

Pacific Bottlenose Dolphin Blubber

Nontargeted biomonitoring of halogenated organic compounds in two ecotypes of bottlenose dolphins (*Tursiops truncatus*) from the Southern California Bight

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Web Reference: <http://OrgMassSpec.github.io>

Prepared: 2015-02-24 16:14:24
SpecLibDolphin2014 version 0.1-3
OrgMassSpecR version 0.4-4
R version 3.1.0 (2014-04-10)

Name: chlordane related 1

Class: Chlordane-related

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1201.66, 1.181

Elemental Formula: C₁₀H₆Cl₆

Ecotype: coastal

Quantitative Ion m/z: 238

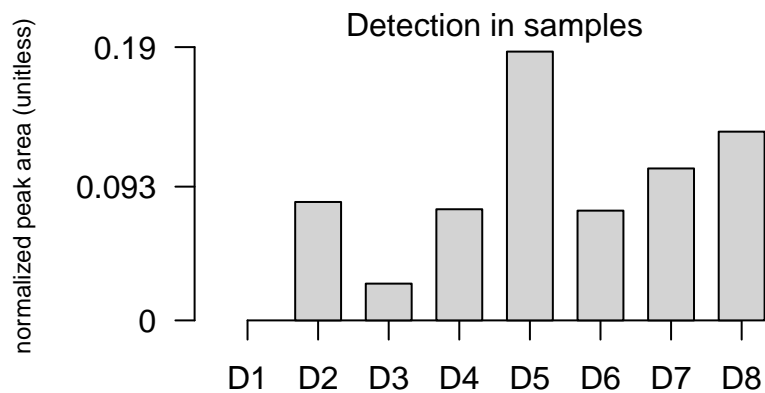
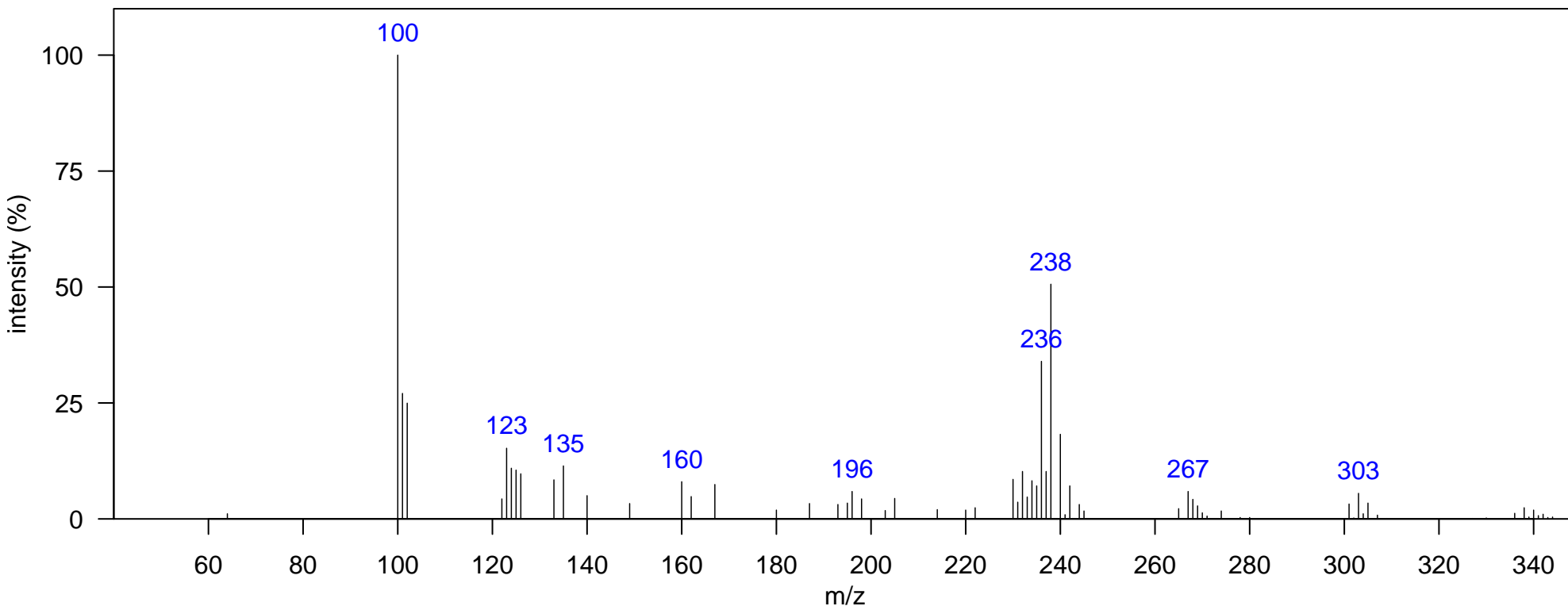
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: chlordane related 1

Identification: Manual

Comment:



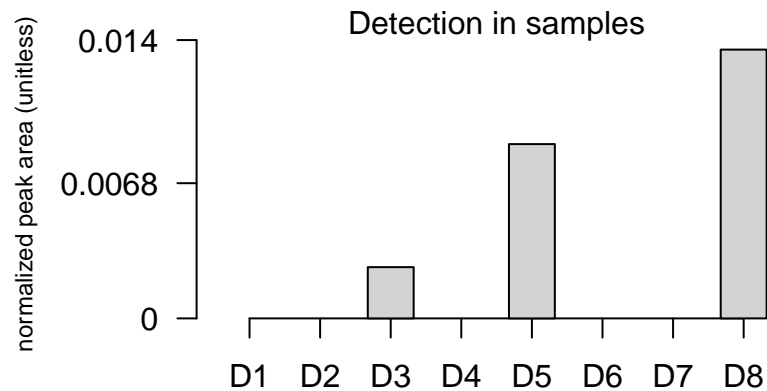
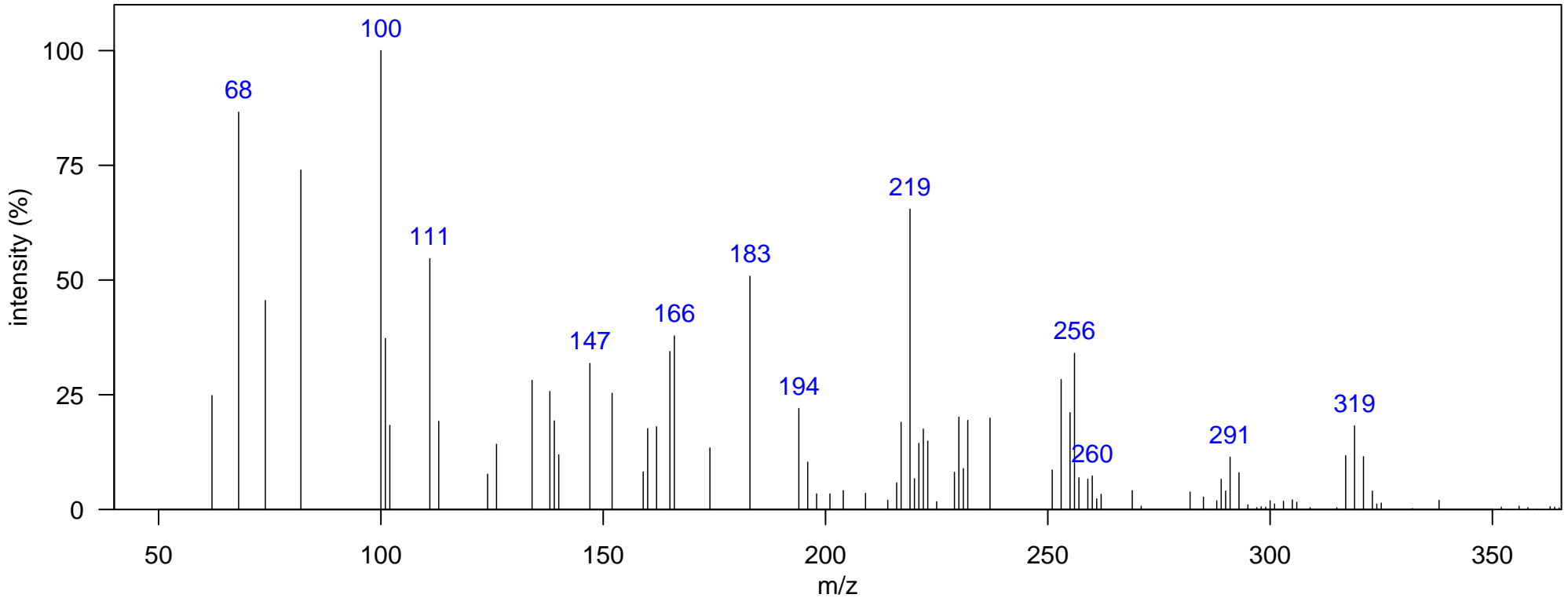
m/z [Fragment]
236 [C ₅ HCl ₅] ⁺
265 [M-HCl ₃] ⁺
301 [M-Cl] ⁺
336 M ⁺

Name: hydroxychlordene

Class: Chlordane-related

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1201.66, 1.201
Ecotype: coastal Quantitative Ion m/z: 319
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: 1-hydroxychlordene
Comment:

Elemental Formula: C₁₀H₆Cl₆O
Source: anthropogenic
Identification: Reference Database MS



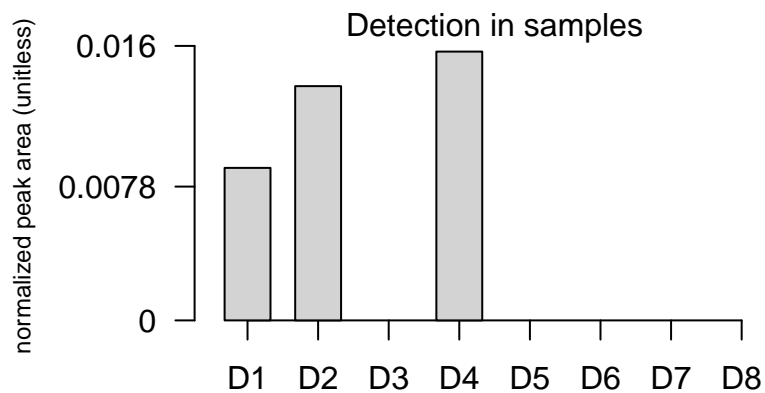
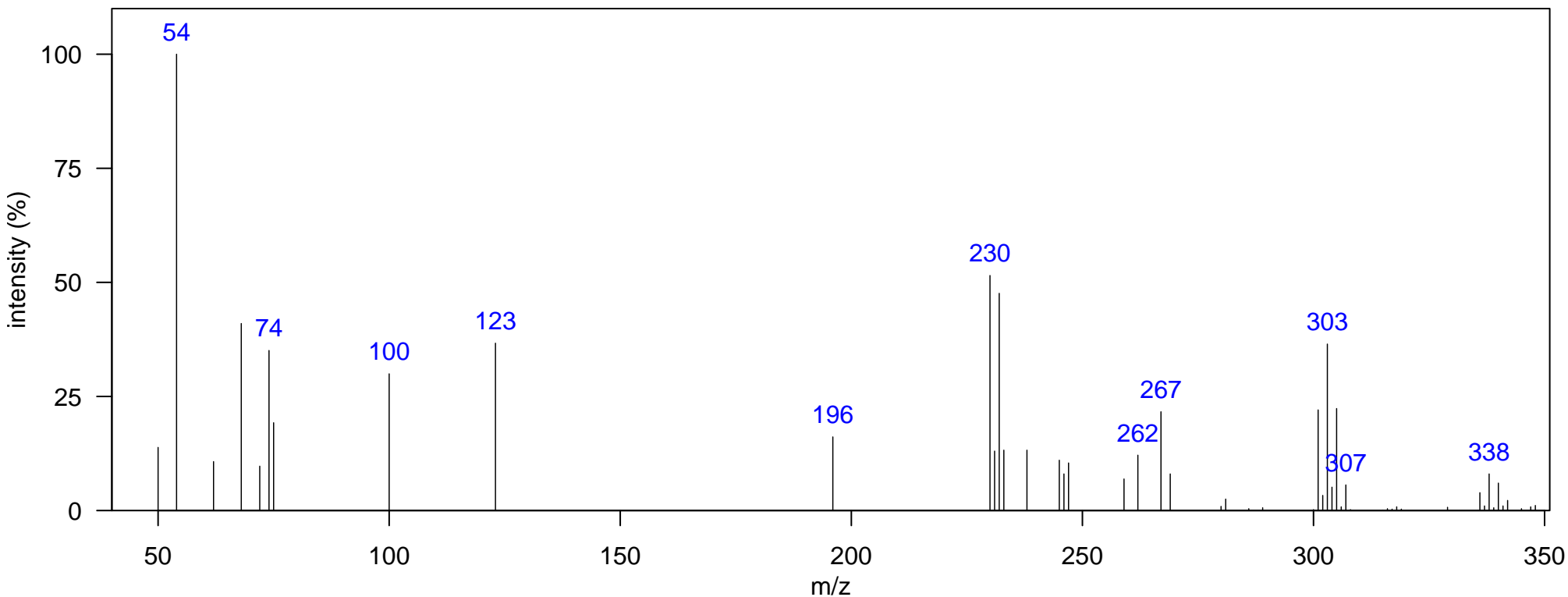
m/z [Fragment]
317 [M-Cl] ⁺

Name: chlordane related 2

Class: Chlordane-related

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1226.14, 1.208
Ecotype: offshore Quantitative Ion m/z: 303
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: gamma-chlordene
Comment: gamma-chlordene

Elemental Formula: C₁₀H₈Cl₆
Source: anthropogenic
Identification: Reference Database MS



m/z [Fragment]
230 [M-H3Cl3]+
301 [M-Cl]+
336 M+

Name: chlordane related 3

Class: Chlordane-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1261.12, 1.274

Elemental Formula: C₁₀H₈Cl₆

Ecotype: coastal

Quantitative Ion m/z: 305

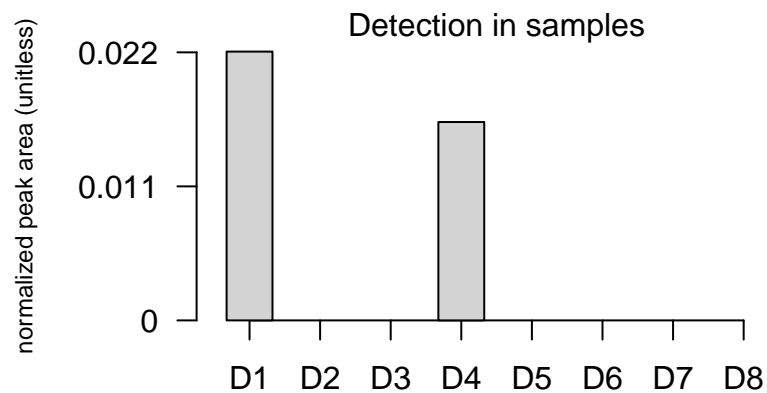
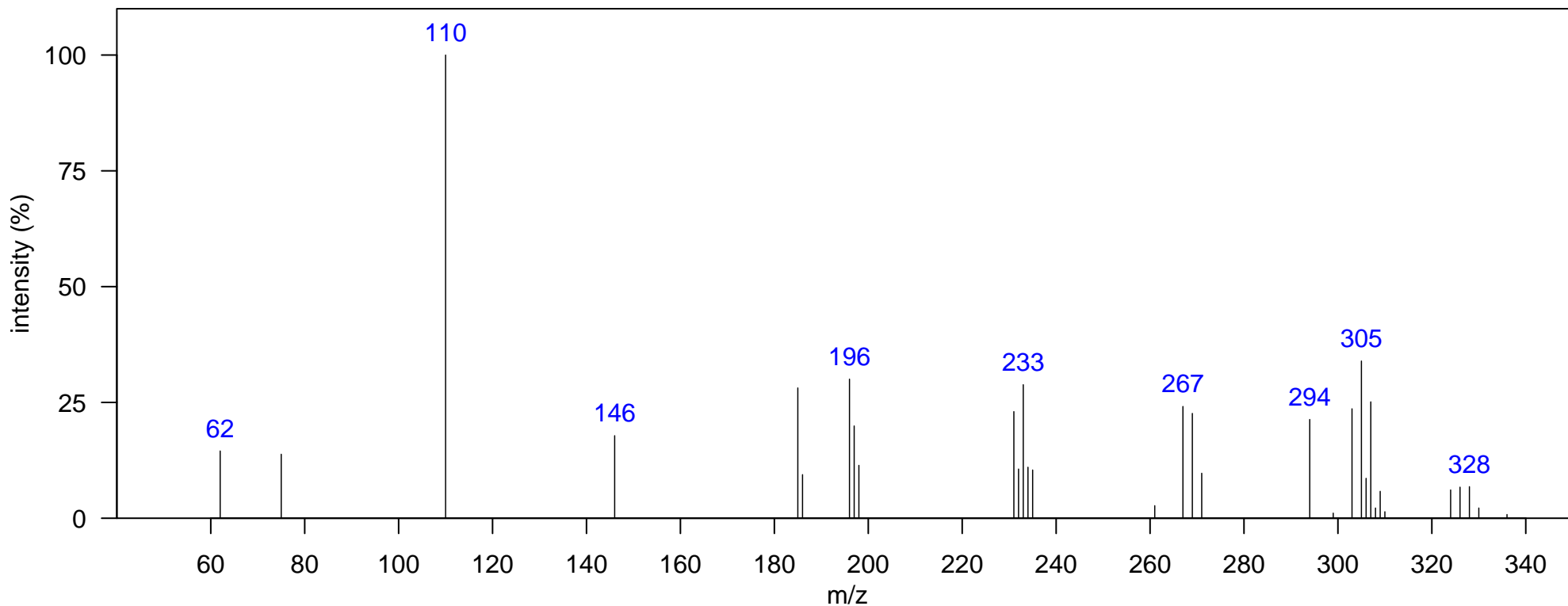
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: chlordane related 3

Identification: Manual

Comment:



m/z [Fragment]
196 [Frag-H ₂ Cl ₂]
231 [Frag-H ₂ Cl ₂] ⁺
267 [Frag-HCl] ⁺
303 [Frag] ⁺ Contains 5Cl

Name: chlordene 1

Class: Chlordane-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1439.52, 0.957

Elemental Formula: C₁₀H₆Cl₆

Ecotype: coastal

Quantitative Ion m/z: 232

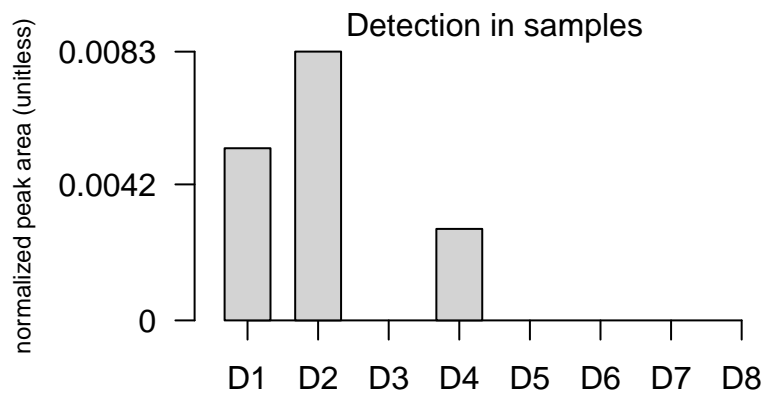
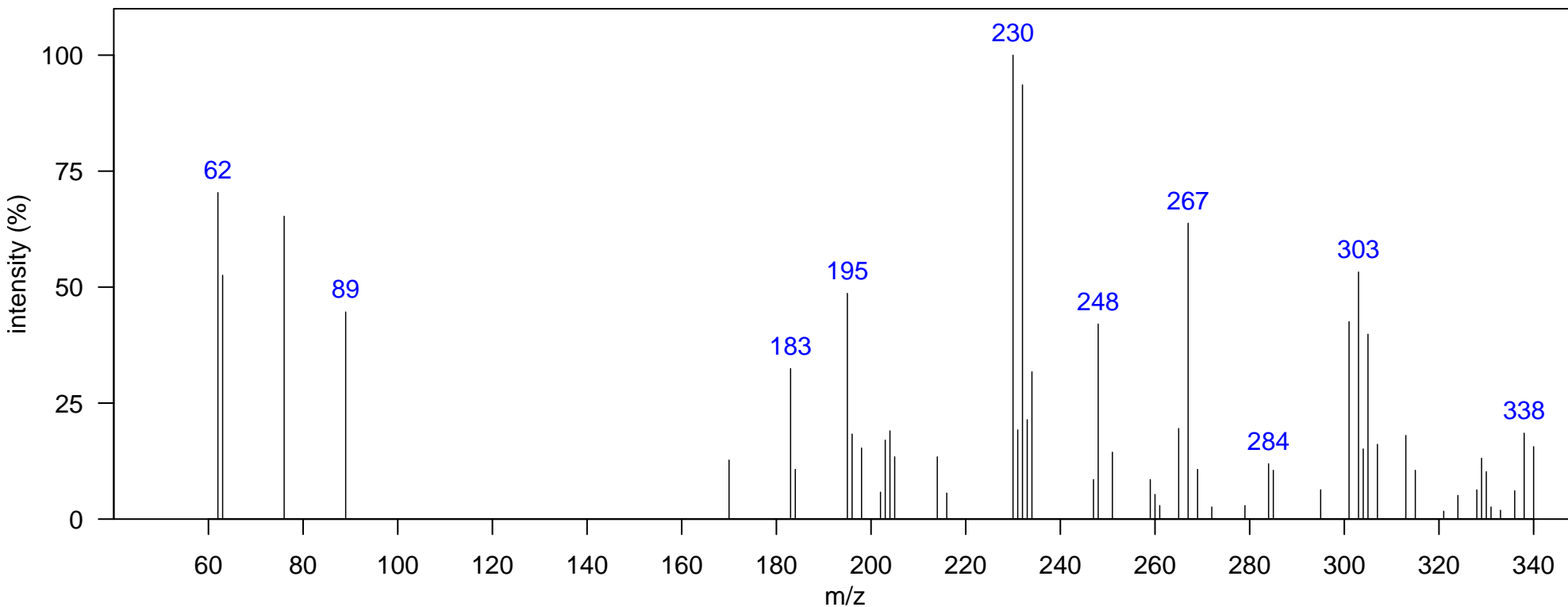
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Reference Database MS

Comment: chlordene



m/z [Fragment]
230 [M-HCl ₃] ⁺
301 [M-Cl] ⁺
336 M ⁺

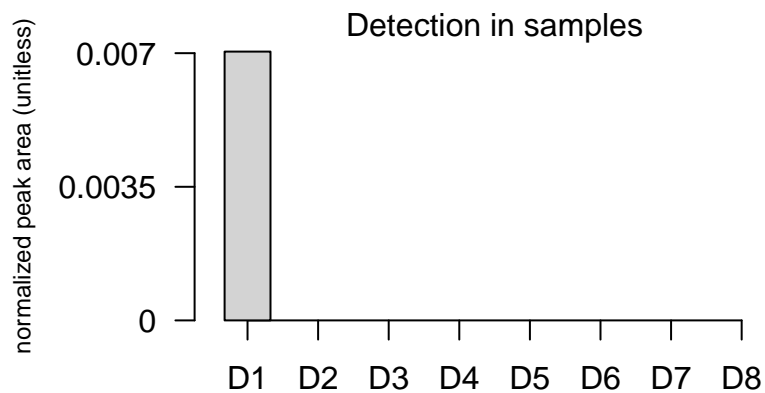
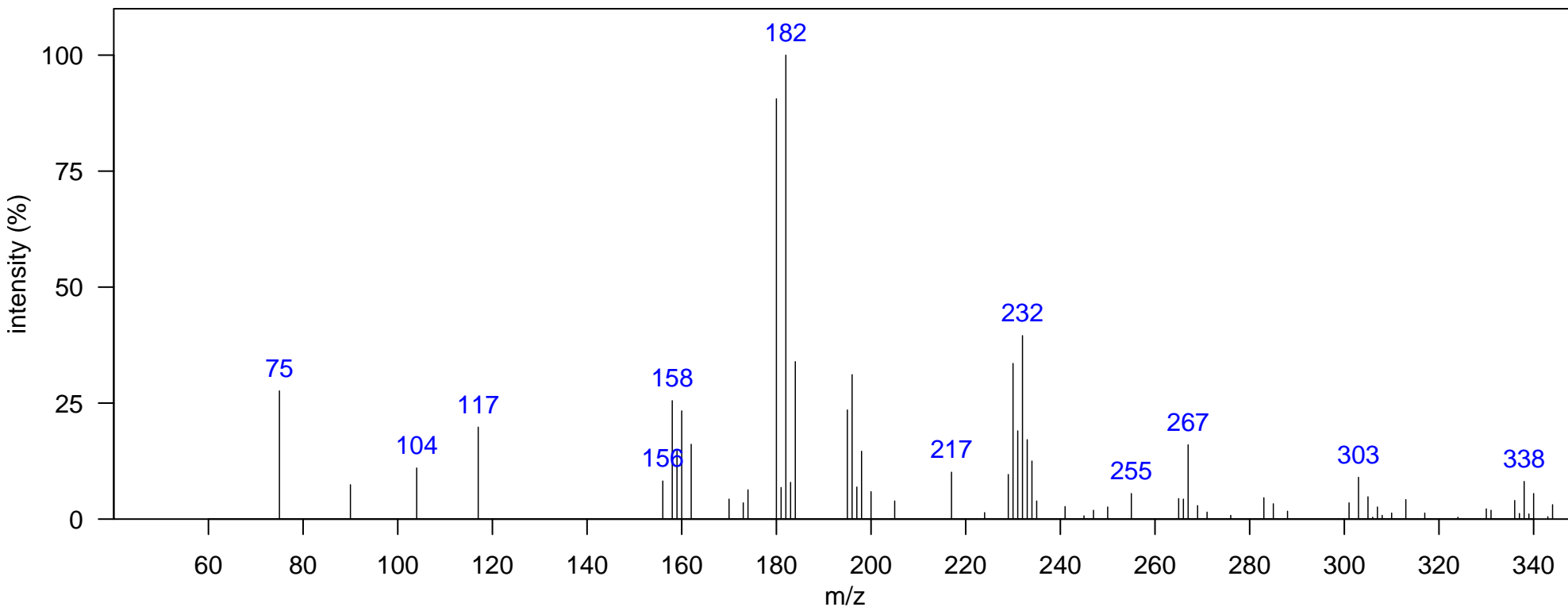
Name: chlordene 2

Class: Chlordane-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1446.52, 0.95
Ecotype: coastal
Instrument: GCxGC-TOF, EI, 70 eV
Comment: chlordene (isomer)

Quantitative Ion m/z: 232
Atlantic Lib:

Elemental Formula: C₁₀H₆Cl₆
Source: anthropogenic
Identification: Reference Database MS



m/z [Fragment]
230 [M-HCl ₃] ⁺
301 [M-Cl] ⁺
336 M ⁺

Name: chlordane related 4

Class: Chlordane-related

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 1264.62, 1.195

Elemental Formula: C₁₀H₇Cl₇

Ecotype: coastal

Quantitative Ion m/z: 339

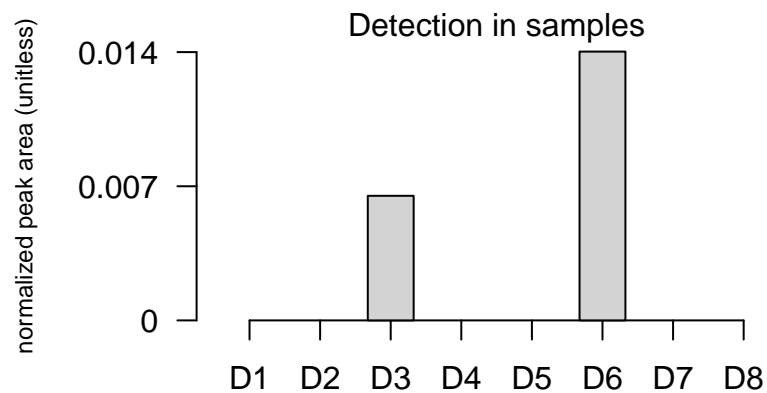
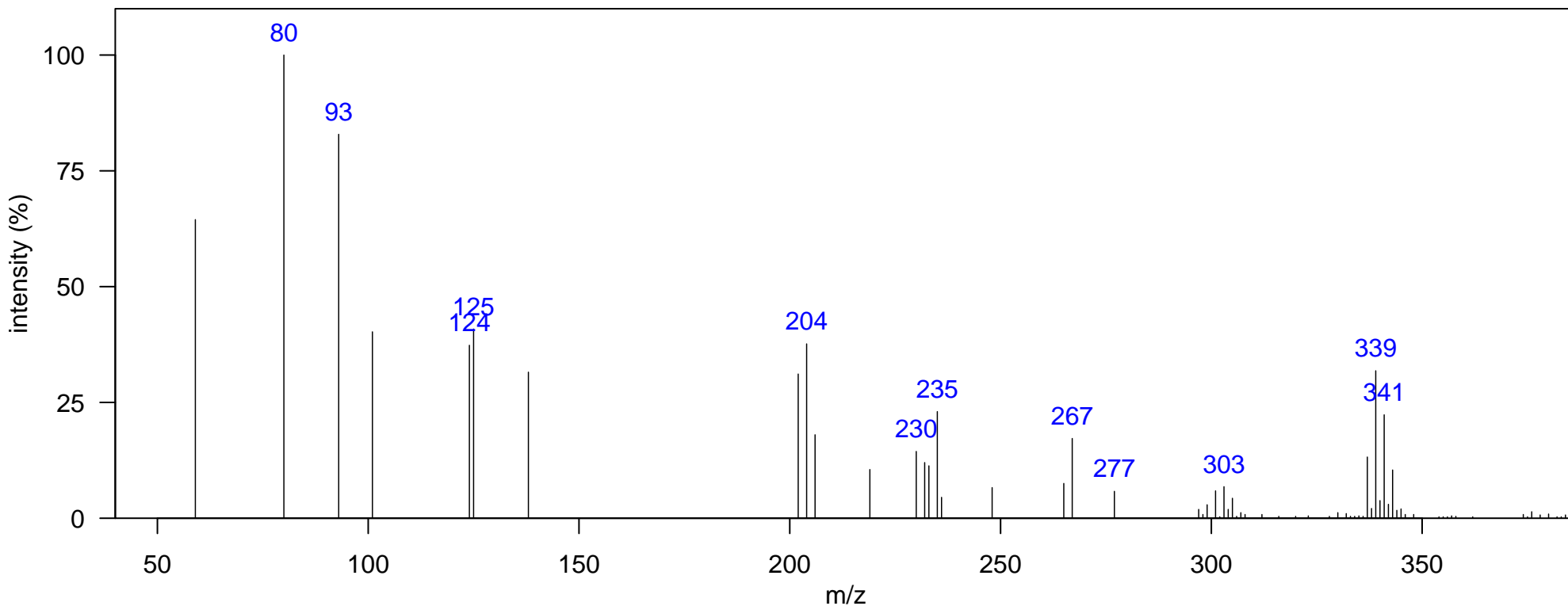
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: chlordane related 4

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
202 [C ₅ H ₂ Cl ₄] ⁺
301 [M-HCl ₂] ⁺
337 [M-Cl] ⁺
372 M ⁺

Name: chlordane related 5

Class: Chlordane-related

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1320.59, 1.32

Elemental Formula: C₁₀H₅Cl₇O

Ecotype: offshore

Quantitative Ion m/z: 353

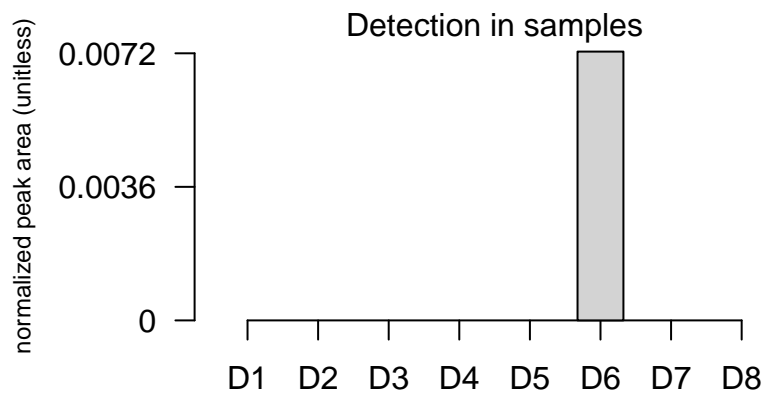
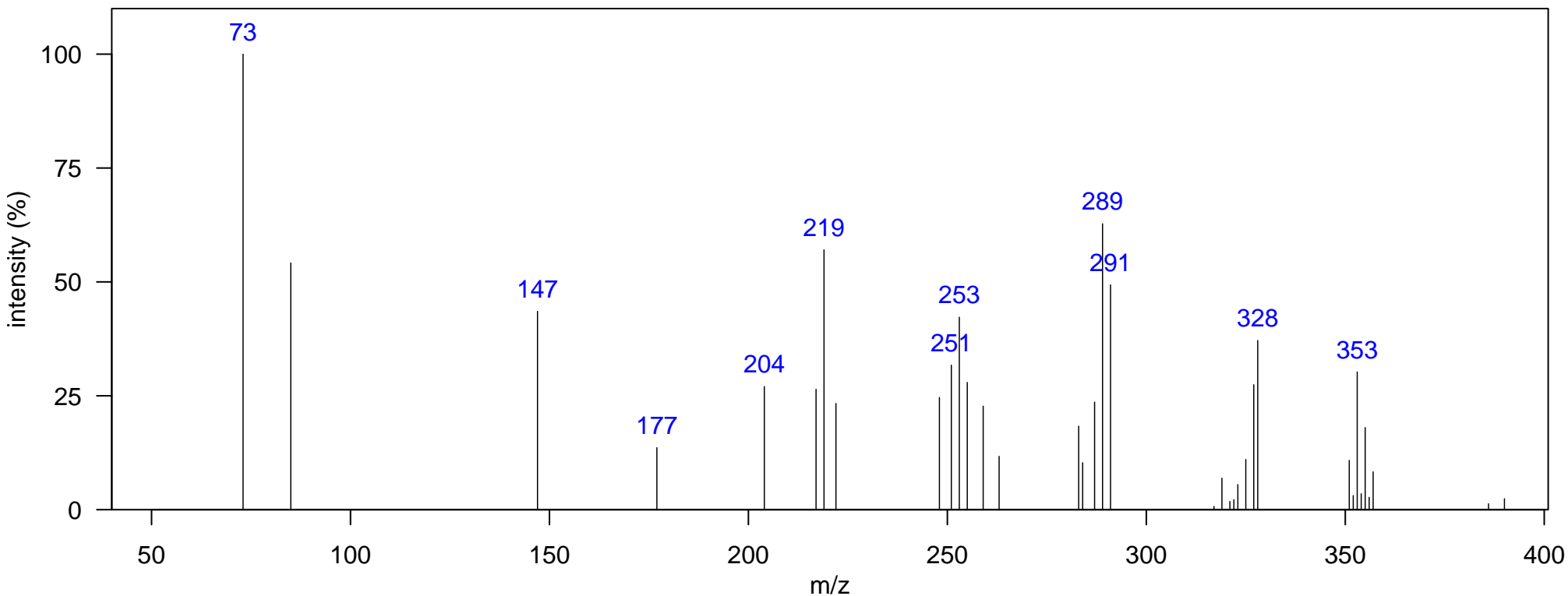
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment: oxychlordane, but 7 chlorines



m/z [Fragment]
351 [M-Cl] ⁺

Name: chlordane related 6

Class: Chlordane-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1327.58, 1.353

Elemental Formula: C₁₀H₇Cl₇

Ecotype: coastal

Quantitative Ion m/z: 339

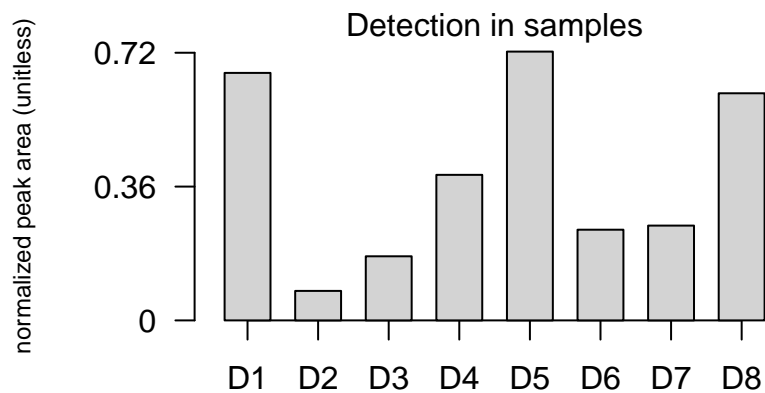
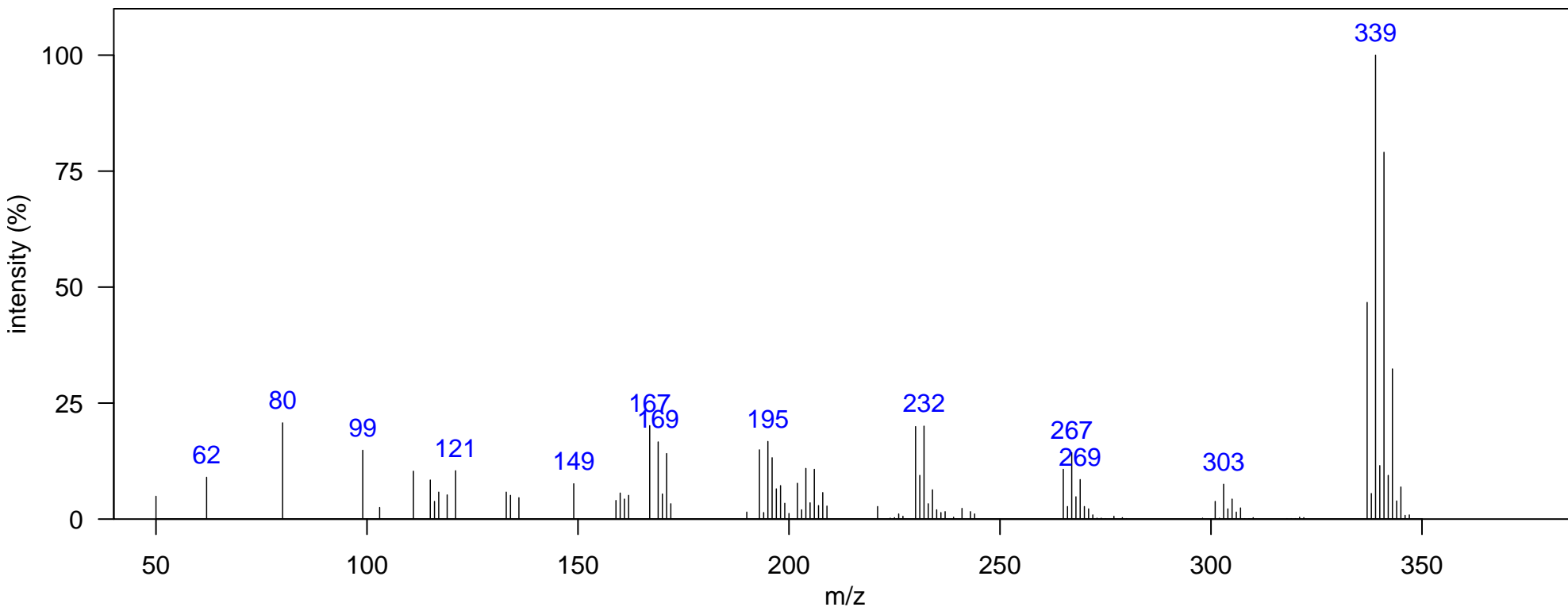
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: chlordane related 7

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
230 [M-H ₂ Cl ₄] ⁺
265 [M-H ₂ Cl ₃] ⁺
301 [M-HCl ₂] ⁺
337 [M-Cl] ⁺

Name: chlordane related 7

Class: Chlordane-related

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1450.01, 1.432

Elemental Formula: C₁₀H₇Cl₇

Ecotype: offshore

Quantitative Ion m/z: 339

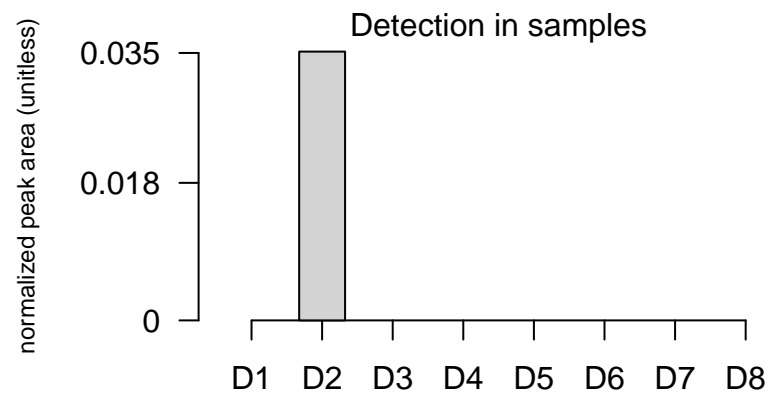
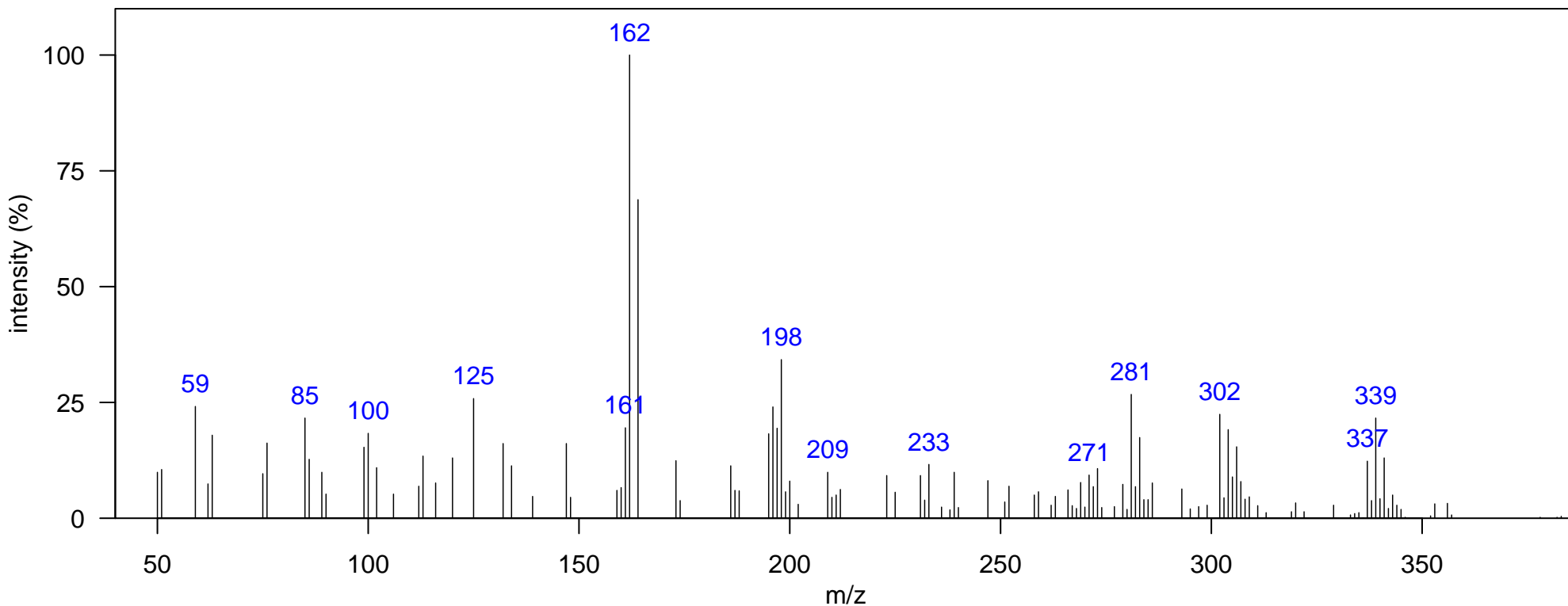
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual

Comment:



m/z [Fragment]
337 [M-Cl] ⁺

Name: chlordane related 8

Class: Chlordane-related

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1282.11, 1.181

Elemental Formula: C₁₀H₆Cl₈

Ecotype: coastal

Quantitative Ion m/z: 373

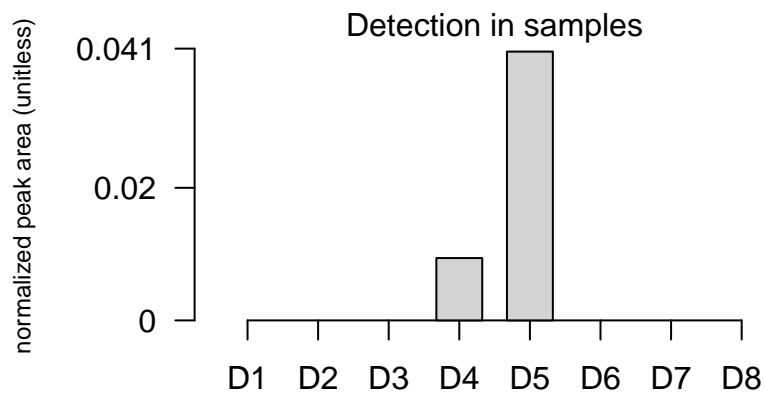
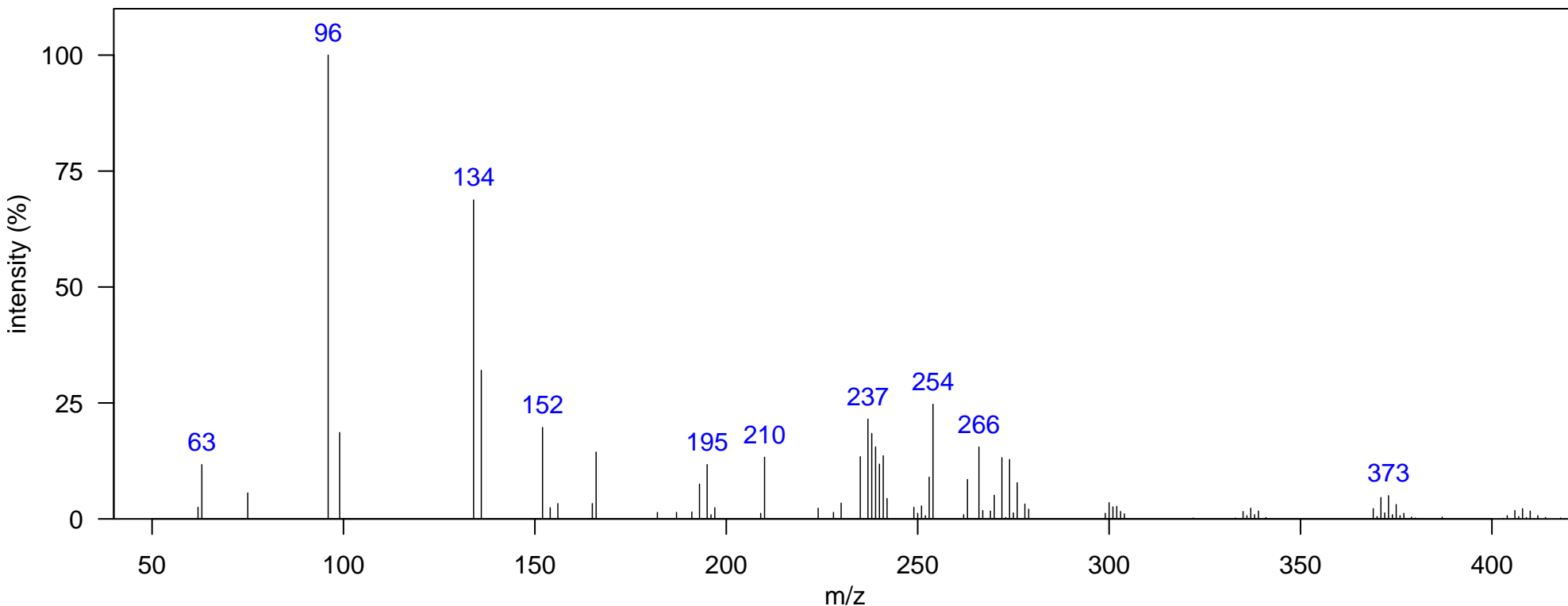
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: chlordane related 5

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
299 [M-Cl ₃] ⁺
335 [M-HCl ₂] ⁺
371 [M-Cl] ⁺
406 M ⁺

Name: chlordane related 9

Class: Chlordane-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1296.1, 1.208

Elemental Formula: C₁₀H₆Cl₈

Ecotype: coastal

Quantitative Ion m/z: 238

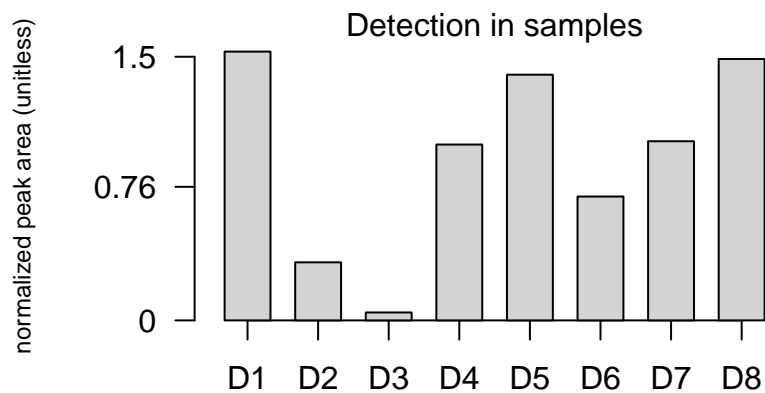
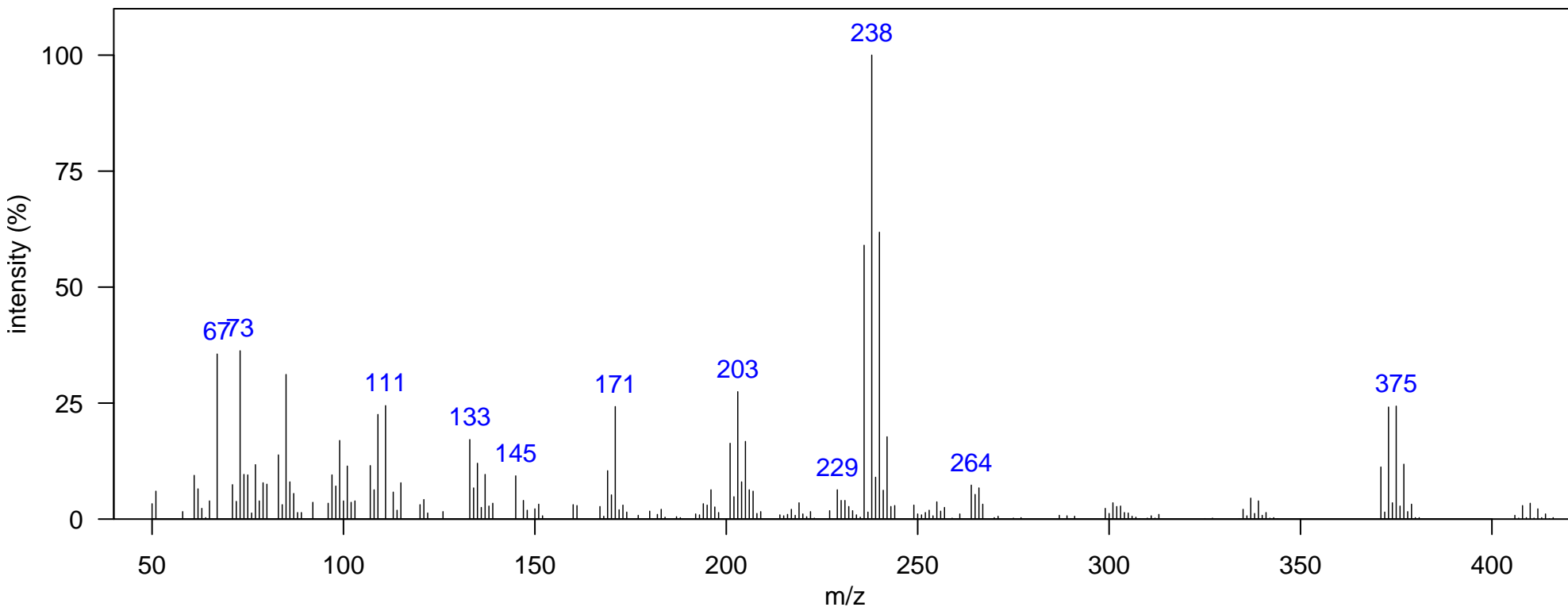
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: chlordane related 6

Identification: Manual-Congener Group

Comment: Likely to be U82, the most abundant octachloroisomer in humans (Environ. Sci. Technol., 1999, 33, 1353-8).



m/z [Fragment]
236 [C ₅ HCl ₅] ⁺
264 [M-H ₂ Cl ₃] ⁺
335 [M-HCl ₂] ⁺
371 [M-Cl] ⁺
406 M ⁺

Name: oxychlordane

Class: Chlordane-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1310.09, 1.241

Elemental Formula: C₁₀H₄Cl₈O

Ecotype: coastal

Quantitative Ion m/z: 389

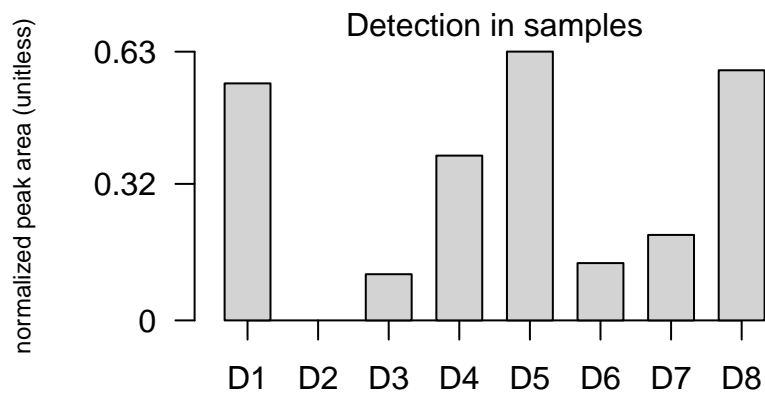
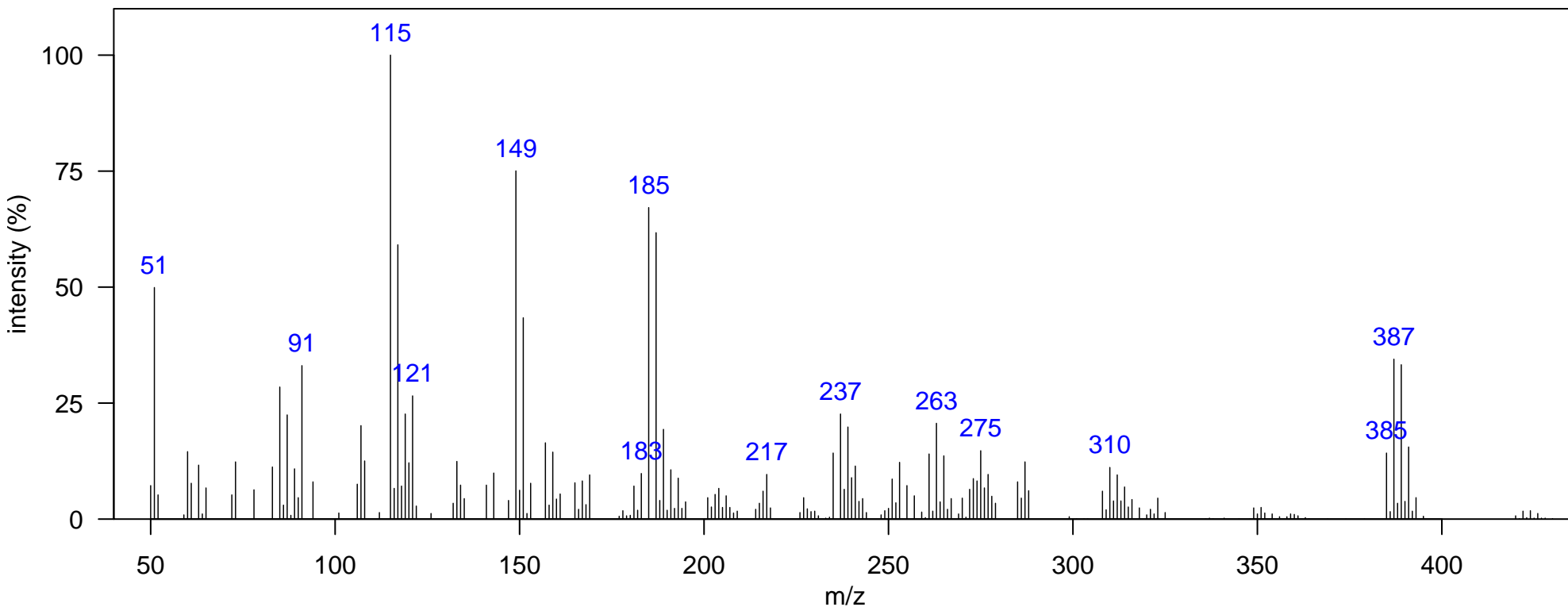
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: oxychlordane

Identification: Reference Database MS

Comment:



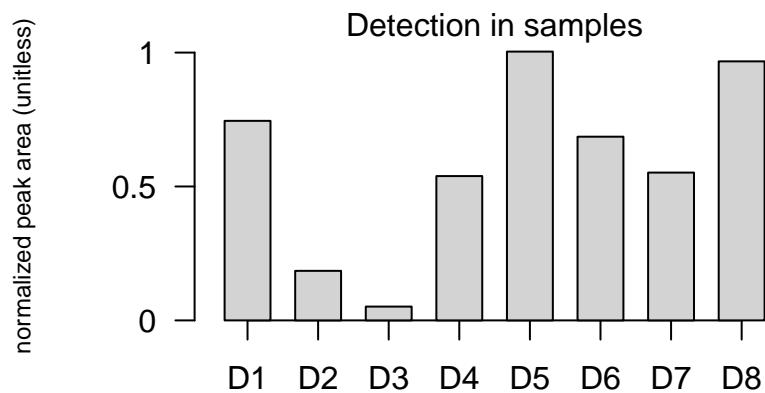
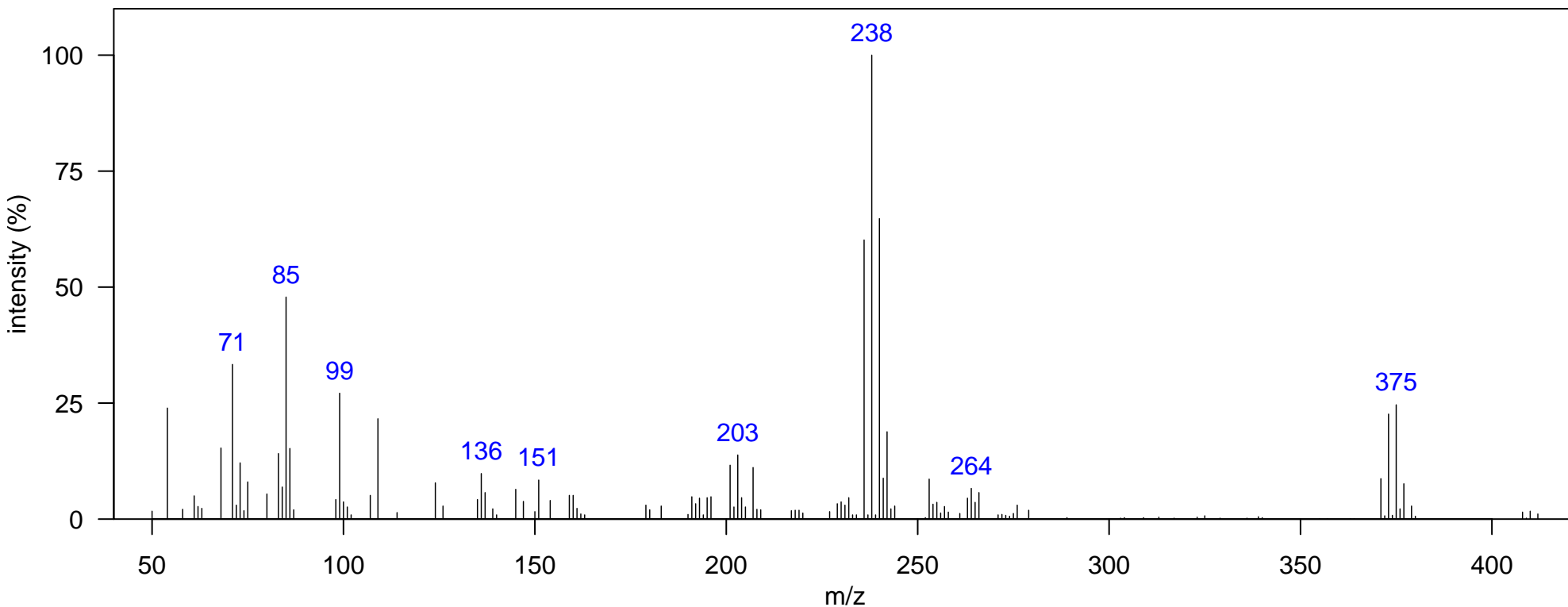
m/z [Fragment]
235 [C ₅ Cl ₅] ⁺
261 [C ₇ H ₂ Cl ₅] ⁺
349 [M-HCl ₂] ⁺
385 [M-Cl] ⁺
420 M ⁺

Name: chlordane related 10

Class: Chlordane-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1324.09, 1.241
Ecotype: coastal Quantitative Ion m/z: 238
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: chlordane related 8
Comment: m/z 373 ion cluster in peak apex, but poor spectra in peak true

Elemental Formula: C₁₀H₆Cl₈
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
236 [C ₅ HCl ₅] ⁺
371 [M-Cl]
406 M ⁺

Name: gamma chlordane

Class: Chlordane-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1338.08, 1.34

Elemental Formula: C₁₀H₆Cl₈

Ecotype: coastal

Quantitative Ion m/z: 375

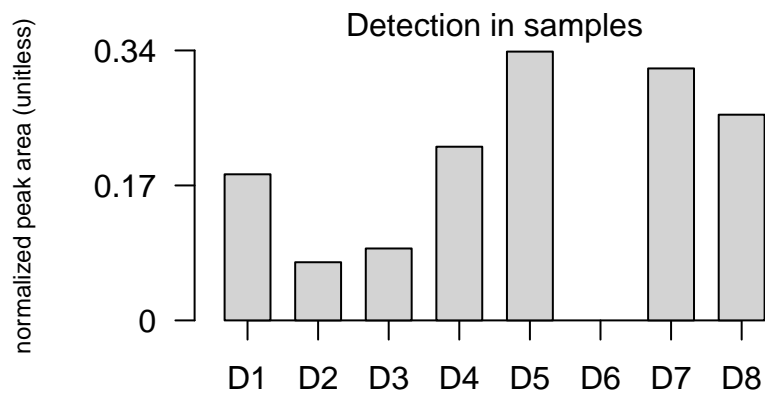
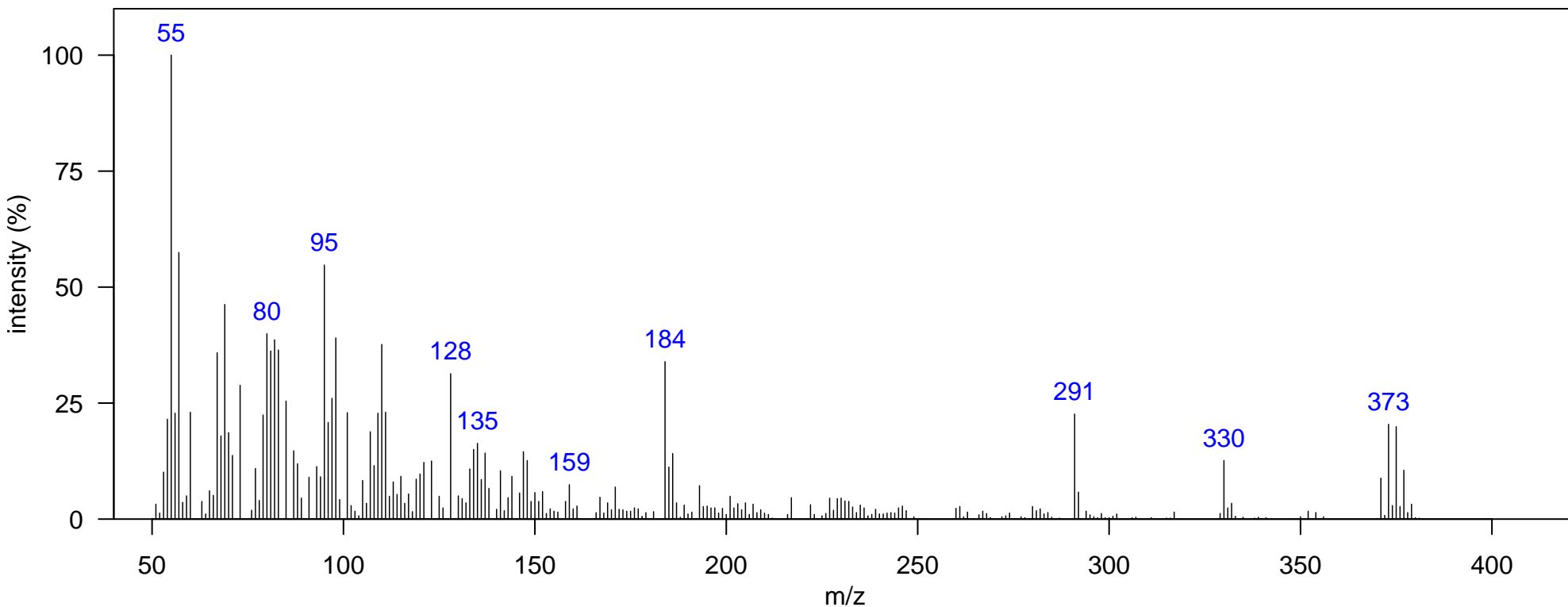
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: gamma-chlordane

Identification: Authentic MS RT

Comment:



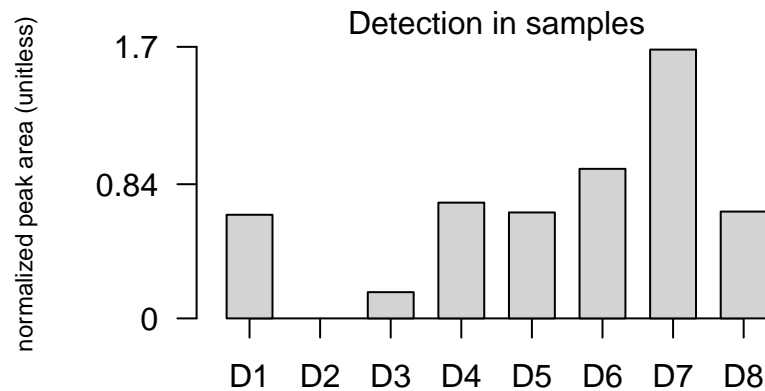
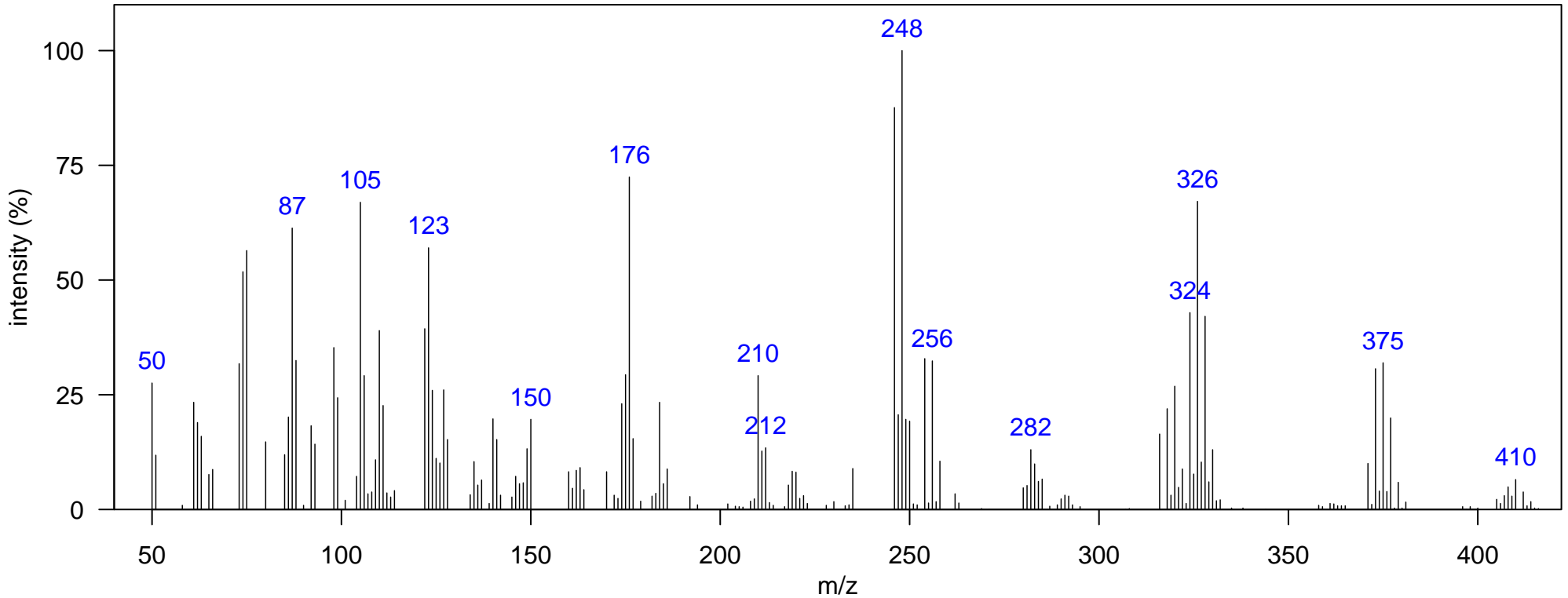
m/z [Fragment]
371 [M-Cl] ⁺

Name: alpha chlordane

Class: Chlordane-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1352.07, 1.3
Ecotype: coastal Quantitative Ion m/z: 375
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: alpha-chlordane
Comment:

Elemental Formula: C₁₀H₆Cl₈
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]
176 DDE Interference
248 DDT Interference
324 PCB Interference
371 [M-Cl] ⁺
408 M ⁺

Name: chlordane related 11

Class: Chlordane-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1394.05, 1.373

Elemental Formula: C₁₀H₆Cl₈

Ecotype: coastal

Quantitative Ion m/z: 373

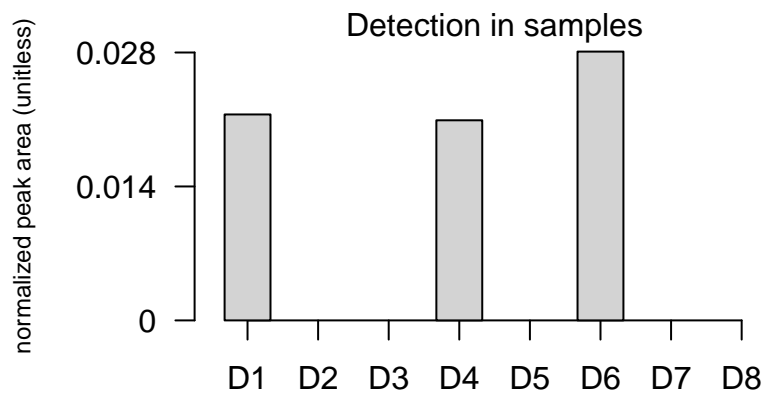
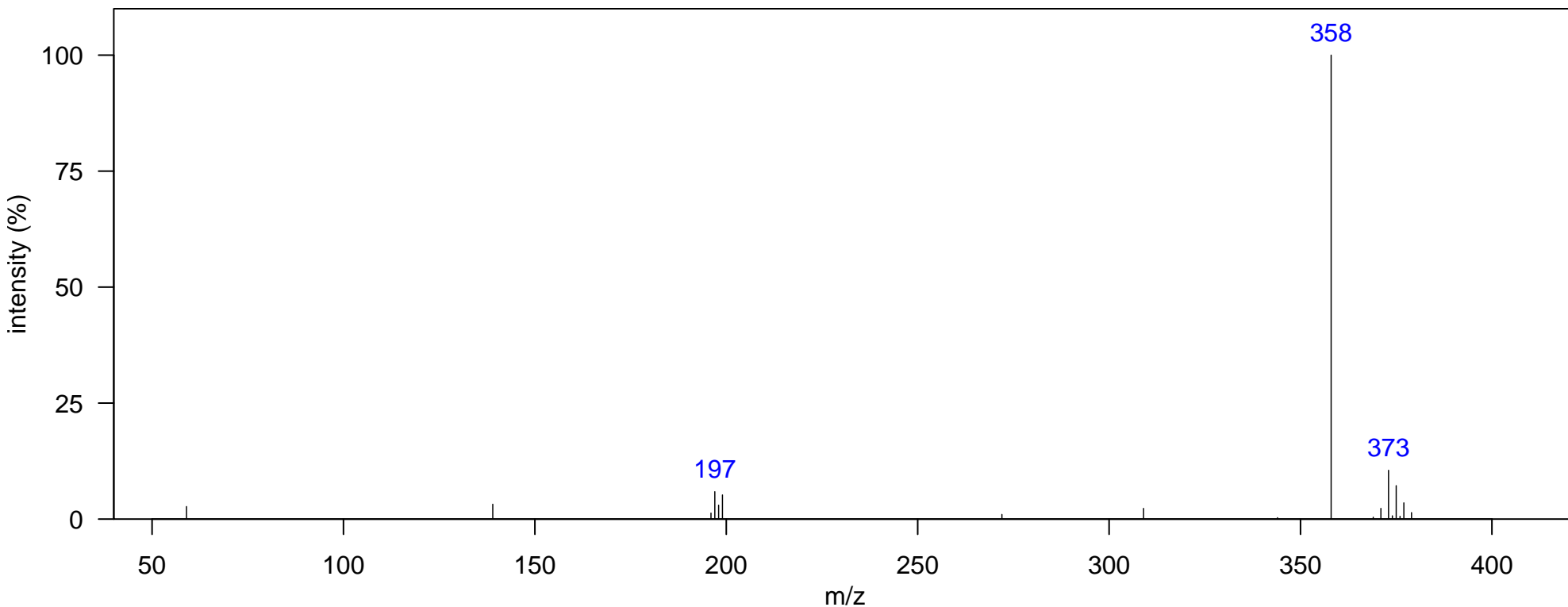
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: chlordane related 11

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
373 [M-Cl] ⁺

Name: chlordane related 12

Class: Chlordane-related

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1422.03, 1.432

Elemental Formula: C₁₀H₆Cl₈

Ecotype: coastal

Quantitative Ion m/z: 373

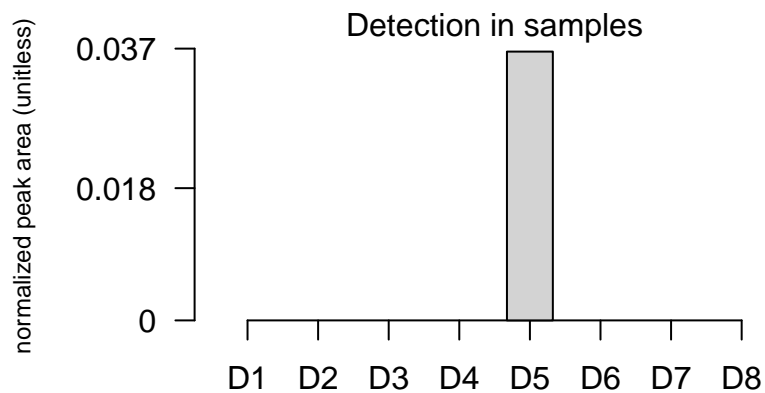
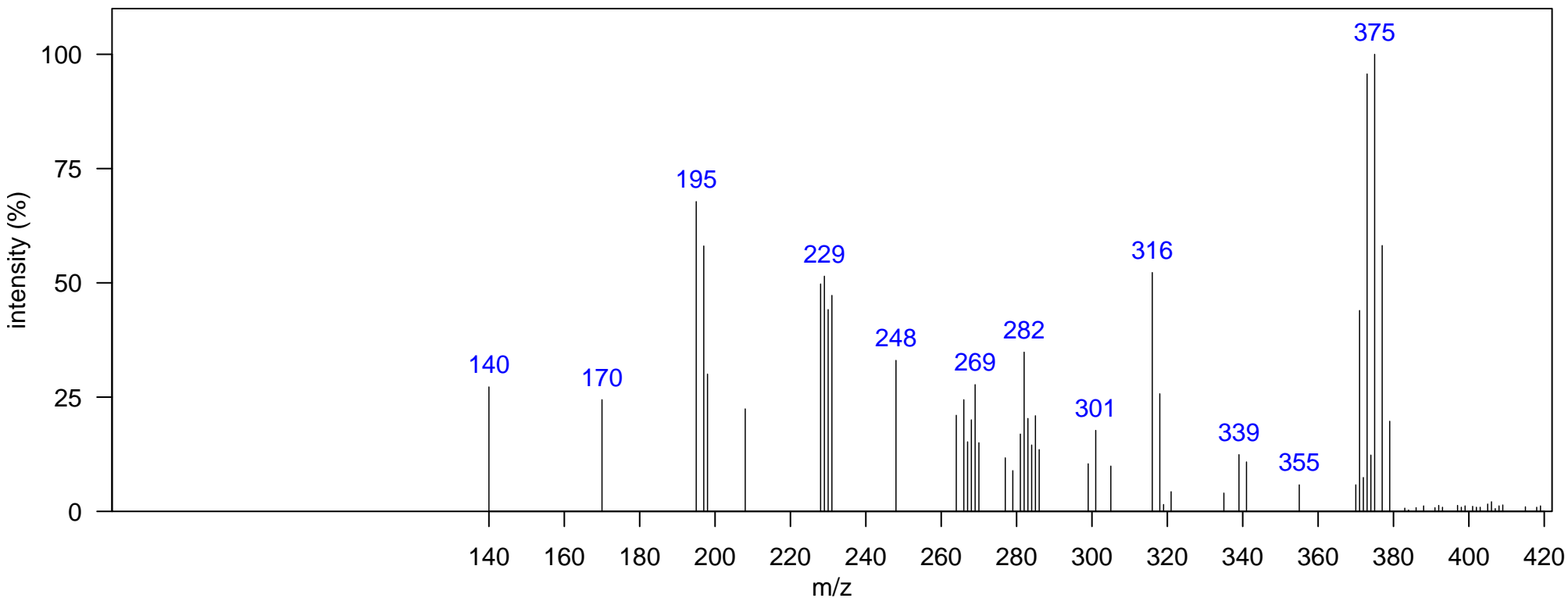
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
373 [M-Cl] ⁺

Name: chlordane related 13

Class: Chlordane-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1446.52, 1.465

Elemental Formula: C₁₀H₆Cl₈

Ecotype: coastal

Quantitative Ion m/z: 375

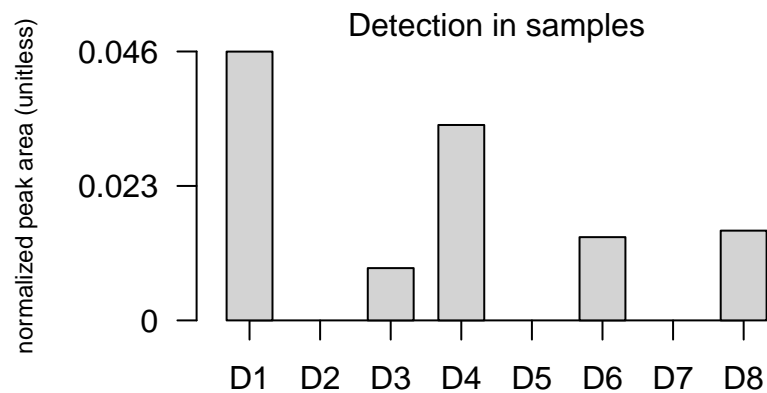
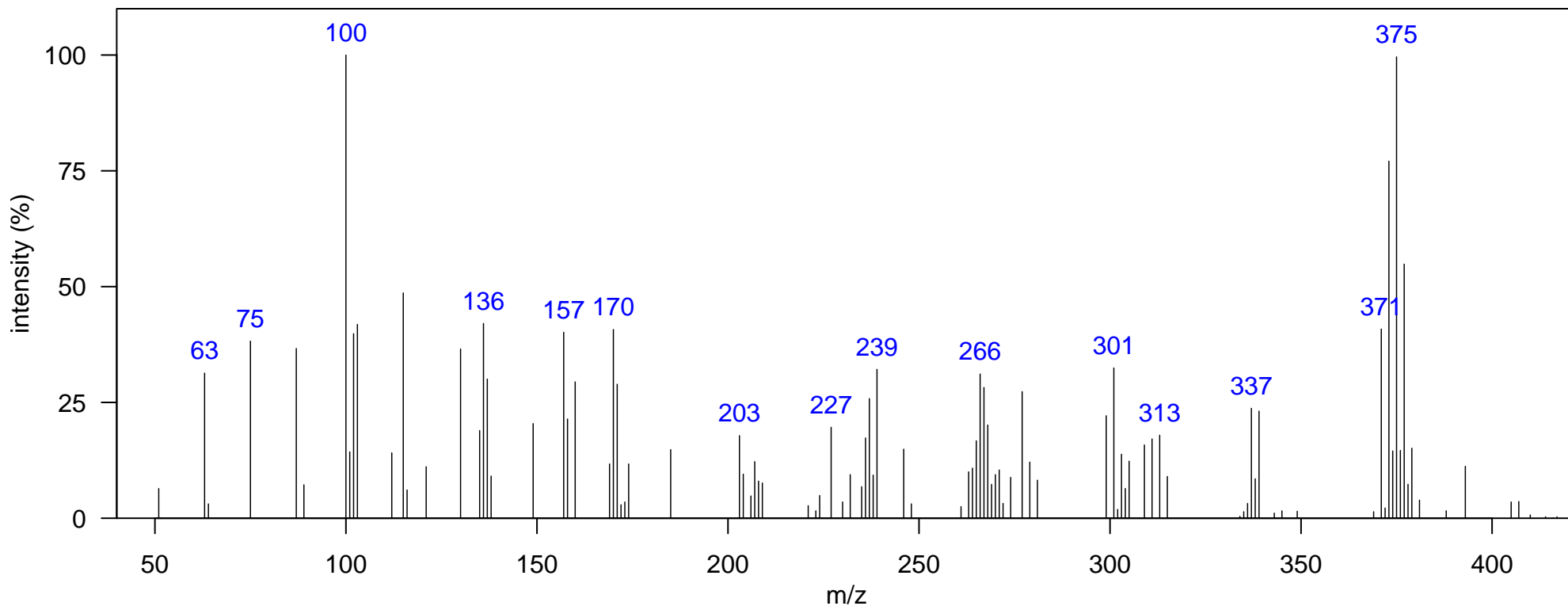
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: chlordane related 13

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
299 [M-H ₂ Cl ₃] ⁺
335 [M-HCl ₂] ⁺
371 [M-Cl] ⁺

Name: chlordane related 14

Class: Chlordane-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1408.04, 1.274

Elemental Formula: C₁₀H₄Cl₁₀

Ecotype: coastal

Quantitative Ion m/z: 443

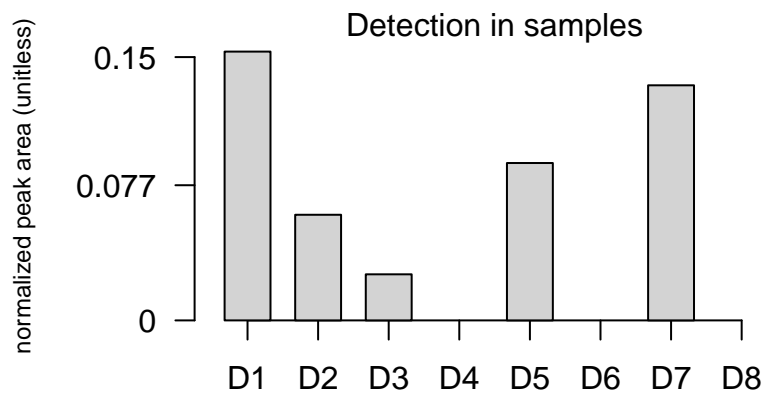
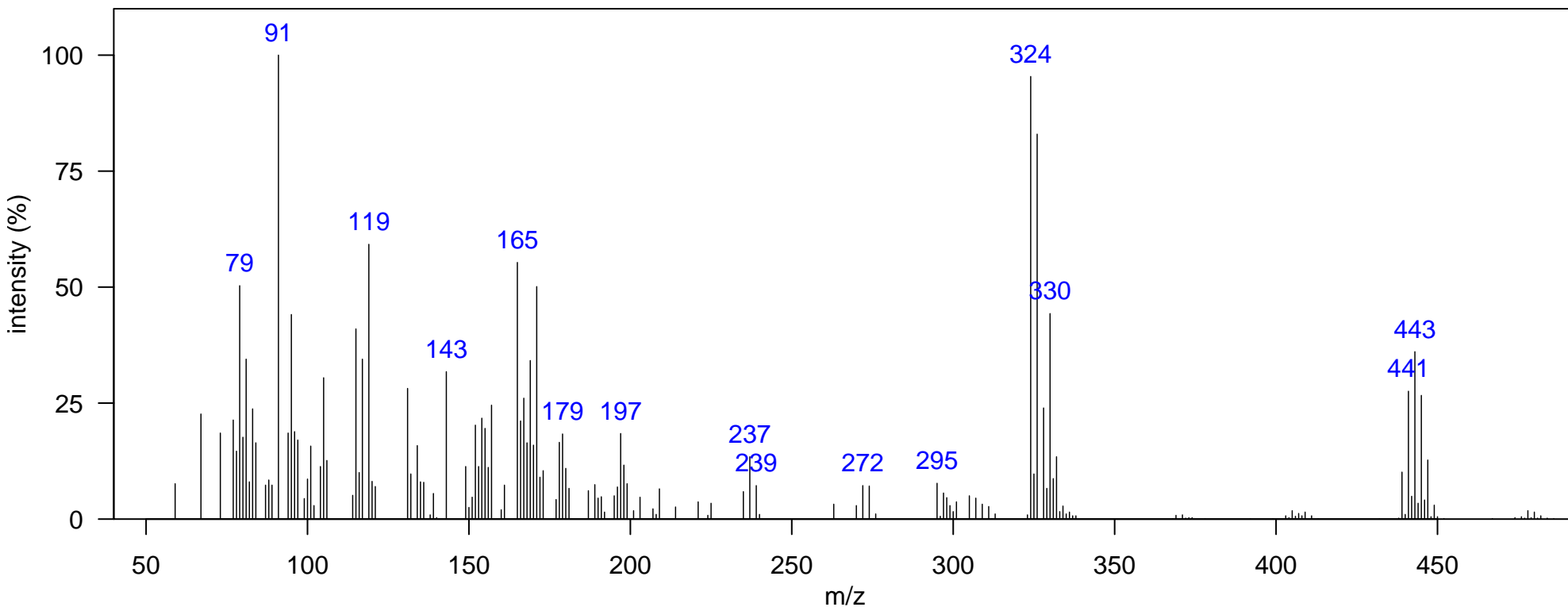
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: chlordane related 12

Identification: Manual-Congener Group

Comment:



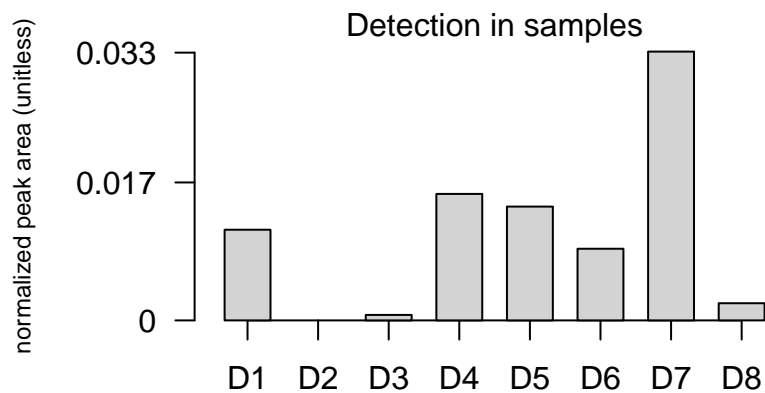
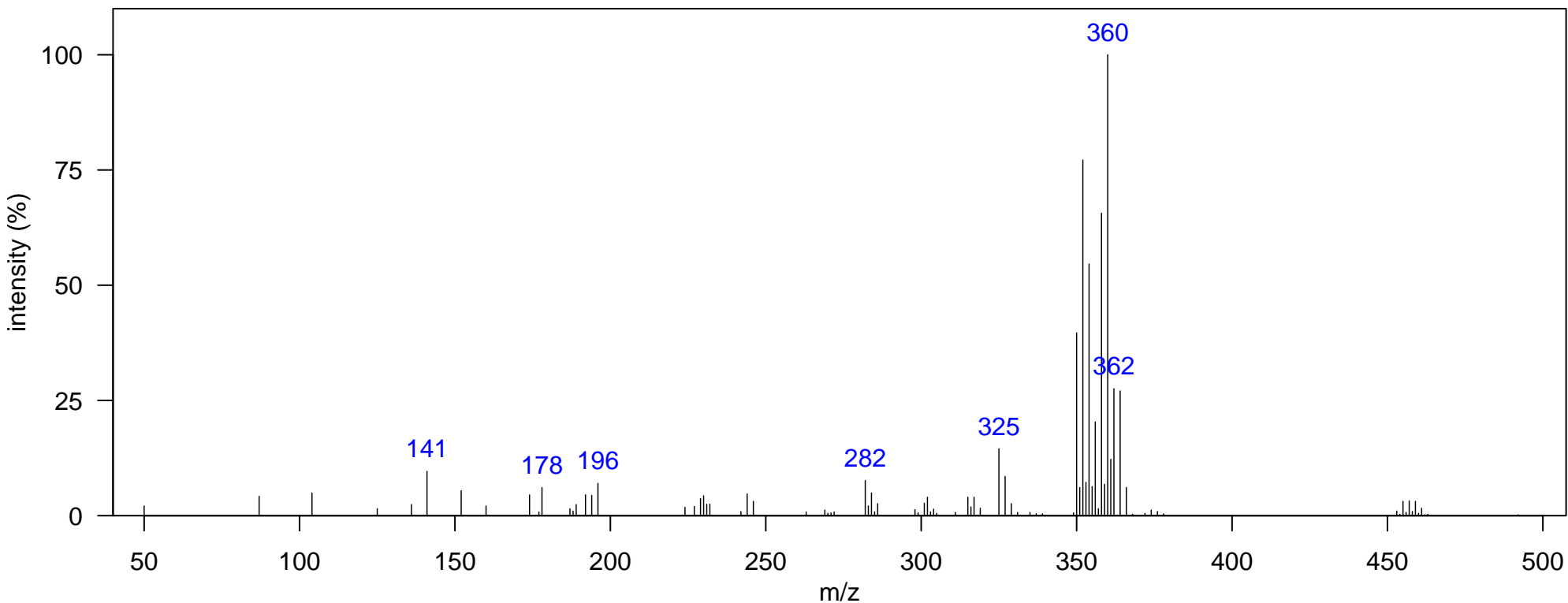
m/z [Fragment]
235 [C ₅ Cl ₅] ⁺
324 Interference
330 Interference
403 [M-HCl ₂] ⁺
439 [M-Cl] ⁺
474 M ⁺

Name: chlordane related 15

Class: Chlordane-related

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1457.01, 1.313
Ecotype: coastal Quantitative Ion m/z: 457
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: chlordane related 14
Comment: Ref: ES&T. 1991, 25, 245-254

Elemental Formula: C₁₁H₆Cl₁₀
Source: anthropogenic
Identification: Literature MS



m/z [Fragment]
360 PCB Interference
453 [M-Cl]

Name: trans nonachlor

Class: Chlordane-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1355.57, 1.274

Elemental Formula: C₁₀H₅Cl₉

Ecotype: coastal

Quantitative Ion m/z: 409

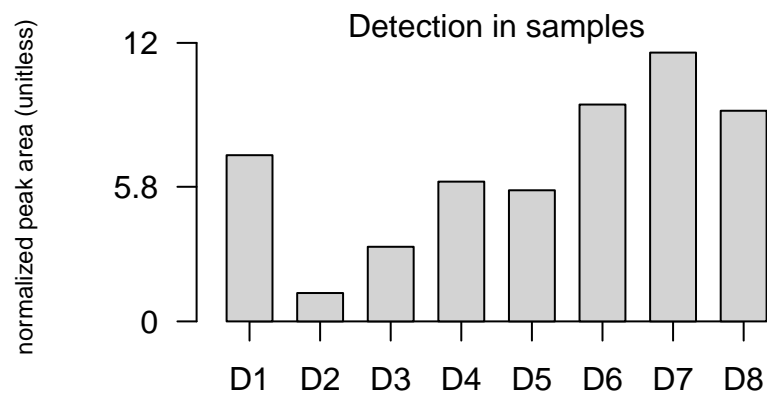
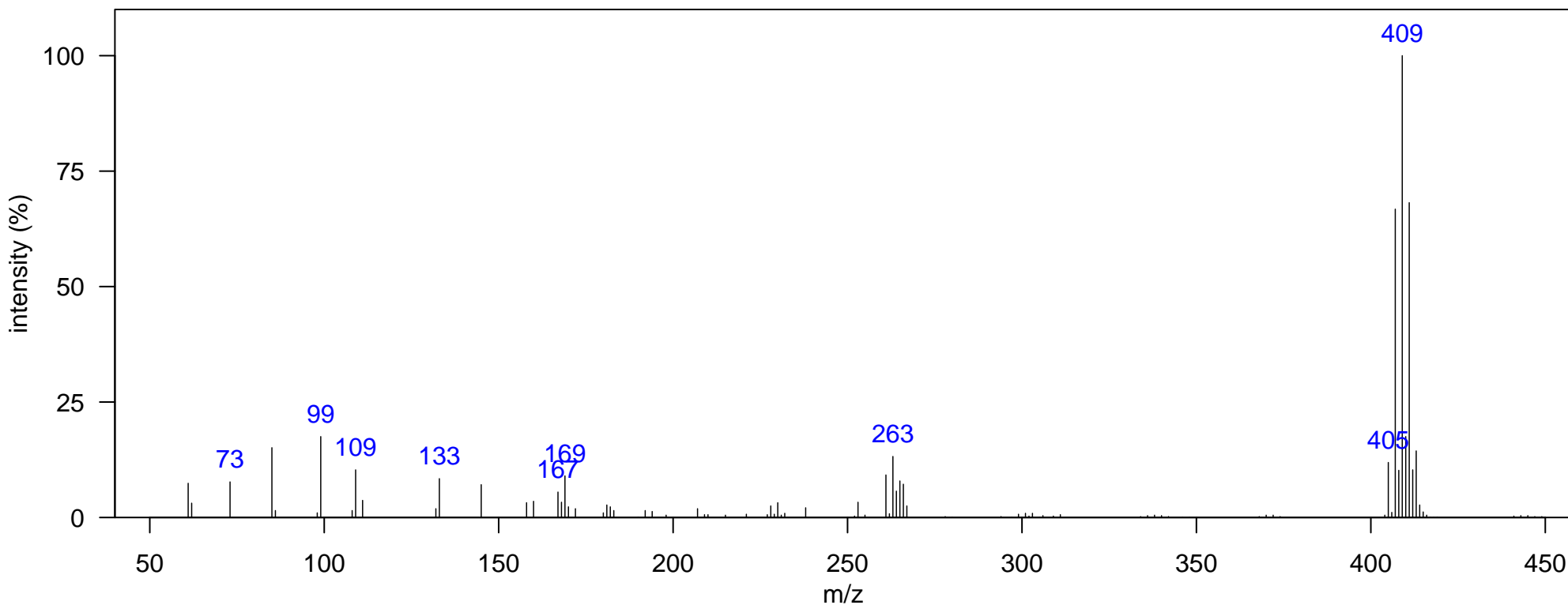
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: trans-nonachlor

Identification: Authentic MS RT

Comment:



m/z [Fragment]
261 [M-H ₄ Cl ₅] ⁺
409 [M-Cl] ⁺

Name: cis nonachlor

Class: Chlordane-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1425.53, 1.36

Elemental Formula: C₁₀H₅Cl₉

Ecotype: coastal

Quantitative Ion m/z: 409

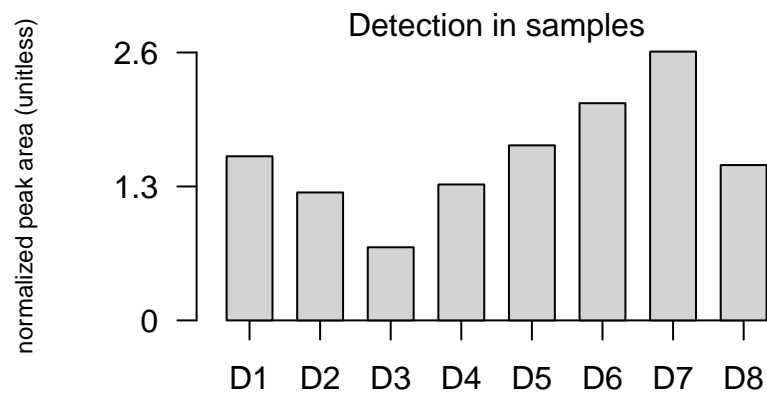
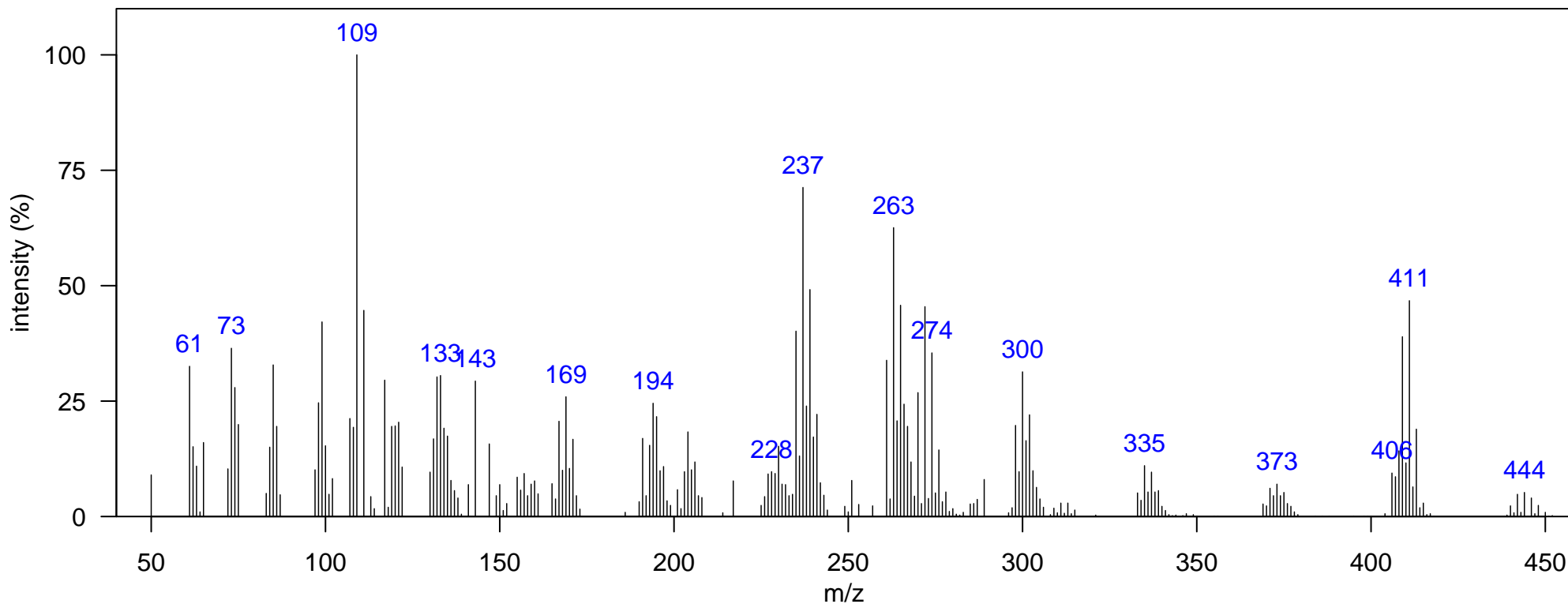
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: cis-nonachlor

Identification: Authentic MS RT

Comment:



m/z [Fragment]
270 [C ₅ Cl ₅] ⁺
369 [M-HCl ₂] ⁺
405 [M-Cl] ⁺
440 [M] ⁺

Name: heptachlor related 1

Class: Heptachlor-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1278.61, 1.201

Elemental Formula: C₁₀H₄Cl₈

Ecotype: coastal

Quantitative Ion m/z: 373

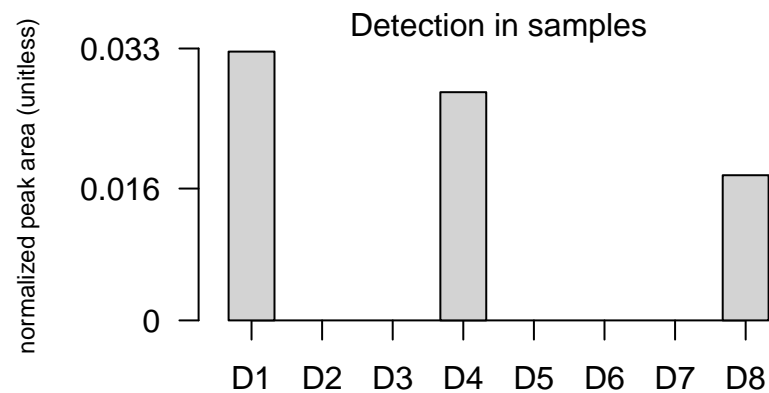
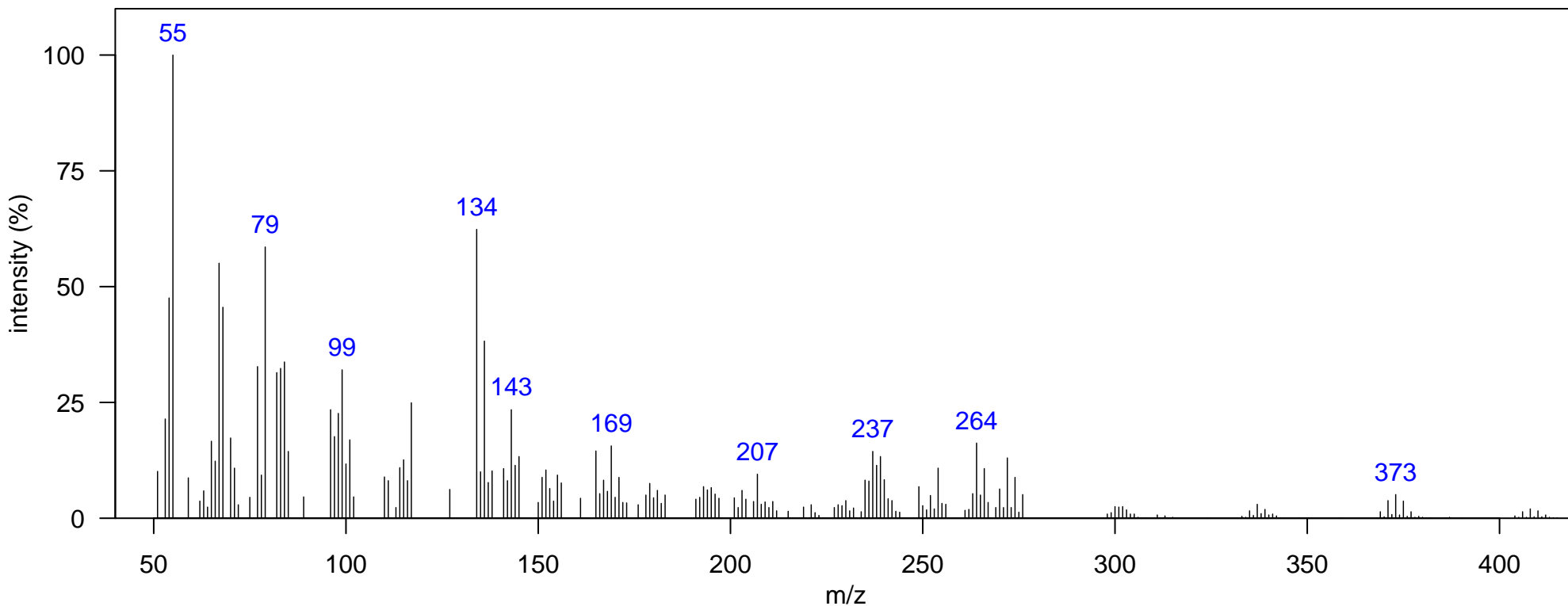
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual

Comment:



