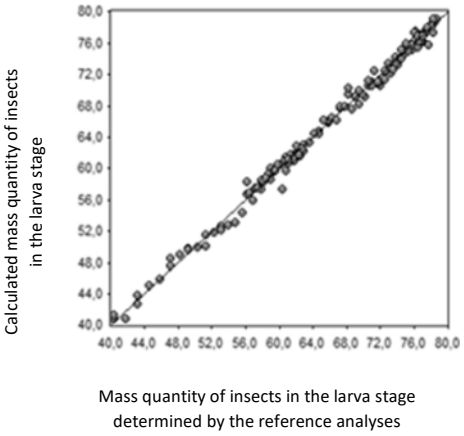

Calculated mass quantity of insects in the larva stage
80,0
76,0
72,0
68,0
64,0
60,0
56,0
52,0
48,0
44,0
40,0
40,0 44,0 48,0 52,0 56,0 60,0 64,0 68,0 72,0 76,0 80,0
Mass quantity of insects in the larva stage determined by the reference analyses

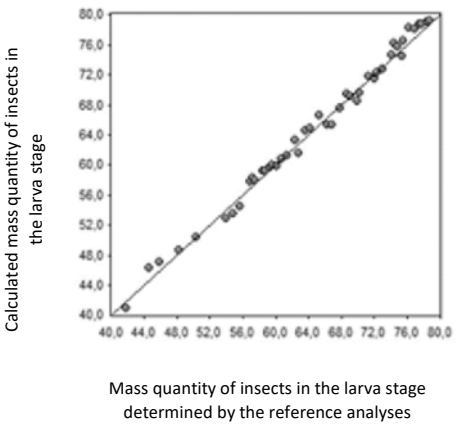
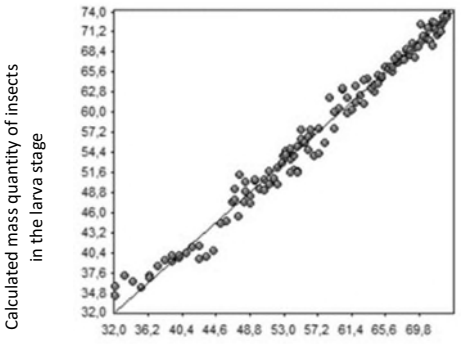

Calculated mass quantity of insects in the larva stage
80,0
76,0
72,0
68,0
64,0
60,0
56,0
52,0
48,0
44,0
40,0
40,0 44,0 48,0 52,0 56,0 60,0 64,0 68,0 72,0 76,0 80,0
Mass quantity of insects in the larva stage determined by the reference analyses

Fig. 1


Calculated mass quantity of insects in the larva stage
74,0
71,2
68,4
65,6
62,8
60,0
57,2
54,4
51,6
48,8
46,0
43,2
40,4
37,6
34,8
32,0
32,0 36,2 40,4 44,6 48,8 53,0 57,2 61,4 65,6 69,8
Mass quantity of insects in the larva stage determined by the reference analyses

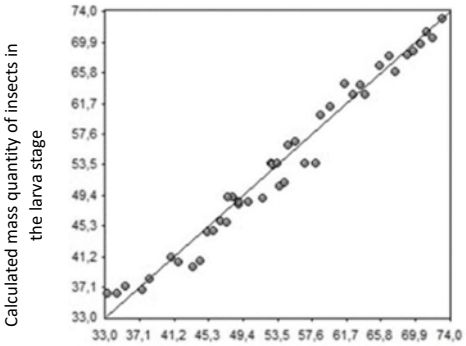
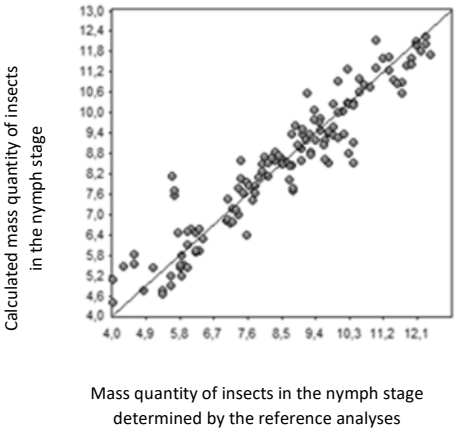

Calculated mass quantity of insects in the larva stage
74,0
69,9
65,8
61,7
57,6
53,5
49,4
45,3
41,2
37,1
33,0
33,0 37,1 41,2 45,3 49,4 53,5 57,6 61,7 65,8 69,9 74,0
Mass quantity of insects in the larva stage determined by the reference analyses

