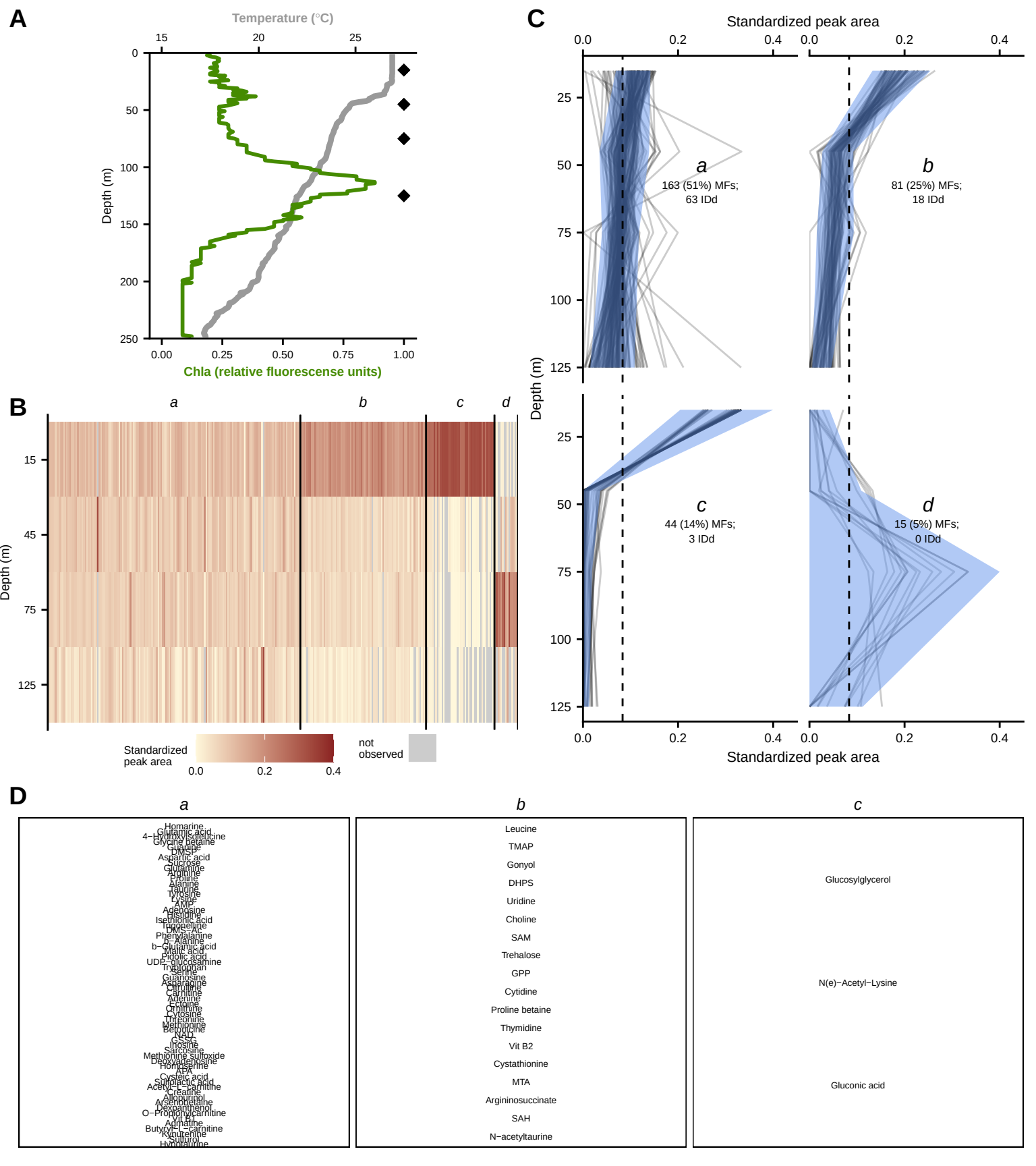
A
Temperature (°C)
15
20
25
0
50
100
150
200
250
Depth (m)
0.00
0.25
0.50
0.75
1.00
Chla (relative fluorescense units)
B
a
b
c
d
15
45
75
125
Depth (m)
Standardized peak area
0.0
0.2
0.4
not observed
C
Standardized peak area
0.0
0.2
0.4
25
50
75
100
125
Depth (m)
a
163 (51%) MFs;
63 IDd
b
81 (25%) MFs;
18 IDd
c
44 (14%) MFs;
3 IDd
d
15 (5%) MFs;
0 IDd
Standardized peak area
D
a
Homarine
Glutamic acid
4−Hydroxyisoleucine
Glycine betaine
Guanine
DMSP
Aspartic acid
Sucrose
Glutamine
Anthline
Proline
Alanine
Taurine
Tyrosine
Lysine
AMP
Adenosine
Histidine
Isethionic acid
Trigonelline
DMSA
Phenylalanine
b−Alanine
b−Glutamic acid
Malic acid
Pidolic acid
UDP−GlucoSamine
Tryptophan
Serine
Guanosine
Asparagine
Citrulline
Carnitine
Adenine
Ectoine
Ornithine
Cytosine
Threonine
Methionine
Betaine
DMA
Leu/Ile
GABA
Inosine
Sarcosine
Methionine Sulfoxide
Deoxyadenosine
Homoserine
APA
Cysteic acid
Sulfolactic acid
Acetyl−L−carnitine
Creatine
Allopurinol
Acetobetaine
Dexpanthenol
O−Propionylcarnitine
Vit B1
Anthathe
Butyryl−L−carnitine
Kynurenine
Sulfatol
Hypotaurine
b
Leucine
TMAP
Gonyol
DHPS
Uridine
Choline
SAM
Trehalose
GPP
Cytidine
Proline betaine
Thymidine
Vit B2
Cystathionine
MTA
Argininosuccinate
SAH
N−acetyltaurine
c
Glucosylglycerol
N(e)−Acetyl−Lysine
Gluconic acid