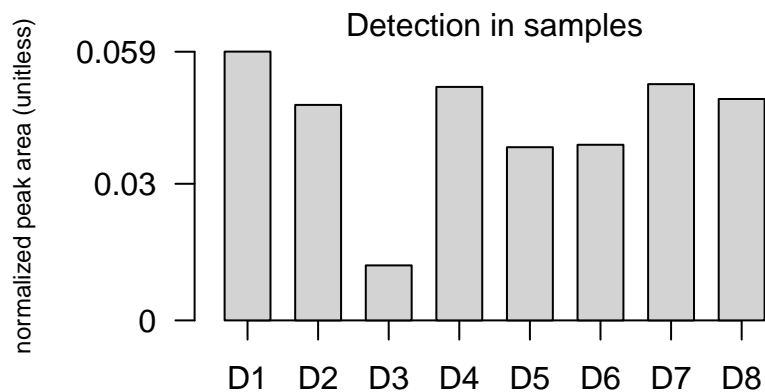
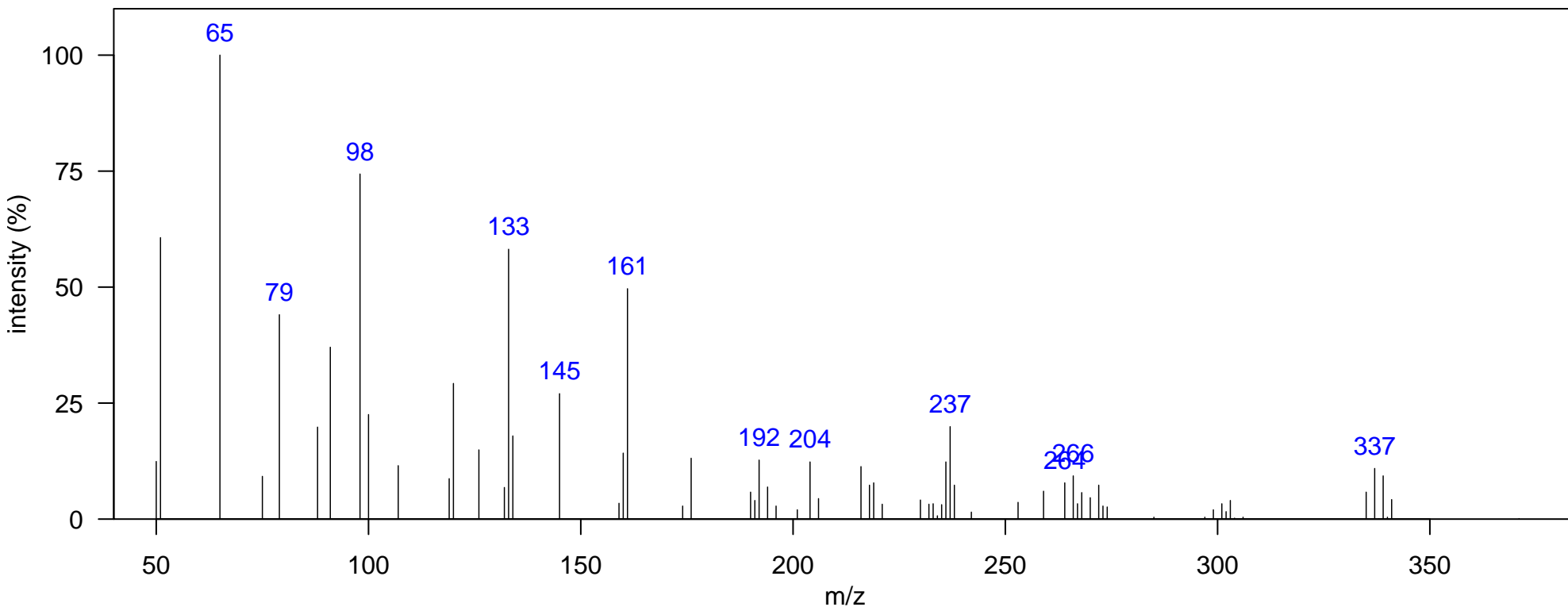
m/z [Fragment]

Name: heptachlor related 2

Class: Heptachlor-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1285.61, 1.3
Ecotype: coastal Quantitative Ion m/z: 337
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: heptachlor related 2
Comment:

Elemental Formula: C₁₀H₅Cl₇
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
264 [M-HCl ₃]
335 [M-Cl] ⁺

Name: heptachlor epoxide

Class: Heptachlor-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1306.6, 1.287

Elemental Formula: C₁₀H₅Cl₇O

Ecotype: coastal

Quantitative Ion m/z: 353

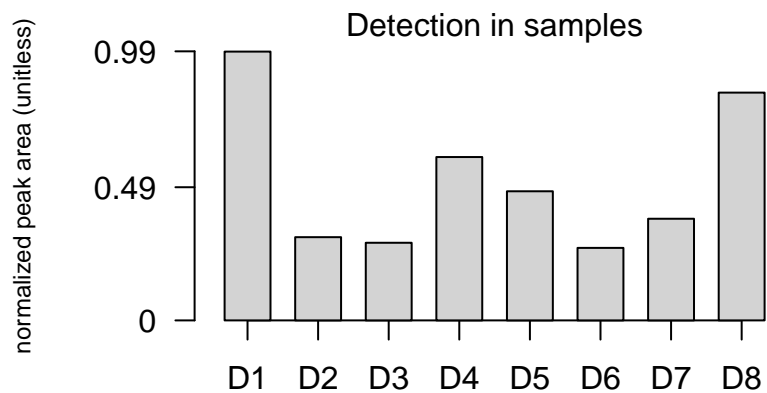
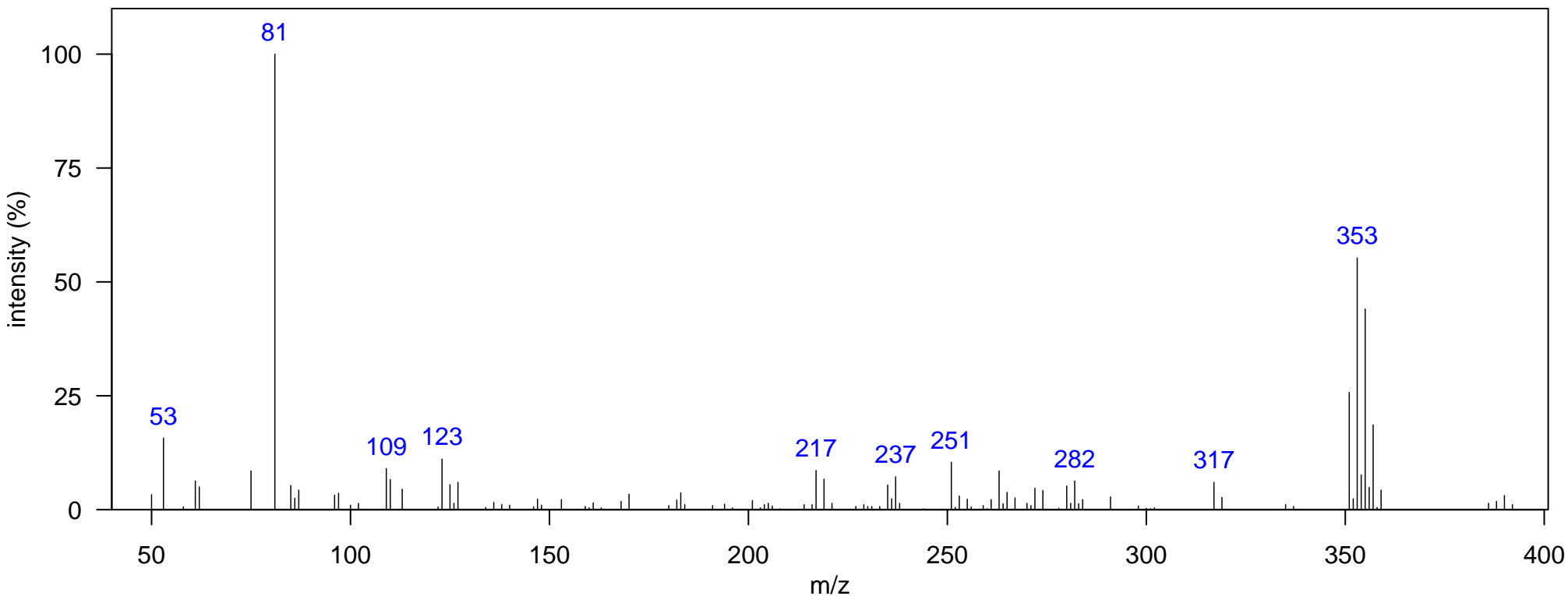
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: heptachlor epoxide

Identification: Authentic MS RT

Comment:



m/z [Fragment]
351 [M-Cl] ⁺

Name: heptachlor related 3

Class: Heptachlor-related

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1338.08, 1.327

Elemental Formula: C₁₀H₄Cl₈

Ecotype: offshore

Quantitative Ion m/z: 272

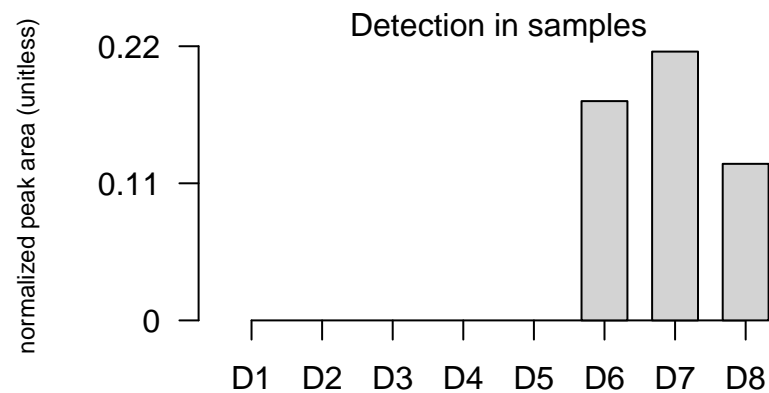
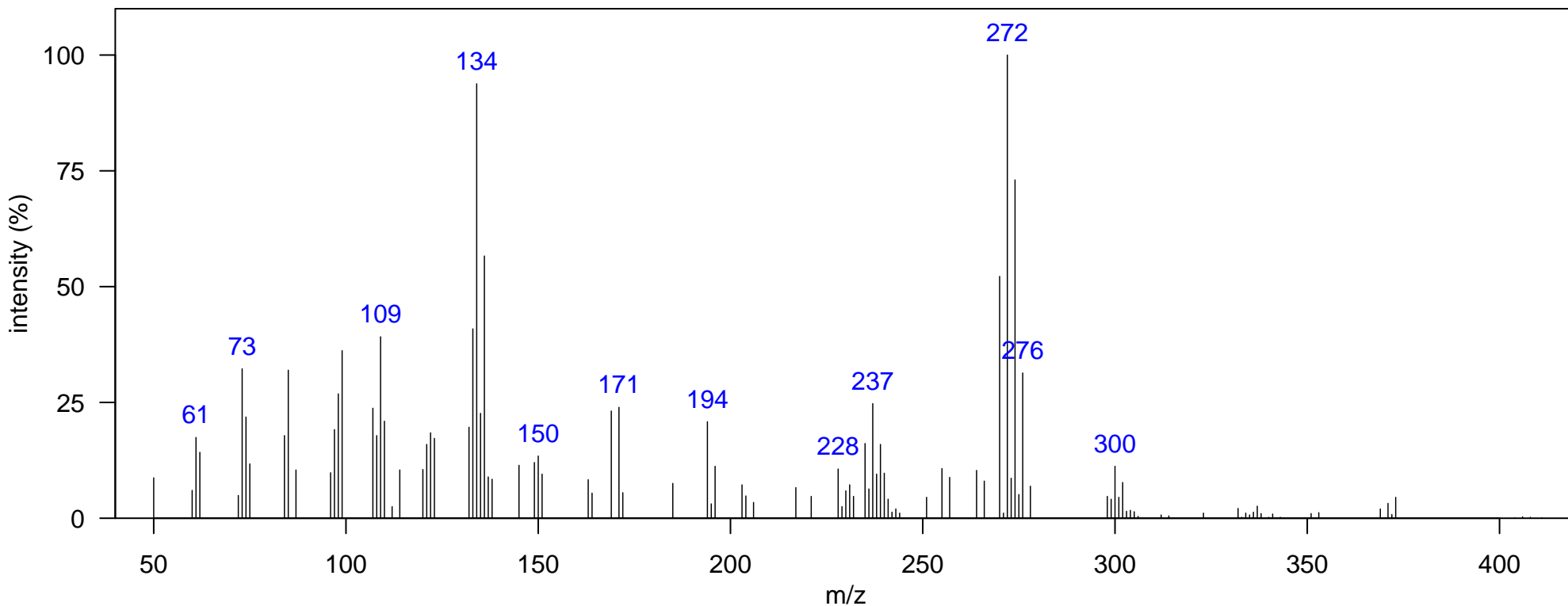
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: heptachlor related 3

Identification: Manual-Congener Group

Comment:



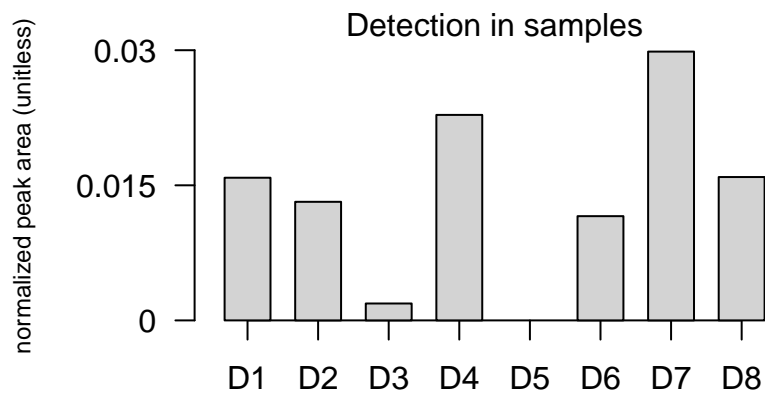
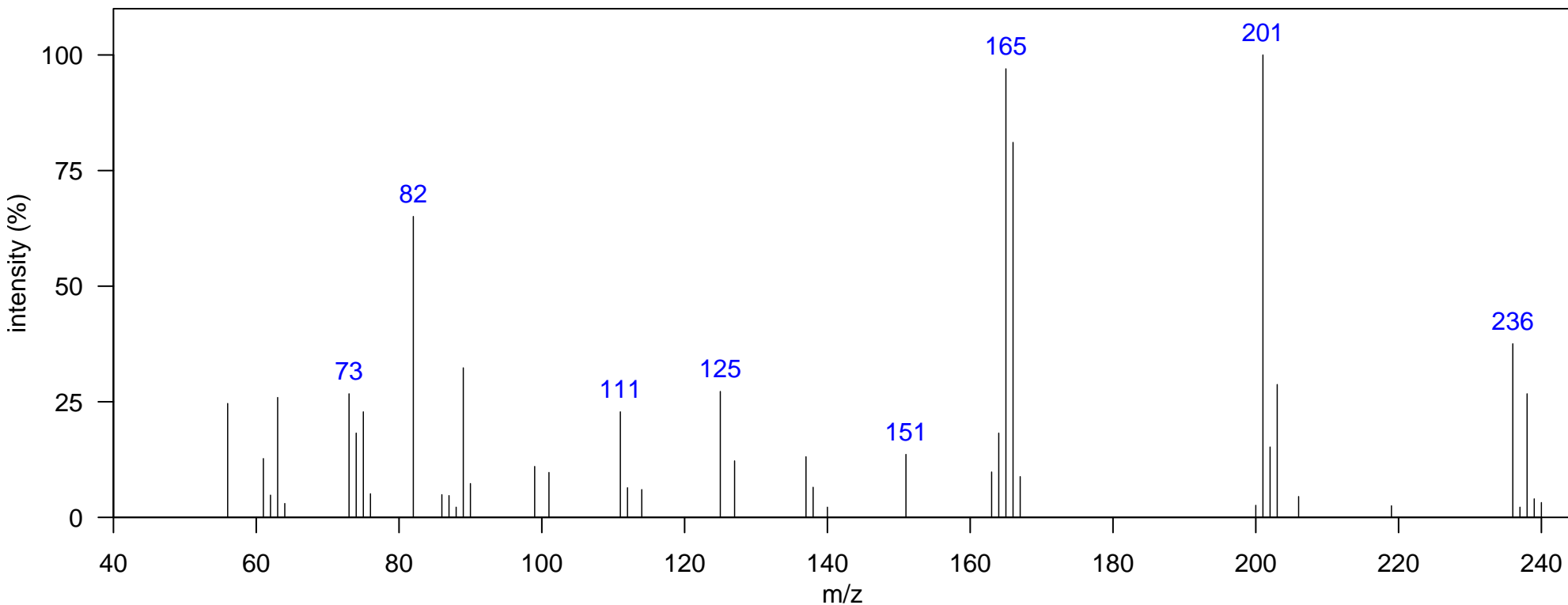
m/z [Fragment]
270 [C ₅ Cl ₆] ⁺

Name: DDT related 1

Class: DDT-related

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1166.68, 1.228
Ecotype: offshore Quantitative Ion m/z: 236
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: bis(p-chlorophenyl)-methane

Elemental Formula: C₁₃H₁₀Cl₂
Source: anthropogenic
Identification: Reference Database MS



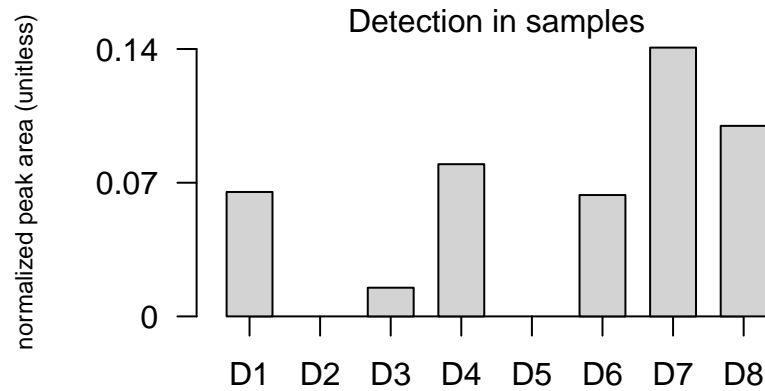
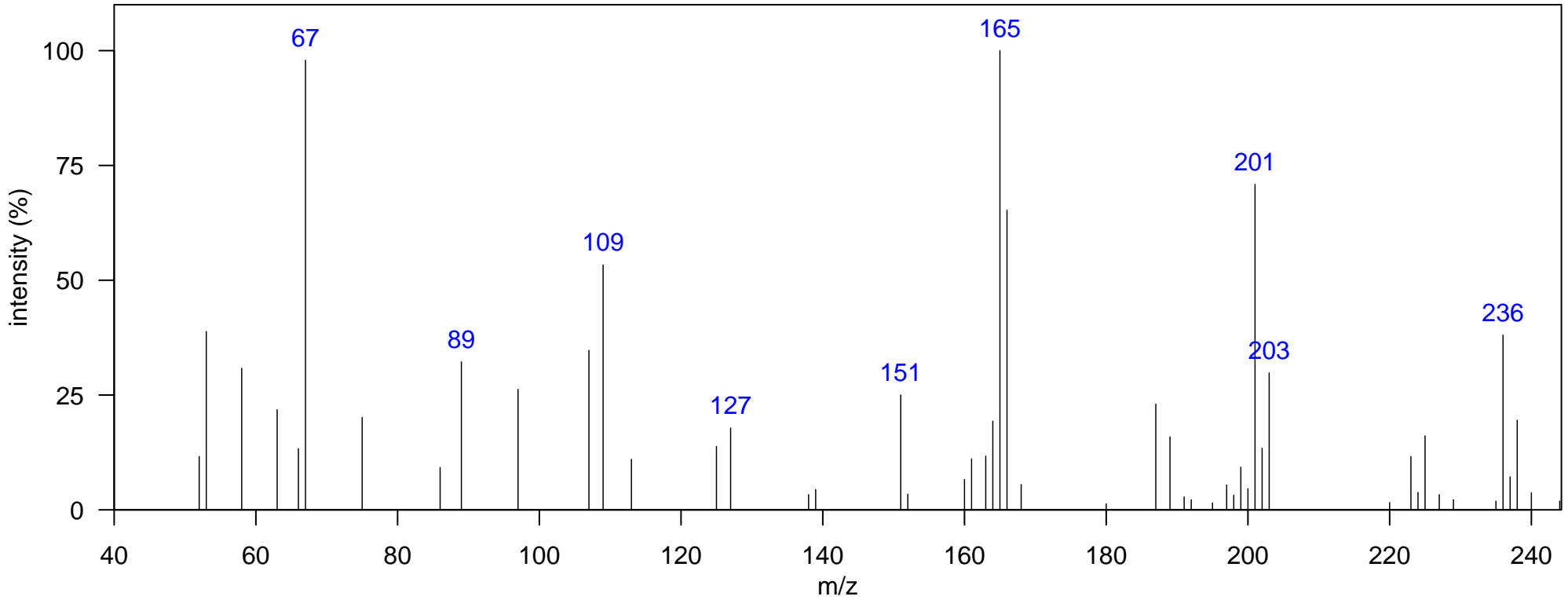
m/z [Fragment]
165 [M-HCl ₂]
236 M ⁺

Name: DDT related 2

Class: DDT-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1187.66, 1.228
Ecotype: coastal Quantitative Ion m/z: 236
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: bis(p-chlorophenyl)-methane

Elemental Formula: C₁₃H₁₀Cl₂
Source: anthropogenic
Identification: Reference Database MS



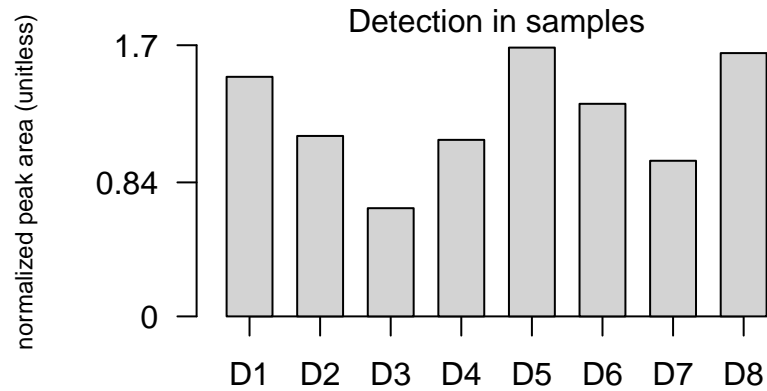
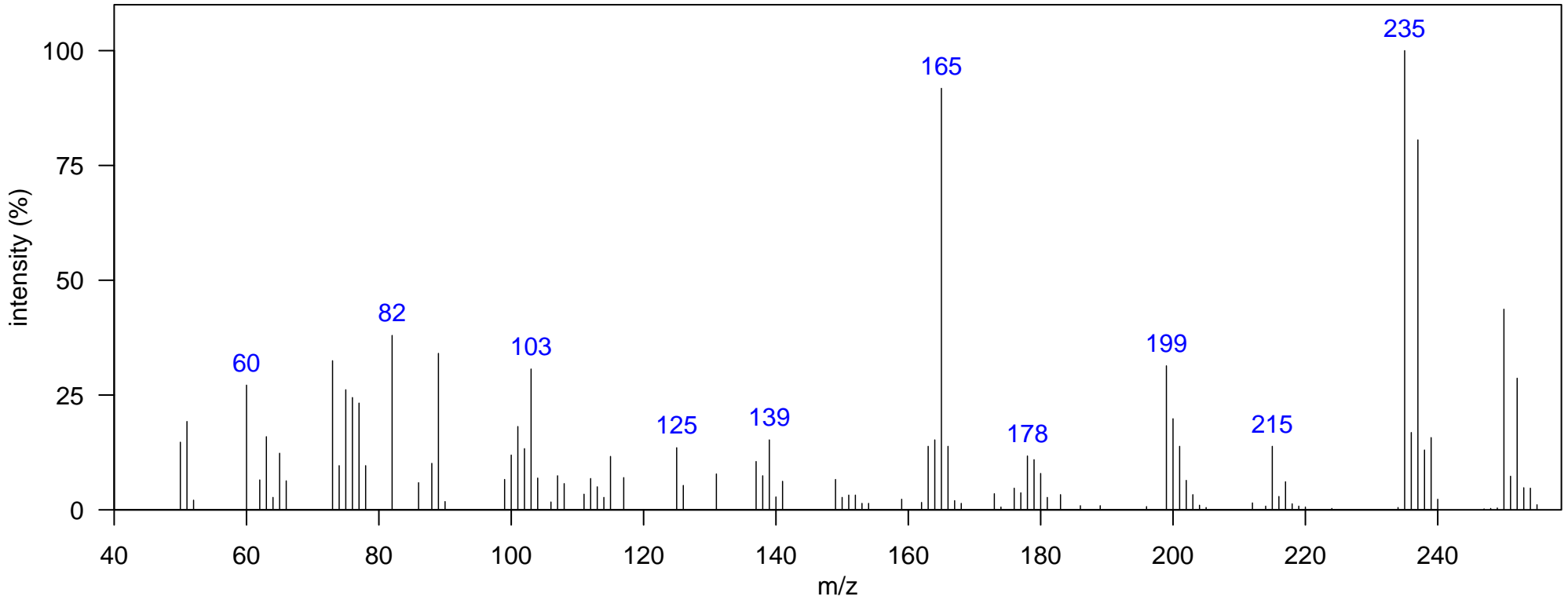
m/z [Fragment]
165 [M-HCl ₂]
236 M ⁺

Name: DDT related 3

Class: DDT-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1219.15, 1.214
Ecotype: coastal Quantitative Ion m/z: 235
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: DDEt
Comment: 1,1'-bis(chlorophenyl)-ethane (DDEt)

Elemental Formula: C₁₄H₁₂Cl₂
Source: anthropogenic
Identification: Reference Database MS



m/z [Fragment]
165 [M-CH ₃ -Cl ₂] ⁺
235 [M-CH ₃] ⁺
250 M ⁺

Name: DDT related 4

Class: DDT-related

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 1222.64, 1.181

Elemental Formula: C₁₄H₁₀Cl₂

Ecotype: coastal

Quantitative Ion m/z: 248

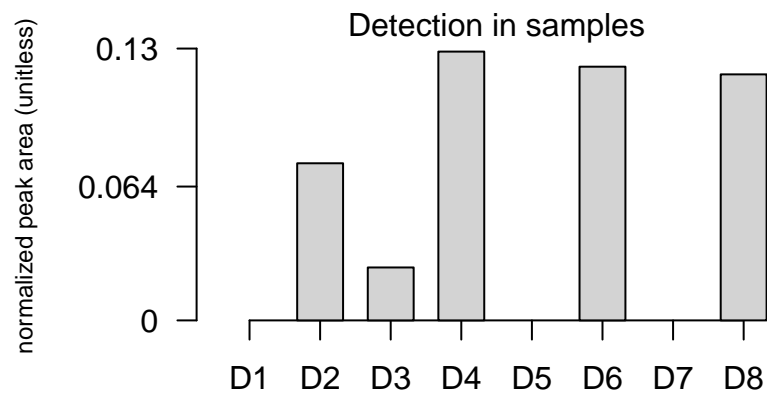
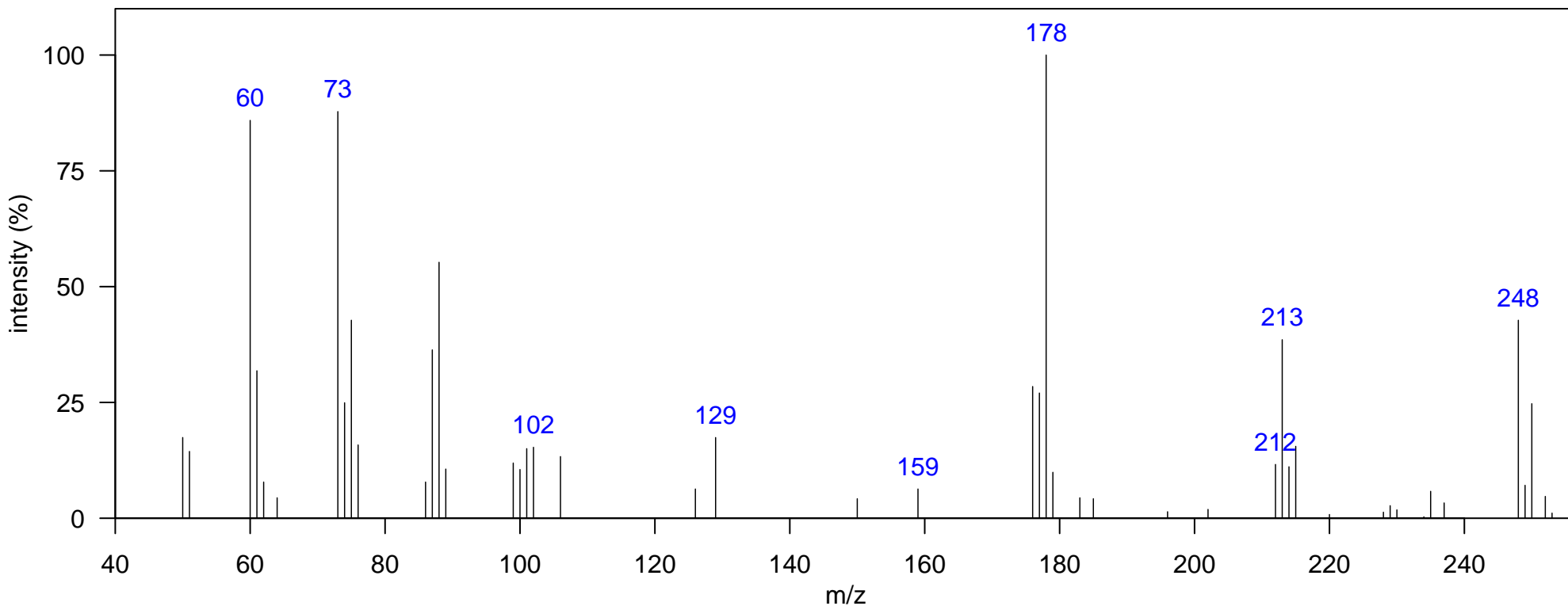
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Reference Database MS

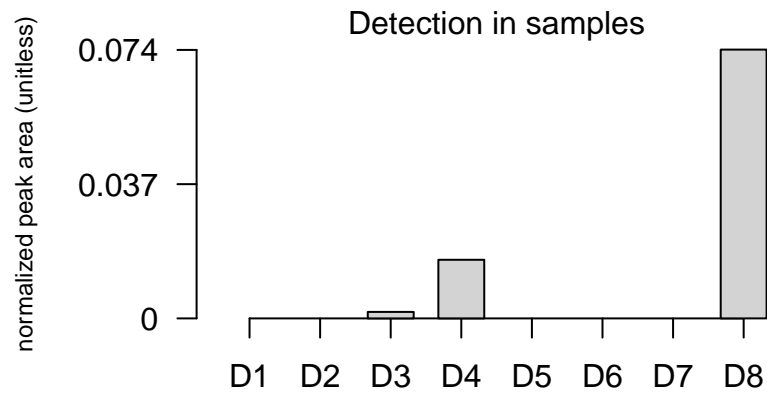
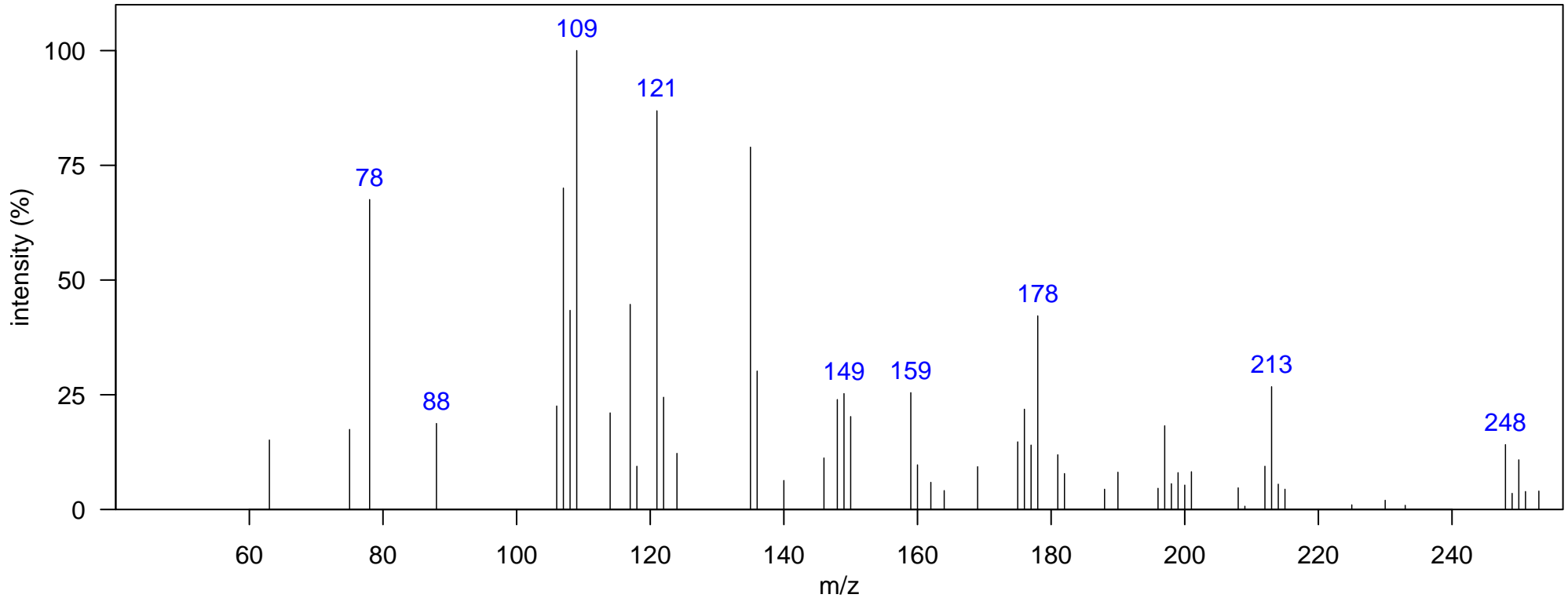
Comment: 1,1'-ethenylidenebis(4-chloro-benzene) (DDNU)



m/z [Fragment]
178 [M-Cl ₂] ⁺
213 [M-Cl] ⁺
248 M ⁺

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1362.56, 1.01
Ecotype: offshore Quantitative Ion m/z: 248
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: 1,1'-ethenylidenebis(4-chloro-benzene) (DDNU)

Elemental Formula: C₁₄H₁₀Cl₂
Source: anthropogenic
Identification: Reference Database MS



m/z [Fragment]

178 [M-Cl₂]⁺

213 [M-Cl]⁺

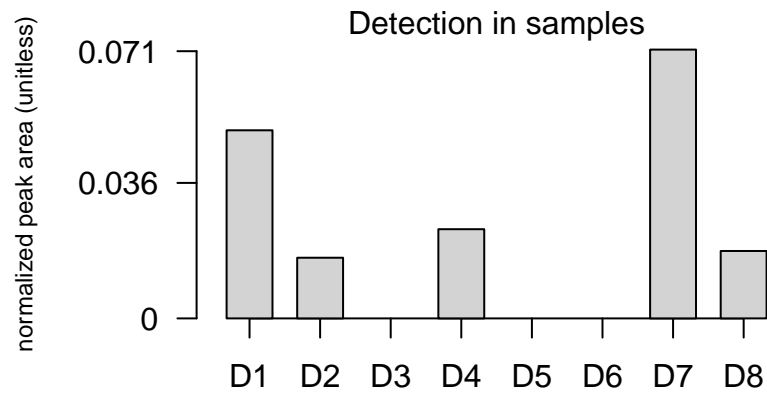
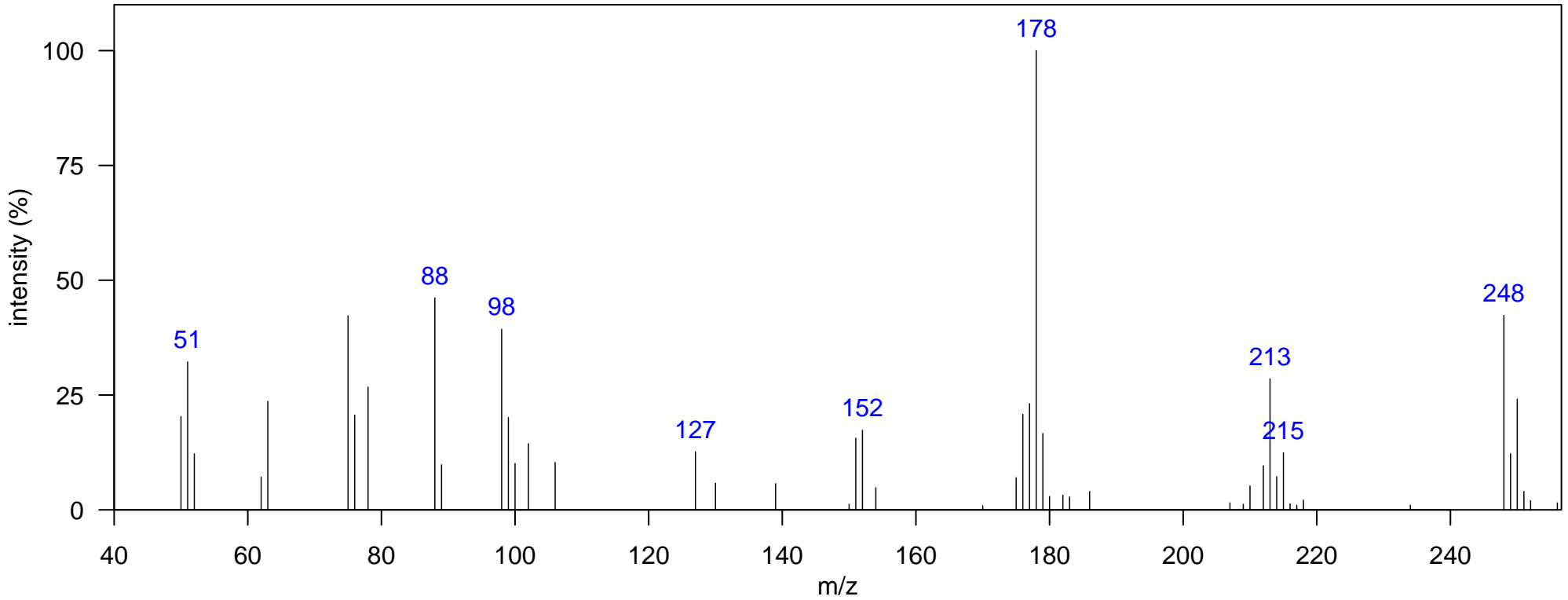
248 M⁺

Name: DDT related 6

Class: DDT-related

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1369.56, 1.003
Ecotype: offshore Quantitative Ion m/z: 178
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: 1,1'-ethenylidenebis(4-chloro-benzene) (DDNU)

Elemental Formula: C₁₄H₁₀Cl₂
Source: anthropogenic
Identification: Reference Database MS



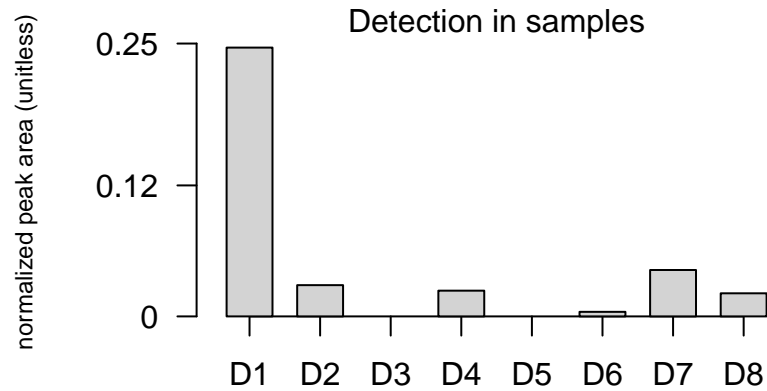
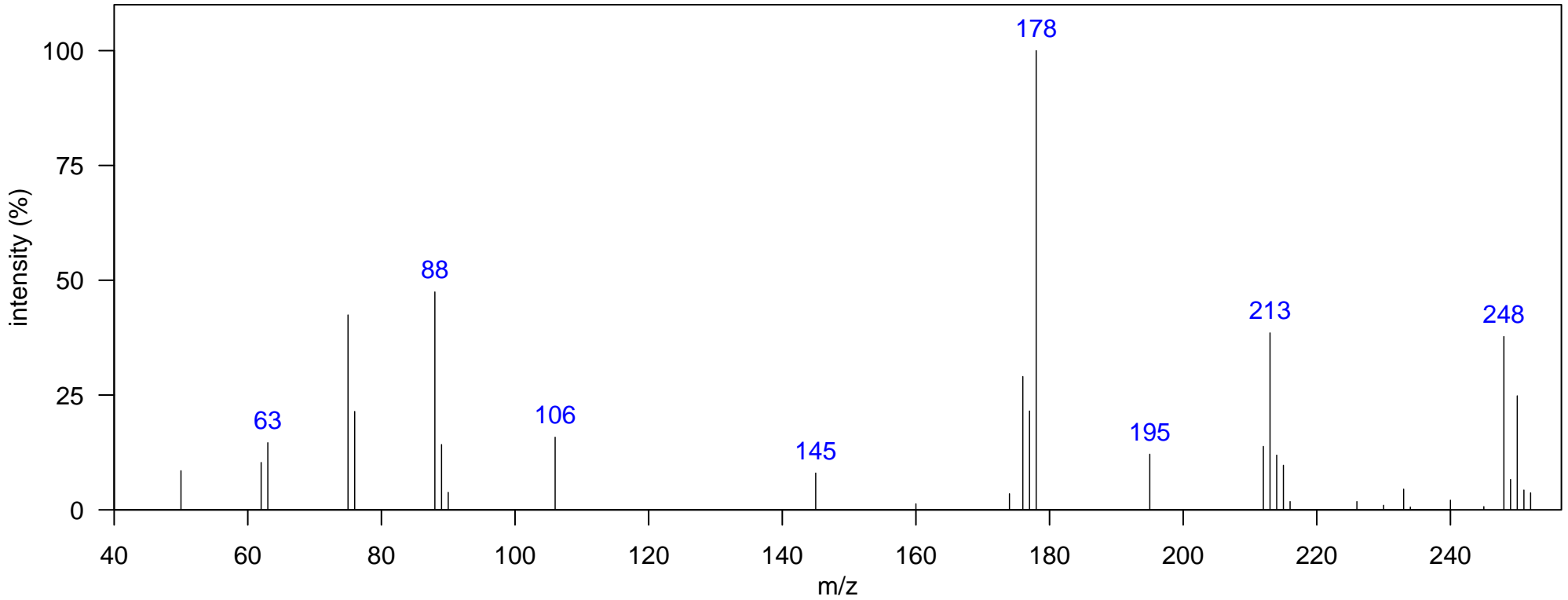
m/z [Fragment]
178 [M-Cl ₂] ⁺
213 [M-Cl] ⁺
248 M ⁺

Name: DDT related 7

Class: DDT-related

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1415.03, 0.964
Ecotype: offshore Quantitative Ion m/z: 213
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: 1,1'-ethenylidenebis(4-chloro-benzene) (DDNU)

Elemental Formula: C₁₄H₁₀Cl₂
Source: anthropogenic
Identification: Reference Database MS



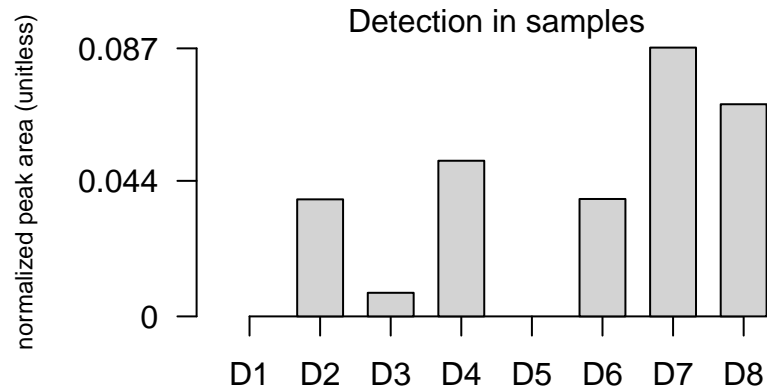
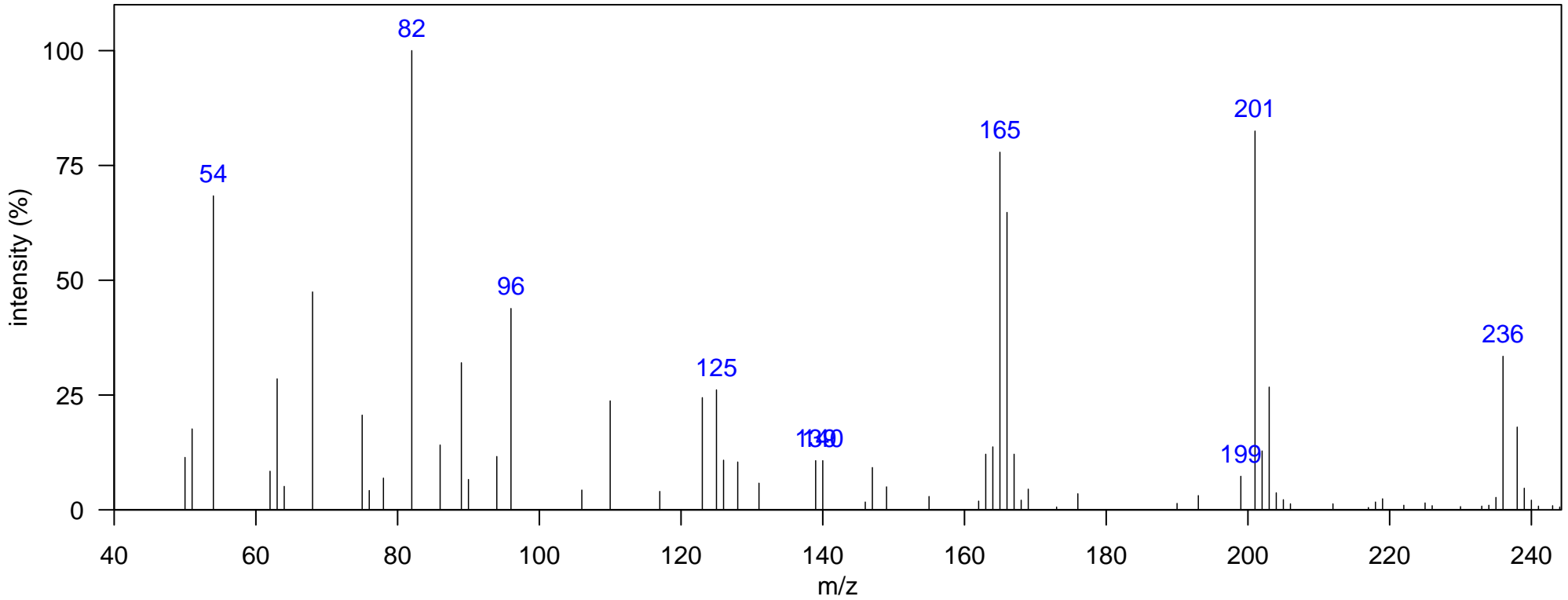
m/z [Fragment]
178 [M-Cl ₂] ⁺
213 [M-Cl] ⁺
248 M ⁺

Name: DDT related 8

Class: DDT-related

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1411.54, 0.944
Ecotype: offshore Quantitative Ion m/z: 201
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: bis(p-chlorophenyl)-methane

Elemental Formula: C₁₃H₁₀Cl₂
Source: anthropogenic
Identification: Reference Database MS



m/z [Fragment]
165 [M-HCl ₂] ⁺
201 [M-Cl] ⁺
236 M ⁺

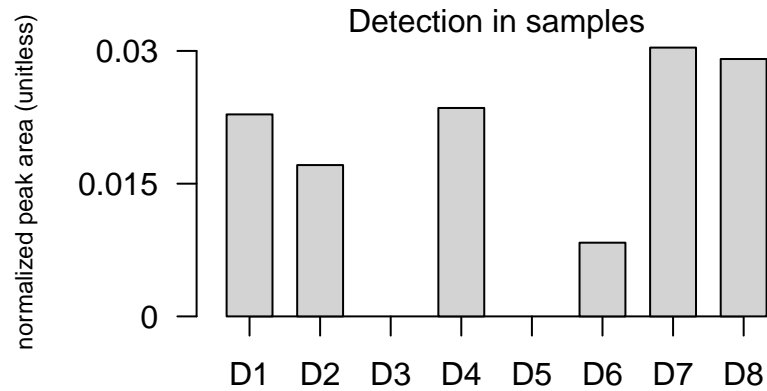
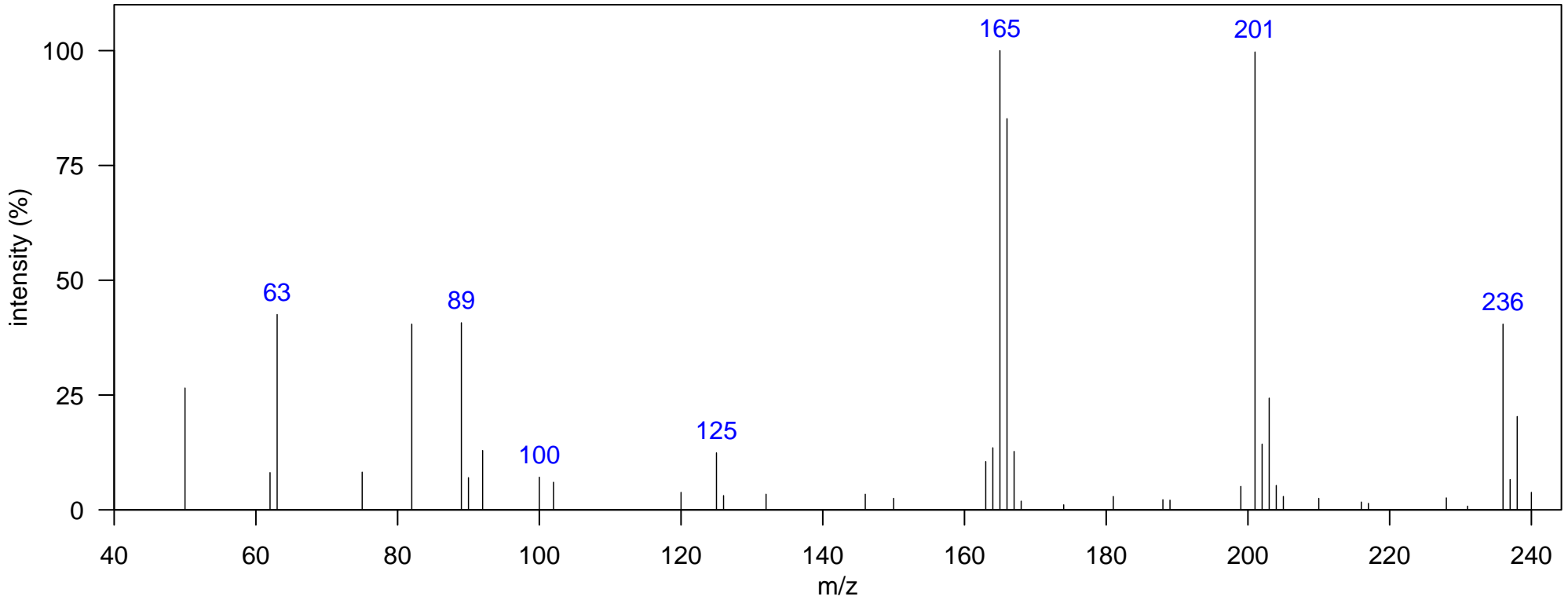
Name: DDT related 9

Class: DDT-related

Sample: SoCal dolphin blubber D8, KXD0003 1D RT, 2D RT (s): 1450.01, 0.917
Ecotype: coastal
Instrument: GCxGC-TOF, EI, 70 eV
Comment: bis(p-chlorophenyl)-methane

Quantitative Ion m/z: 201
Atlantic Lib:

Elemental Formula: C₁₃H₁₀Cl₂
Source: anthropogenic
Identification: Reference Database MS



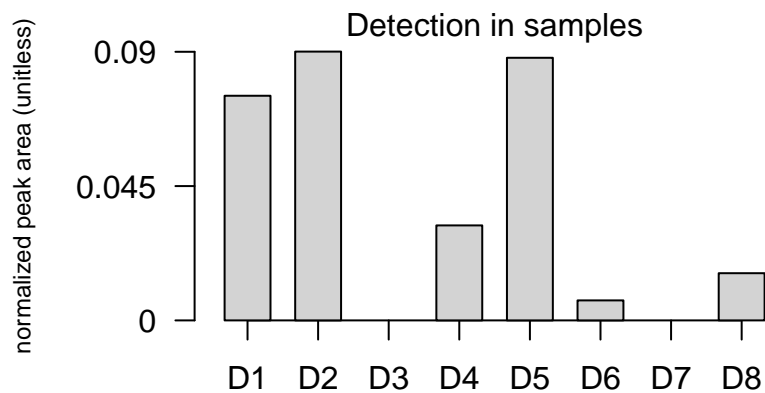
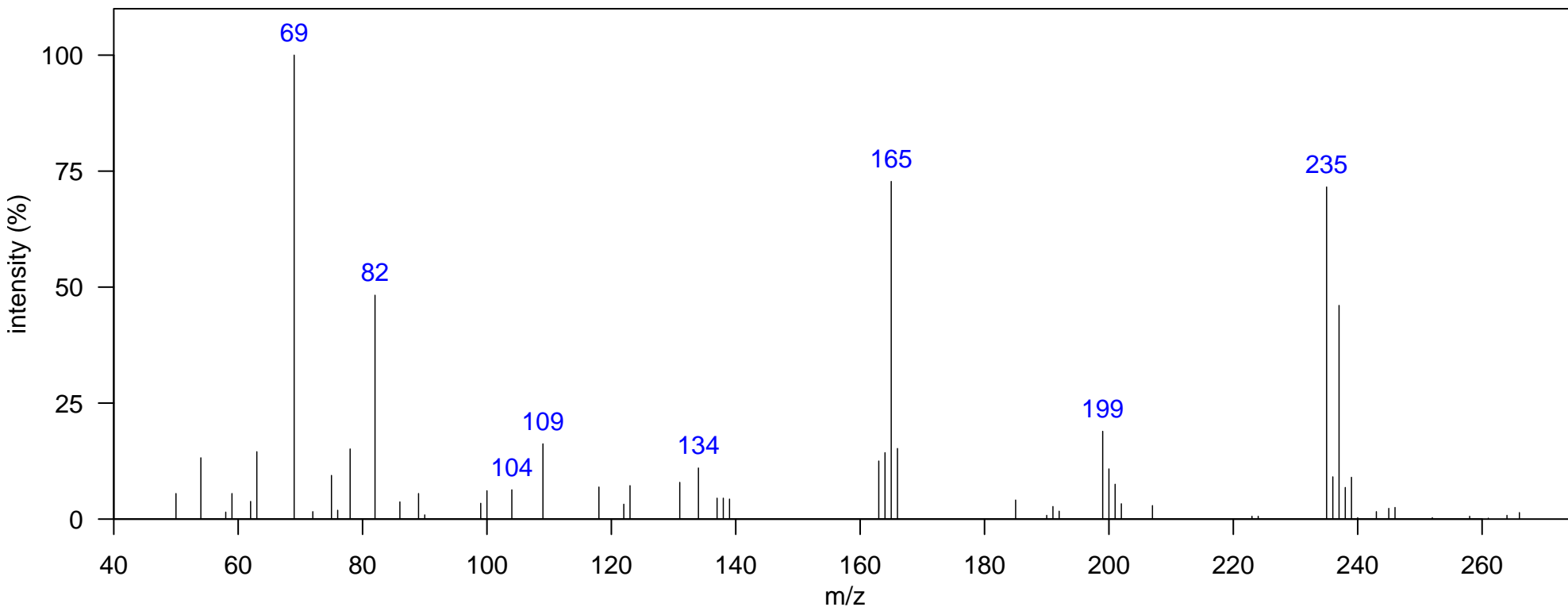
m/z [Fragment]
165 [M-HCl ₂] ⁺
201 [M-Cl] ⁺
236 M ⁺

Name: DDT related 10

Class: DDT-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1464.01, 1.082
Ecotype: coastal Quantitative Ion m/z: 235
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: DDT
Comment: 2,2'-bis(p-chlorophenyl)ethanol (DDOH)

Elemental Formula: C₁₄H₁₂Cl₂O
Source: anthropogenic
Identification: Reference Database MS



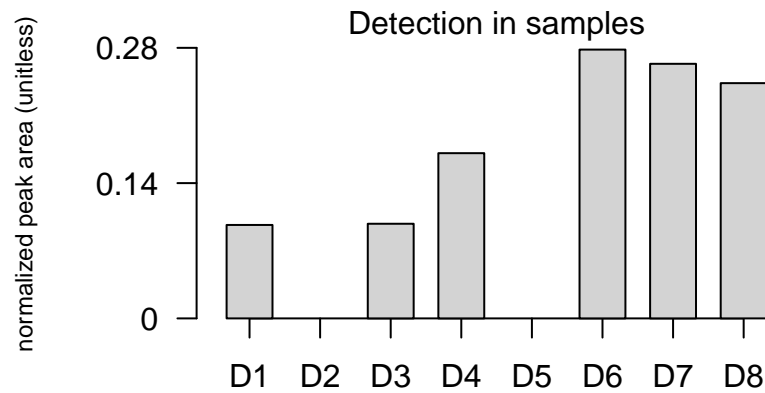
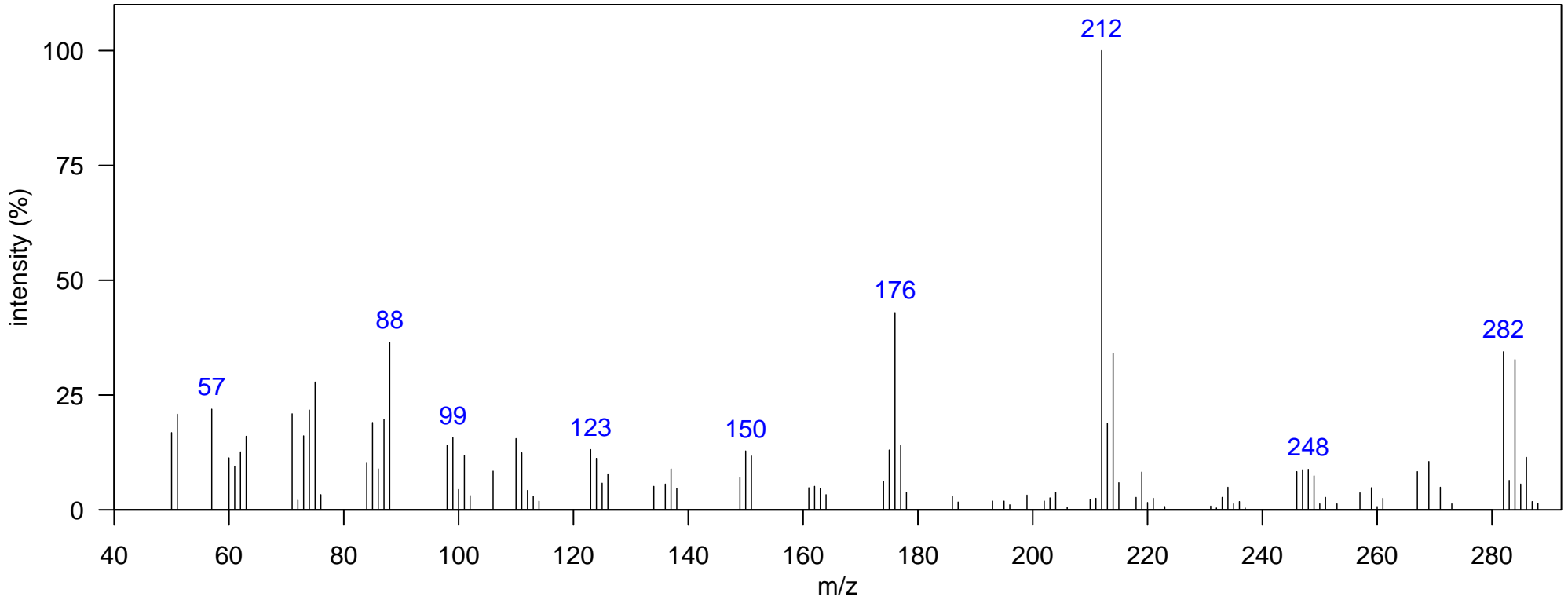
m/z [Fragment]
235 [M-CCl ₃]

Name: DDMU 1

Class: DDT-related

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1254.13, 1.254
Ecotype: offshore Quantitative Ion m/z: 212
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula: C₁₄H₉Cl₃
Source: anthropogenic
Identification: Authentic MS



m/z [Fragment]
212 [M-Cl ₂] ⁺
282 M ⁺

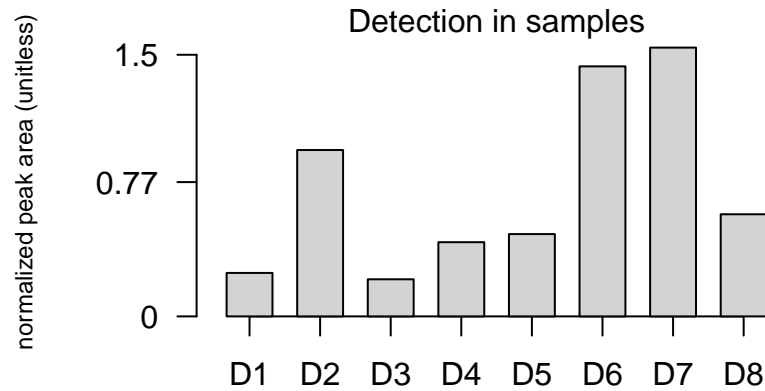
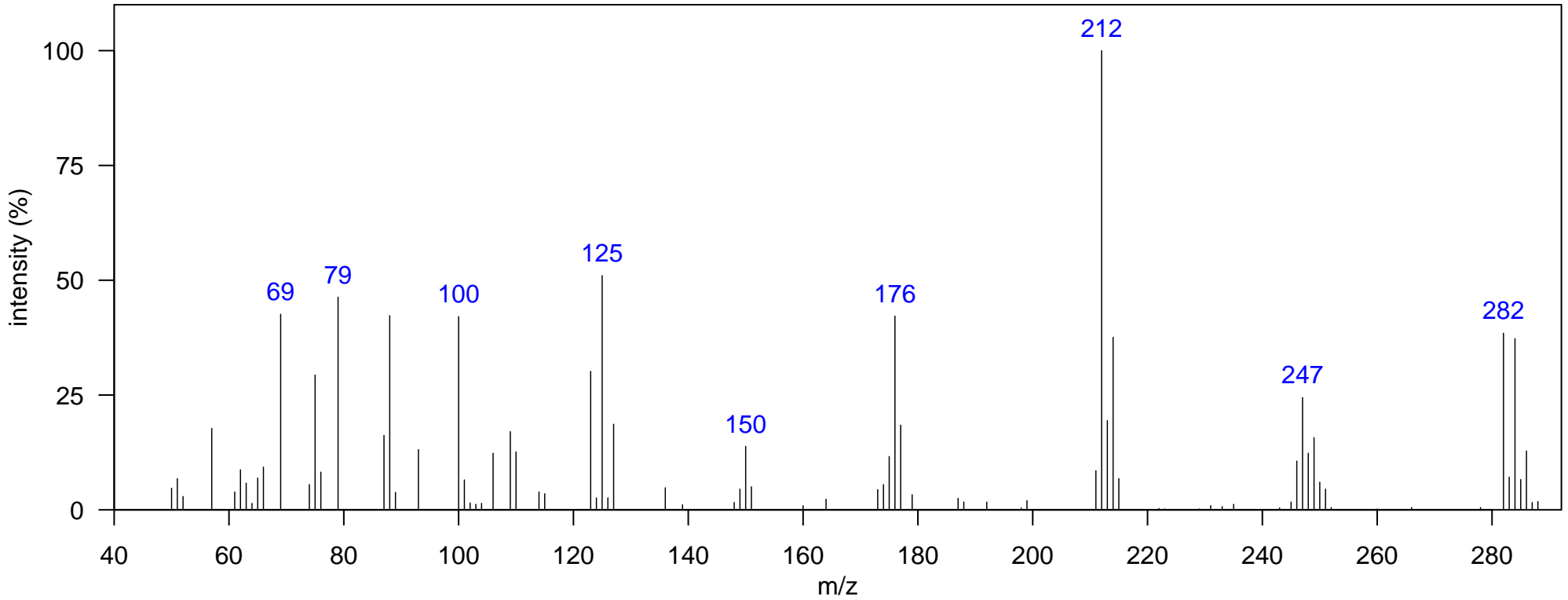
Name: DDMU 2

Class: DDT-related

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1296.1, 1.274
Ecotype: coastal
Instrument: GCxGC-TOF, EI, 70 eV
Comment:

Quantitative Ion m/z: 212
Atlantic Lib: DDMU

Elemental Formula: C₁₄H₉Cl₃
Source: anthropogenic
Identification: Authentic MS



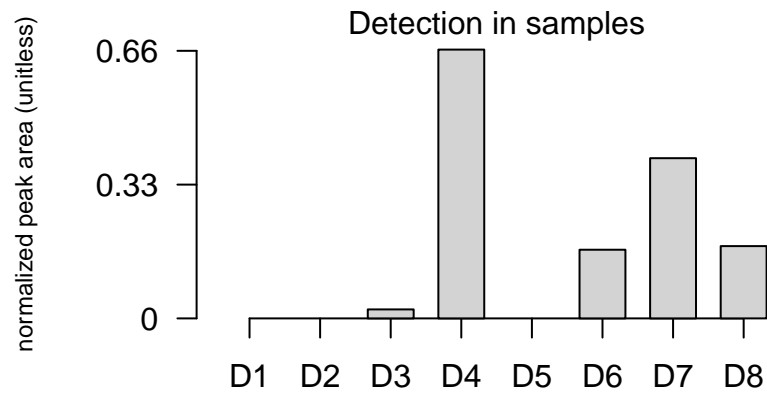
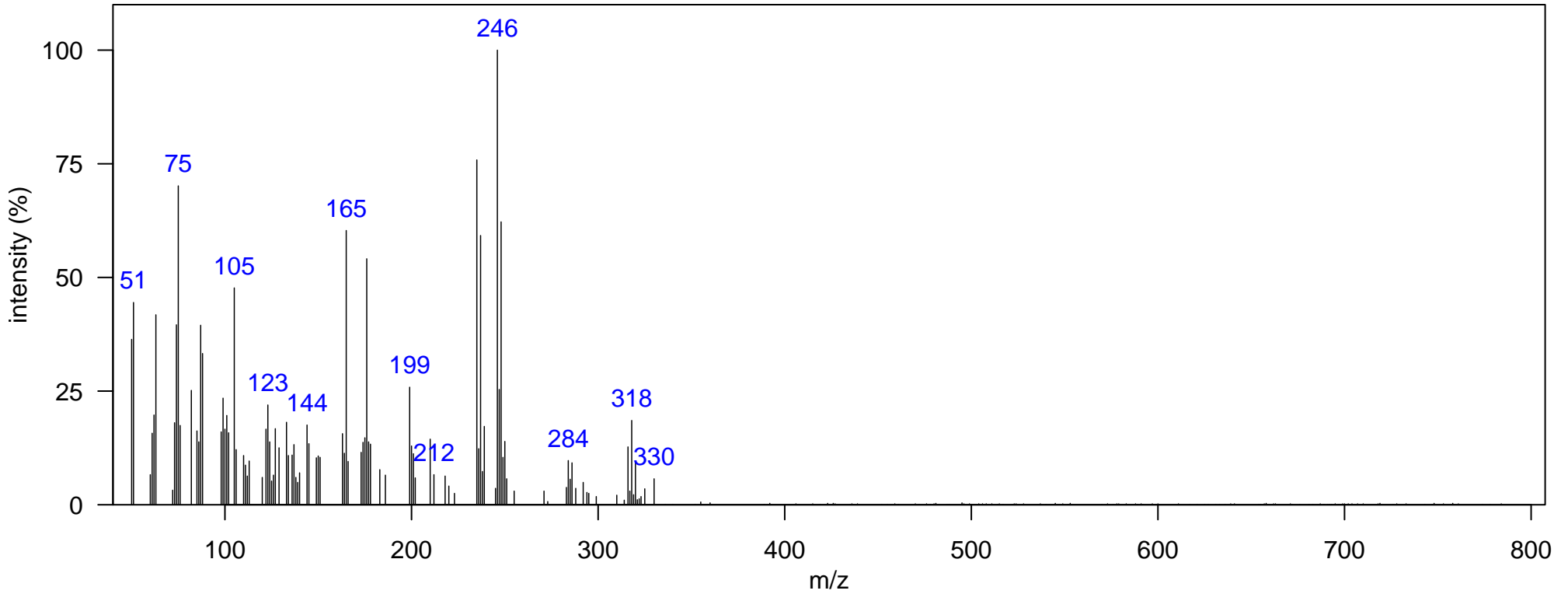
m/z [Fragment]
212 [M-Cl ₂] ⁺
247 [M-Cl] ⁺
282 M ⁺

Name: DDT related 11

Class: DDT-related

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1320.59, 1.3
Ecotype: offshore Quantitative Ion m/z: 246
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula:
Source: anthropogenic
Identification: Manual



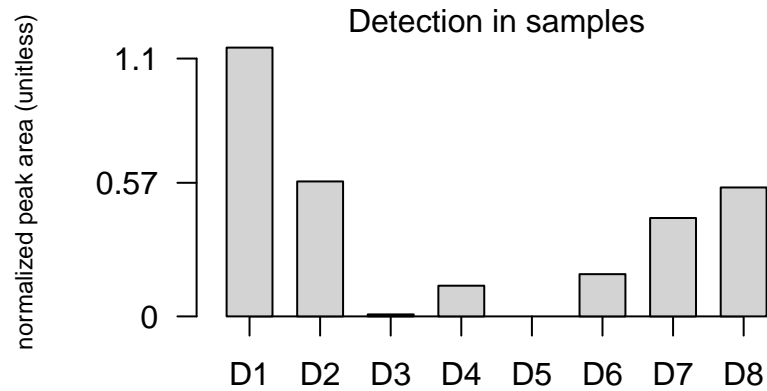
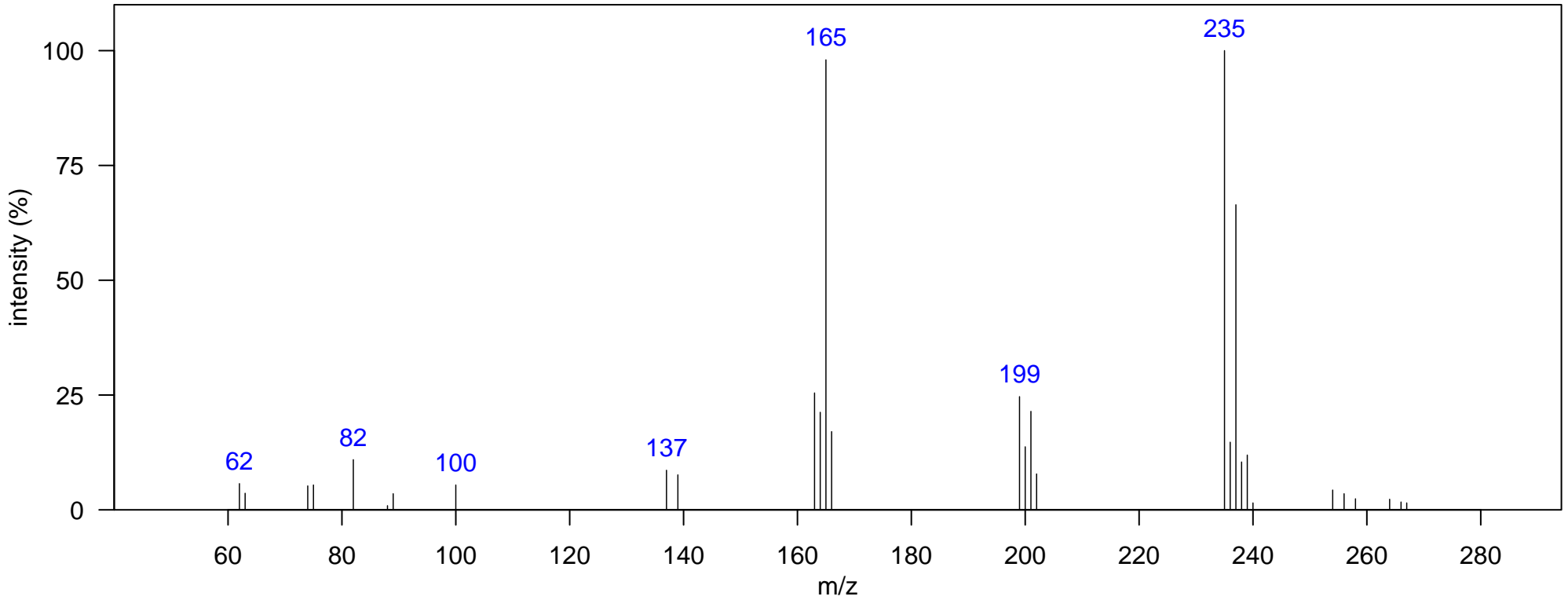
m/z [Fragment]

Name: DDT related 12

Class: DDT-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1317.09, 1.346
Ecotype: coastal Quantitative Ion m/z: 235
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: DDM
Comment: 1-chloro-2,2-bis(p-chlorophenyl)ethane

Elemental Formula: C₁₄H₁₁Cl₃
Source: anthropogenic
Identification: Reference Database MS



m/z [Fragment]
235 [M-CH ₂ OH]
266 M+

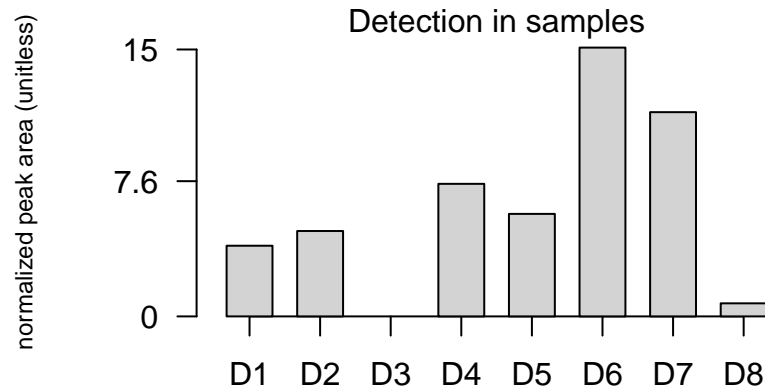
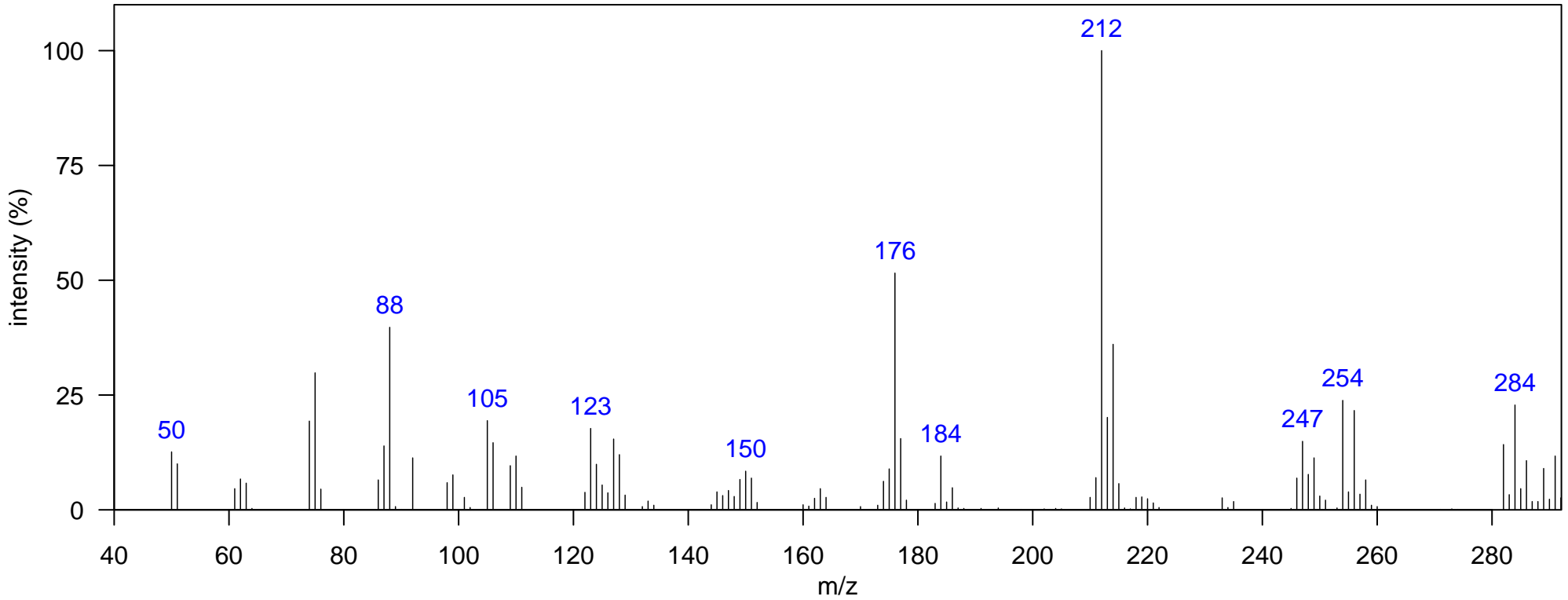
Name: DDMU 3

Class: DDT-related

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1331.08, 1.32
Ecotype: coastal
Instrument: GCxGC-TOF, EI, 70 eV
Comment:

Quantitative Ion m/z: 212
Atlantic Lib: DDMU

Elemental Formula: C₁₄H₉Cl₃
Source: anthropogenic
Identification: Authentic MS RT



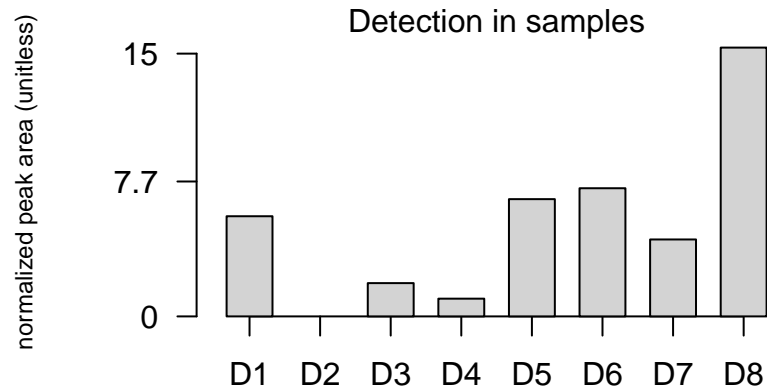
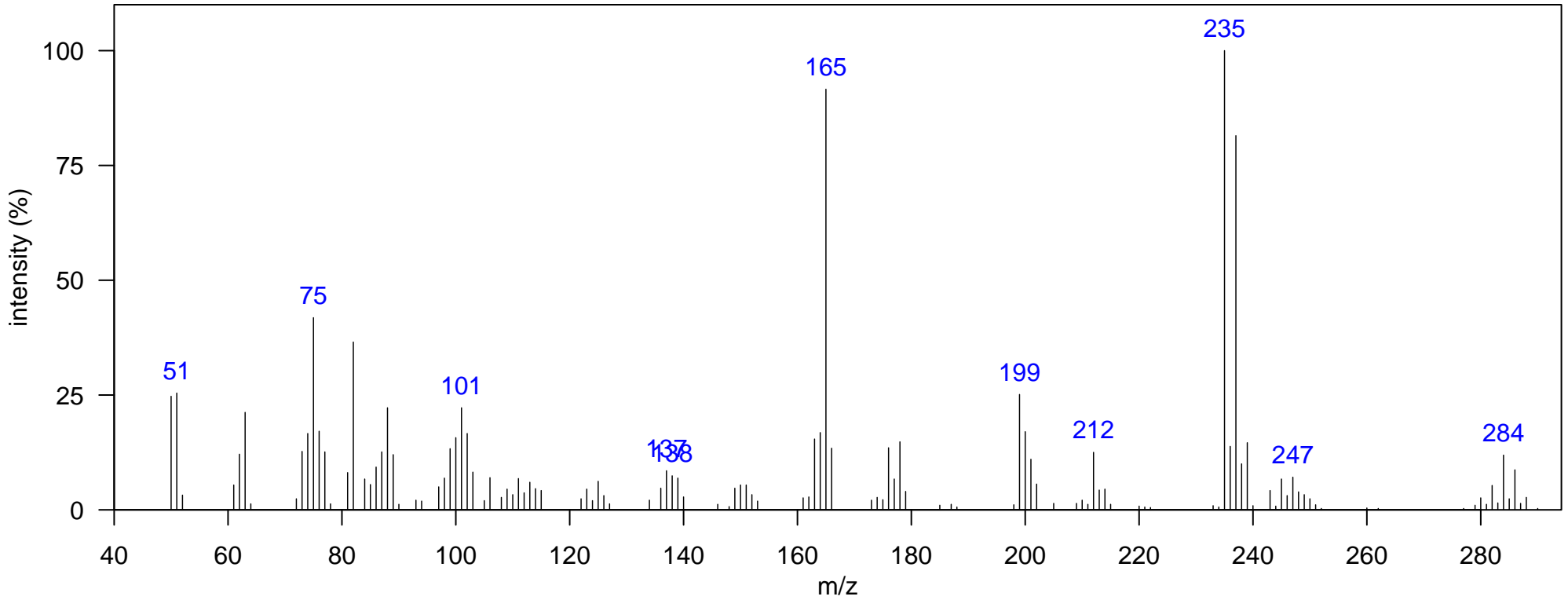
m/z [Fragment]
212 [M-Cl ₂] ⁺
247 [M-Cl] ⁺
282 M ⁺

Name: DDT related 13

Class: DDT-related

Sample: SoCal dolphin blubber D8, KXD0003 1D RT, 2D RT (s): 1355.57, 1.32
Ecotype: coastal Quantitative Ion m/z: 235
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: DDM
Comment: 1-chloro-2,2-bis(p-chlorophenyl)ethane

Elemental Formula: C₁₄H₁₁Cl₃
Source: anthropogenic
Identification: Reference Database MS



m/z [Fragment]
235 [M-CH ₂ Cl] ⁺
284 M ⁺

Name: DDMU 4

Class: DDT-related

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1453.51, 1.069

Elemental Formula: C₁₄H₉Cl₃

Ecotype: offshore

Quantitative Ion m/z: 212

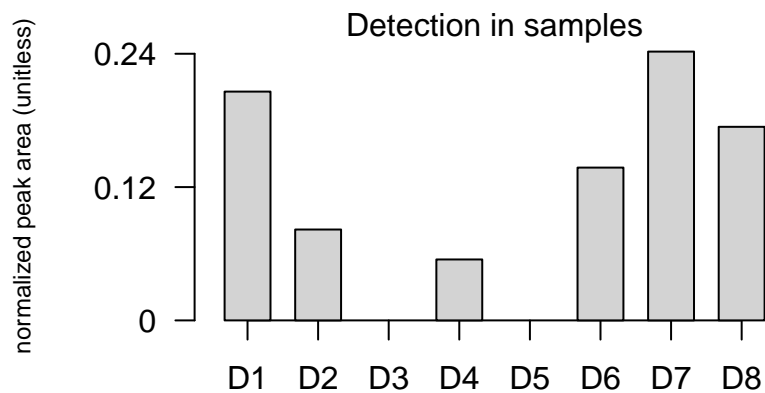
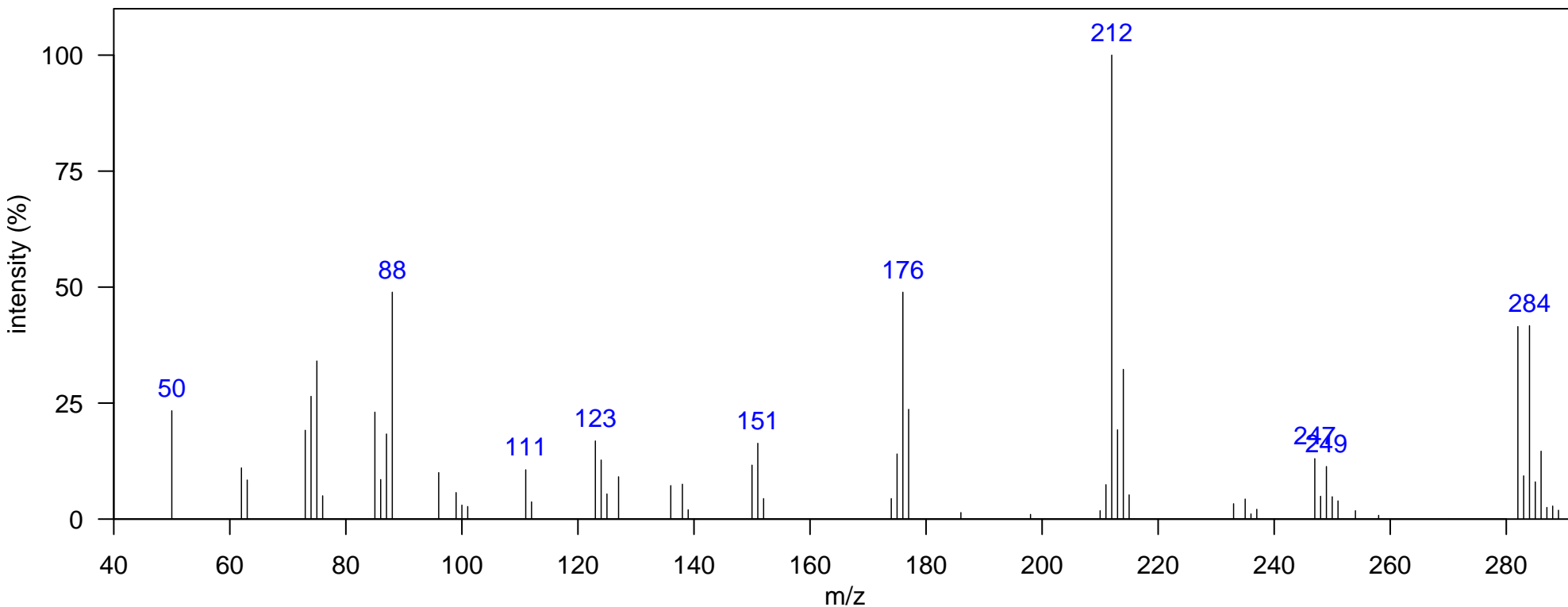
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DDMU

Identification: Authentic MS

Comment:



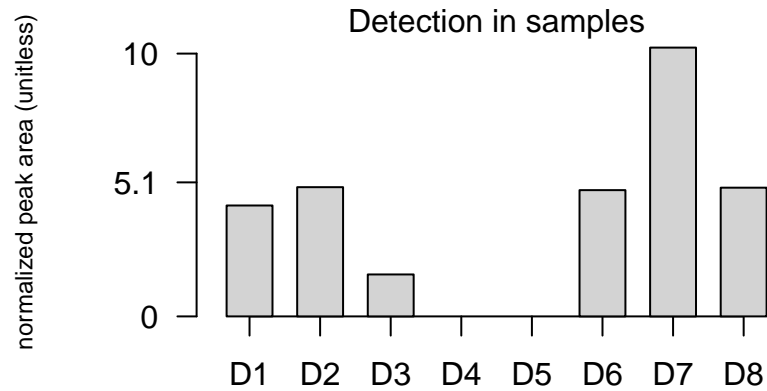
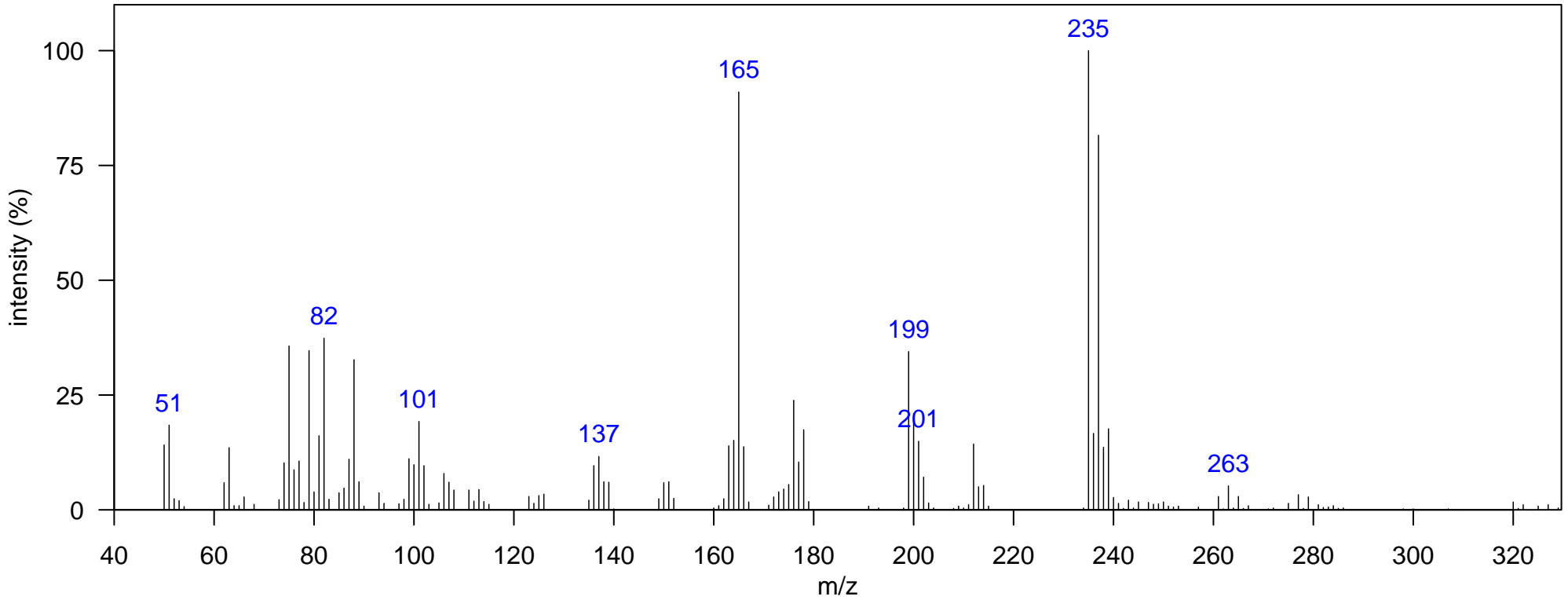
m/z [Fragment]
247 [M-Cl]
282 M+

Name: o,p'-DDD

Class: DDT-related

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1376.56, 1.346
Ecotype: offshore Quantitative Ion m/z: 235
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: o,p-
Comment:

Elemental Formula: C₁₄H₁₀Cl₄
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]
235 [M-CHCl ₂] ⁺
318 M ⁺

Name: p,p'-DDD

Class: DDT-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1411.54, 1.379

Elemental Formula: C₁₄H₁₀Cl₄

Ecotype: coastal

Quantitative Ion m/z: 237

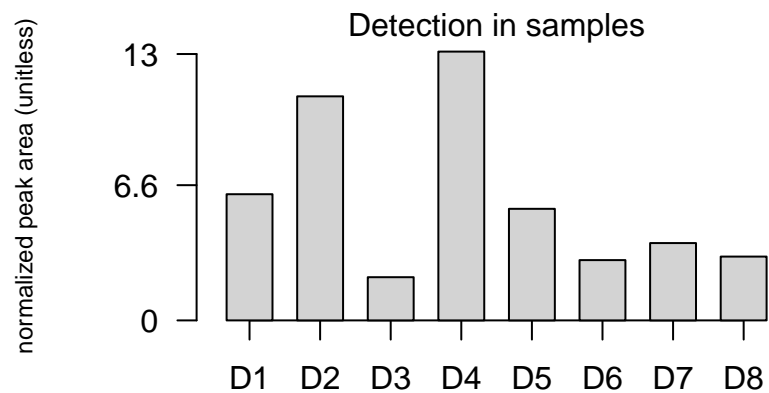
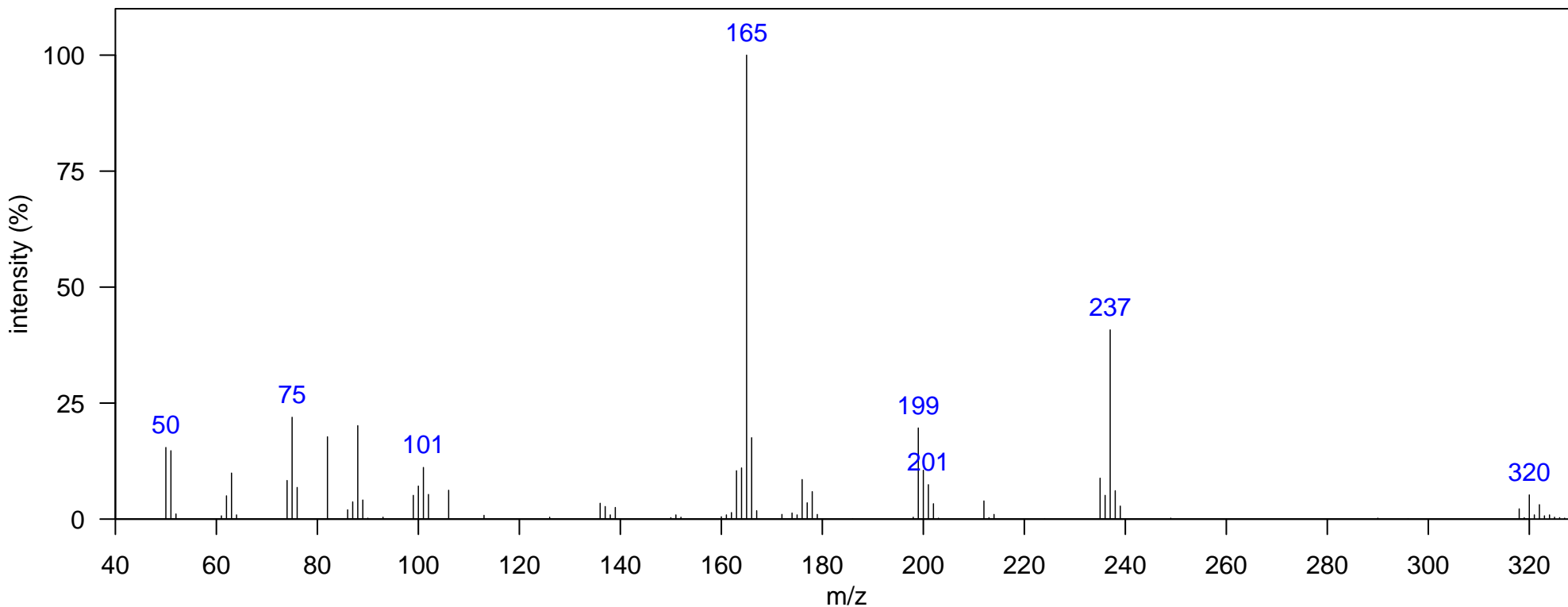
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: p,p'-DDD

Identification: Authentic MS RT

Comment:



m/z [Fragment]
237 [M-CHCl ₂] ⁺
318 M ⁺

Name: DDT related 14

Class: DDT-related

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1484.99, 1.406

Elemental Formula: C₁₄H₆Cl₆

Ecotype: offshore

Quantitative Ion m/z: 386

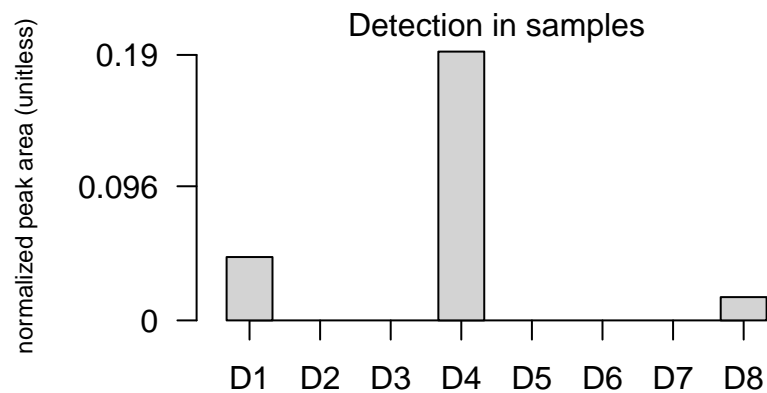
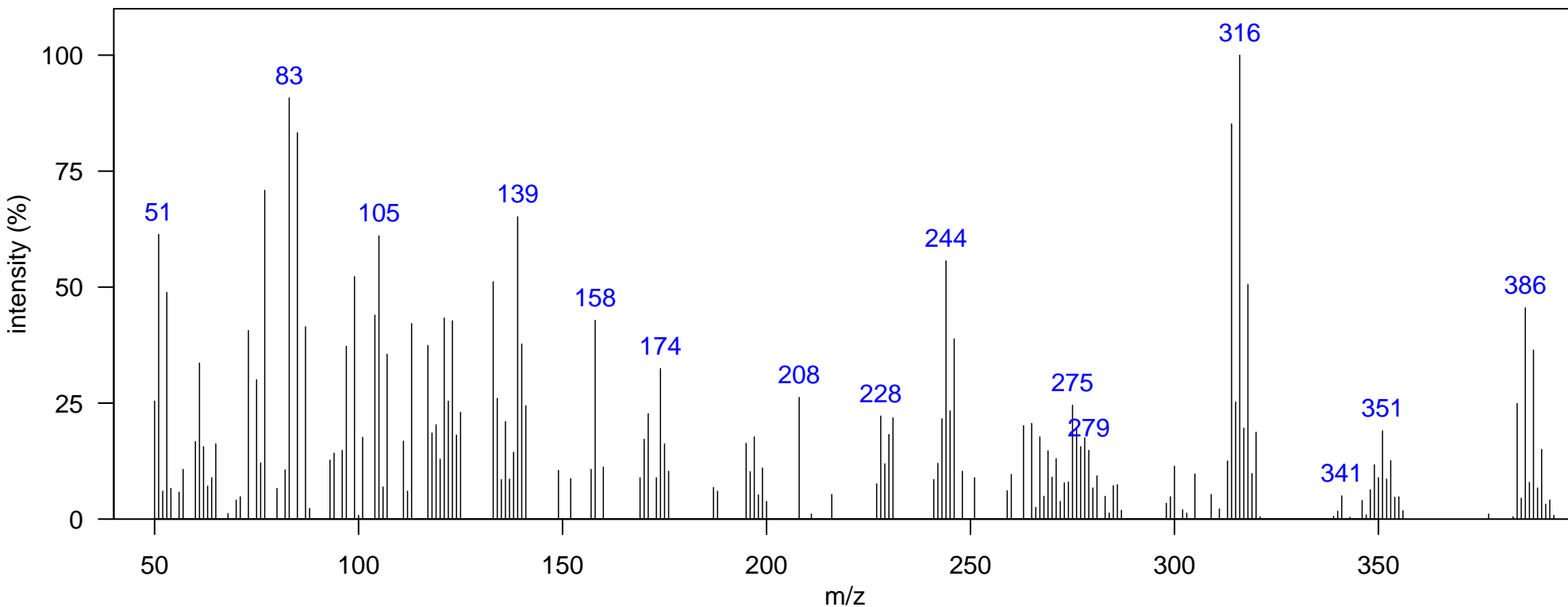
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DDT related 1

Identification: Manual-Congener Group

Comment: Suggested DDE backbone structure, but containing 6 chlorines



m/z [Fragment]
314 [M-2Cl] ⁺
349 [M-Cl] ⁺
384 M ⁺

Name: DDT related 15

Class: DDT-related

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1488.49, 1.399

Elemental Formula: C₁₄H₆Cl₆

Ecotype: coastal

Quantitative Ion m/z: 386

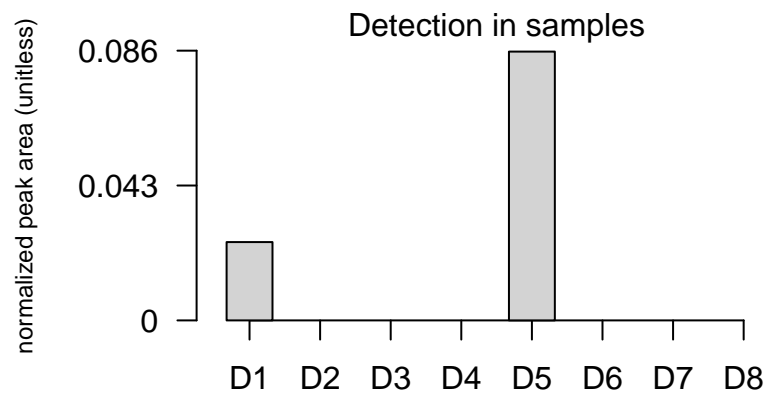
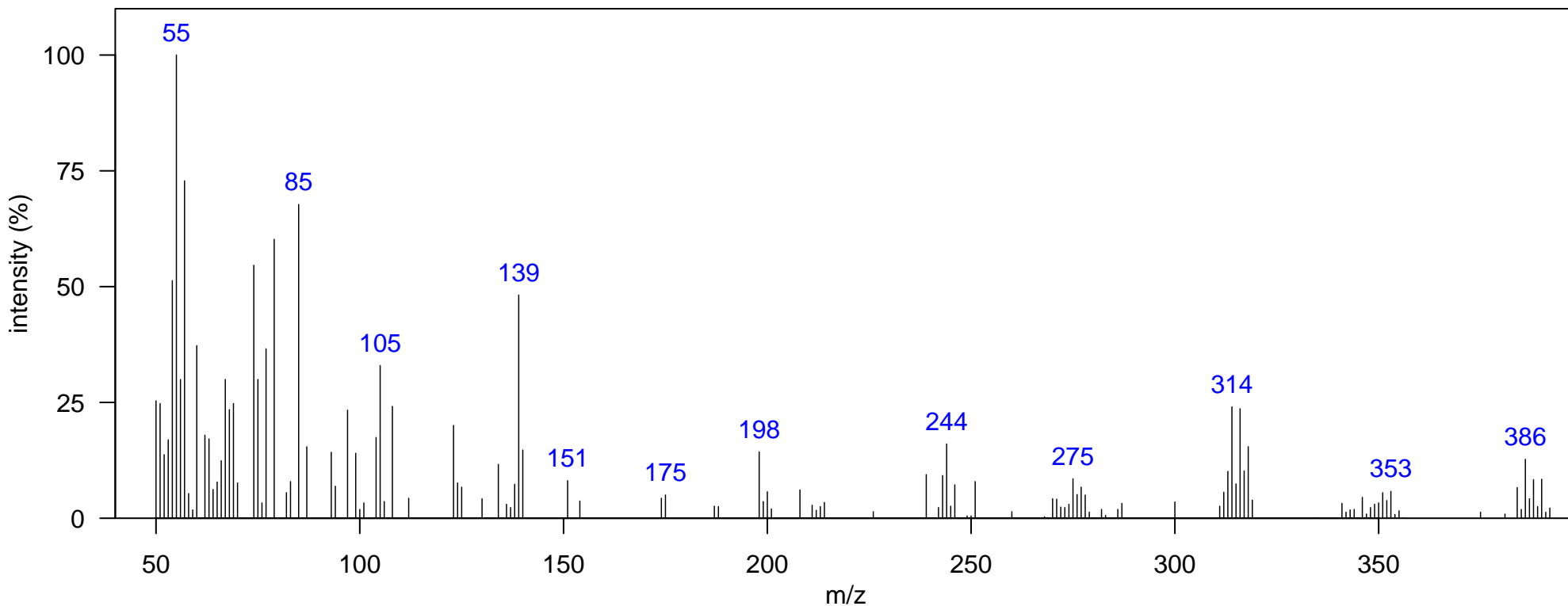
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment: Suggested DDE backbone structure, but containing 6 chlorines



m/z [Fragment]
314 [M-2Cl] ⁺
349 [M-Cl] ⁺
384 M ⁺

Name: DDT related 16

Class: DDT-related

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1481.5, 1.399

Elemental Formula: C₁₄H₆Cl₆

Ecotype: offshore

Quantitative Ion m/z: 386

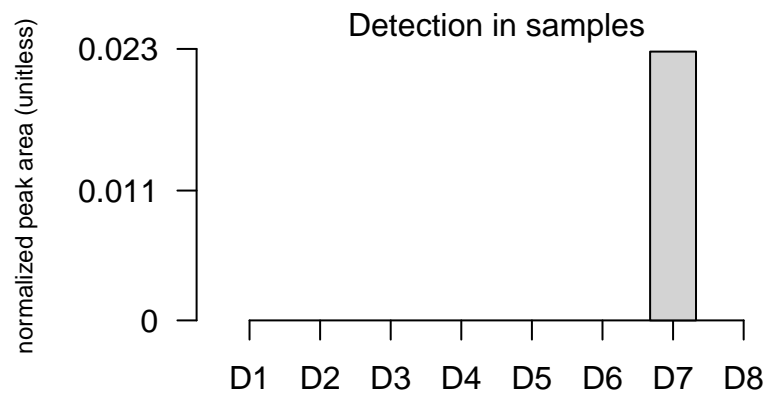
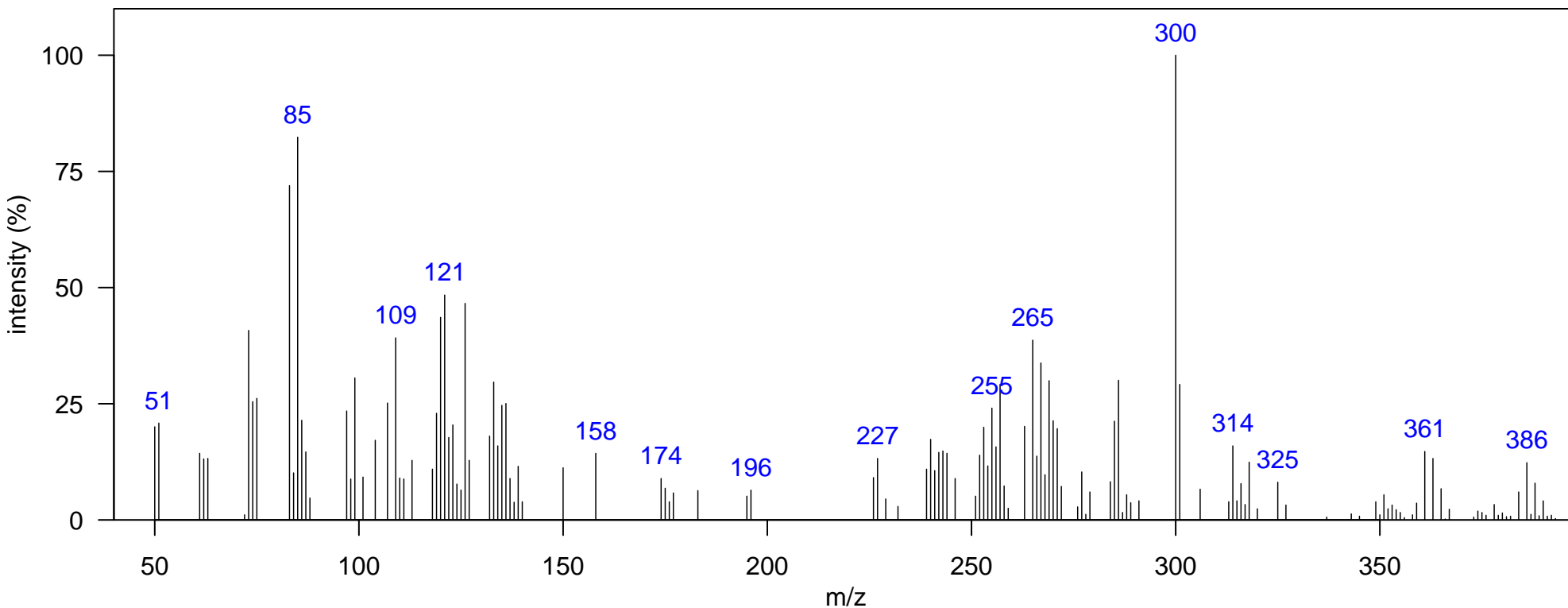
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment: Suggested DDE backbone structure, but containing 6 chlorines



m/z [Fragment]
314 [M-2Cl] ⁺
349 [M-Cl] ⁺
384 M ⁺

Name: DDT related 17

Class: DDT-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1523.47, 1.393

Elemental Formula: C₁₄H₆Cl₆

Ecotype: coastal

Quantitative Ion m/z: 386

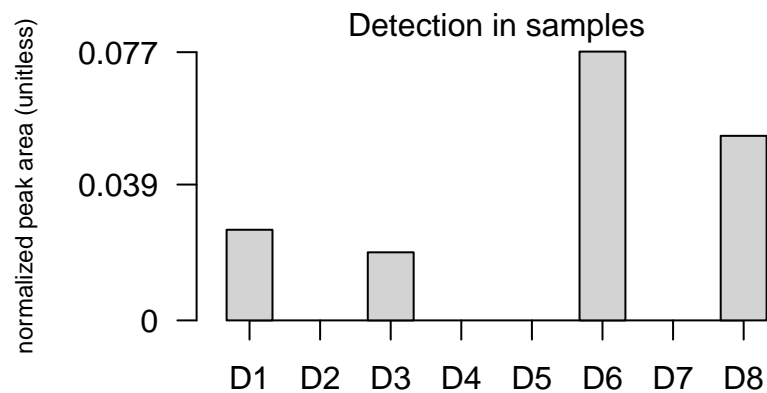
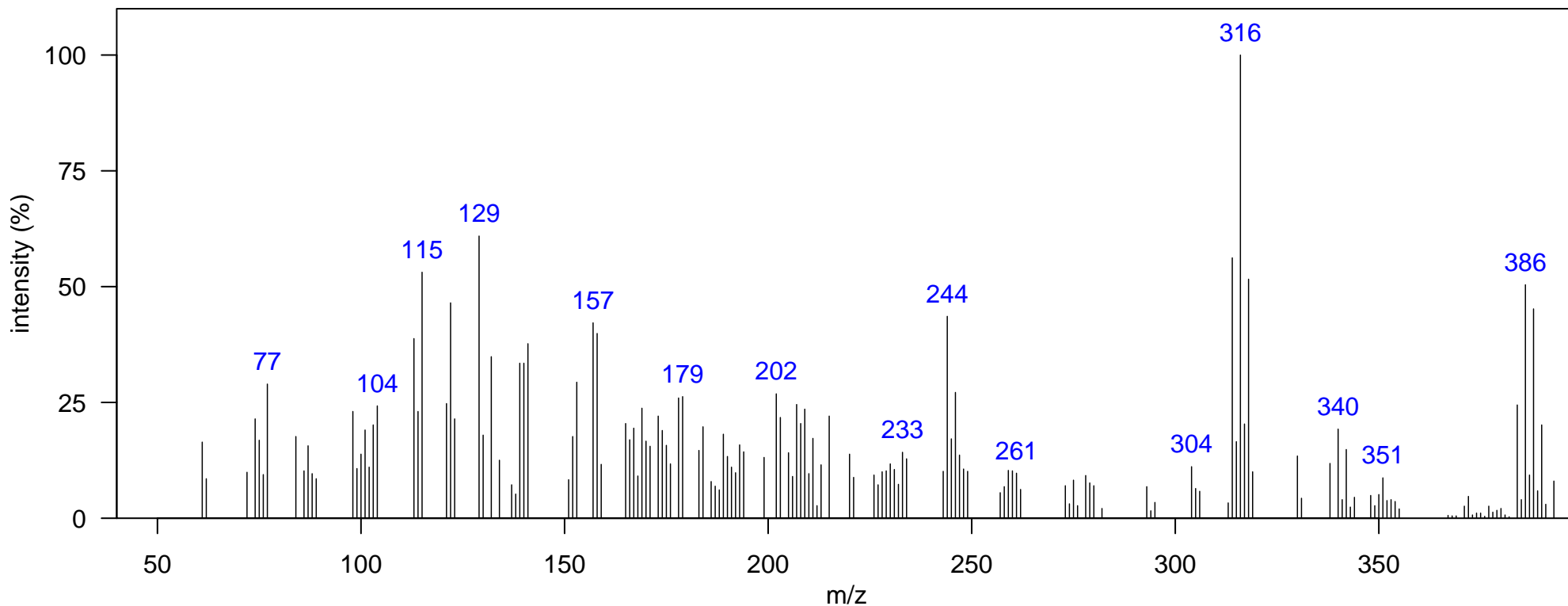
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DDT related 1