Fig. 2


Calculated mass quantity of insects in the nymph stage
13,0
12,4
11,8
11,2
10,6
10,0
9,4
8,8
8,2
7,6
7,0
6,4
5,8
5,2
4,6
4,0
4,0 4,9 5,8 6,7 7,6 8,5 9,4 10,3 11,2 12,1
Mass quantity of insects in the nymph stage determined by the reference analyses

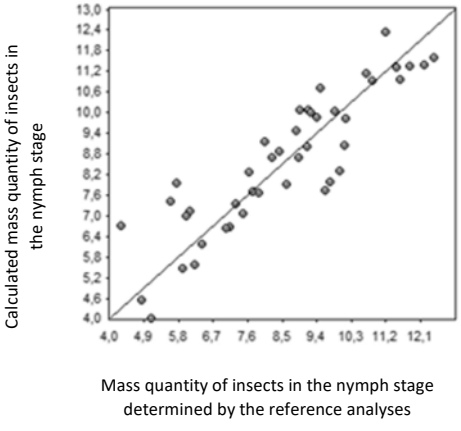
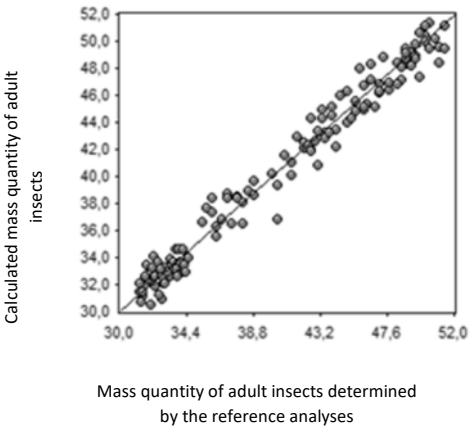

Calculated mass quantity of insects in the nymph stage
13,0
12,4
11,8
11,2
10,6
10,0
9,4
8,8
8,2
7,6
7,0
6,4
5,8
5,2
4,6
4,0
4,0 4,9 5,8 6,7 7,6 8,5 9,4 10,3 11,2 12,1
Mass quantity of insects in the nymph stage determined by the reference analyses

Fig. 3


Calculated mass quantity of adult insects
52,0
50,0
48,0
46,0
44,0
42,0
40,0
38,0
36,0
34,0
32,0
30,0
30,0 34,4 38,8 43,2 47,6 52,0
Mass quantity of adult insects determined by the reference analyses

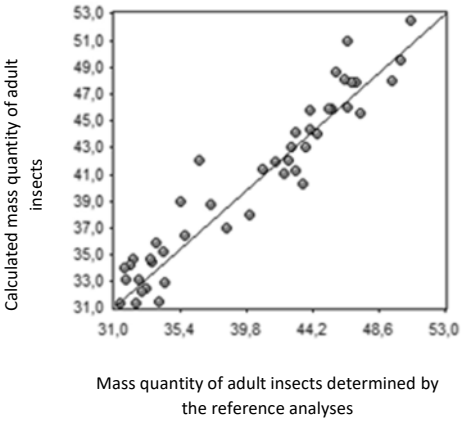
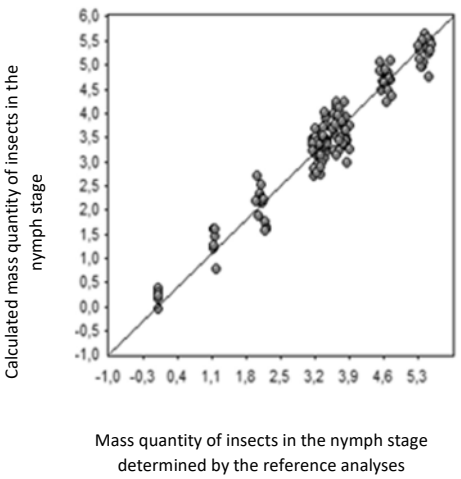

Calculated mass quantity of adult insects
53,0
51,0
49,0
47,0
45,0
43,0
41,0
39,0
37,0
35,0
33,0
31,0
31,0 35,4 39,8 44,2 48,6 53,0
Mass quantity of adult insects determined by the reference analyses

Fig. 4


Calculated mass quantity of insects in the nymph stage
6,0
5,5
5,0
4,5
4,0
3,5
3,0
2,5
2,0
1,5
1,0
0,5
0,0
-0,5
-1,0
-1,0 -0,3 0,4 1,1 1,8 2,5 3,2 3,9 4,6 5,3
Mass quantity of insects in the nymph stage determined by the reference analyses

