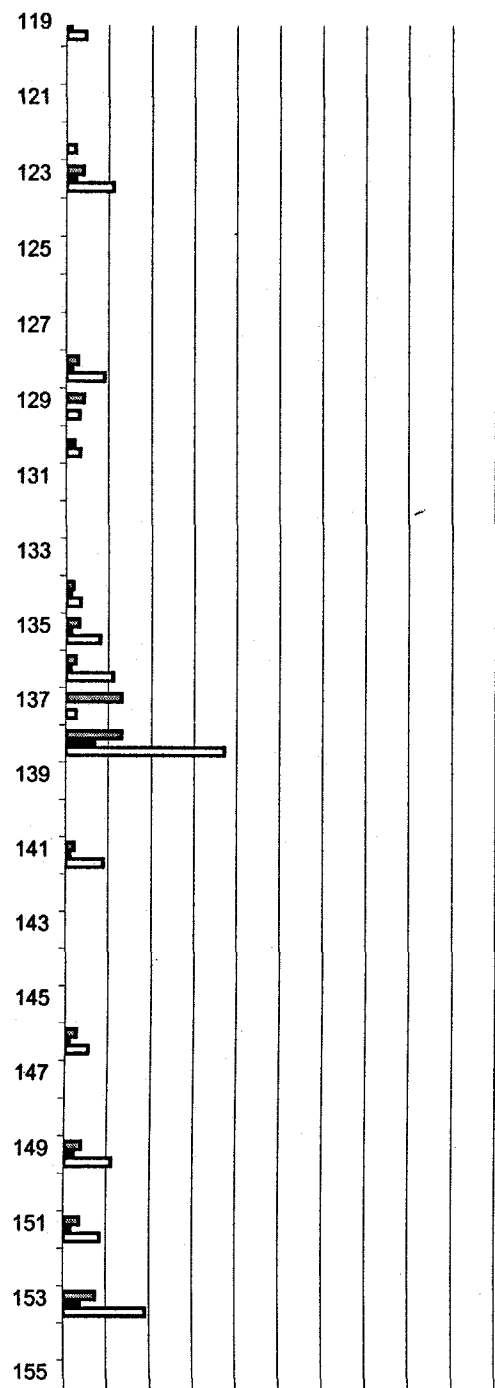
0	0	1
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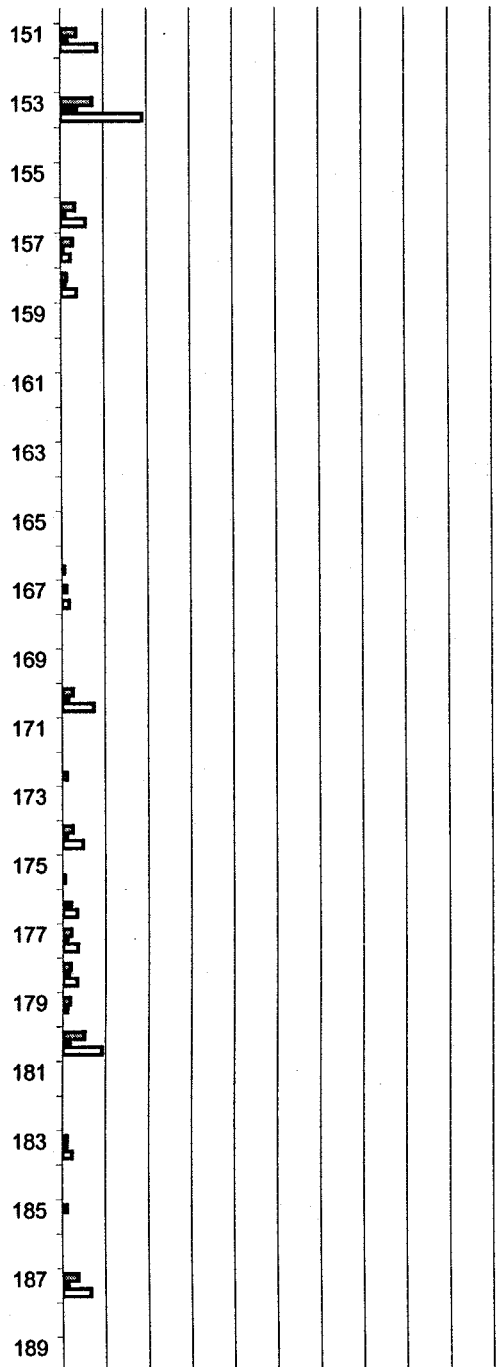




Congener distribution by Bz#







PCB congener results-Bz# 1 through Bz# 50