Identification: Manual-Congener Group

Comment: Suggested DDE backbone structure, but containing 6 chlorines



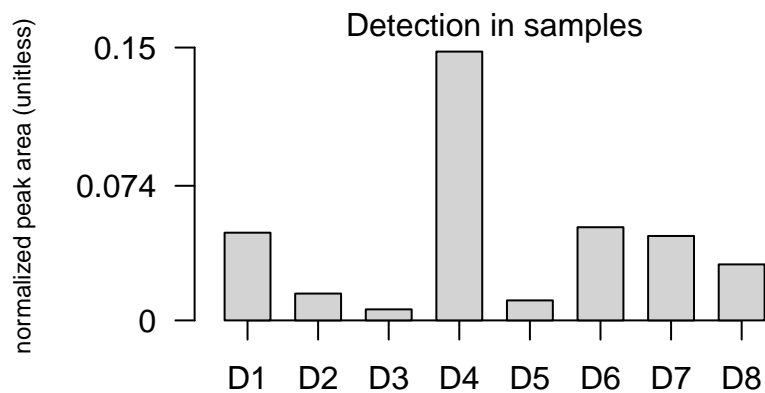
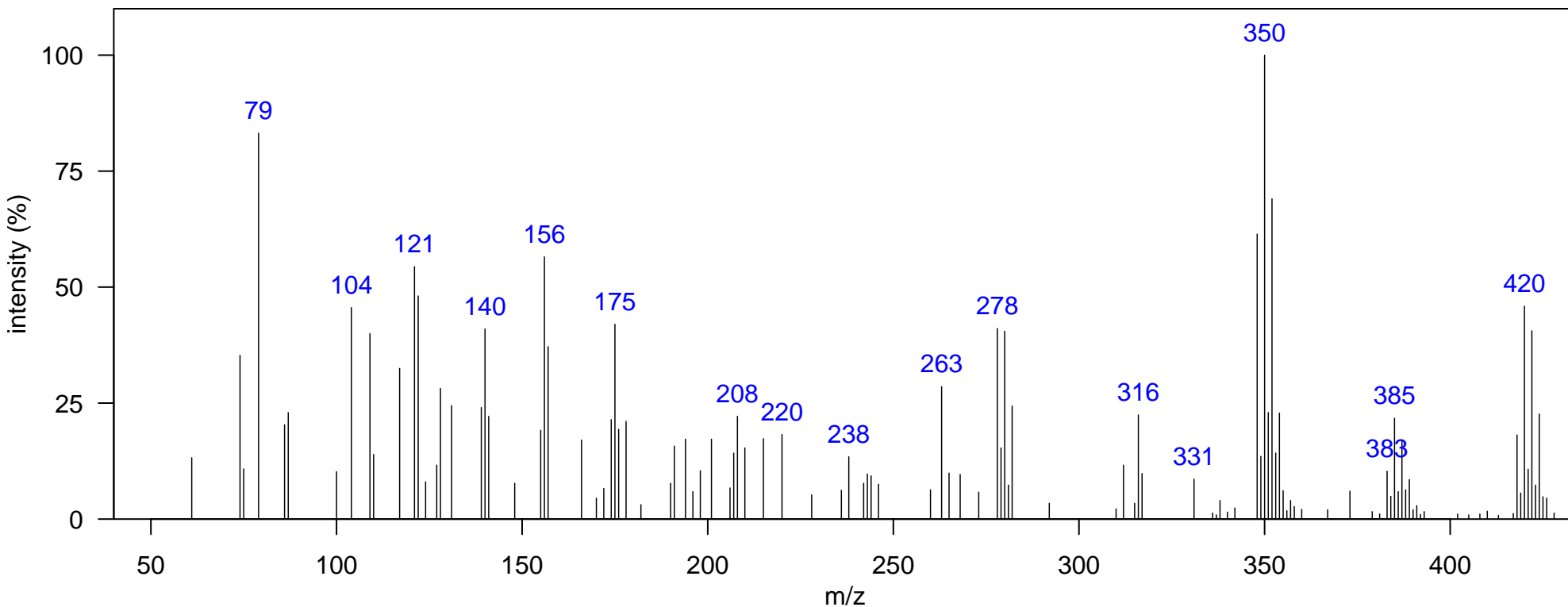
m/z [Fragment]
314 [M-2Cl] ⁺
349 [M-Cl] ⁺
384 M ⁺

Name: DDT related 18

Class: DDT-related

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1551.46, 1.485
Ecotype: offshore Quantitative Ion m/z: 420
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: DDT related 2&3
Comment: Suggested DDE backbone structure, but containing 7 chlorines

Elemental Formula: C₁₄H₅Cl₇
Source: anthropogenic
Identification: Manual-Congener Group



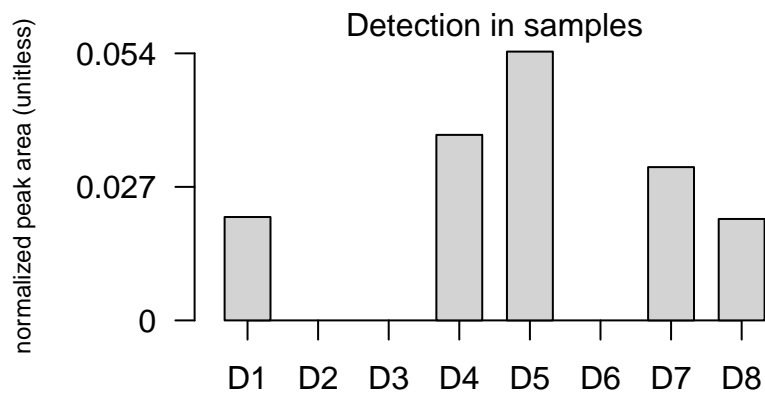
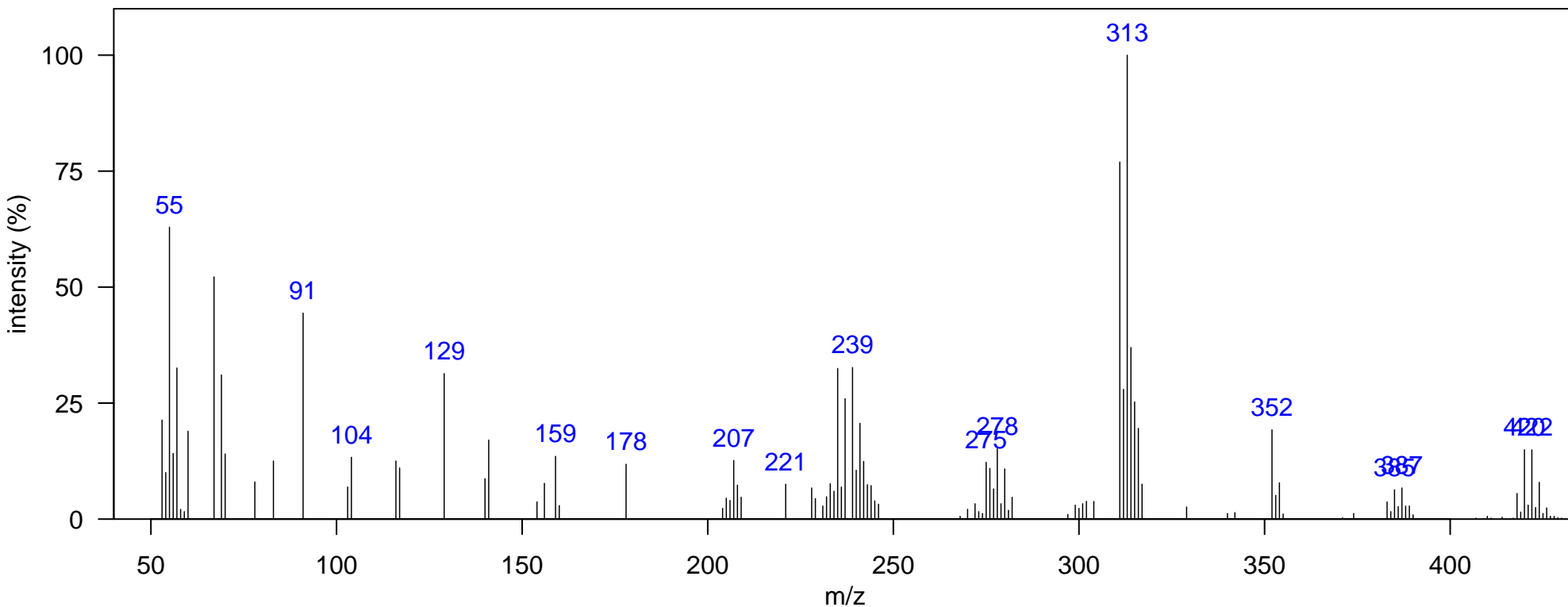
m/z [Fragment]
278 [M-Cl ₄] ⁺
348 [M-Cl ₂] ⁺
383 [M-Cl] ⁺
418 M ⁺

Name: DDT related 19

Class: DDT-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1558.45, 1.525
Ecotype: coastal Quantitative Ion m/z: 420
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: DDT related 2&3
Comment: Suggested DDE backbone structure, but containing 7 chlorines

Elemental Formula: C₁₄H₅Cl₇
Source: anthropogenic
Identification: Manual-Congener Group



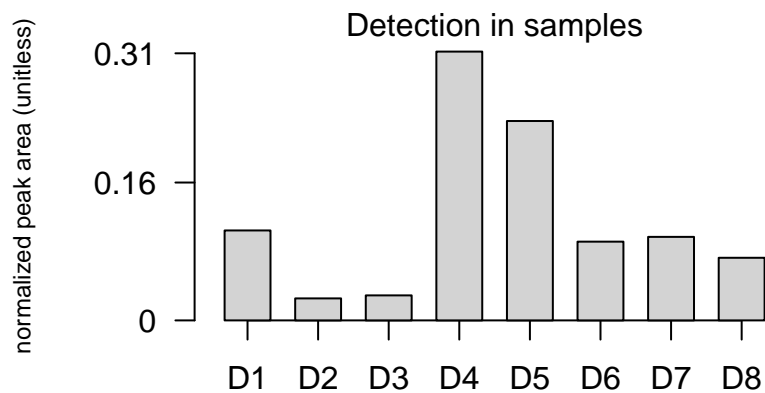
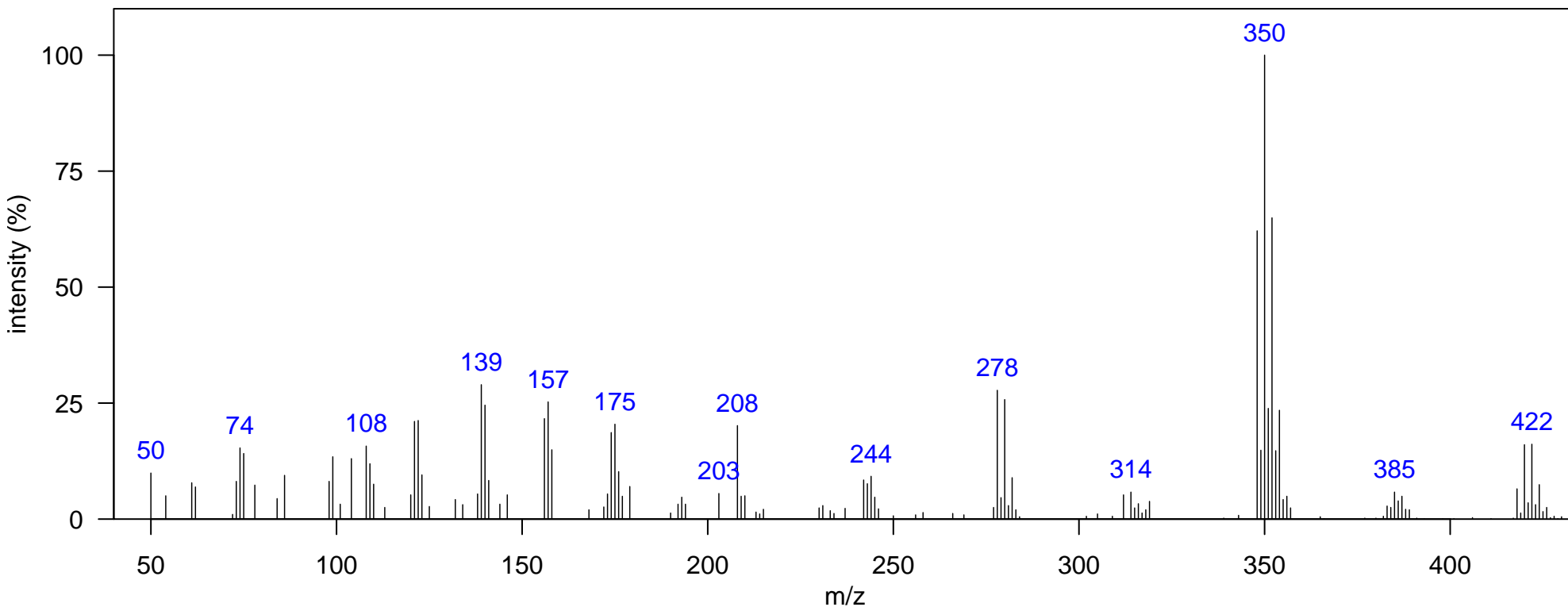
m/z [Fragment]
278 [M-Cl ₄] ⁺
348 [M-Cl ₂] ⁺
383 [M-Cl] ⁺
418 M ⁺

Name: DDT related 20

Class: DDT-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1582.94, 1.571
Ecotype: coastal Quantitative Ion m/z: 350
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: DDT related 2&3
Comment: Suggested DDE backbone structure, but containing 7 chlorines

Elemental Formula: C₁₄H₅Cl₇
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
278 [M-Cl ₄] ⁺
348 [M-Cl ₂] ⁺
383 [M-Cl] ⁺
418 M ⁺

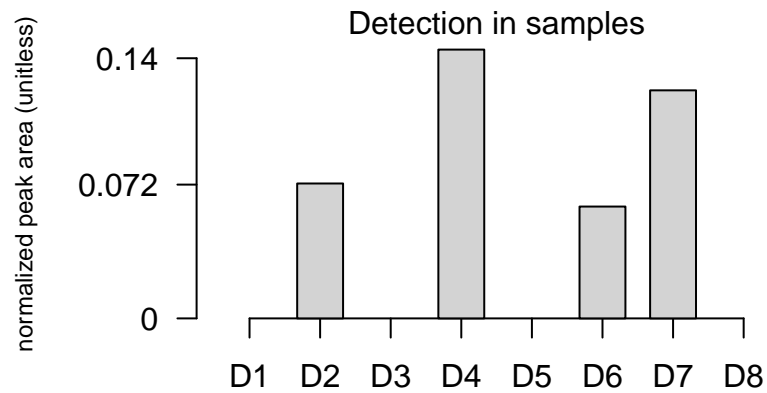
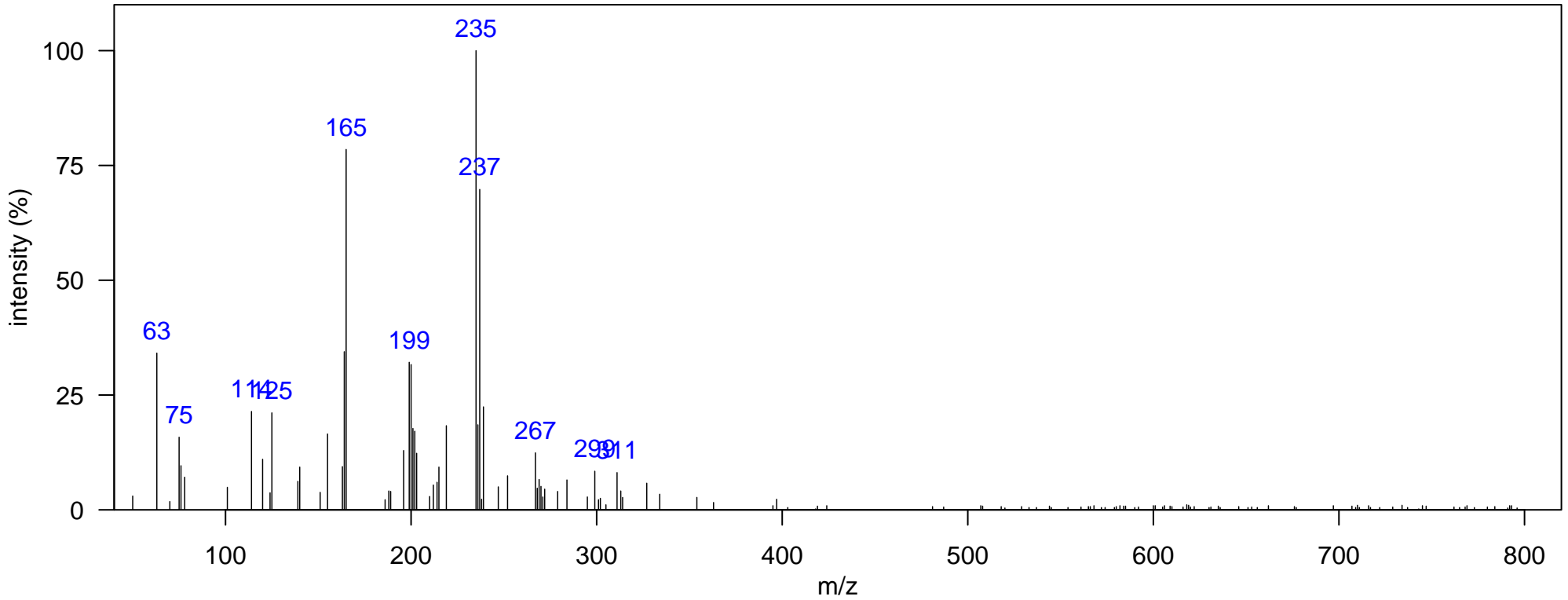
Name: DDT related 21

Class: DDT-related

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1617.92, 1.815
Ecotype: offshore
Instrument: GCxGC-TOF, EI, 70 eV
Comment:

Quantitative Ion m/z: 235
Atlantic Lib:

Elemental Formula:
Source: anthropogenic
Identification: Manual



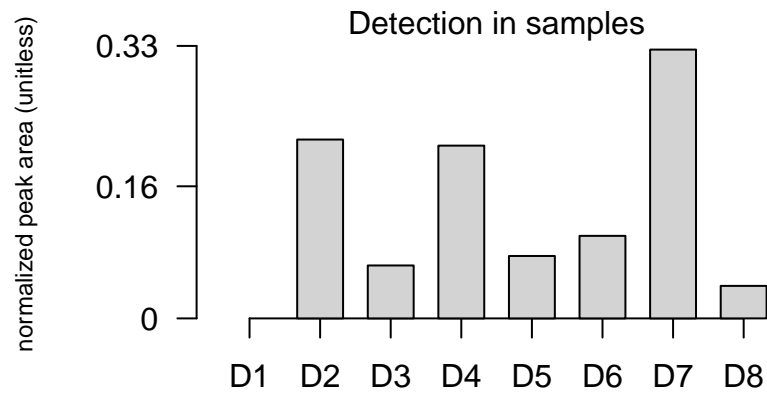
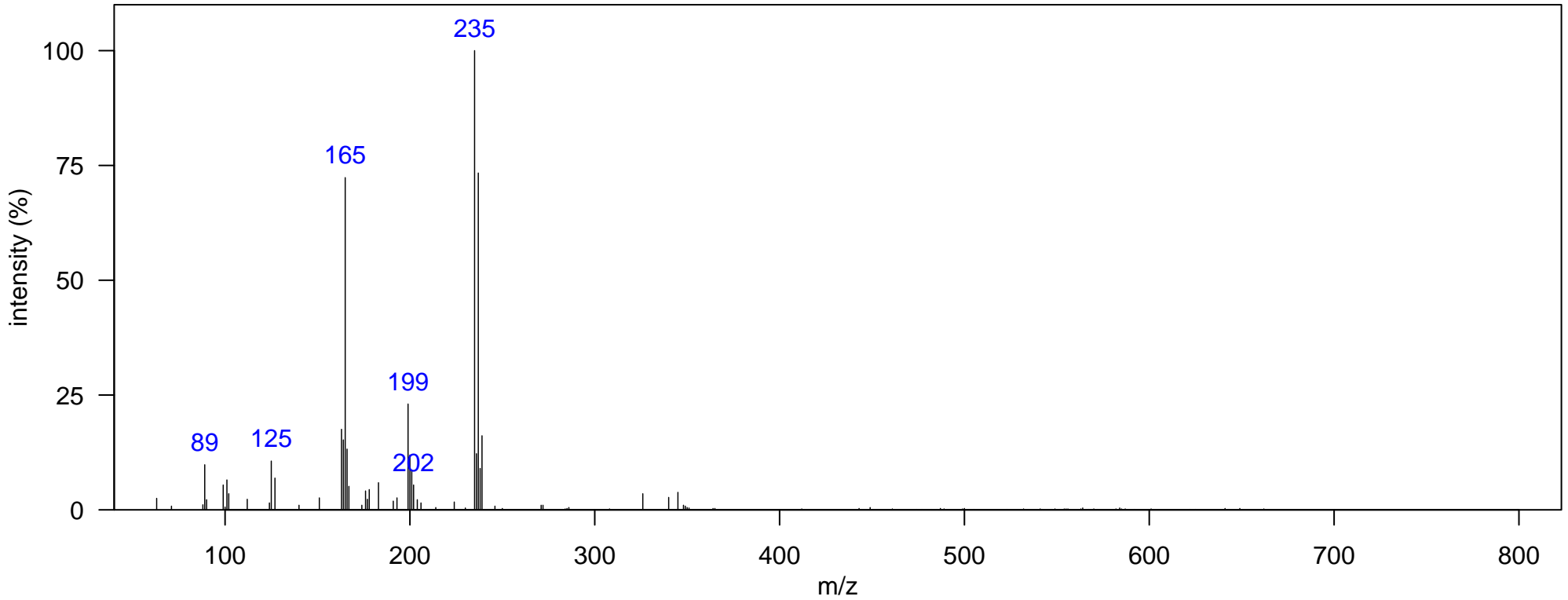
m/z [Fragment]

Name: DDT related 22

Class: DDT-related

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1652.9, 1.934
Ecotype: offshore Quantitative Ion m/z: 235
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula:
Source: anthropogenic
Identification: Manual



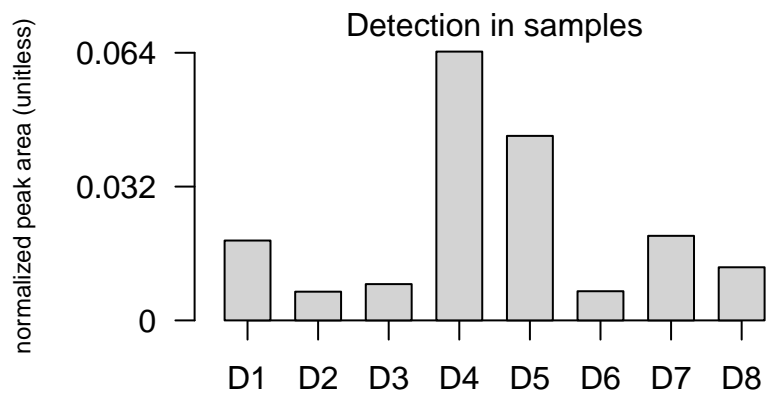
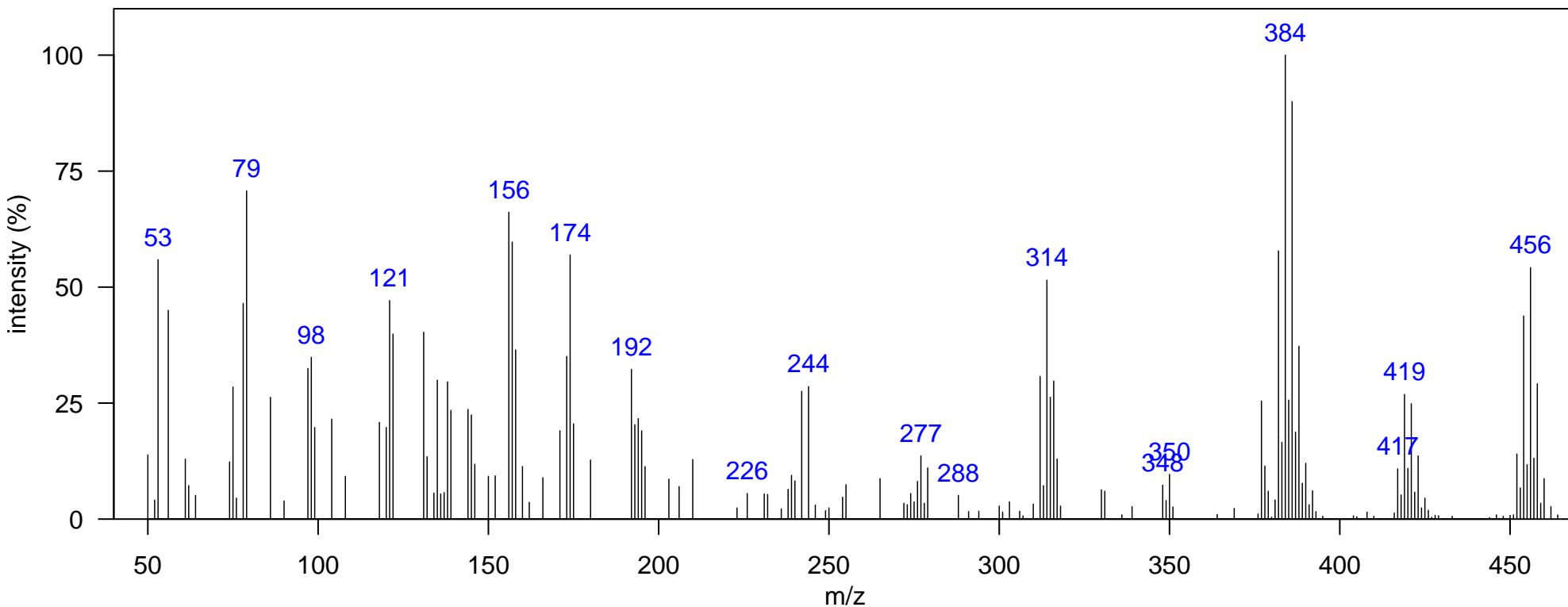
m/z [Fragment]
165 [Frag-Cl ₂] ⁺
235 [Frag] ⁺

Name: DDT related 23

Class: DDT-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1659.89, 1.861
Ecotype: coastal Quantitative Ion m/z: 456
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: Suggested DDE backbone

Elemental Formula: C₁₄H₄Cl₈
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
382 [M-Cl ₂] ⁺
417 [M-Cl] ⁺
452 M ⁺

Name: TCPM 2CI

Class: TCPM

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1547.96, 1.089

Elemental Formula: C₁₉H₁₄Cl₂

Ecotype: coastal

Quantitative Ion m/z: 275

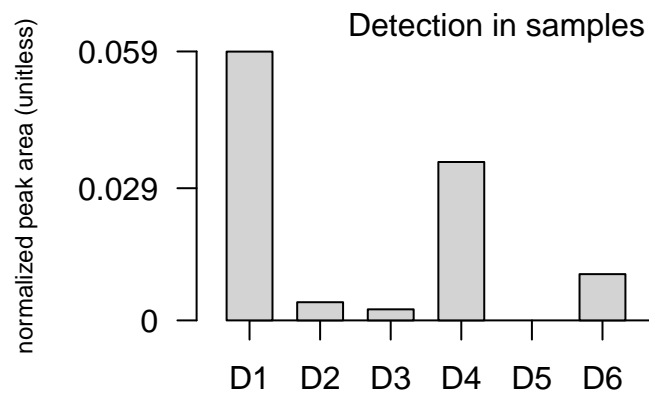
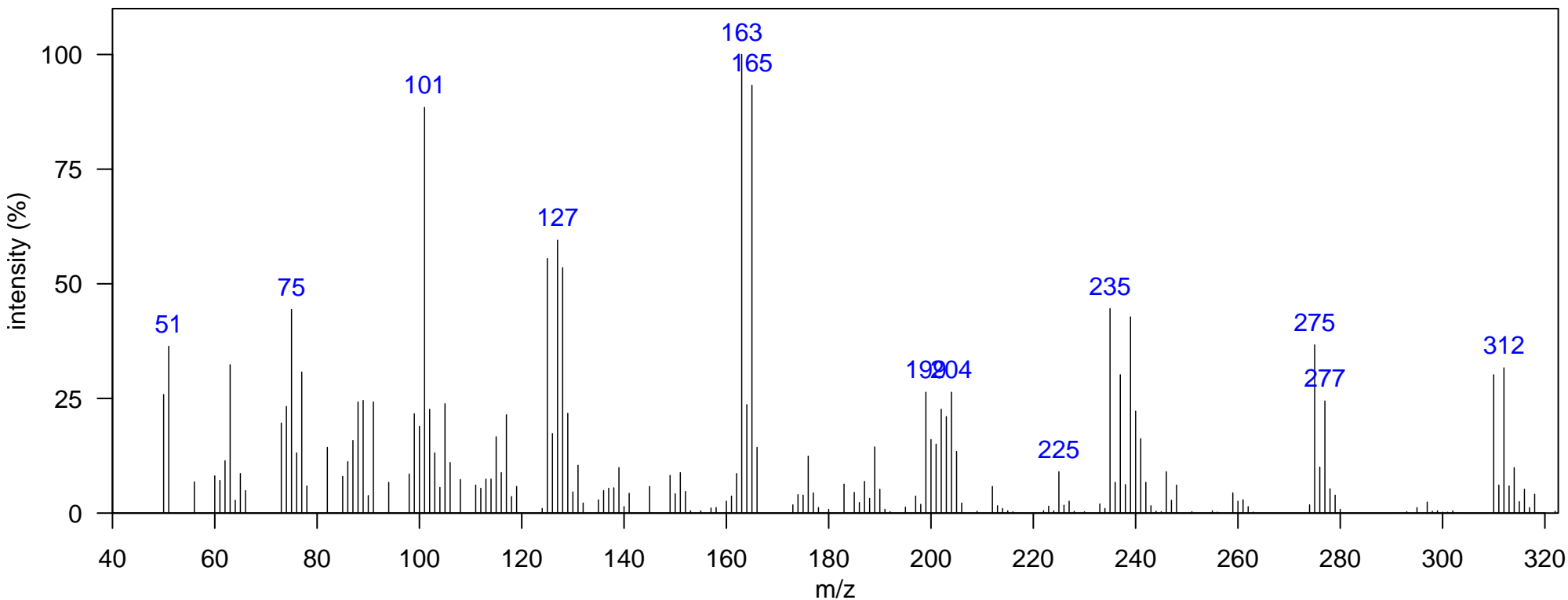
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: TCPM isomer 1 and isomer 2

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
275 [M-HCl ₂] ⁺
311 [M-Cl] ⁺
346 M ⁺

Name: TCPM 1

Class: TCPM

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1484.99, 1.531

Elemental Formula: C₁₉H₁₃Cl₃

Ecotype: coastal

Quantitative Ion m/z: 311

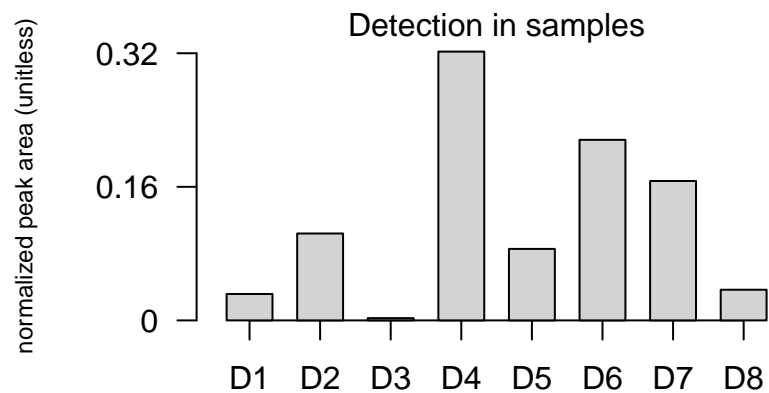
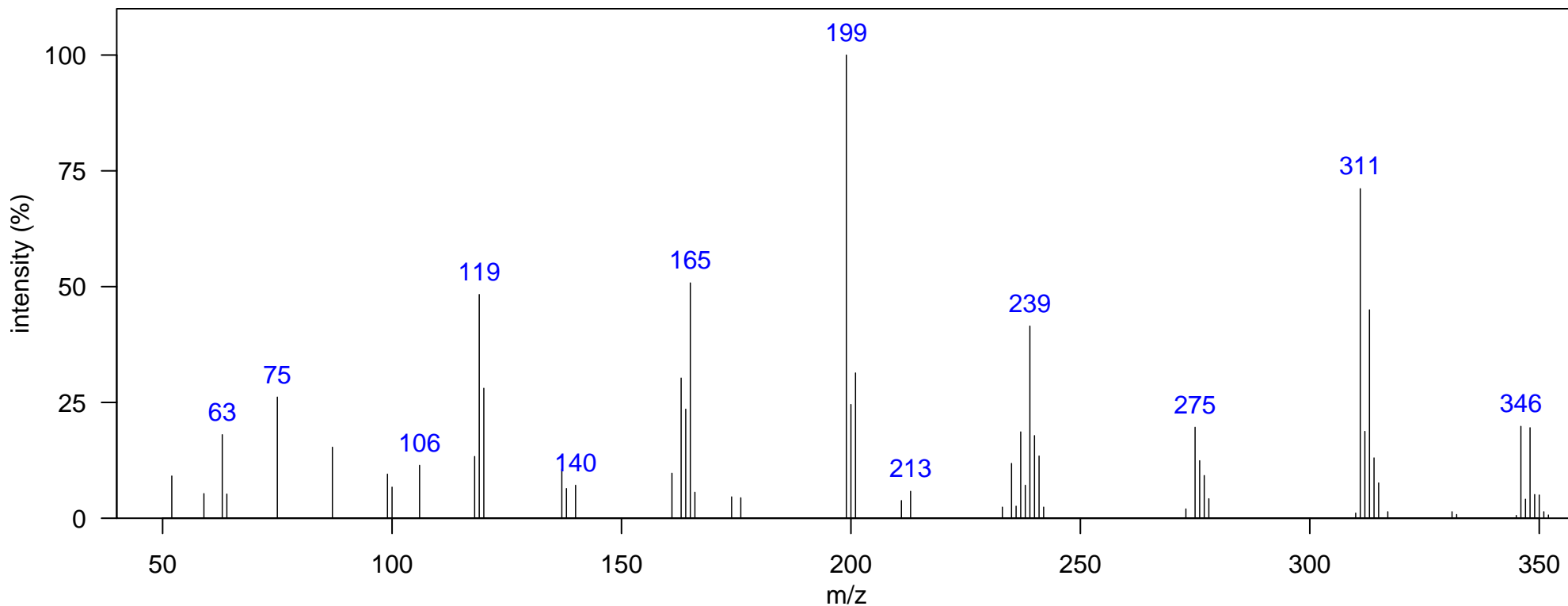
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: TCPM isomer 1 and isomer 2

Identification: Authentic MS

Comment:



m/z [Fragment]
275 [M-HCl ₂] ⁺
311 [M-Cl] ⁺
346 M ⁺

Name: TCPM 2

Class: TCPM

Sample: SoCal dolphin blubber D4, JEH0504

1D RT, 2D RT (s): 1502.48, 1.498

Elemental Formula: C₁₉H₁₃Cl₃

Ecotype: offshore

Quantitative Ion m/z: 311

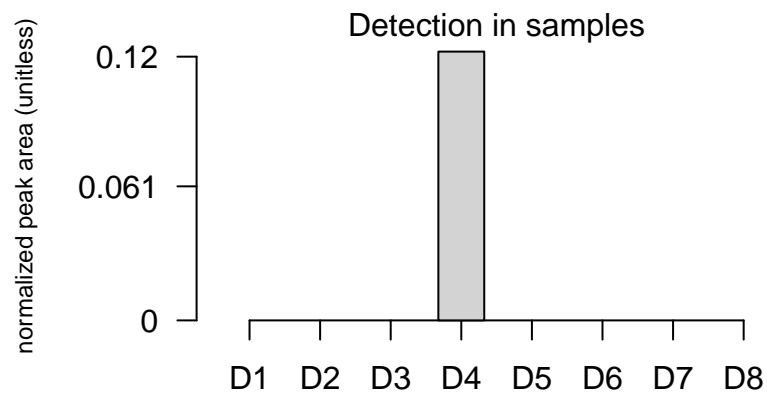
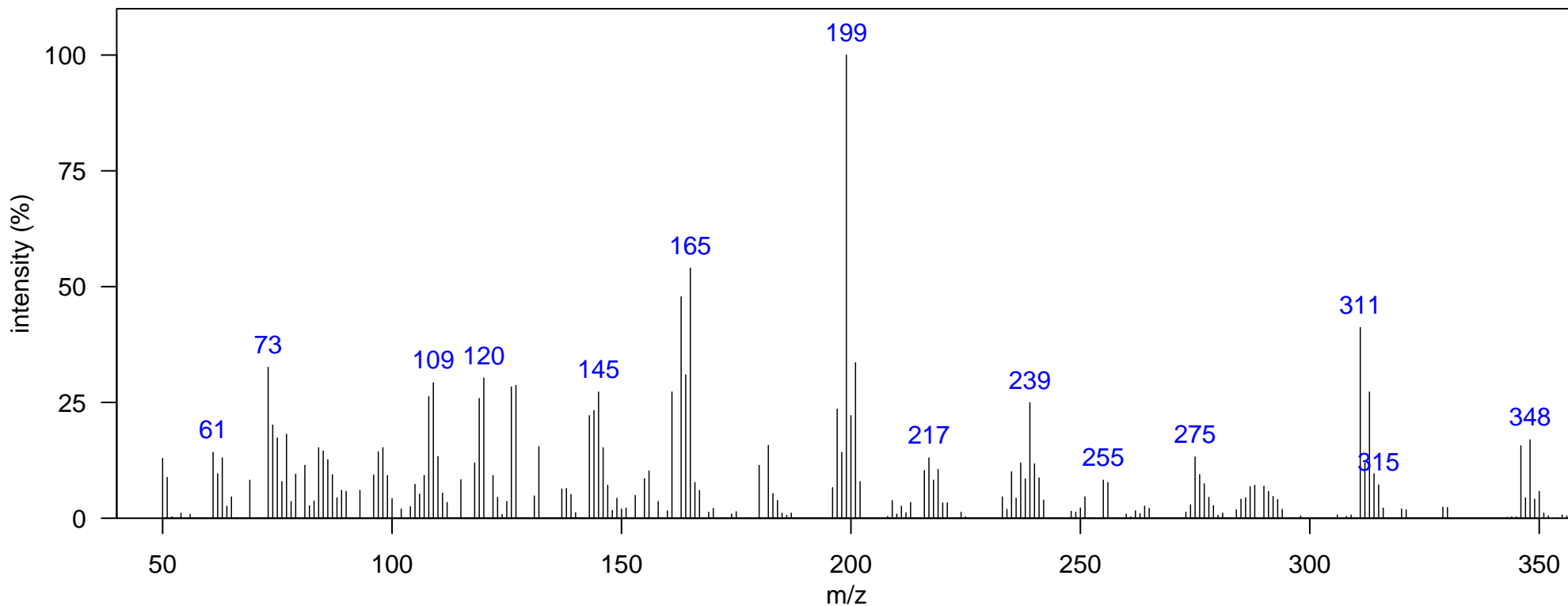
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: TCPM isomer 1 and isomer 2

Identification: Authentic MS

Comment:



m/z [Fragment]
311 [M-Cl] ⁺
346 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1519.97, 1.538

Elemental Formula: C₁₉H₁₃Cl₃

Ecotype: coastal

Quantitative Ion m/z: 311

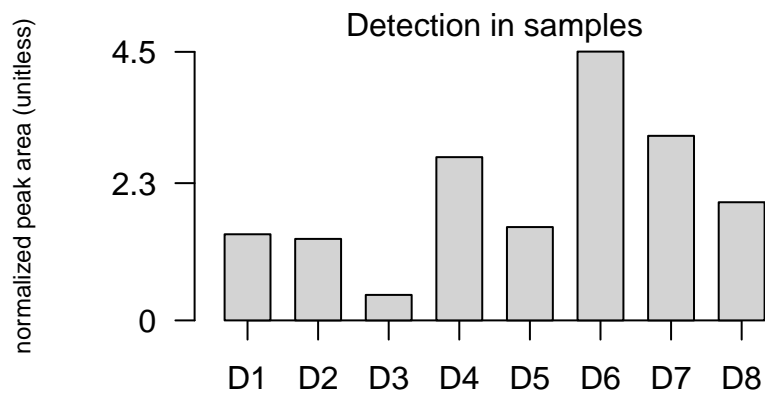
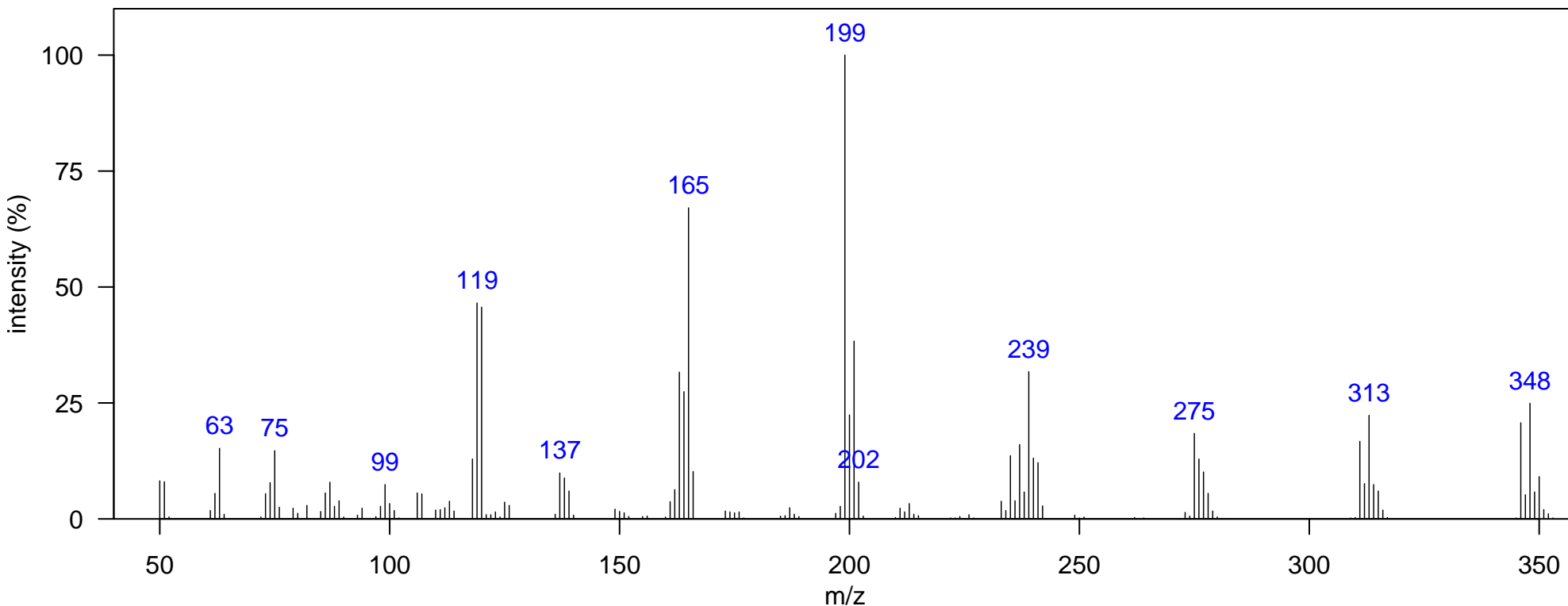
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: TCPM isomer 1 and isomer 2

Identification: Authentic MS

Comment:



m/z [Fragment]
275 [M-HCl ₂] ⁺
311 [M-Cl] ⁺
346 M ⁺

Name: TCPM 4

Class: TCPM

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1540.96, 1.544

Elemental Formula: C₁₉H₁₃Cl₃

Ecotype: coastal

Quantitative Ion m/z: 311

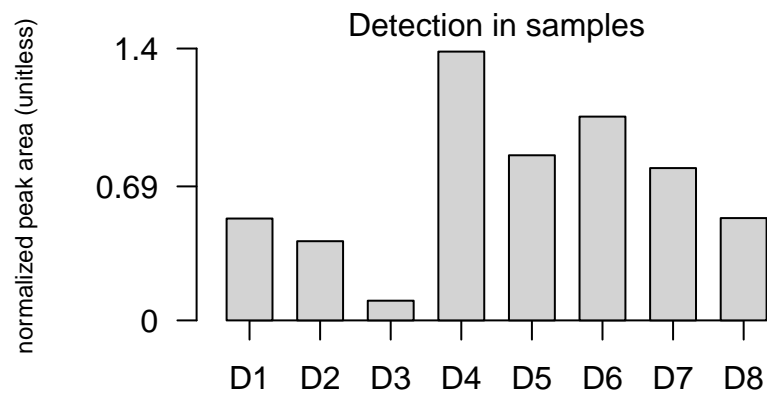
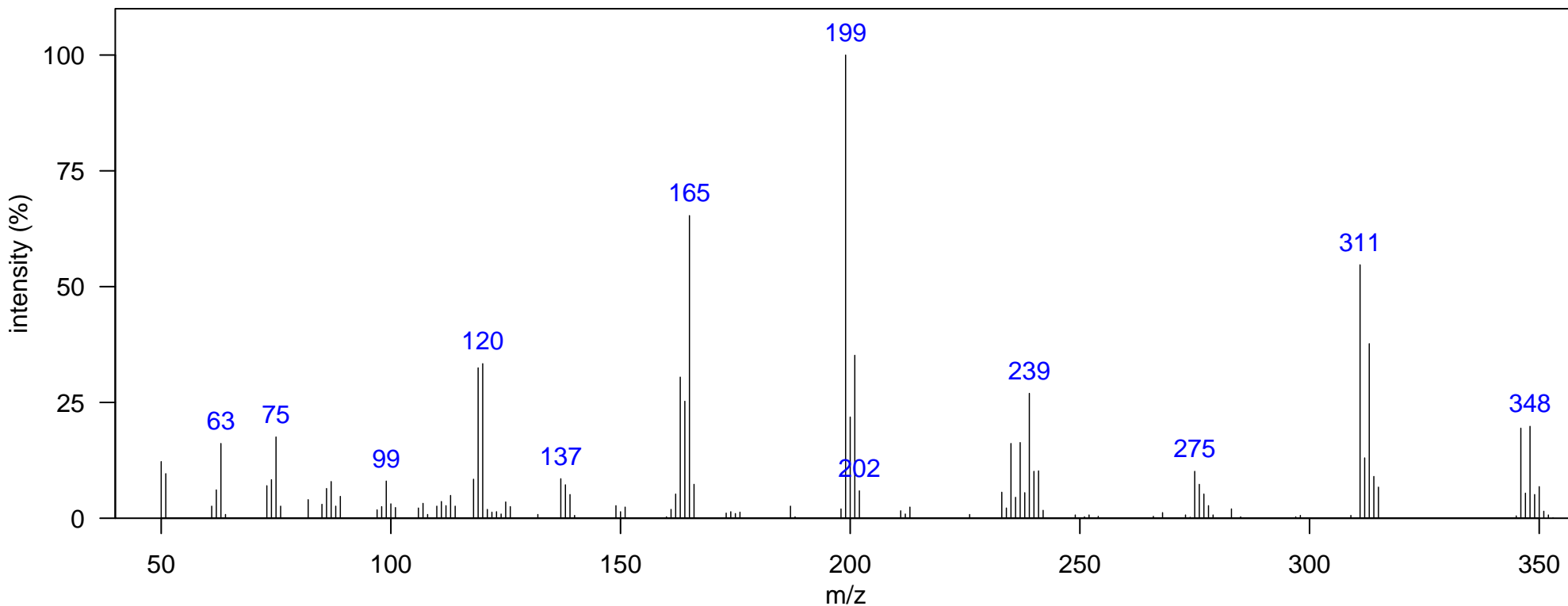
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: TCPM isomer 1 and isomer 2

Identification: Authentic MS

Comment:



m/z [Fragment]
275 [M-HCl ₂] ⁺
311 [M-Cl] ⁺
346 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1558.45, 1.61

Elemental Formula: C₁₉H₁₃Cl₃

Ecotype: coastal

Quantitative Ion m/z: 311

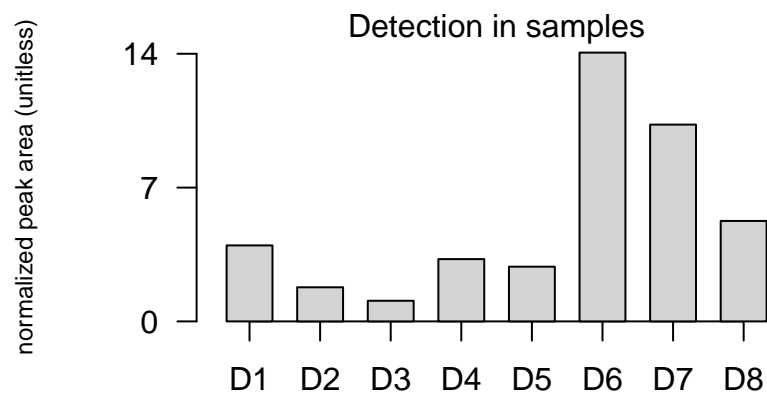
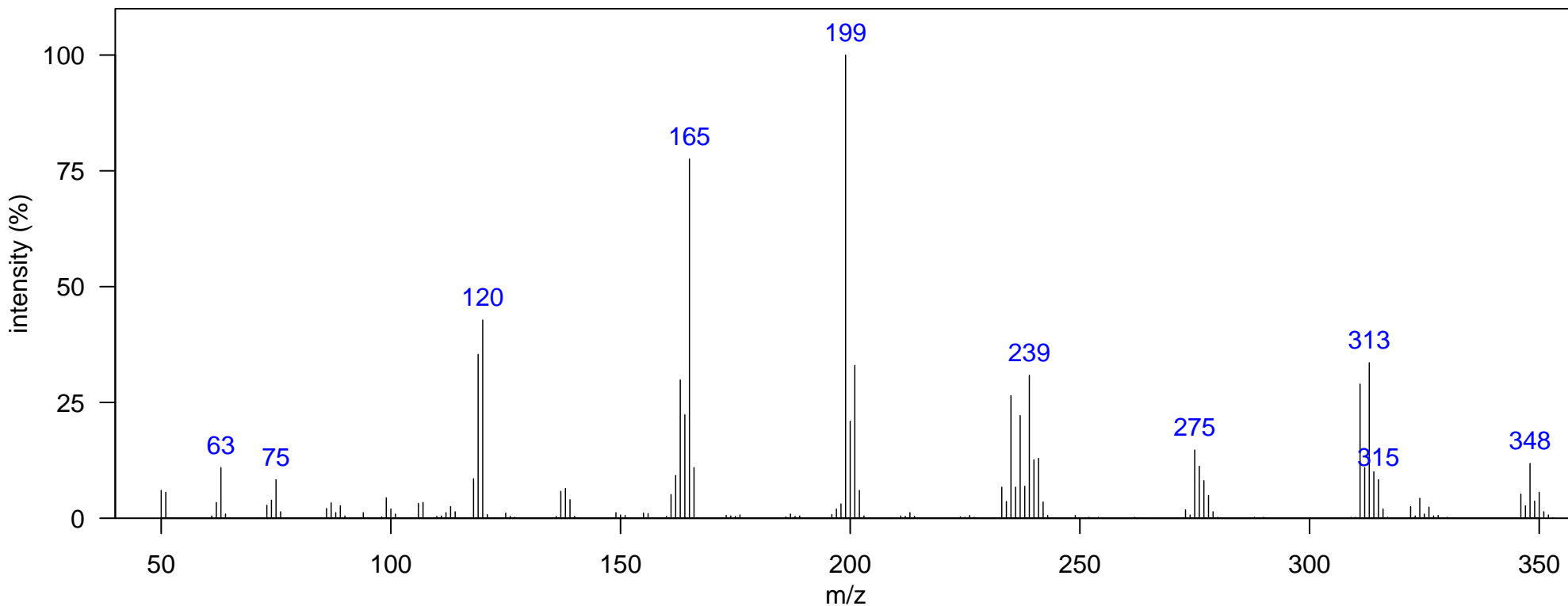
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: TCPM isomer 1 and isomer 2

Identification: Authentic MS

Comment:



m/z [Fragment]
275 [M-HCl ₂] ⁺
311 [M-Cl] ⁺
346 M ⁺

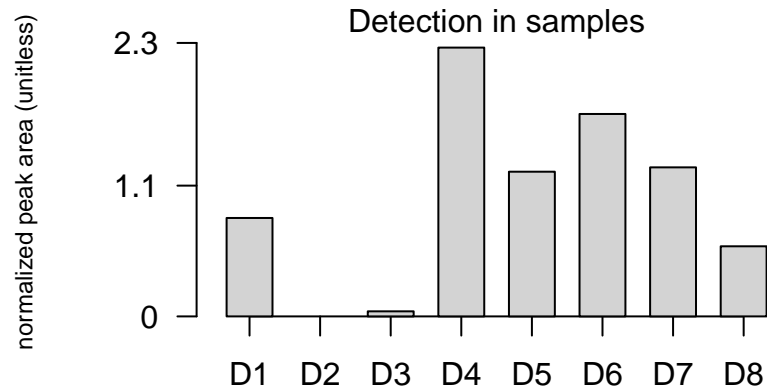
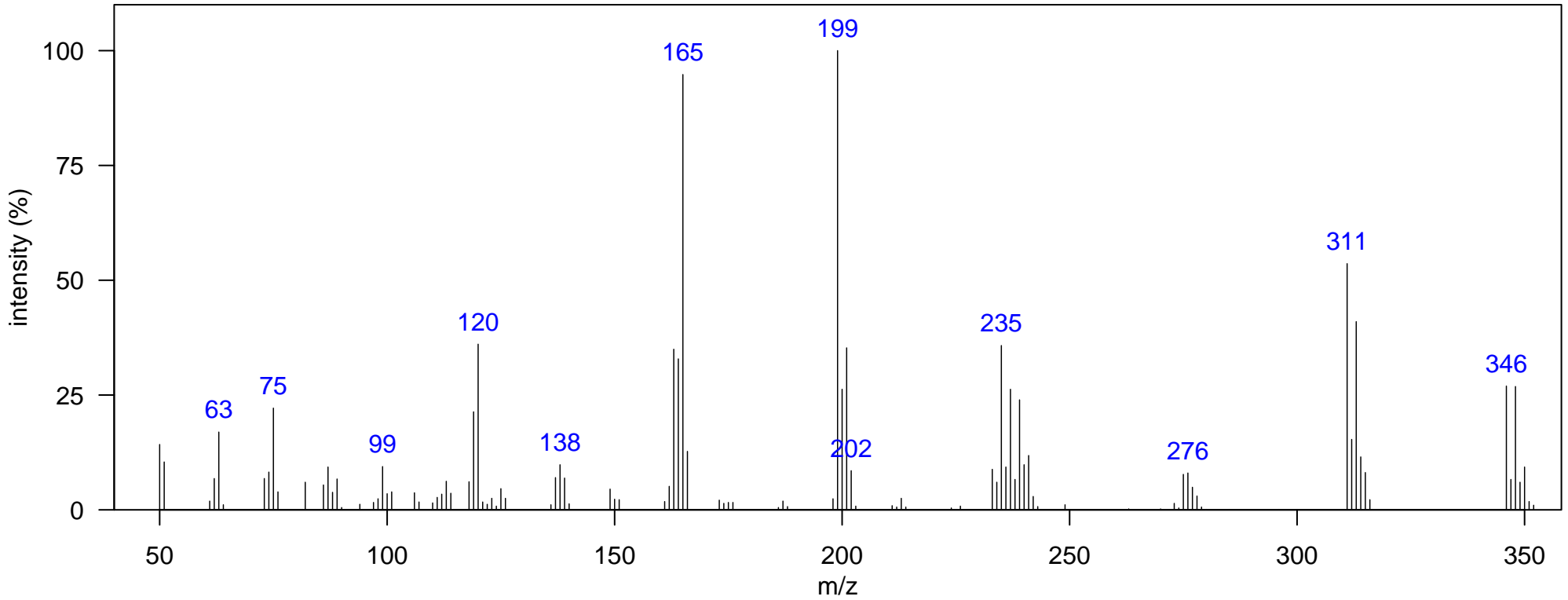
Name: TCPM 6

Class: TCPM

Sample: SoCal dolphin blubber D1, KZP0086
Ecotype: coastal
Instrument: GCxGC-TOF, EI, 70 eV
Comment:

1D RT, 2D RT (s): 1579.44, 1.65
Quantitative Ion m/z: 311
Atlantic Lib: TCPM isomer 1 and isomer 2

Elemental Formula: C₁₉H₁₃Cl₃
Source: anthropogenic
Identification: Authentic MS



m/z [Fragment]
275 [M-HCl ₂] ⁺
311 [M-Cl] ⁺
346 M ⁺

Name: Tris(4-chlorophenyl)methane (TCPM)

Class: TCPM

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1596.93, 1.723

Elemental Formula: C₁₉H₁₃Cl₃

Ecotype: coastal

Quantitative Ion m/z: 311

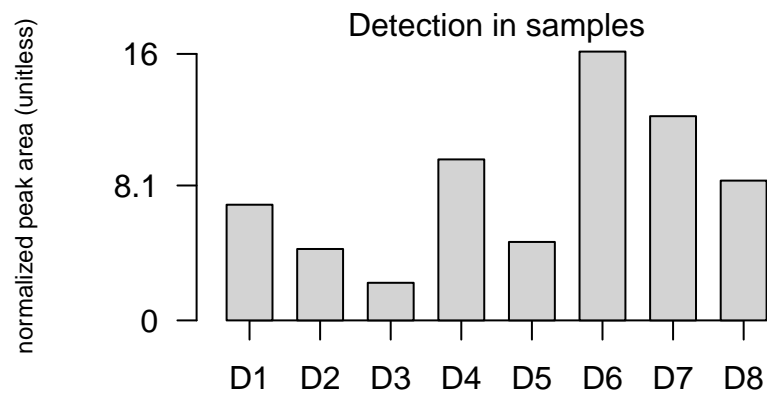
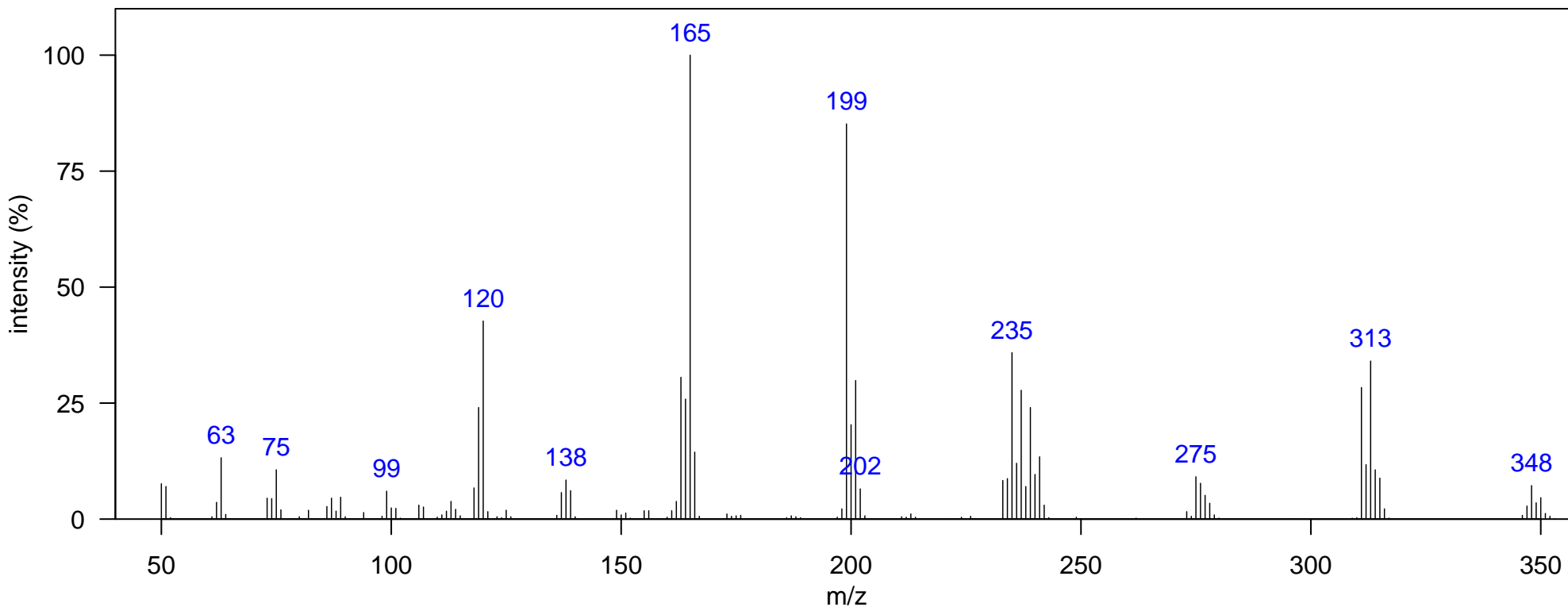
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: TCPM isomer 1 and isomer 2

Identification: Authentic MS RT

Comment:



m/z [Fragment]
275 [M-HCl ₂] ⁺
311 [M-Cl] ⁺
346 M ⁺

Name: TCPM 7

Class: TCPM

Sample: SoCal dolphin blubber D8, KXD0003 1D RT, 2D RT (s): 1673.89, 2.112

Elemental Formula: C₁₉H₁₃Cl₃

Ecotype: coastal

Quantitative Ion m/z: 311

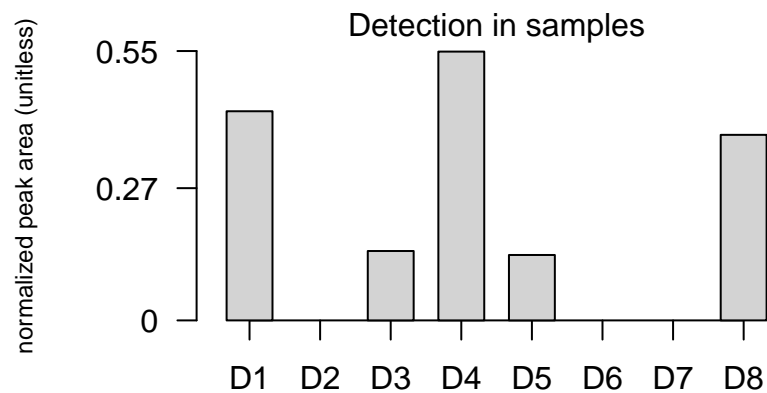
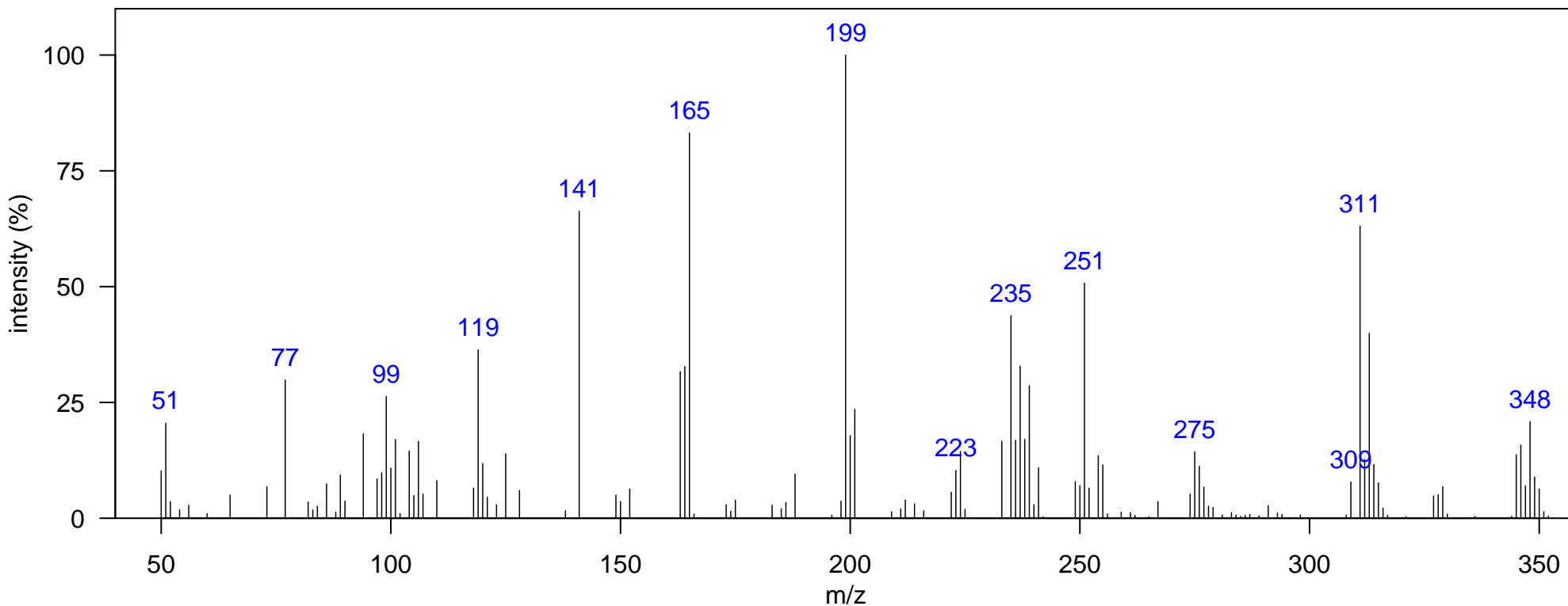
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: TCPM isomer 1 and isomer 2

Identification: Authentic MS

Comment:



m/z [Fragment]
275 [M-HCl ₂] ⁺
311 [M-Cl] ⁺
346 M ⁺

Name: TCPM 4Cl 1

Class: TCPM

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1624.91, 1.789

Elemental Formula: C₁₉H₁₂Cl₄

Ecotype: coastal

Quantitative Ion m/z: 347

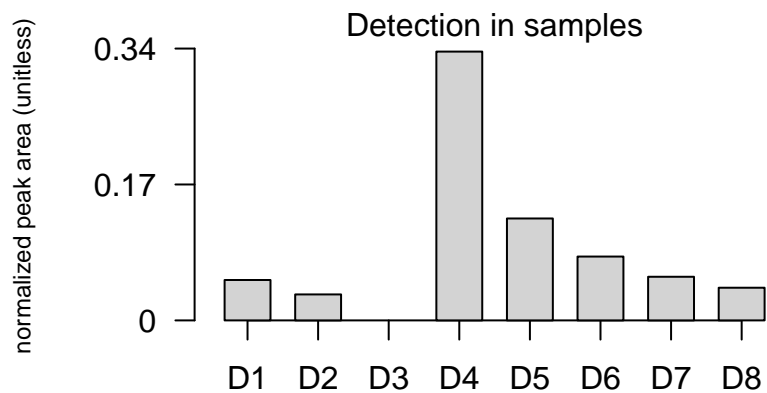
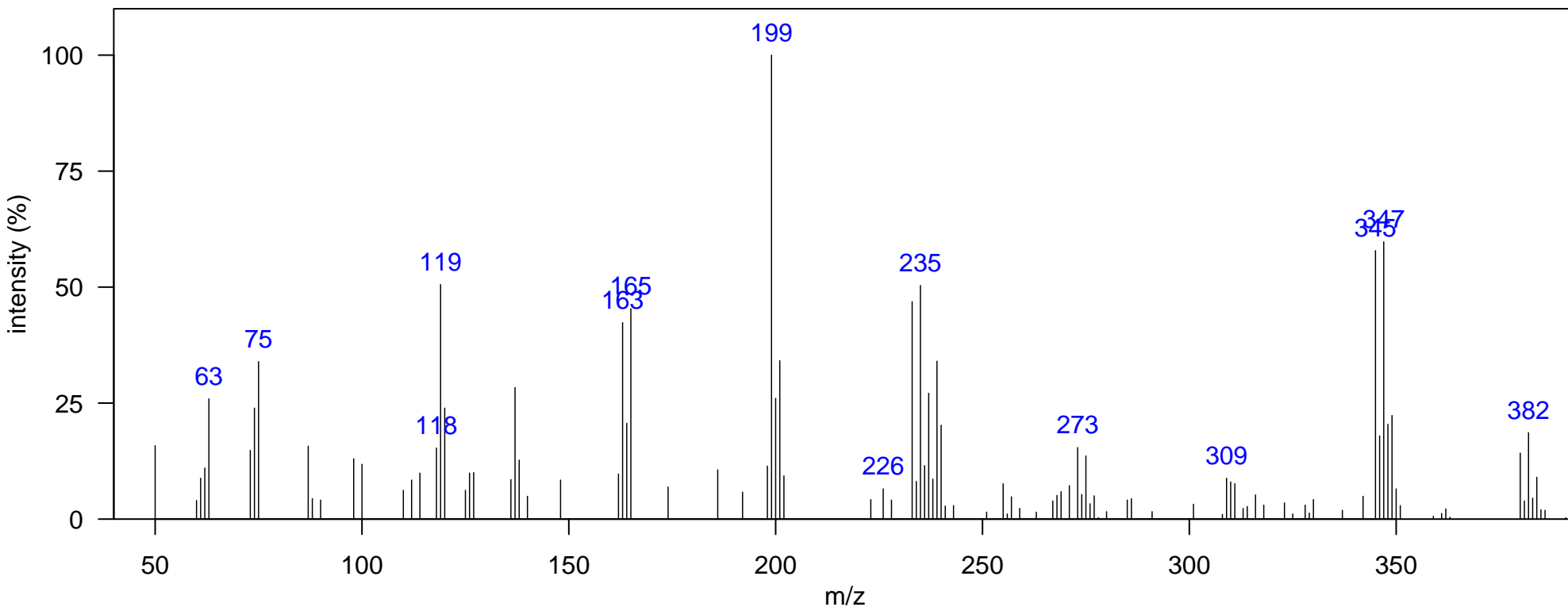
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
309 [M-HCl ₂] ⁺
345 [M-Cl] ⁺
380 M ⁺

Name: TCPM 4Cl 2

Class: TCPM

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1652.9, 1.987

Elemental Formula: C₁₉H₁₂Cl₄

Ecotype: offshore

Quantitative Ion m/z: 347

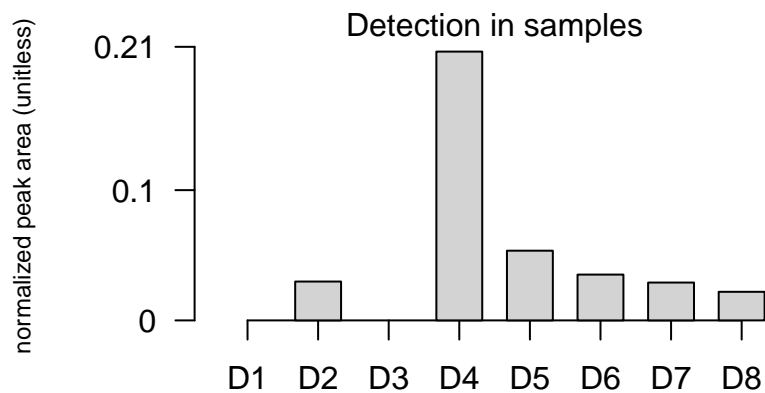
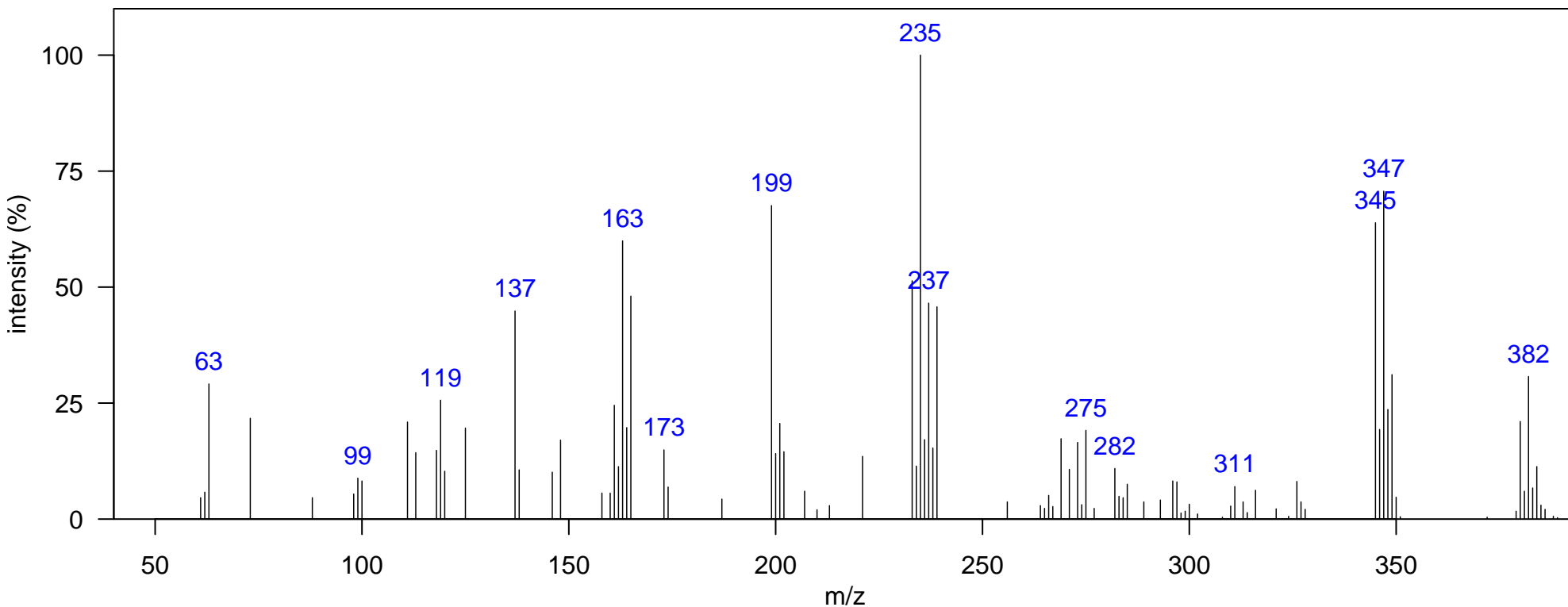
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
309 [M-HCl ₂] ⁺
345 [M-Cl] ⁺
380 M ⁺

Name: TCPM 4Cl 3

Class: TCPM

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1705.37, 1.954

Elemental Formula: C₁₉H₁₂Cl₄

Ecotype: coastal

Quantitative Ion m/z: 347

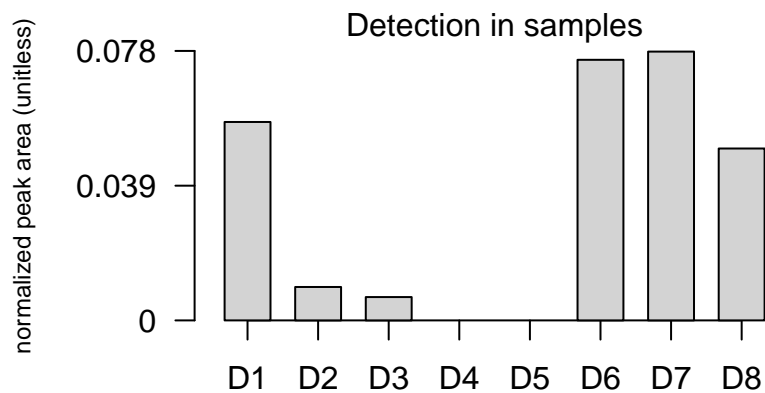
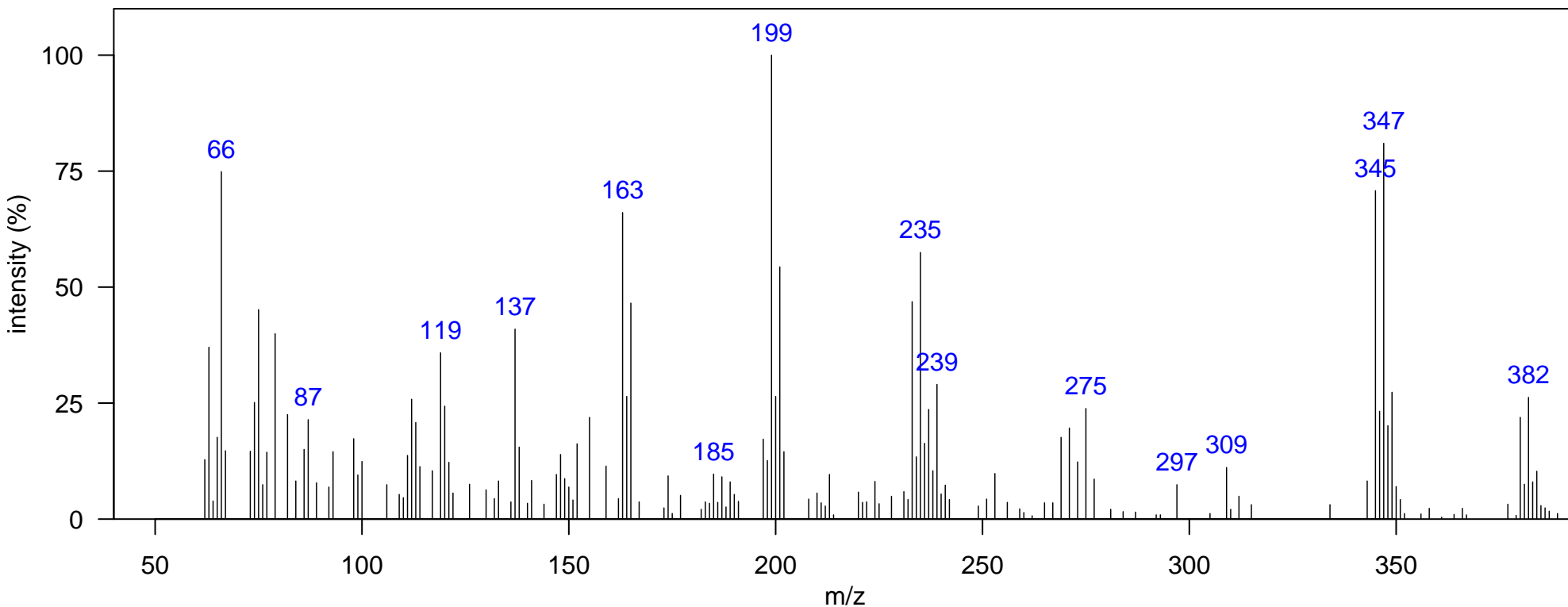
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
309 [M-HCl ₂] ⁺
345 [M-Cl] ⁺
380 M ⁺

Name: Tris(4-chlorophenyl)methanol (TCPME)

Class: TCPMOH

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1677.38, 2.119

Elemental Formula: C₁₉H₁₃Cl₃O

Ecotype: offshore

Quantitative Ion m/z: 139

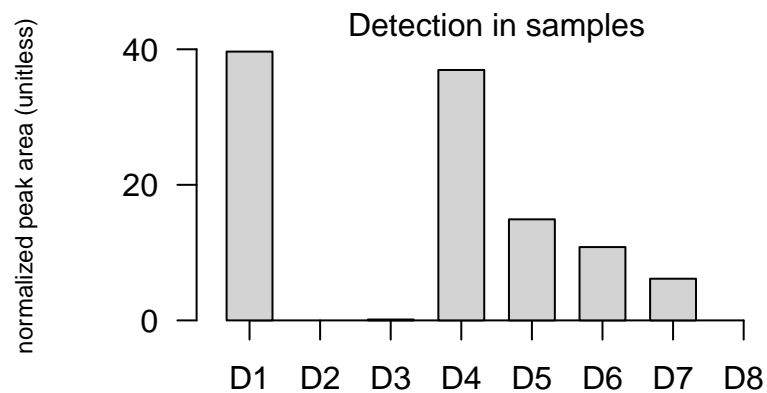
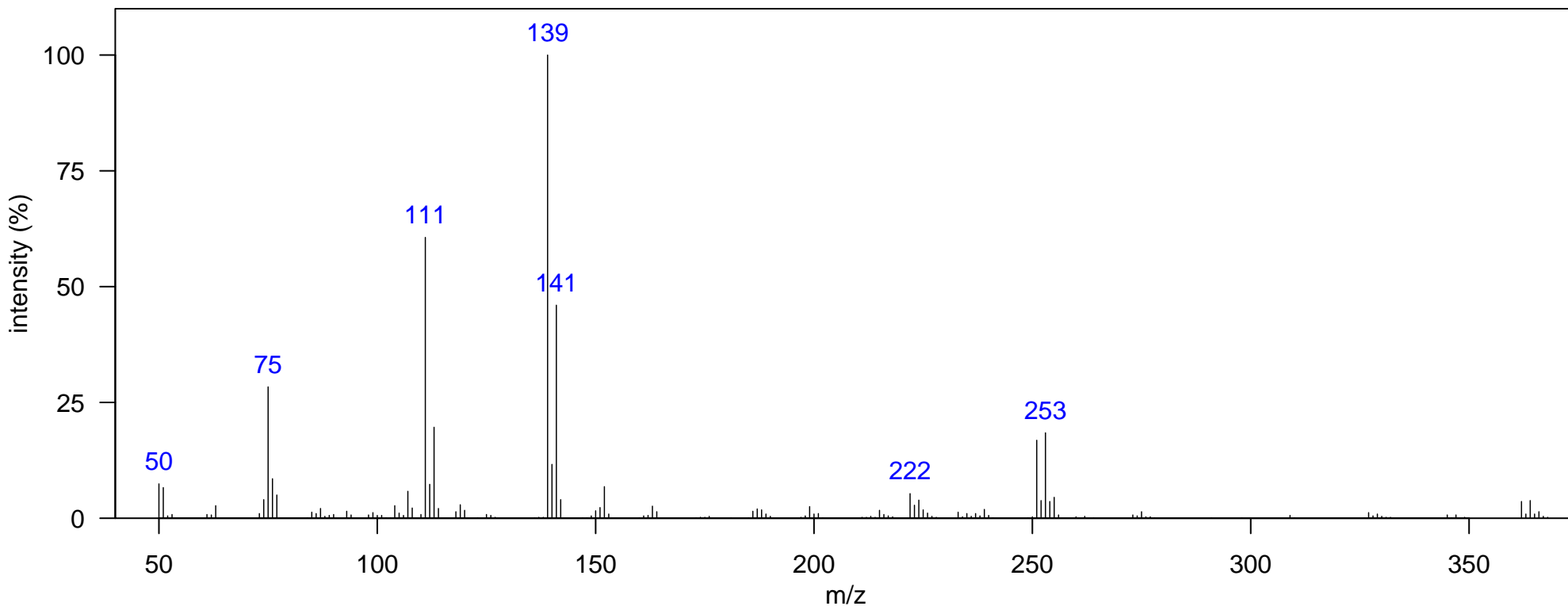
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS RT

Comment:



m/z [Fragment]

Name: toxaphene 1

Class: Toxaphene

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1285.61, 1.208

Elemental Formula: C₈H₇Cl₅

Ecotype: coastal

Quantitative Ion m/z: 245

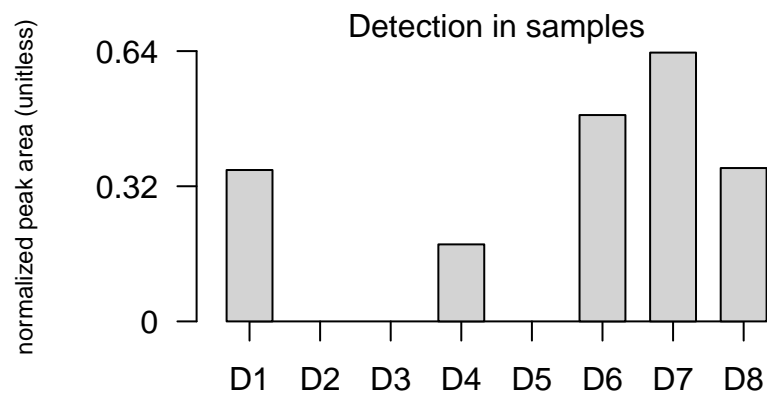
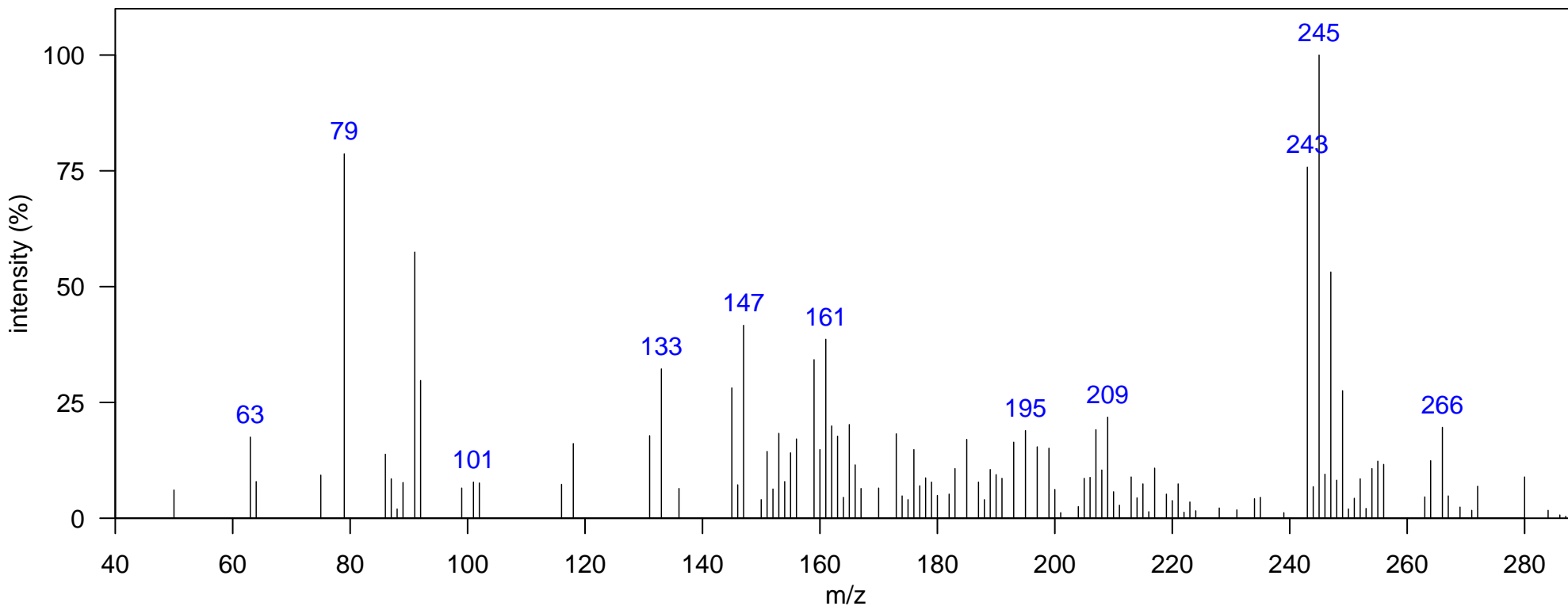
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual

Comment:



m/z [Fragment]

Name: toxaphene 2

Class: Toxaphene

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1422.03, 1.452

Elemental Formula: C₈H₇Cl₅

Ecotype: coastal

Quantitative Ion m/z: 245

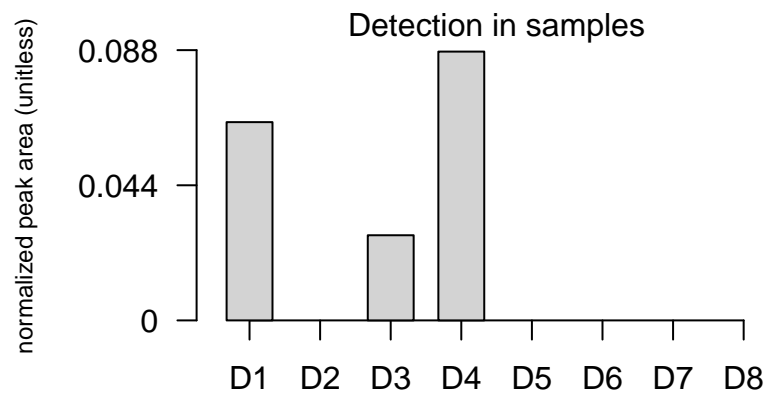
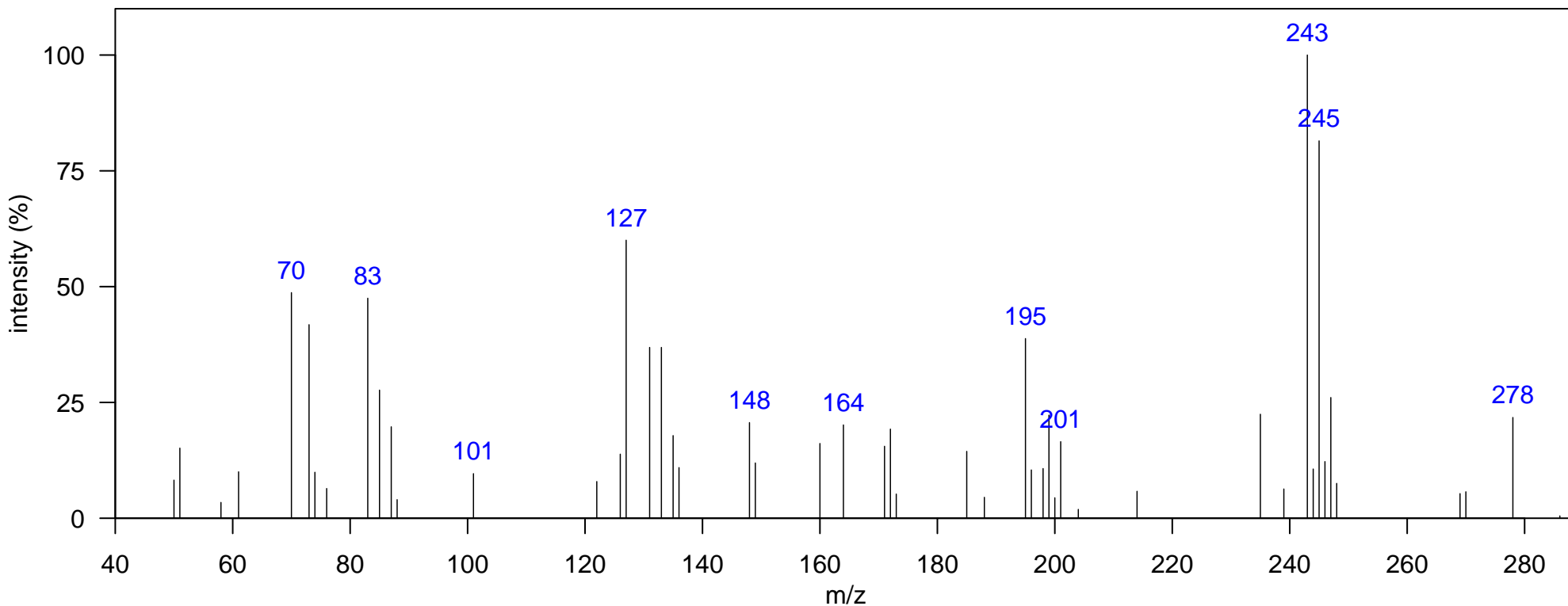
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: toxaphene 1 & 2

Identification: Authentic MS RT

Comment:



m/z [Fragment]

Name: toxaphene 3

Class: Toxaphene

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1495.49, 1.063

Elemental Formula: C₈H₇Cl₅

Ecotype: coastal

Quantitative Ion m/z: 245

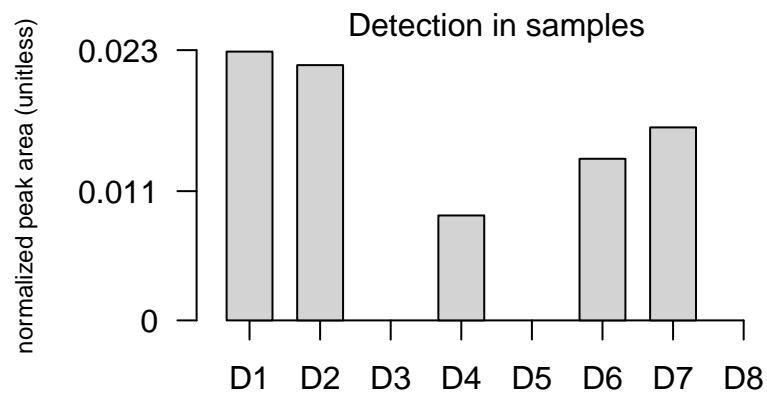
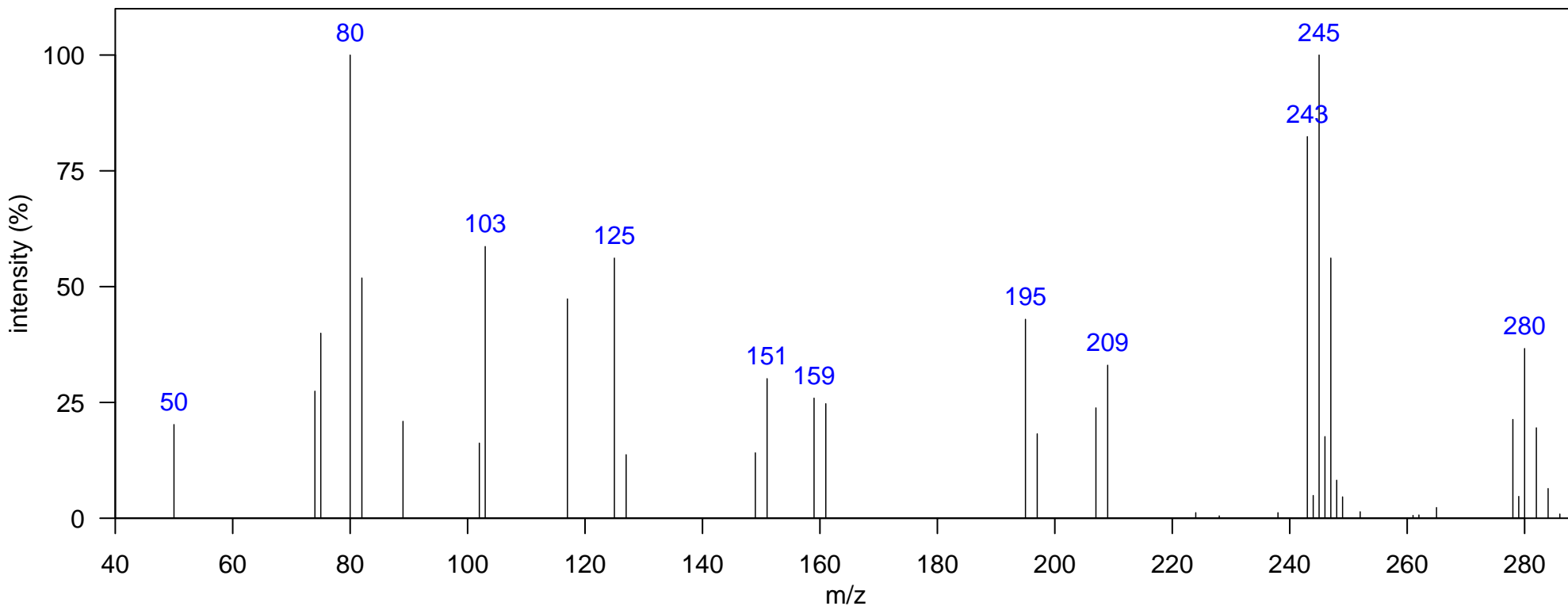
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: toxaphene 1 & 2

Identification: Authentic MS RT

Comment:



m/z [Fragment]

Name: toxaphene 4

Class: Toxaphene

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1533.97, 1.096

Elemental Formula: C₈H₇Cl₅

Ecotype: coastal

Quantitative Ion m/z: 245

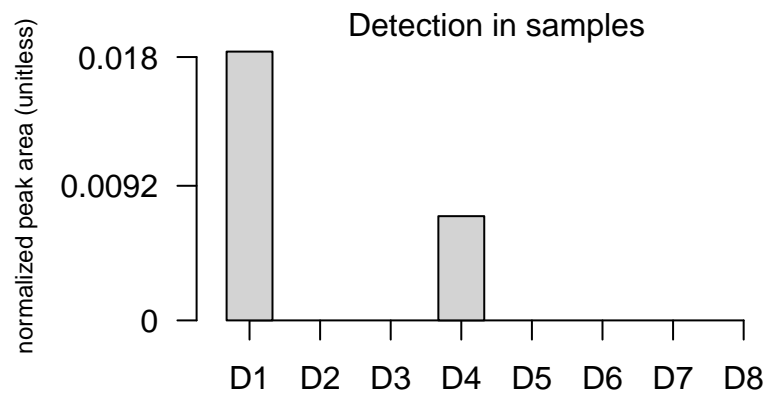
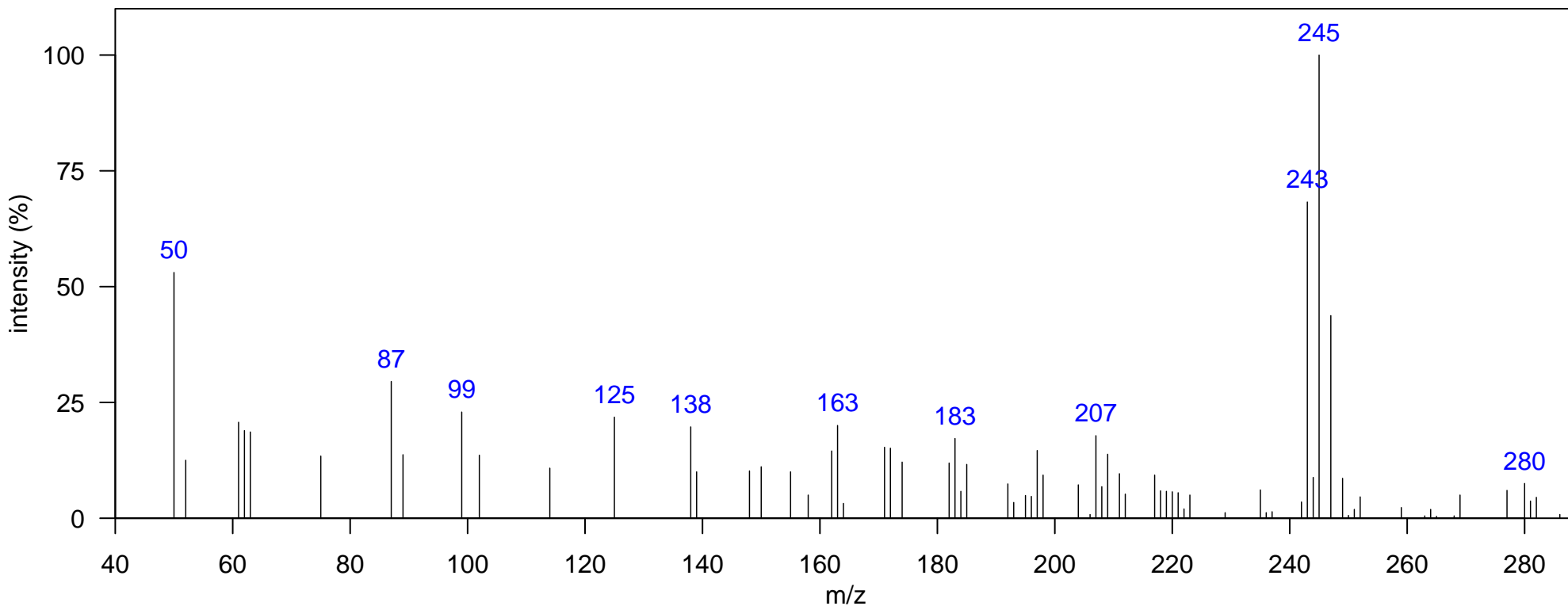
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: toxaphene 1 & 2