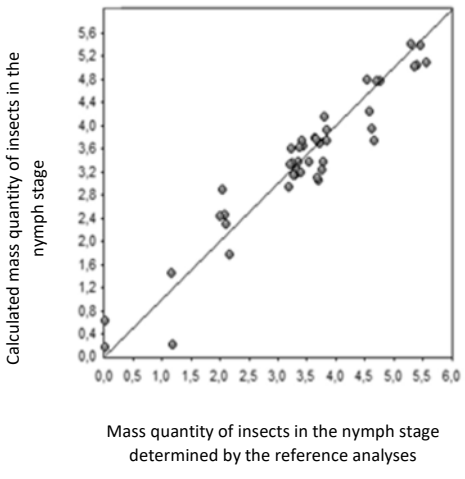
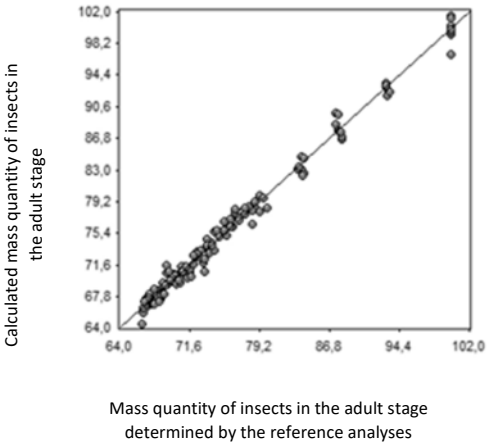

Calculated mass quantity of insects in the nymph stage
5,6
5,2
4,8
4,4
4,0
3,6
3,2
2,8
2,4
2,0
1,6
1,2
0,8
0,4
0,0
0,0 0,5 1,0 1,5 2,0 2,5 3,0 3,5 4,0 4,5 5,0 5,5 6,0
Mass quantity of insects in the nymph stage determined by the reference analyses

Fig. 5


Calculated mass quantity of insects in the adult stage
102,0
98,2
94,4
90,6
86,8
83,0
79,2
75,4
71,6
67,8
64,0
64,0 71,6 79,2 86,8 94,4 102,0
Mass quantity of insects in the adult stage determined by the reference analyses

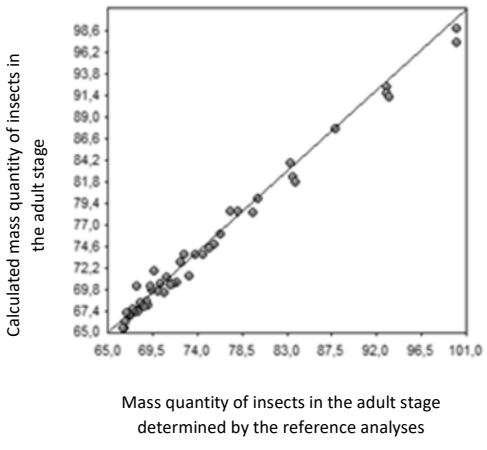

Calculated mass quantity of insects in the adult stage
98,6
96,2
93,8
91,4
89,0
86,6
84,2
81,8
79,4
77,0
74,6
72,2
69,8
67,4
65,0
65,0 69,5 74,0 78,5 83,0 87,5 92,0 96,5 101,0
Mass quantity of insects in the adult stage determined by the reference analyses

Fig. 6

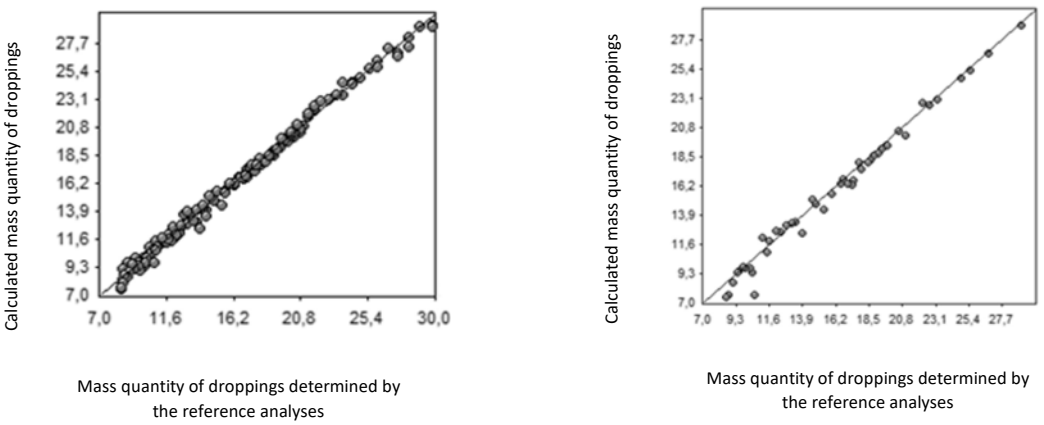

Calculated mass quantity of droppings
27,7
25,4
23,1
20,8
18,5
16,2
13,9
11,6
9,3
7,0
7,0 11,6 16,2 20,8 25,4 30,0
Mass quantity of droppings determined by the reference analyses
Calculated mass quantity of droppings
27,7
25,4
23,1
20,8
18,5
16,2
13,9
11,6
9,3
7,0
7,0 9,3 11,6 13,9 16,2 18,5 20,8 23,1 25,4 27,7
Mass quantity of droppings determined by the reference analyses

Fig. 7

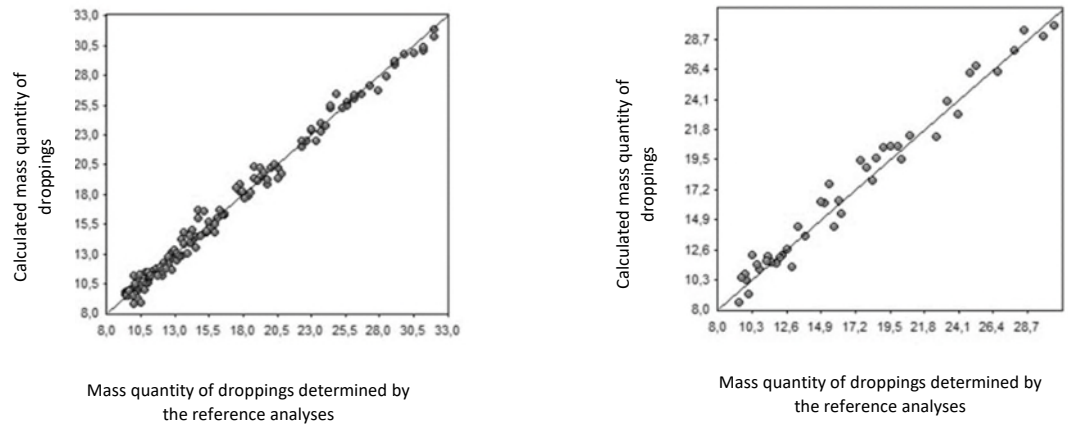
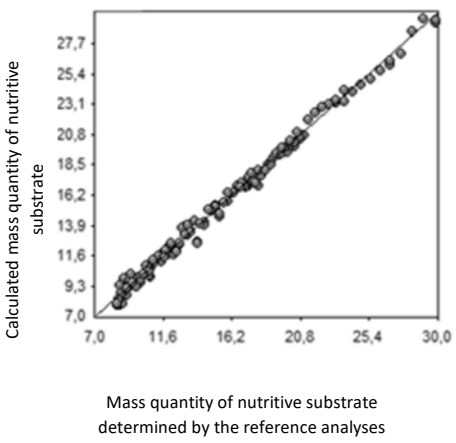

Calculated mass quantity of droppings
33,0
30,5
28,0
25,5
23,0
20,5
18,0
15,5
13,0
10,5
8,0
8,0 10,5 13,0 15,5 18,0 20,5 23,0 25,5 28,0 30,5 33,0
Mass quantity of droppings determined by the reference analyses
Calculated mass quantity of droppings
28,7
26,4
24,1
21,8
19,5
17,2
14,9
12,6
10,3
8,0
8,0 10,3 12,6 14,9 17,2 19,5 21,8 24,1 26,4 28,7
Mass quantity of droppings determined by the reference analyses

Fig. 8


Calculated mass quantity of nutritive substrate
27,7
25,4
23,1
20,8
18,5
16,2
13,9
11,6
9,3
7,0
7,0
11,6
16,2
20,8
25,4
30,0
Mass quantity of nutritive substrate determined by the reference analyses