Identification: Authentic MS RT

Comment:



m/z [Fragment]

Name: toxaphene 5

Class: Toxaphene

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1257.62, 1.234

Elemental Formula: C₁₀H₁₀Cl₆

Ecotype: offshore

Quantitative Ion m/z: 293

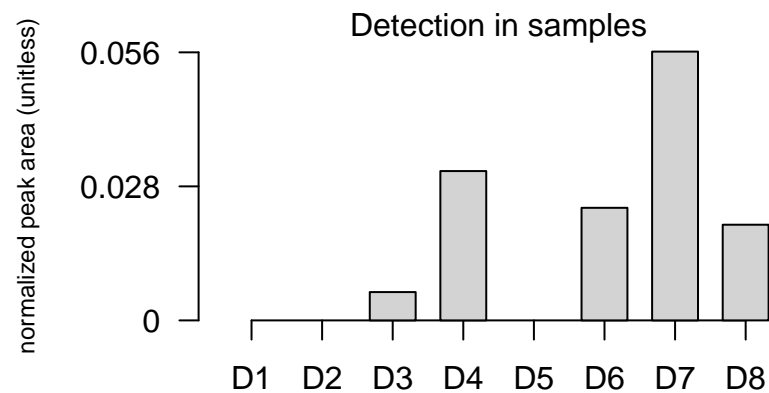
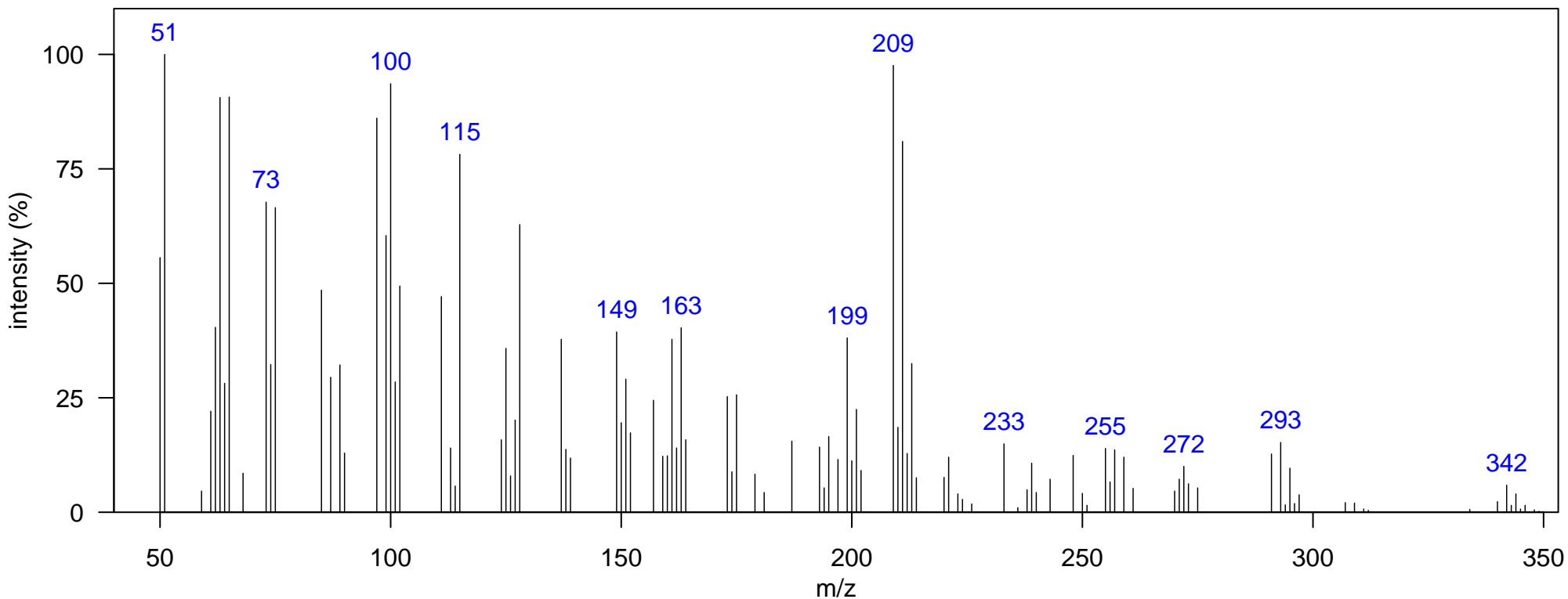
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual

Comment:



m/z [Fragment]

Name: toxaphene 6

Class: Toxaphene

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1275.11, 1.261

Elemental Formula: C₁₀H₁₀Cl₆

Ecotype: offshore

Quantitative Ion m/z: 245

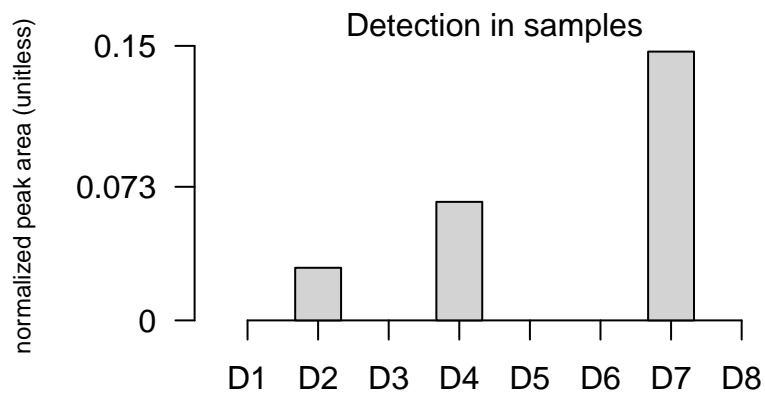
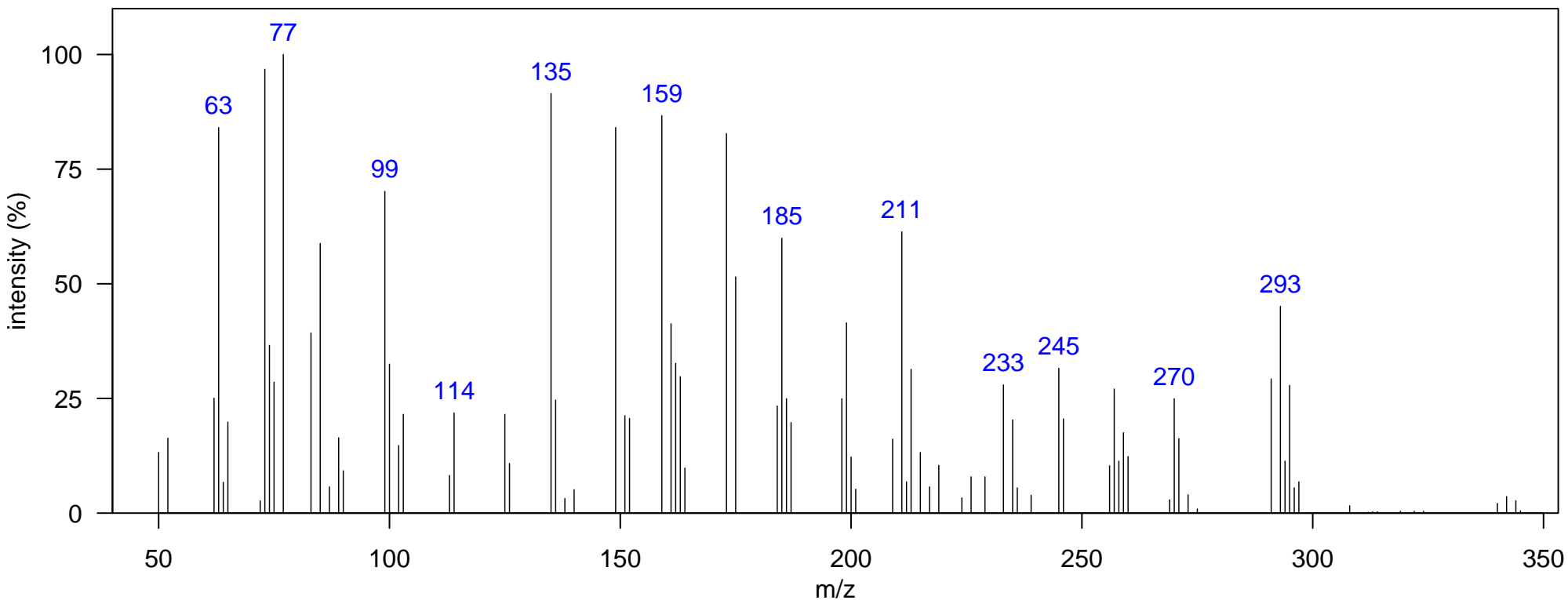
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual

Comment:



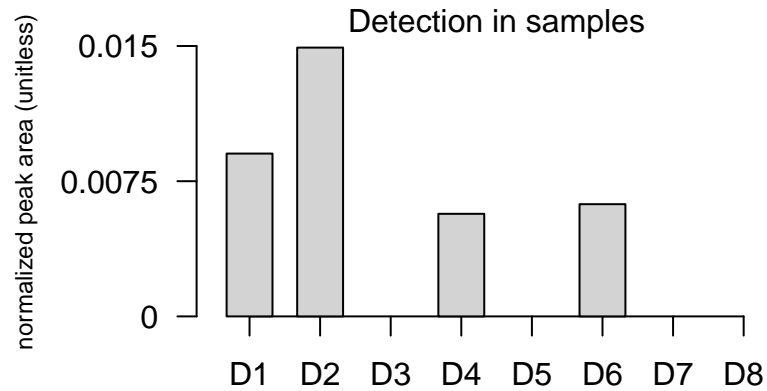
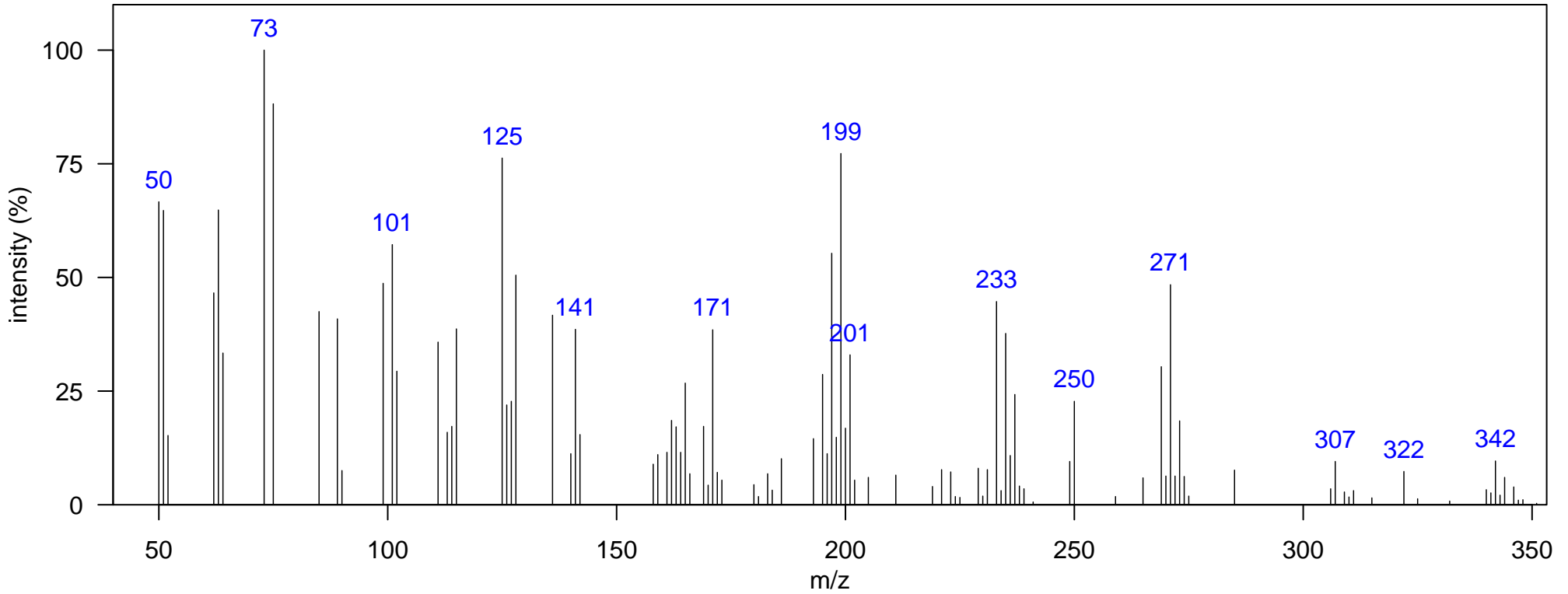
m/z [Fragment]

Name: toxaphene 7

Class: Toxaphene

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1404.54, 1.023
Ecotype: offshore Quantitative Ion m/z: 271
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula: C₁₀H₁₀Cl₆
Source: anthropogenic
Identification: Manual



m/z [Fragment]

Name: toxaphene 8

Class: Toxaphene

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1429.03, 1.432

Elemental Formula: C₁₀H₁₀Cl₆

Ecotype: coastal

Quantitative Ion m/z: 279

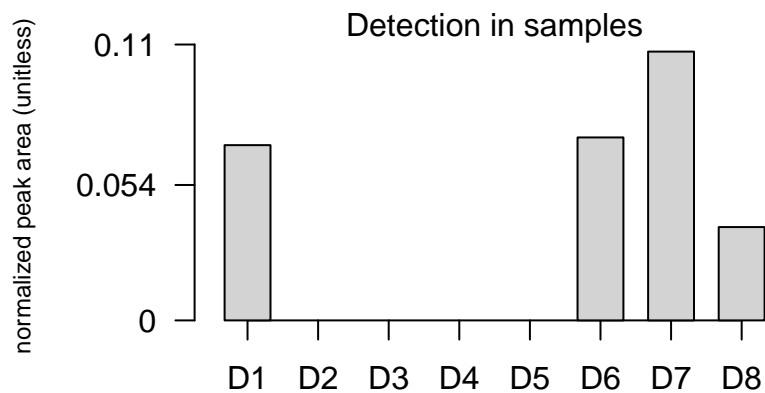
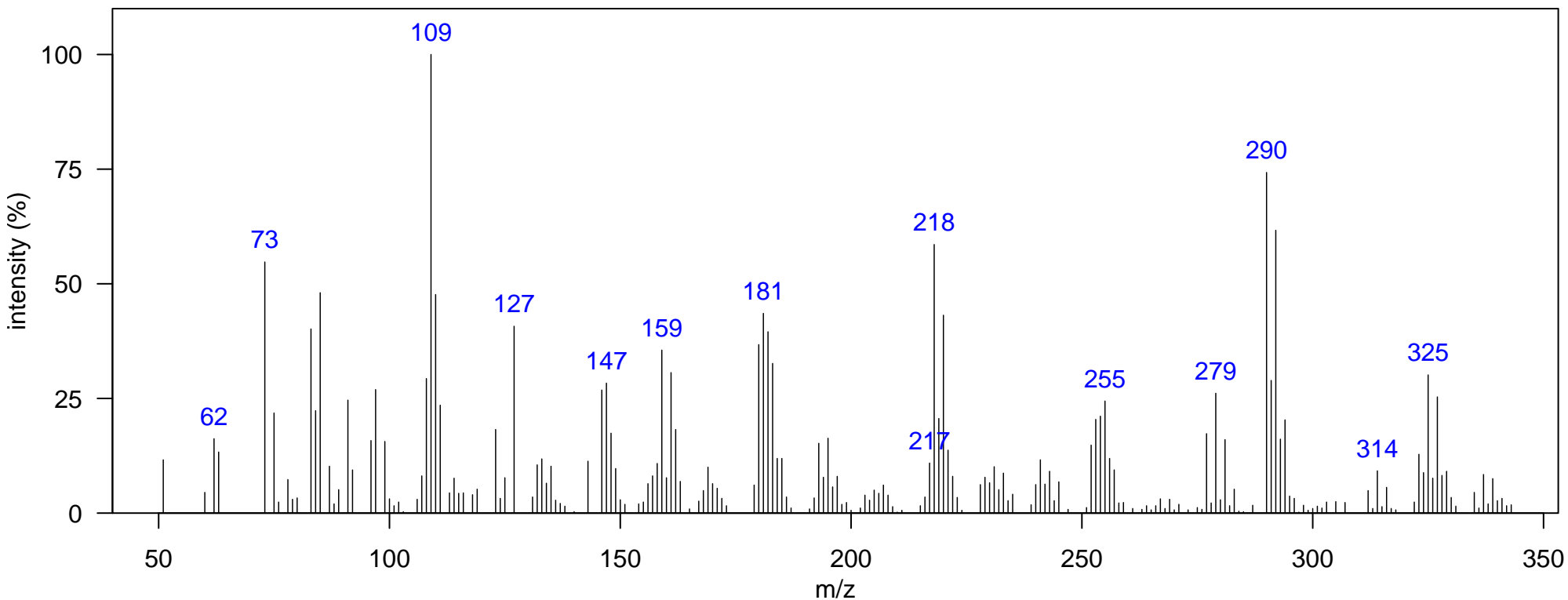
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: toxaphene 4

Identification: Manual

Comment:



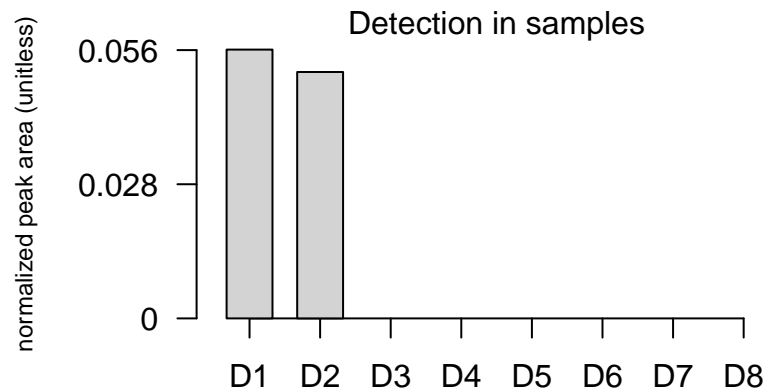
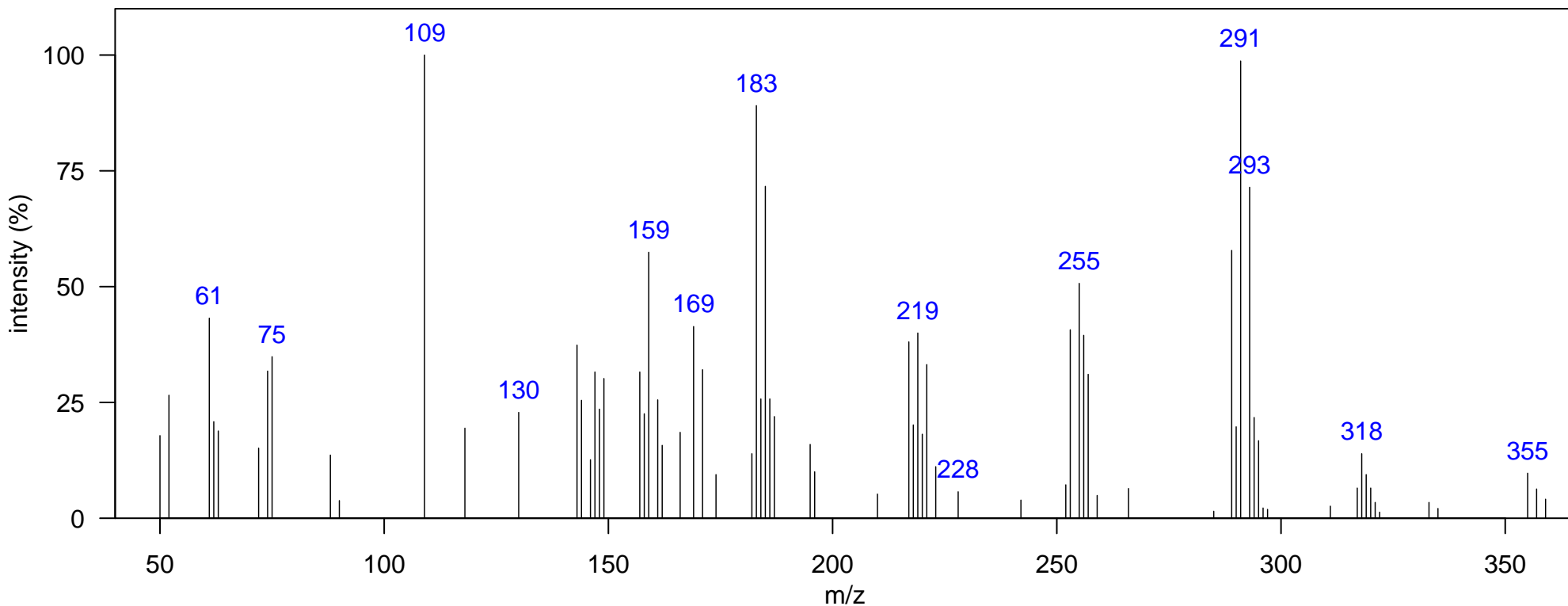
m/z [Fragment]
290 PCB Interference
325 PCB Interference

Name: toxaphene 9

Class: Toxaphene

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1401.04, 1.445
Ecotype: offshore Quantitative Ion m/z: 289
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: nist identification

Elemental Formula: C₁₀H₆Cl₆O
Source: anthropogenic
Identification: Reference Database MS



m/z [Fragment]

Name: toxaphene 10

Class: Toxaphene

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1404.54, 1.267

Elemental Formula: C₁₀H₉Cl₇

Ecotype: offshore

Quantitative Ion m/z: 329

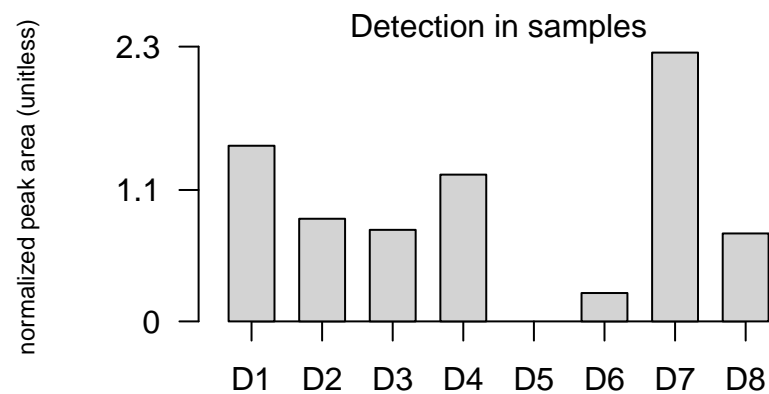
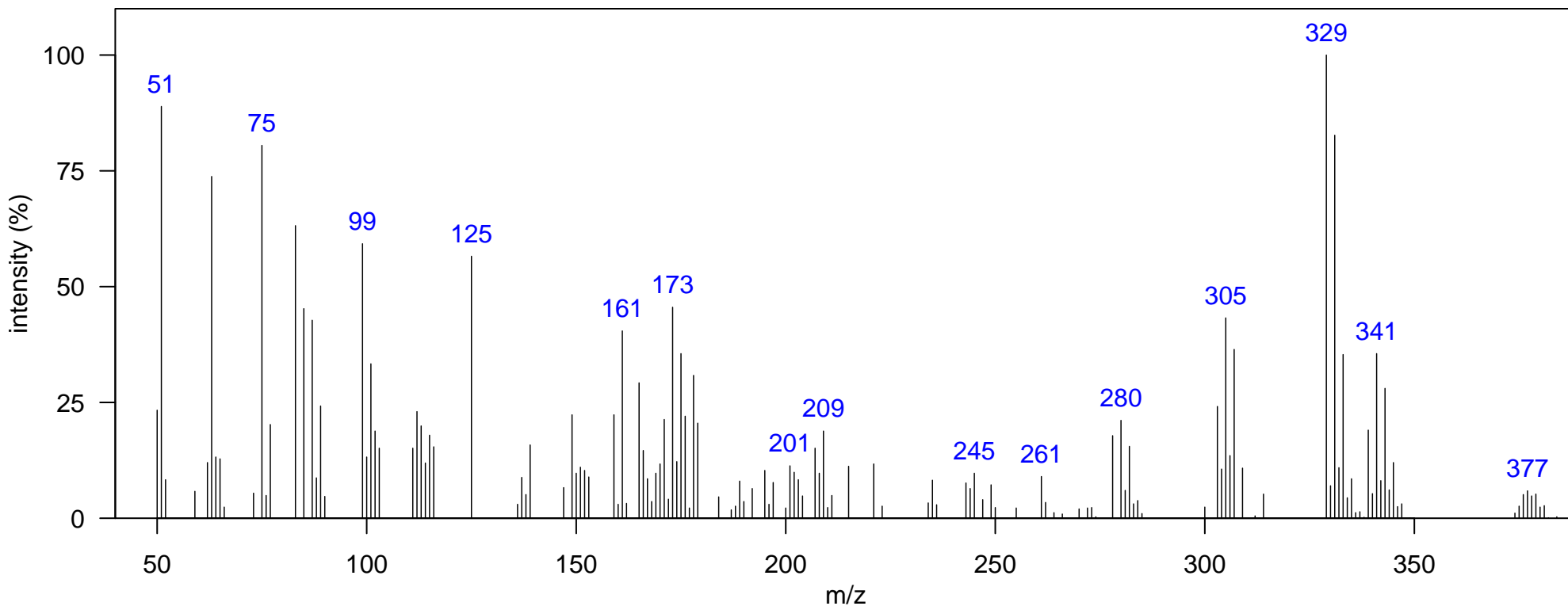
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: toxaphene 6

Identification: Authentic MS RT

Comment:



m/z [Fragment]

Name: toxaphene 11

Class: Toxaphene

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1432.52, 1.36

Elemental Formula: C₁₀H₉Cl₇

Ecotype: coastal

Quantitative Ion m/z: 279

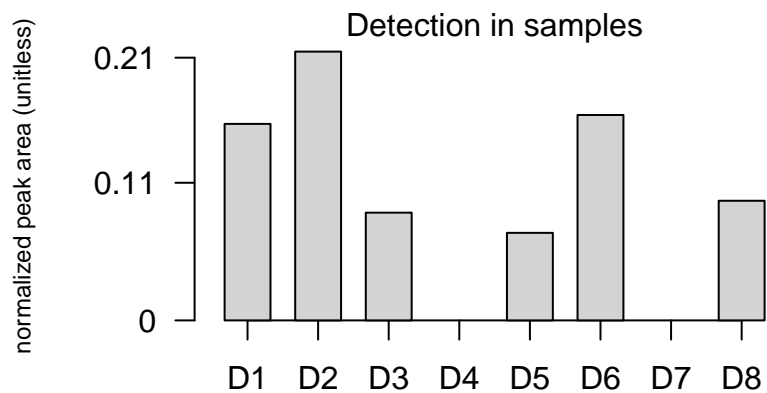
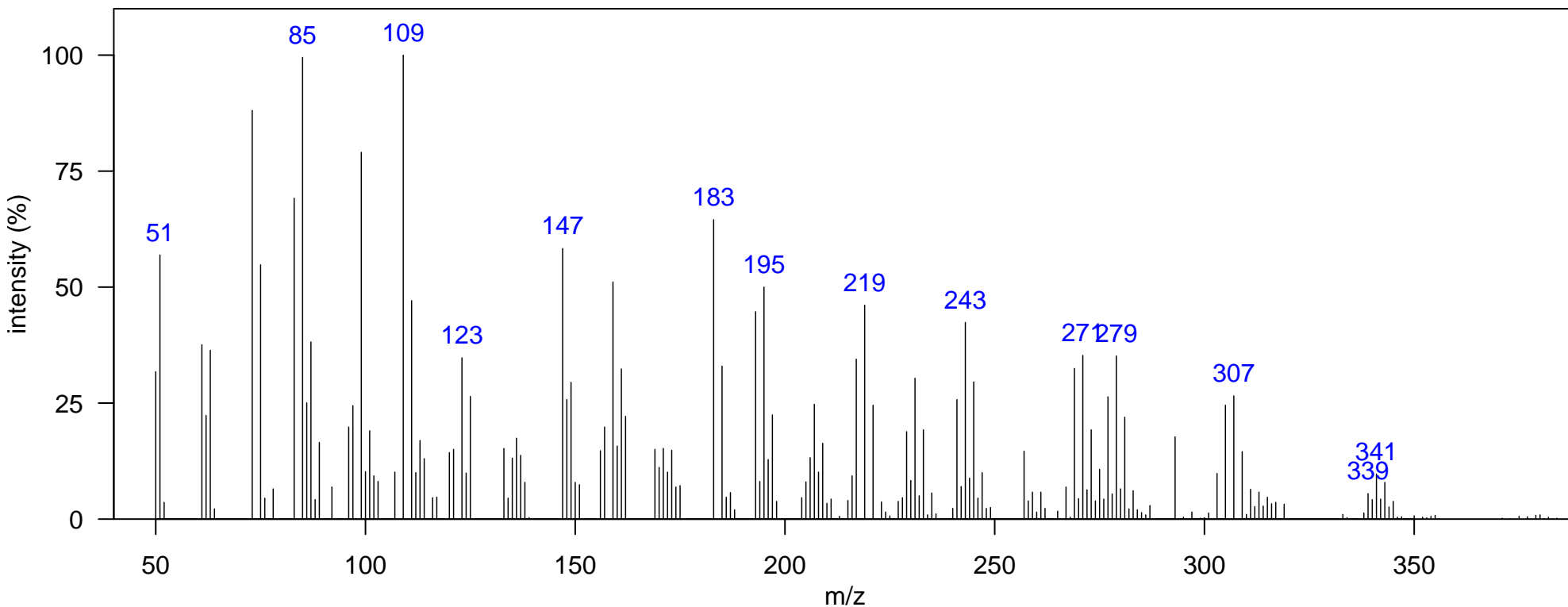
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: toxaphene 7

Identification: Authentic MS RT

Comment:



m/z [Fragment]

Name: toxaphene 12

Class: Toxaphene

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1401.04, 1.3

Elemental Formula: C₁₀H₈Cl₈

Ecotype: offshore

Quantitative Ion m/z: 245

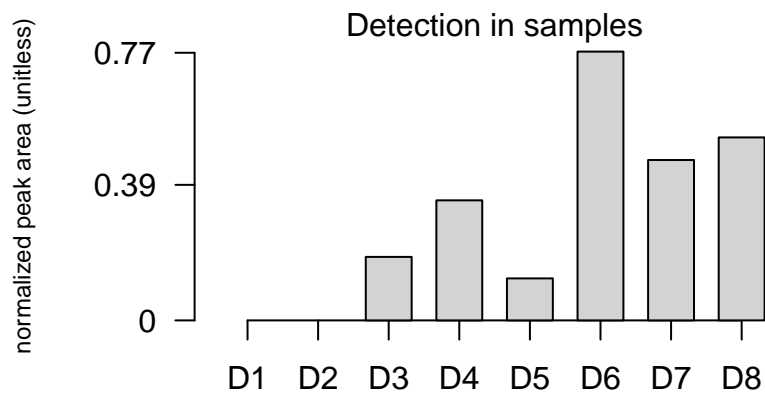
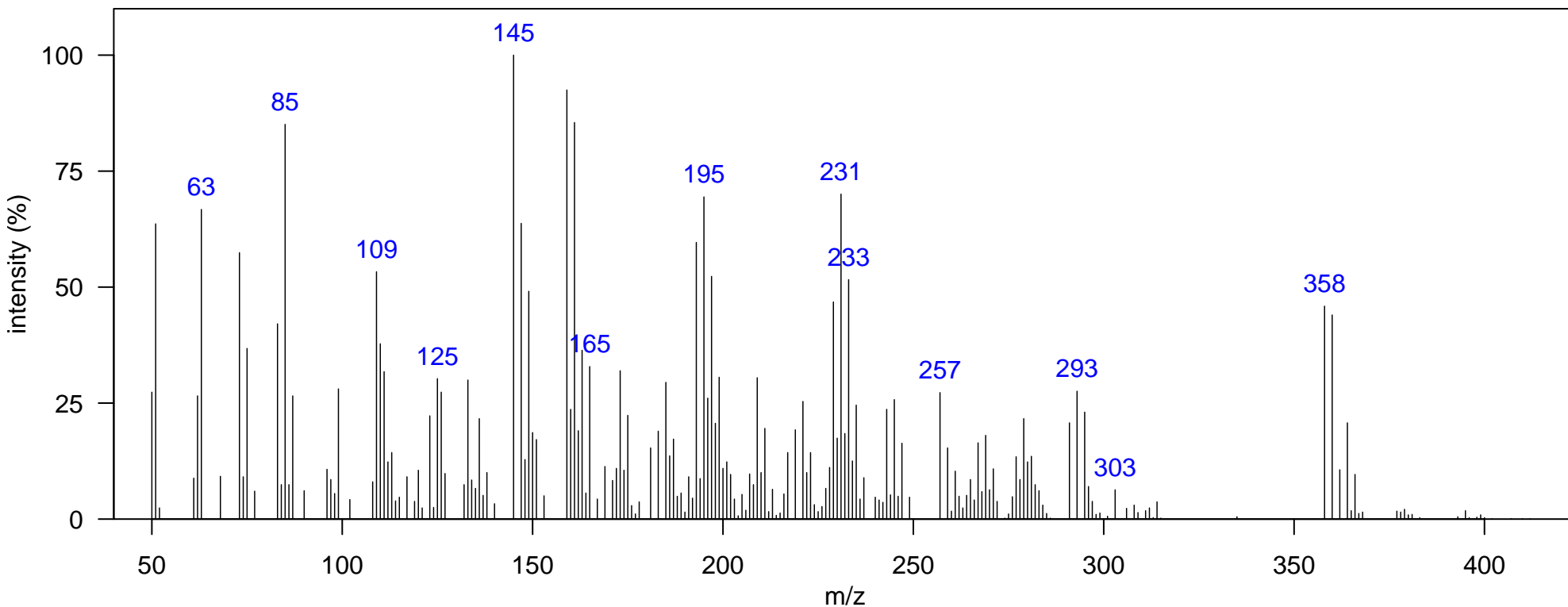
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: toxaphene 4

Identification: Manual

Comment:



m/z [Fragment]
360 PCB Interference

Name: toxaphene 13

Class: Toxaphene

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1411.54, 1.32

Elemental Formula: C₁₀H₈Cl₈

Ecotype: coastal

Quantitative Ion m/z: 243

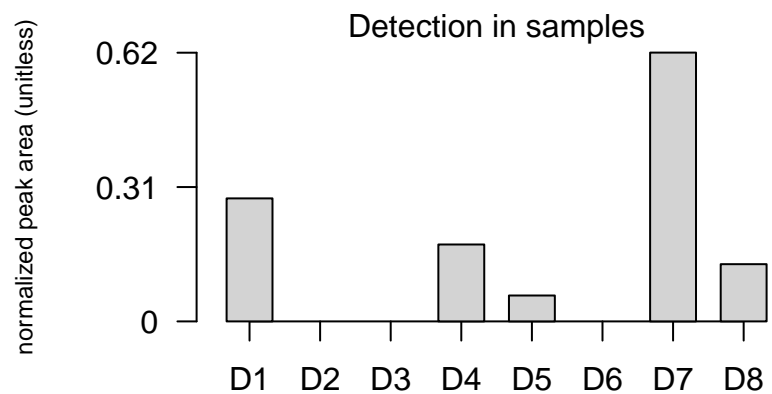
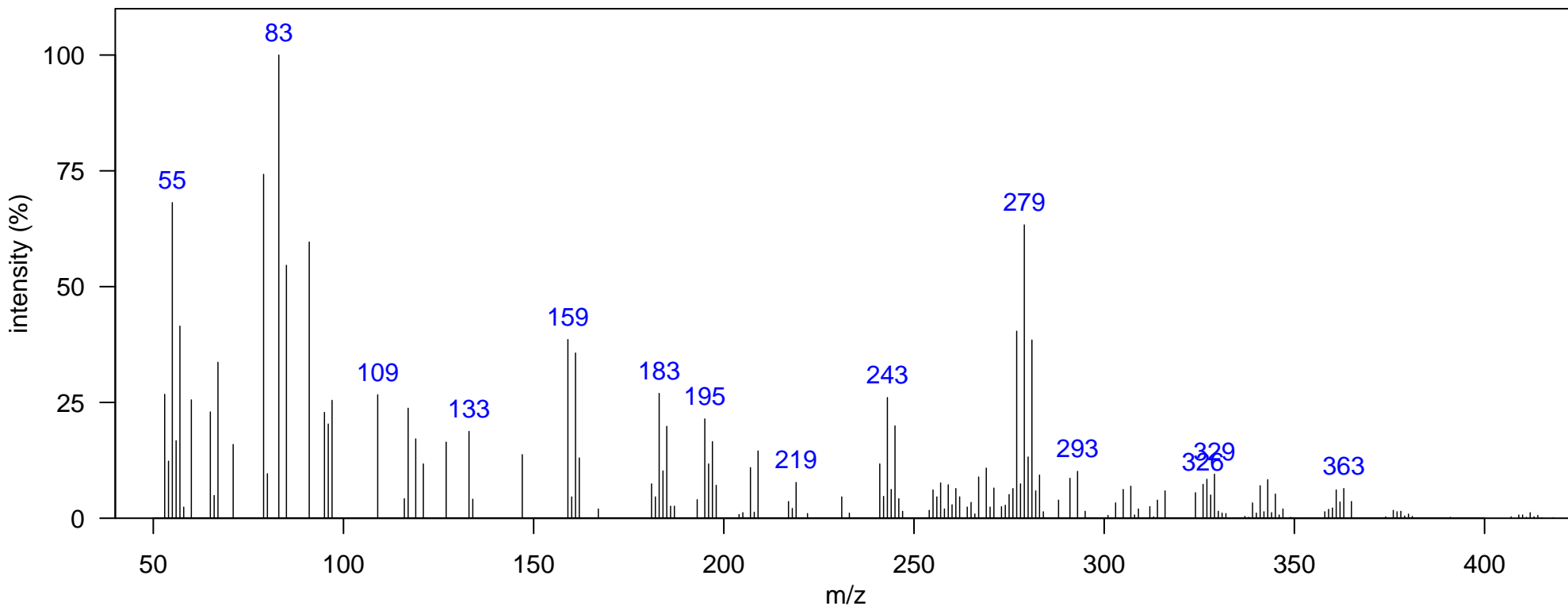
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: toxaphene 5

Identification: Manual

Comment:



m/z [Fragment]

Name: toxaphene 14

Class: Toxaphene

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1450.01, 1.426

Elemental Formula: C₁₀H₈Cl₈

Ecotype: offshore

Quantitative Ion m/z: 279

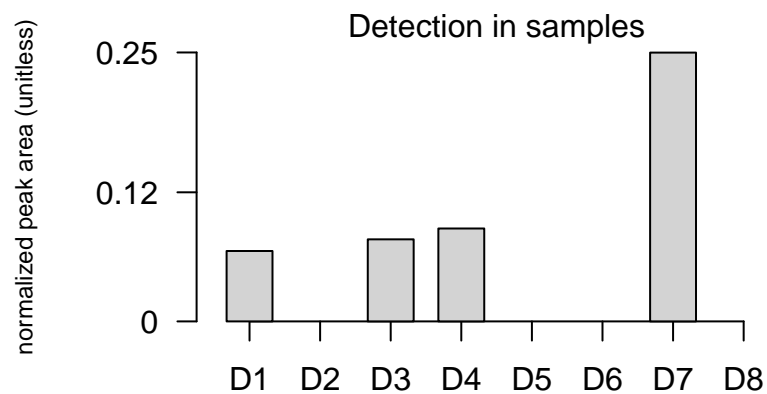
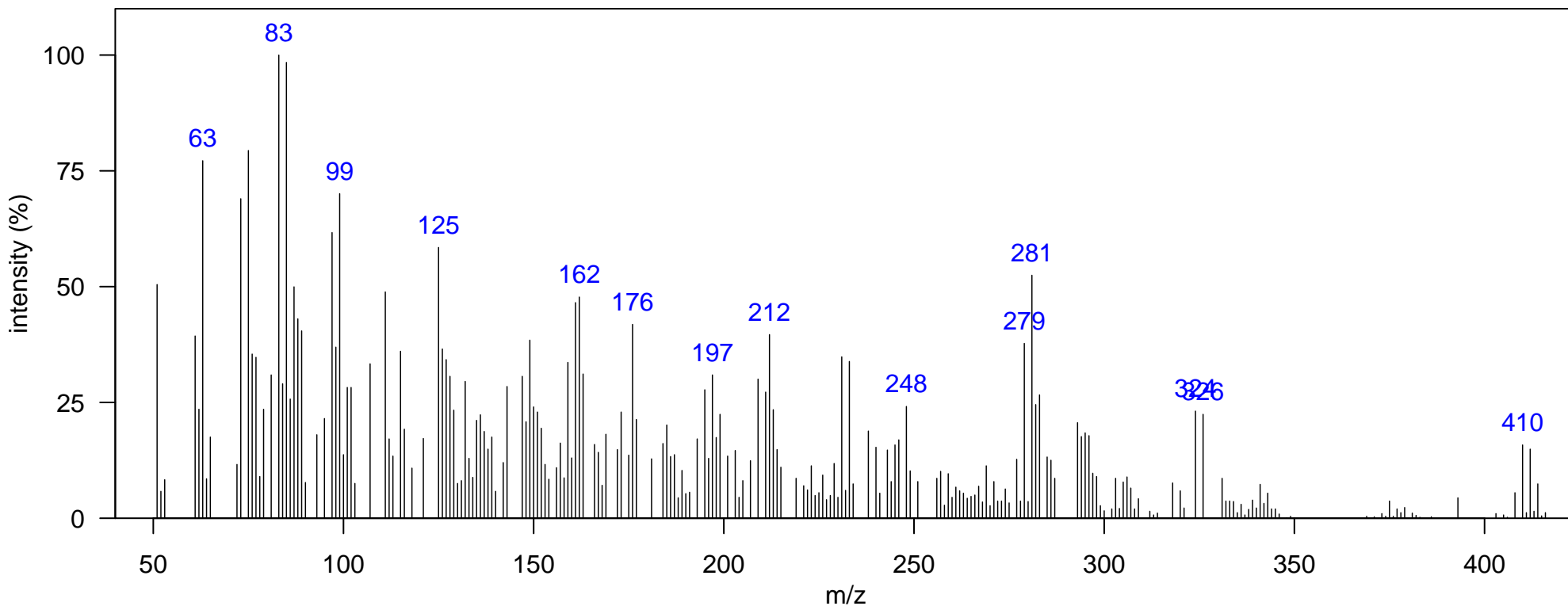
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual

Comment:



m/z [Fragment]

Name: toxaphene 15

Class: Toxaphene

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1464.01, 1.399

Elemental Formula: C₁₀H₈Cl₈

Ecotype: coastal

Quantitative Ion m/z: 245

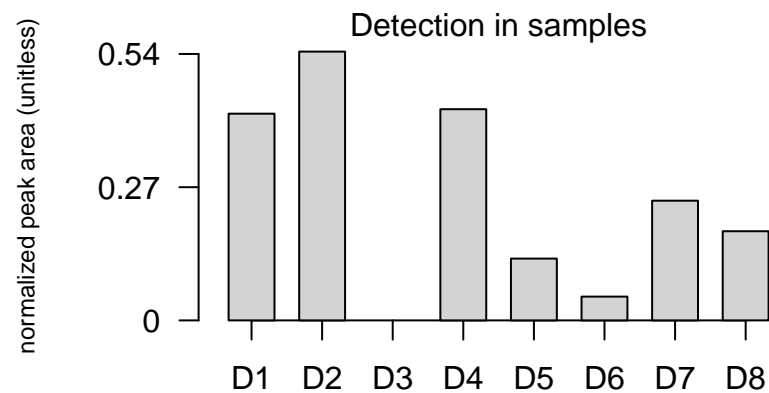
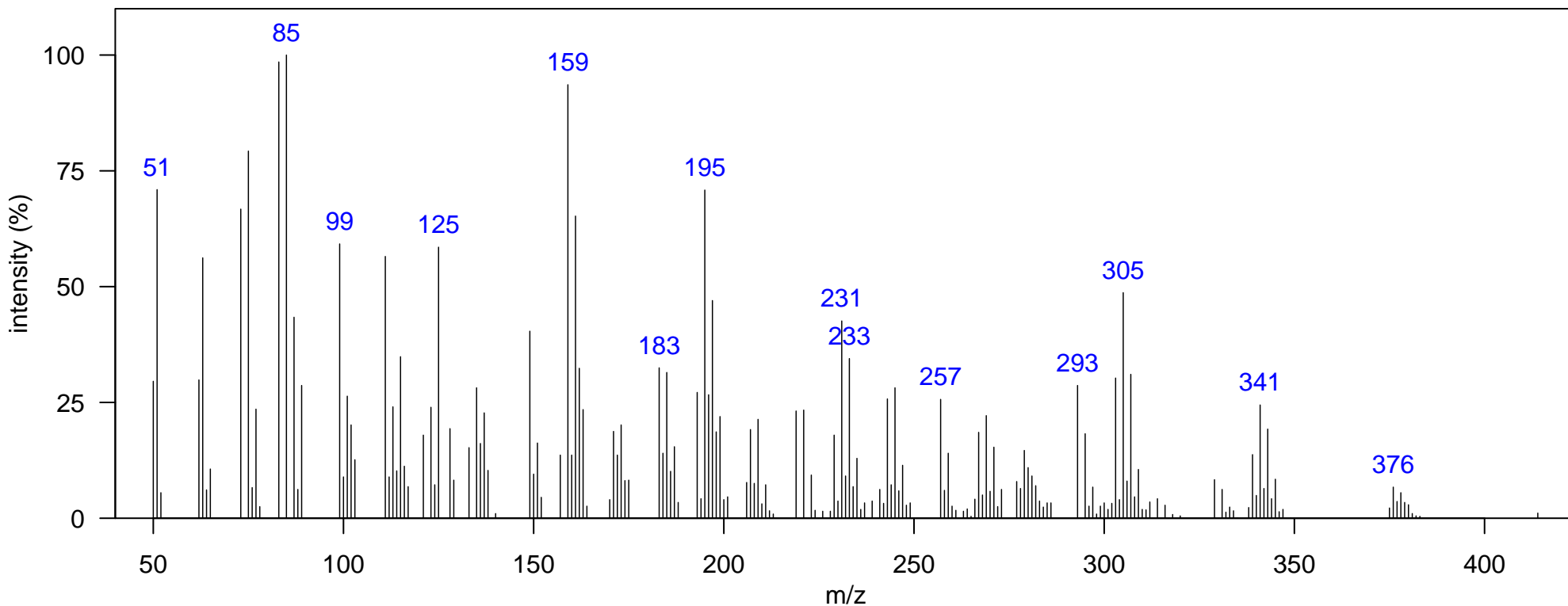
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: toxaphene 8

Identification: Manual

Comment:



m/z [Fragment]

Name: toxaphene 16

Class: Toxaphene

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1478, 1.432

Elemental Formula: C₁₀H₈Cl₈

Ecotype: coastal

Quantitative Ion m/z: 245

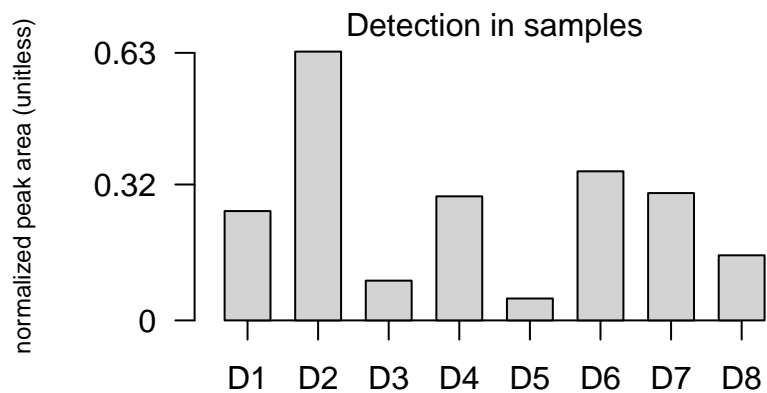
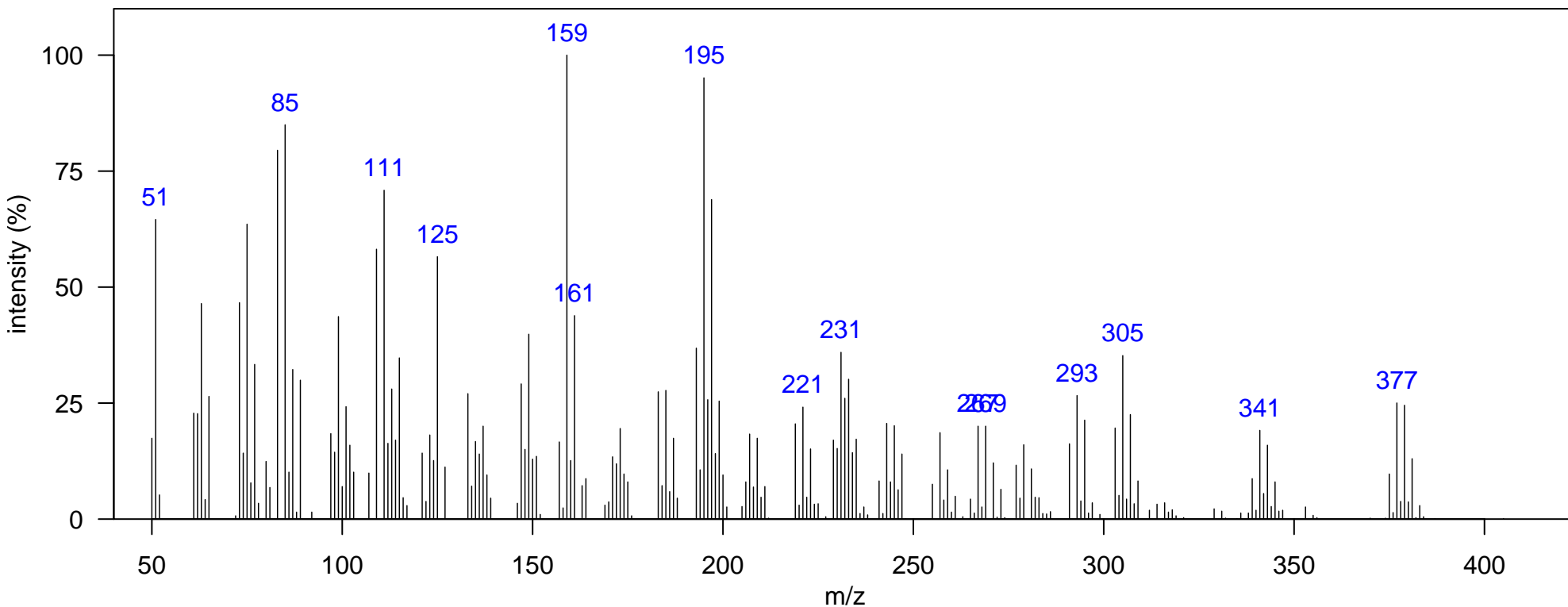
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: toxaphene 9

Identification: Authentic MS RT

Comment:



m/z [Fragment]

Name: toxaphene 17

Class: Toxaphene

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1495.49, 1.406

Elemental Formula: C₁₀H₈Cl₈

Ecotype: coastal

Quantitative Ion m/z: 339

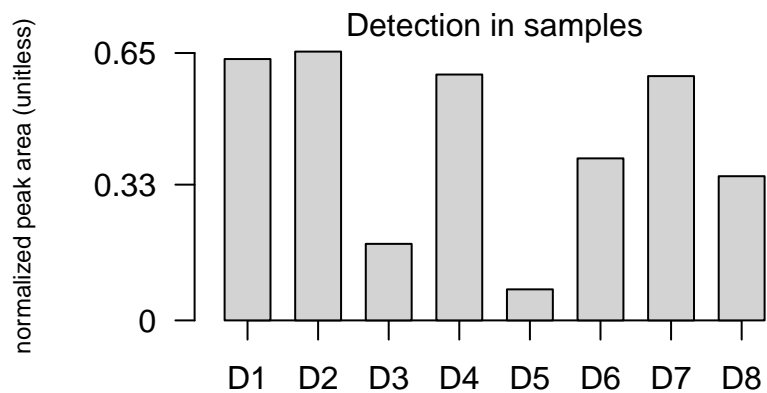
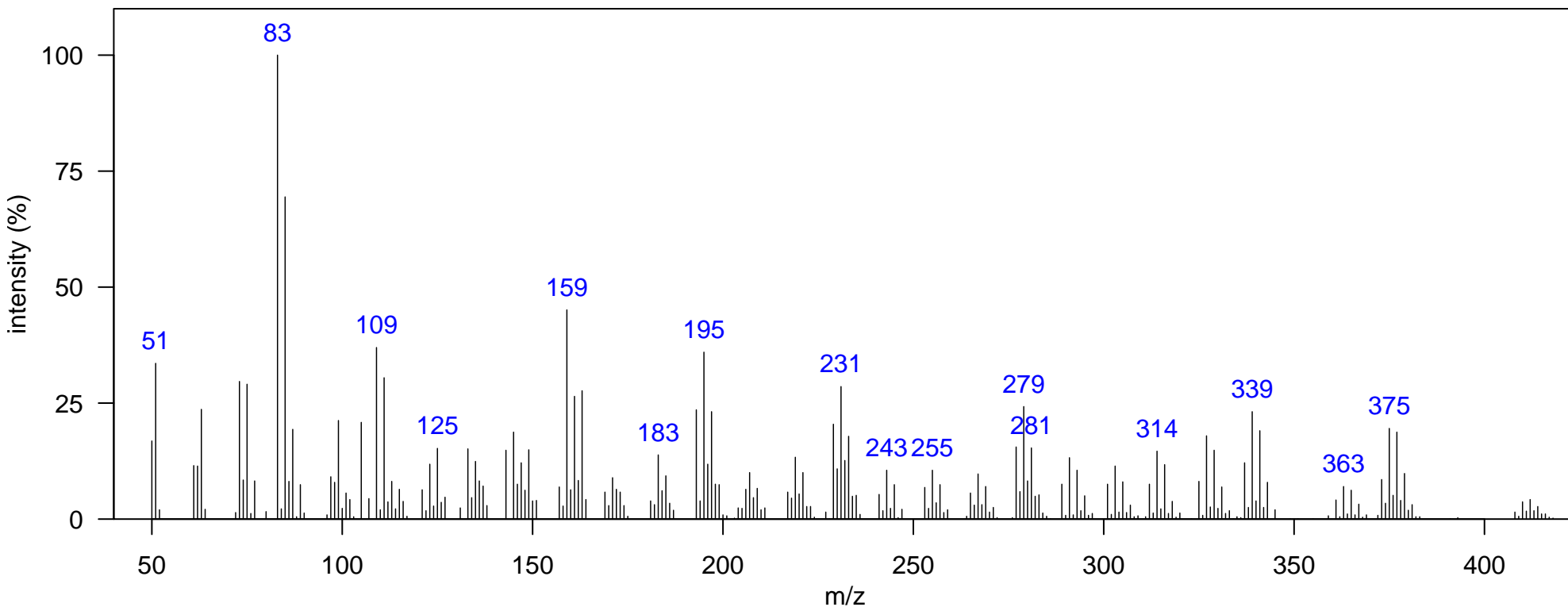
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: toxaphene 10

Identification: Authentic MS RT

Comment:



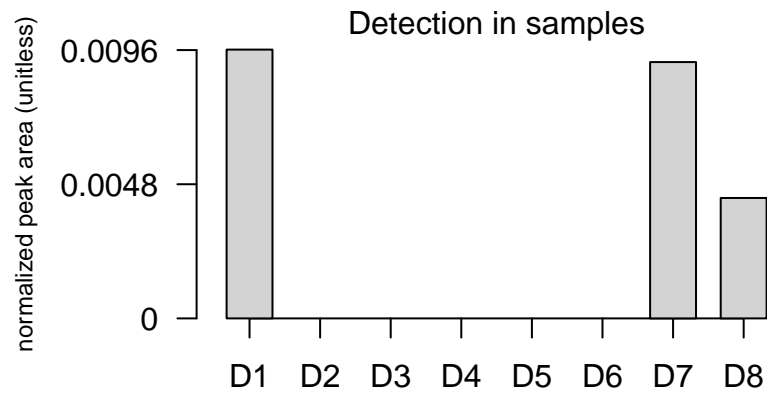
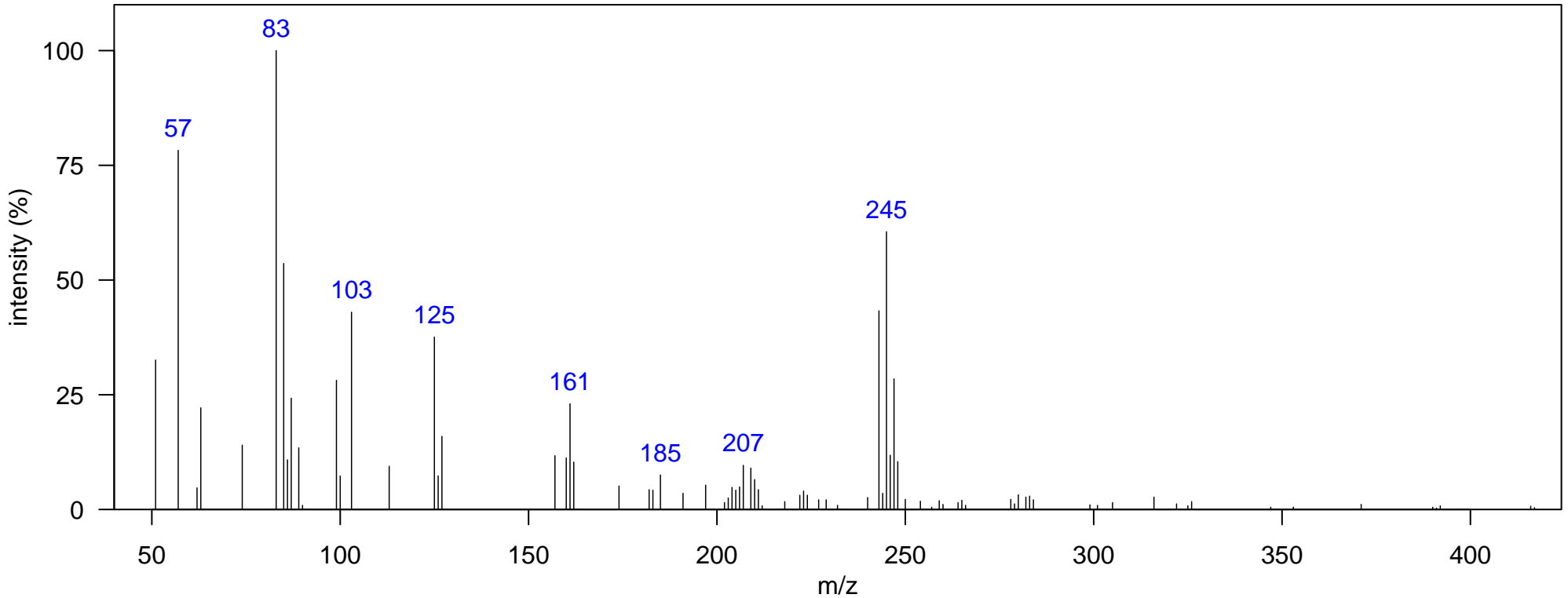
m/z [Fragment]

Name: toxaphene 18

Class: Toxaphene

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1509.48, 1.03
Ecotype: coastal Quantitative Ion m/z: 245
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: toxaphene 10
Comment:

Elemental Formula: C₁₀H₈Cl₈
Source: anthropogenic
Identification: Authentic MS



m/z [Fragment]

Name: toxaphene 19

Class: Toxaphene

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1554.95, 1.65

Elemental Formula: C₁₀H₉Cl₉

Ecotype: coastal

Quantitative Ion m/z: 339

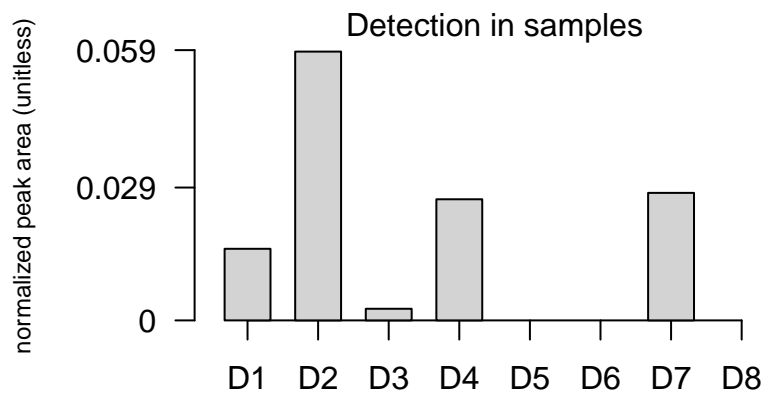
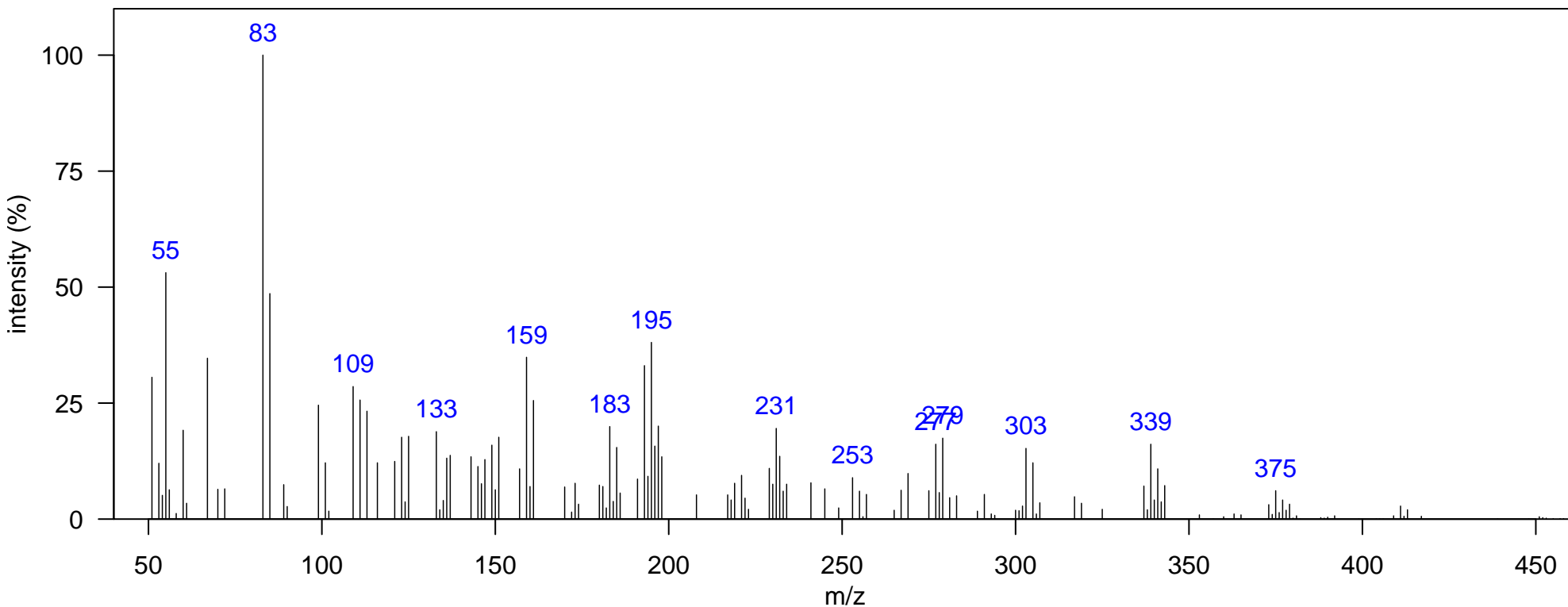
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: toxaphene 10

Identification: Authentic MS

Comment:



m/z [Fragment]

Name: mirex 2Cl 1

Class: Mirex-related

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1439.52, 1.373

Elemental Formula: C₁₀H₂Cl₁₀

Ecotype: offshore

Quantitative Ion m/z: 441

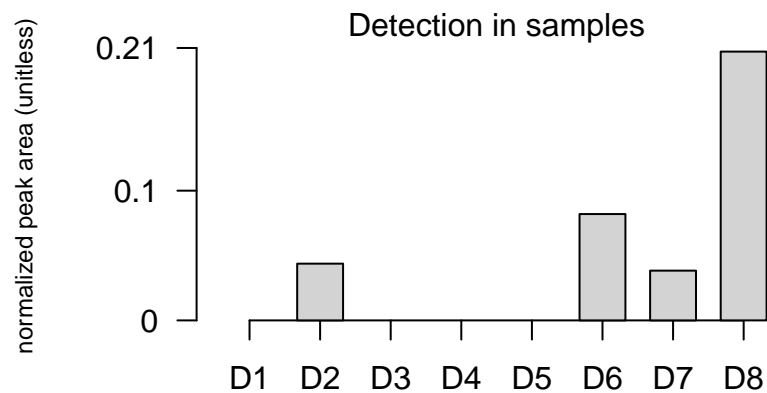
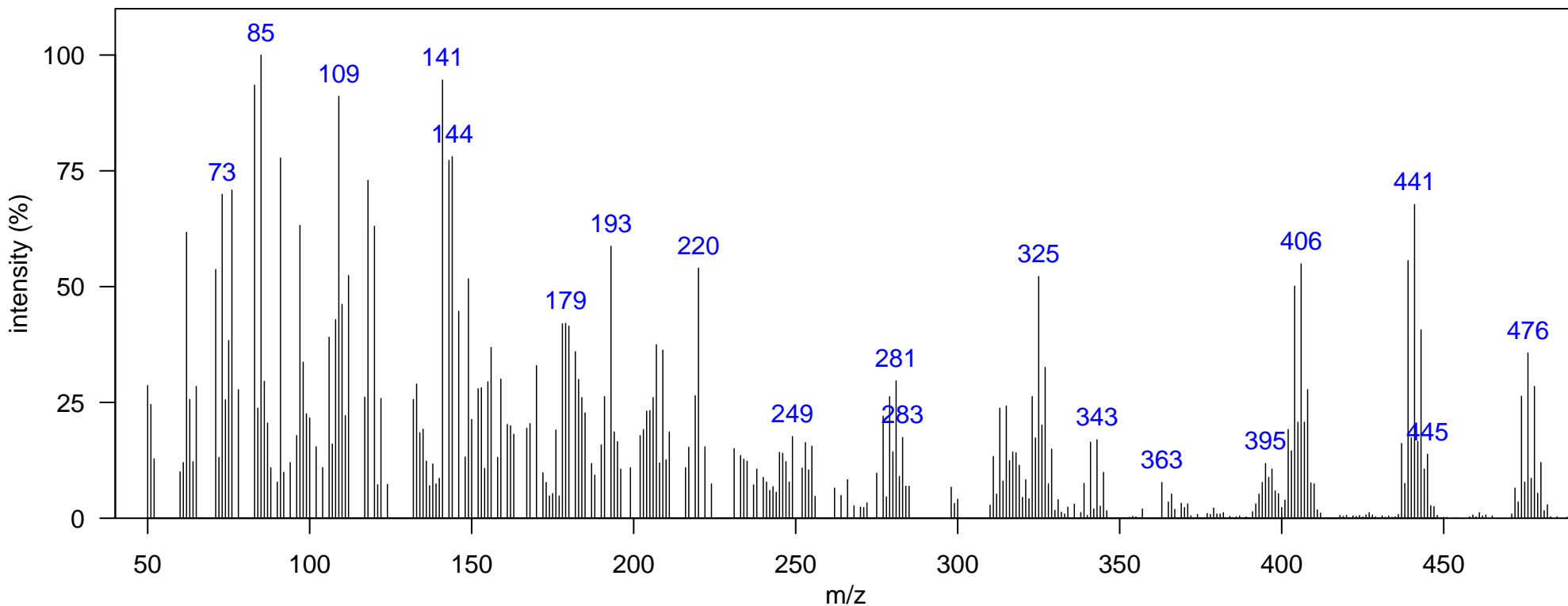
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: mirex-2Cl

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
437 [M-Cl] ⁺
472 M ⁺

Name: mirex 2Cl 2

Class: Mirex-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1453.51, 1.393

Elemental Formula: C₁₀H₂Cl₁₀

Ecotype: coastal

Quantitative Ion m/z: 441

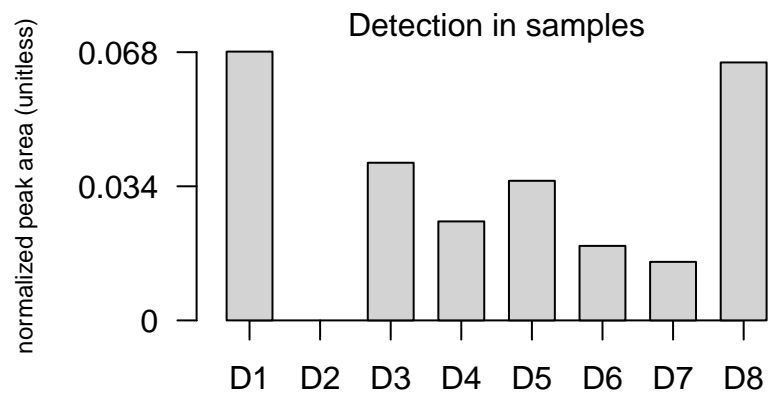
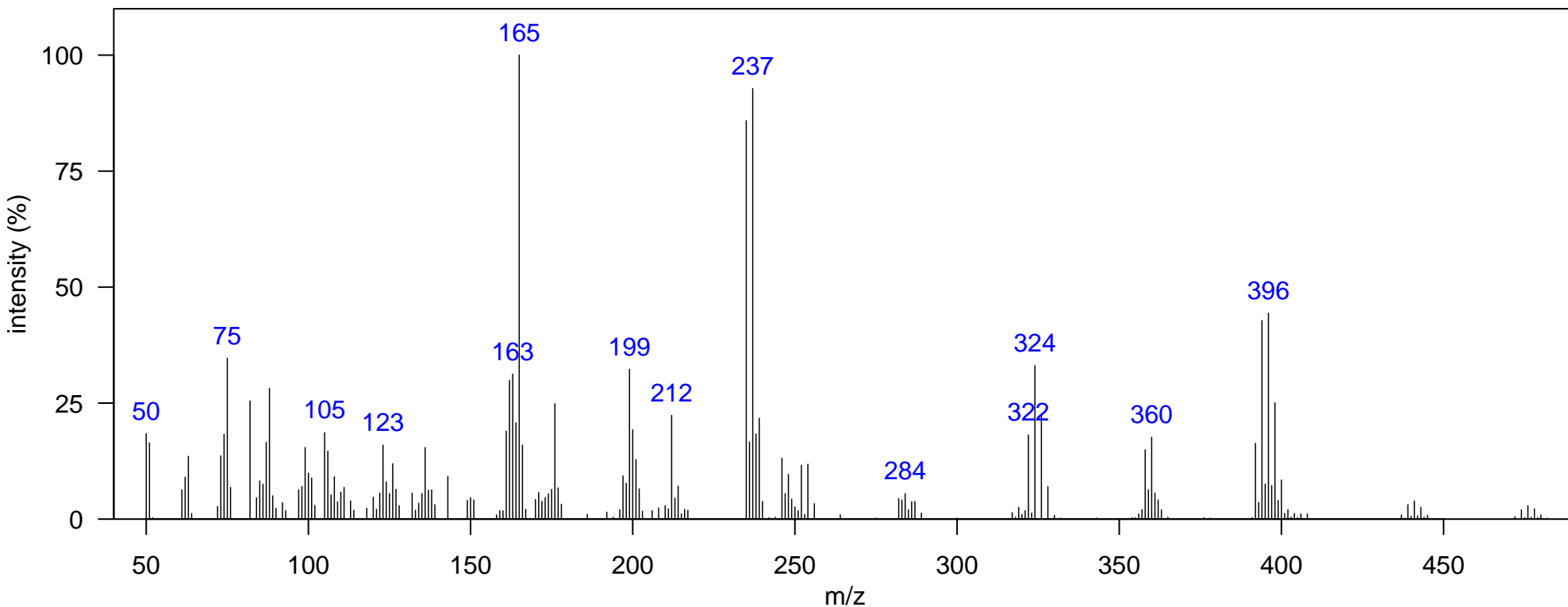
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: mirex-2Cl

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
324 PCB Interference
346 PCB Interference
360 PCB Interference
437 [M-Cl] ⁺
472 M ⁺

Name: mirex 1Cl

Class: Mirex-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1498.99, 1.452

Elemental Formula: C₁₀HCl₁₁

Ecotype: coastal

Quantitative Ion m/z: 475

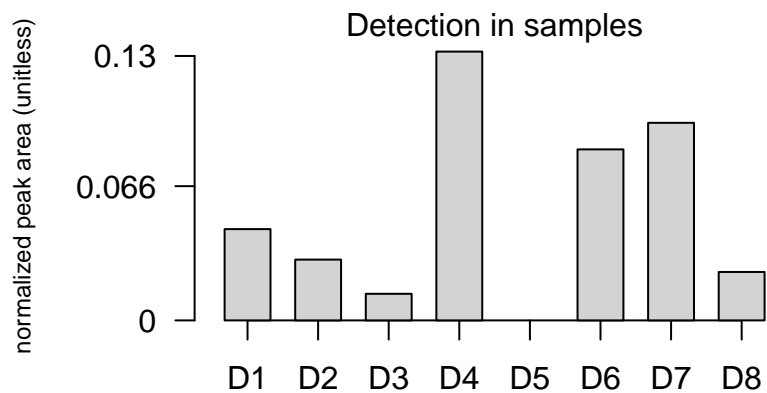
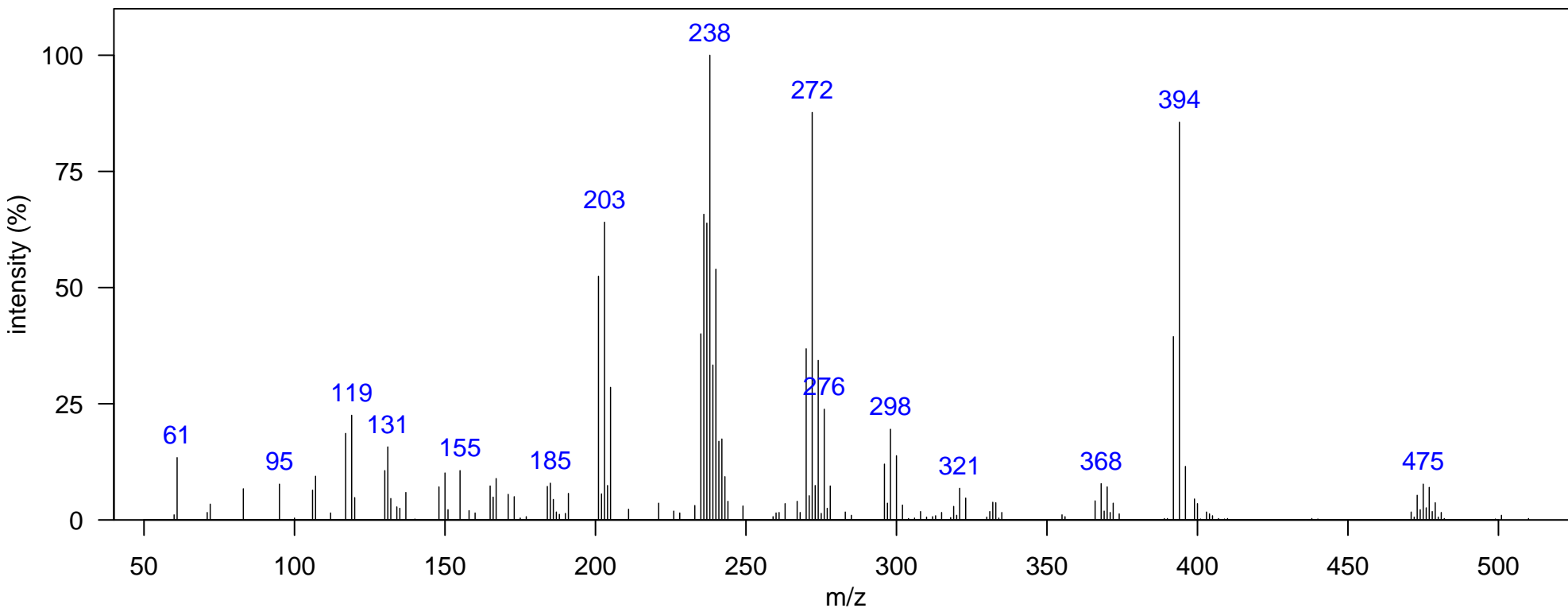
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: mirex-1Cl isomer

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
270 [C ₅ Cl ₆] ⁺
366 [M-Cl ₄]
471 [M-Cl] ⁺

Name: mirex

Class: Mirex-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1575.94, 1.696

Elemental Formula: C₁₀Cl₁₂

Ecotype: coastal

Quantitative Ion m/z: 272

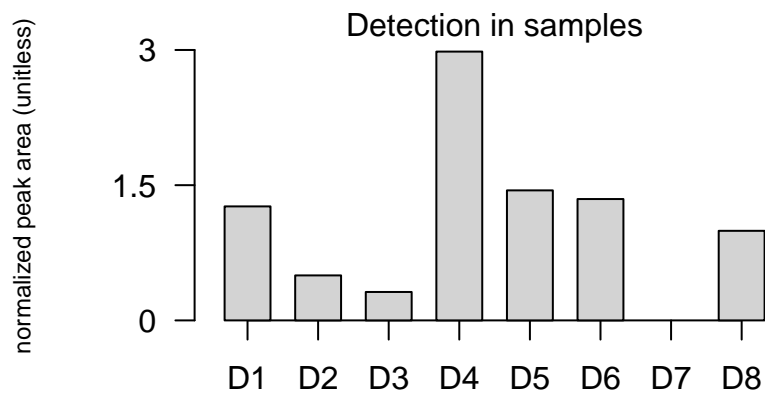
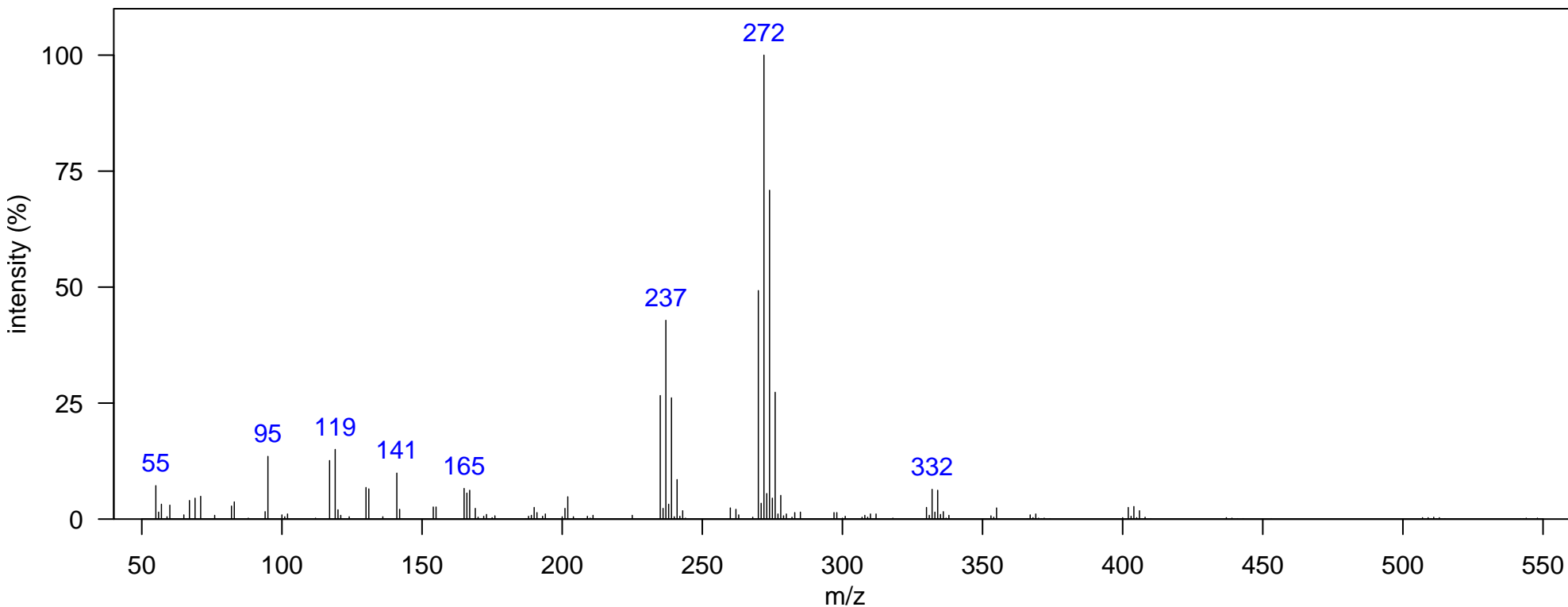
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: mirex

Identification: Authentic MS RT

Comment:



m/z [Fragment]

Name: mirex related 1

Class: Mirex-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1701.87, 1.967

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 272

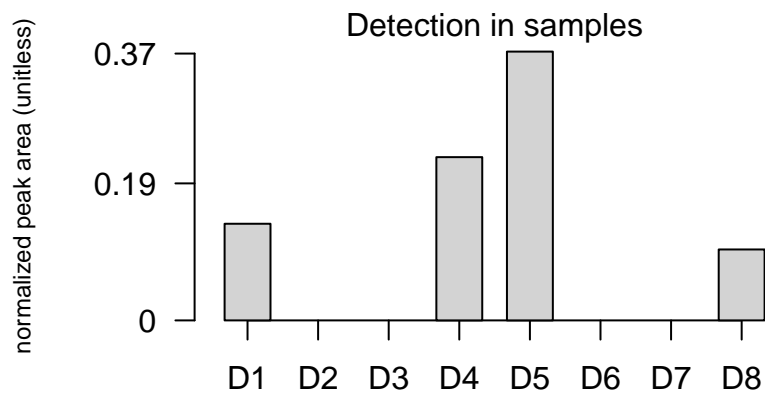
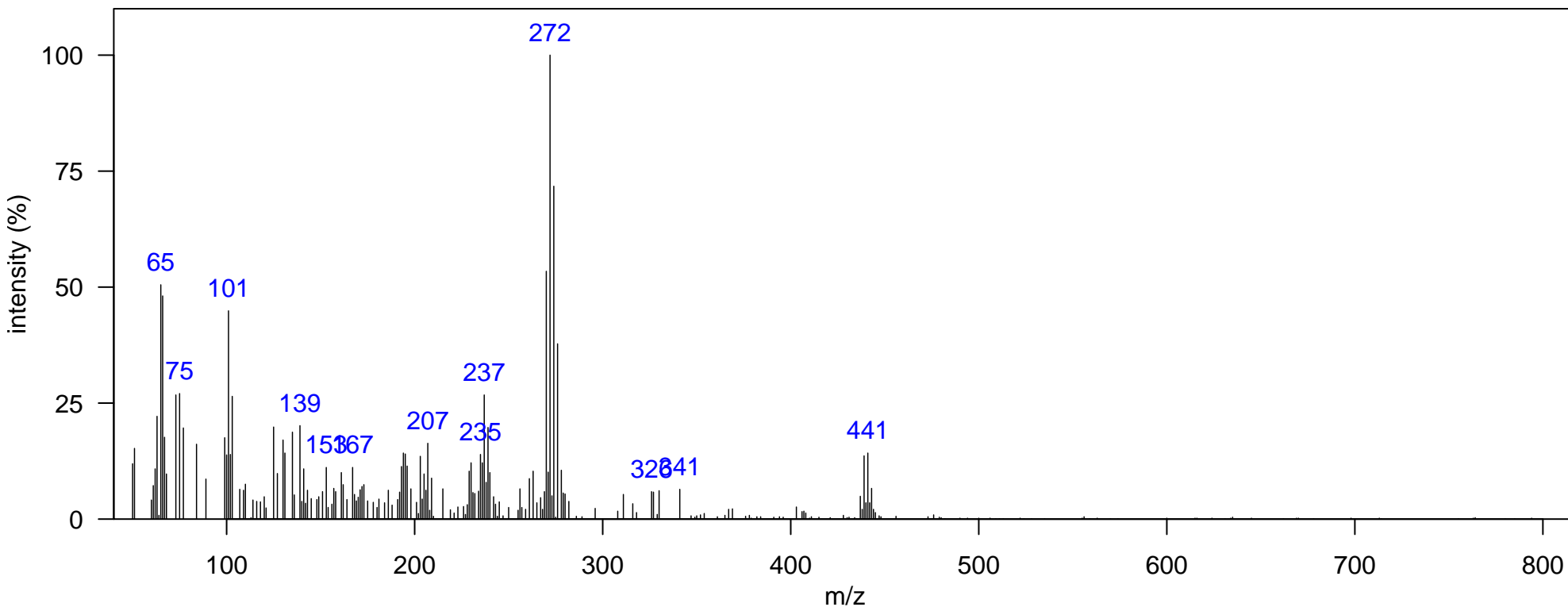
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual

Comment:



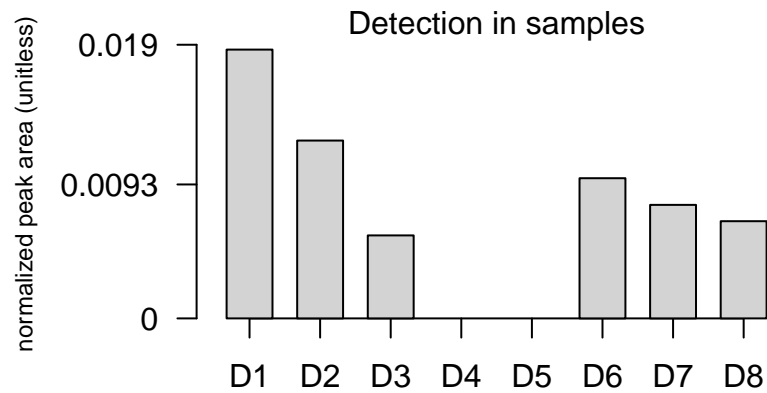
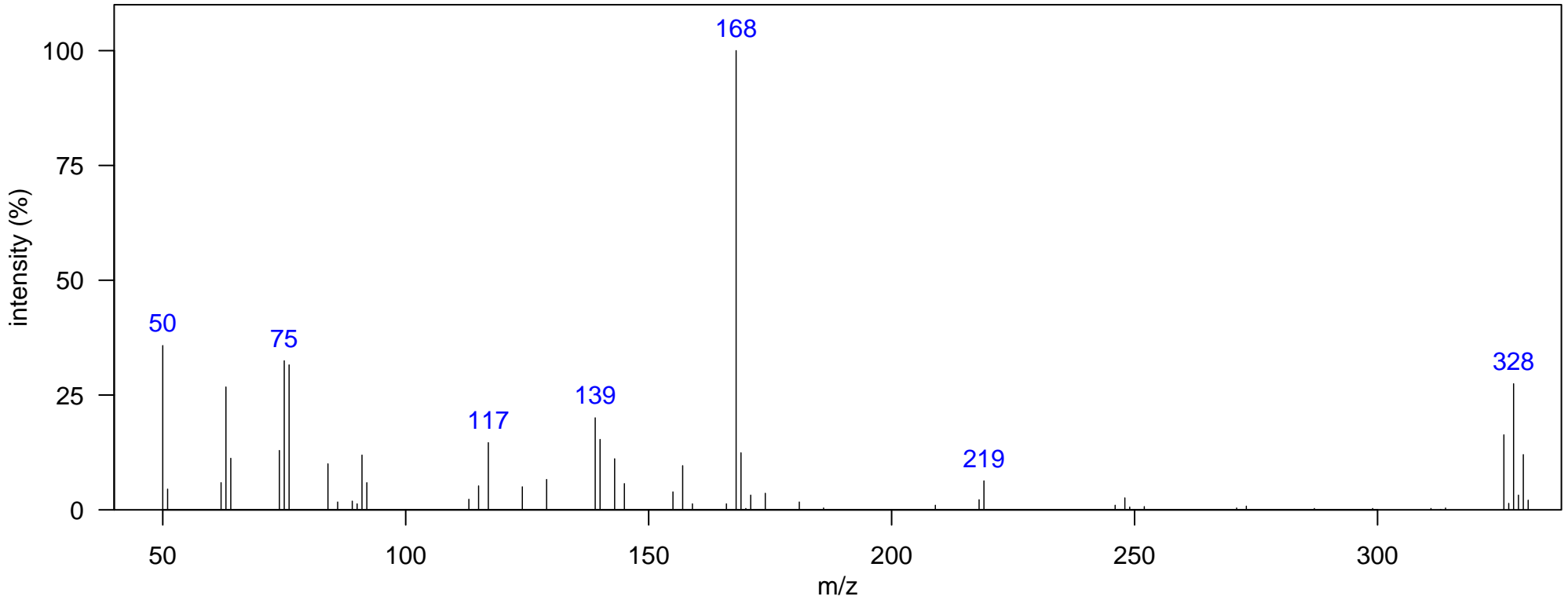
m/z [Fragment]
270 [C5Cl6]+
437 [Frag]+

Name: BDE 2Br 1

Class: PBDE

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1537.46, 0.983
Ecotype: coastal Quantitative Ion m/z: 328
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula: C₁₂H₈Br₂O
Source: anthropogenic
Identification: Authentic MS



m/z [Fragment]
168 [M-Br ₂] ⁺
326 M ⁺

Name: BDE-17/25

Class: PBDE

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1394.05, 1.452

Elemental Formula: C₁₂H₇Br₃O

Ecotype: coastal

Quantitative Ion m/z: 406

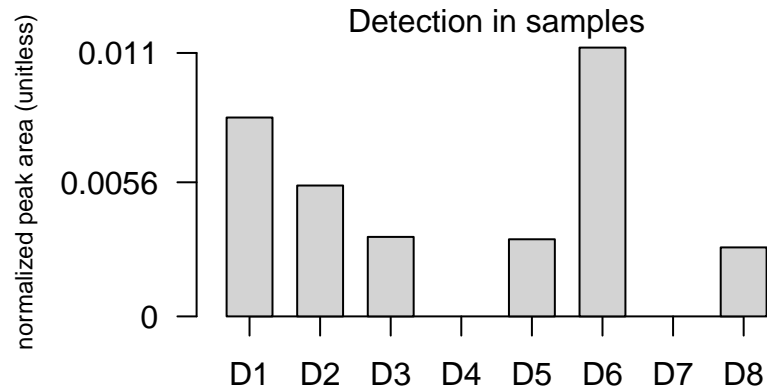
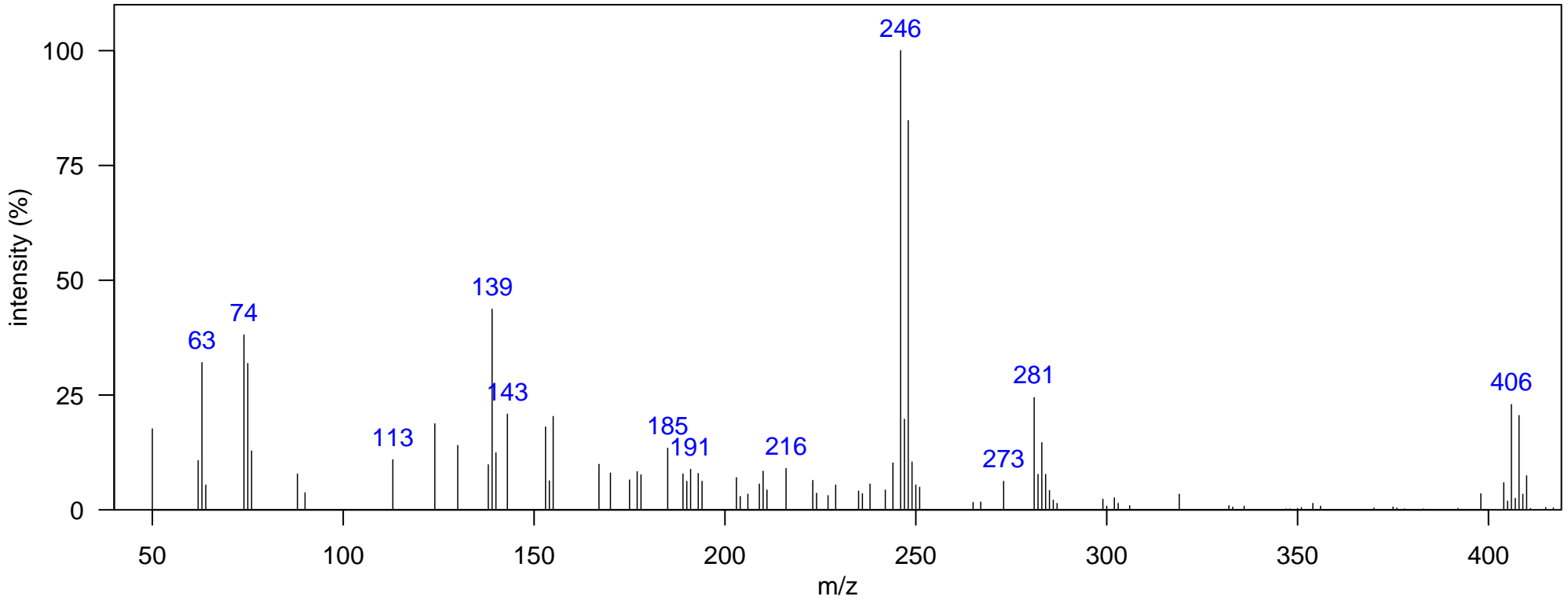
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ether 3Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
246 [M-Br ₂] ⁺
404 M ⁺

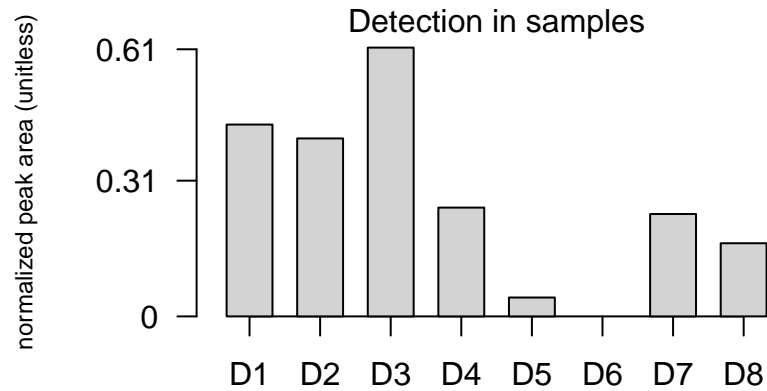
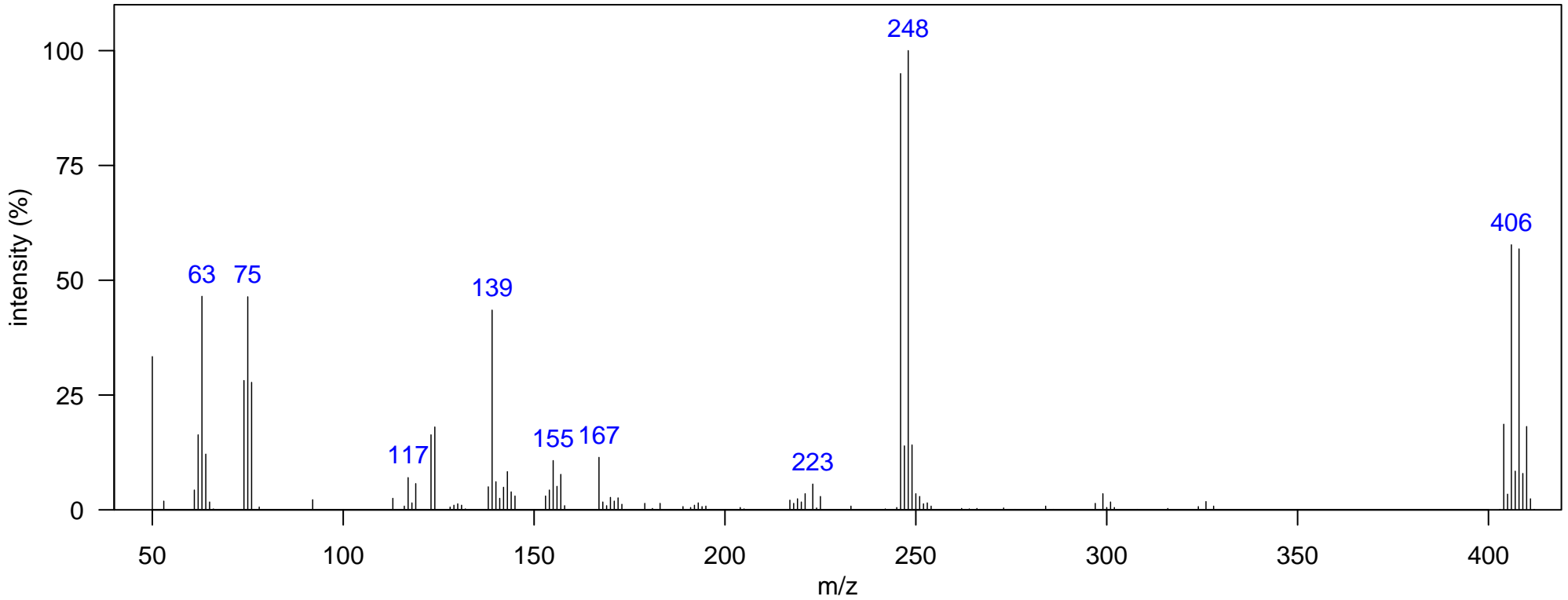
Name: BDE-28/33

Class: PBDE

Sample: SoCal dolphin blubber D1, KZP0086
Ecotype: coastal
Instrument: GCxGC-TOF, EI, 70 eV
Comment:

1D RT, 2D RT (s): 1411.54, 1.419
Quantitative Ion m/z: 406
Atlantic Lib: polybrominated diphenyl ether 3Br

Elemental Formula: C₁₂H₇Br₃O
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]
246 [M-Br ₂] ⁺
404 M ⁺

Name: BDE 3Br 1

Class: PBDE

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1516.48, 1.221

Elemental Formula: C₁₂H₇Br₃O

Ecotype: offshore

Quantitative Ion m/z: 406

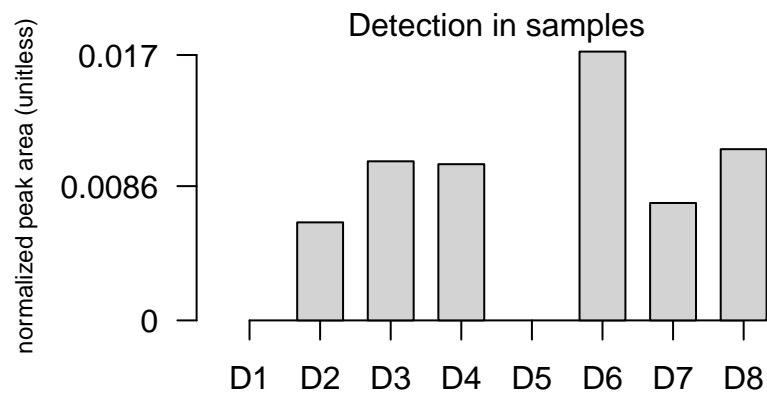
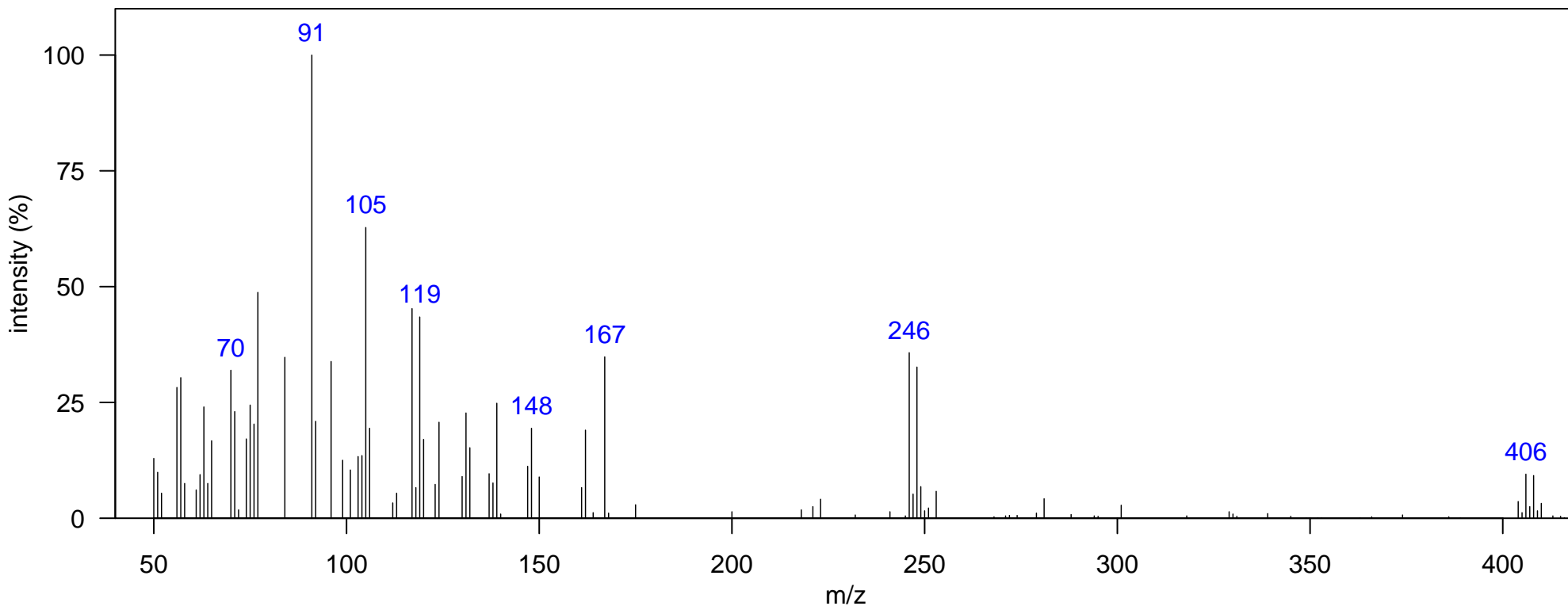
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ether 3Br

Identification: Authentic MS

Comment:



m/z [Fragment]
246 [M-Br ₂] ⁺
404 M ⁺

Name: BDE 3Br 2

Class: PBDE

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1533.97, 1.214

Elemental Formula: C₁₂H₇Br₃O

Ecotype: coastal

Quantitative Ion m/z: 406

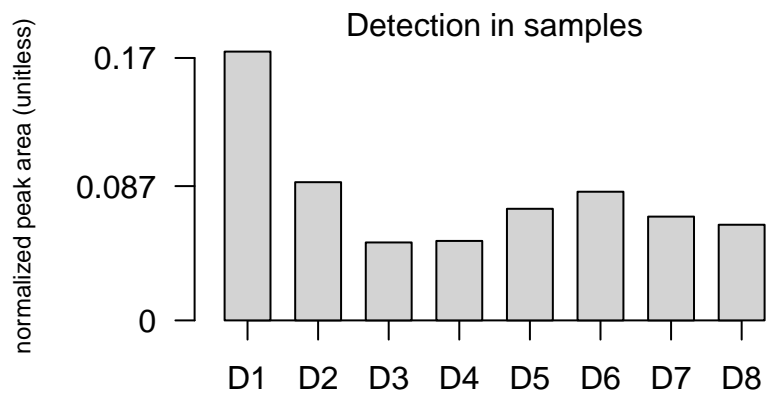
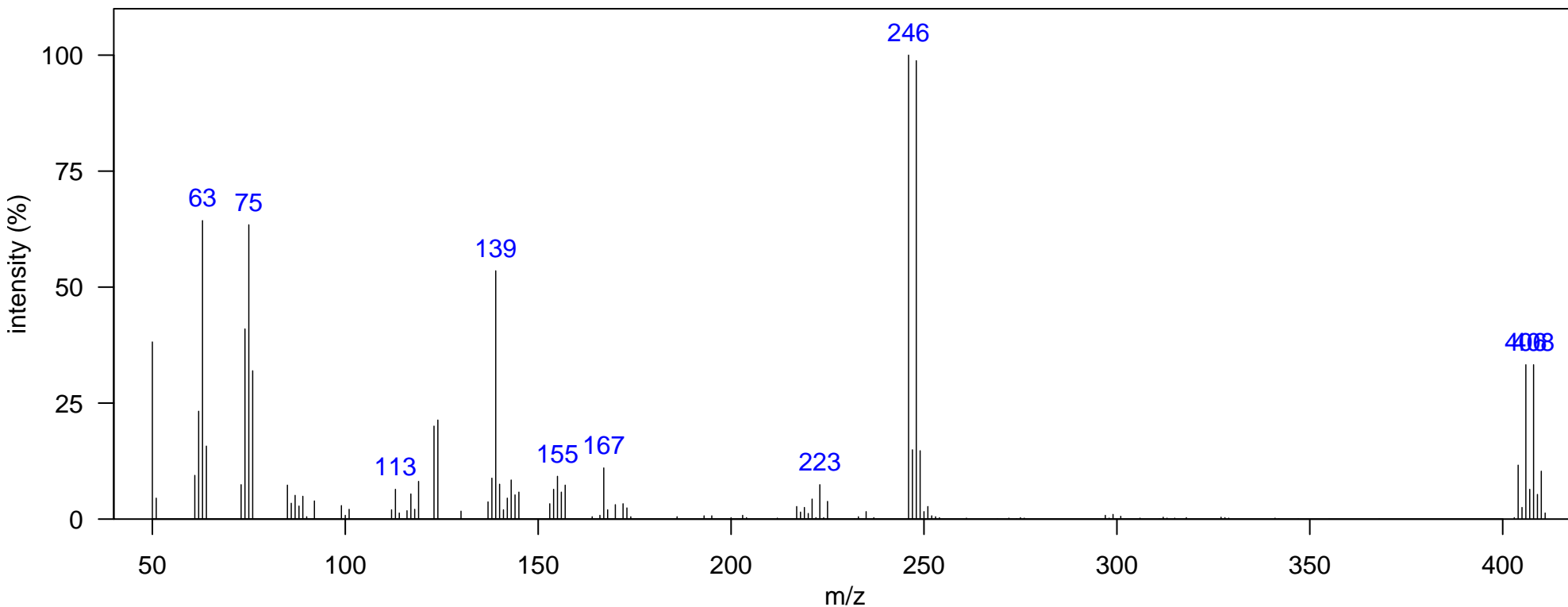
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ether 3Br