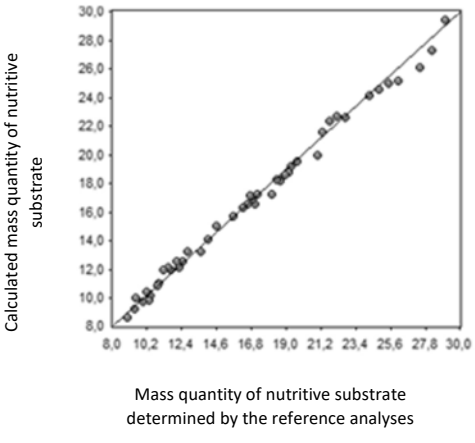
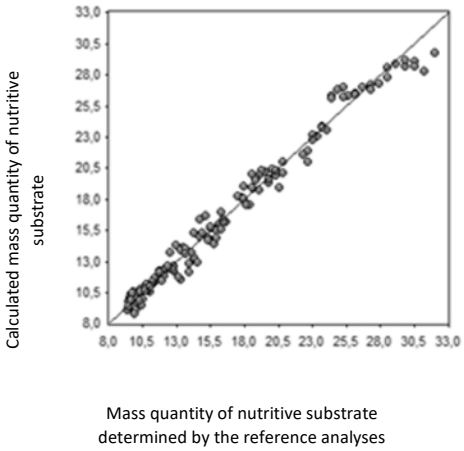

Calculated mass quantity of nutritive substrate
30,0
28,0
26,0
24,0
22,0
20,0
18,0
16,0
14,0
12,0
10,0
8,0
8,0 10,2 12,4 14,6 16,8 19,0 21,2 23,4 25,6 27,8 30,0
Mass quantity of nutritive substrate determined by the reference analyses

Fig. 9


Calculated mass quantity of nutritive substrate
33,0
30,5
28,0
25,5
23,0
20,5
18,0
15,5
13,0
10,5
8,0
8,0 10,5 13,0 15,5 18,0 20,5 23,0 25,5 28,0 30,5 33,0
Mass quantity of nutritive substrate determined by the reference analyses

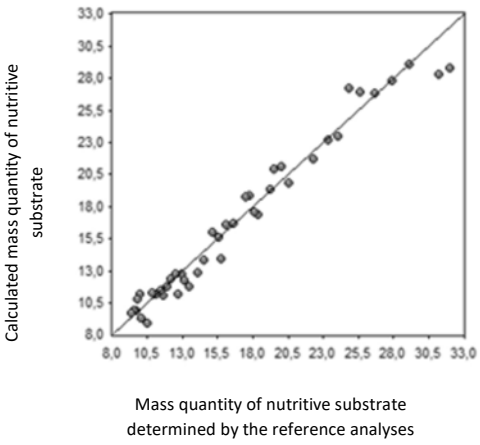

Calculated mass quantity of nutritive substrate
33,0
30,5
28,0
25,5
23,0
20,5
18,0
15,5
13,0
10,5
8,0
8,0 10,5 13,0 15,5 18,0 20,5 23,0 25,5 28,0 30,5 33,0
Mass quantity of nutritive substrate determined by the reference analyses

Fig. 10

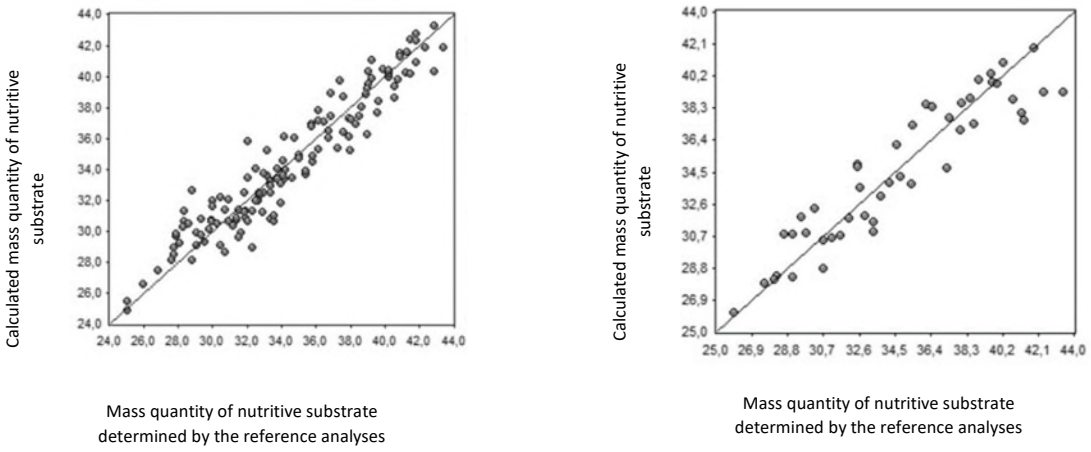

Calculated mass quantity of nutritive substrate
Mass quantity of nutritive substrate determined by the reference analyses
Calculated mass quantity of nutritive substrate
Mass quantity of nutritive substrate determined by the reference analyses

Fig. 11

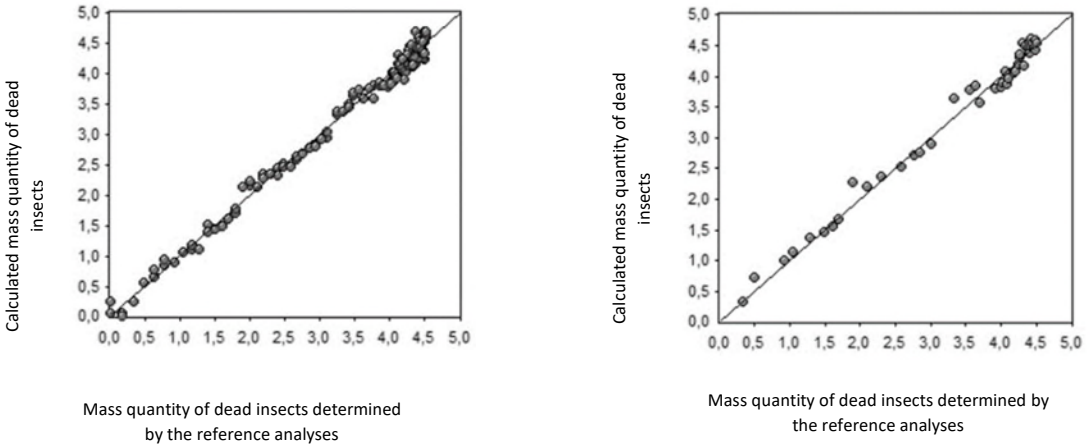

Calculated mass quantity of dead insects
Mass quantity of dead insects determined by the reference analyses
Calculated mass quantity of dead insects
Mass quantity of dead insects determined by the reference analyses

Fig. 12

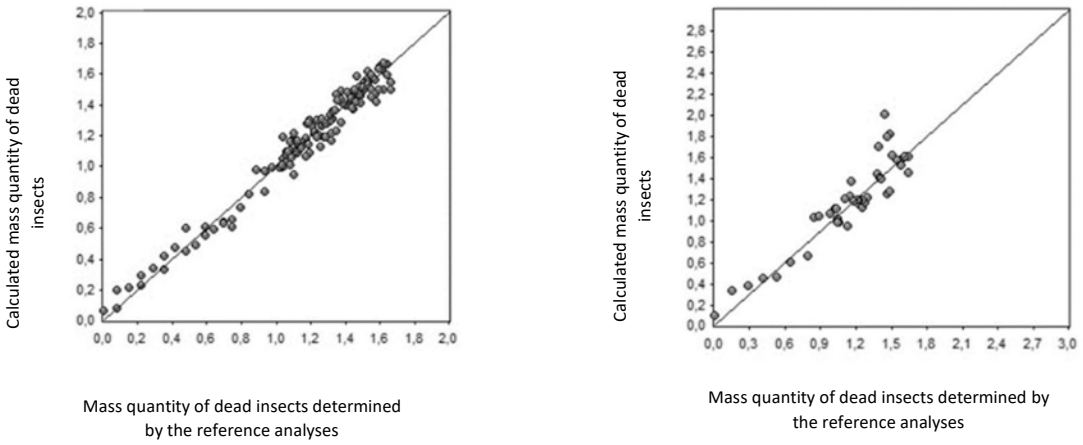

Calculated mass quantity of dead insects
Mass quantity of dead insects determined by the reference analyses
Calculated mass quantity of dead insects
Mass quantity of dead insects determined by the reference analyses