Identification: Authentic MS

Comment:



m/z [Fragment]
246 [M-Br ₂] ⁺
404 M ⁺

Name: BDE-75

Class: PBDE

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1495.49, 1.478

Elemental Formula: C₁₂H₆Br₄O

Ecotype: offshore

Quantitative Ion m/z: 486

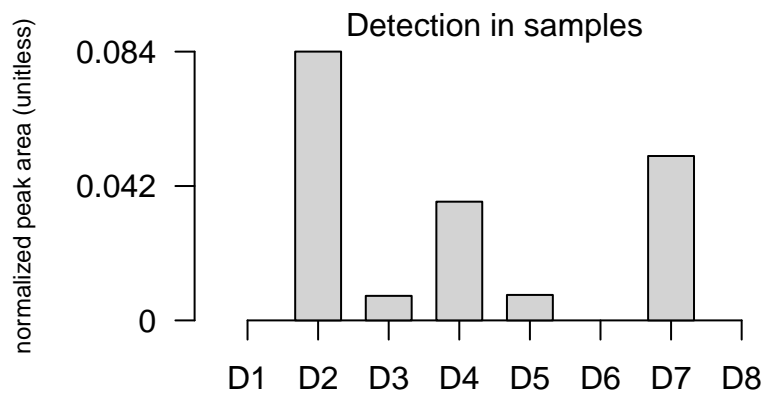
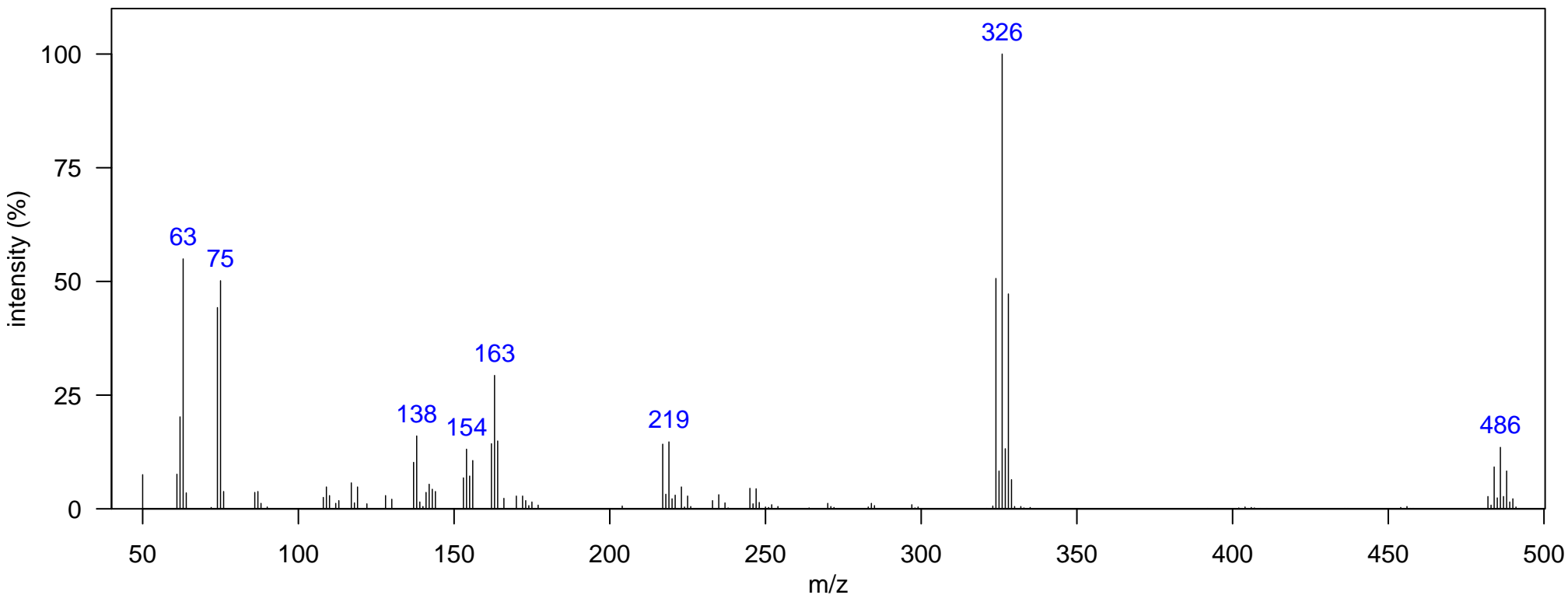
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ether 4Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
324 [M-Br ₂] ⁺
482 M ⁺

Name: BDE-49

Class: PBDE

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1512.98, 1.531

Elemental Formula: C₁₂H₆Br₄O

Ecotype: coastal

Quantitative Ion m/z: 486

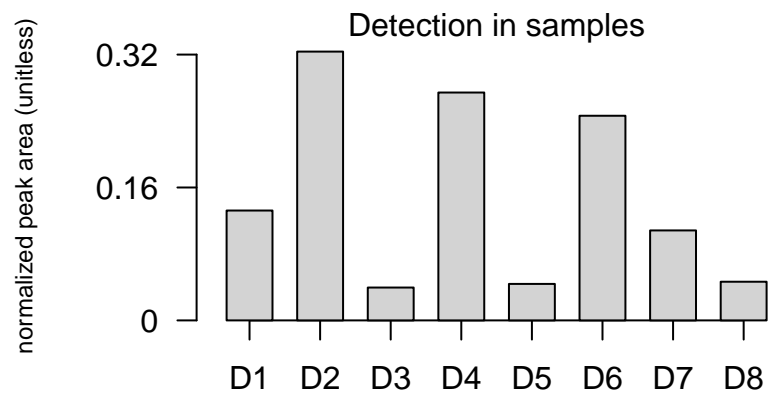
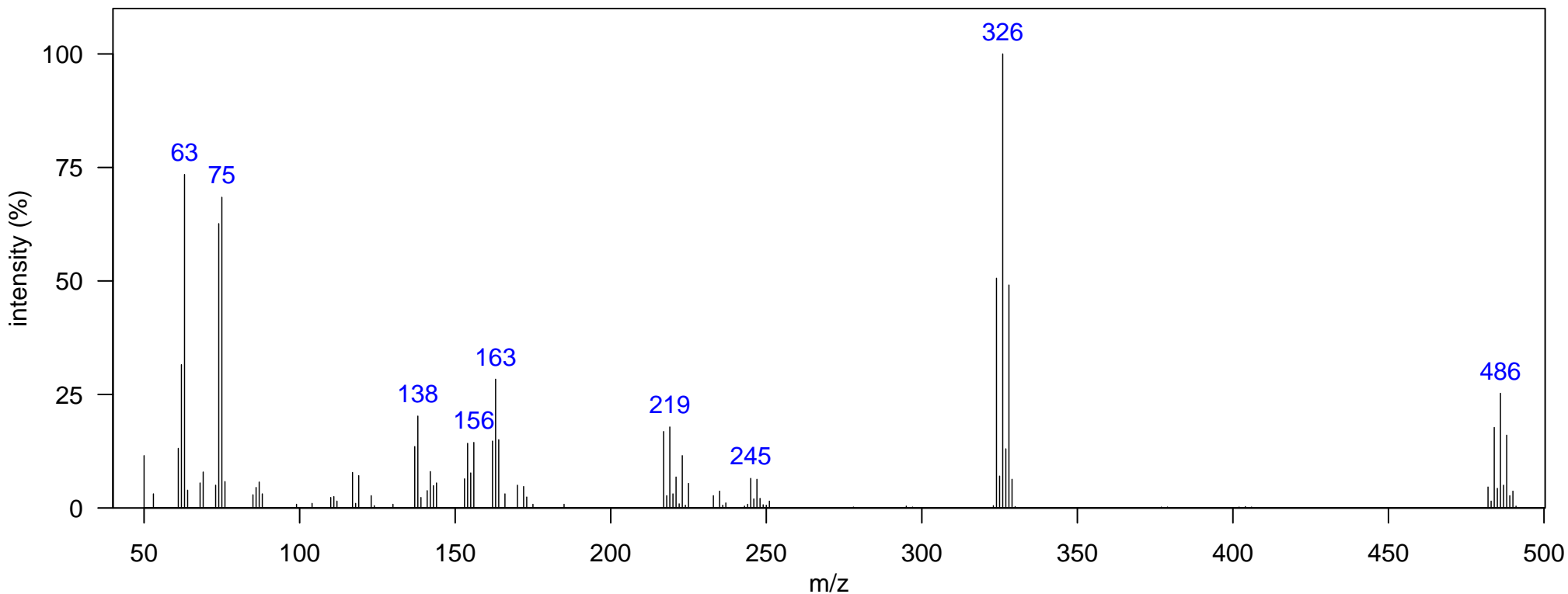
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ether 4Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
324 [M-Br ₂] ⁺
482 M ⁺

Name: BDE-47

Class: PBDE

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1533.97, 1.617

Elemental Formula: C₁₂H₆Br₄O

Ecotype: coastal

Quantitative Ion m/z: 486

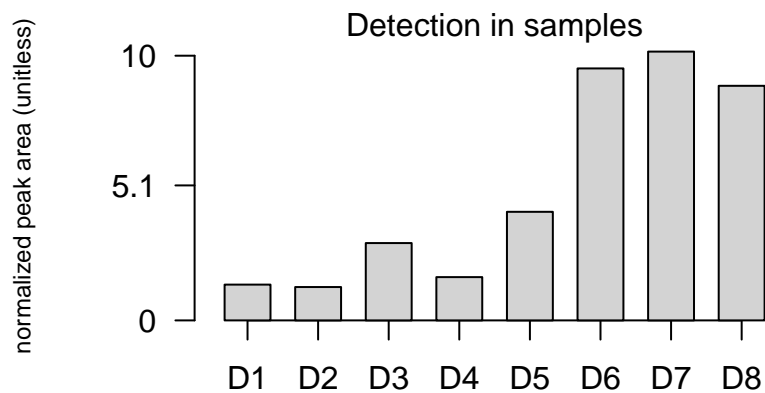
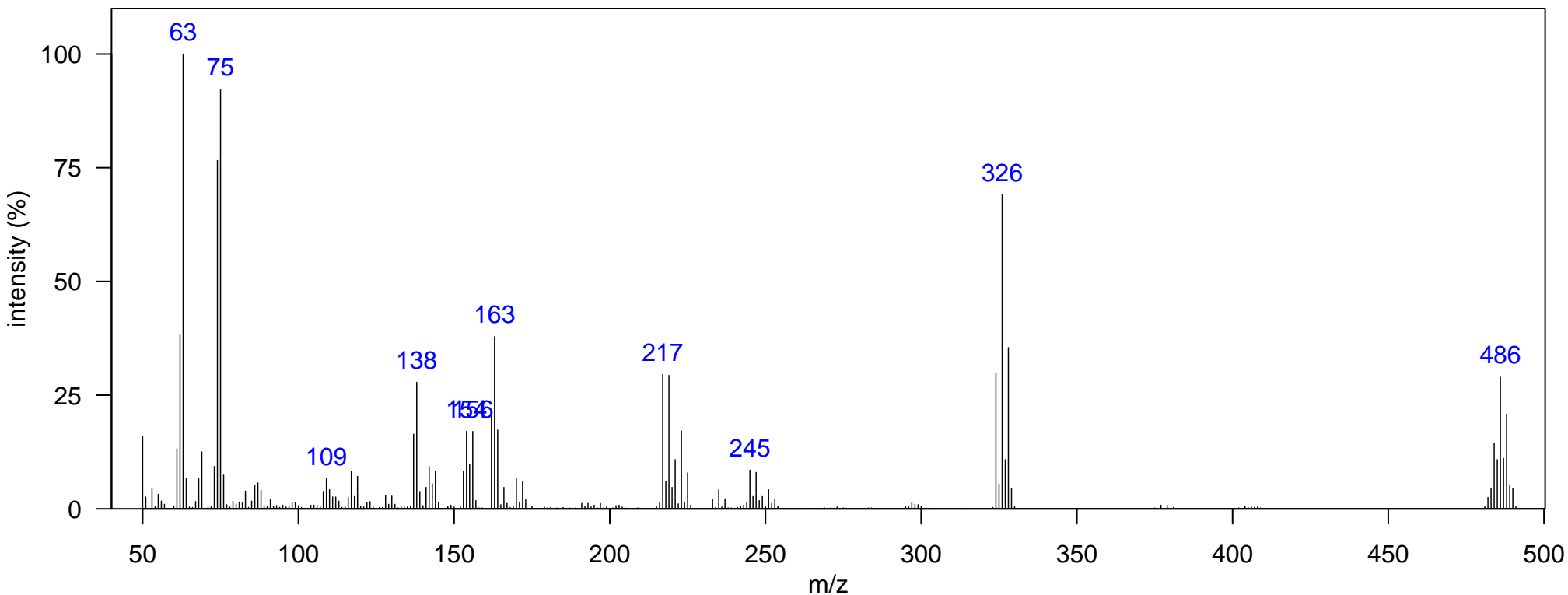
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ether 4Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
324 [M-Br ₂] ⁺
482 M ⁺

Name: BDE-66

Class: PBDE

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1551.46, 1.683

Elemental Formula: C₁₂H₆Br₄O

Ecotype: coastal

Quantitative Ion m/z: 486

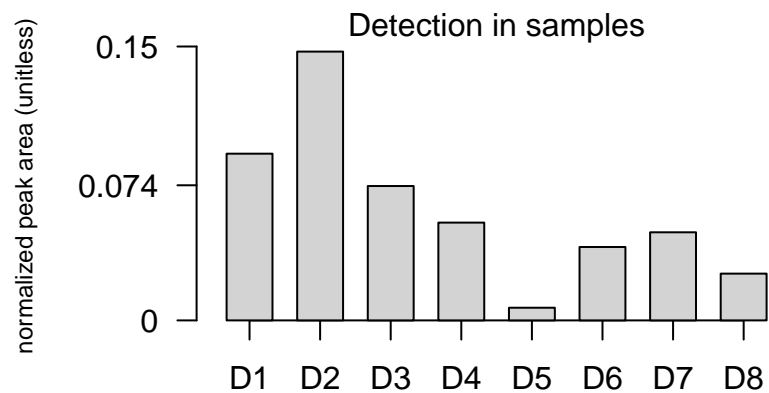
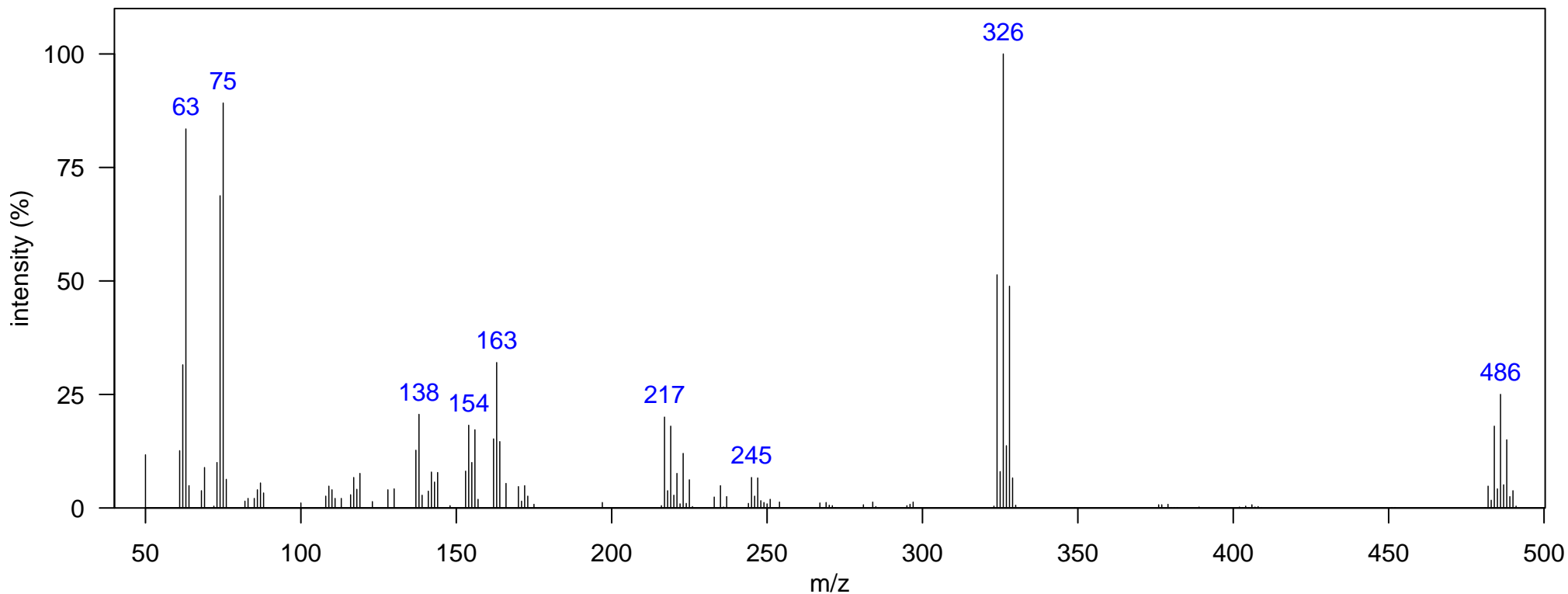
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ether 4Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
324 [M-Br ₂] ⁺
482 M ⁺

Name: BDE 4Br 1

Class: PBDE

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1642.4, 1.597

Elemental Formula: C₁₂H₆Br₄O

Ecotype: coastal

Quantitative Ion m/z: 486

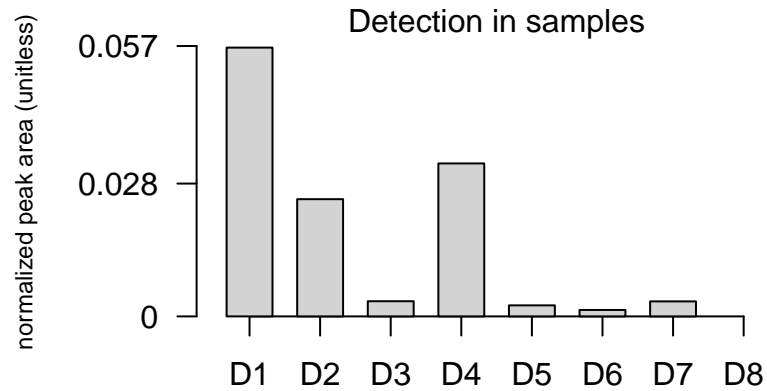
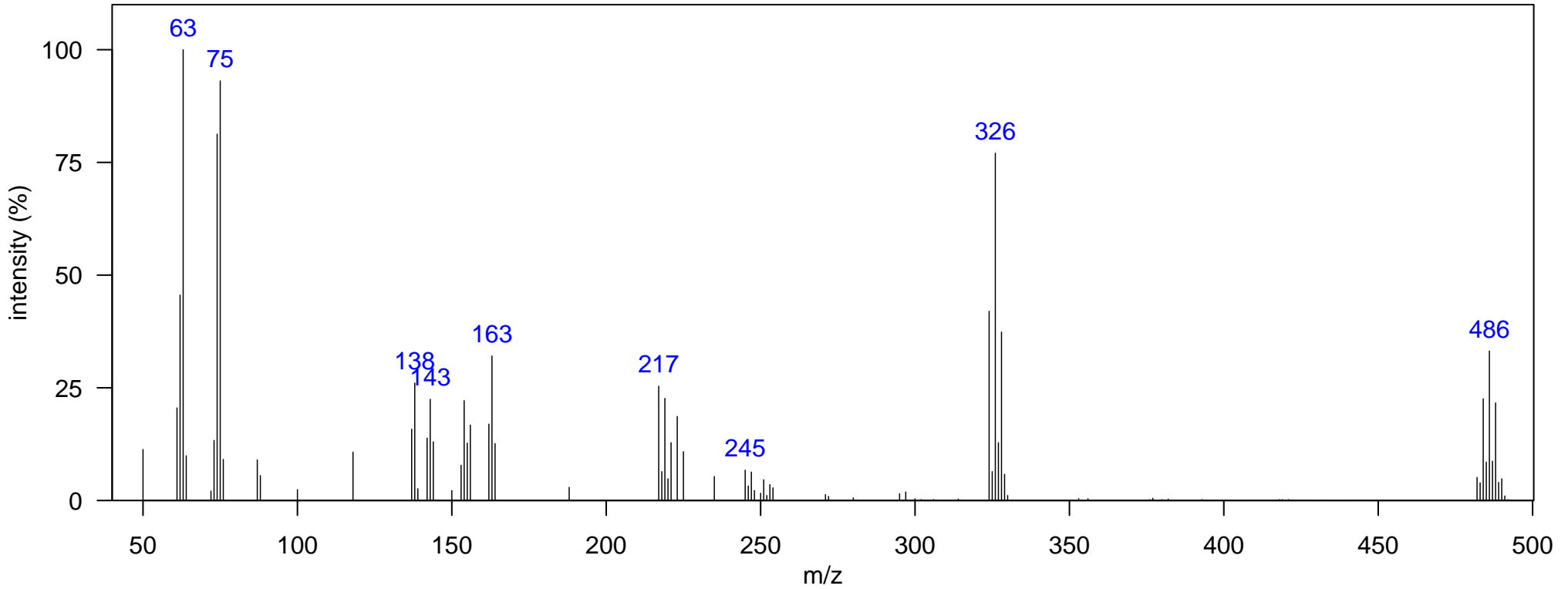
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ether 4Br

Identification: Authentic MS

Comment:



m/z [Fragment]
324 [M-Br ₂] ⁺
482 M ⁺

Name: BDE 5Br 1

Class: PBDE

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1593.43, 1.881

Elemental Formula: C₁₂H₅Br₅O

Ecotype: offshore

Quantitative Ion m/z: 564

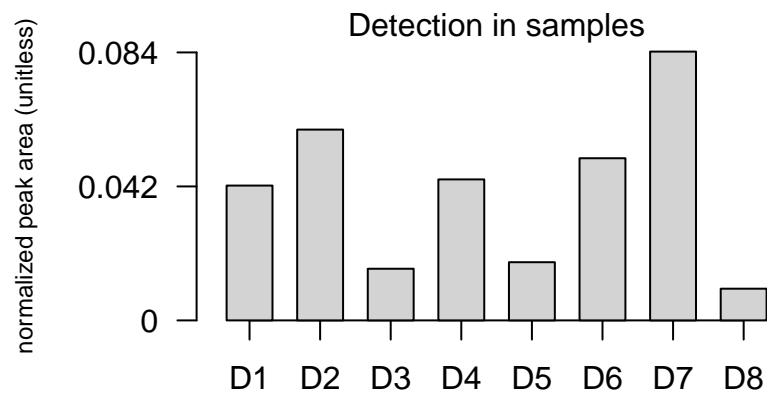
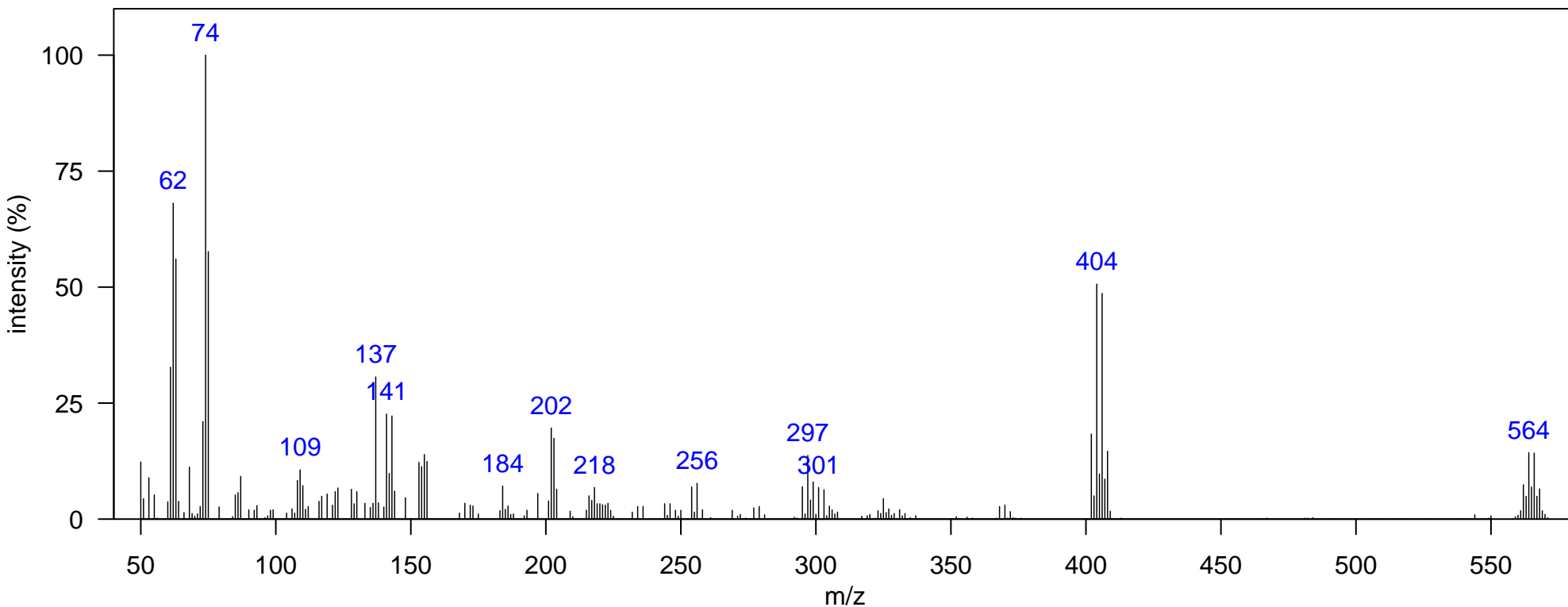
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ether 5Br

Identification: Authentic MS

Comment:



m/z [Fragment]
254 Interference
279 Interference
370 Interference
402 [M-Br ₂] ⁺
560 M ⁺

Name: BDE-100

Class: PBDE

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1642.4, 2.119

Elemental Formula: C₁₂H₅Br₅O

Ecotype: coastal

Quantitative Ion m/z: 564

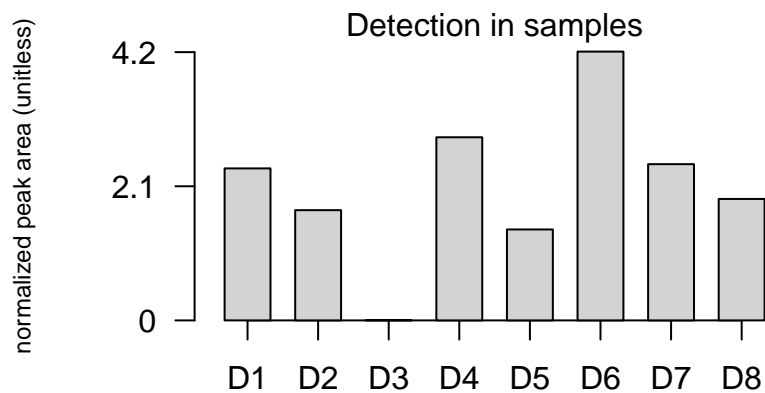
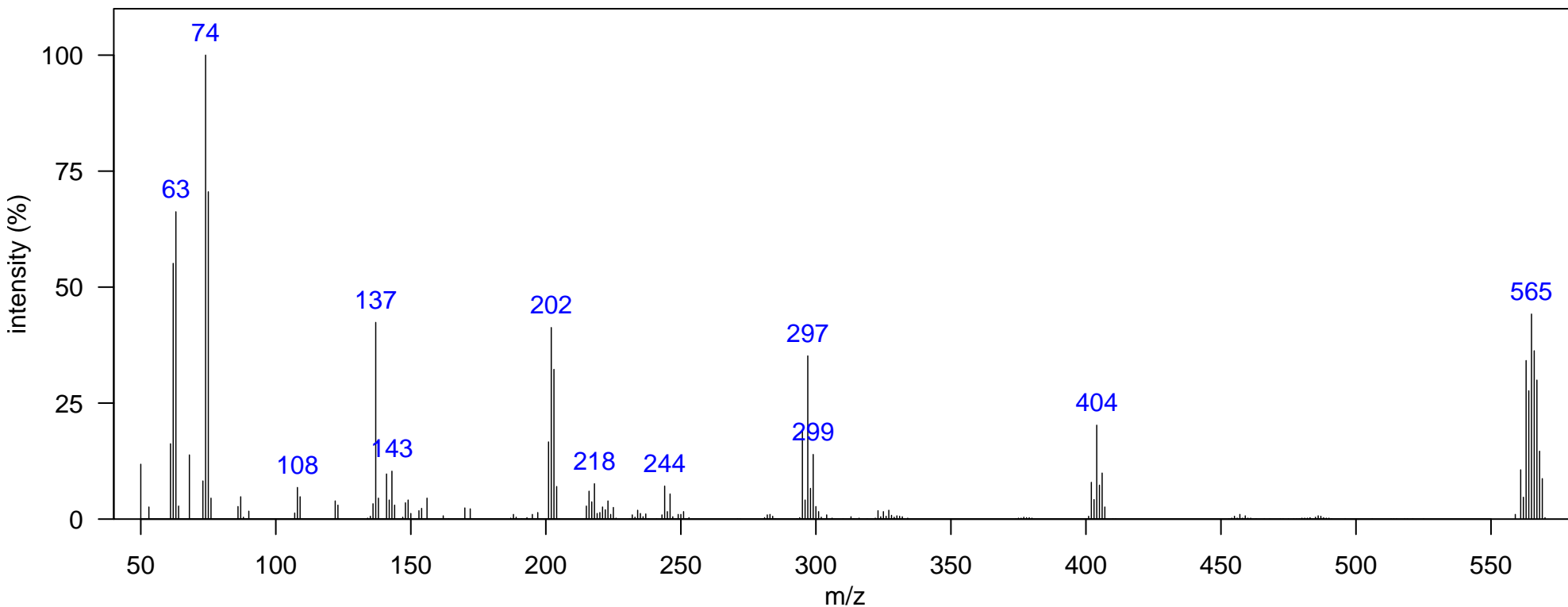
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ther 5Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
402 [M-Br ₂] ⁺
560 M ⁺

Name: BDE-99

Class: PBDE

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1673.89, 2.297

Elemental Formula: C₁₂H₅Br₅O

Ecotype: coastal

Quantitative Ion m/z: 564

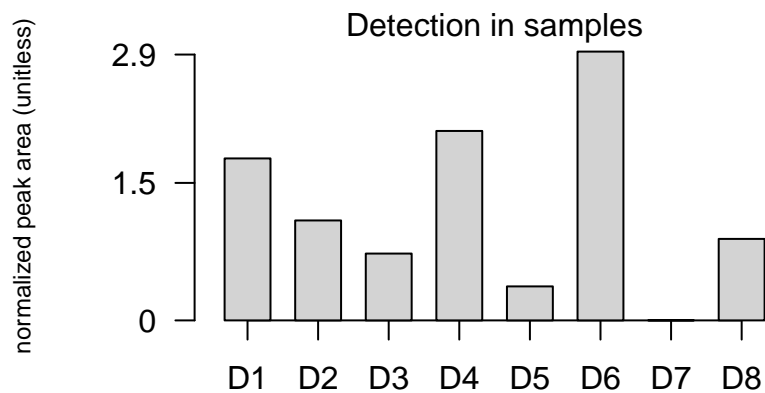
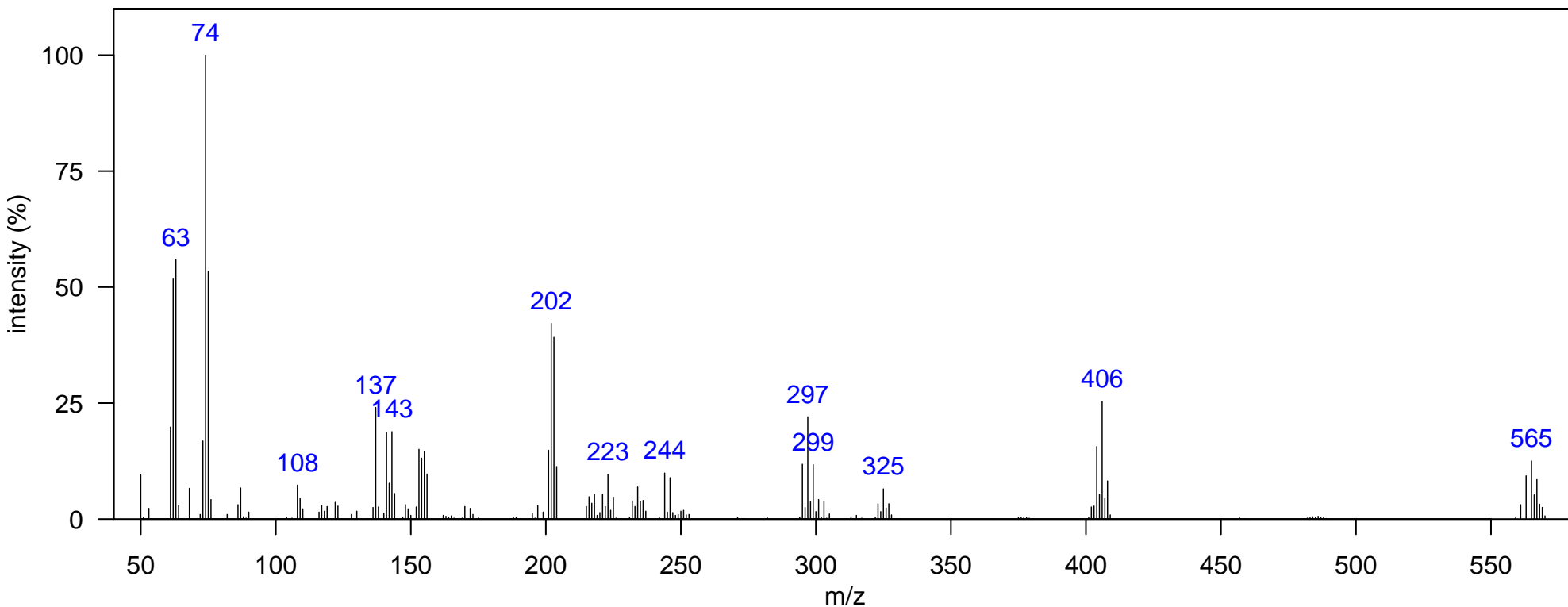
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ether 5Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
402 [M-Br ₂] ⁺
560 M ⁺

Name: BDE-116

Class: PBDE

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1705.37, 2.158

Elemental Formula: C₁₂H₅Br₅O

Ecotype: coastal

Quantitative Ion m/z: 564

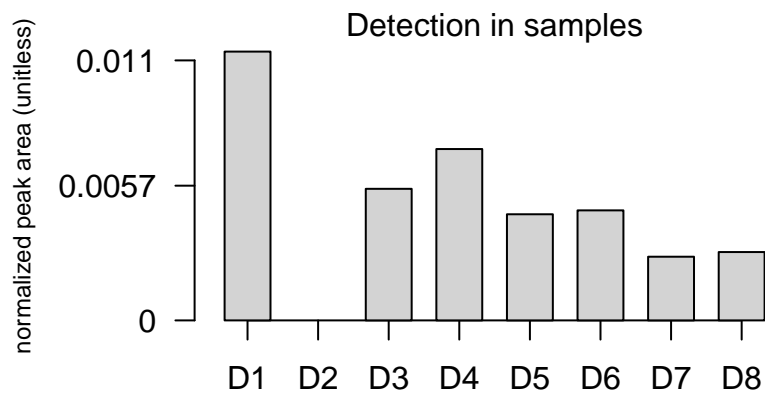
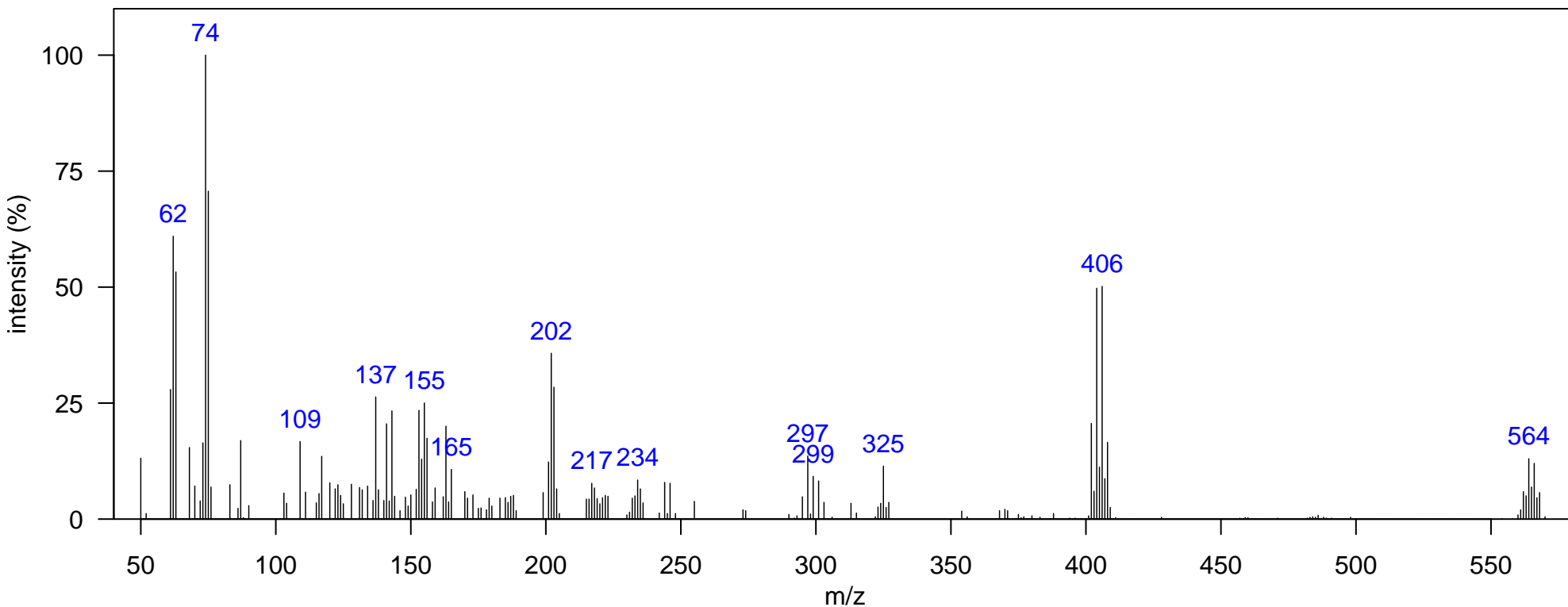
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ether 5Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
402 [M-Br ₂] ⁺
560 M ⁺

Name: BDE-155

Class: PBDE

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1750.84, 2.178

Elemental Formula: C₁₂H₄Br₆O

Ecotype: coastal

Quantitative Ion m/z: 644

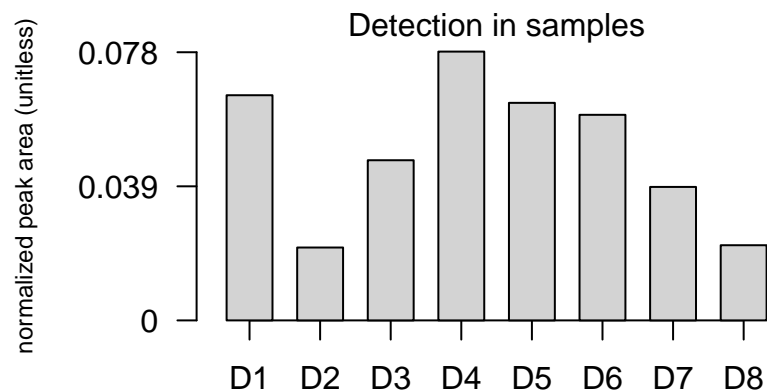
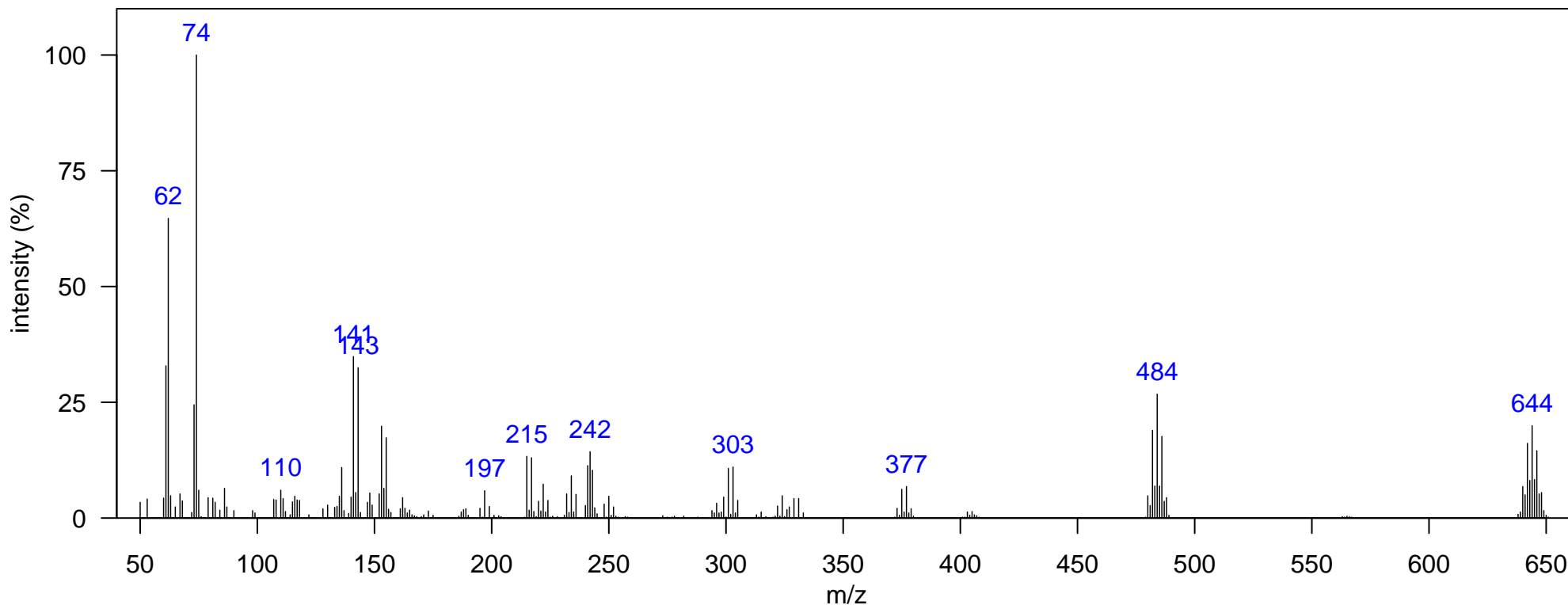
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ether 6Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
480 [M-Br ₂] ⁺
638 M ⁺

Name: BDE-154

Class: PBDE

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1768.33, 2.237

Elemental Formula: C₁₂H₄Br₆O

Ecotype: coastal

Quantitative Ion m/z: 644

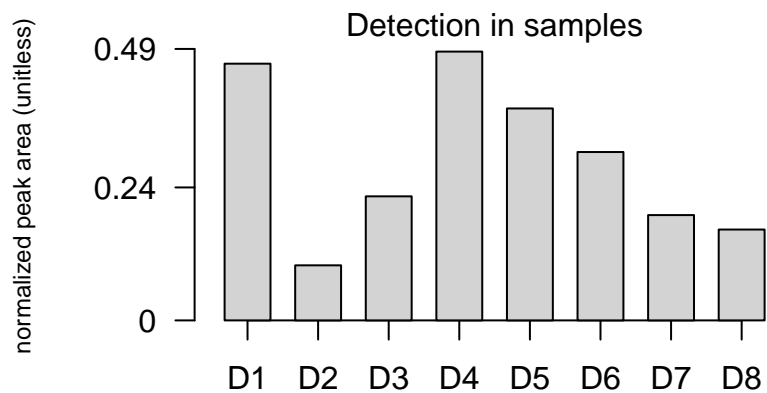
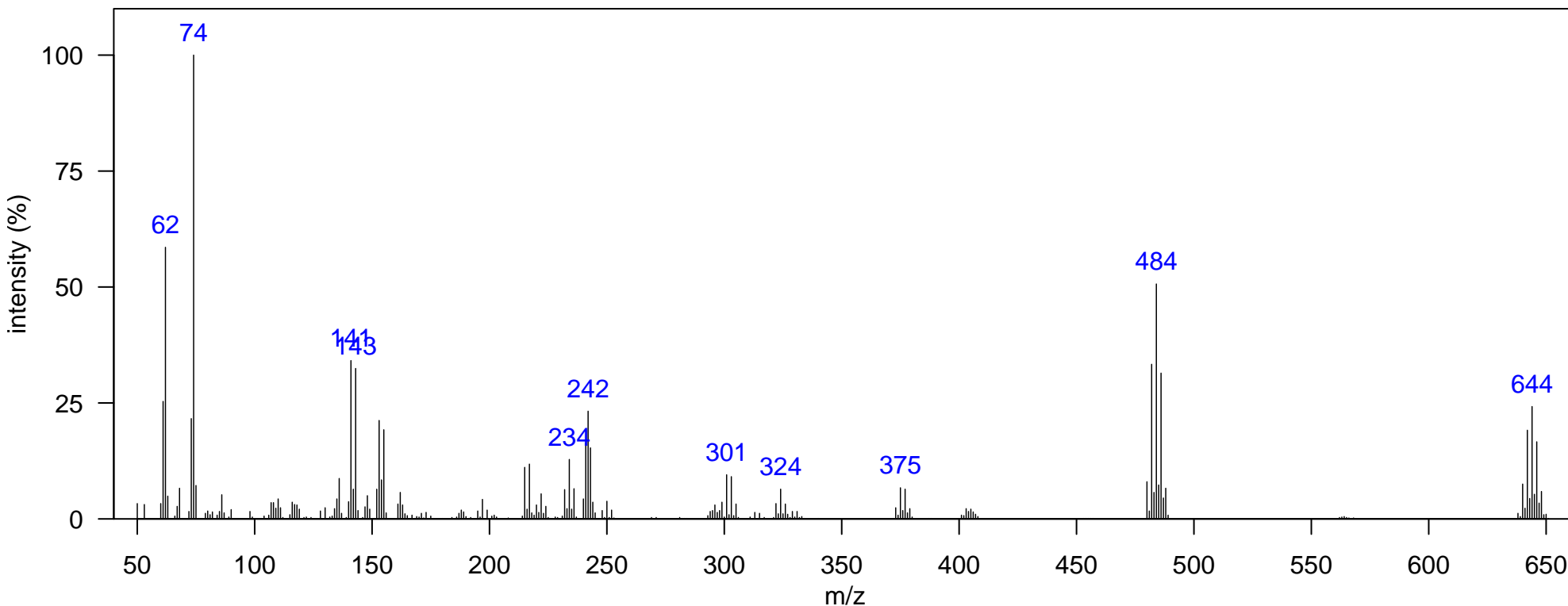
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ether 6Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
480 [M-Br ₂] ⁺
638 M ⁺

Name: BDE-153

Class: PBDE

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1817.3, 2.429

Elemental Formula: C₁₂H₄Br₆O

Ecotype: coastal

Quantitative Ion m/z: 644

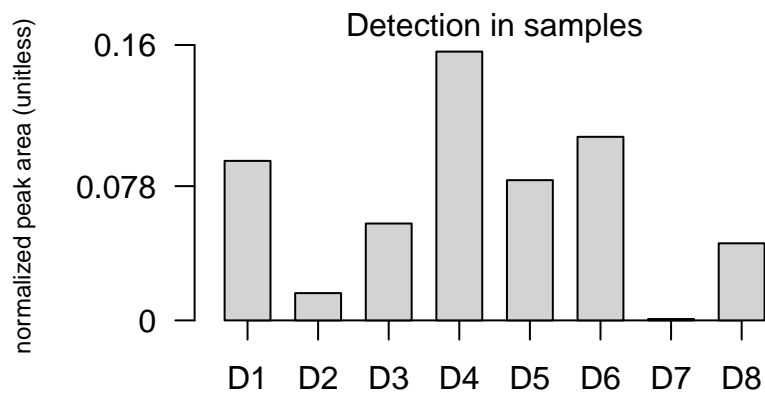
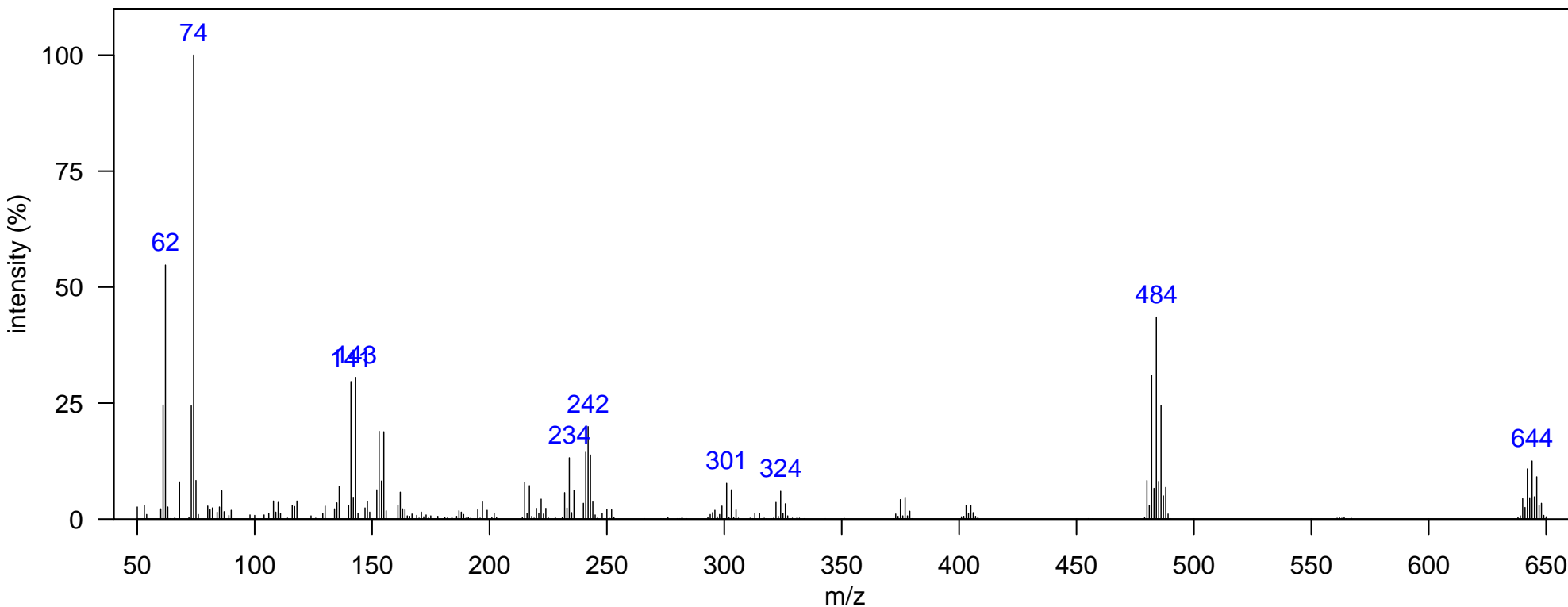
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated diphenyl ether 6Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
480 [M-Br ₂] ⁺
638 M ⁺

Name: BB-52

Class: PBB

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1443.02, 1.452

Elemental Formula: C₁₂H₆Br₄

Ecotype: coastal

Quantitative Ion m/z: 470

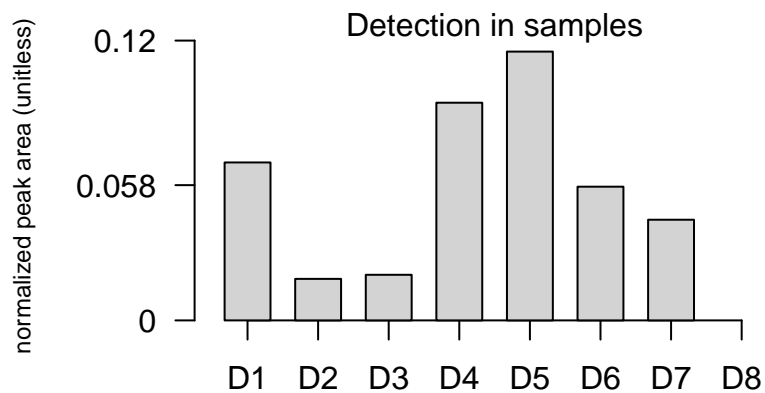
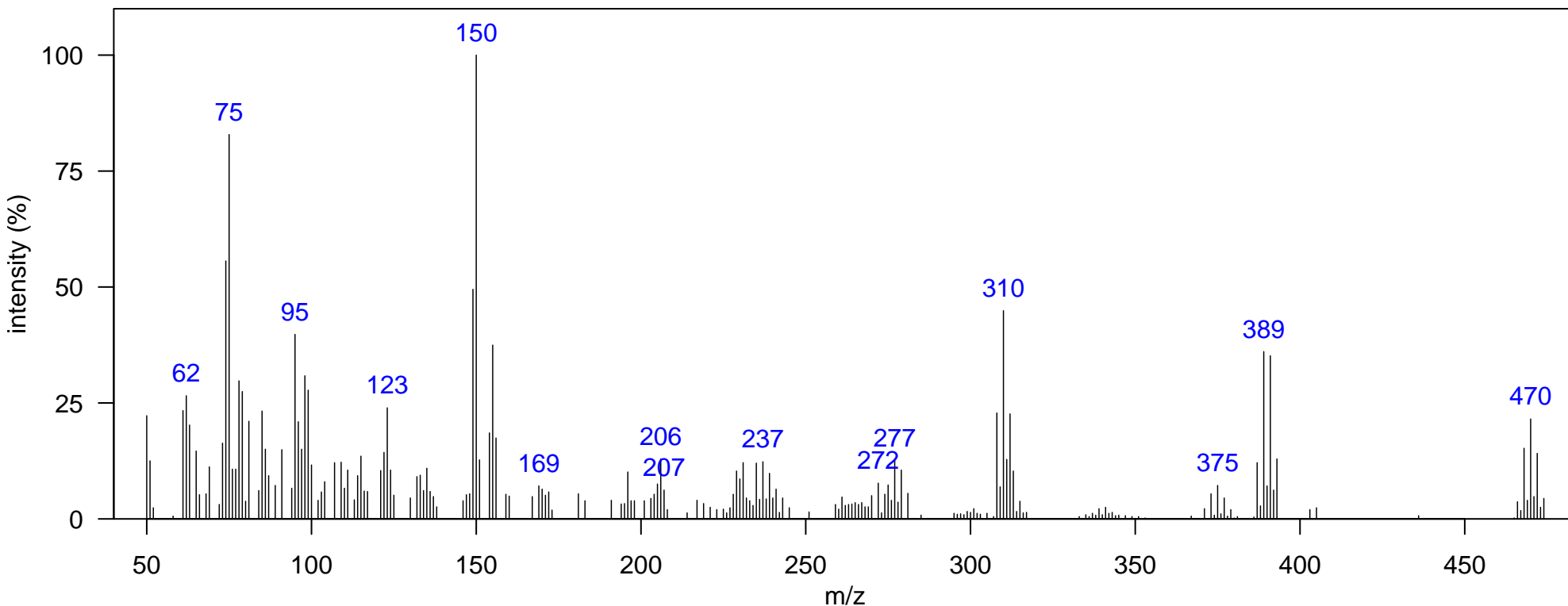
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated biphenyl 4Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
308 [M-Br ₂] ⁺
387 [M-Br] ⁺
466 M ⁺

Name: BB-49

Class: PBB

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1457.01, 1.485

Elemental Formula: C₁₂H₆Br₄

Ecotype: coastal

Quantitative Ion m/z: 470

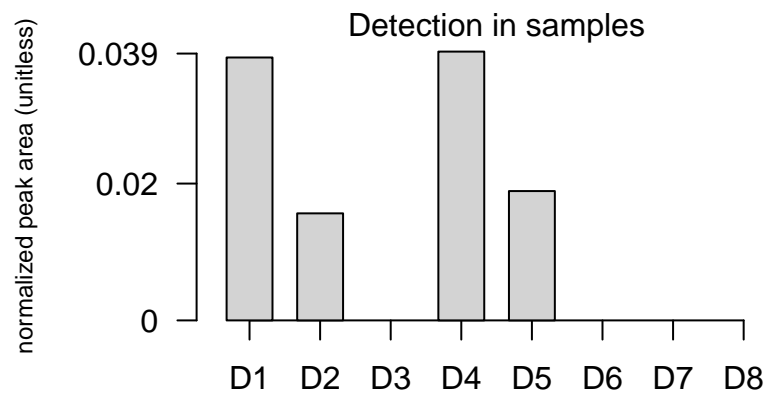
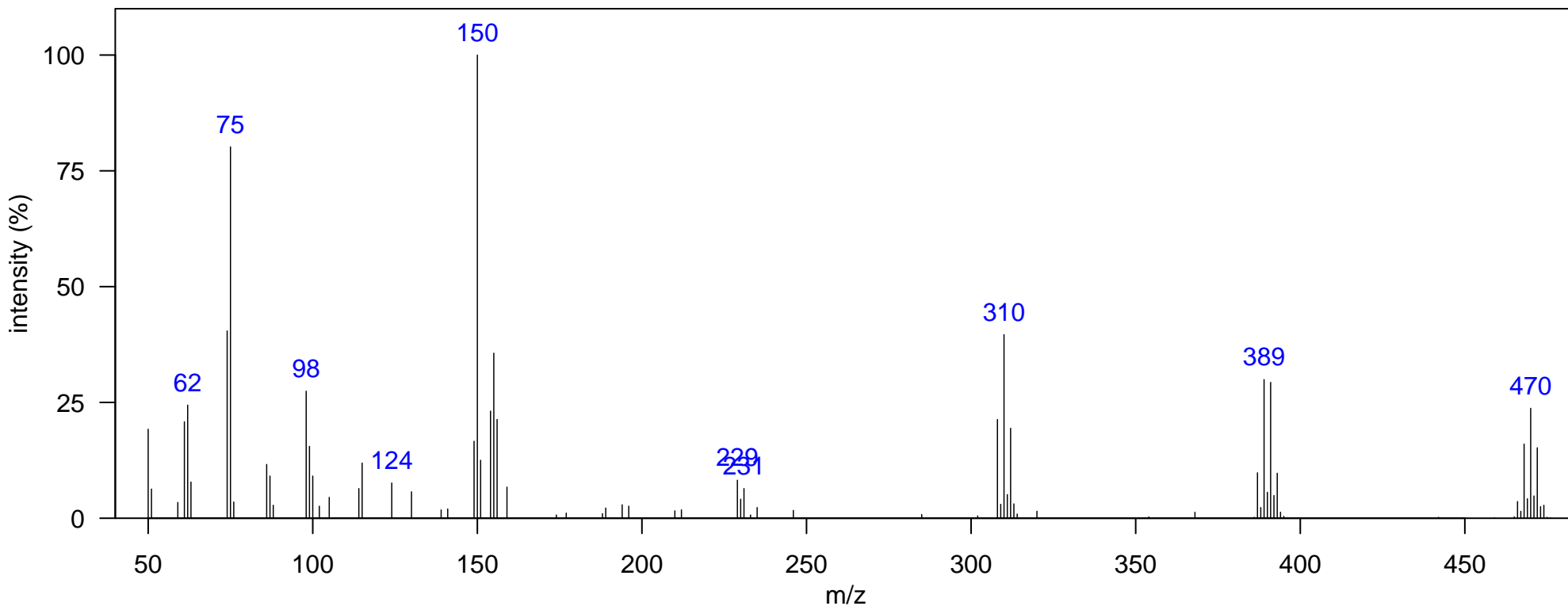
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated biphenyl 4Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
308 [M-Br ₂] ⁺
387 [M-Br] ⁺
466 M ⁺

Name: BB 4Br 1

Class: PBB

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1464.01, 1.492

Elemental Formula: C₁₂H₆Br₄

Ecotype: coastal

Quantitative Ion m/z: 470

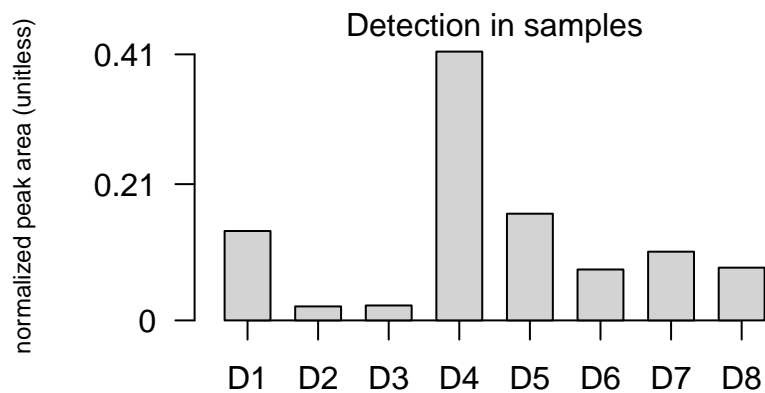
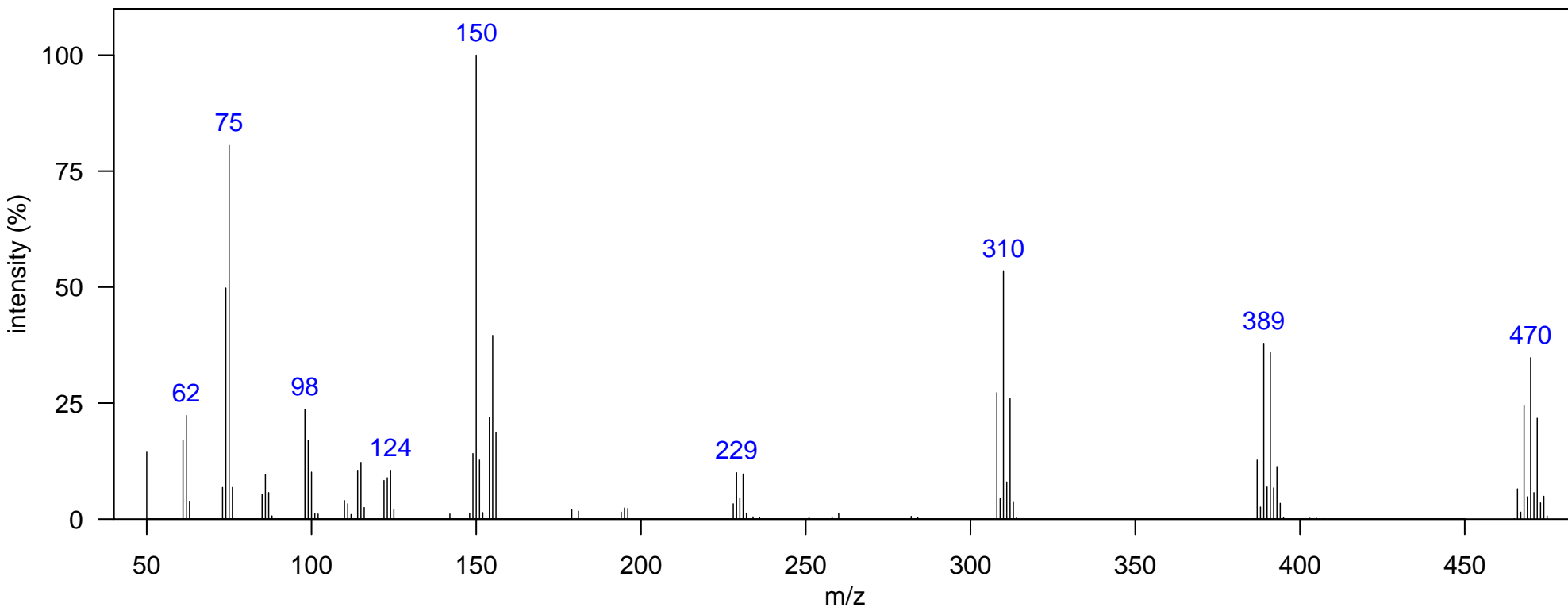
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated biphenyl 4Br

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
308 [M-Br ₂] ⁺
387 [M-Br] ⁺
466 M ⁺

Name: BB 4Br 2

Class: PBB

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1526.97, 1.657

Elemental Formula: C₁₂H₆Br₄

Ecotype: coastal

Quantitative Ion m/z: 470

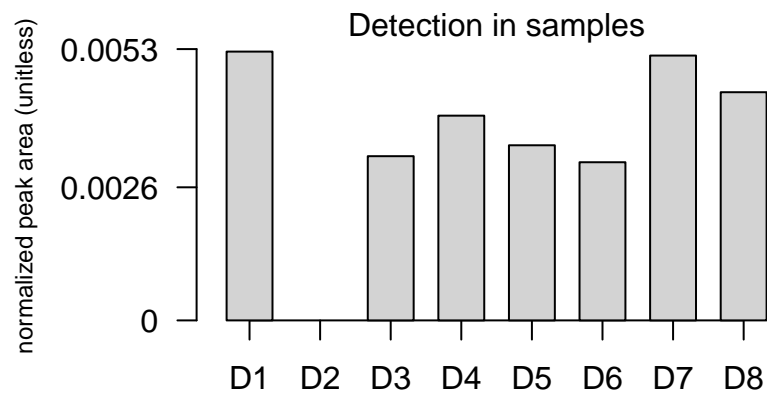
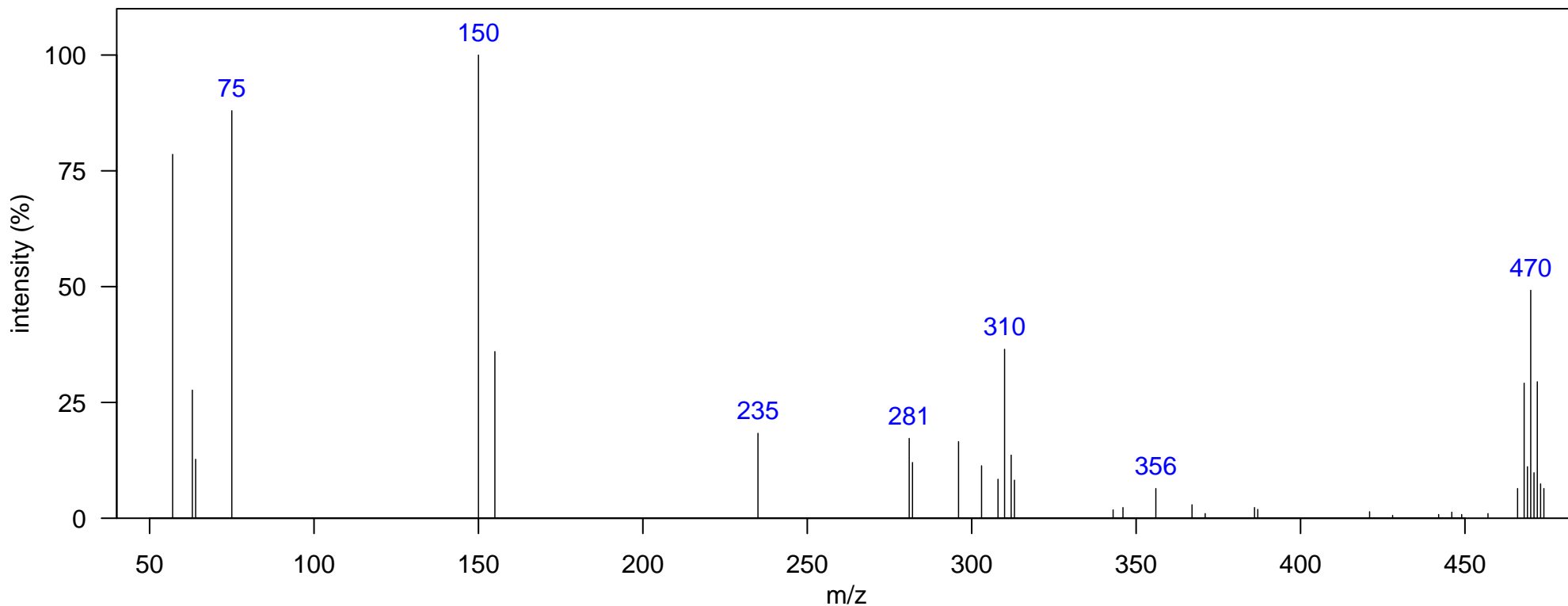
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated biphenyl 4Br

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
308 [M-Br ₂] ⁺
387 [M-Br] ⁺
466 M ⁺

Name: BB 4Br 3

Class: PBB

Sample: SoCal dolphin blubber D4, JEH0504

1D RT, 2D RT (s): 1586.44, 1.366

Elemental Formula: C₁₂H₆Br₄

Ecotype: offshore

Quantitative Ion m/z: 470

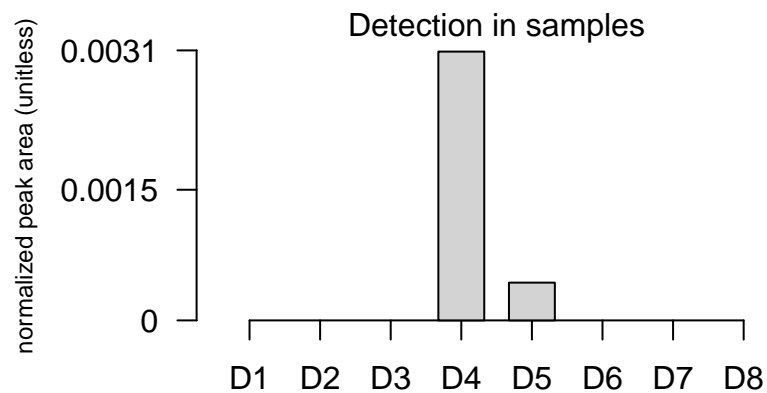
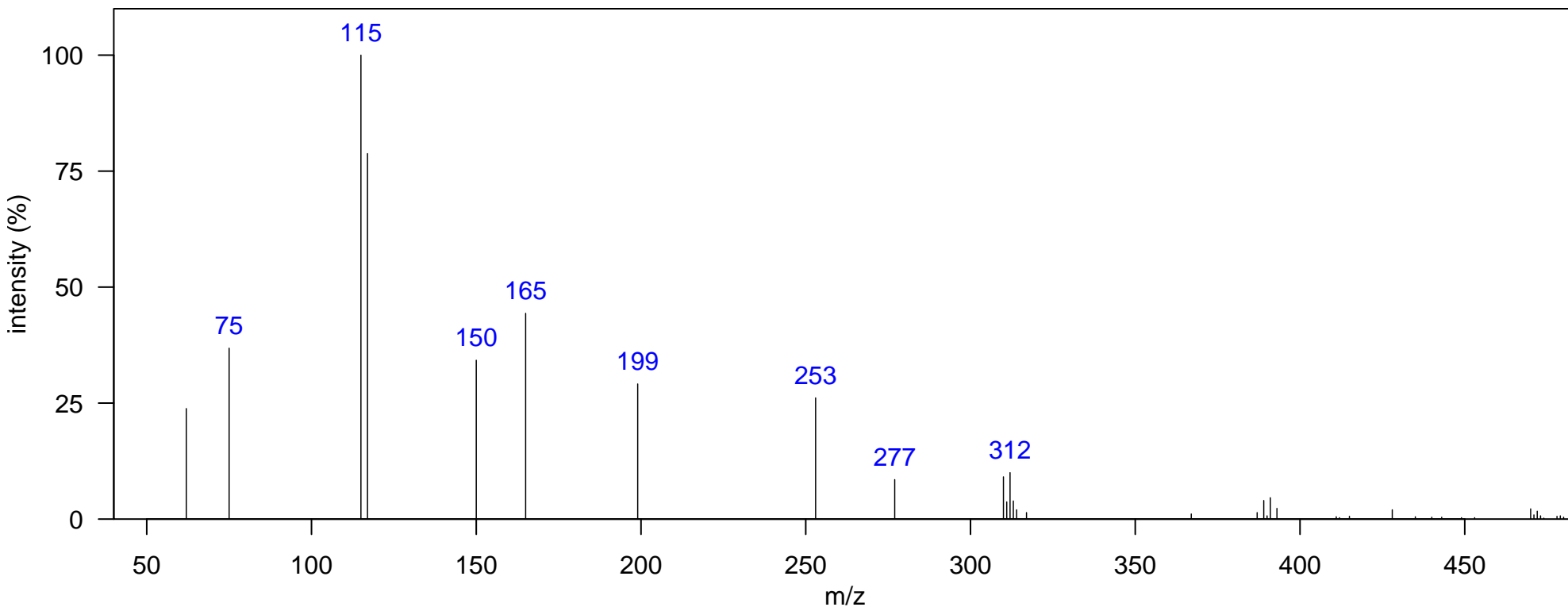
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated biphenyl 4Br

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
387 [M-Br] ⁺
466 M ⁺

Name: BB 5Br 1

Class: PBB

Sample: SoCal dolphin blubber D4, JEH0504

1D RT, 2D RT (s): 1558.45, 1.795

Elemental Formula: C₁₂H₅Br₅

Ecotype: offshore

Quantitative Ion m/z: 548

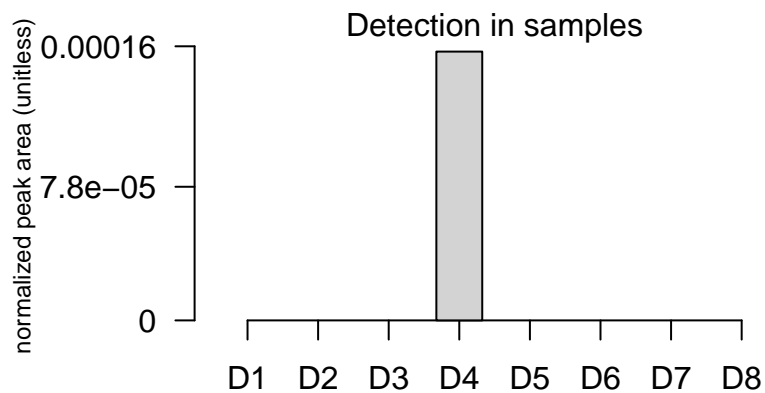
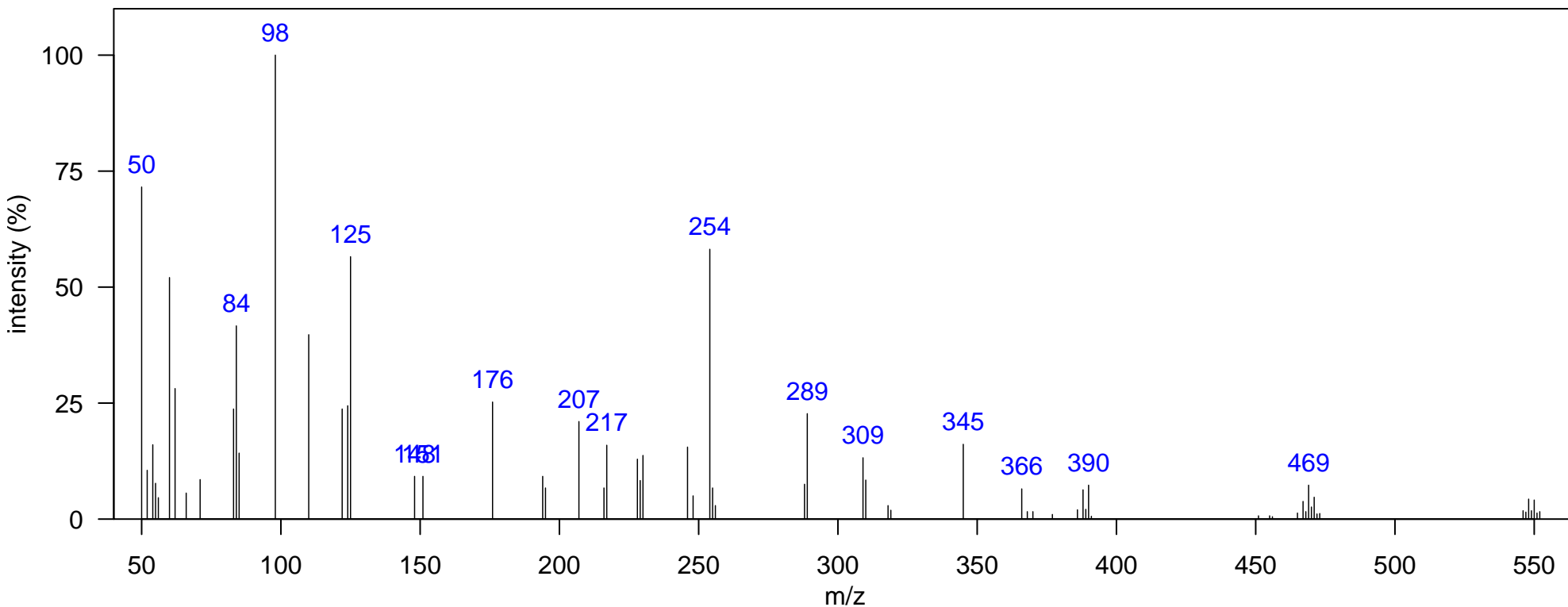
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated biphenyl 5Br

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
386 [M-Br ₂] ⁺
465 [M-Br] ⁺
544 M ⁺

Name: BB-101

Class: PBB

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1593.43, 1.848

Elemental Formula: C₁₂H₅Br₅

Ecotype: coastal

Quantitative Ion m/z: 548

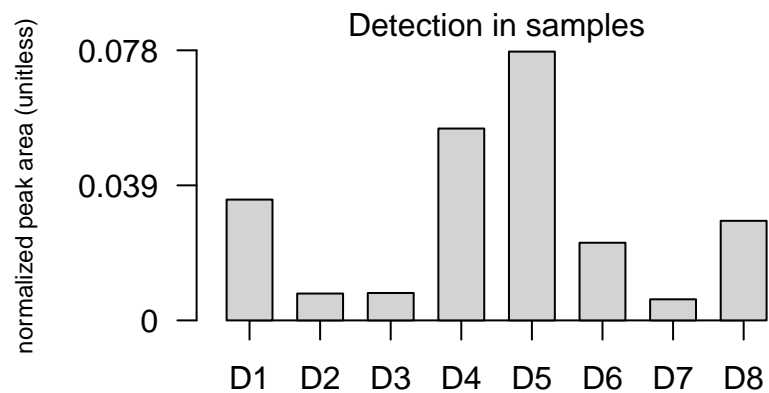
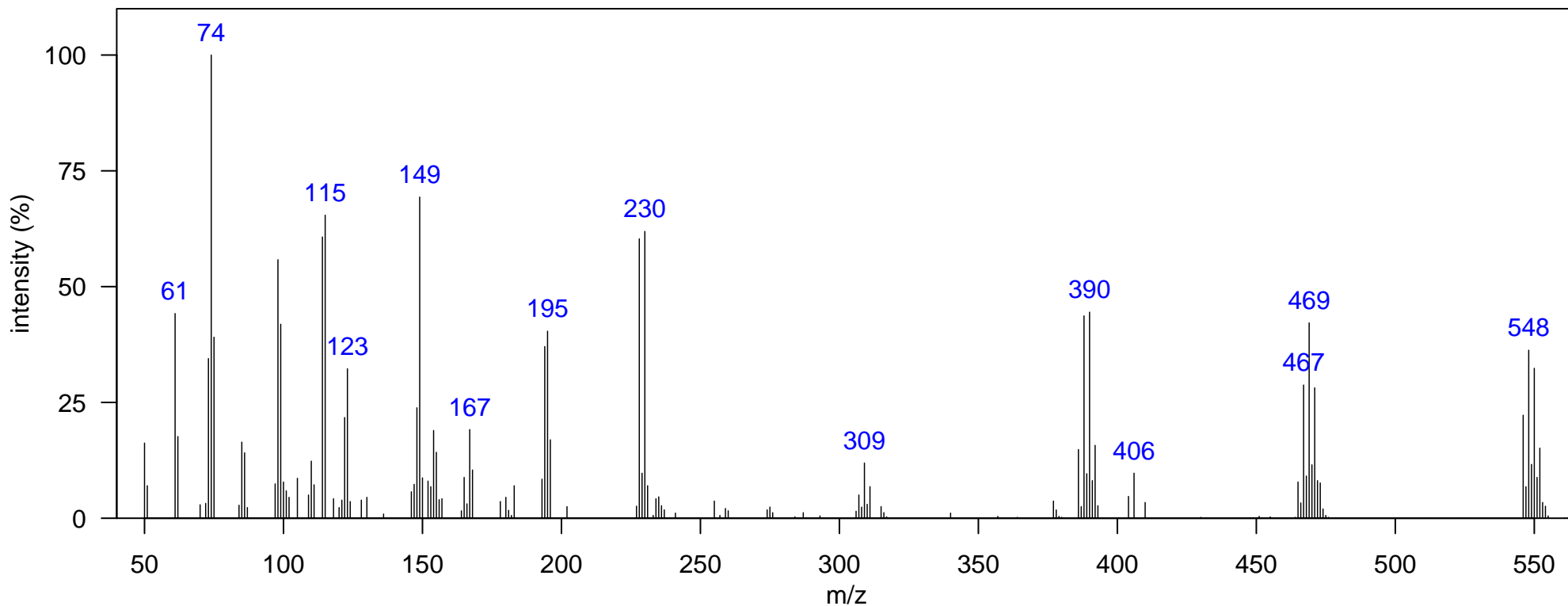
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated biphenyl 5Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
386 [M-Br ₂] ⁺
465 [M-Br] ⁺
544 M ⁺

Name: BB 5Br 2

Class: PBB

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1607.42, 1.927

Elemental Formula: C₁₂H₅Br₅

Ecotype: coastal

Quantitative Ion m/z: 548

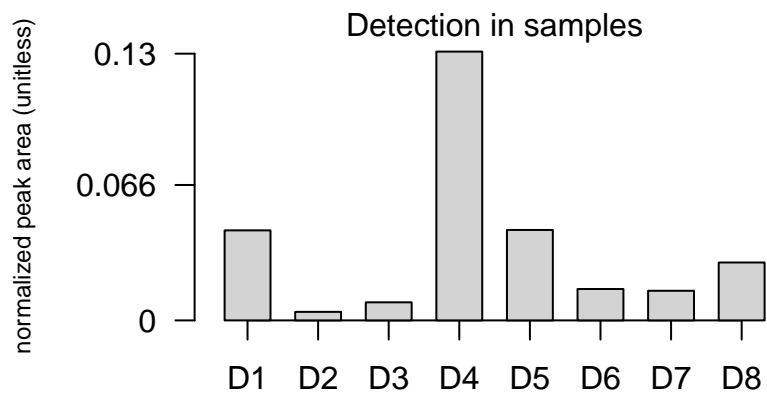
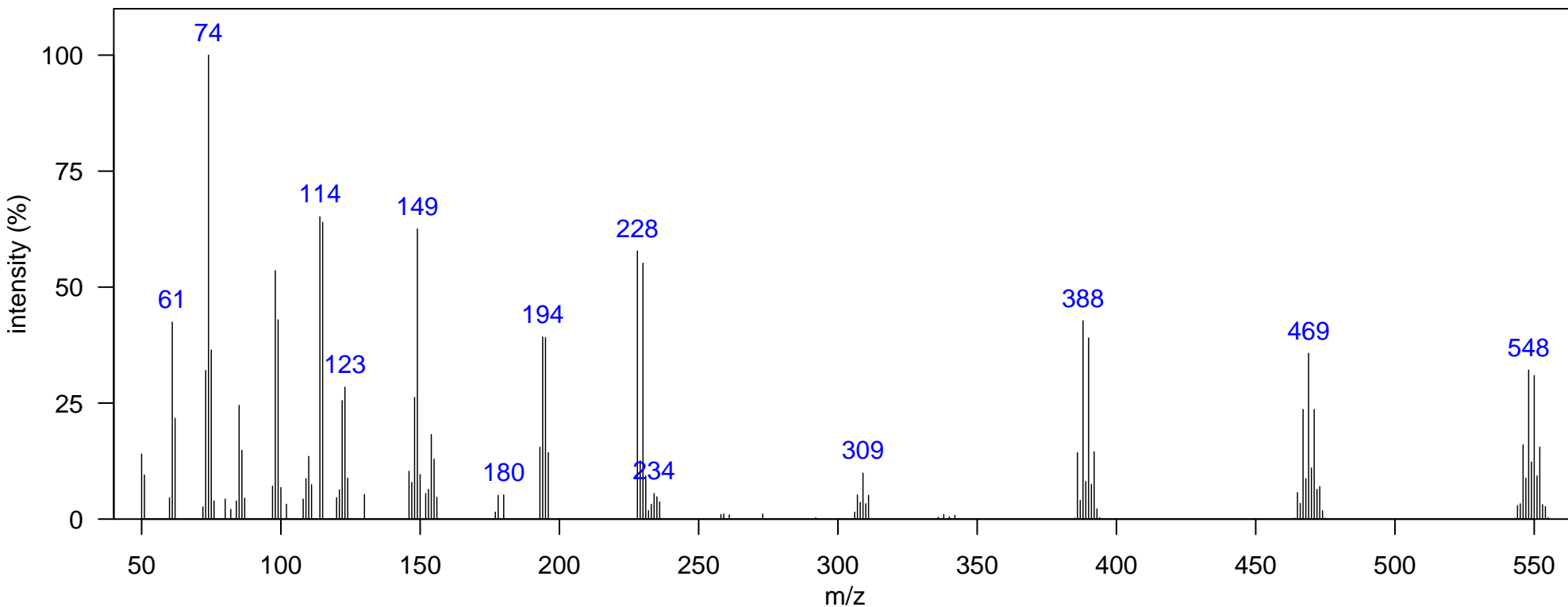
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated biphenyl 5Br

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
386 [M-Br ₂] ⁺
465 [M-Br] ⁺
544 M ⁺

Name: BB 5Br 3

Class: PBB

Sample: SoCal dolphin blubber D4, JEH0504

1D RT, 2D RT (s): 1694.87, 2.218

Elemental Formula: C₁₂H₅Br₅

Ecotype: offshore

Quantitative Ion m/z: 548

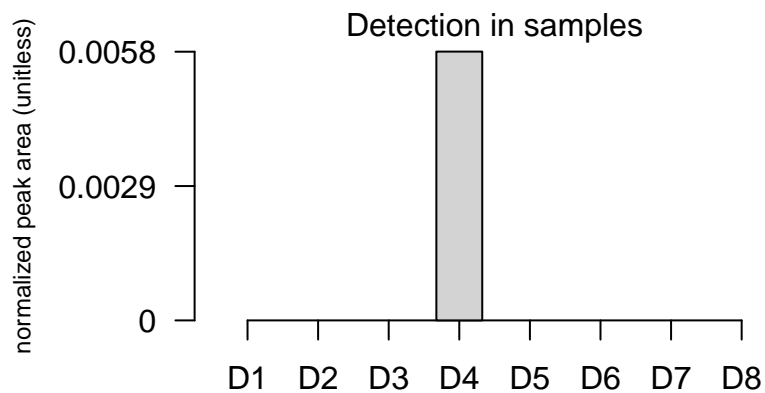
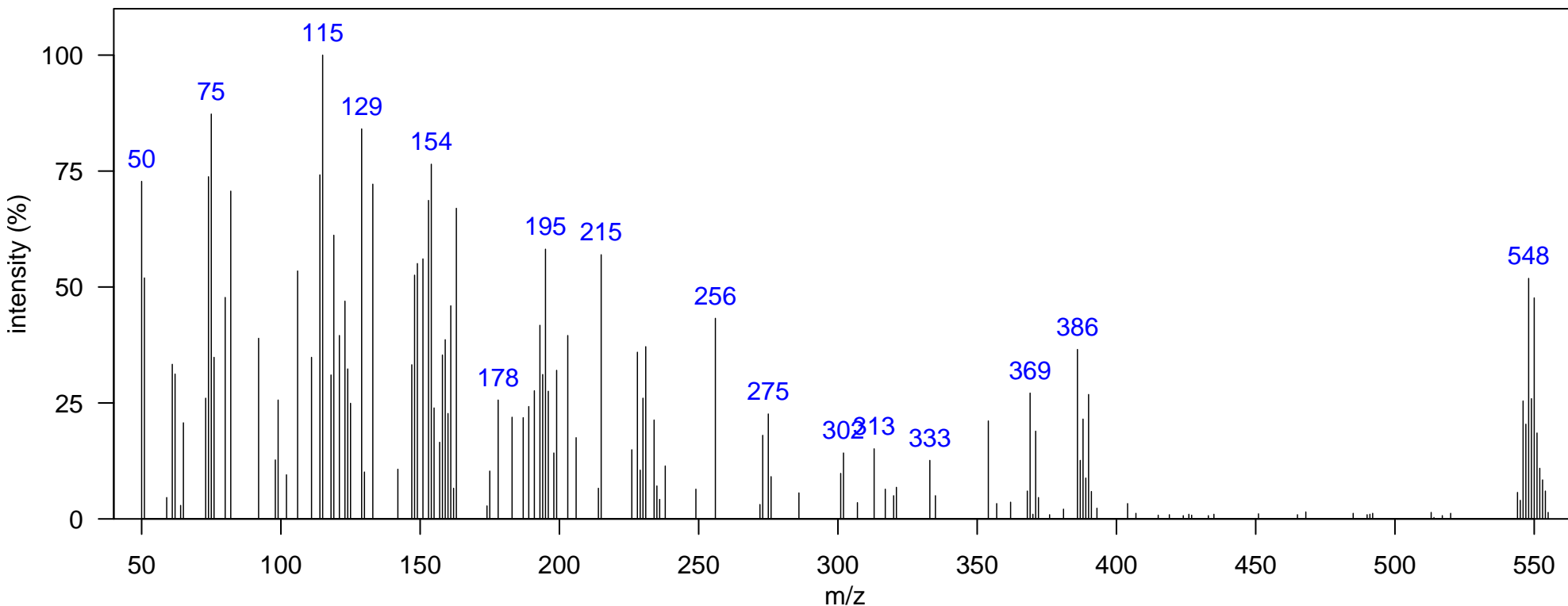
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated biphenyl 5Br

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
386 [M-Br ₂] ⁺
465 [M-Br] ⁺
544 M ⁺

Name: BB 5Br 4

Class: PBB

Sample: SoCal dolphin blubber D4, JEH0504

1D RT, 2D RT (s): 1768.33, 1.571

Elemental Formula: C₁₂H₅Br₅

Ecotype: offshore

Quantitative Ion m/z: 548

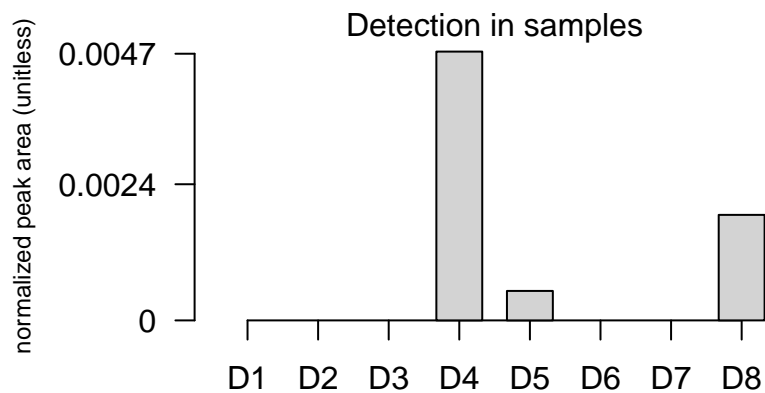
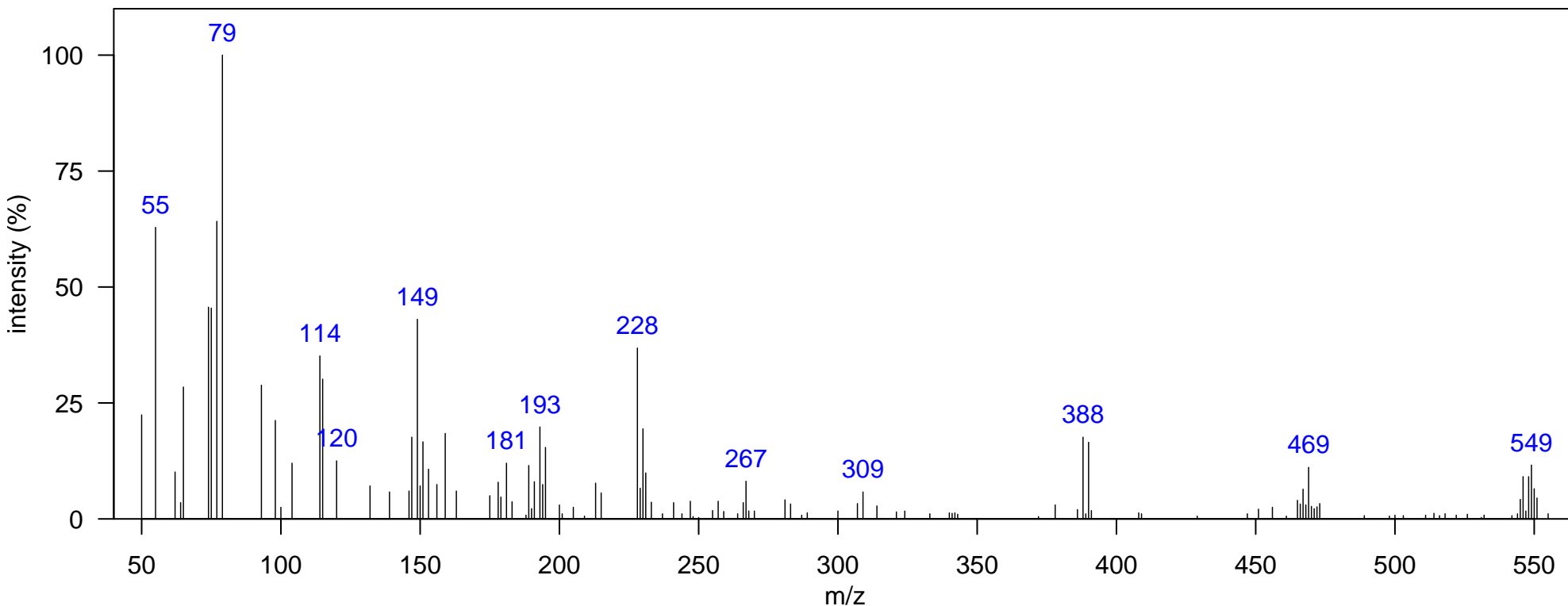
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated biphenyl 5Br

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
386 [M-Br ₂] ⁺
465 [M-Br] ⁺
544 M ⁺

Name: BB-153

Class: PBB

Sample: SoCal dolphin blubber D1, KZP0086

1D RT, 2D RT (s): 1771.83, 2.251

Elemental Formula: C₁₂H₄Br₆

Ecotype: coastal

Quantitative Ion m/z: 628

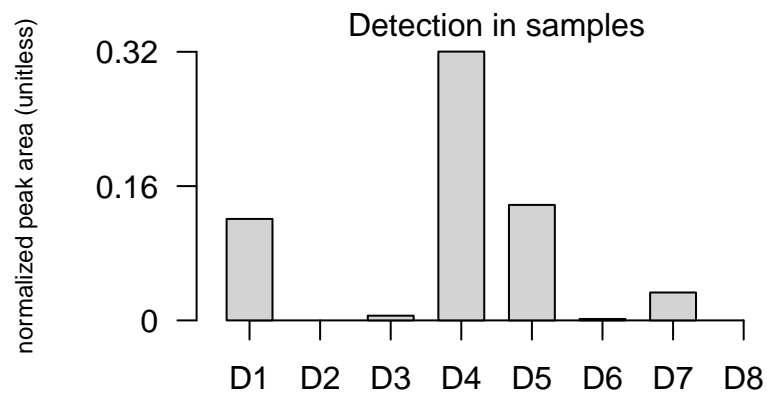
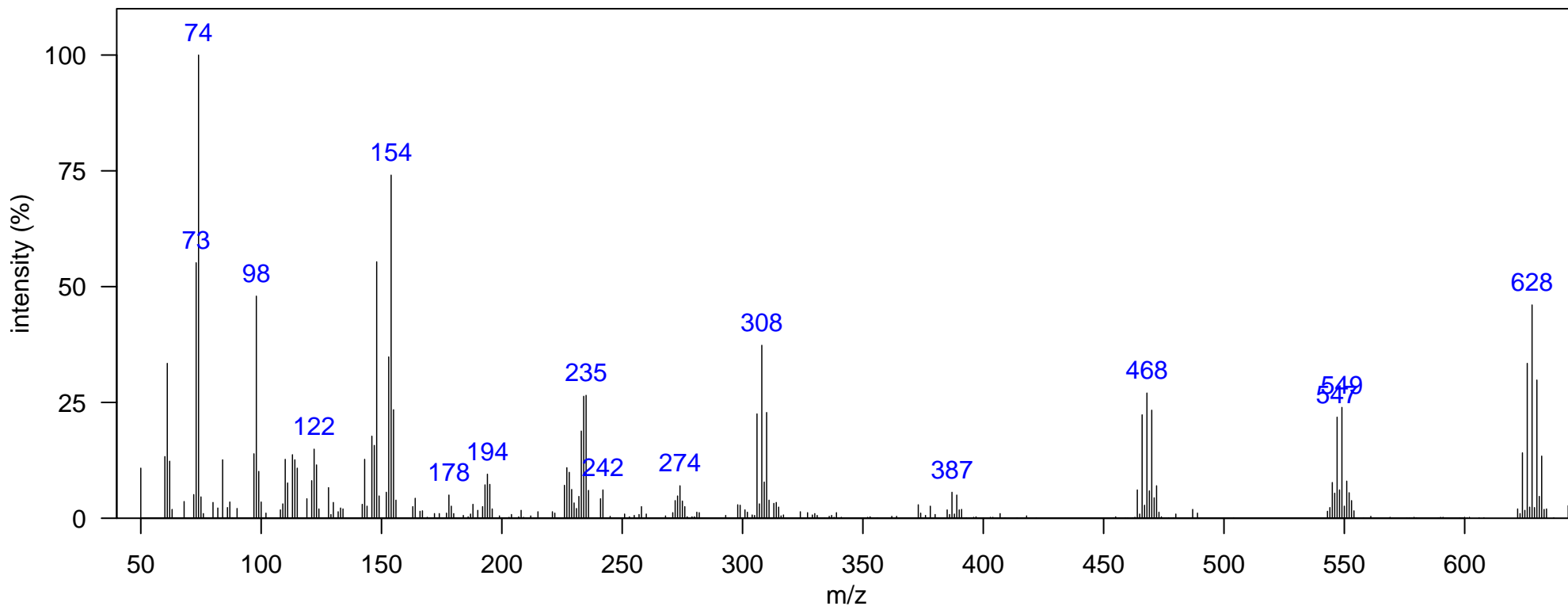
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated biphenyl 6Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
464 [M-Br ₂] ⁺
543 [M-Br] ⁺
622 M ⁺

Name: BB 6Br 1

Class: PBB

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1733.35, 2.211

Elemental Formula: C₁₂H₄Br₆

Ecotype: coastal

Quantitative Ion m/z: 628

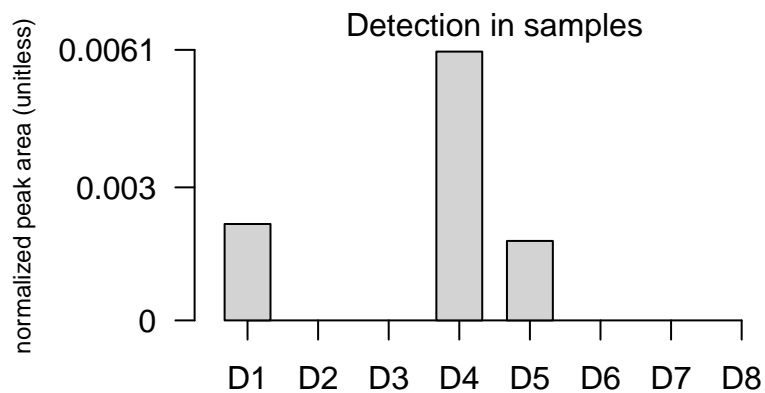
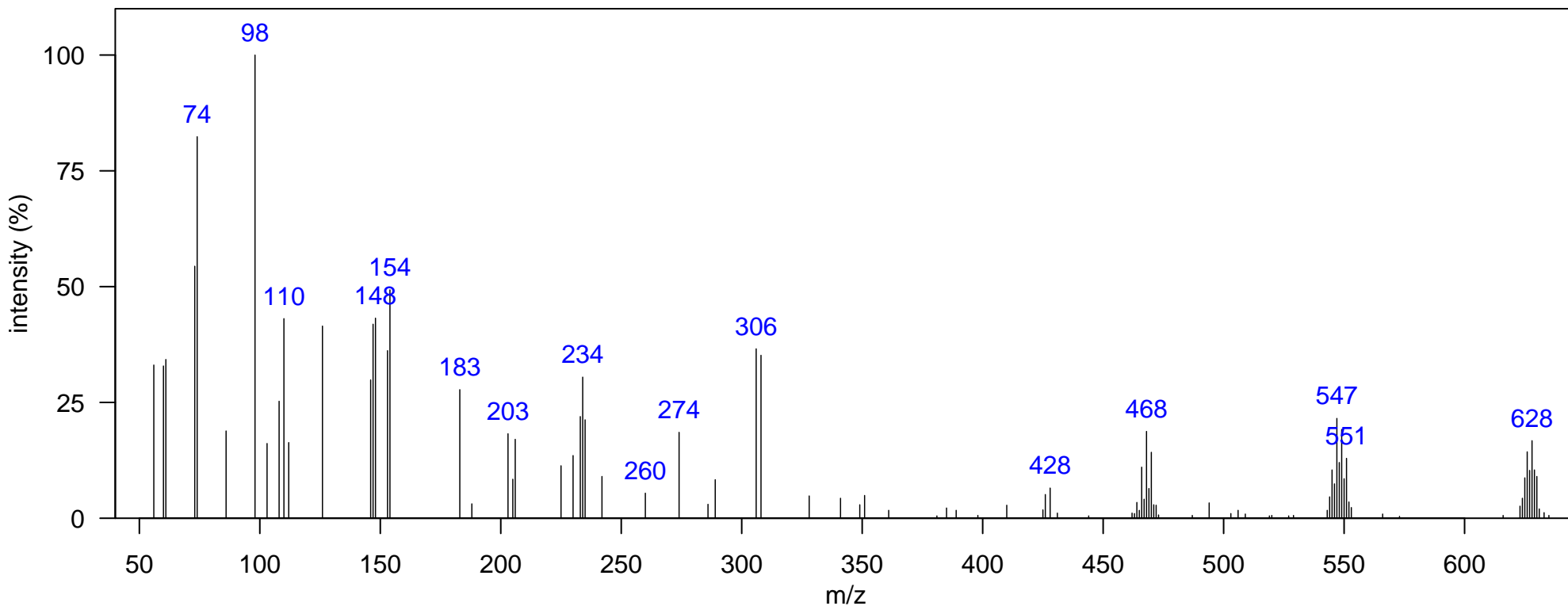
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated biphenyl 6Br

Identification: Authentic MS

Comment:



m/z [Fragment]
464 [M-Br ₂] ⁺
543 [M-Br] ⁺
622 M ⁺

Name: BB 6Br 2

Class: PBB

Sample: SoCal dolphin blubber D4, JEH0504

1D RT, 2D RT (s): 1817.3, 2.6

Elemental Formula: C₁₂H₄Br₆

Ecotype: offshore

Quantitative Ion m/z: 628

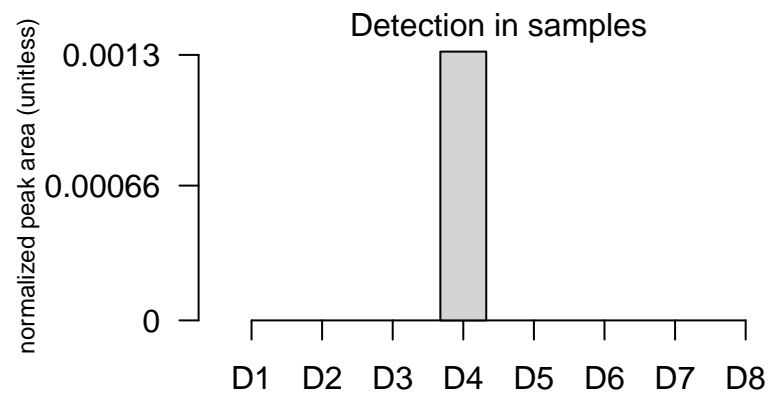
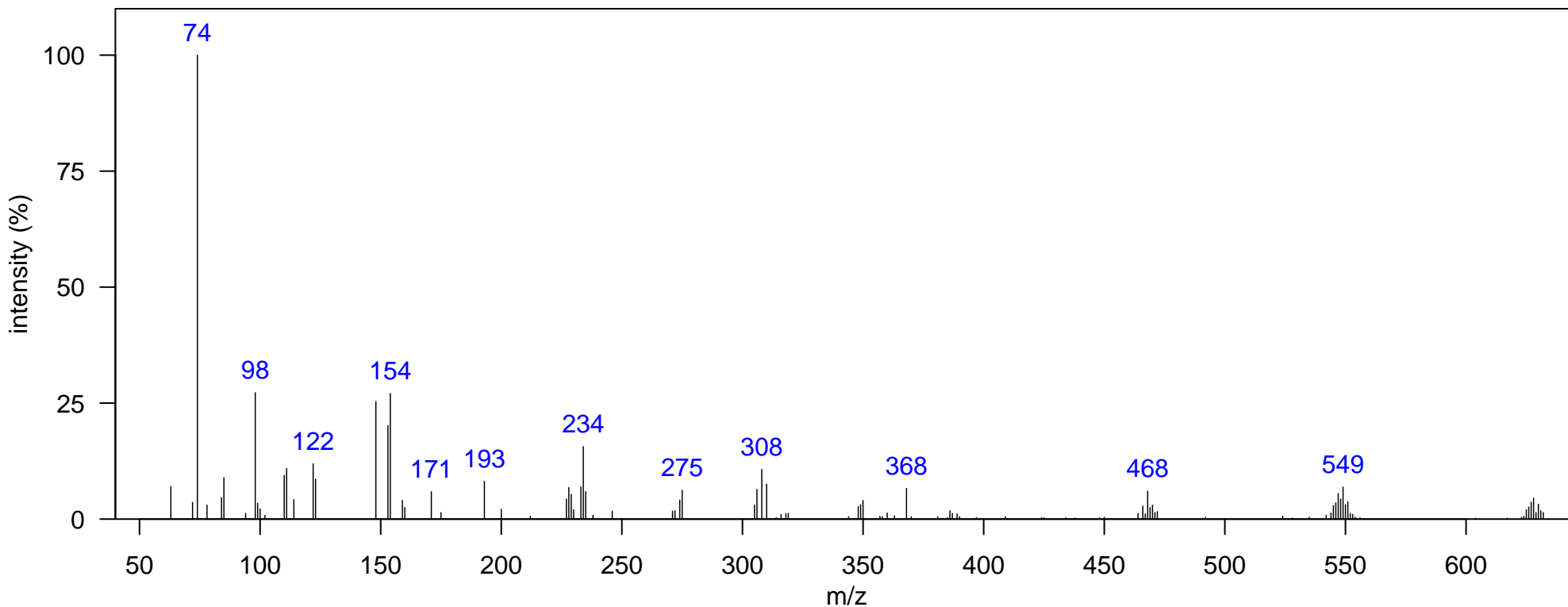
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polybrominated biphenyl 6Br

Identification: Authentic MS

Comment:



m/z [Fragment]
464 [M-Br ₂] ⁺
543 [M-Br] ⁺
622 M ⁺

Name: terphenyl 4Cl 1

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1495.49, 1.478

Elemental Formula: C₁₈H₁₀Cl₄

Ecotype: offshore

Quantitative Ion m/z: 368

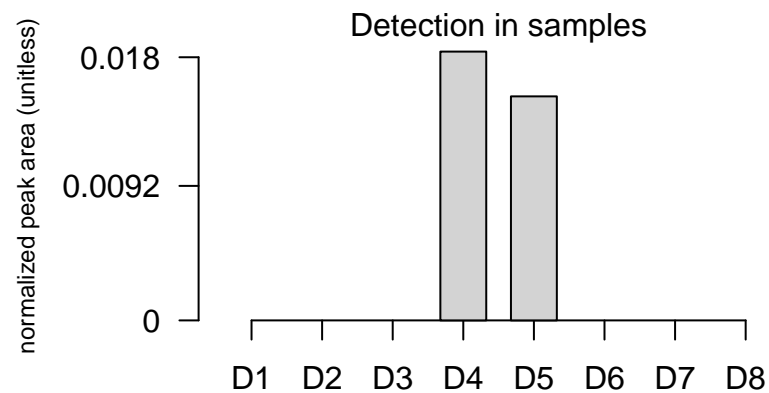
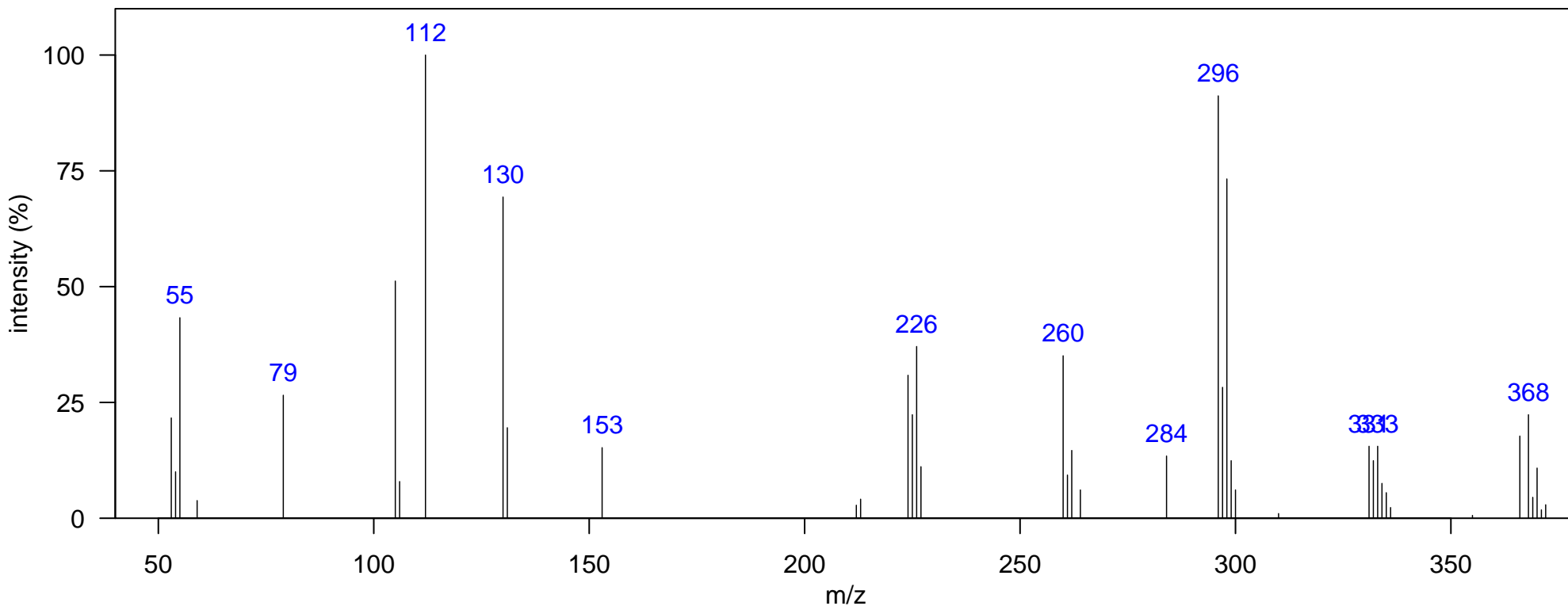
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Literature MS

Comment:



m/z [Fragment]
296 [M-Cl ₂] ⁺
331 [M-Cl] ⁺
366 M ⁺

Name: terphenyl 4Cl 2

Class: PCT

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1533.97, 1.538

Elemental Formula: C₁₈H₁₀Cl₄

Ecotype: coastal

Quantitative Ion m/z: 368

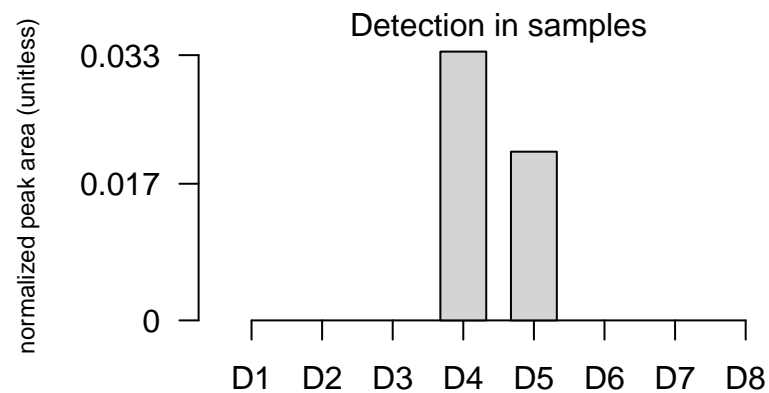
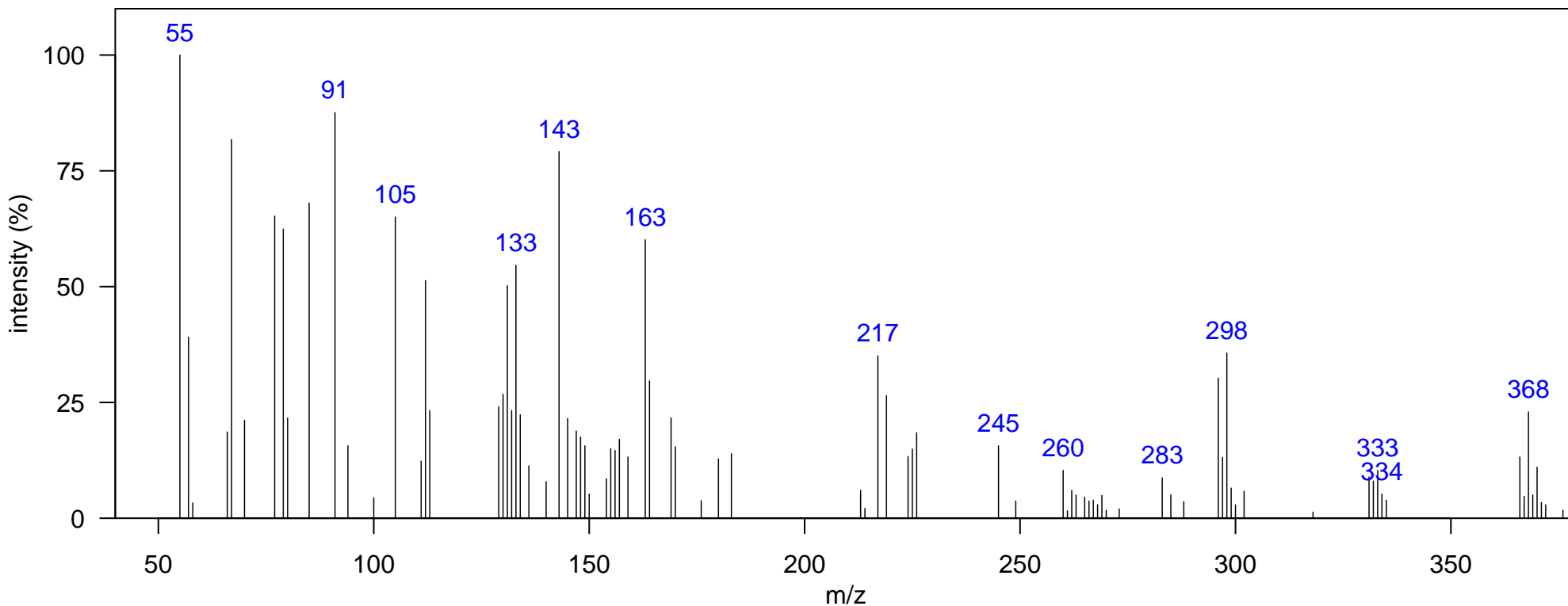
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Literature MS

Comment:



m/z [Fragment]
296 [M-Cl ₂] ⁺
331 [M-Cl] ⁺
366 M ⁺

Name: terphenyl 4Cl 3

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1540.96, 1.591

Elemental Formula: C₁₈H₁₀Cl₄

Ecotype: offshore

Quantitative Ion m/z: 368

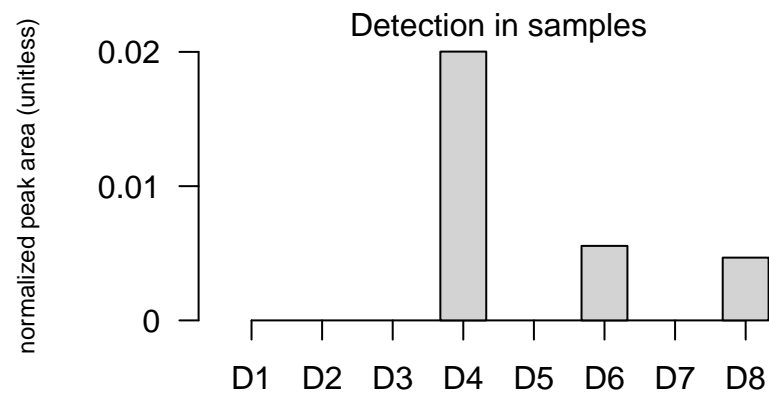
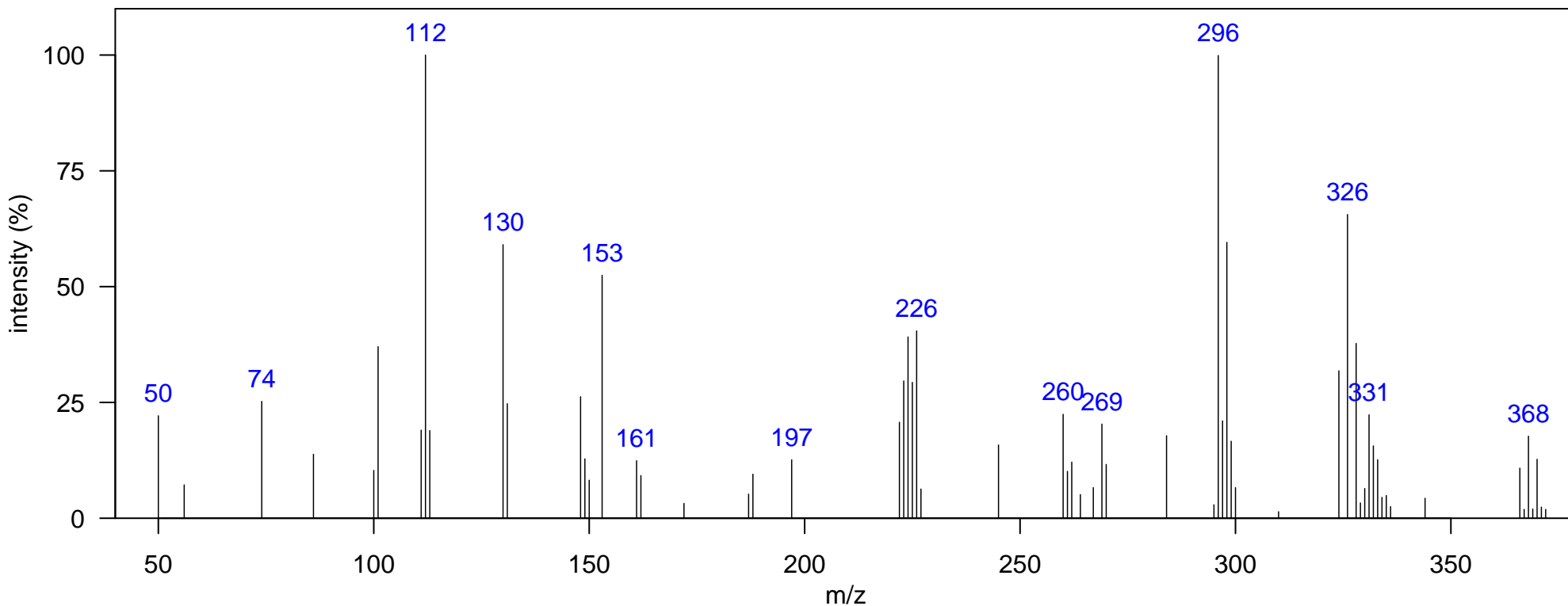
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Literature MS

Comment:



m/z [Fragment]
296 [M-Cl ₂] ⁺
331 [M-Cl] ⁺
366 M ⁺

Name: terphenyl 4Cl 4

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1568.95, 1.637

Elemental Formula: C₁₈H₁₀Cl₄

Ecotype: offshore

Quantitative Ion m/z: 368

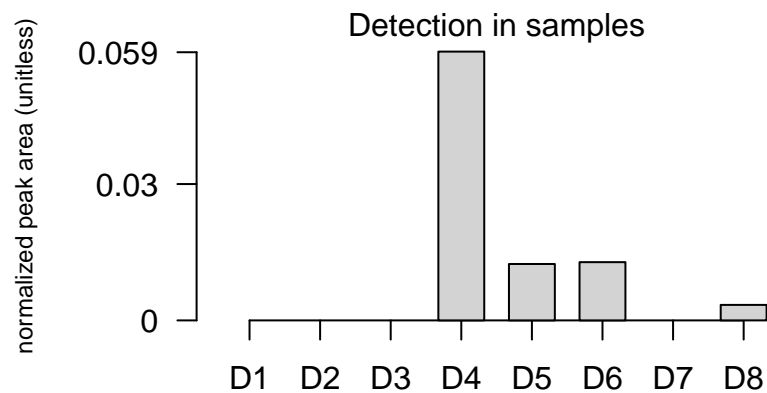
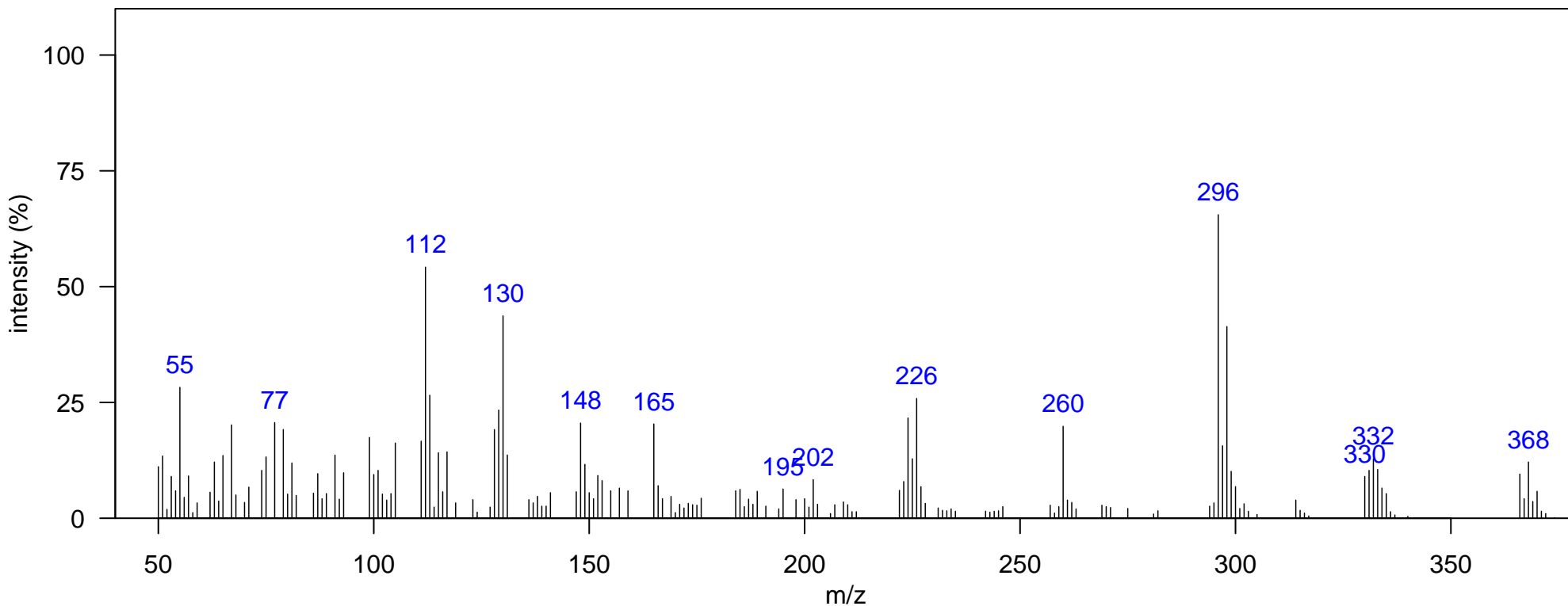
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Literature MS

Comment:



m/z [Fragment]
296 [M-Cl ₂] ⁺
331 [M-Cl] ⁺
366 M ⁺

Name: terphenyl 4Cl 5

Class: PCT

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1610.92, 1.775

Elemental Formula: C₁₈H₁₀Cl₄

Ecotype: offshore

Quantitative Ion m/z: 368

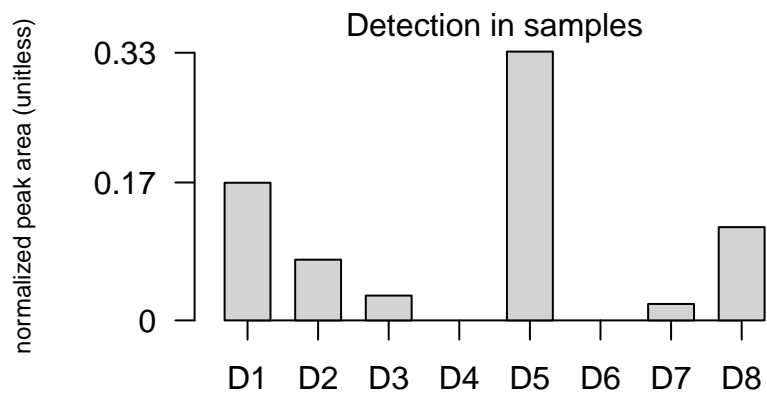
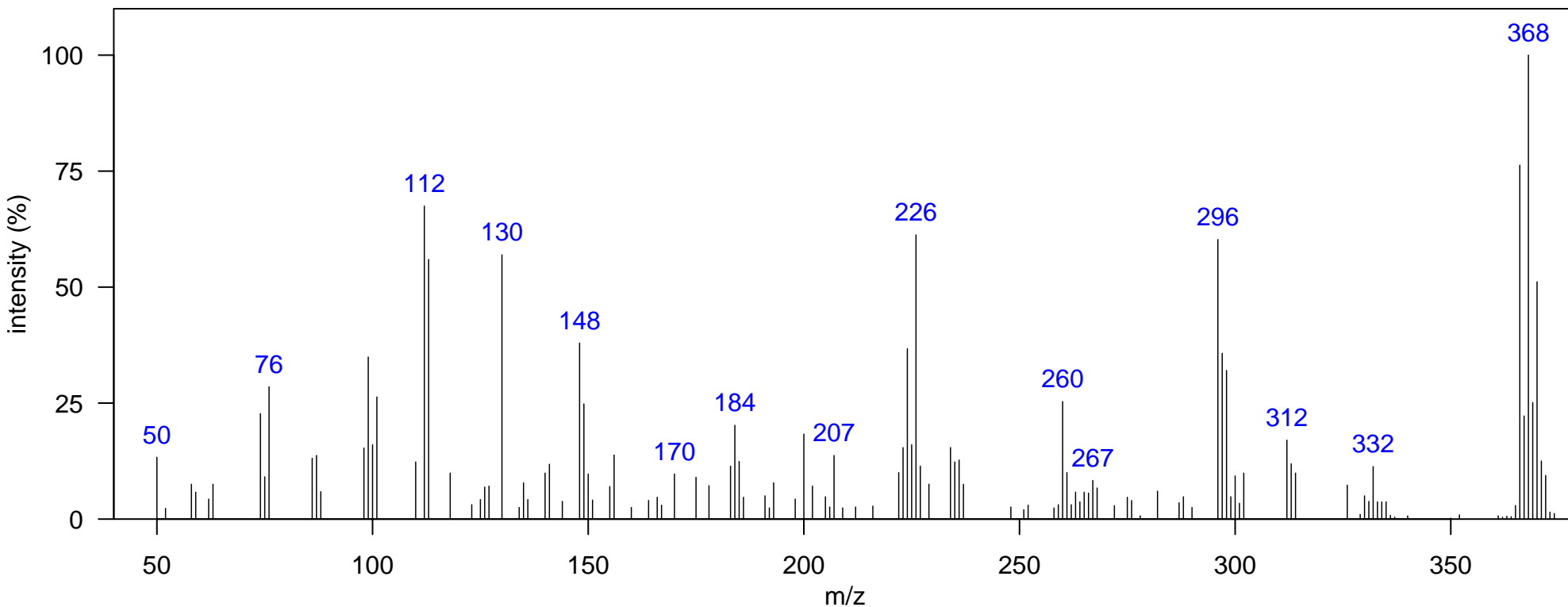
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Literature MS

Comment:



m/z [Fragment]
296 [M-Cl ₂] ⁺
366 M ⁺

Name: terphenyl 4Cl 6

Class: PCT

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1621.42, 1.881

Elemental Formula: C₁₈H₁₀Cl₄

Ecotype: coastal

Quantitative Ion m/z: 368

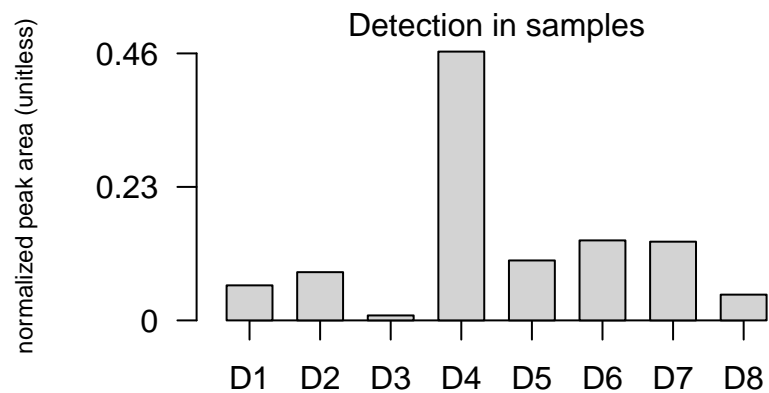
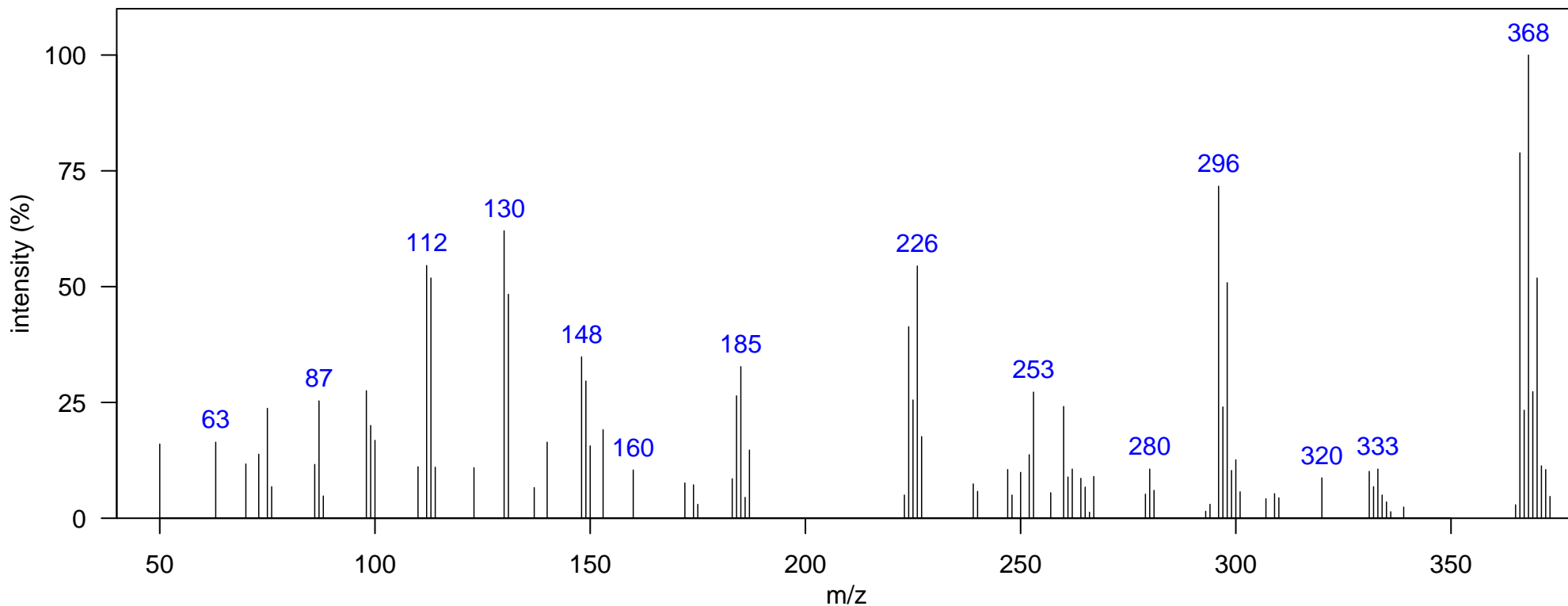
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Literature MS

Comment:



m/z [Fragment]
296 [M-Cl ₂] ⁺
331 [M-Cl] ⁺
366 M ⁺

Name: terphenyl 4Cl 7

Class: PCT

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1652.9, 2.053

Elemental Formula: C₁₈H₁₀Cl₄

Ecotype: offshore

Quantitative Ion m/z: 368

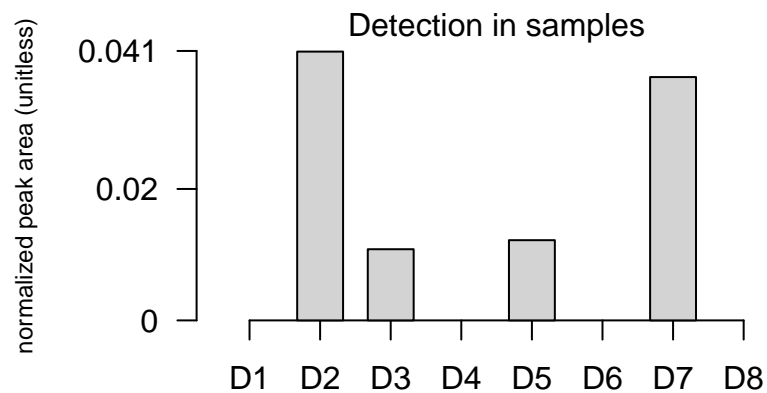
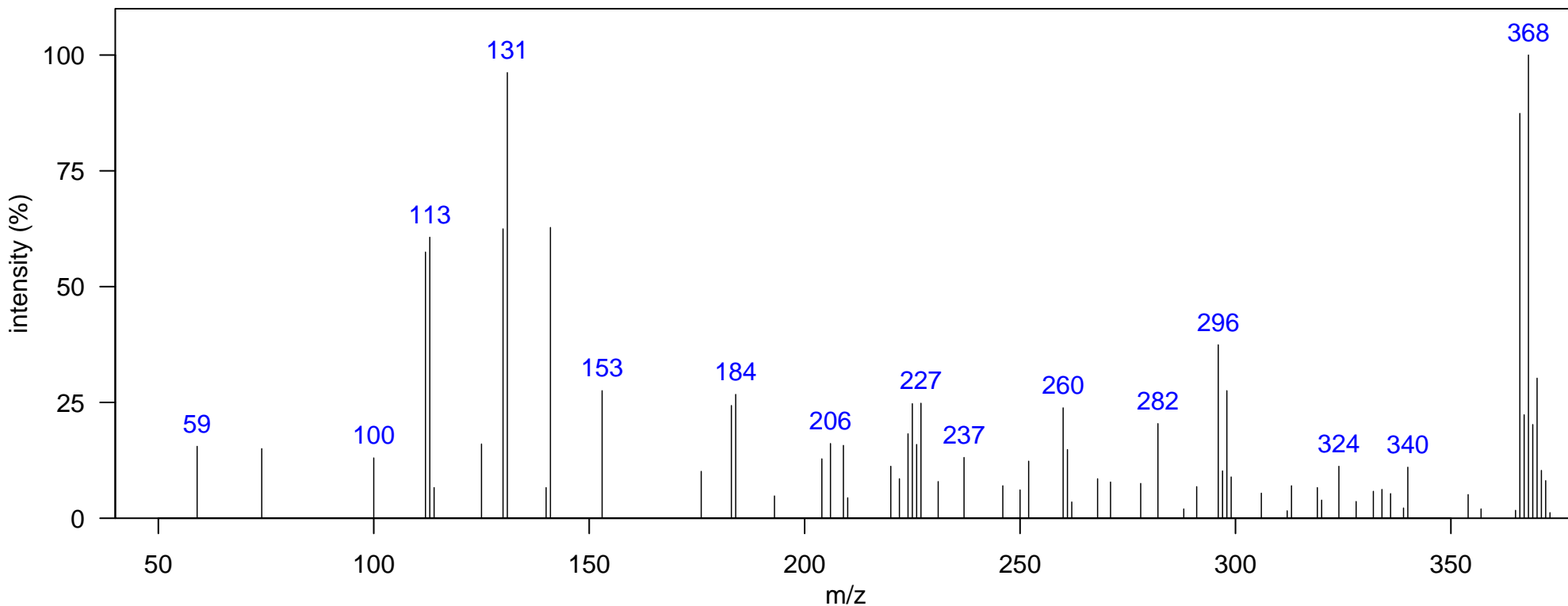
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Literature MS

Comment:



m/z [Fragment]
296 [M-Cl ₂] ⁺
366 M ⁺

Name: terphenyl 4Cl 8

Class: PCT

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1670.39, 1.993

Elemental Formula: C₁₈H₁₀Cl₄

Ecotype: coastal

Quantitative Ion m/z: 368

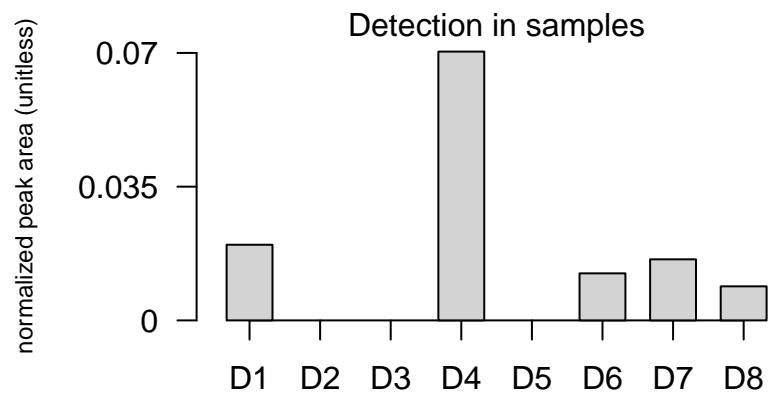
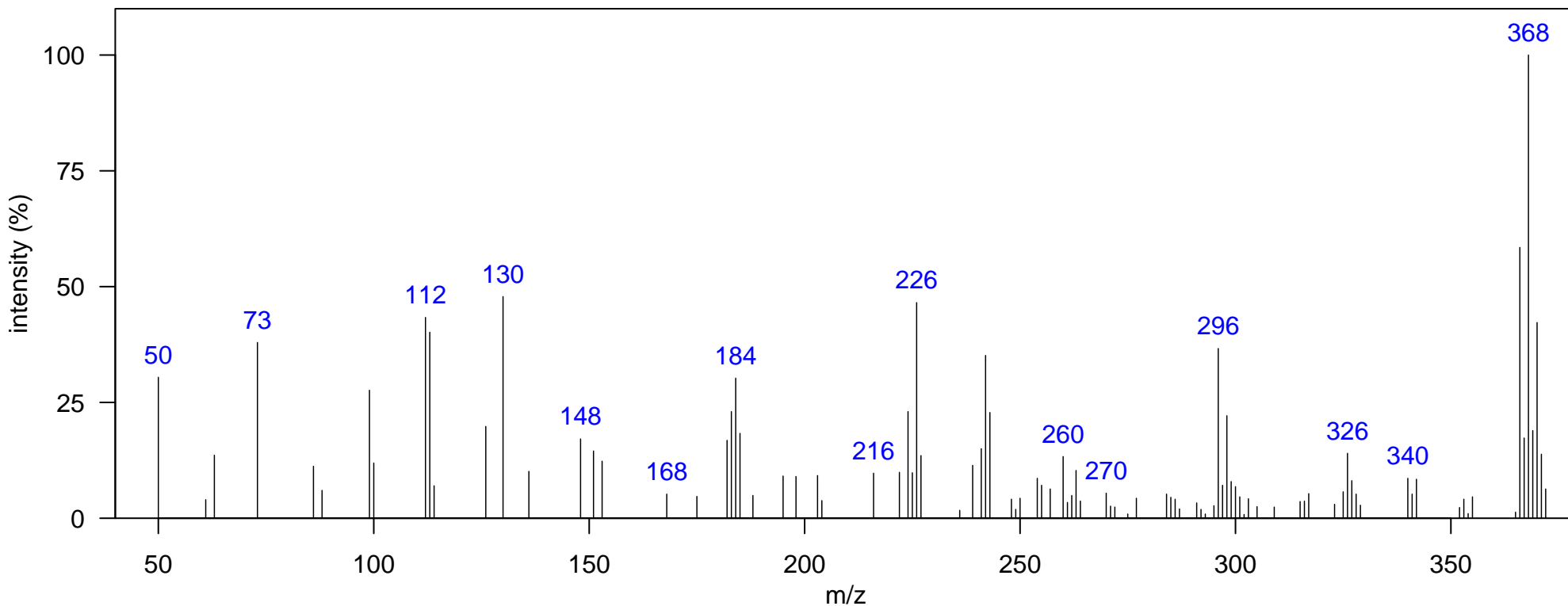
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Literature MS

Comment:



m/z [Fragment]
296 [M-Cl ₂] ⁺
366 M ⁺

Name: terphenyl 4Cl 9

Class: PCT

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1691.38, 2.059

Elemental Formula: C₁₈H₁₀Cl₄

Ecotype: coastal

Quantitative Ion m/z: 368

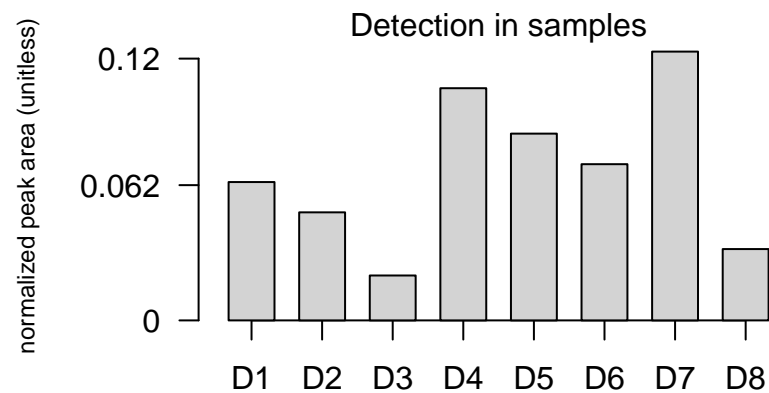
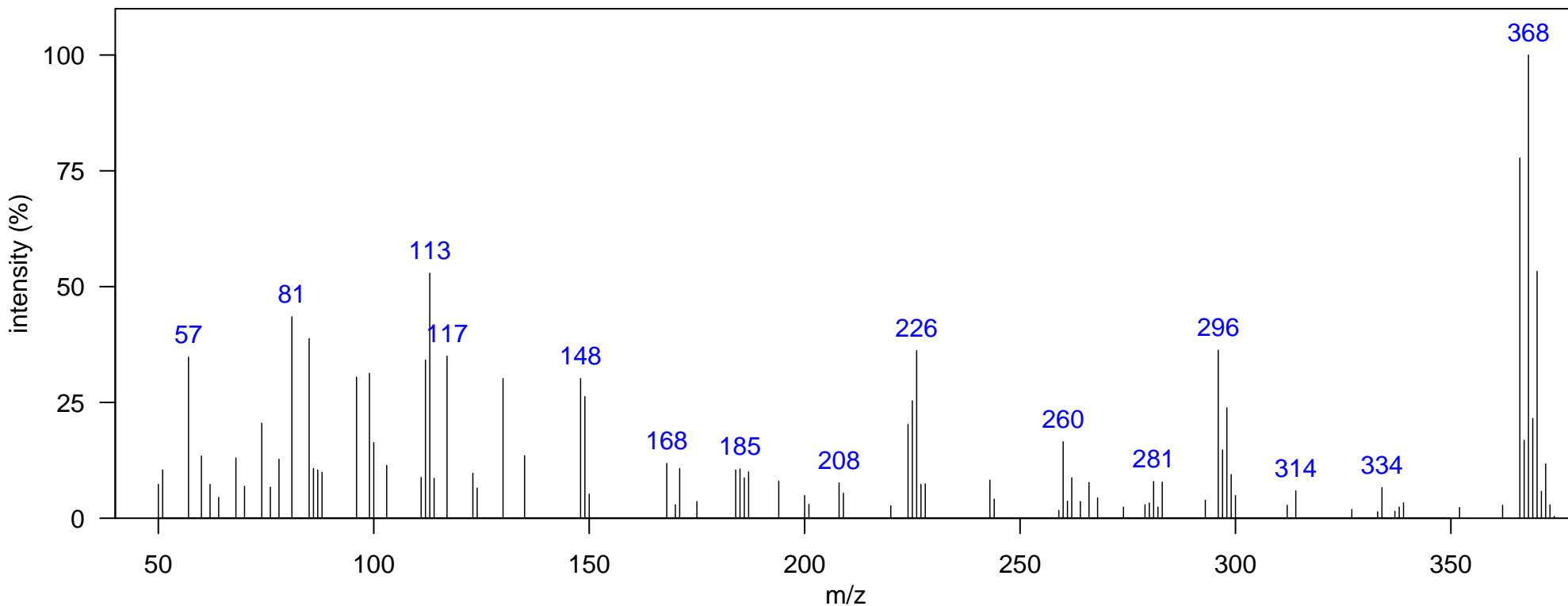
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Literature MS

Comment:



m/z [Fragment]
296 [M-Cl ₂] ⁺
366 M ⁺

Name: terphenyl 5Cl 1

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1687.88, 2.099

Elemental Formula: C₁₈H₉Cl₅

Ecotype: offshore

Quantitative Ion m/z: 402

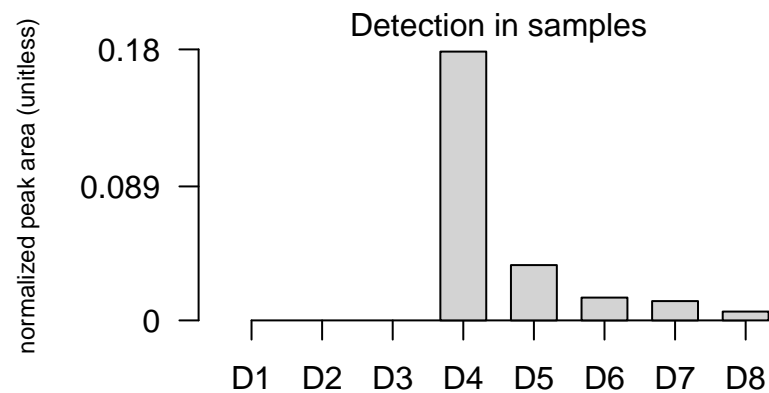
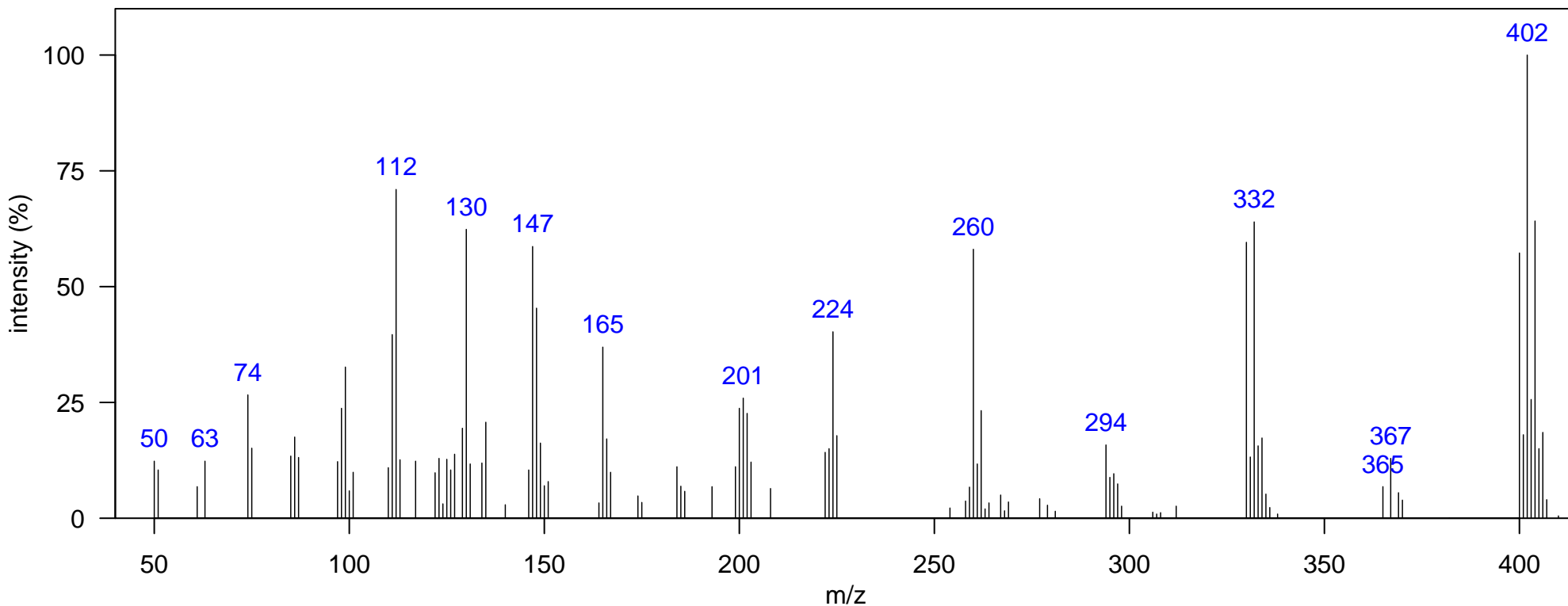
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
330 [M-Cl ₂] ⁺
400 M ⁺

Name: terphenyl 5Cl 2

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1628.41, 1.907

Elemental Formula: C₁₈H₉Cl₅

Ecotype: offshore

Quantitative Ion m/z: 402

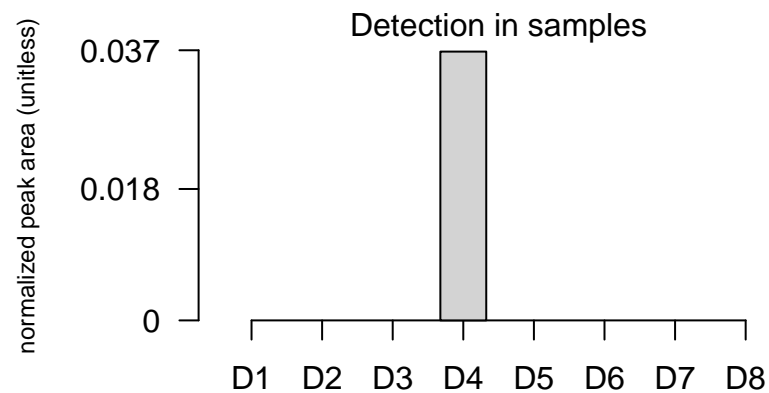
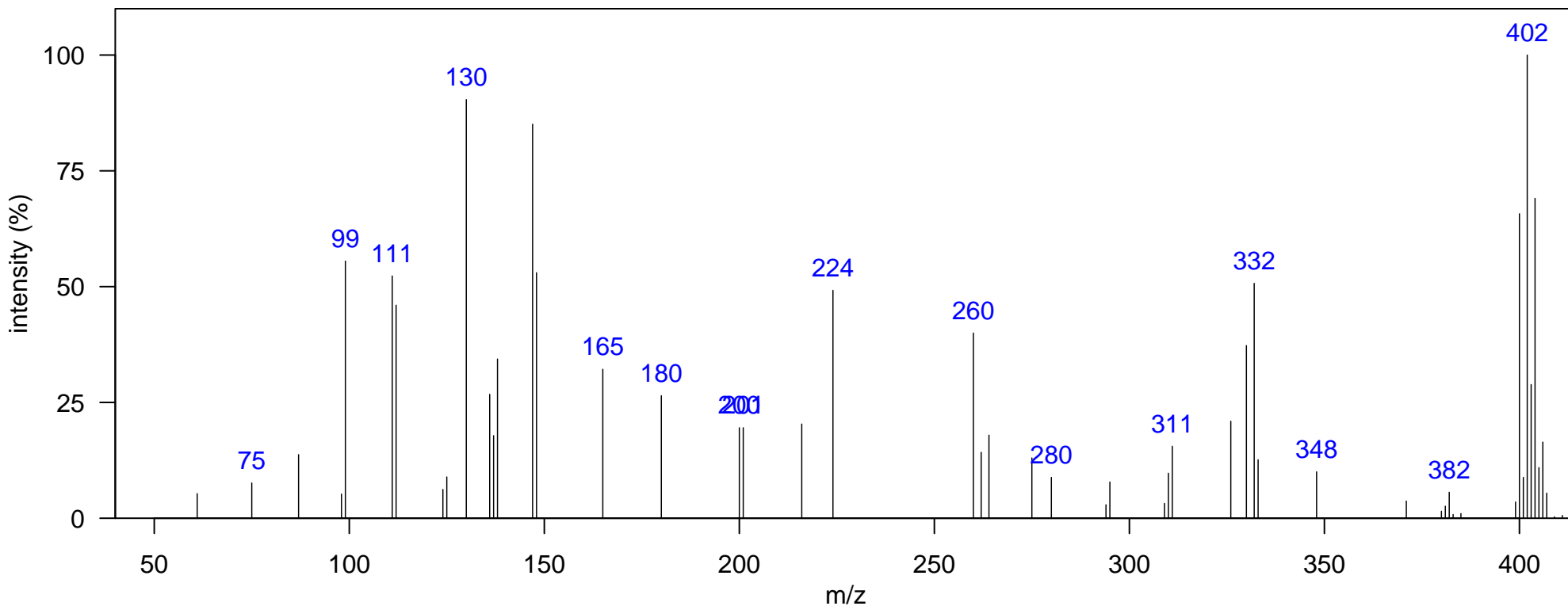
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
330 [M-Cl ₂] ⁺
400 M ⁺

Name: terphenyl 5Cl 3

Class: PCT

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1701.87, 2.006

Elemental Formula: C₁₈H₉Cl₅

Ecotype: coastal

Quantitative Ion m/z: 402

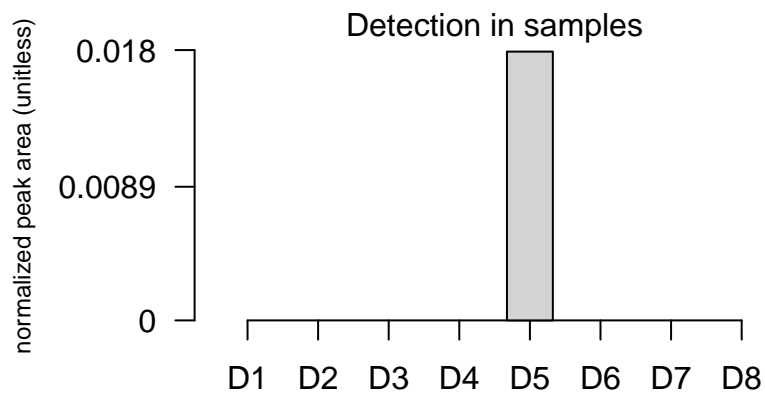
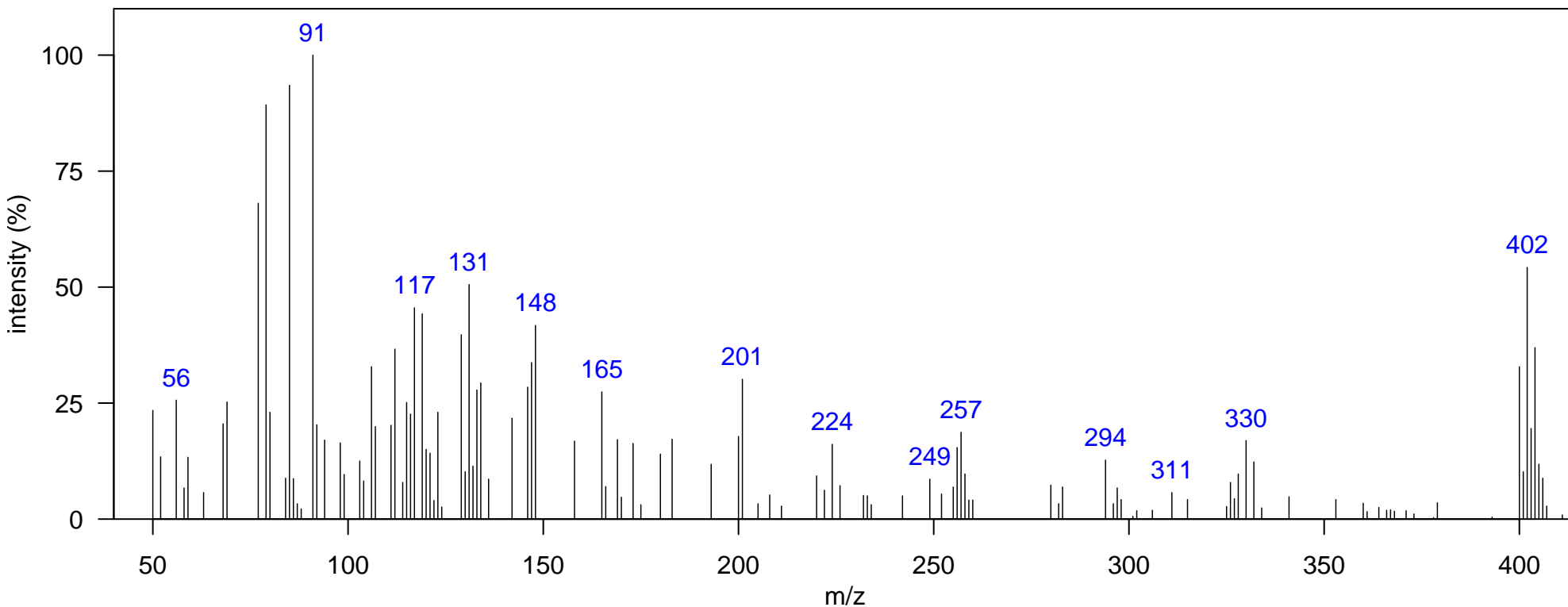
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
330 [M-Cl ₂] ⁺
400 M ⁺

Name: terphenyl 5Cl 4

Class: PCT

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1715.86, 1.94

Elemental Formula: C₁₈H₉Cl₅

Ecotype: coastal

Quantitative Ion m/z: 402

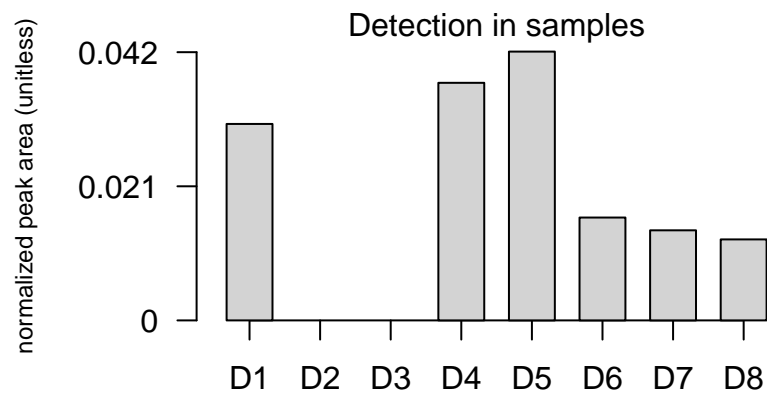
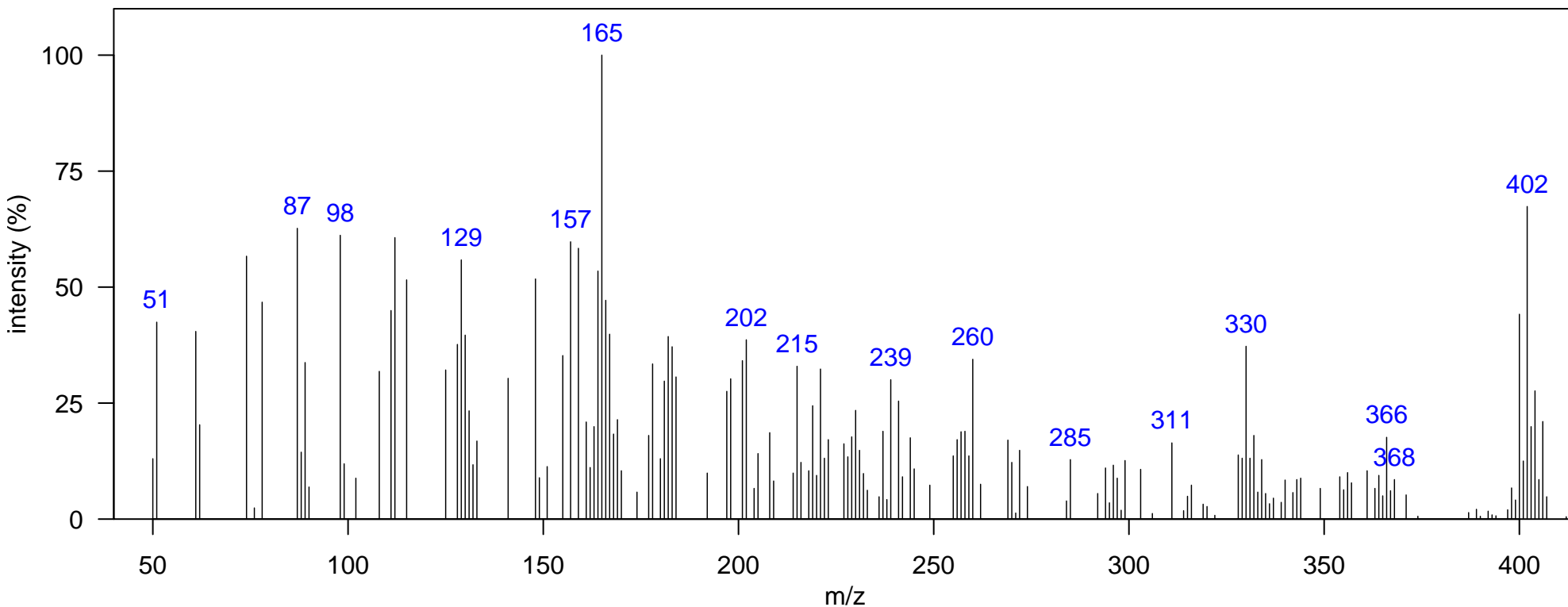
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
330 [M-Cl ₂] ⁺
400 M ⁺

Name: terphenyl 5Cl 5

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1726.36, 1.934

Elemental Formula: C₁₈H₉Cl₅

Ecotype: offshore

Quantitative Ion m/z: 402

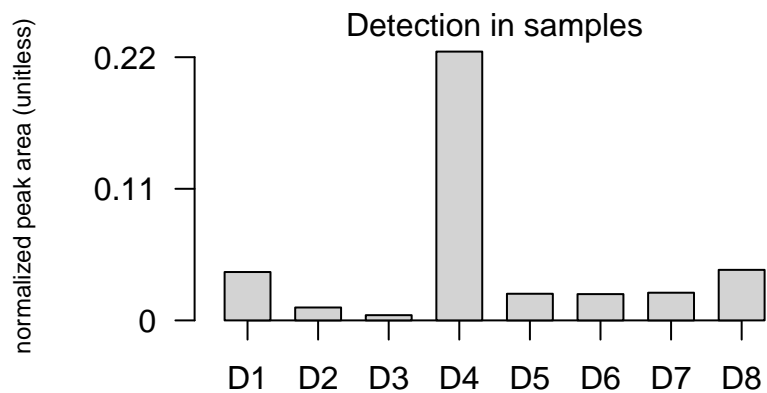
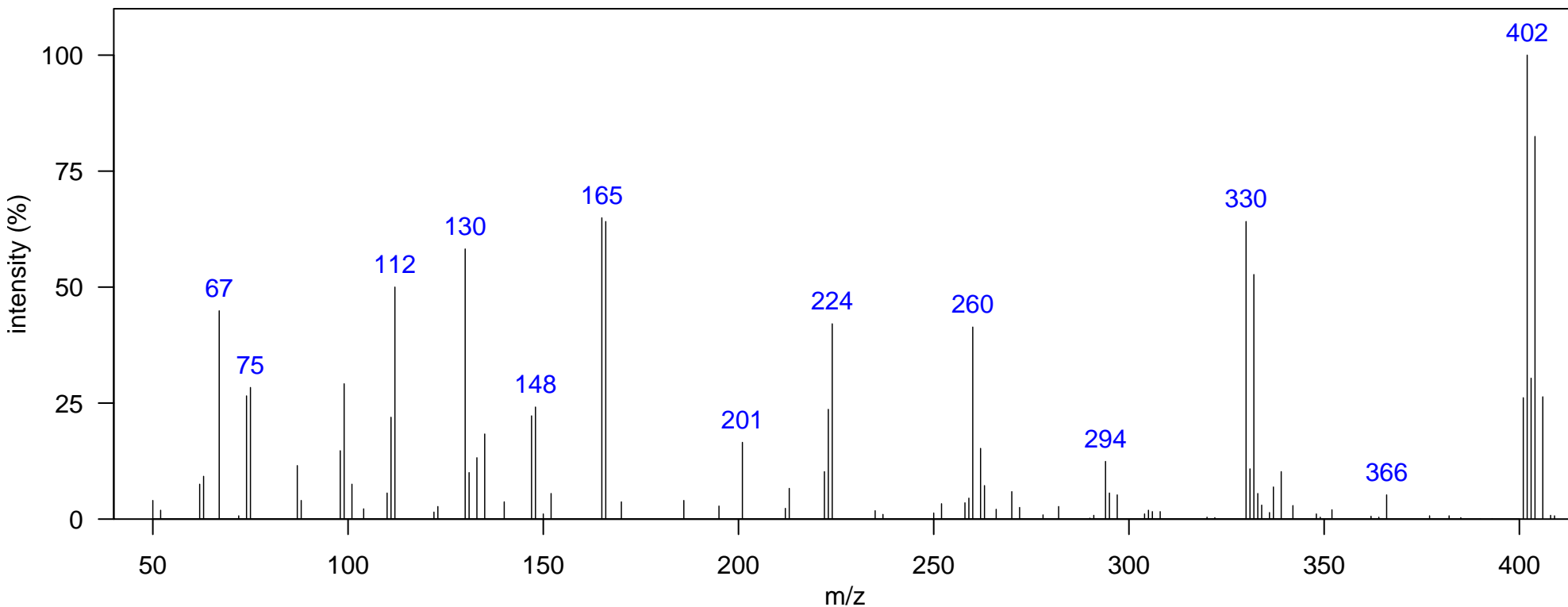
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
330 [M-Cl ₂] ⁺
400 M ⁺

Name: terphenyl 5Cl 6

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1754.34, 1.934

Elemental Formula: C₁₈H₉Cl₅

Ecotype: offshore

Quantitative Ion m/z: 402

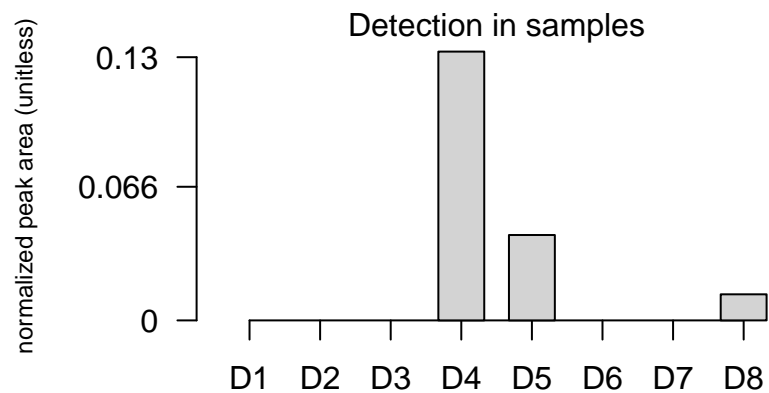
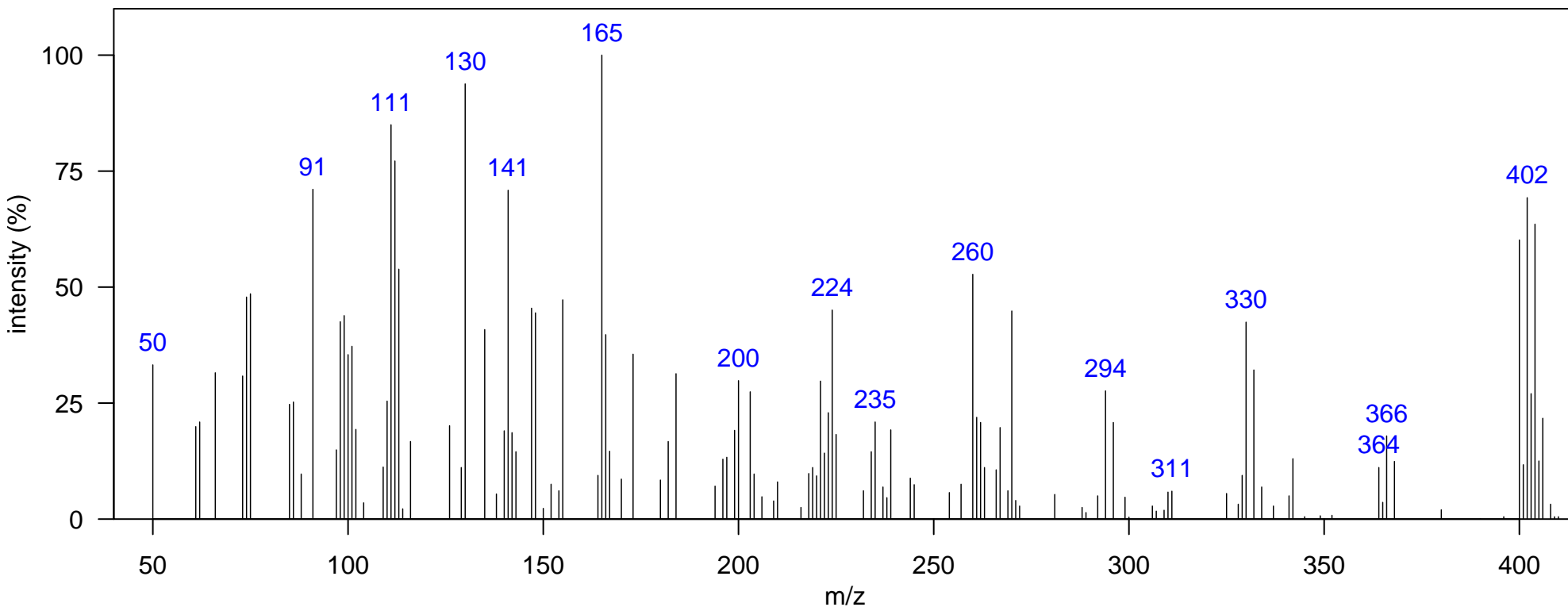
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
330 [M-Cl ₂] ⁺
400 M ⁺

Name: terphenyl 6Cl 1

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1698.37, 2.013

Elemental Formula: C₁₈H₈Cl₆

Ecotype: offshore

Quantitative Ion m/z: 438

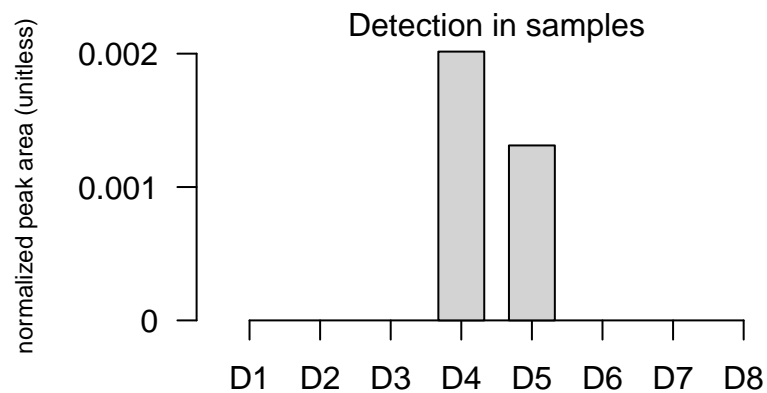
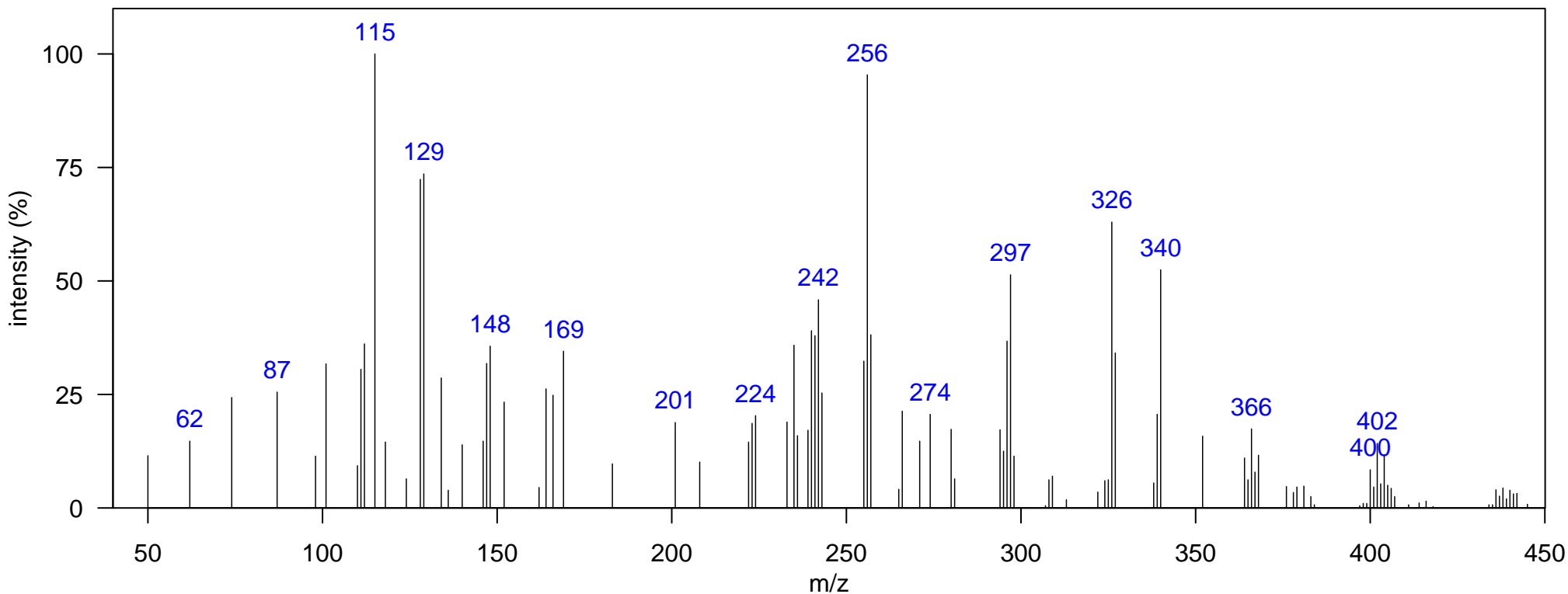
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

Name: terphenyl 6Cl 2

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1719.36, 1.841

Elemental Formula: C₁₈H₈Cl₆

Ecotype: offshore

Quantitative Ion m/z: 438

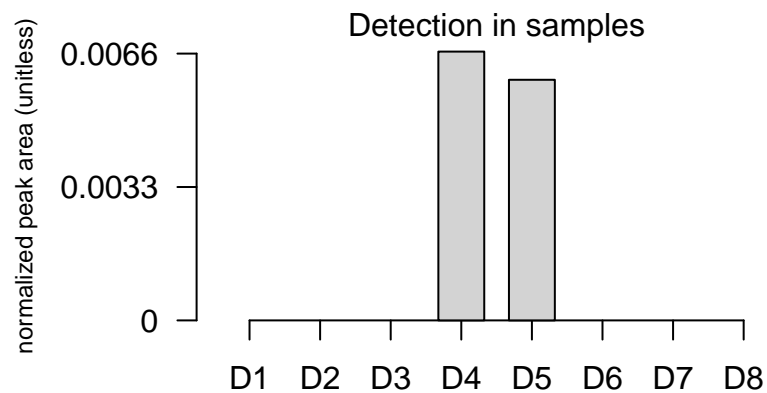
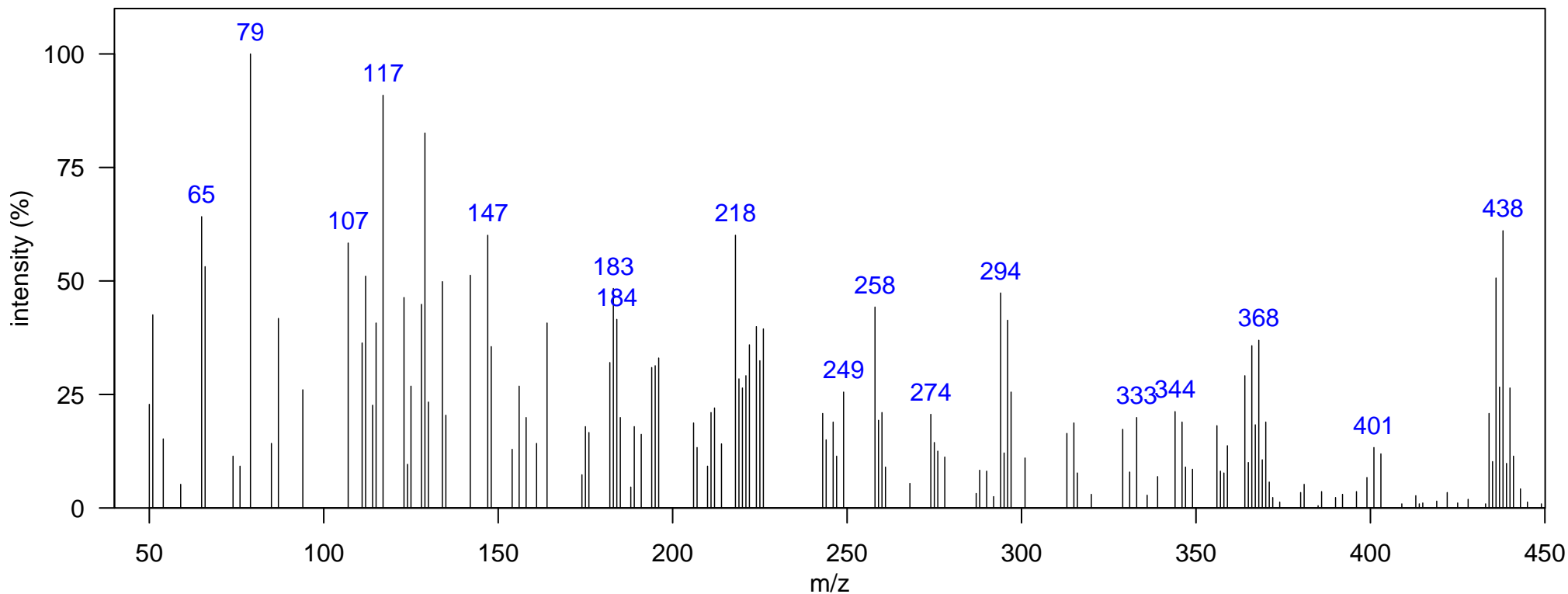
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

Name: terphenyl 6Cl 3

Class: PCT

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1736.85, 1.868

Elemental Formula: C₁₈H₈Cl₆

Ecotype: coastal

Quantitative Ion m/z: 438

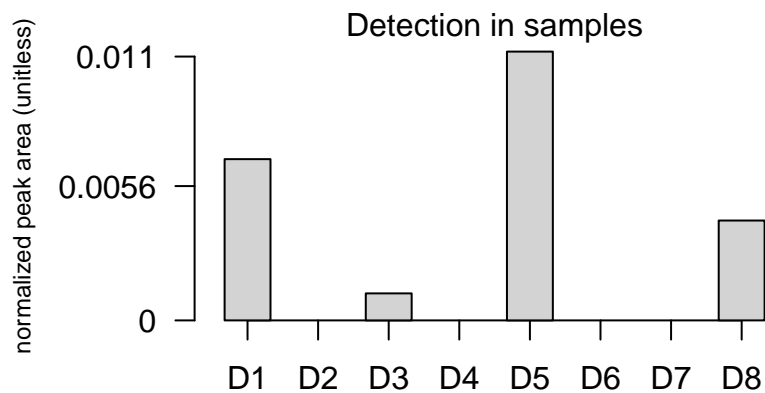
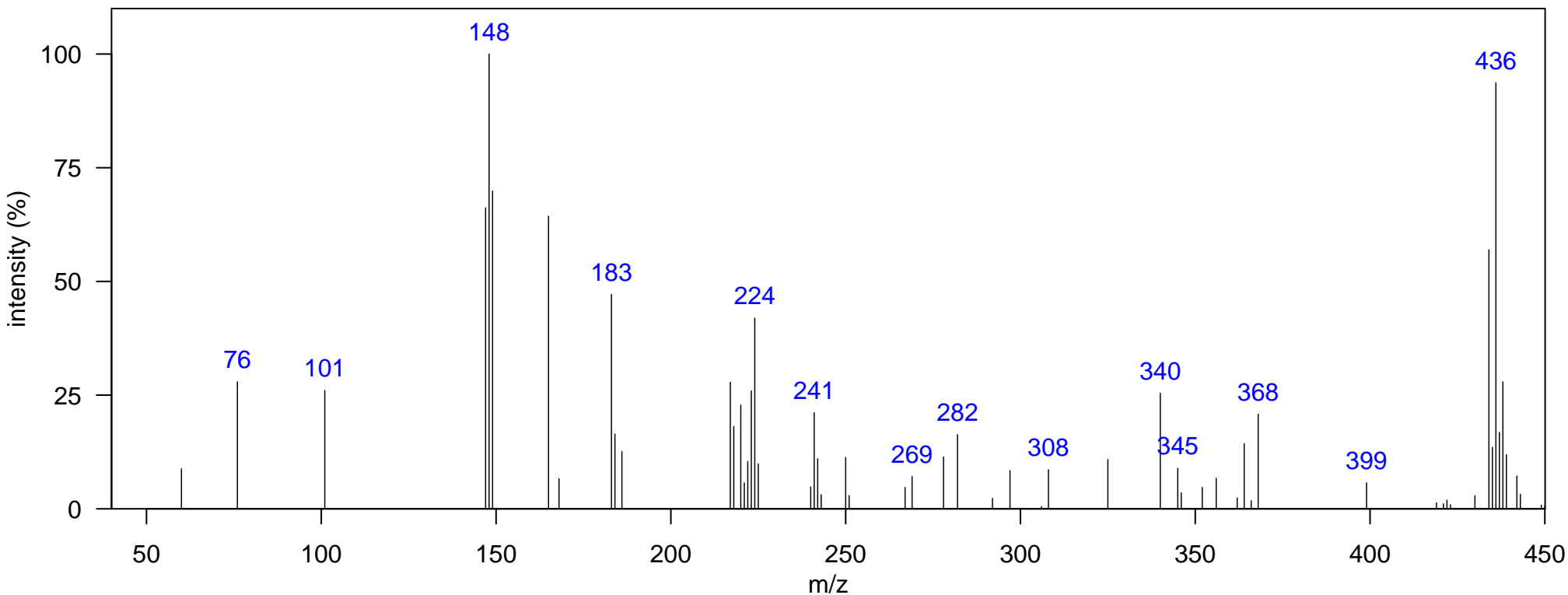
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
434 M+

Name: terphenyl 6Cl 4

Class: PCT

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1747.34, 1.881

Elemental Formula: C₁₈H₈Cl₆

Ecotype: coastal

Quantitative Ion m/z: 438

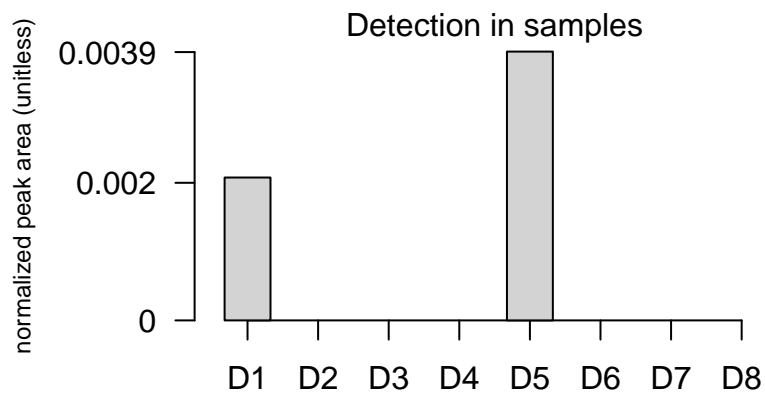
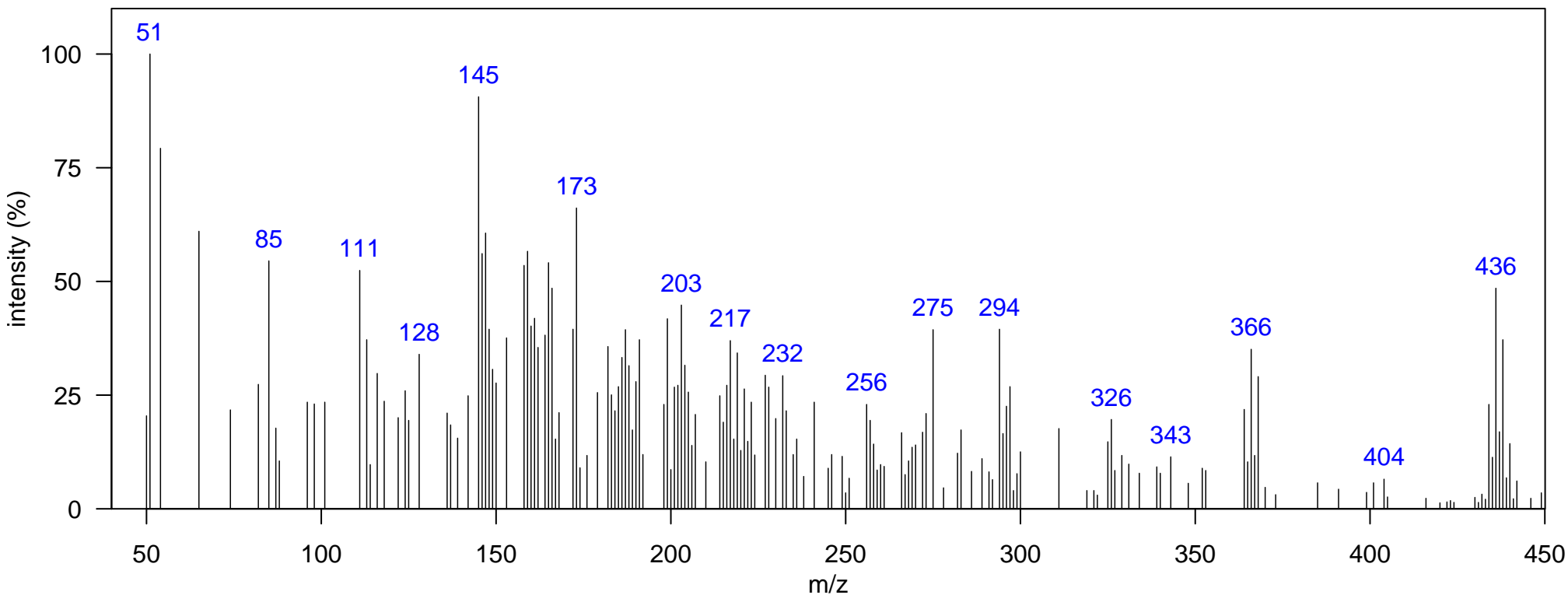
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

Name: terphenyl 6Cl 5

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1768.33, 1.967

Elemental Formula: C₁₈H₈Cl₆

Ecotype: offshore

Quantitative Ion m/z: 438

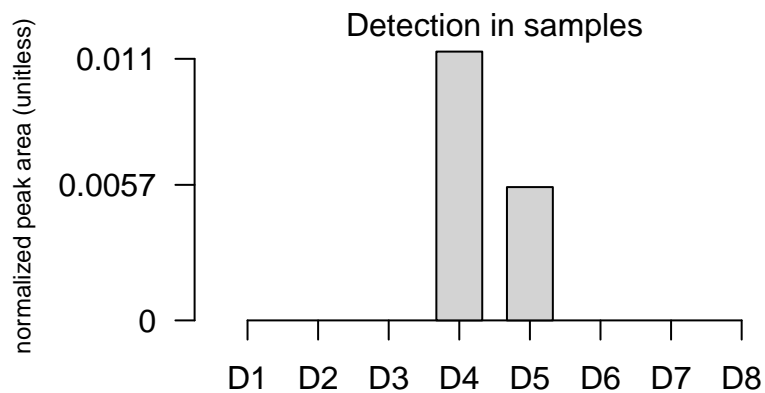
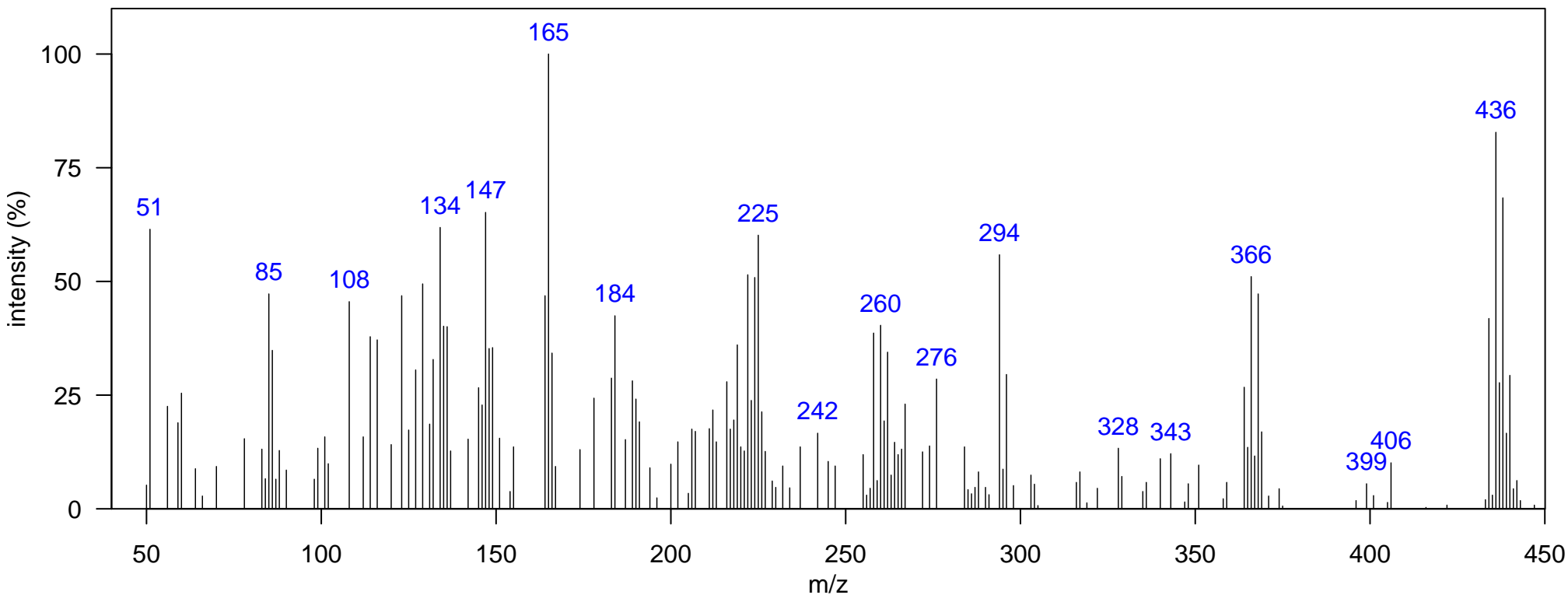
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

Name: terphenyl 6Cl 6

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1782.32, 2.086

Elemental Formula: C₁₈H₈Cl₆

Ecotype: offshore

Quantitative Ion m/z: 438

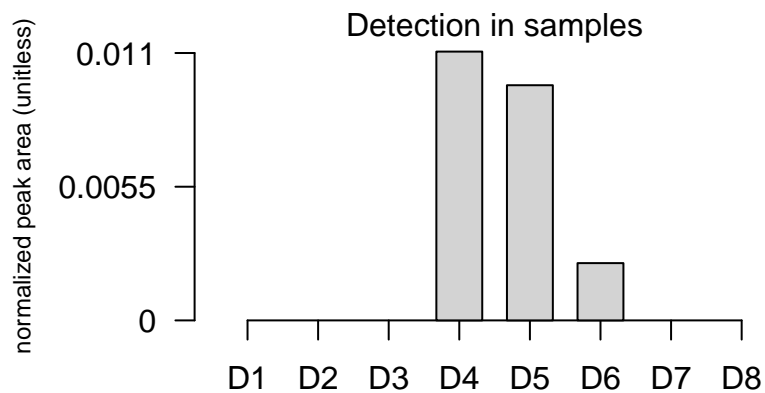
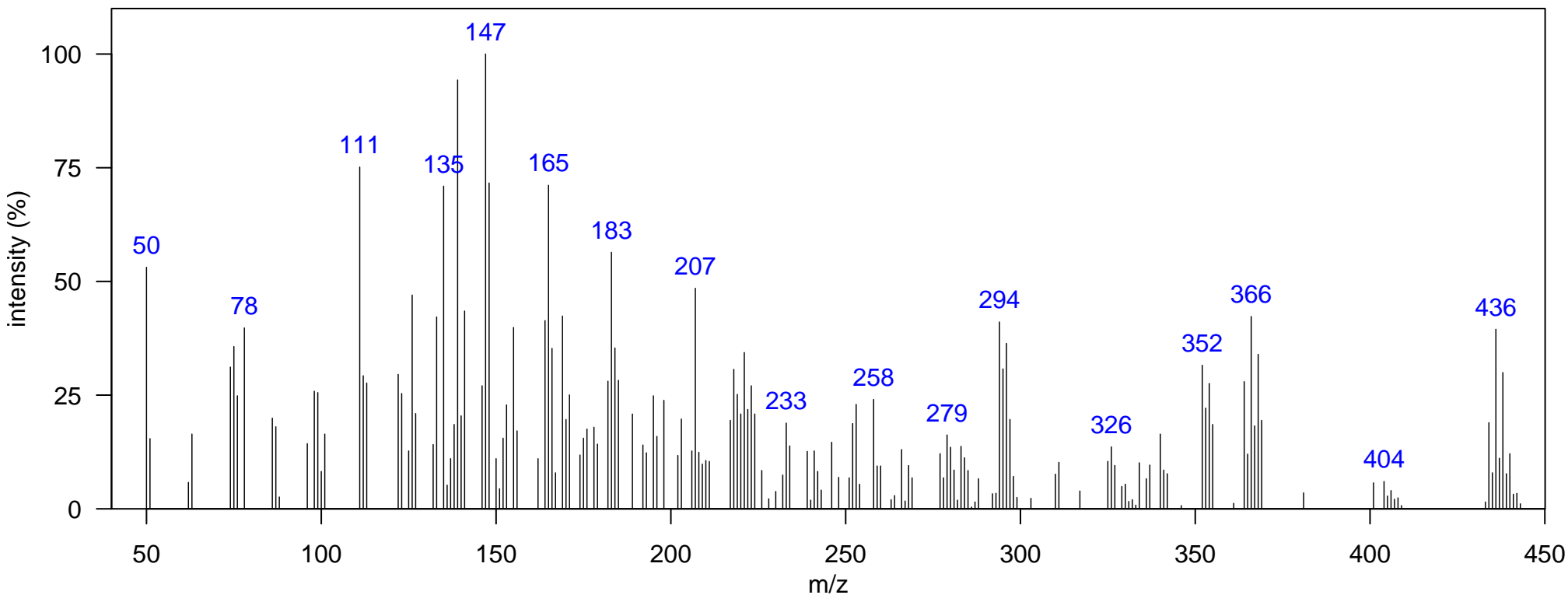
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

Name: terphenyl 6Cl 7

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1792.82, 2.125

Elemental Formula: C₁₈H₈Cl₆

Ecotype: offshore

Quantitative Ion m/z: 438

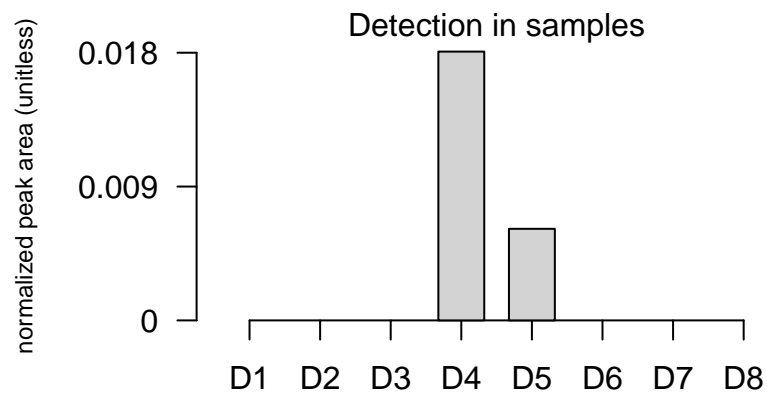
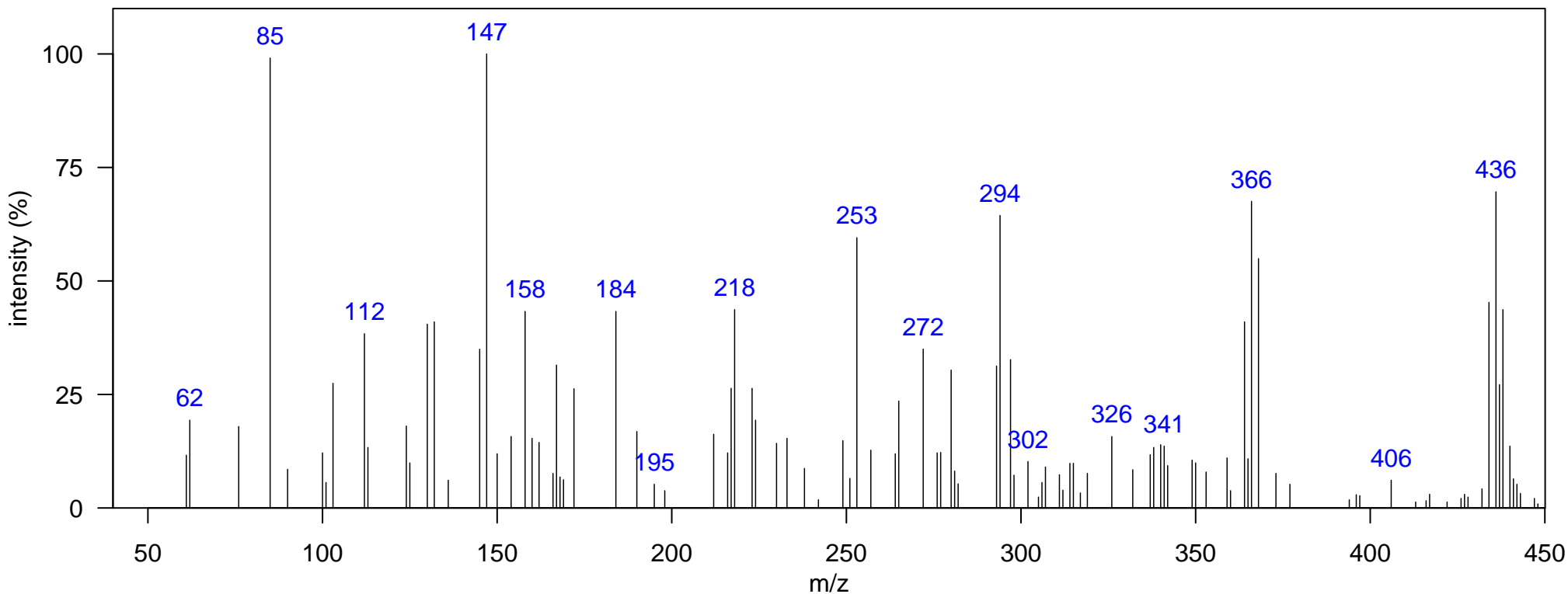
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



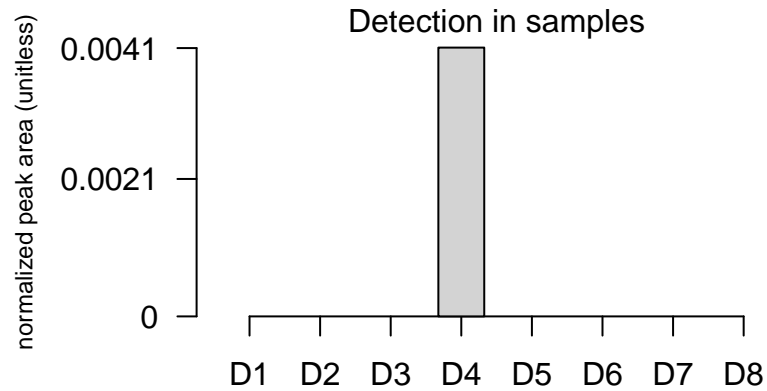
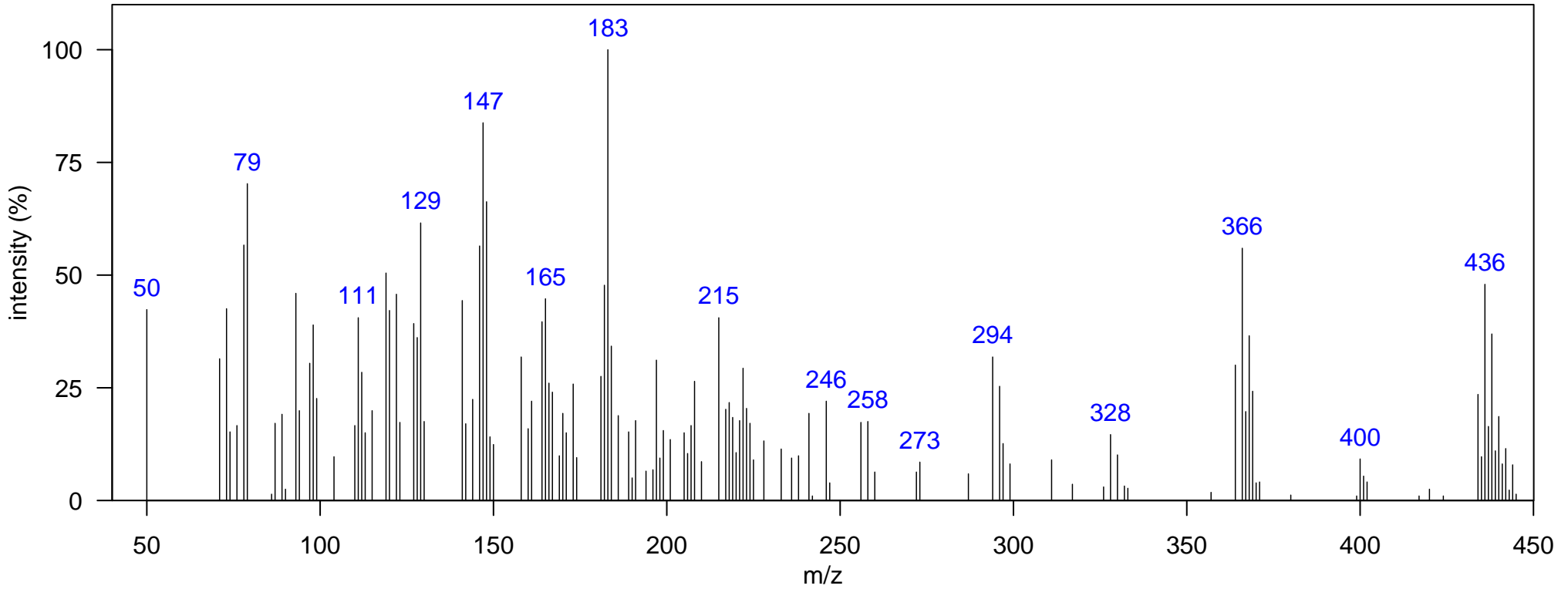
m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

Name: terphenyl 6Cl 8

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1834.79, 2.284
Ecotype: offshore Quantitative Ion m/z: 438
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

Name: terphenyl 7Cl 1

Class: PCT

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1726.36, 1.888

Elemental Formula: C₁₈H₇Cl₇

Ecotype: coastal

Quantitative Ion m/z: 470

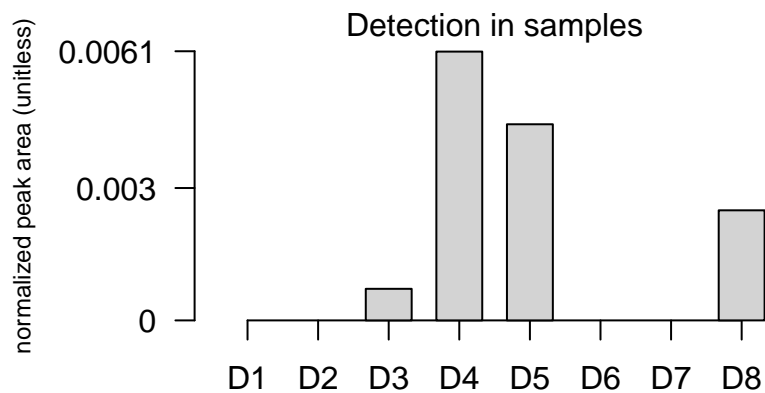
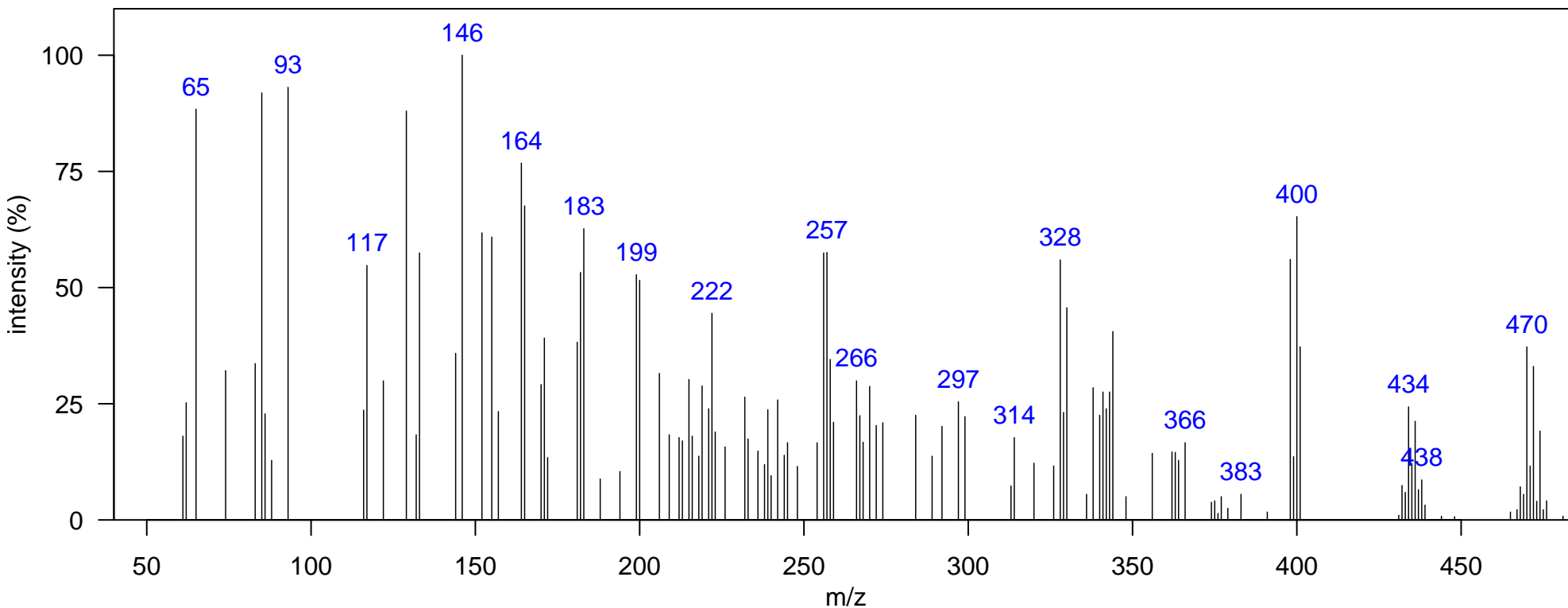
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
398 [M-Cl ₂] ⁺
468 M ⁺