Fig. 13

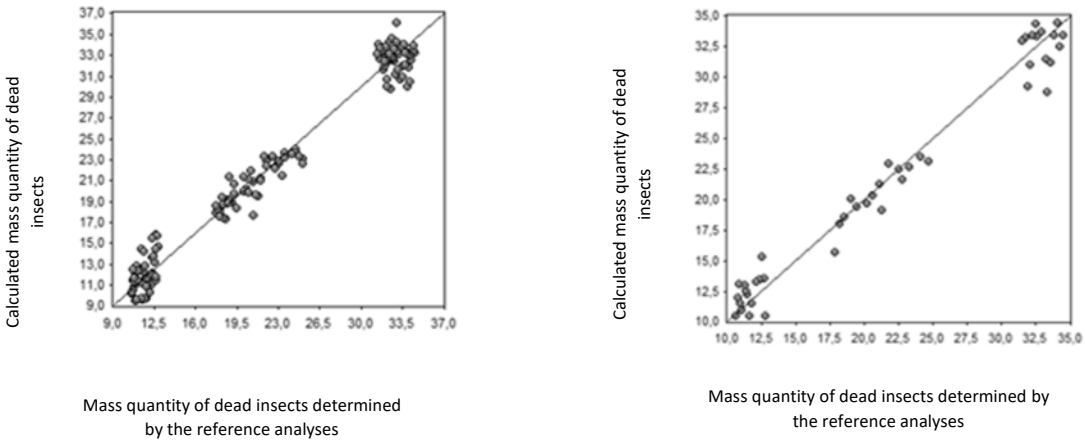
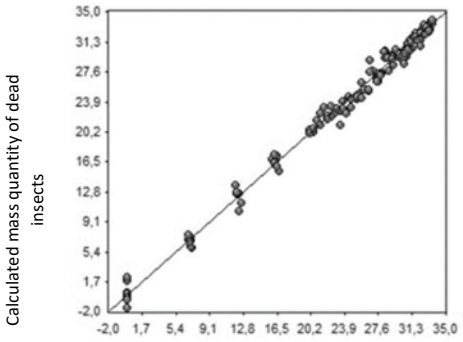

Calculated mass quantity of dead insects
Mass quantity of dead insects determined by the reference analyses
Calculated mass quantity of dead insects
Mass quantity of dead insects determined by the reference analyses

Fig. 14


Calculated mass quantity of dead insects
35,0
31,3
27,6
23,9
20,2
16,5
12,8
9,1
5,4
1,7
-2,0
-2,0 1,7 5,4 9,1 12,8 16,5 20,2 23,9 27,6 31,3 35,0
Mass quantity of dead insects determined by the reference analyses

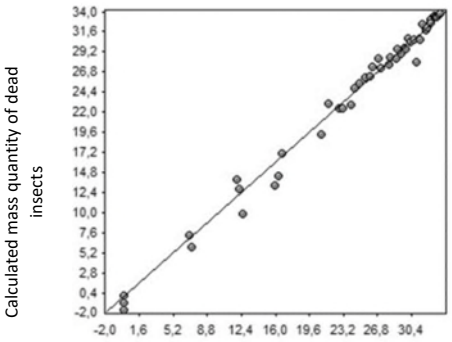
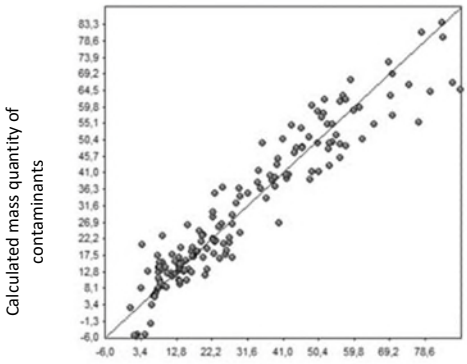

Calculated mass quantity of dead insects
34,0
31,6
29,2
26,8
24,4
22,0
19,6
17,2
14,8
12,4
10,0
7,6
5,2
2,8
0,4
-2,0
-2,0 1,6 5,2 8,8 12,4 16,0 19,6 23,2 26,8 30,4
Mass quantity of dead insects determined by the reference analyses

Fig. 15


Calculated mass quantity of contaminants
83,3
78,6
73,9
69,2
64,5
59,8
55,1
50,4
45,7
41,0
36,3
31,6
26,9
22,2
17,5
12,8
8,1
3,4
-1,3
-6,0
-6,0 3,4 12,8 22,2 31,6 41,0 50,4 59,8 69,2 78,6
Mass quantity of contaminants determined by the reference analyses

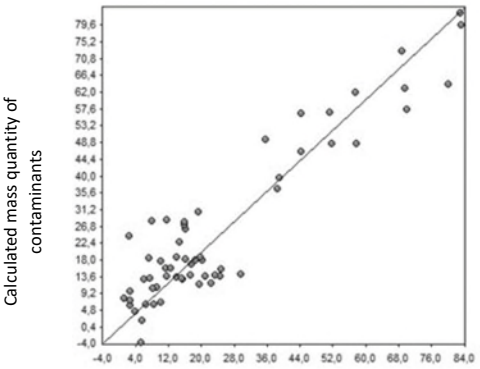
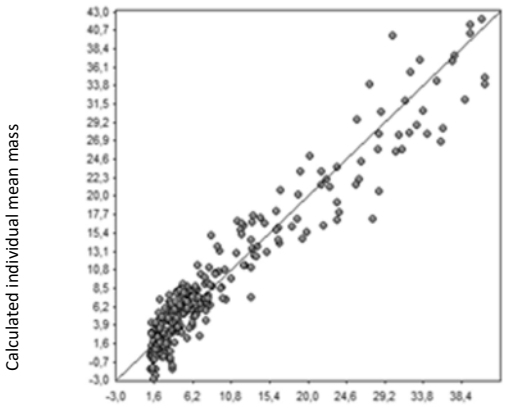