Name: terphenyl 7Cl 2

Class: PCT

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1789.32, 2.006

Elemental Formula: C₁₈H₇Cl₇

Ecotype: coastal

Quantitative Ion m/z: 470

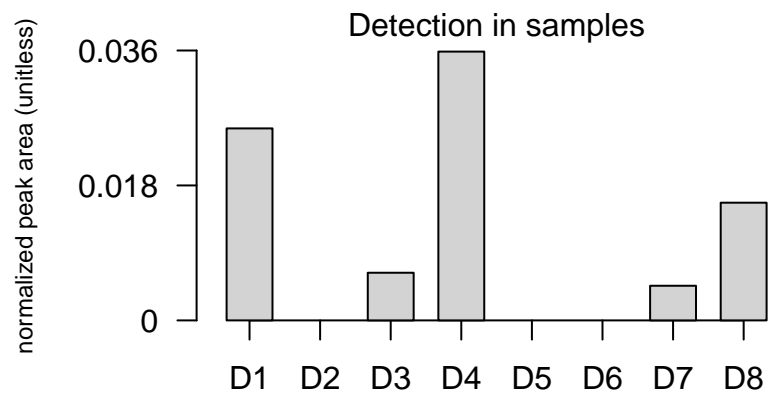
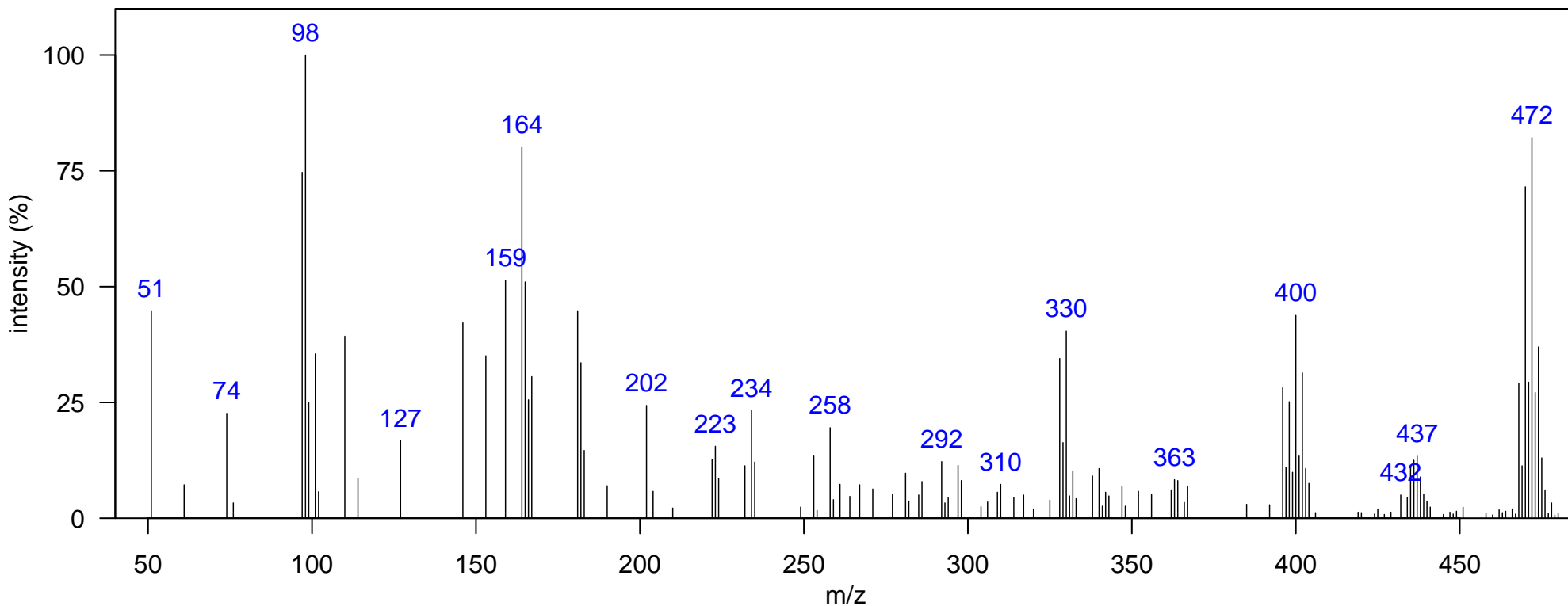
Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Source: anthropogenic

Comment:

Identification: Manual-Congener Group



m/z [Fragment]
398 [M-Cl ₂] ⁺
468 M ⁺

Name: terphenyl 7Cl 3

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1799.81, 2.092

Elemental Formula: C₁₈H₇Cl₇

Ecotype: offshore

Quantitative Ion m/z: 470

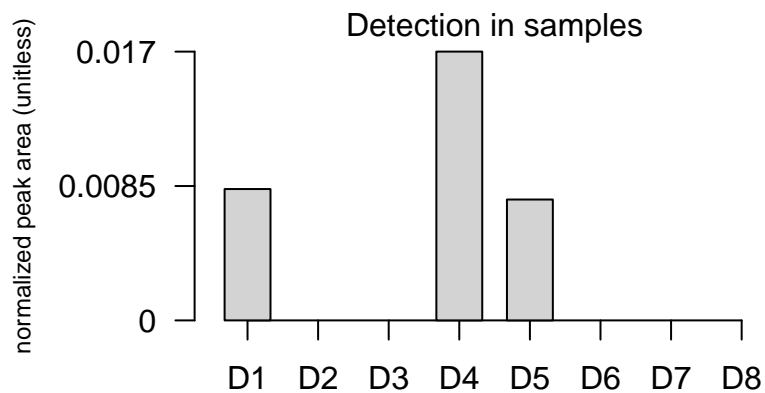
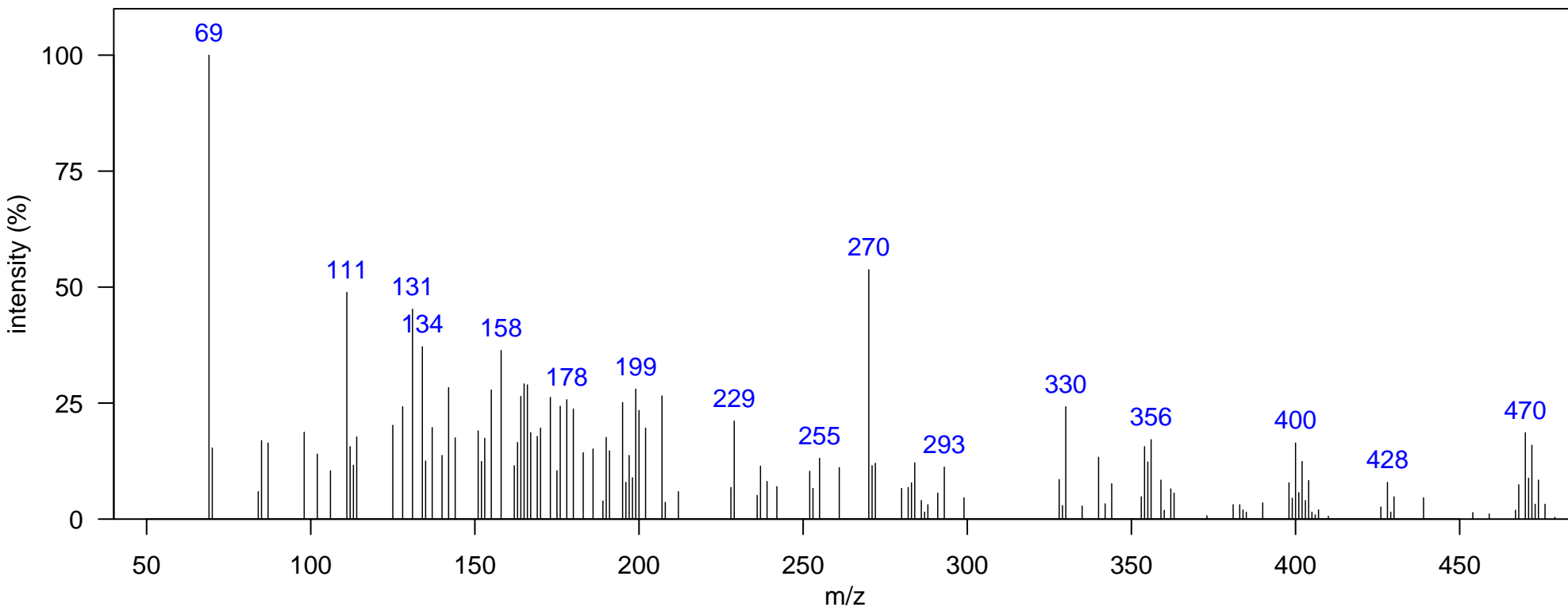
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
398 [M-Cl ₂] ⁺
468 M ⁺

Name: terphenyl 7Cl 4

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1820.8, 2.053

Elemental Formula: C₁₈H₇Cl₇

Ecotype: offshore

Quantitative Ion m/z: 470

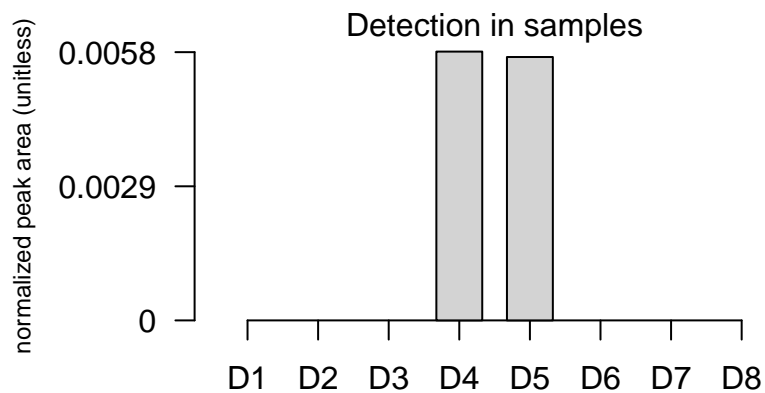
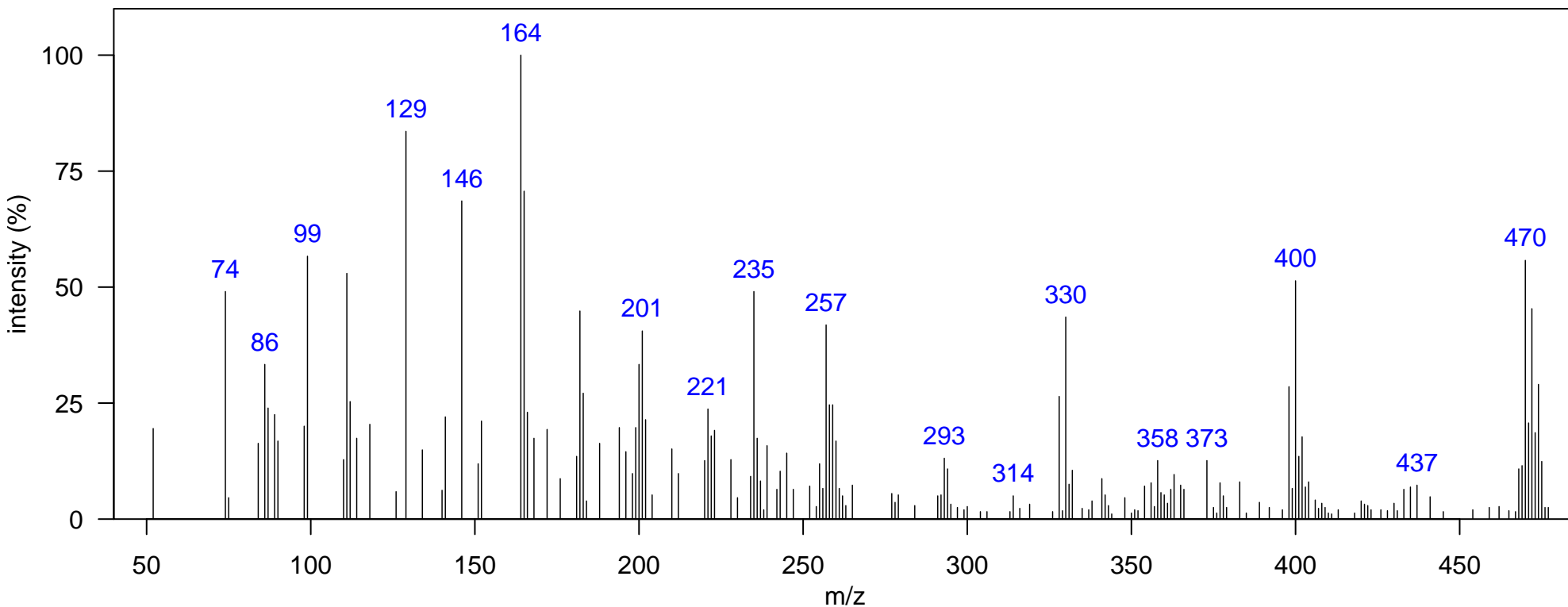
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
398 [M-Cl ₂] ⁺
468 M ⁺

Name: terphenyl 7Cl 5

Class: PCT

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 1838.29, 2.237

Elemental Formula: C₁₈H₇Cl₇

Ecotype: coastal

Quantitative Ion m/z: 470

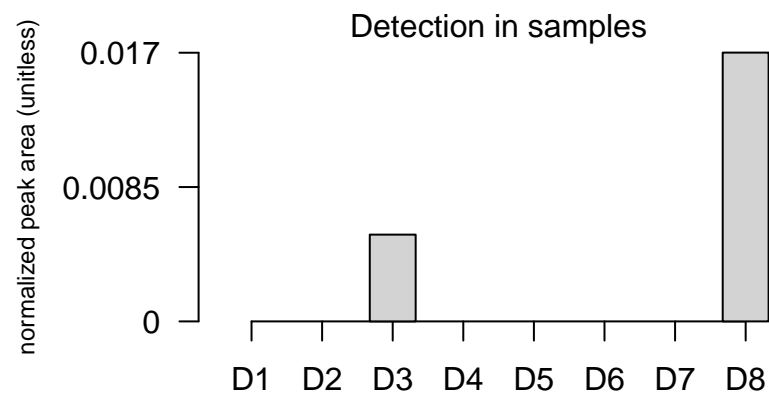
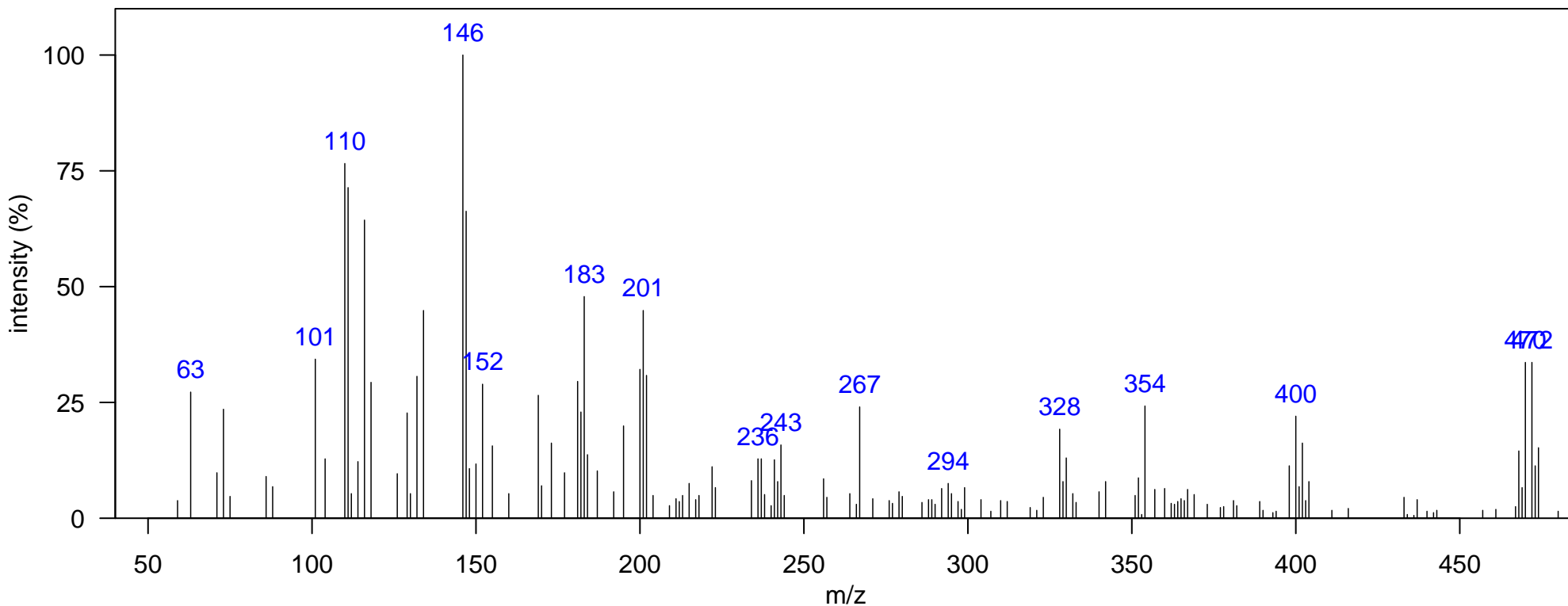
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
398 [M-Cl ₂] ⁺
468 M ⁺

Name: terphenyl 7Cl 6

Class: PCT

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1845.29, 2.244

Elemental Formula: C₁₈H₇Cl₇

Ecotype: coastal

Quantitative Ion m/z: 470

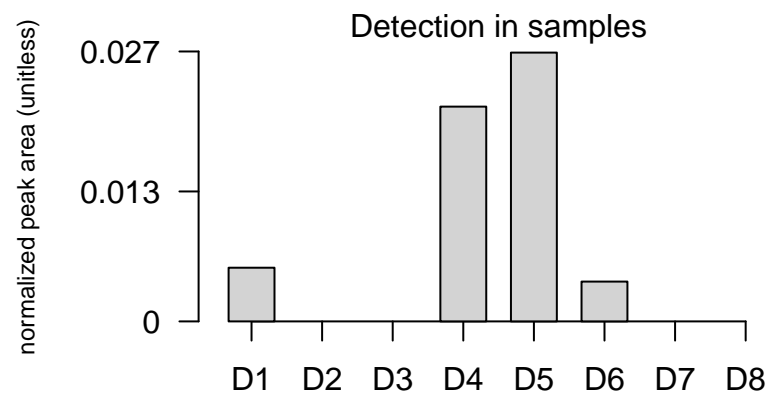
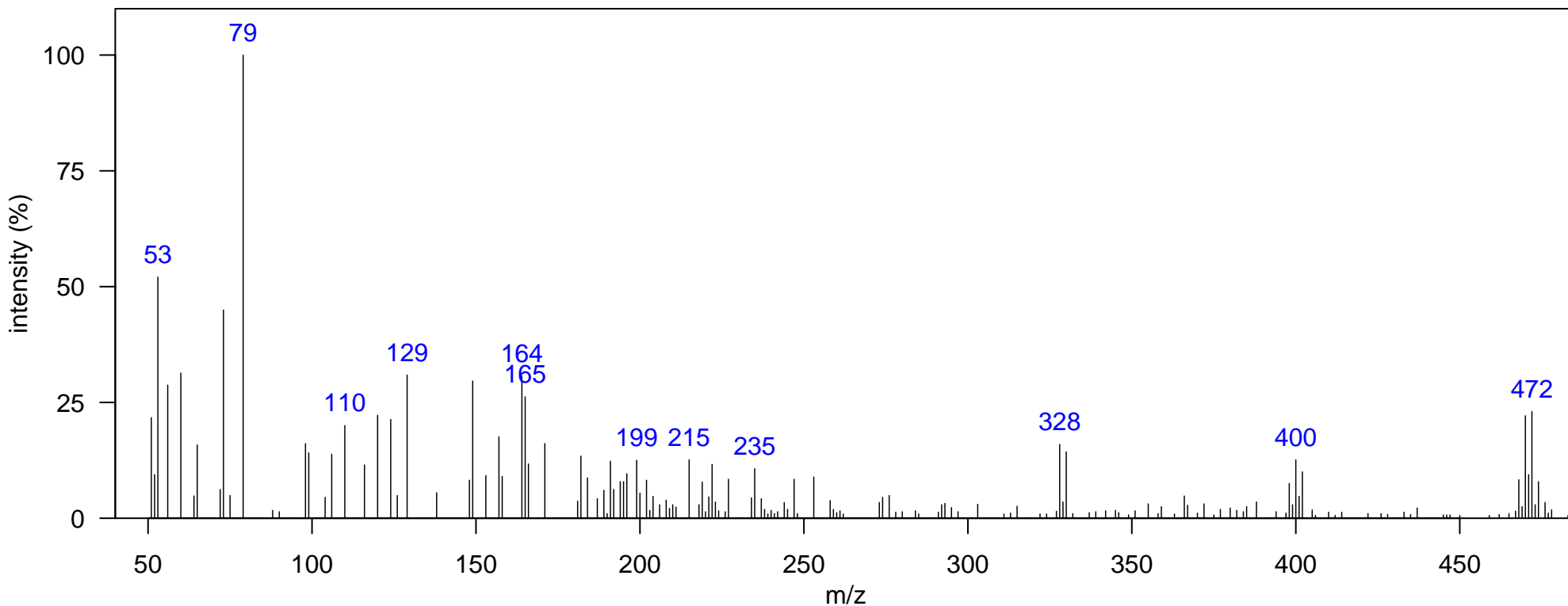
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



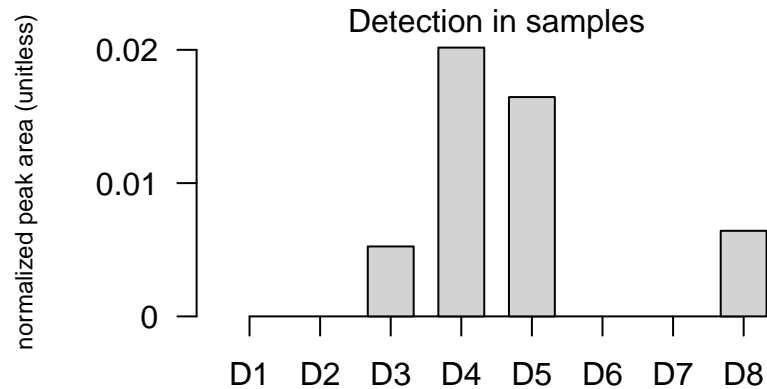
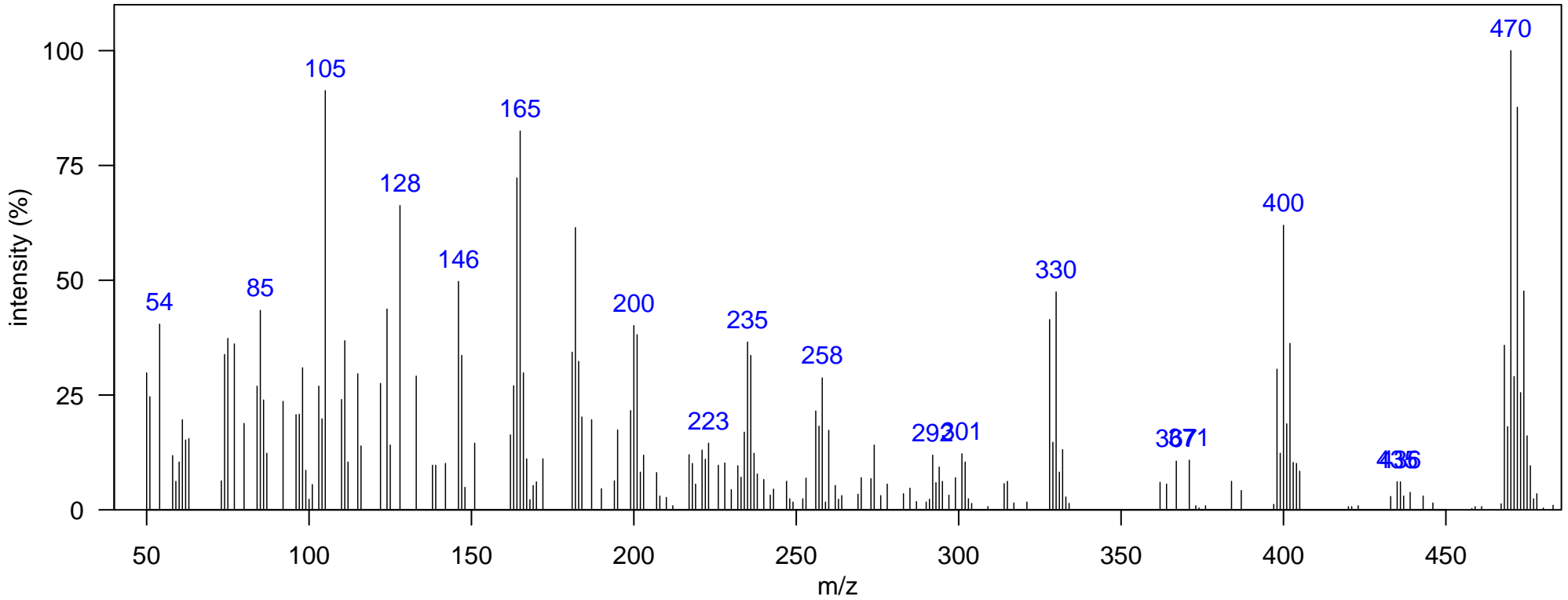
m/z [Fragment]
398 [M-Cl ₂] ⁺
468 M ⁺

Name: terphenyl 7Cl 7

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1876.77, 2.396
Ecotype: offshore Quantitative Ion m/z: 470
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula: C₁₈H₇Cl₇
Source: anthropogenic
Identification: Manual-Congener Group



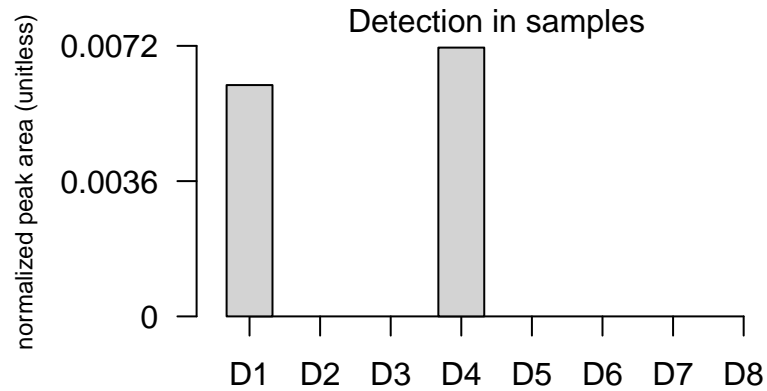
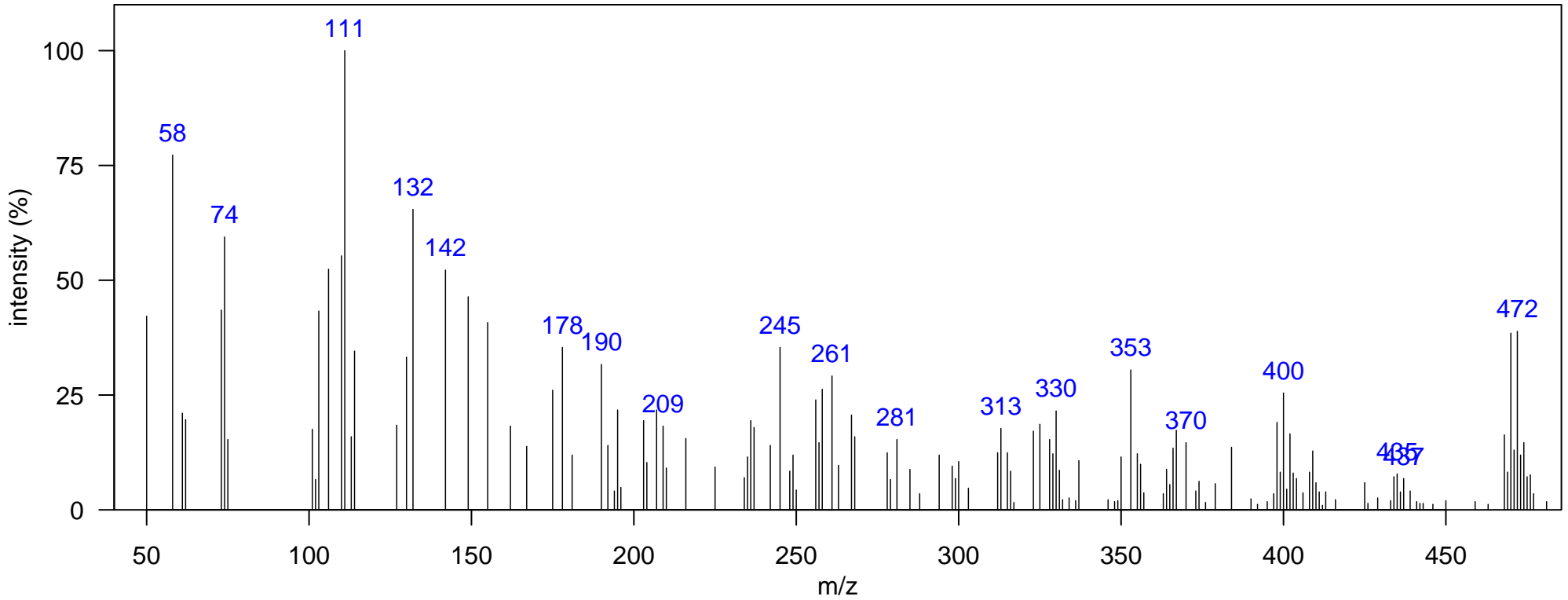
m/z [Fragment]
398 [M-Cl ₂] ⁺
468 M ⁺

Name: terphenyl 7Cl 8

Class: PCT

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1880.27, 2.475
Ecotype: coastal Quantitative Ion m/z: 470
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula: C₁₈H₇Cl₇
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
398 [M-Cl ₂] ⁺
468 M ⁺

Name: terphenyl 7Cl 9

Class: PCT

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1894.26, 2.614

Elemental Formula: C₁₈H₇Cl₇

Ecotype: coastal

Quantitative Ion m/z: 470

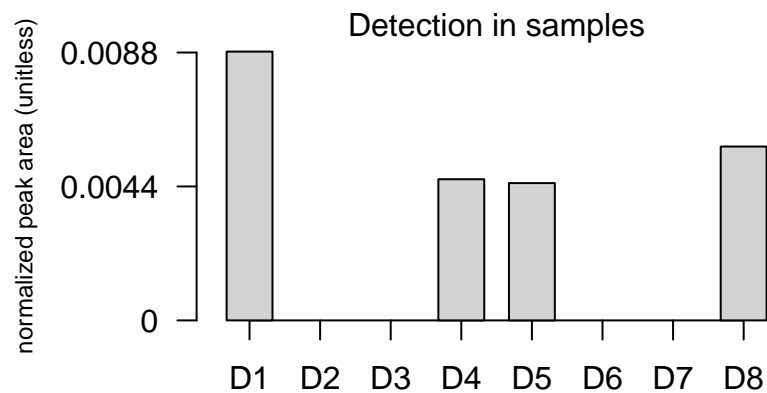
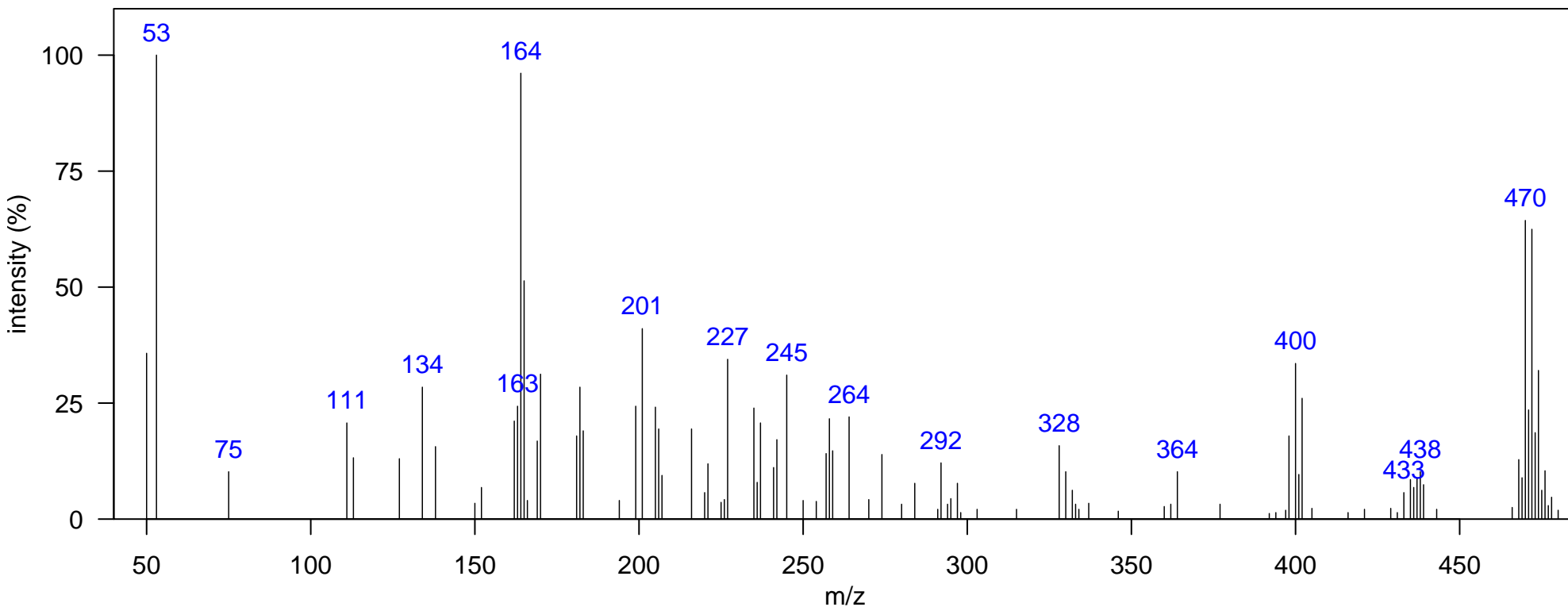
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
398 [M-Cl ₂] ⁺
468 M ⁺

Name: terphenyl 8Cl 1

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1799.81, 2.033

Elemental Formula: C₁₈H₆Cl₈

Ecotype: offshore

Quantitative Ion m/z: 504

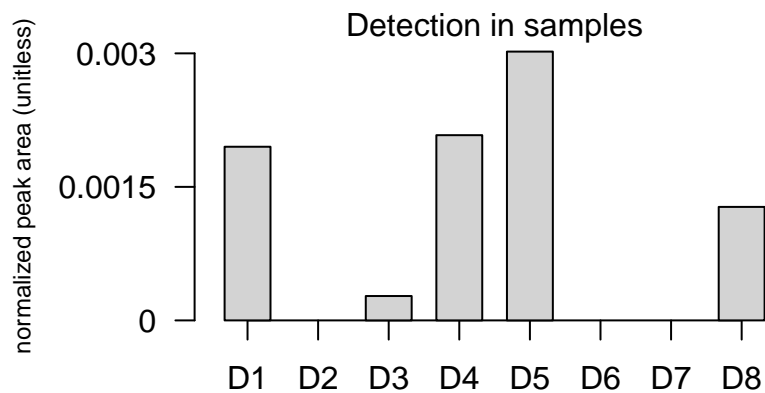
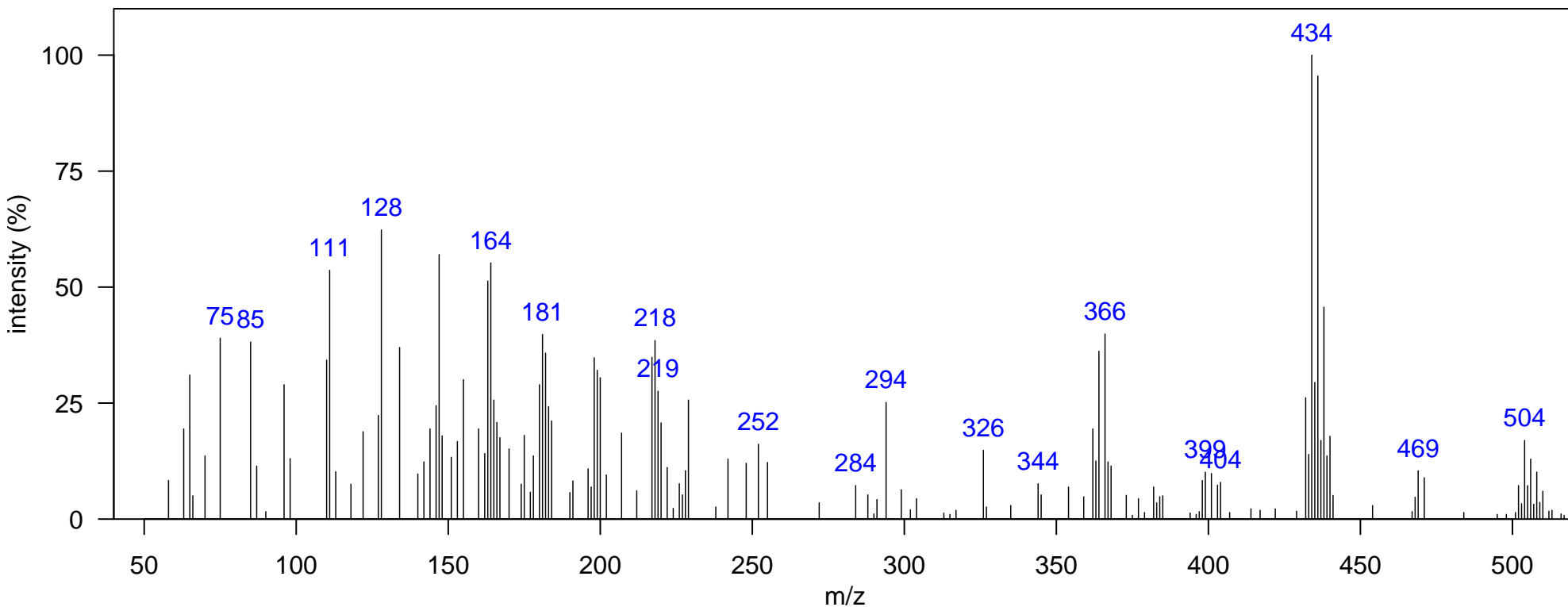
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
432 [M-Cl ₂] ⁺
502 M ⁺

Name: terphenyl 8Cl 2

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1894.26, 2.435

Elemental Formula: C₁₈H₆Cl₈

Ecotype: offshore

Quantitative Ion m/z: 504

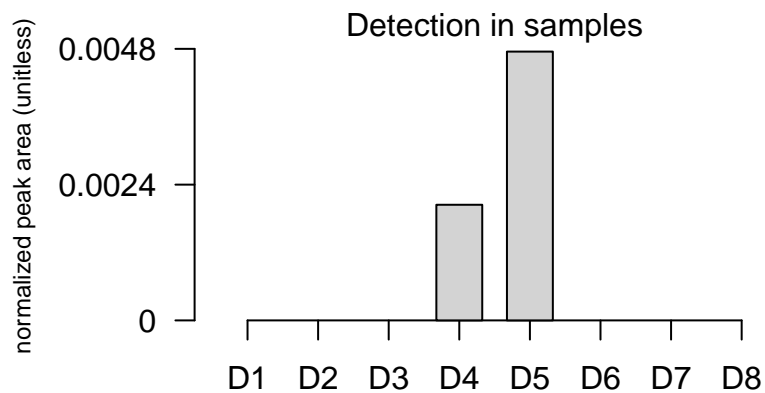
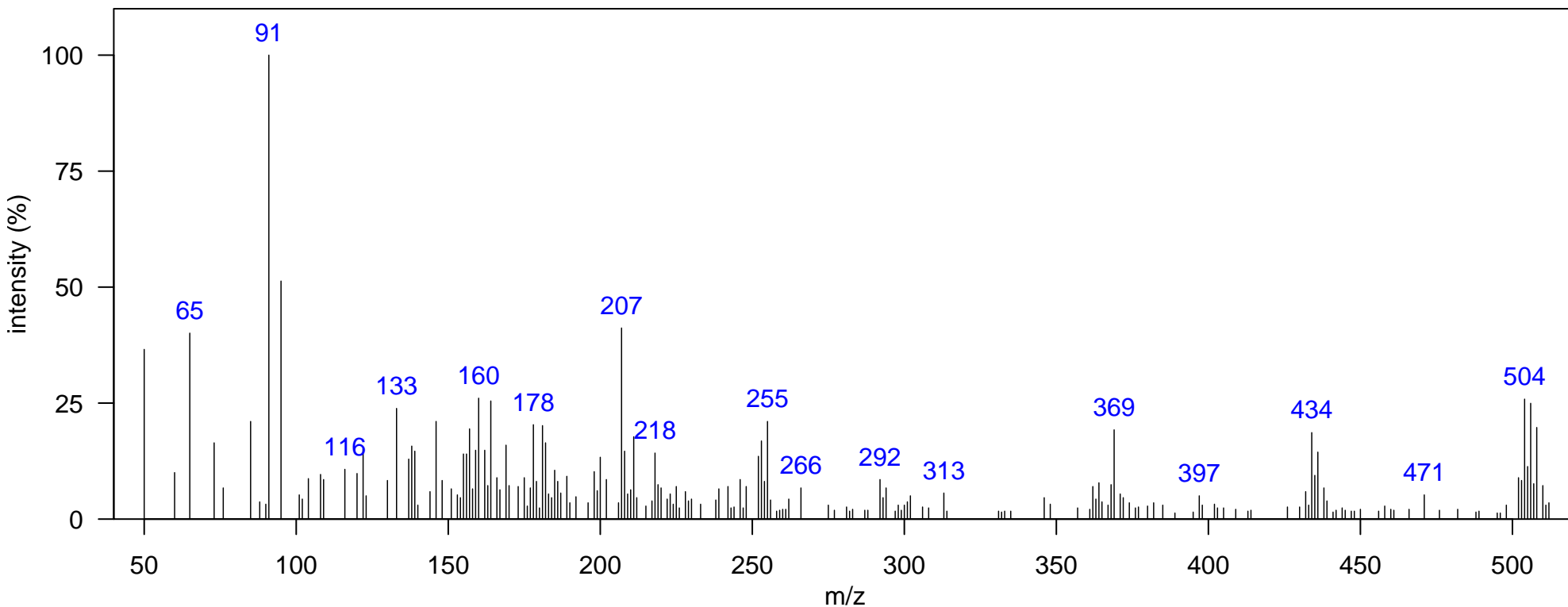
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
432 [M-Cl ₂] ⁺
502 M ⁺

Name: terphenyl 8Cl 3

Class: PCT

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1901.26, 2.455

Elemental Formula: C₁₈H₆Cl₈

Ecotype: offshore

Quantitative Ion m/z: 504

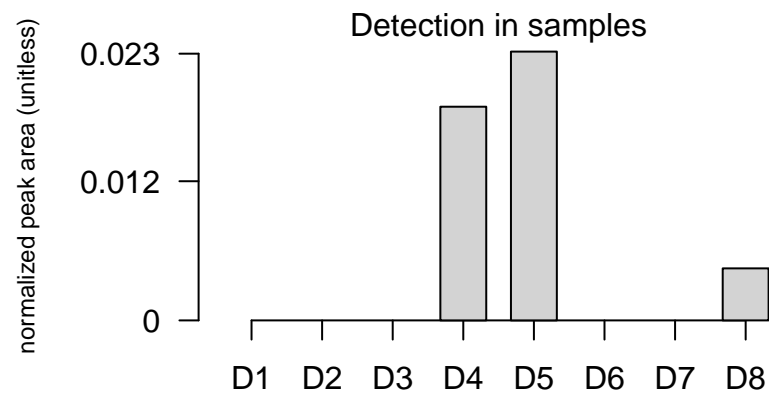
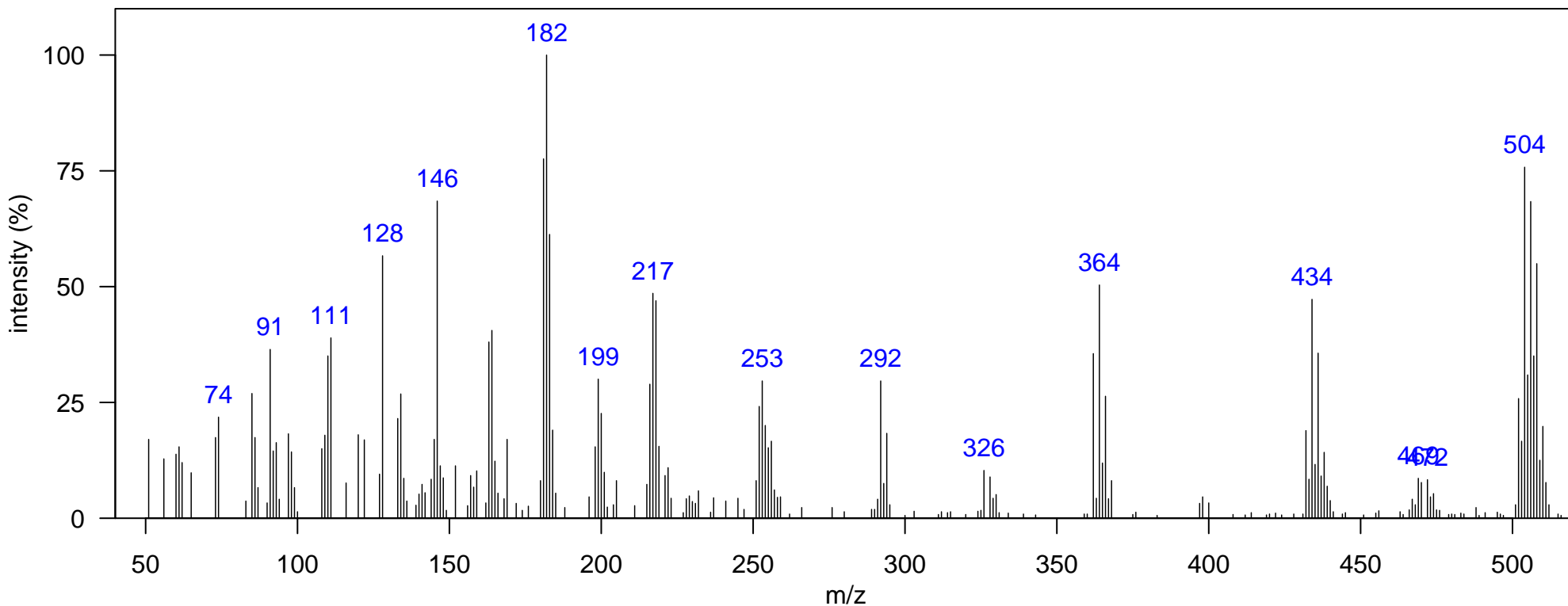
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
432 [M-Cl ₂] ⁺
502 M ⁺

Name: terphenyl 8Cl 4

Class: PCT

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1904.75, 2.475

Elemental Formula: C₁₈H₆Cl₈

Ecotype: coastal

Quantitative Ion m/z: 504

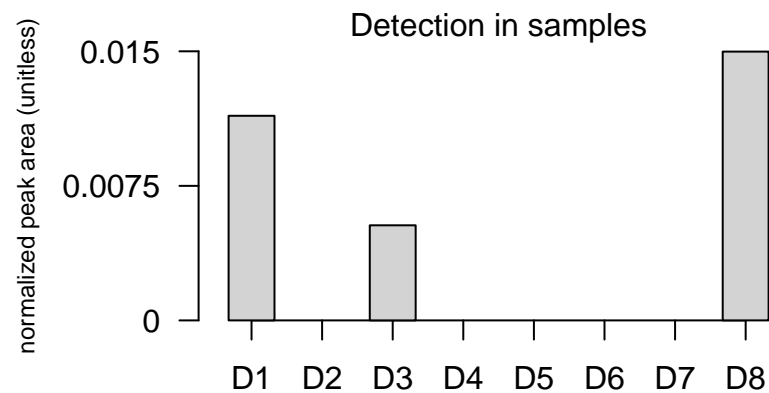
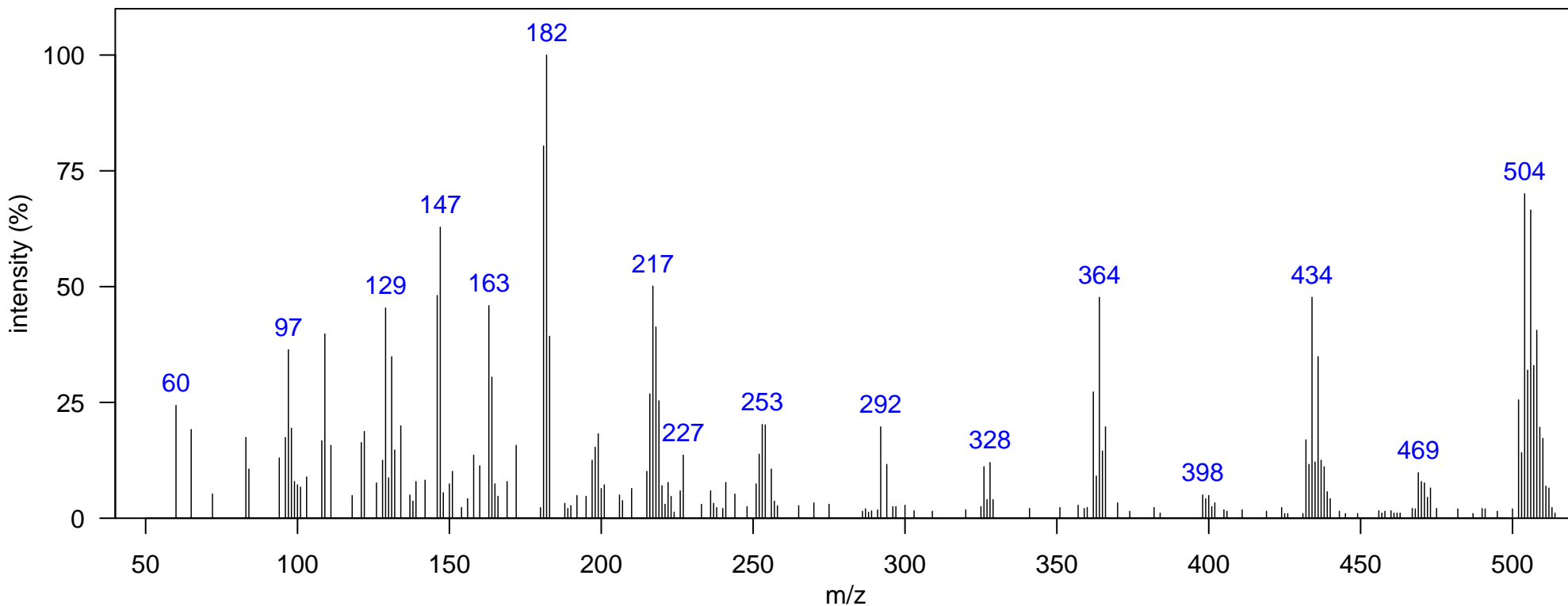
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



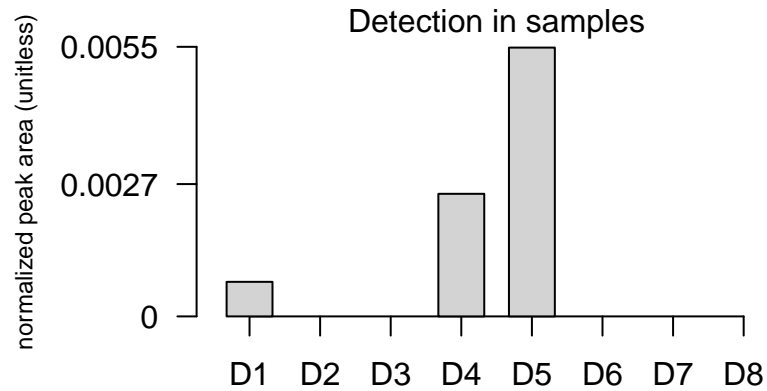
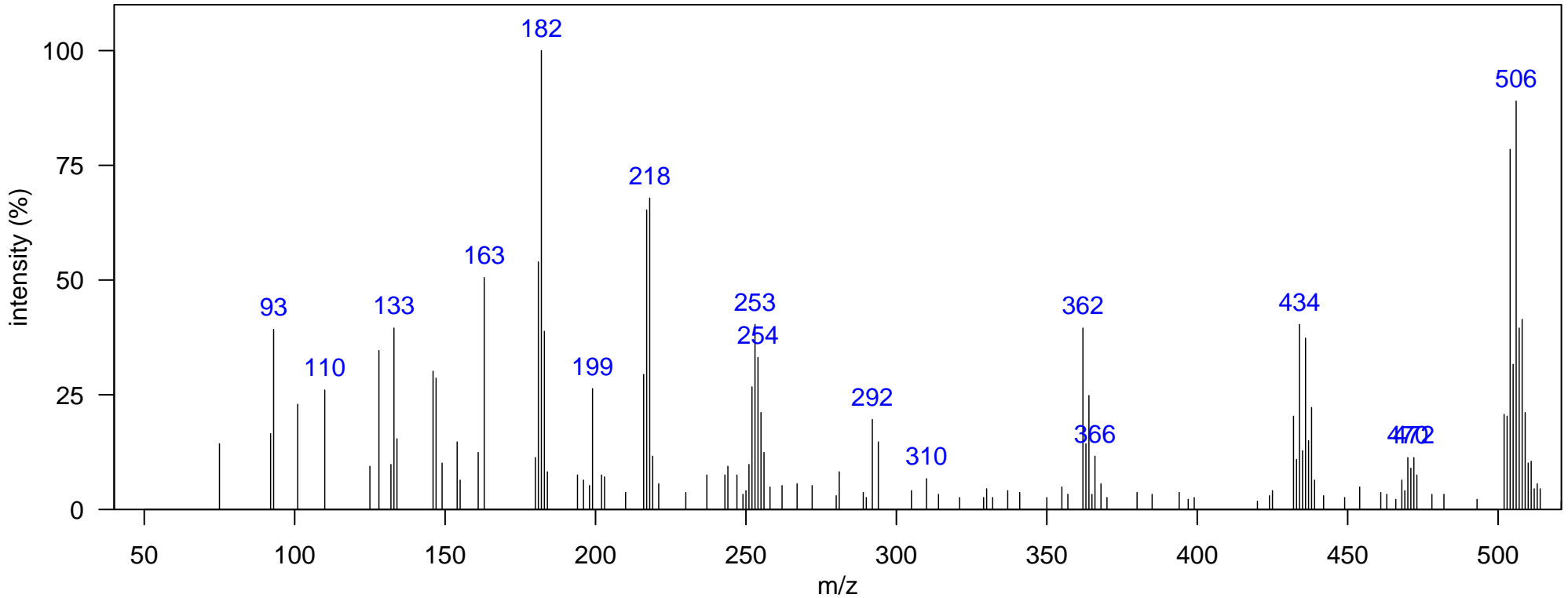
m/z [Fragment]
432 [M-Cl ₂] ⁺
502 M ⁺

Name: terphenyl 8Cl 5

Class: PCT

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1964.22, 2.963
Ecotype: coastal Quantitative Ion m/z: 504
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula: C₁₈H₆Cl₈
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
432 [M-Cl ₂] ⁺
502 M ⁺

Name: methylsulfonylPCB-101

Class: Methylsulfonyl-PCB

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1691.38, 2.165

Elemental Formula: C₁₃H₇Cl₅O₂S

Ecotype: coastal

Quantitative Ion m/z: 404

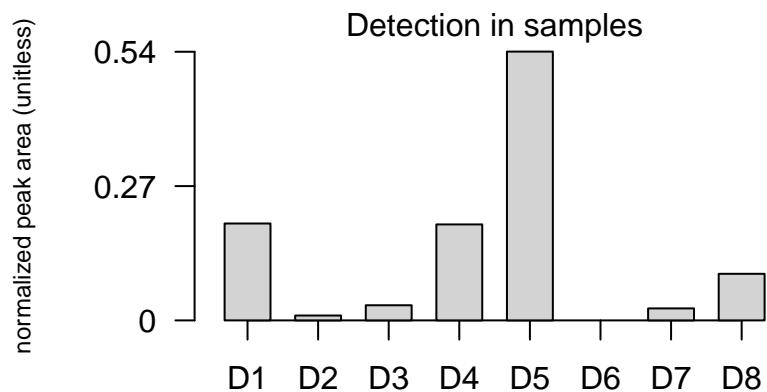
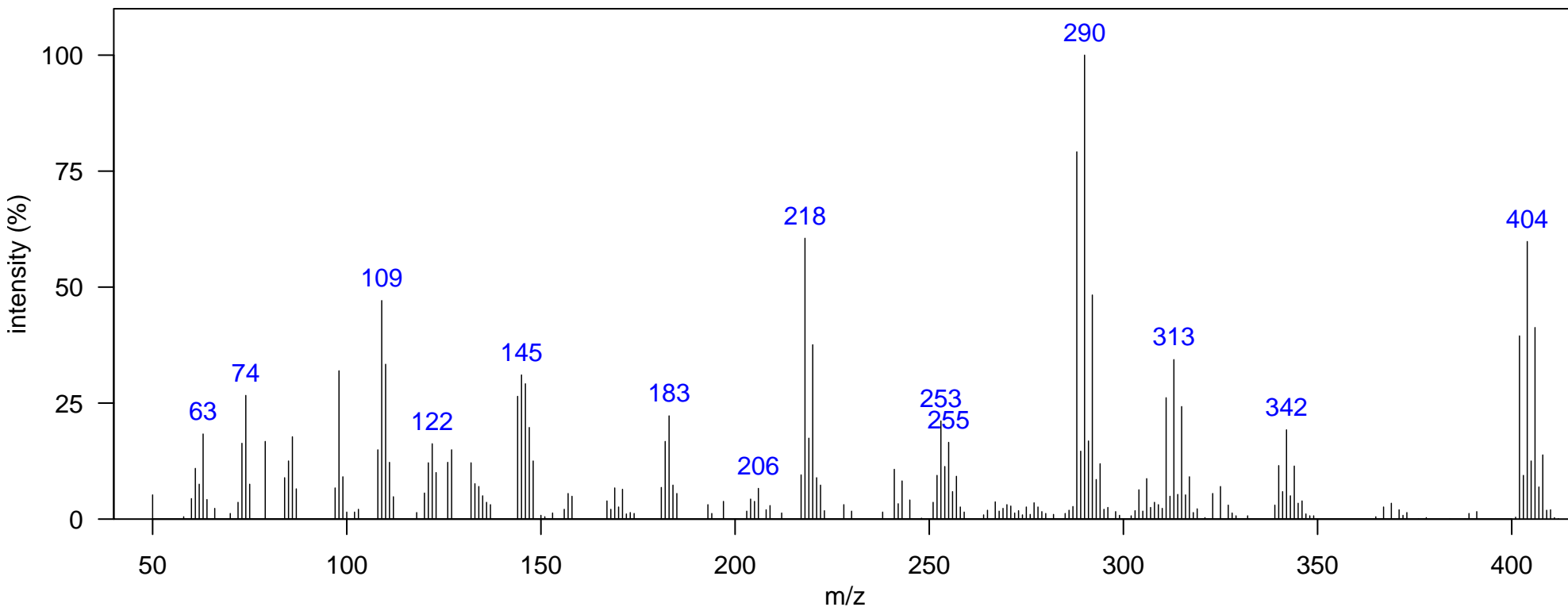
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS RT

Comment:



m/z [Fragment]
288 [M-SO ₂ CH ₃ Cl] ⁺
340 [M-CH ₂ SO] ⁺
402 M ⁺

Name: methylsulfonylPCB 5Cl 1

Class: Methylsulfonyl-PCB

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1708.87, 2.211

Elemental Formula: C₁₃H₇Cl₅O₂S

Ecotype: coastal

Quantitative Ion m/z: 404

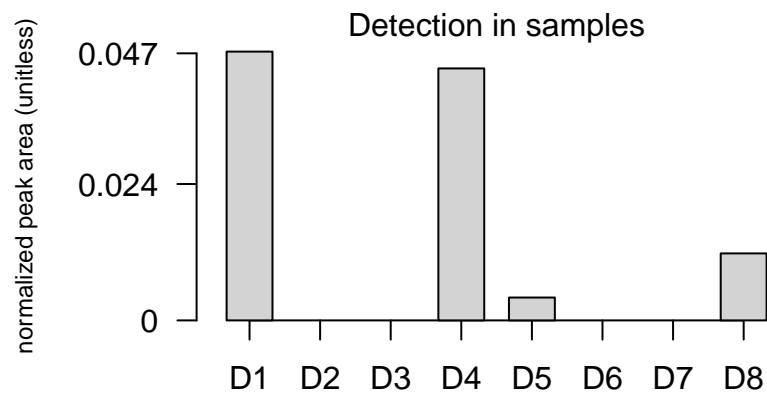
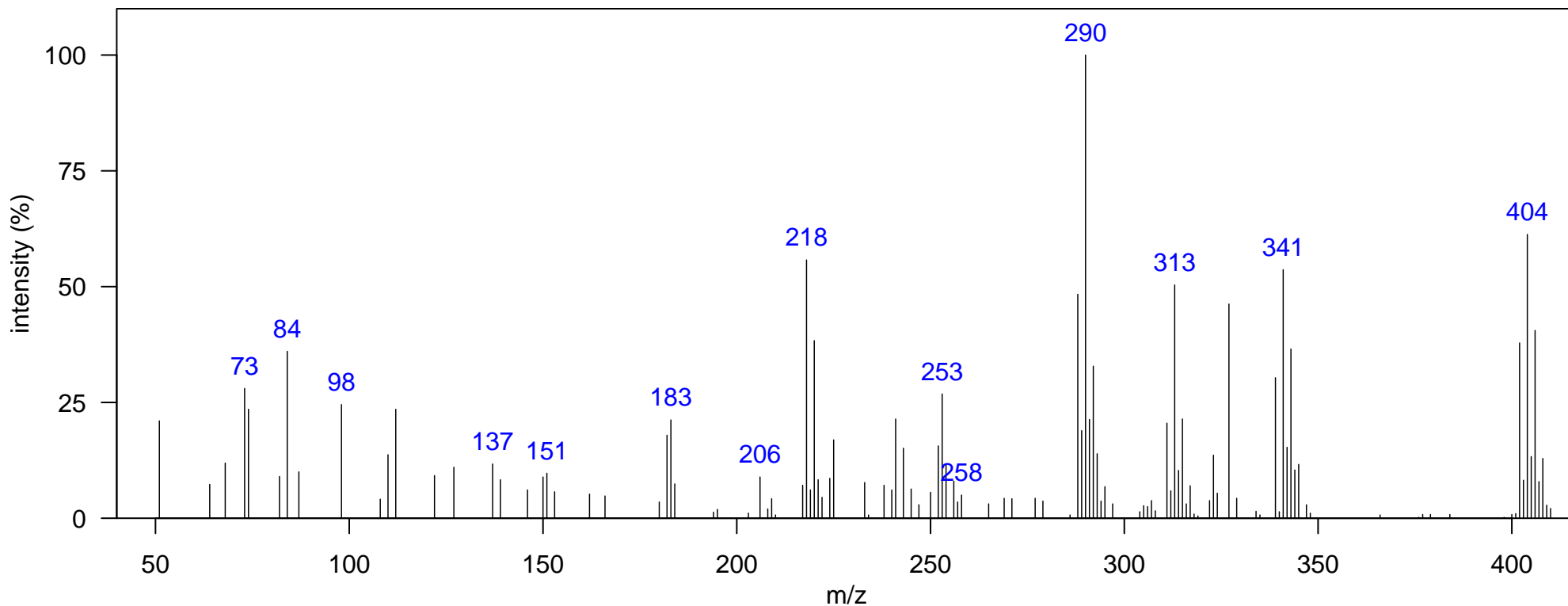
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS

Comment:



m/z [Fragment]
288 [M-SO ₂ CH ₃ Cl] ⁺
340 [M-CH ₂ SO] ⁺
402 M ⁺

Name: methylsulfonylPCB 5Cl 2

Class: Methylsulfonyl-PCB

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1729.85, 2.231

Elemental Formula: C₁₃H₇Cl₅O₂S

Ecotype: coastal

Quantitative Ion m/z: 404

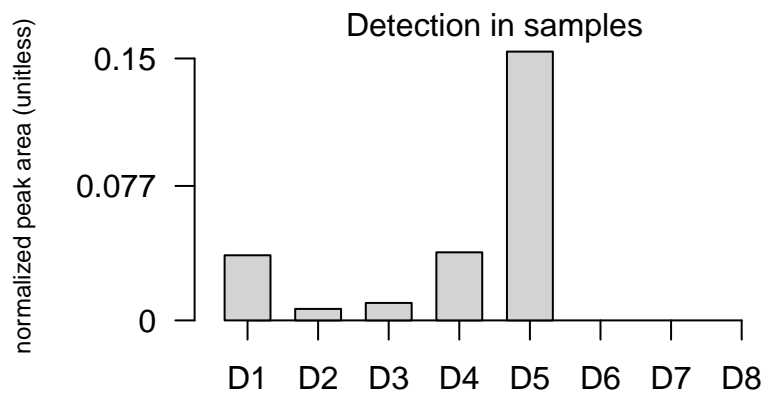
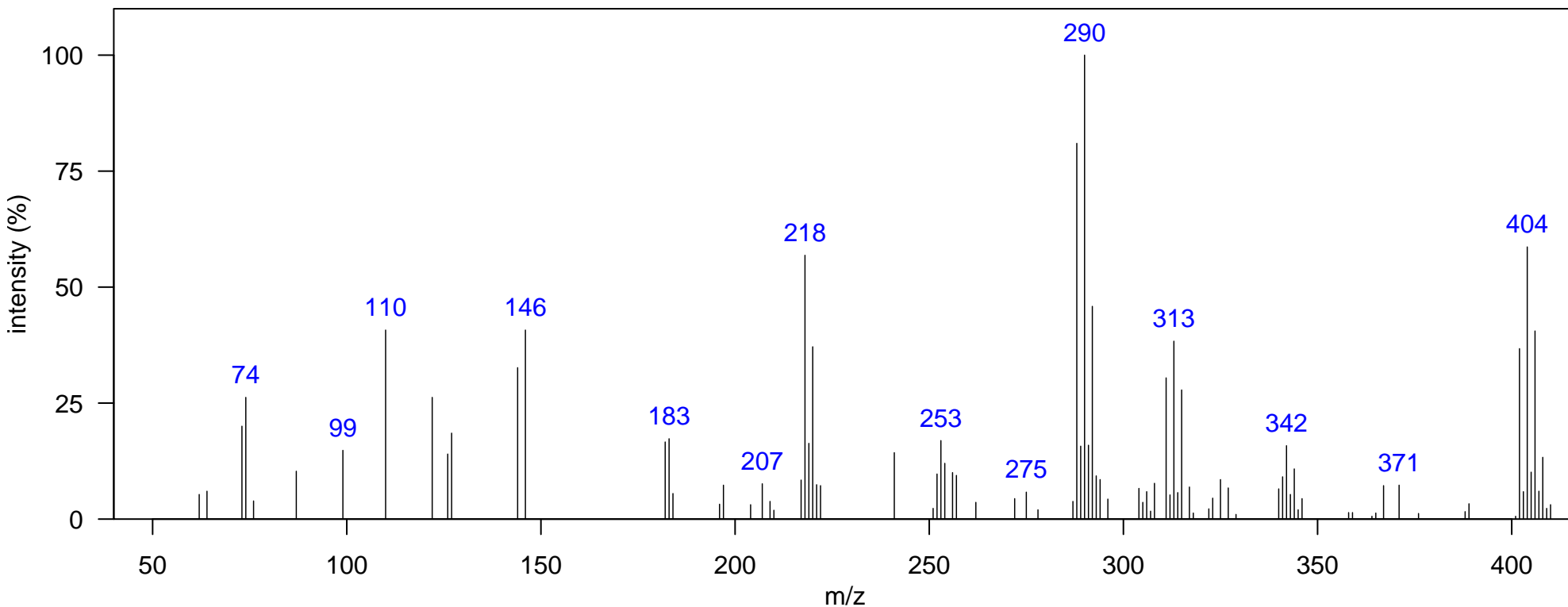
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS

Comment:



m/z [Fragment]
288 [M-SO ₂ CH ₃ Cl] ⁺
340 [M-CH ₂ SO] ⁺
402 M ⁺

Name: methylsulfonylPCB 5Cl 3

Class: Methylsulfonyl-PCB

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1747.34, 2.165

Elemental Formula: C₁₃H₇Cl₅O₂S

Ecotype: coastal

Quantitative Ion m/z: 404

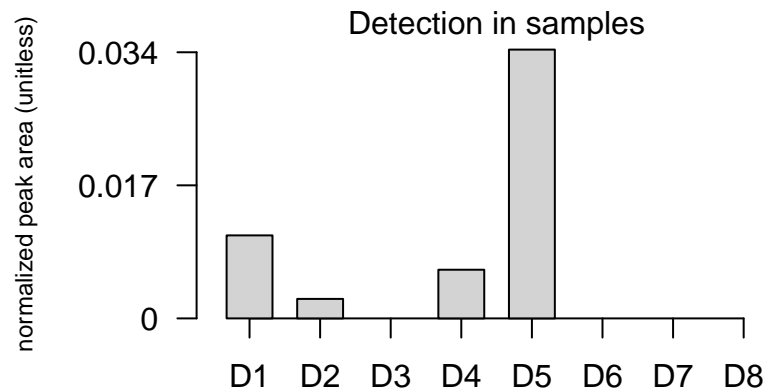
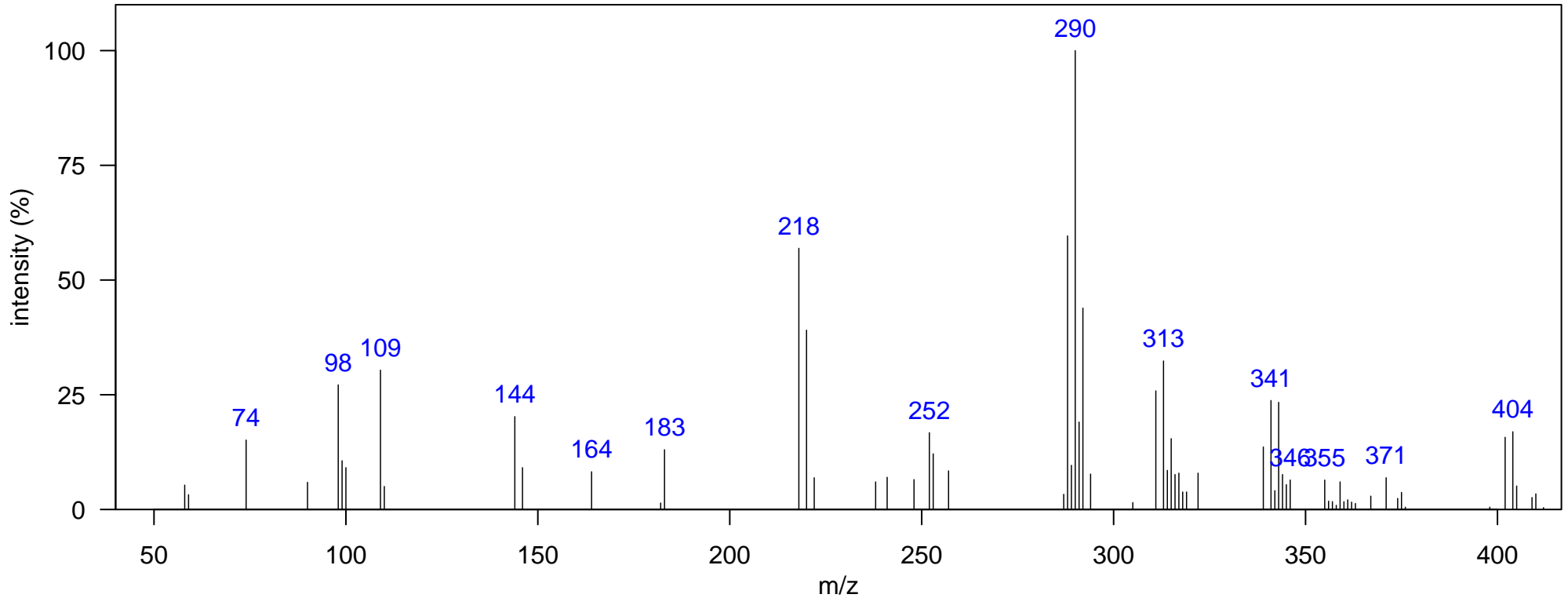
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS

Comment:



m/z [Fragment]
288 [M-SO ₂ CH ₃ Cl] ⁺
340 [M-CH ₂ SO] ⁺
402 M ⁺

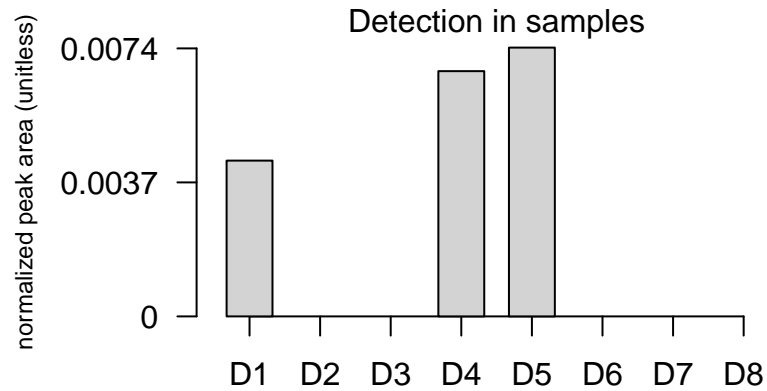
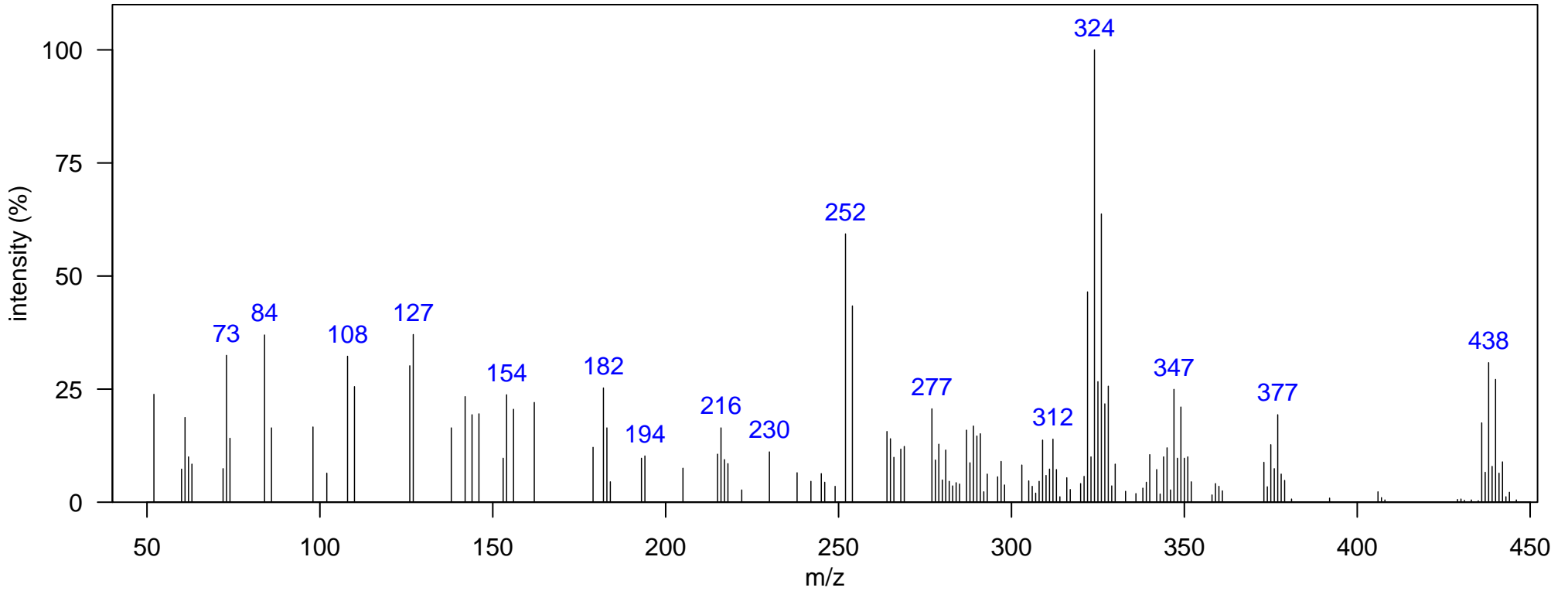
Name: methylsulfonylPCB 6Cl 1

Class: Methylsulfonyl-PCB

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1740.35, 2.02
Ecotype: coastal
Instrument: GCxGC-TOF, EI, 70 eV
Comment:

Quantitative Ion m/z: 438
Atlantic Lib:

Elemental Formula: C₁₃H₆Cl₆O₂S
Source: anthropogenic
Identification: Authentic MS



m/z [Fragment]
322 [M-CH ₃ SO ₂ Cl] ⁺
373 [M-CH ₃ SO] ⁺
436 M ⁺

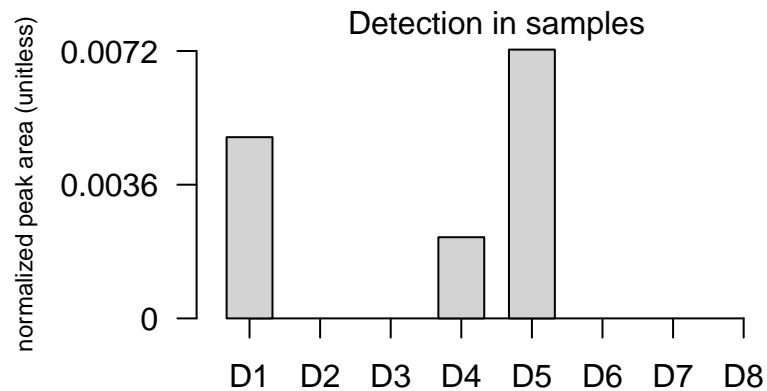
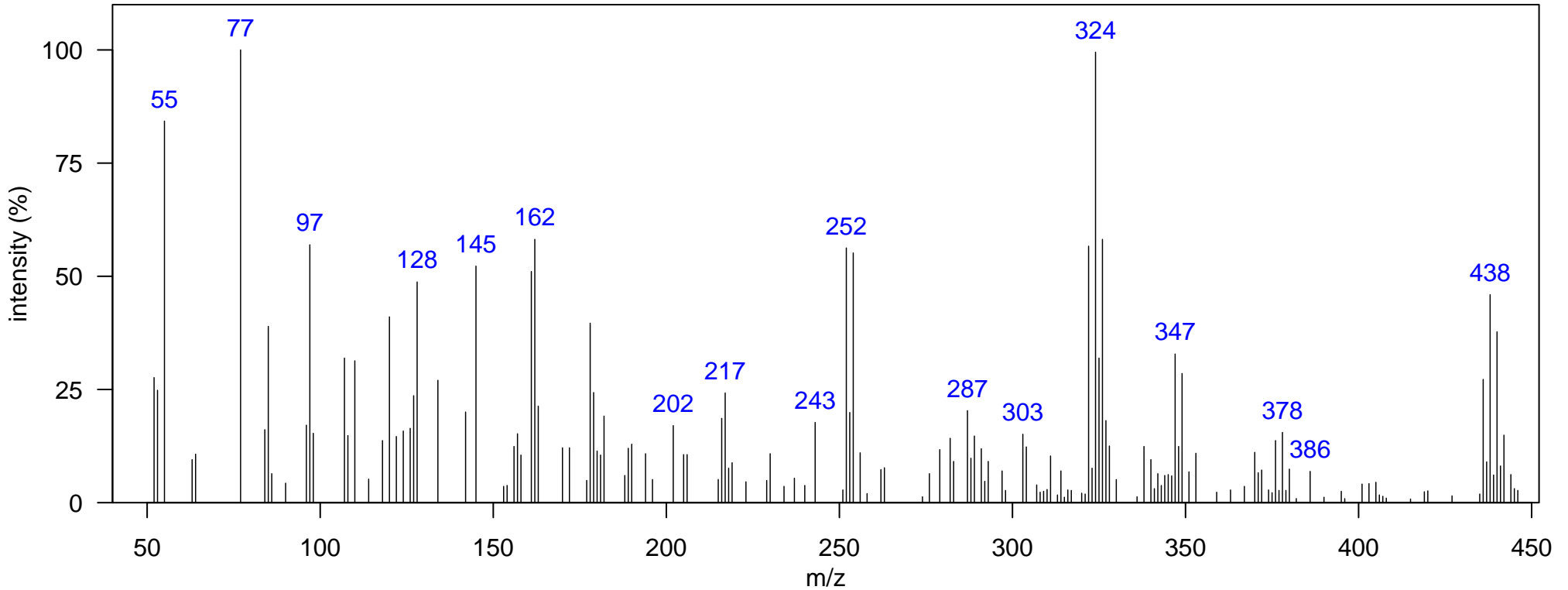
Name: methylsulfonylPCB 6Cl 2

Class: Methylsulfonyl-PCB

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1806.81, 2.31
Ecotype: coastal
Instrument: GCxGC-TOF, EI, 70 eV
Comment:

Quantitative Ion m/z: 438
Atlantic Lib:

Elemental Formula: C₁₃H₆Cl₆O₂S
Source: anthropogenic
Identification: Authentic MS



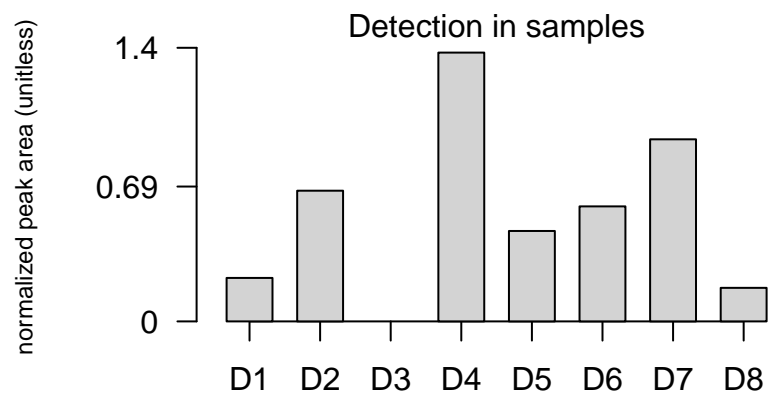
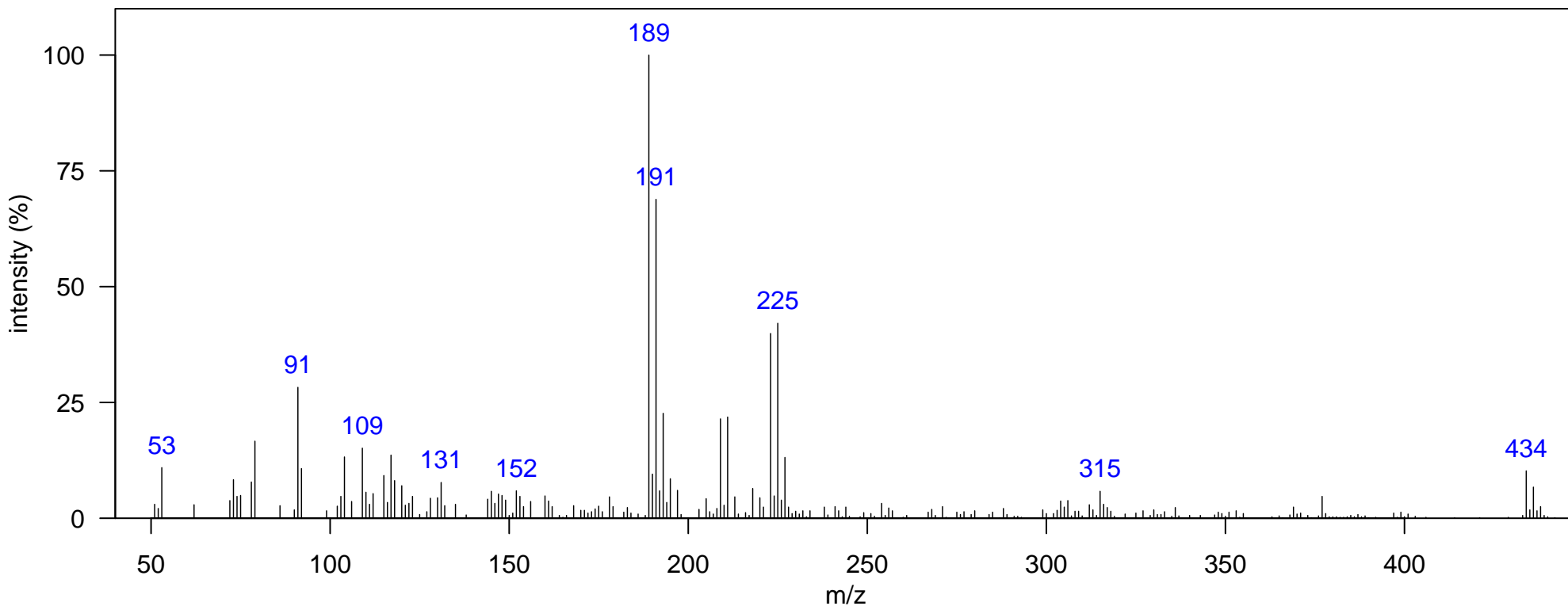
m/z [Fragment]
322 [M-CH ₃ SO ₂ Cl] ⁺
436 M ⁺

Name: methylenebistrichloroanisole

Class: Methylenebistrichloroanisole

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1645.9, 1.861
Ecotype: coastal Quantitative Ion m/z: 223
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: 2,2'-methylenebis(3,4,6-trichloroanisole)

Elemental Formula: C₁₅H₁₀Cl₆O₂
Source: anthropogenic
Identification: Reference Database MS



m/z [Fragment]
209 [223-CH ₂] ⁺
223 [M-C ₇ H ₄ Cl ₃ O] ⁺
432 M ⁺

Name: 1,2,4-trichlorobenzene

Class: Chlorinated benzene

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 697.94, 1.003

Elemental Formula: C₆H₃Cl₃

Ecotype: coastal

Quantitative Ion m/z: 182

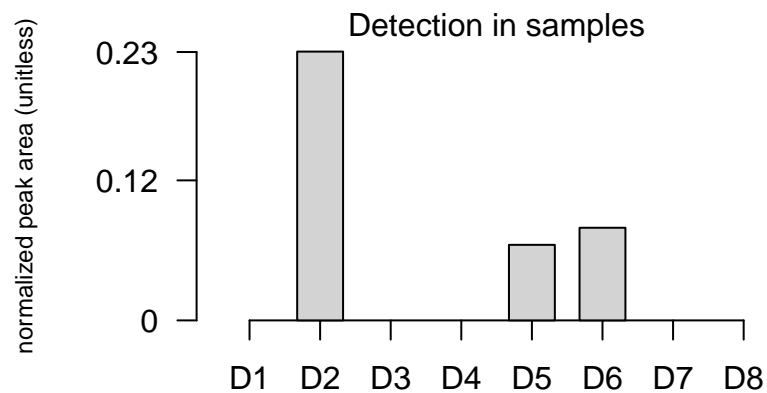
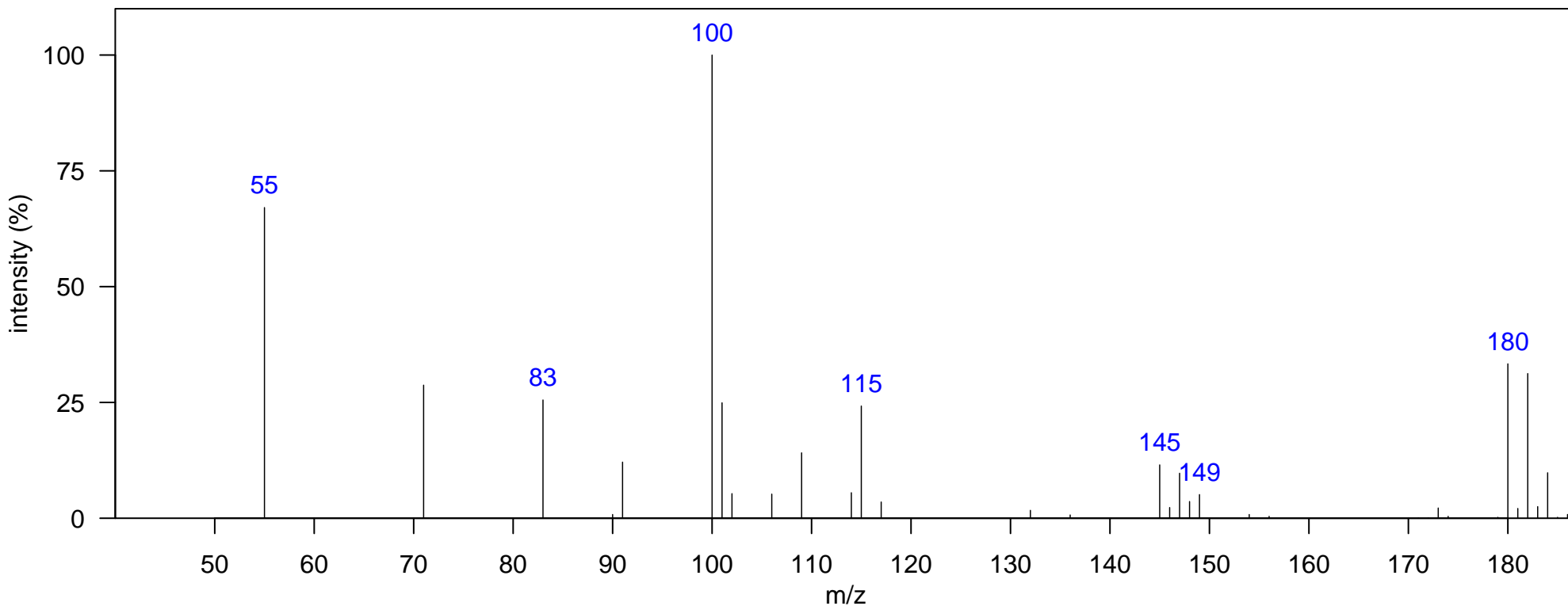
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS RT

Comment:



m/z [Fragment]
145 [M-Cl] ⁺
180 M ⁺

Name: 1,2,3,4-tetrachlorobenzene

Class: Chlorinated benzene

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 865.85, 1.076

Elemental Formula: C₆H₂Cl₄

Ecotype: offshore

Quantitative Ion m/z: 216

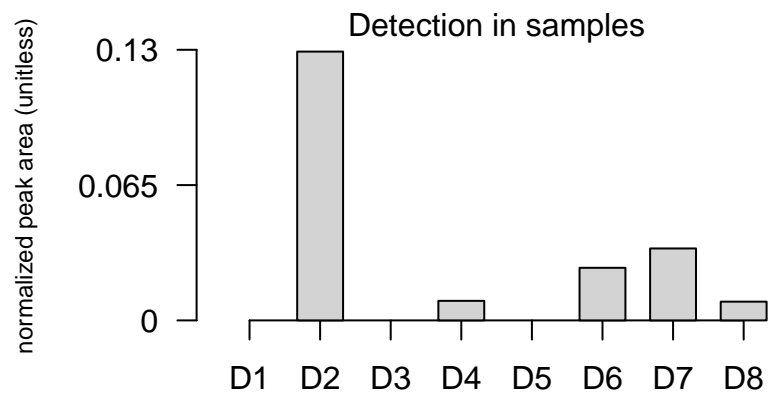
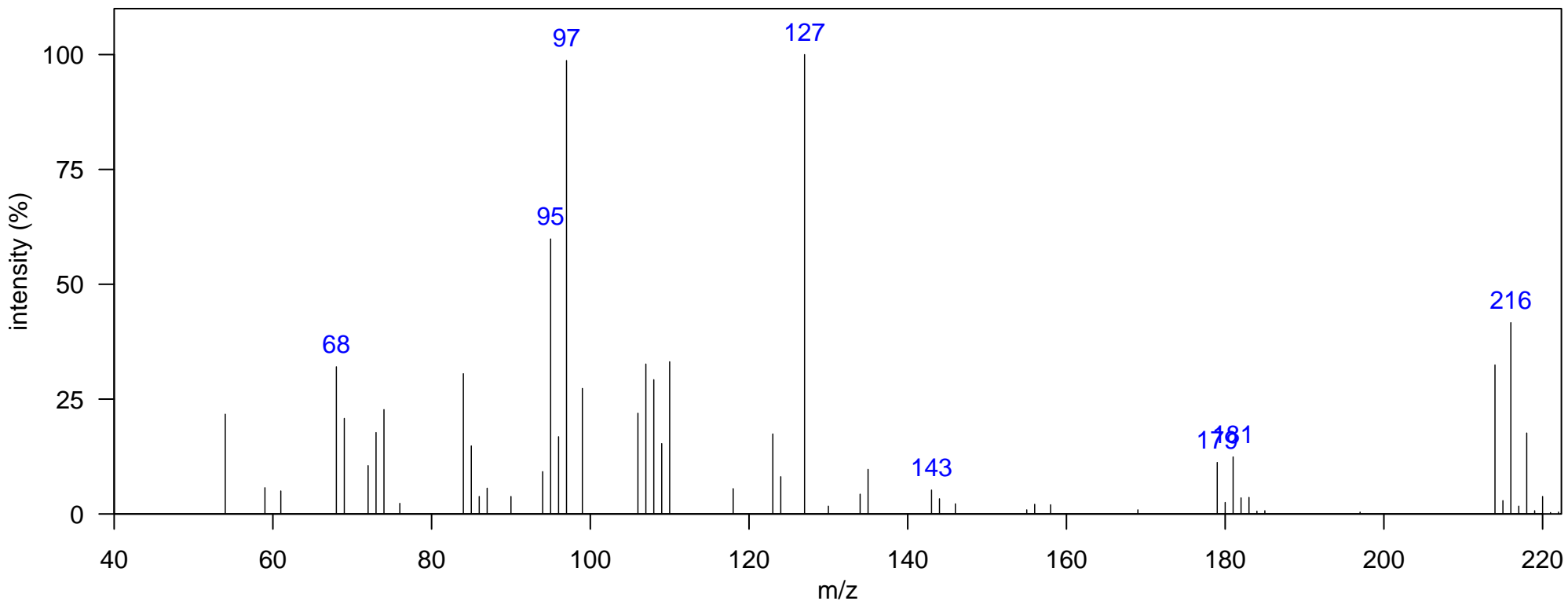
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS RT

Comment:



m/z [Fragment]
179 [M-Cl] ⁺
214 M ⁺

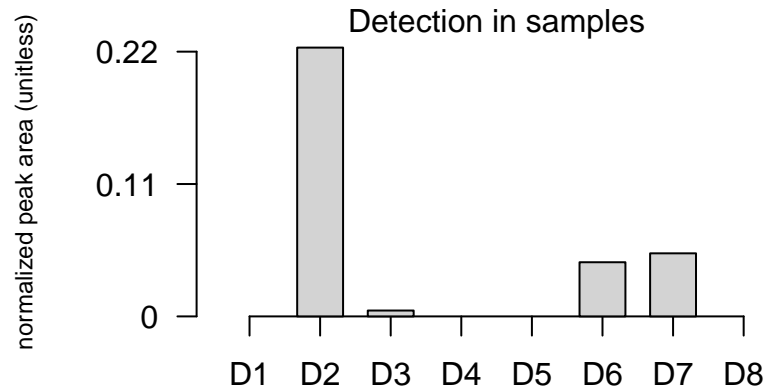
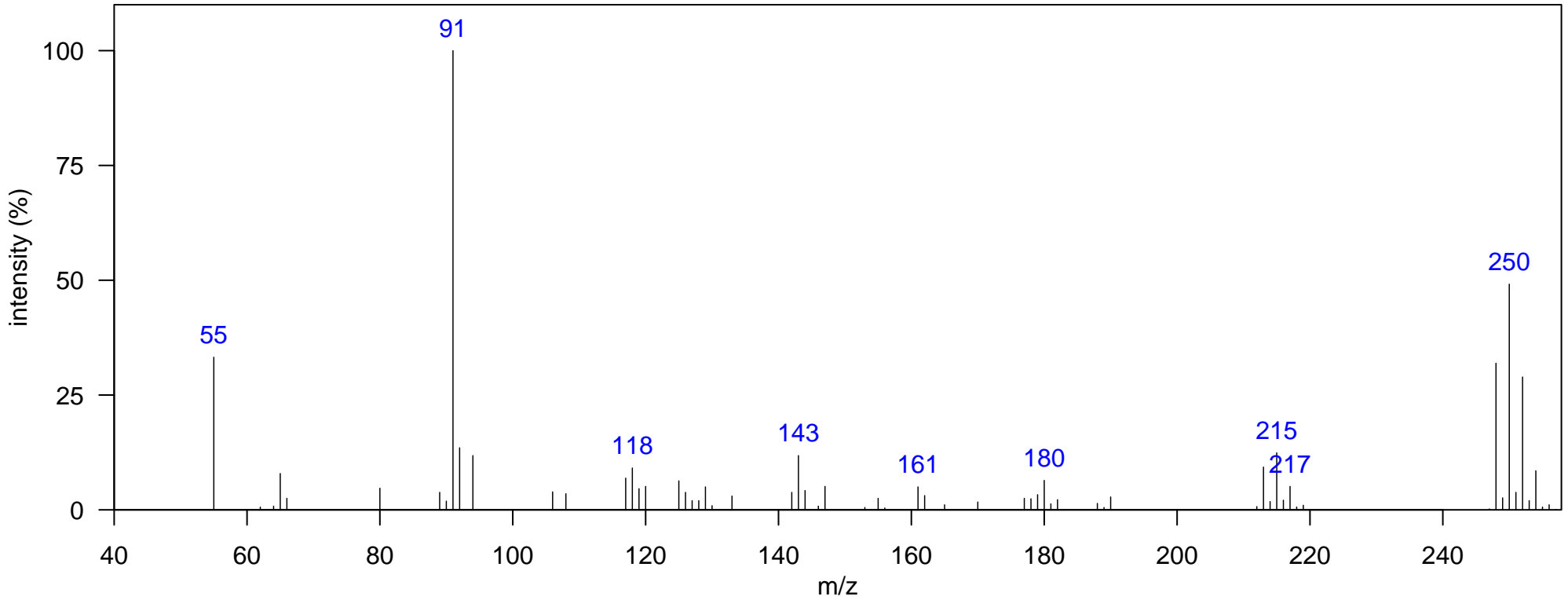
Name: pentachlorobenzene

Class: Chlorinated benzene

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 974.29, 1.096
Ecotype: offshore
Instrument: GCxGC-TOF, EI, 70 eV
Comment:

Quantitative Ion m/z: 250
Atlantic Lib:

Elemental Formula: C₆HCl₅
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]
213 [M-Cl] ⁺
248 M ⁺

Name: hexachlorobenzene

Class: Chlorinated benzene

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1107.21, 1.162

Elemental Formula: C₆Cl₆

Ecotype: coastal

Quantitative Ion m/z: 284

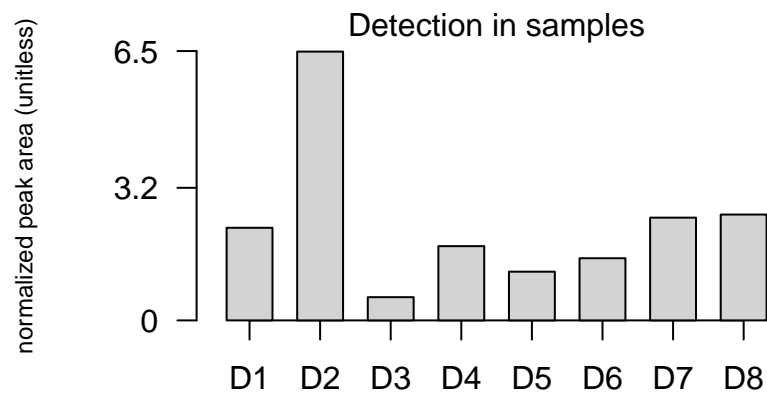
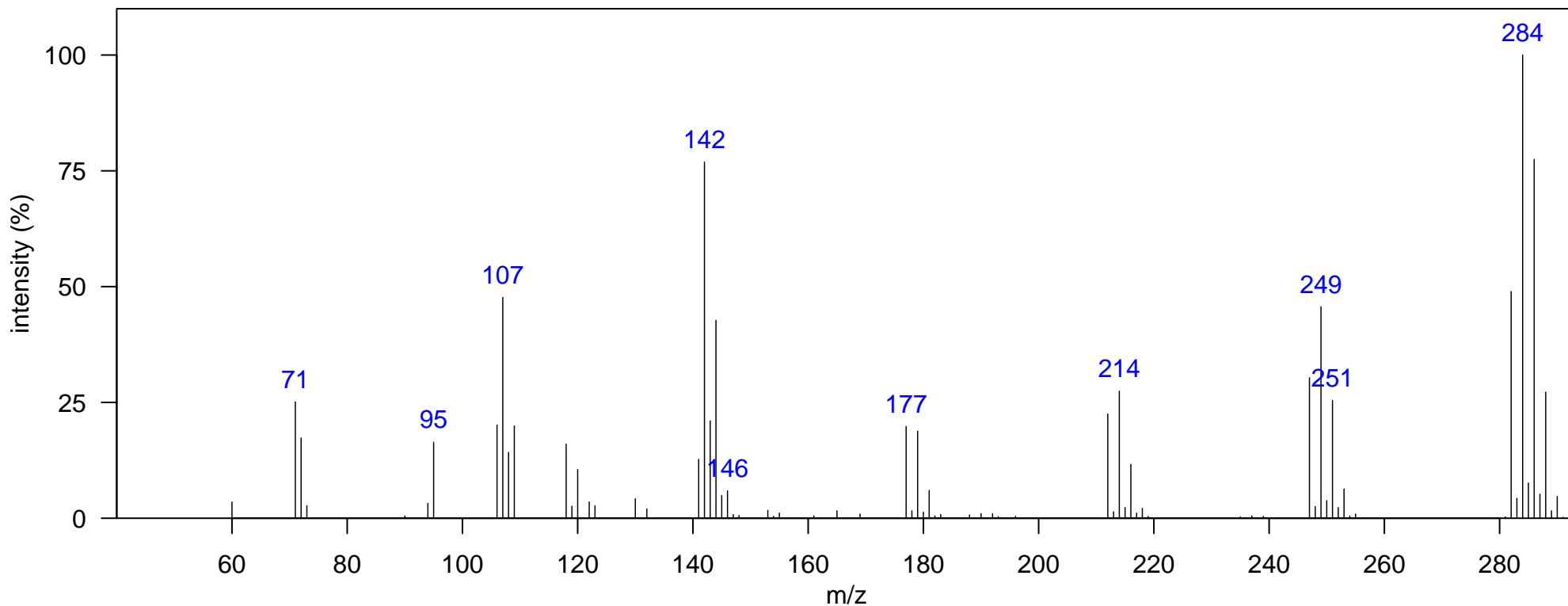
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: hexachlorobenzene

Identification: Authentic MS RT

Comment:



m/z [Fragment]
247 [M-Cl] ⁺
282 M ⁺

Name: cyclohexene 4Cl 1

Class: HCH-related

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 879.84, 1.115

Elemental Formula: C₆H₆Cl₄

Ecotype: coastal

Quantitative Ion m/z: 147

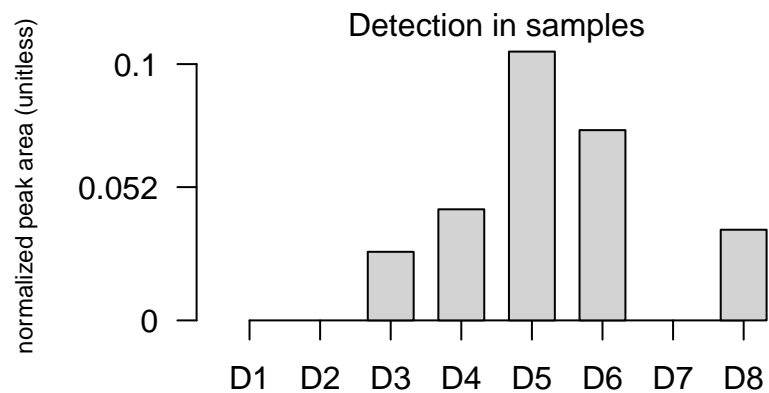
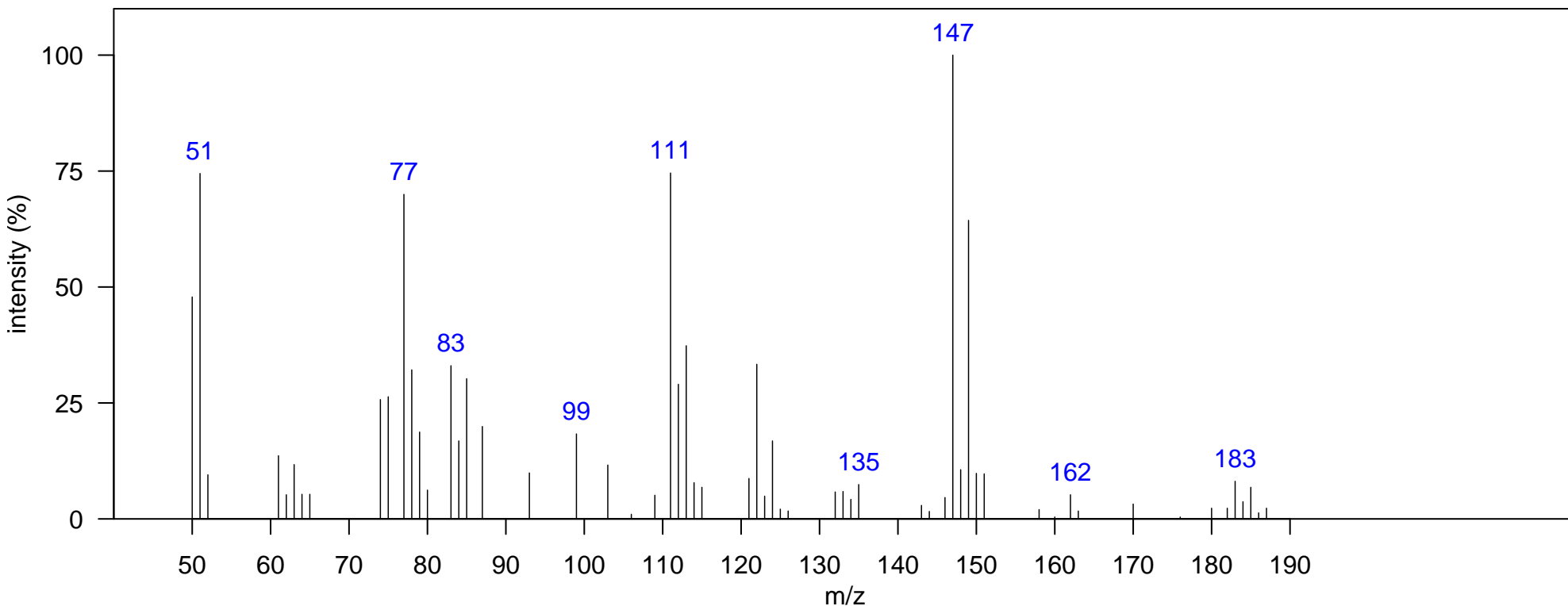
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Reference Database MS