Calculated mass quantity of contaminants
79,6
75,2
70,8
66,4
62,0
57,6
53,2
48,8
44,4
40,0
35,6
31,2
26,8
22,4
18,0
13,6
9,2
4,8
0,4
-4,0
-4,0 4,0 12,0 20,0 28,0 36,0 44,0 52,0 60,0 68,0 76,0 84,0
Mass quantity of contaminants determined by the reference analyses

Fig. 16


Calculated individual mean mass
43,0
40,7
38,4
36,1
33,8
31,5
29,2
26,9
24,6
22,3
20,0
17,7
15,4
13,1
10,8
8,5
6,2
3,9
1,6
-0,7
-3,0
-3,0 1,6 6,2 10,8 15,4 20,0 24,6 29,2 33,8 38,4
Individual mean mass determined by the reference analyses

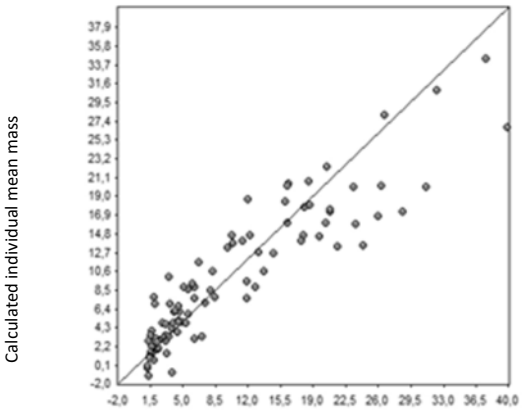
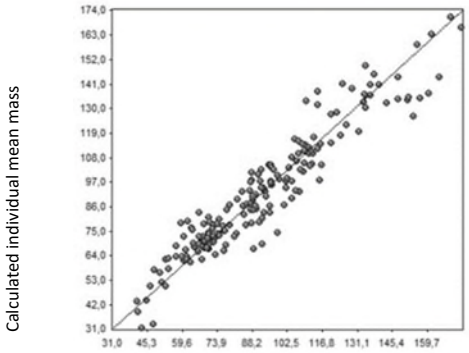

Calculated individual mean mass
37,9
35,8
33,7
31,6
29,5
27,4
25,3
23,2
21,1
19,0
16,9
14,8
12,7
10,6
8,5
6,4
4,3
2,2
0,1
-2,0
-2,0 1,5 5,0 8,5 12,0 15,5 19,0 22,5 26,0 29,5 33,0 36,5 40,0
Individual mean mass determined by the reference analyses

Fig. 17


Calculated individual mean mass
174,0
163,0
152,0
141,0
130,0
119,0
108,0
97,0
86,0
75,0
64,0
53,0
42,0
31,0
31,0 45,3 59,6 73,9 88,2 102,5 116,8 131,1 145,4 159,7
Individual mean mass determined by the reference analyses

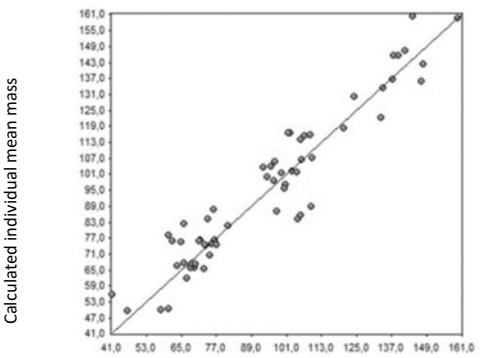

Calculated individual mean mass
161,0
155,0
149,0
143,0
137,0
131,0
125,0
119,0
113,0
107,0
101,0
95,0
89,0
83,0
77,0
71,0
65,0
59,0
53,0
47,0
41,0
41,0 53,0 65,0 77,0 89,0 101,0 113,0 125,0 137,0 149,0 161,0
Individual mean mass determined by the reference analyses

Fig. 18