Comment:



m/z [Fragment]
147 [M-HCl ₂] ⁺
183 [M-Cl] ⁺

Name: cyclohexene 4Cl 2

Class: HCH-related

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1128.2, 0.878

Elemental Formula: C₆H₆Cl₄

Ecotype: offshore

Quantitative Ion m/z: 147

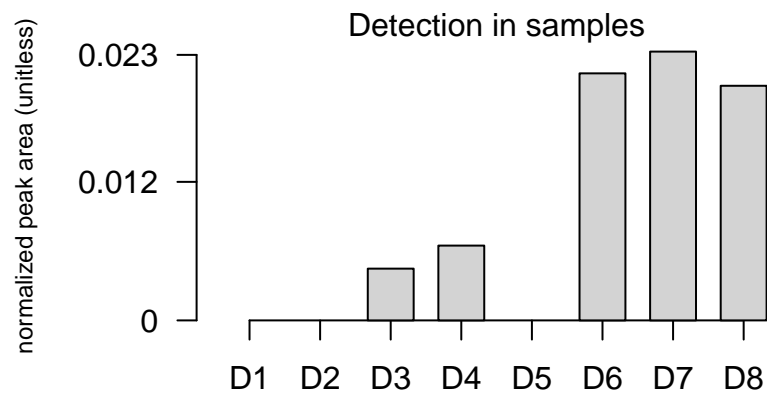
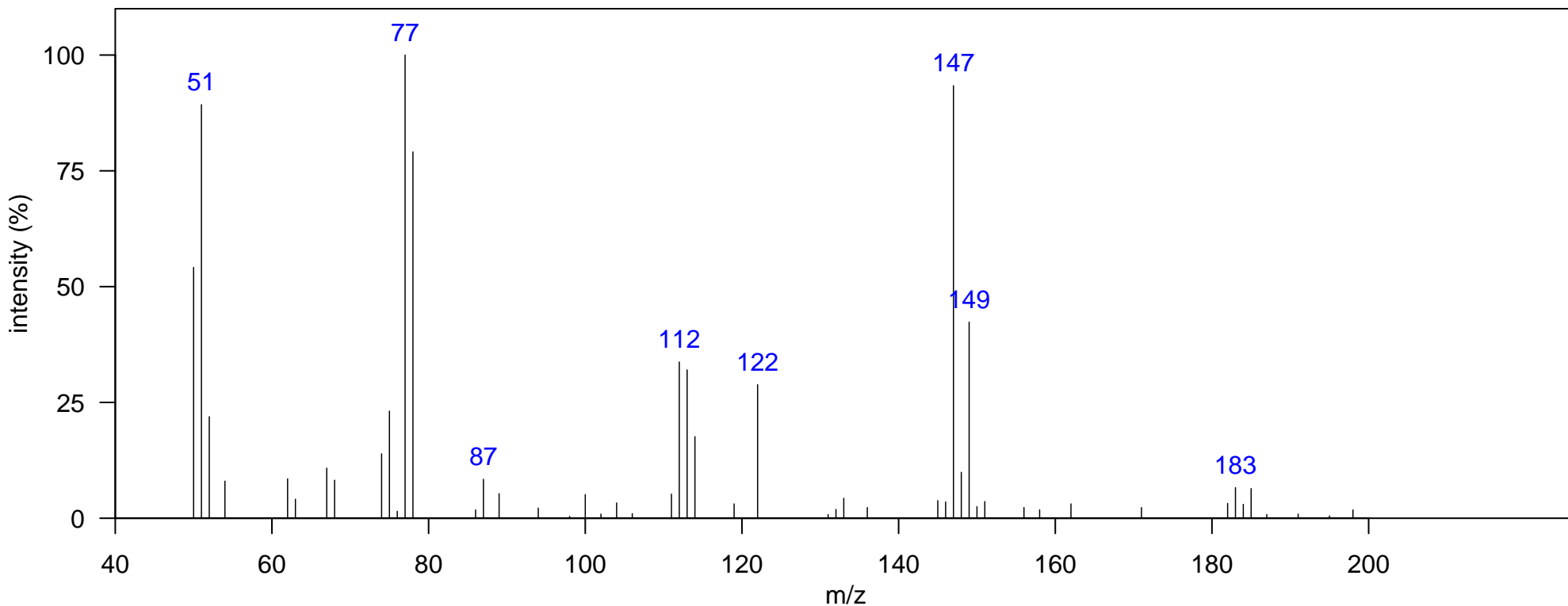
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Reference Database MS

Comment:



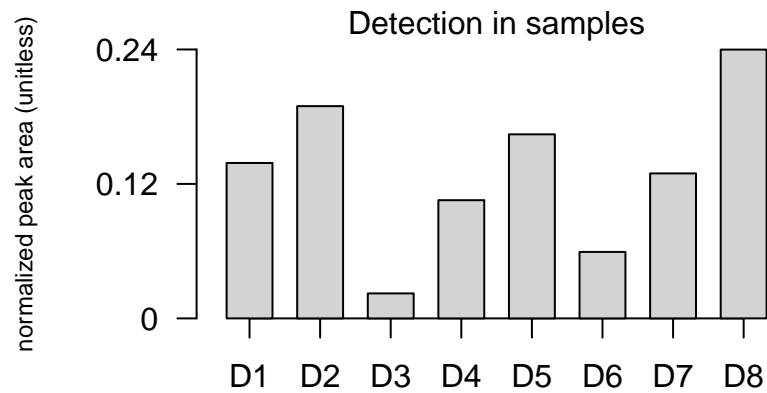
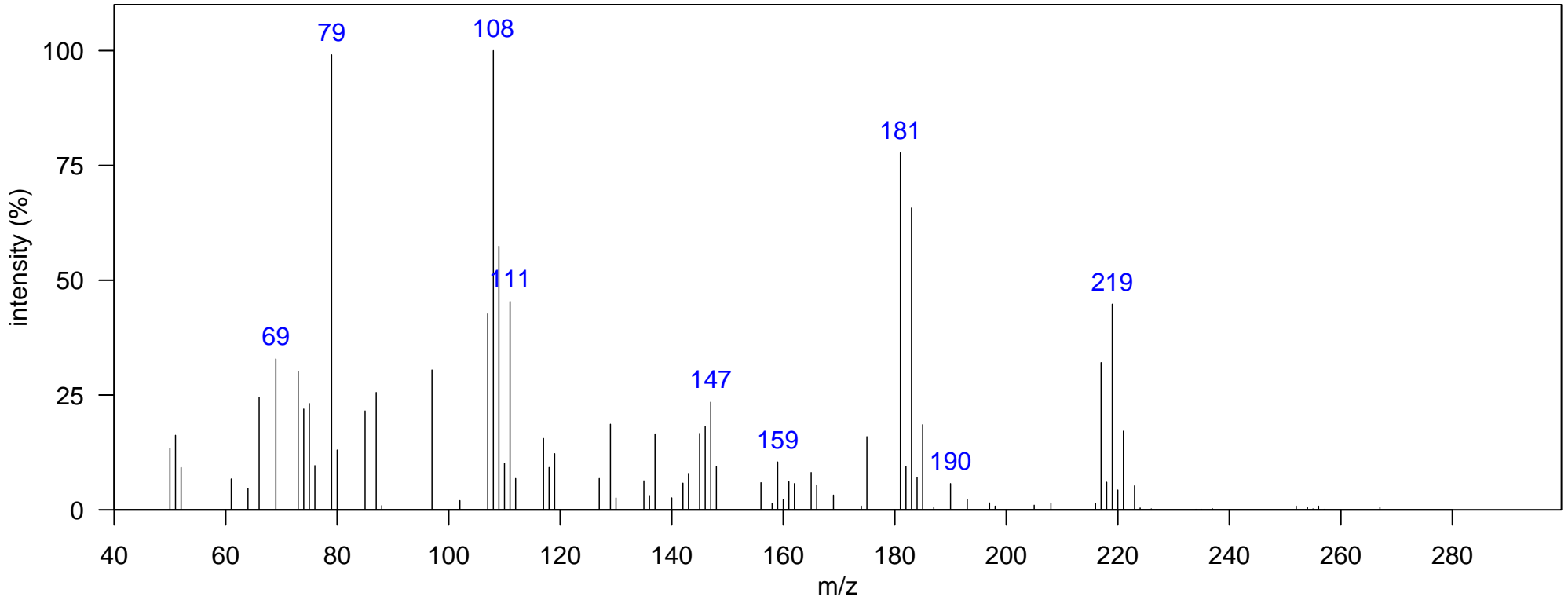
m/z [Fragment]
147 [M-HCl ₂] ⁺
183 [M-Cl] ⁺

Name: alpha BHC

Class: HCH-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1093.22, 1.214
Ecotype: coastal Quantitative Ion m/z: 219
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: HCH isomer 1
Comment:

Elemental Formula: C₆H₆Cl₆
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]
217 [M-HCl ₂] ⁺

Name: beta BHC

Class: HCH-related

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1131.7, 1.274

Elemental Formula: C₆H₆Cl₆

Ecotype: coastal

Quantitative Ion m/z: 219

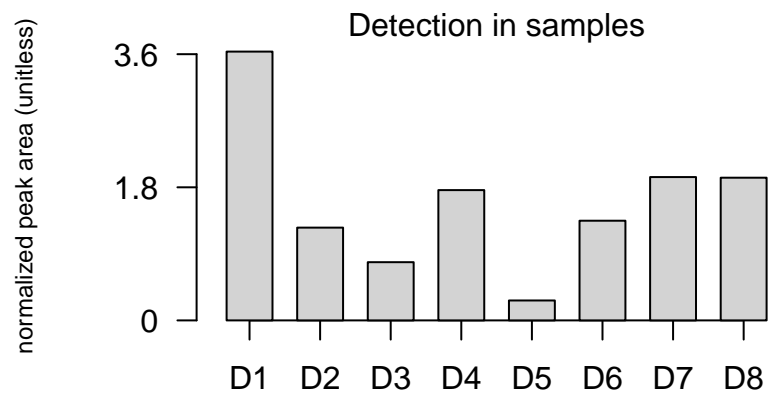
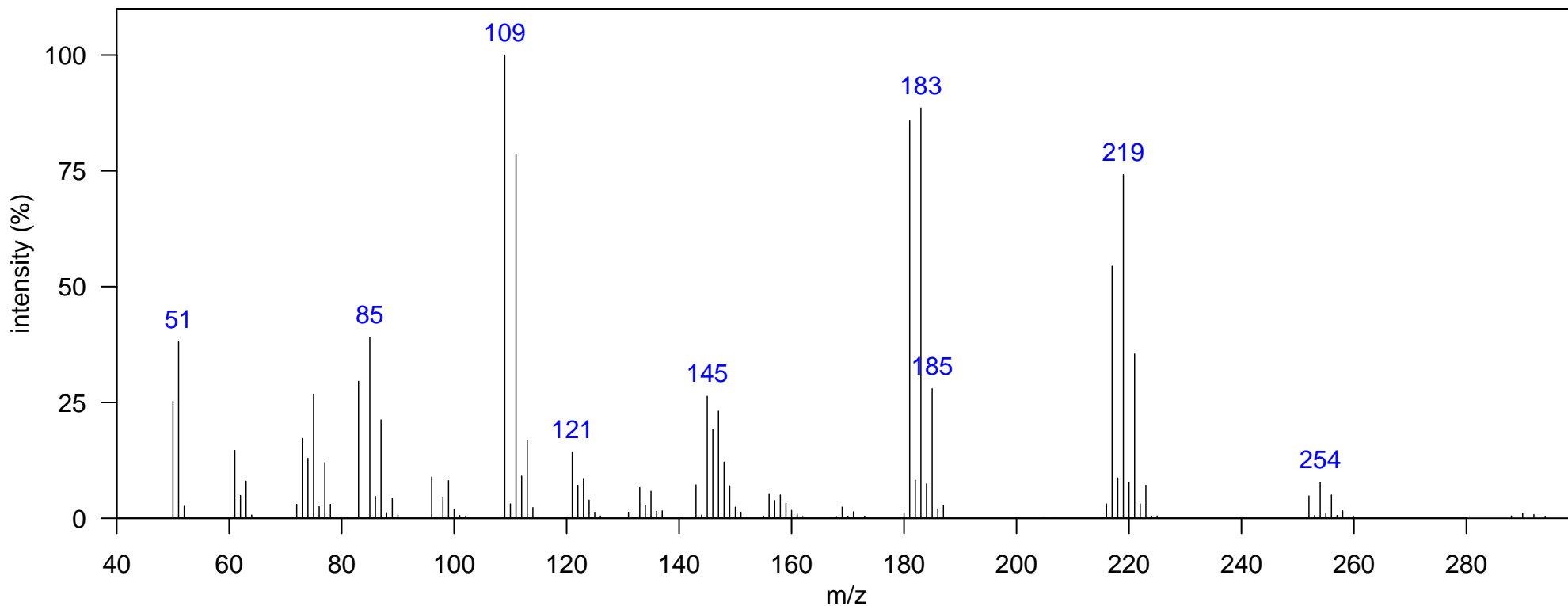
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: HCH isomer 2

Identification: Authentic MS RT

Comment:



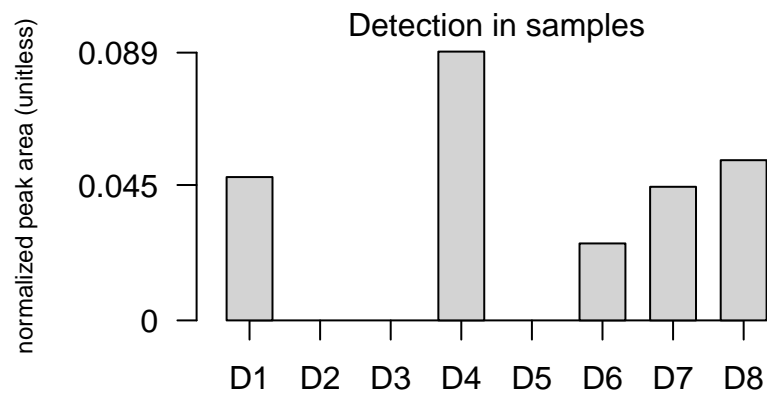
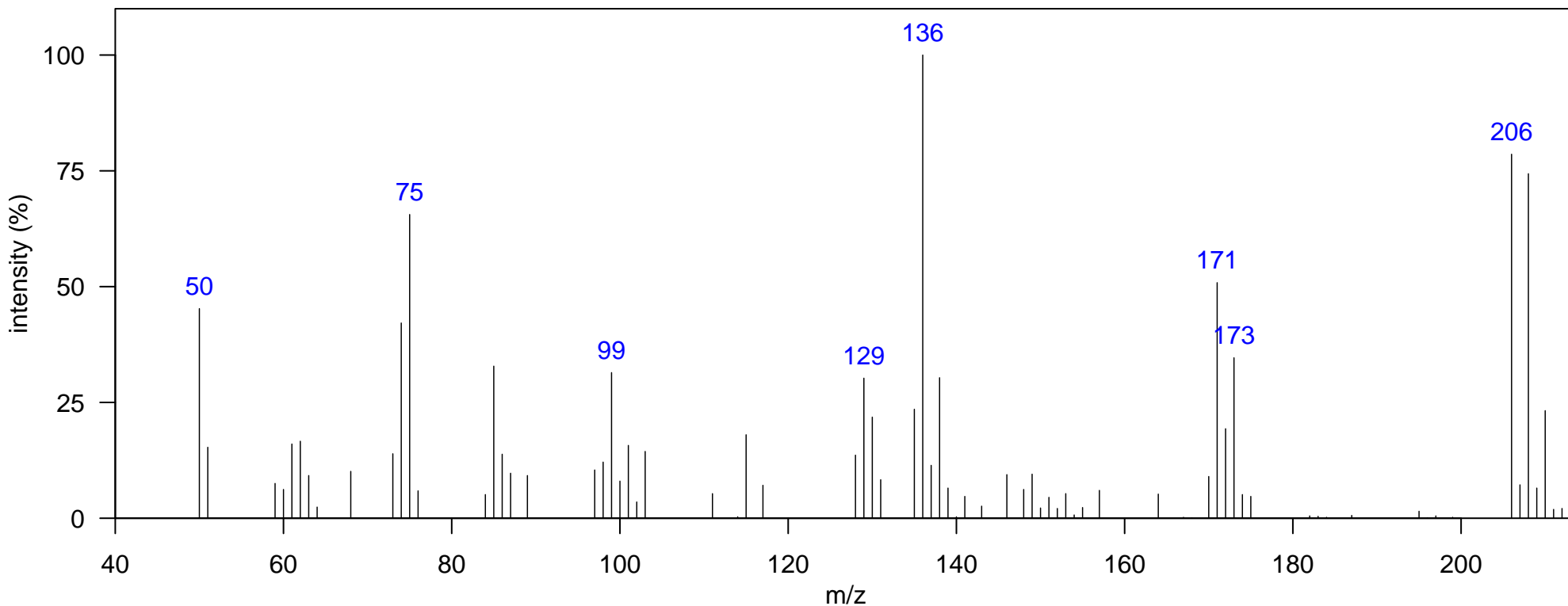
m/z [Fragment]
252 [M-HCl] ⁺

Name: ethenyl benzene 3Cl

Class: Chlorinated styrene

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 897.33, 1.063
Ecotype: offshore Quantitative Ion m/z: 206
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: trichlorostyrene (PCS)
Comment:

Elemental Formula: C₈H₅Cl₃
Source: anthropogenic
Identification: Reference Database MS



m/z [Fragment]
136 [M-Cl ₂] ⁺
171 [M-Cl] ⁺
206 M ⁺

Name: polychlorinated styrene 7Cl

Class: Chlorinated styrene

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1187.66, 1.155

Elemental Formula: C₈HCl₇

Ecotype: offshore

Quantitative Ion m/z: 344

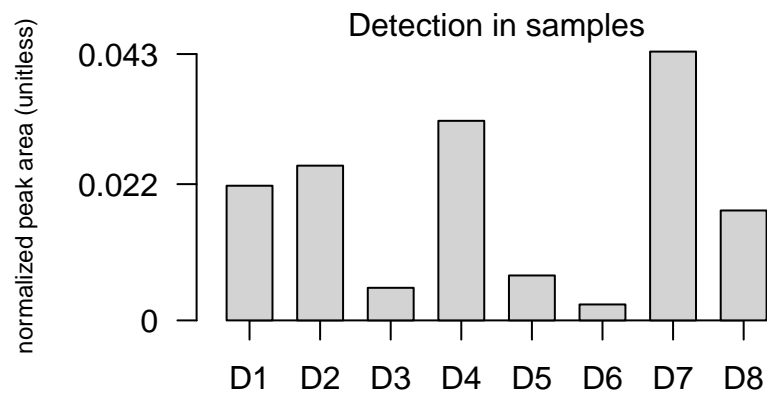
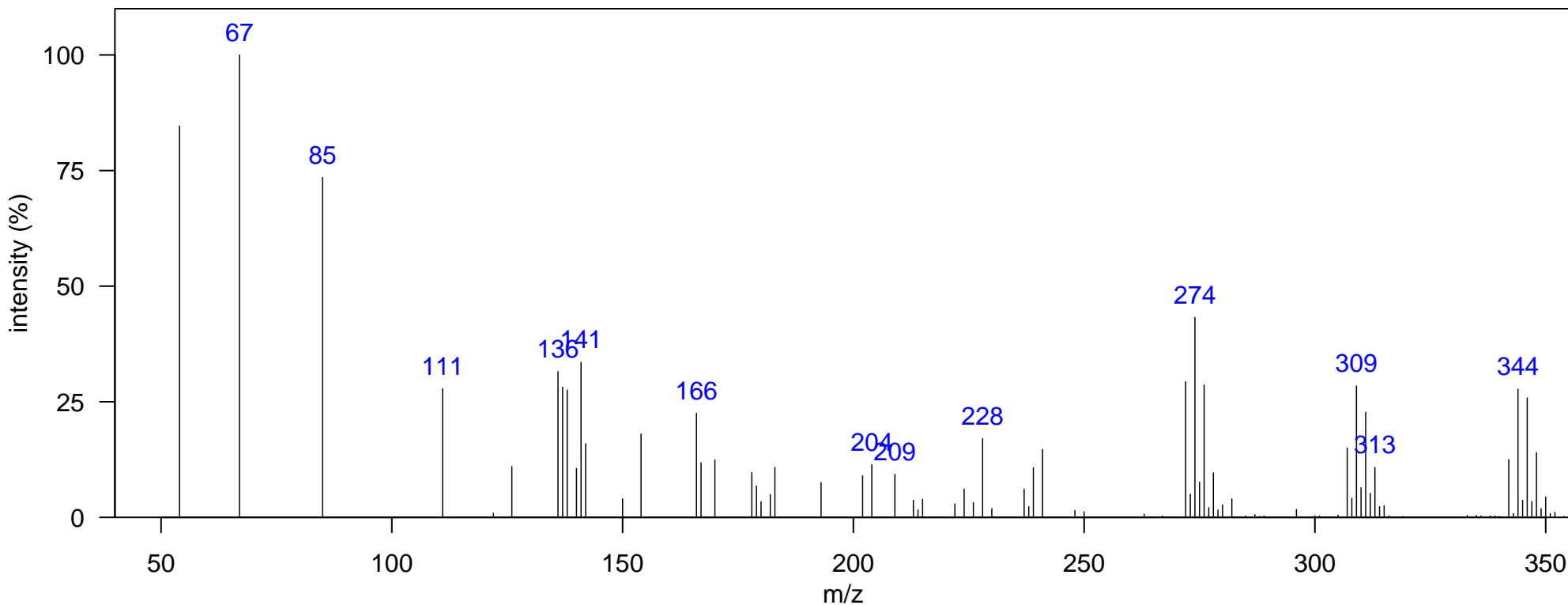
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: heptachlorostyrene (PCS)

Identification: Authentic MS

Comment:



m/z [Fragment]
307 [M-Cl] ⁺
342 M ⁺

Name: tris(2-chloroethyl)phosphate

Class: Chlorophosphate

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1121.2, 1.307

Elemental Formula: C₆H₁₂Cl₃O₄P

Ecotype: coastal

Quantitative Ion m/z: 249

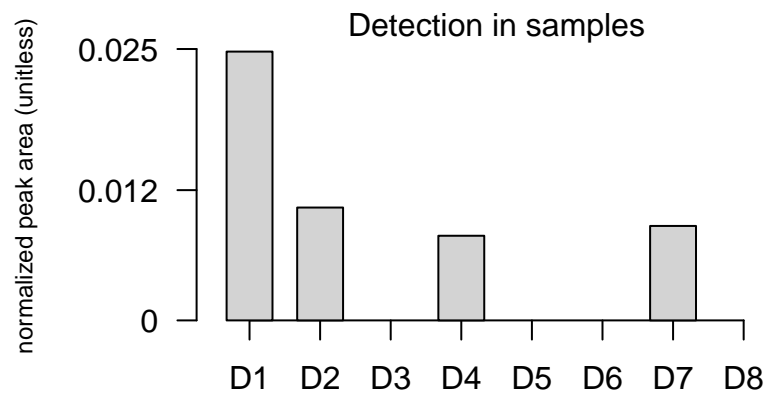
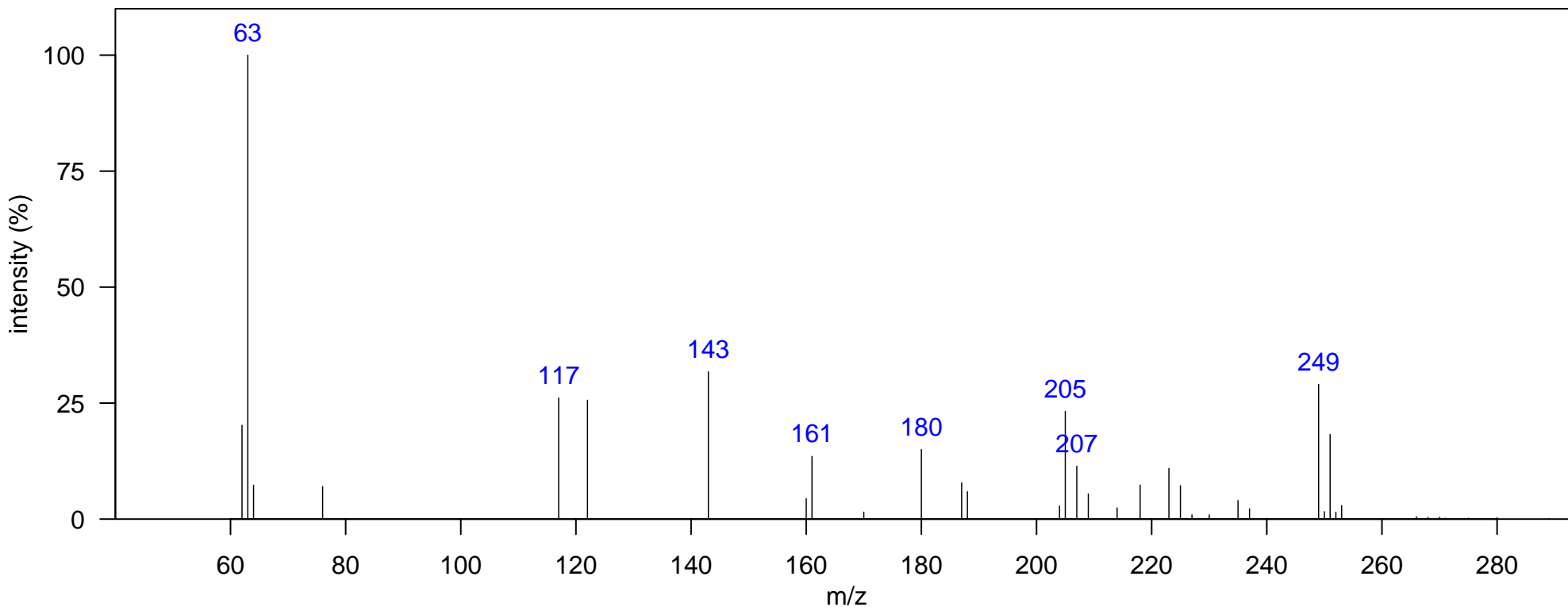
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS RT

Comment:



m/z [Fragment]
205 [M-CH ₂ CH ₂ Cl] ⁺
235 [M-CH ₂ Cl] ⁺
249 [M-Cl] ⁺

Name: pyrrolidinecarbonyl chloride

Class: Pyrrolidinecarbonyl chloride

Sample: SoCal dolphin blubber D8, KXD0003 1D RT, 2D RT (s): 694.45, 1.115

Elemental Formula: C₅H₈ClNO

Ecotype: coastal

Quantitative Ion m/z: 133

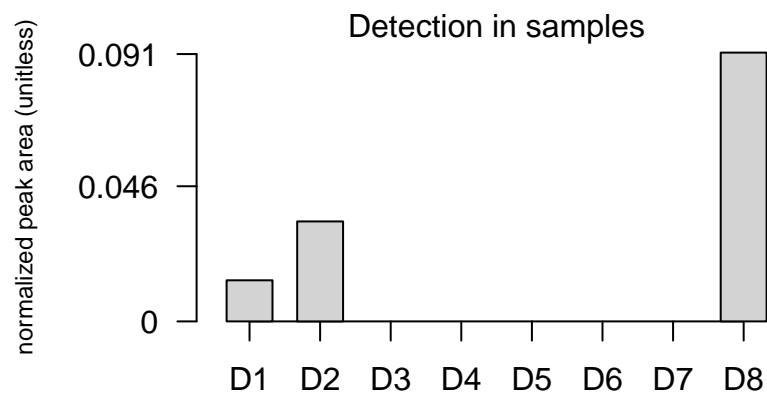
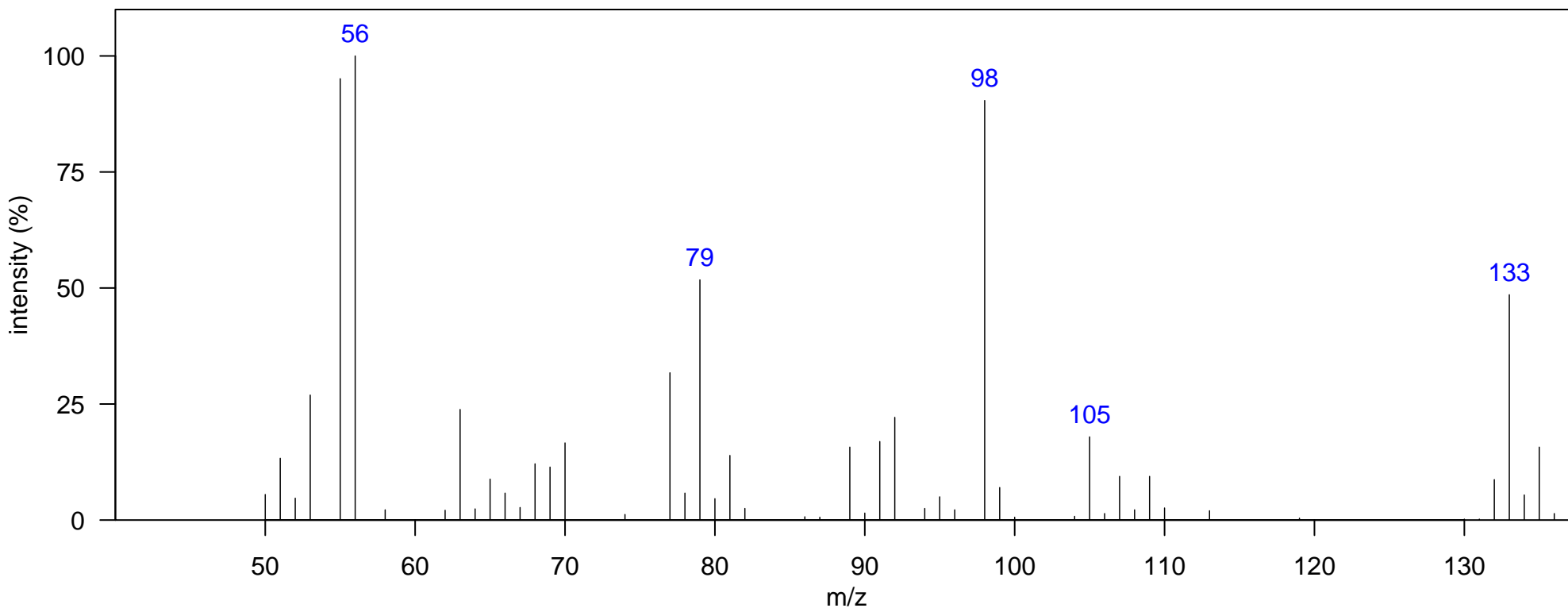
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Reference Database MS

Comment:



m/z [Fragment]
98 [M-Cl] ⁺
133 M ⁺

Name: 4,4'-dichlorobenzophenone

Class: Dichlorobenzophenone

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1268.12, 1.287

Elemental Formula: C₁₃H₈Cl₂O

Ecotype: coastal

Quantitative Ion m/z: 139

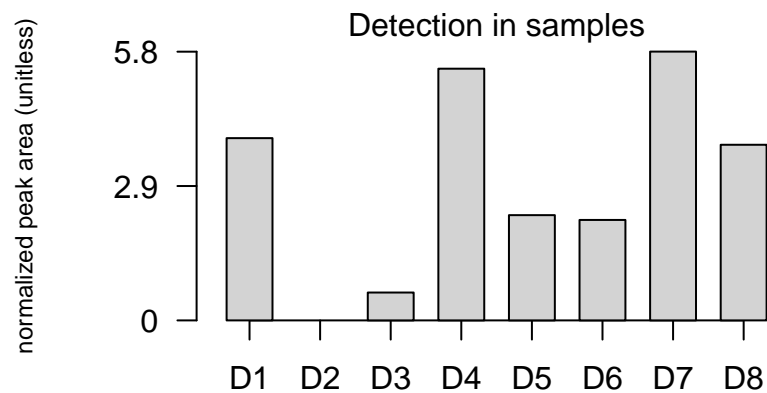
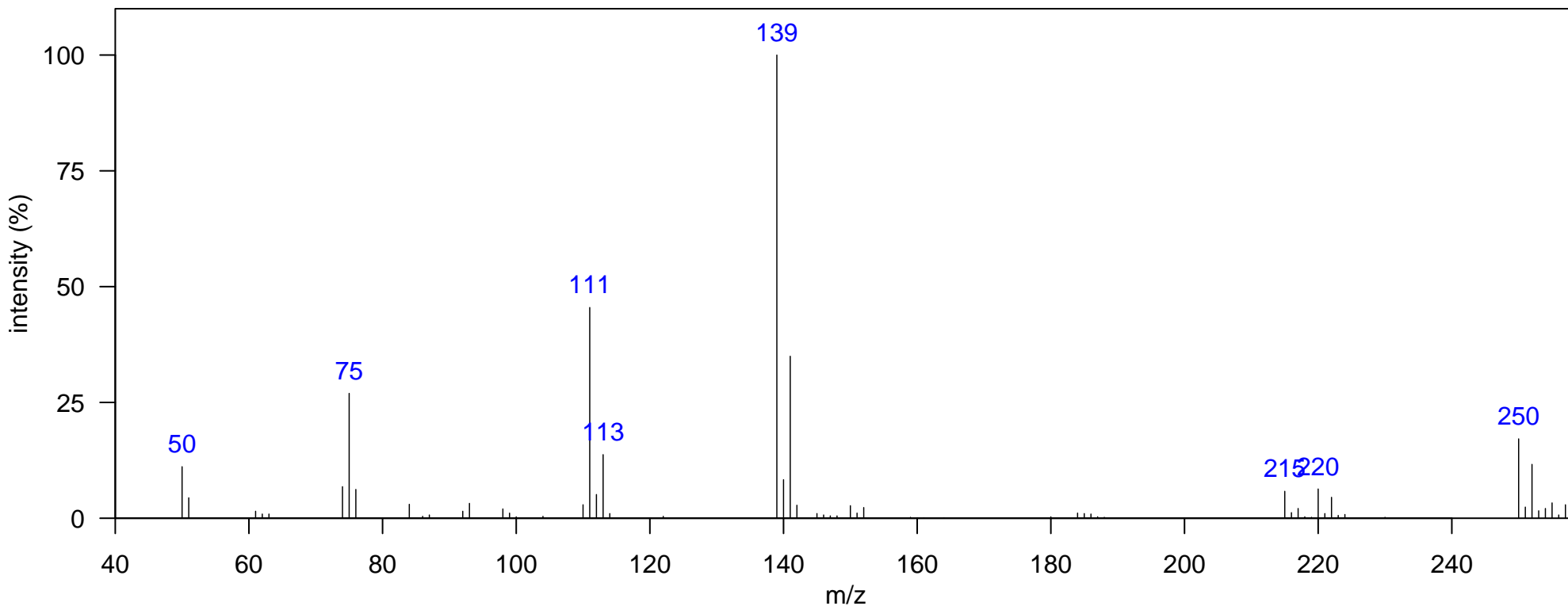
Source: anthropogenic

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS RT

Comment:



m/z [Fragment]
111 [M-C ₆ H ₄ Cl-CO] ⁺
139 [M-C ₆ H ₄ Cl] ⁺
250 M ⁺

Name: di-MeOPBB-80

Class: MeO-PBB

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1586.44, 1.729

Elemental Formula: C₁₄H₁₀Br₄O₂

Ecotype: coastal

Quantitative Ion m/z: 530

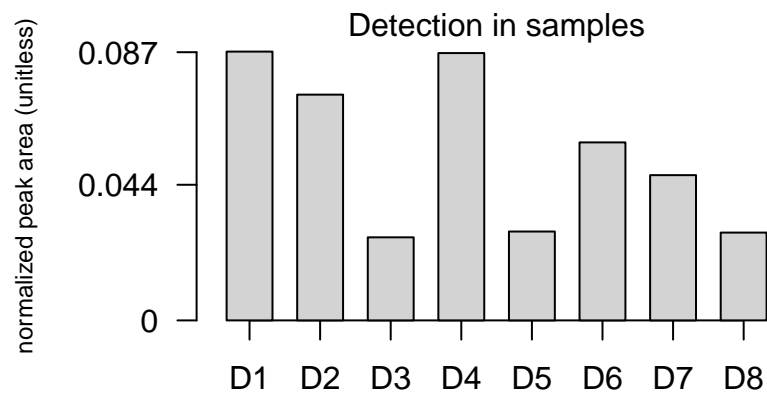
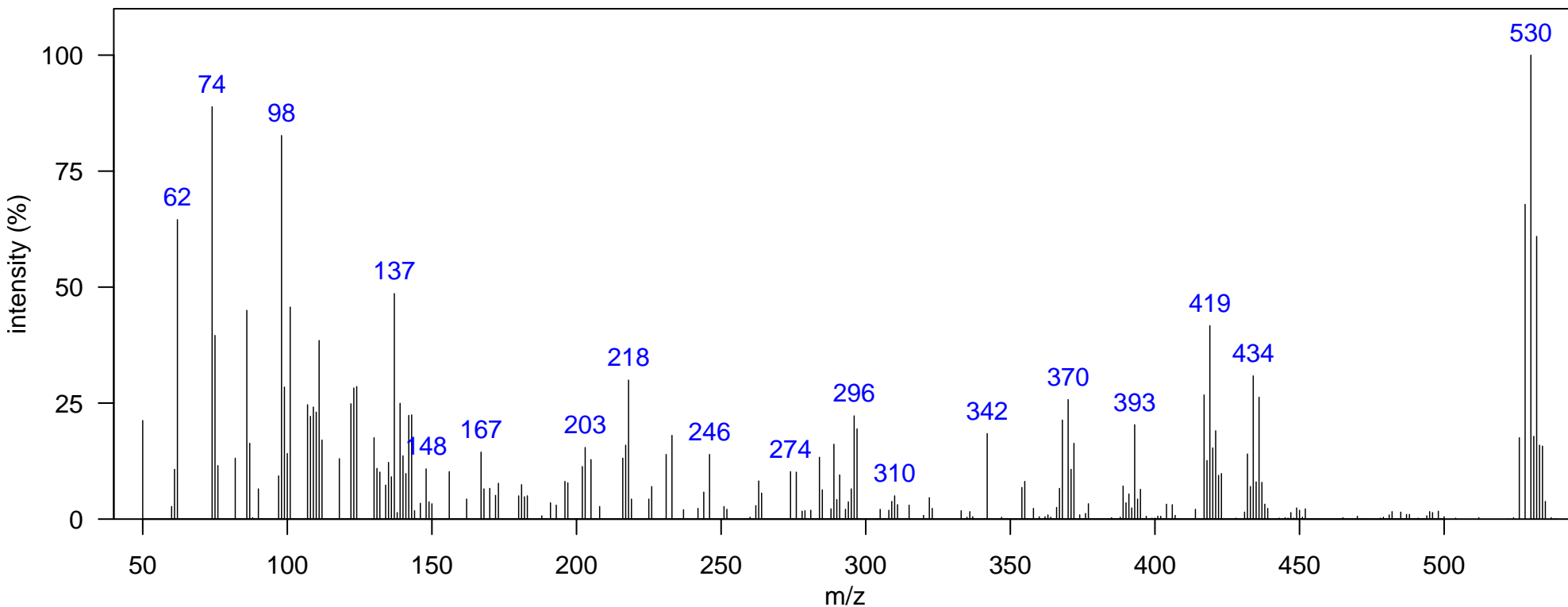
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: 2MeO-BB-80

Identification: Authentic MS RT

Comment: 2,2,4,4-dimethoxy-3,3,5,5-tetrabromobiphenyl



m/z [Fragment]
417 [M-CH ₃ -CH ₃ -Br] ⁺
432 [M-CH ₃ -Br] ⁺
526 M ⁺

Name: MeOBCDE Br3Cl

Class: MeO-B/CDE

Sample: SoCal dolphin blubber D2, DSJ2195

1D RT, 2D RT (s): 1554.95, 1.657

Elemental Formula: C₁₃H₈Br₃ClO₂

Ecotype: offshore

Quantitative Ion m/z: 472

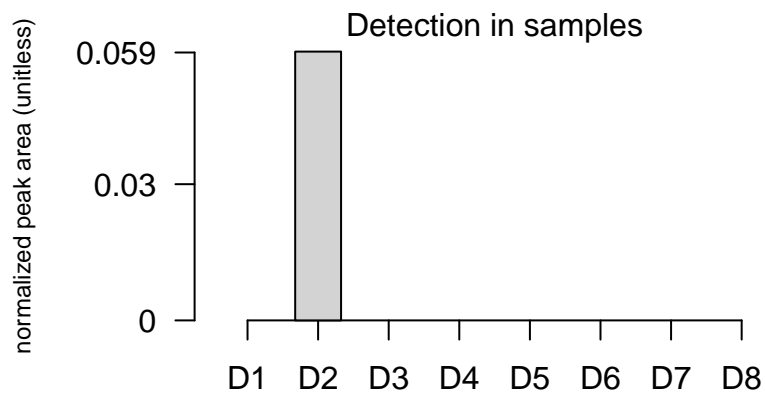
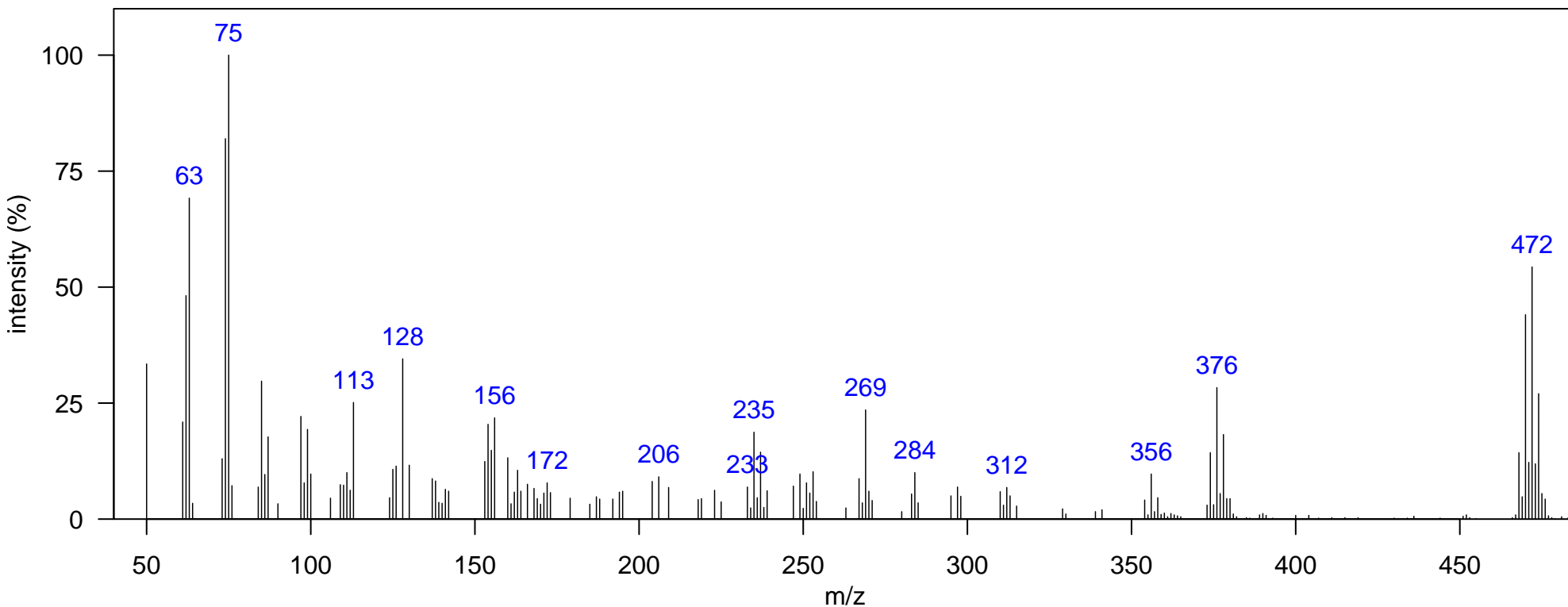
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: methoxy diphenyl ether Br3Cl

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
354 [M-BrCl] ⁺
374 [M-Br-CH ₃] ⁺
468 M ⁺

Name: MeOBDE 3Br

Class: MeO-BDE

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1460.51, 1.564

Elemental Formula: C₁₃H₉Br₃O₂

Ecotype: coastal

Quantitative Ion m/z: 438

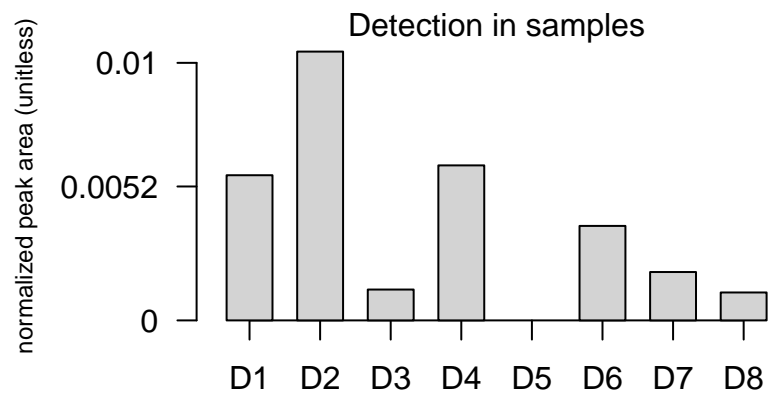
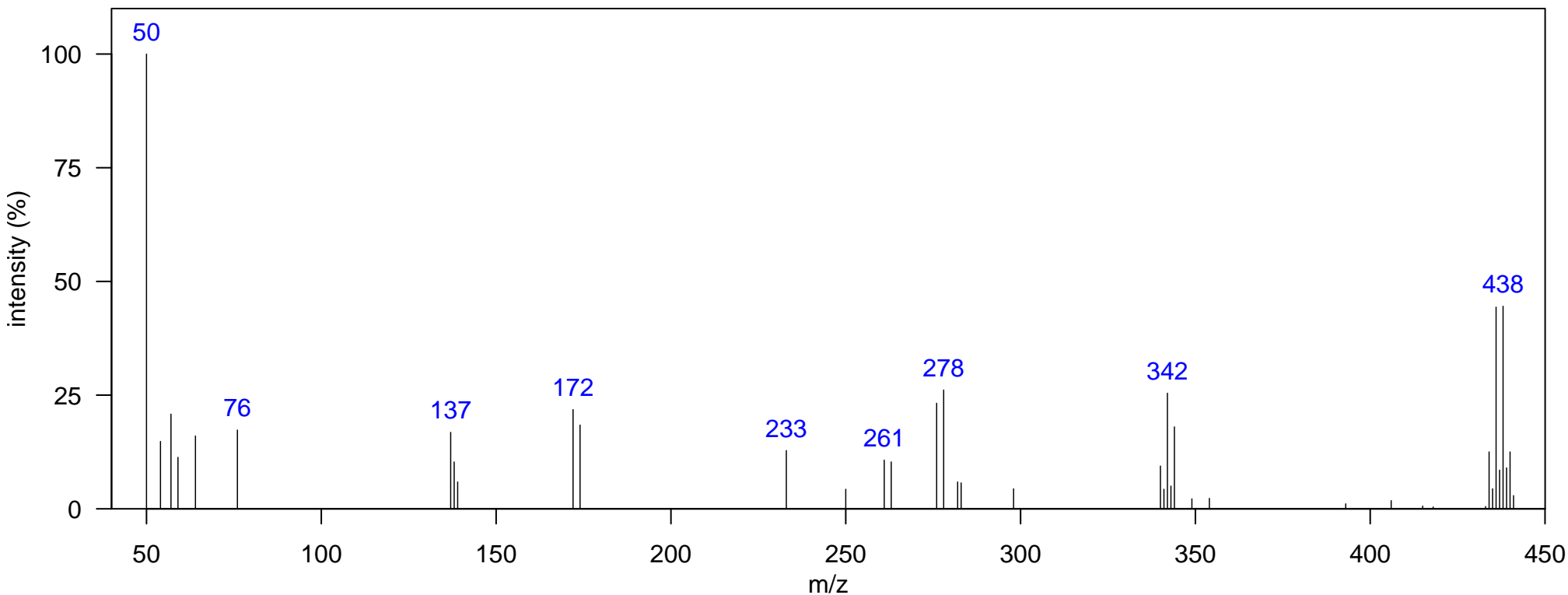
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MeO-BDE 3Br

Identification: Authentic MS

Comment:



m/z [Fragment]
276 [M-Br ₂] ⁺
340 [M-Br-CH ₃] ⁺
434 M ⁺

Name: MeOBDE 4Br

Class: MeO-BDE

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1565.45, 1.723

Elemental Formula: C₁₃H₈Br₄O₂

Ecotype: offshore

Quantitative Ion m/z: 516

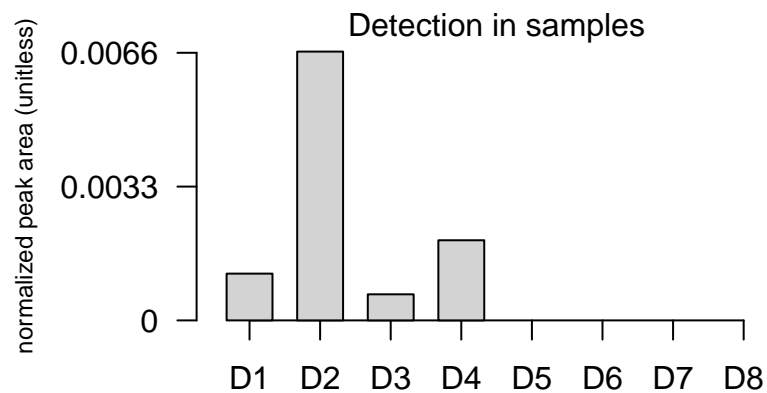
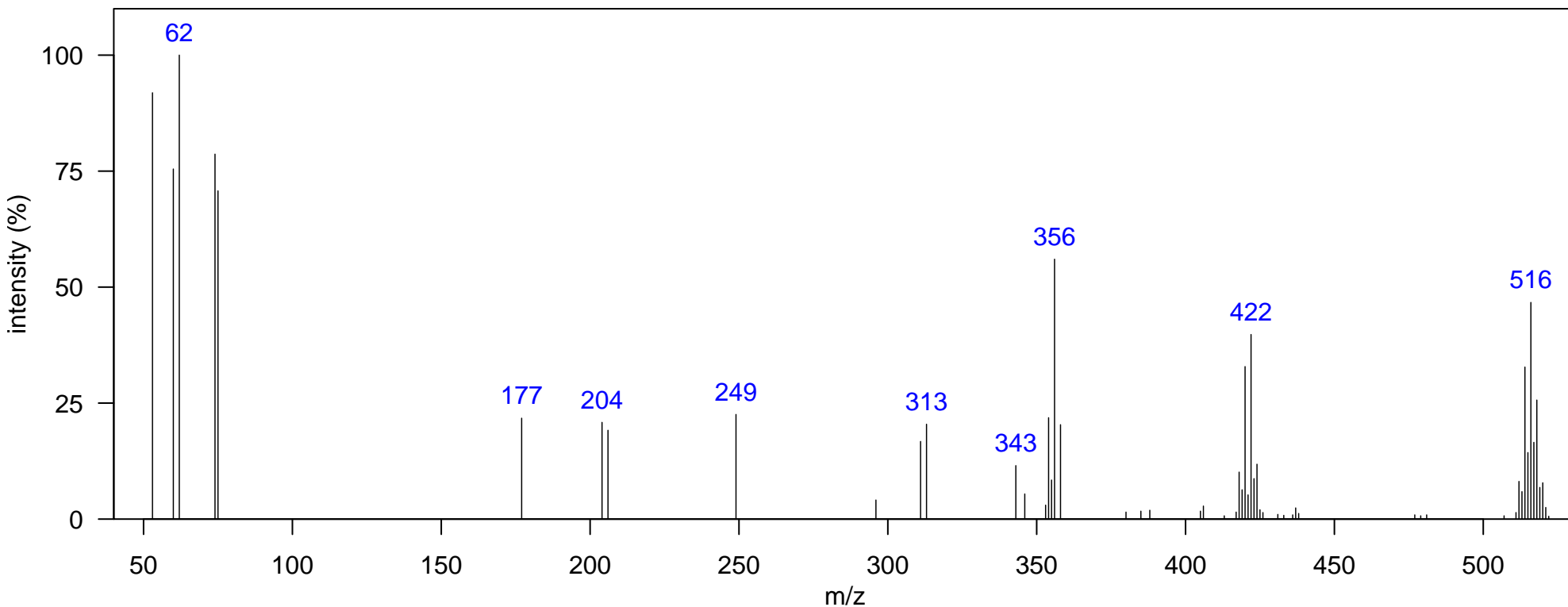
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MeO-BDE 4Br

Identification: Authentic MS

Comment:



m/z [Fragment]
418 [M-Br-CH ₃] ⁺
512 M ⁺

Name: 2'-MeOBDE-68

Class: MeO-BDE

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1579.44, 1.736

Elemental Formula: C₁₃H₈Br₄O₂

Ecotype: coastal

Quantitative Ion m/z: 516

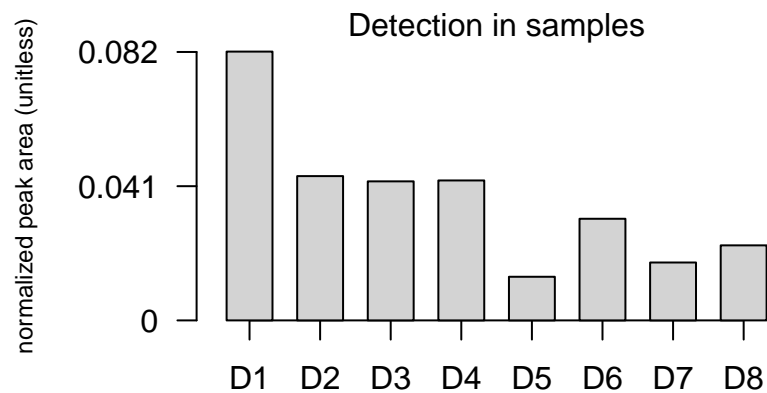
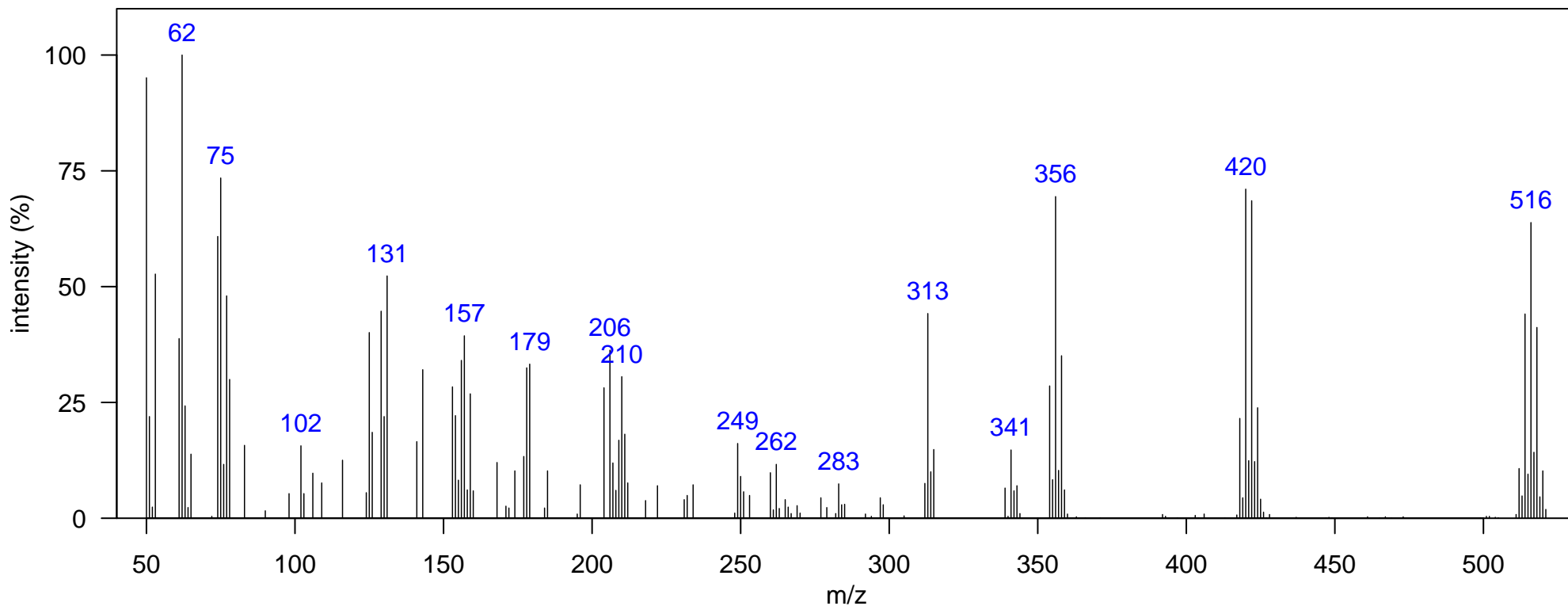
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MeO-BDE 4Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
354 [M-Br ₂]
418 [M-Br-CH ₃] ⁺
512 M ⁺

Name: 6-MeOBDE-47

Class: MeO-BDE

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1600.43, 1.921

Elemental Formula: C₁₃H₈Br₄O₂

Ecotype: coastal

Quantitative Ion m/z: 516

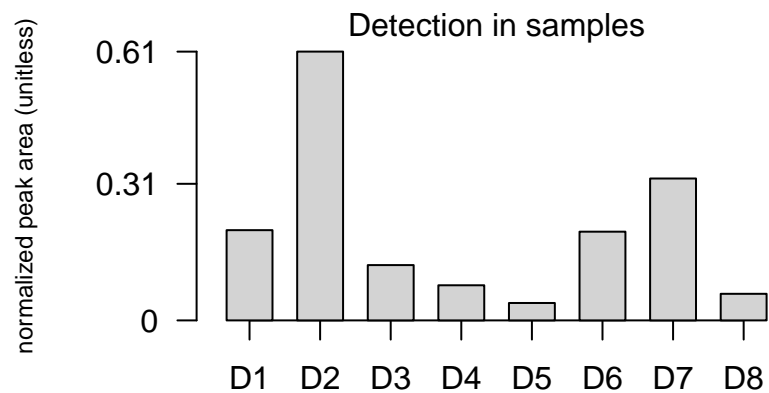
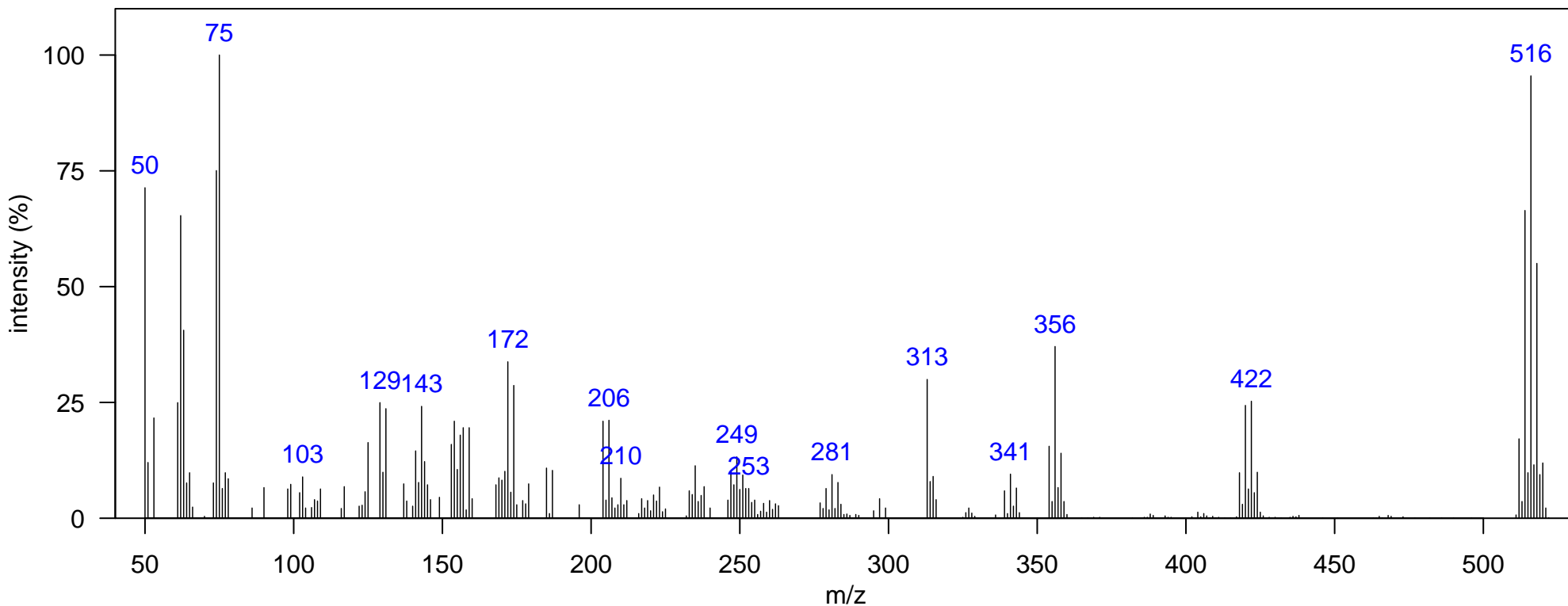
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MeO-BDE 4Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
354 [M-Br ₂]
418 [M-Br-CH ₃] ⁺
512 M ⁺

Name: 6'-MeOBDE-99

Class: MeO-BDE

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1729.85, 2.165

Elemental Formula: C₁₃H₇Br₅O₂

Ecotype: coastal

Quantitative Ion m/z: 596

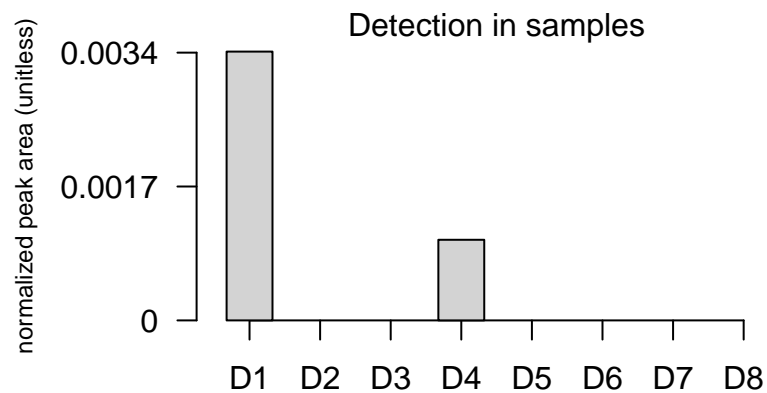
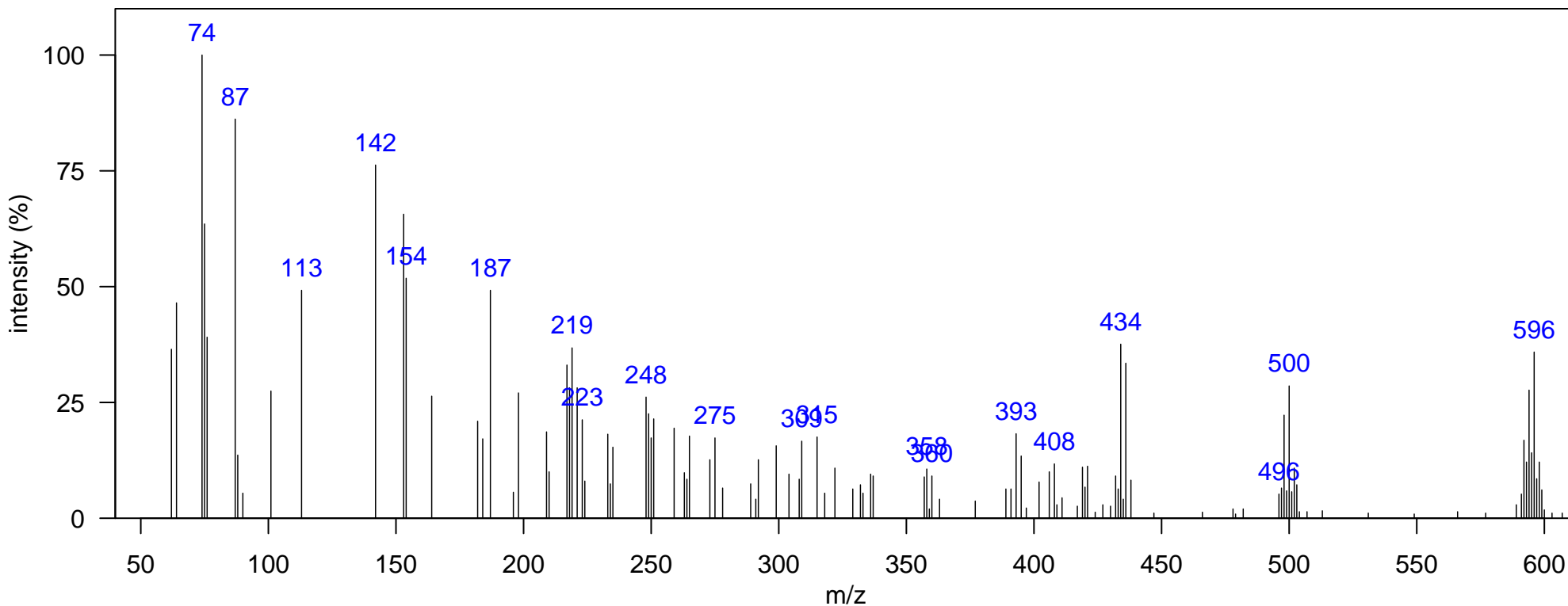
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MeO-BDE 5Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
432 [M-Br ₂] ⁺
496 [M-Br-CH ₃] ⁺
590 M ⁺

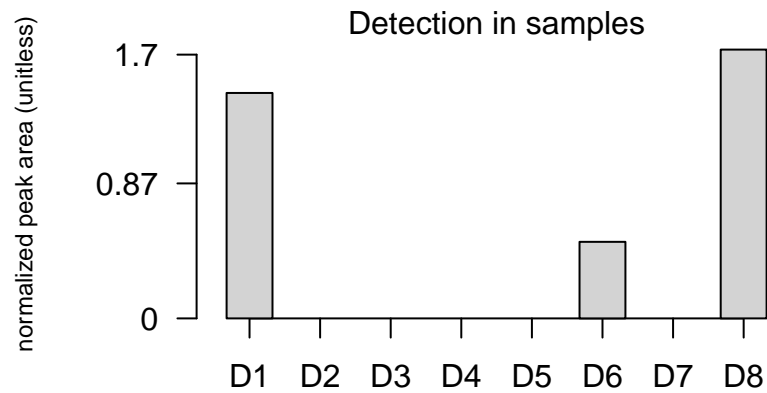
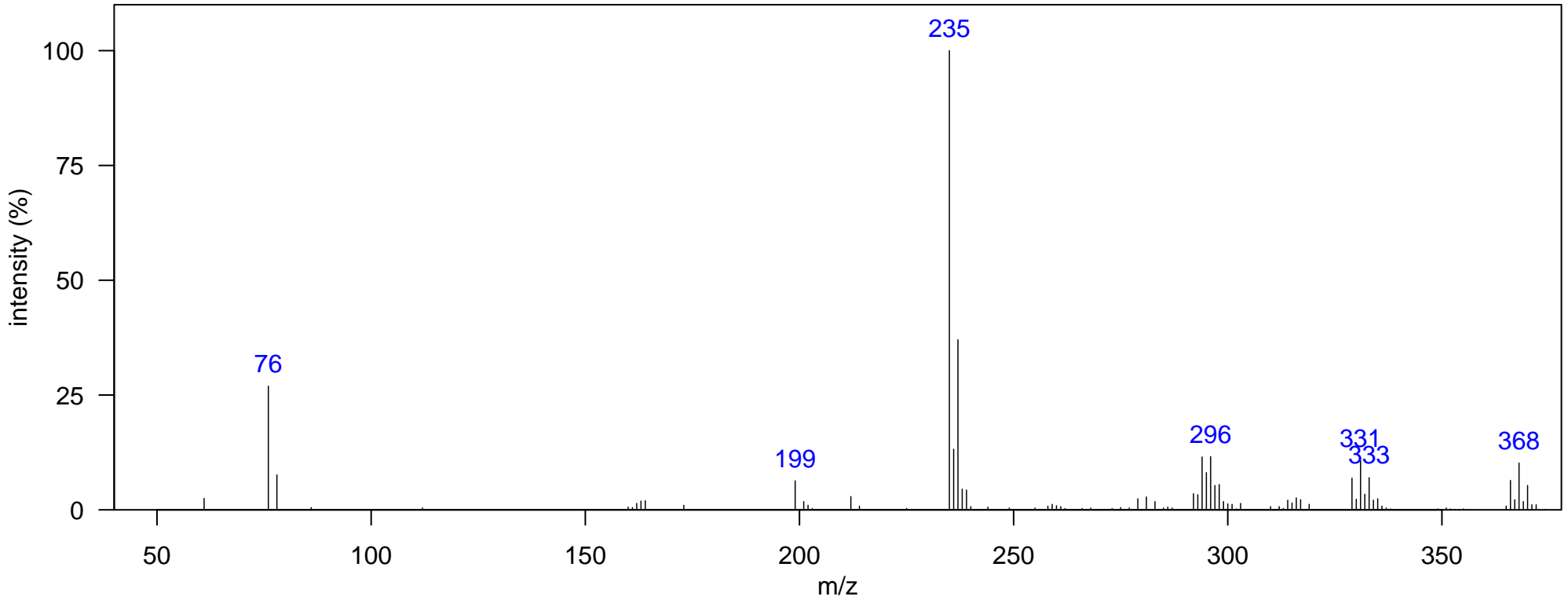
Name: DMBP 6Cl

Class: DMBP

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1415.03, 1.373
Ecotype: coastal
Instrument: GCxGC-TOF, EI, 70 eV
Comment: DDD coelution

Quantitative Ion m/z: 366
Atlantic Lib:

Elemental Formula: C₁₀H₆Cl₆N₂
Source: natural
Identification: Authentic MS RT



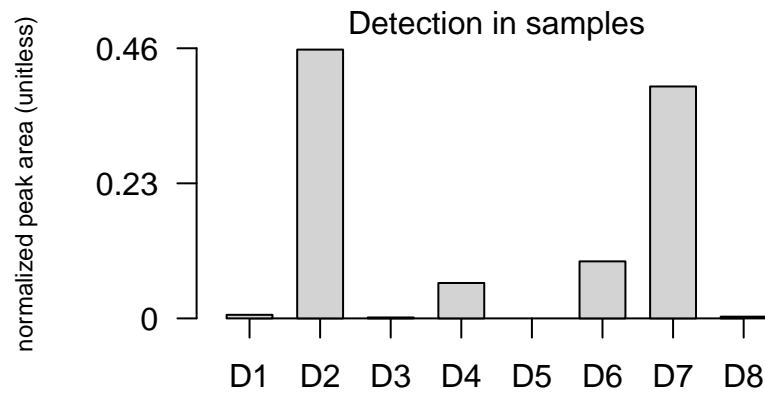
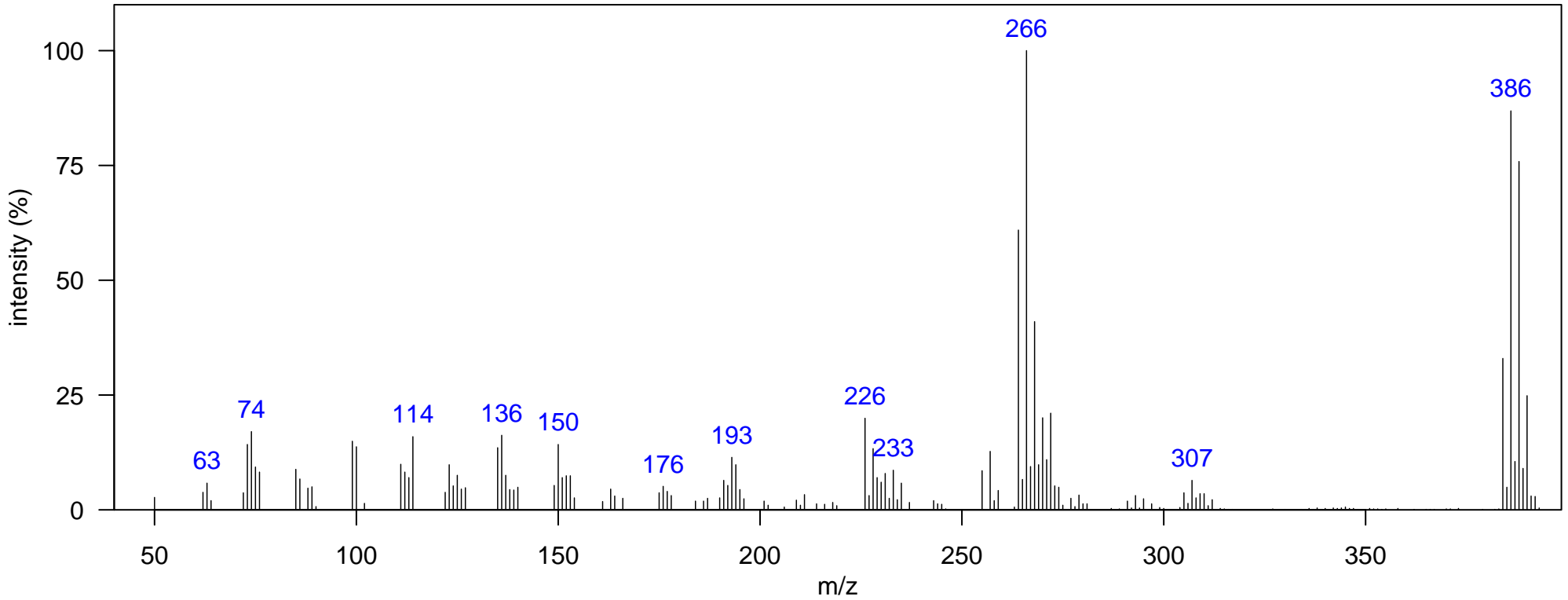
m/z [Fragment]
294 [M-Cl ₂] ⁺
329 [M-Cl] ⁺
364 M ⁺

Name: DMBP Br2Cl2 1

Class: DMBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1275.11, 1.247
Ecotype: offshore Quantitative Ion m/z: 388
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula: C10H8Cl2Br2N2
Source: natural
Identification: Manual-Congener Group



m/z [Fragment]
226 [M-Br ₂] ⁺
264 [M-BrCNCH ₃] ⁺
384 M ⁺

Name: DMBP Br2Cl3

Class: DMBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1390.55, 1.353

Elemental Formula: C10H7Cl3Br2N2

Ecotype: offshore

Quantitative Ion m/z: 422

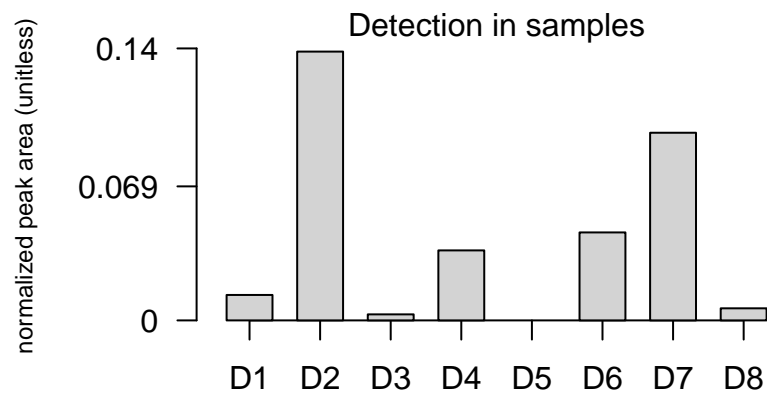
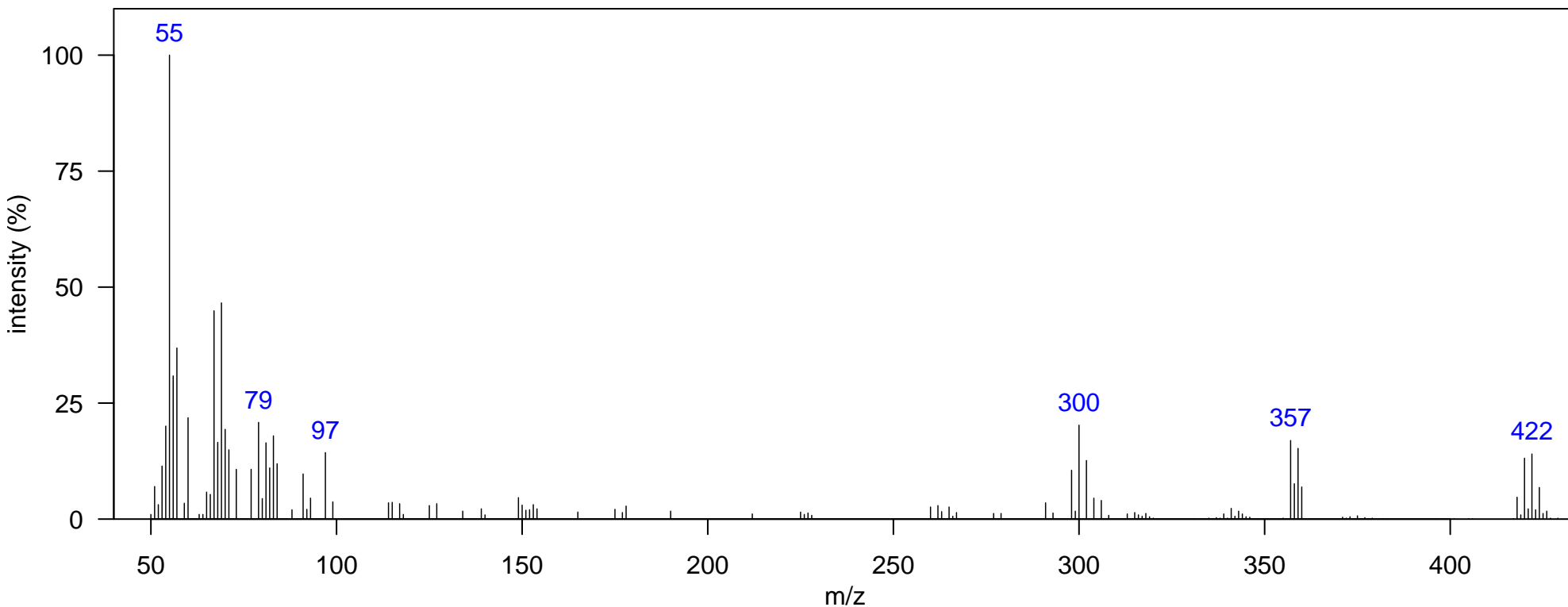
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
298 [M-BrCNCH3]+
418 M+

Name: DMBP Br2Cl4

Class: DMBP

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1491.99, 1.459

Elemental Formula: C10H6Cl4Br2N2

Ecotype: offshore

Quantitative Ion m/z: 458

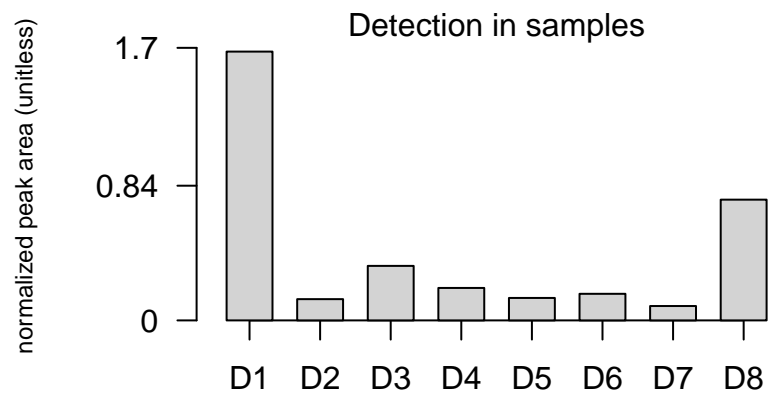
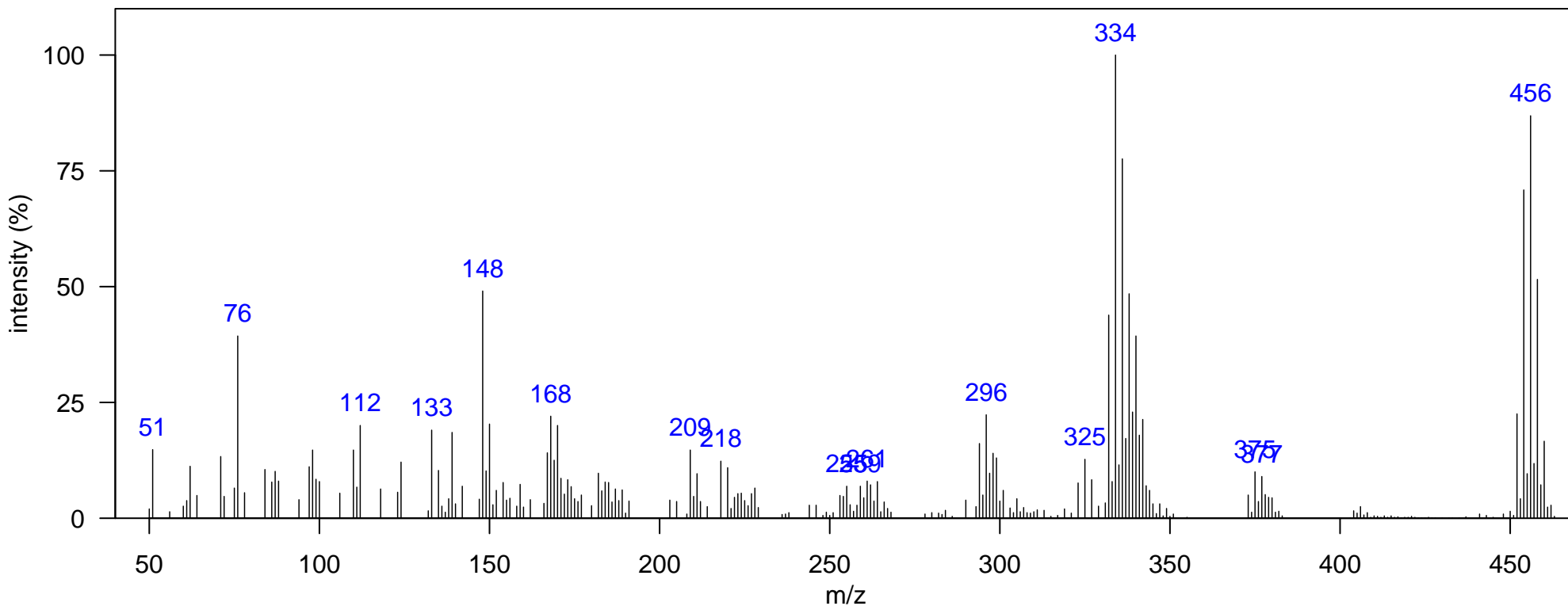
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DMBP Br2Cl4

Identification: Authentic MS RT

Comment:



m/z [Fragment]
332 [M-BrCNCH3]+
452 M+

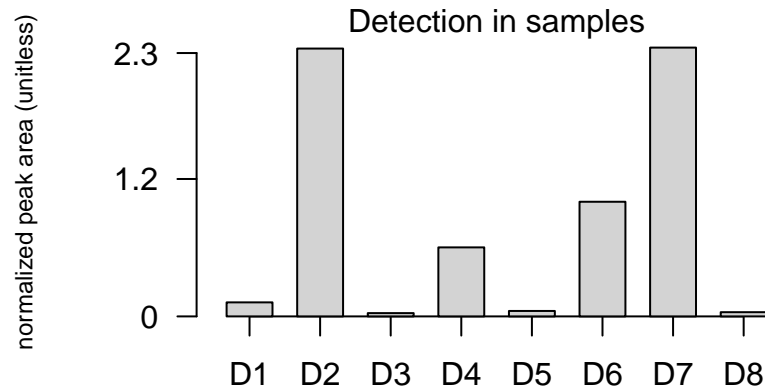
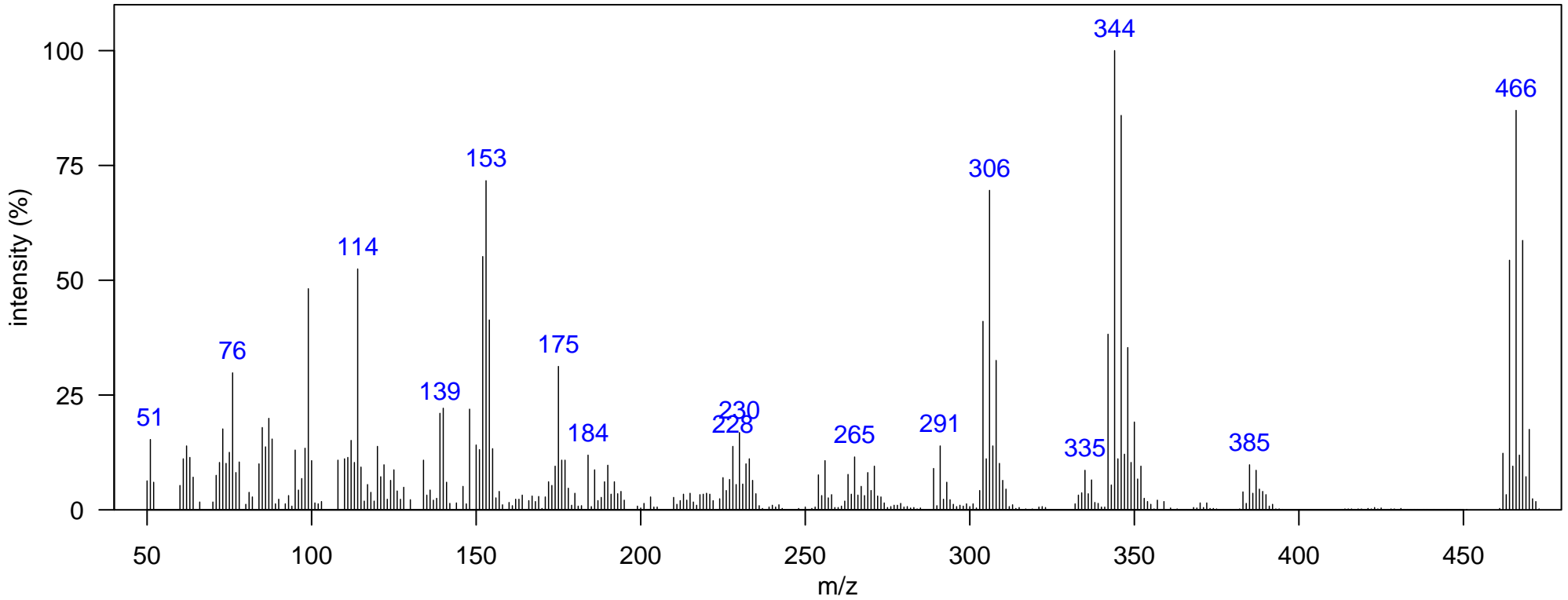
Name: DMBP Br3Cl2 1

Class: DMBP

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1436.02, 1.426
Ecotype: offshore
Instrument: GCxGC-TOF, EI, 70 eV
Comment:

Quantitative Ion m/z: 466
Atlantic Lib: DMBP Br3Cl2

Elemental Formula: C10H7Br3Cl2N2
Source: natural
Identification: Authentic MS RT



m/z [Fragment]
304 [M-Br ₂] ⁺
342 [M-BrCNCH ₃] ⁺
462 M ⁺

Name: DMBP Br3Cl2 2

Class: DMBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1561.95, 1.28

Elemental Formula: C10H7Br3Cl2N2

Ecotype: offshore

Quantitative Ion m/z: 466

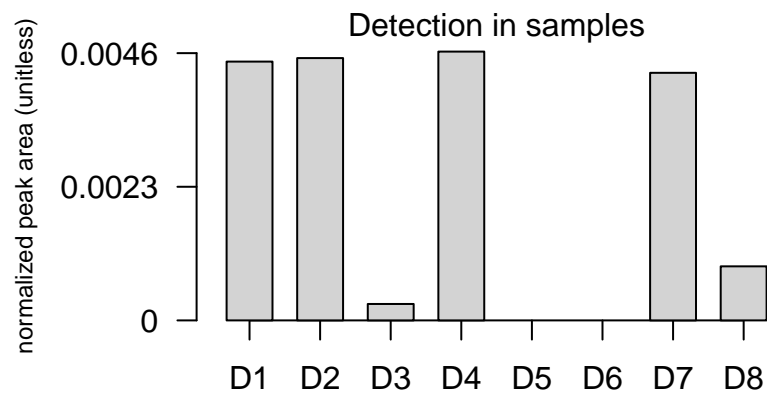
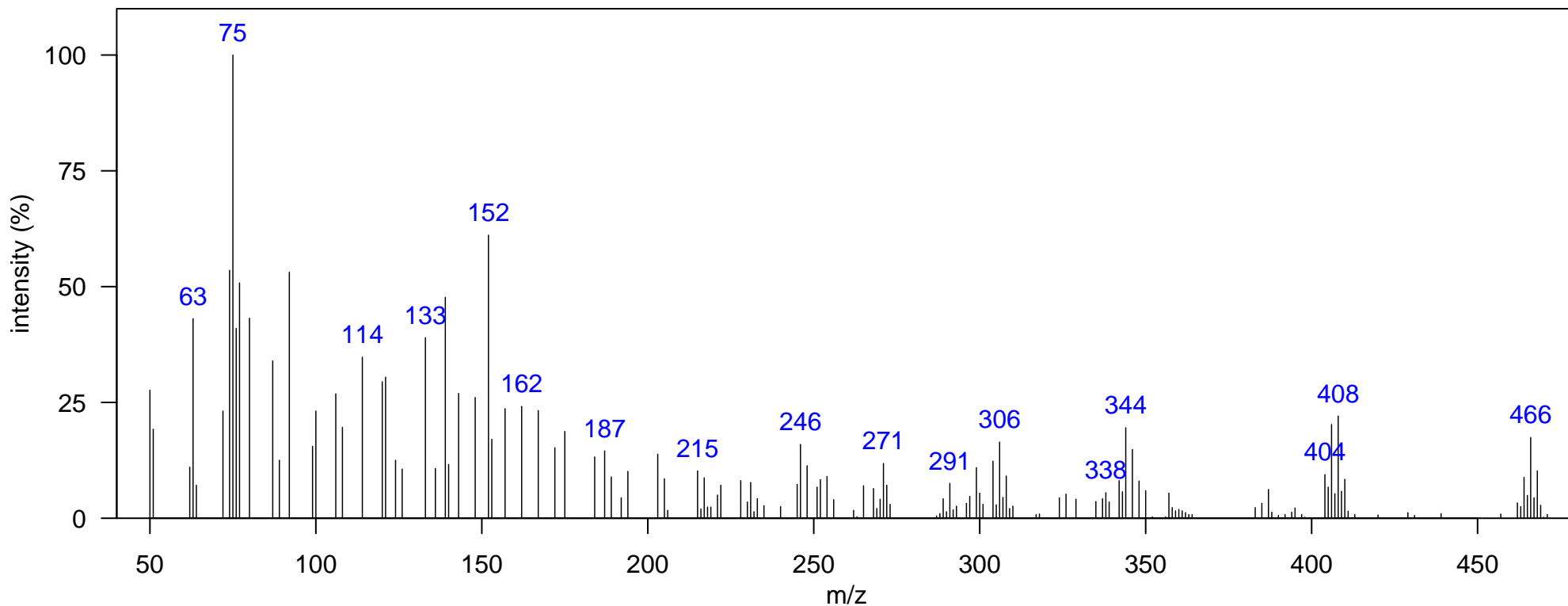
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS

Comment:



m/z [Fragment]
304 [M-Br ₂] ⁺
342 [M-BrCNCH ₃] ⁺
462 M ⁺

Name: DMBP Br3Cl2 3

Class: DMBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1568.95, 1.28

Elemental Formula: C10H7Br3Cl2N2

Ecotype: offshore

Quantitative Ion m/z: 466

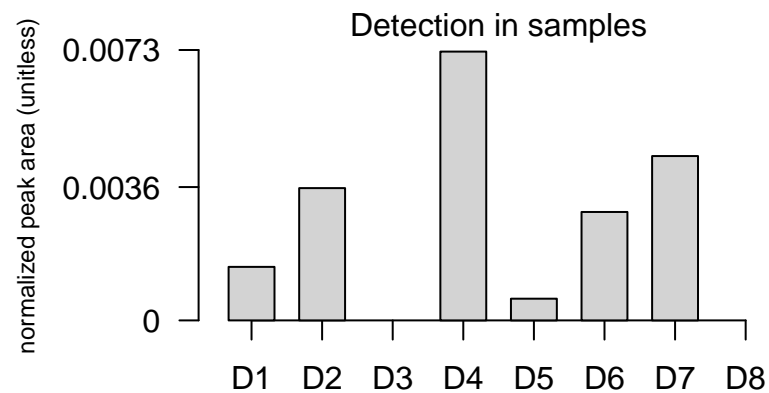
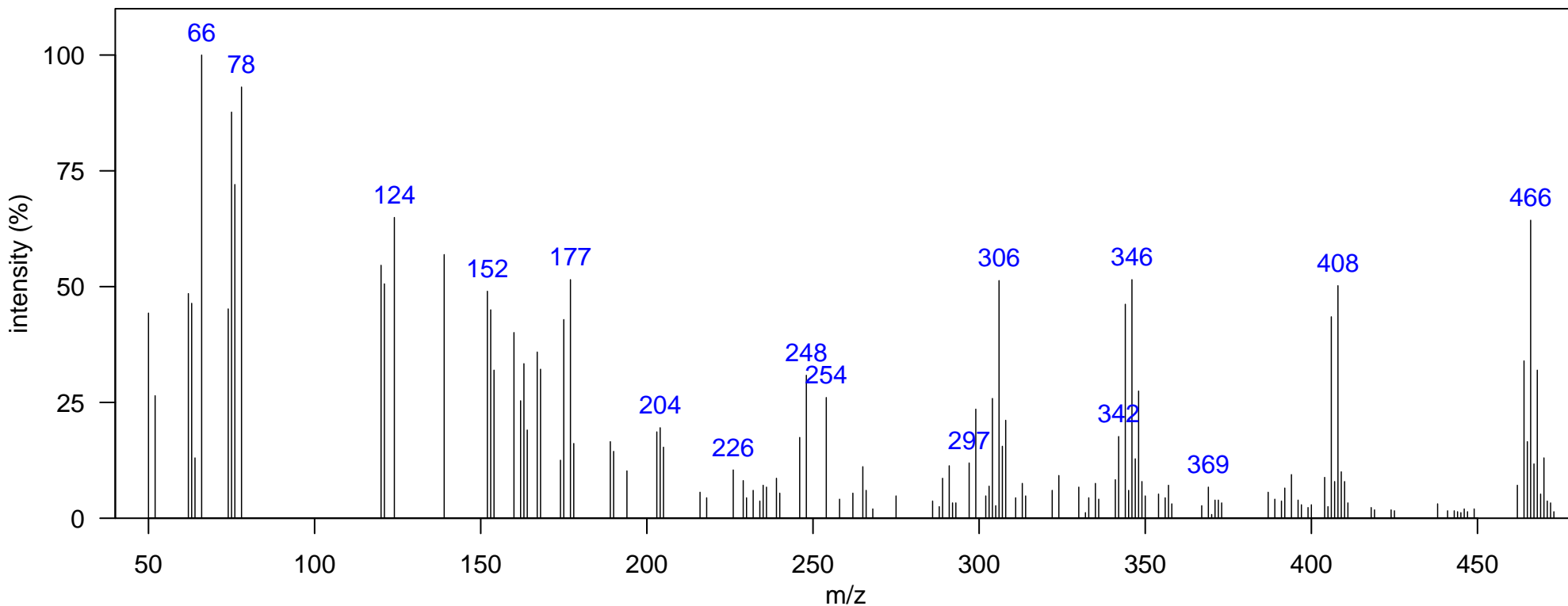
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DMBP Br3Cl2

Identification: Authentic MS

Comment:



m/z [Fragment]
304 [M-Br ₂] ⁺
342 [M-BrCNCH ₃] ⁺
462 M ⁺

Name: DMBP Br3Cl2 4

Class: DMBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1593.43, 1.28

Elemental Formula: C10H7Br3Cl2N2

Ecotype: offshore

Quantitative Ion m/z: 466

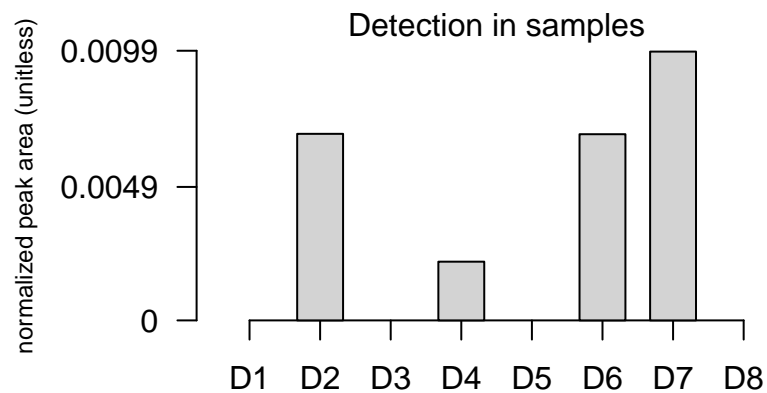
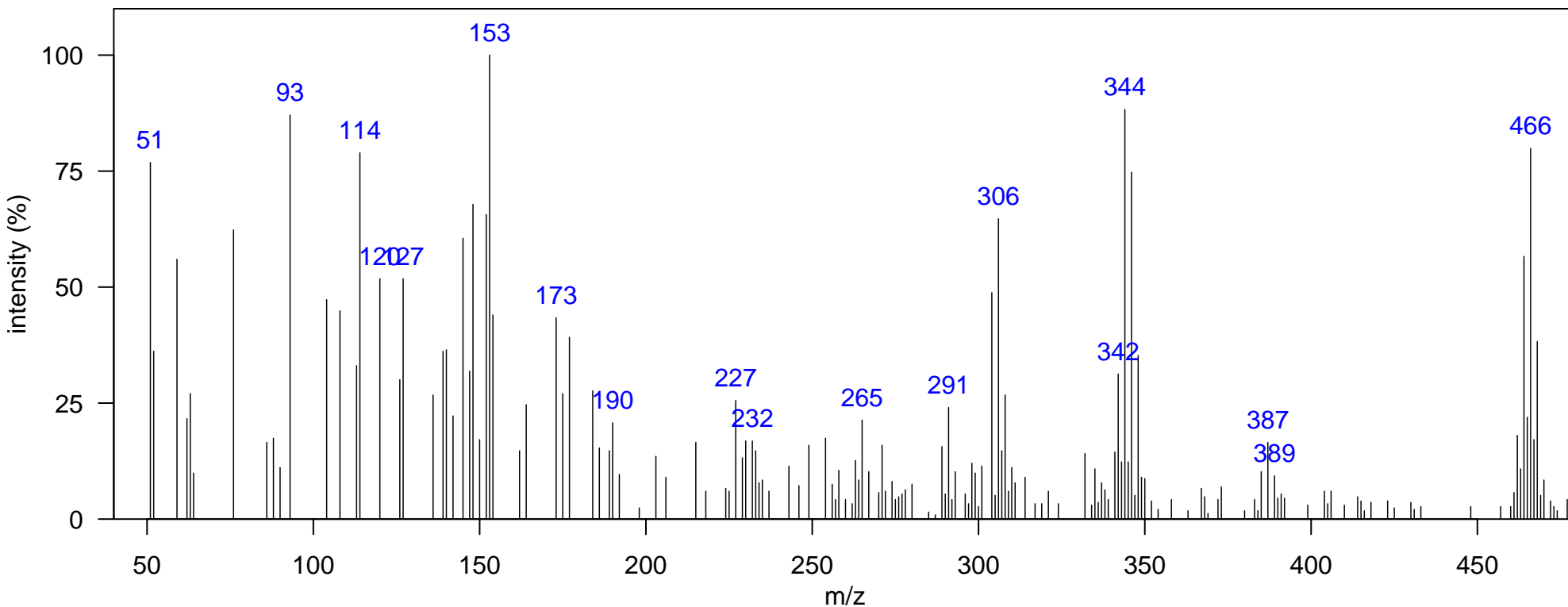
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DMBP Br3Cl2

Identification: Authentic MS

Comment:



m/z [Fragment]
304 [M-Br ₂] ⁺
342 [M-BrCNCH ₃] ⁺
462 M ⁺

Name: DMBP Br3Cl3

Class: DMBP

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1537.46, 1.637

Elemental Formula: C10H6Cl3Br3N2

Ecotype: offshore

Quantitative Ion m/z: 500

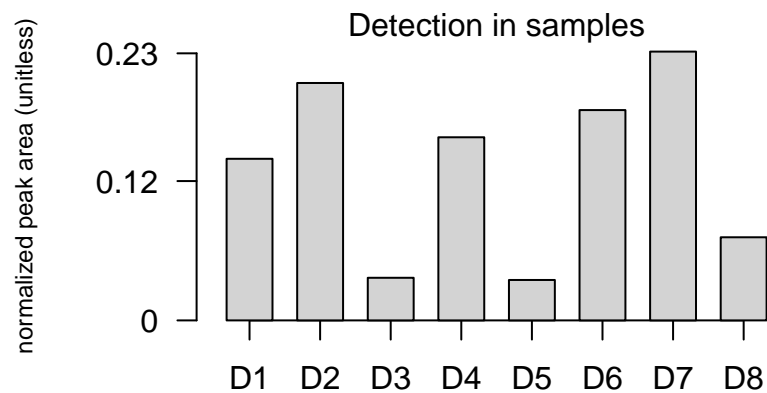
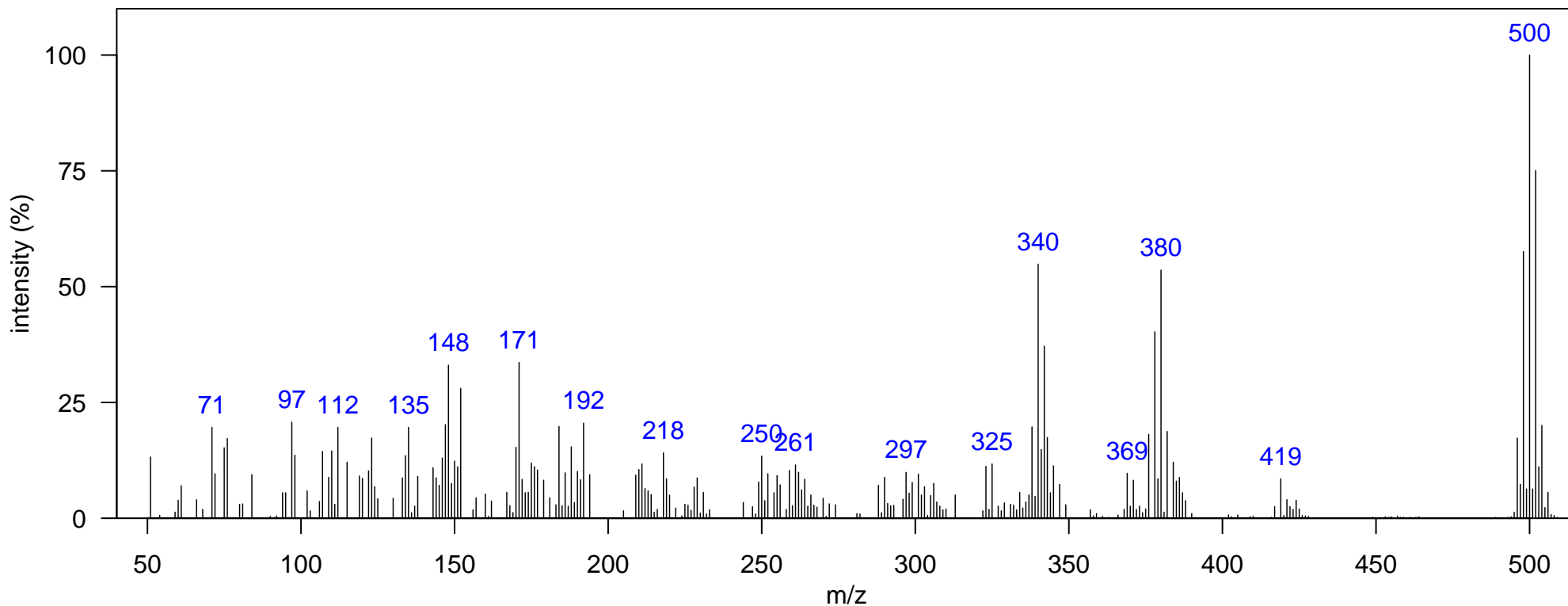
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS RT

Comment:



m/z [Fragment]
338 [M-Br ₂] ⁺
376 [M-BrCNCH ₃] ⁺
496 M ⁺

Name: DMBP 4Br 1

Class: DMBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1387.05, 1.379

Elemental Formula: C₁₀H₈Br₄N₂

Ecotype: offshore

Quantitative Ion m/z: 476

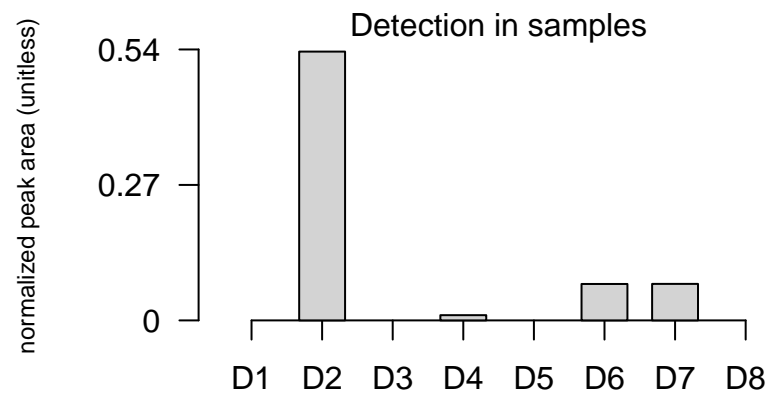
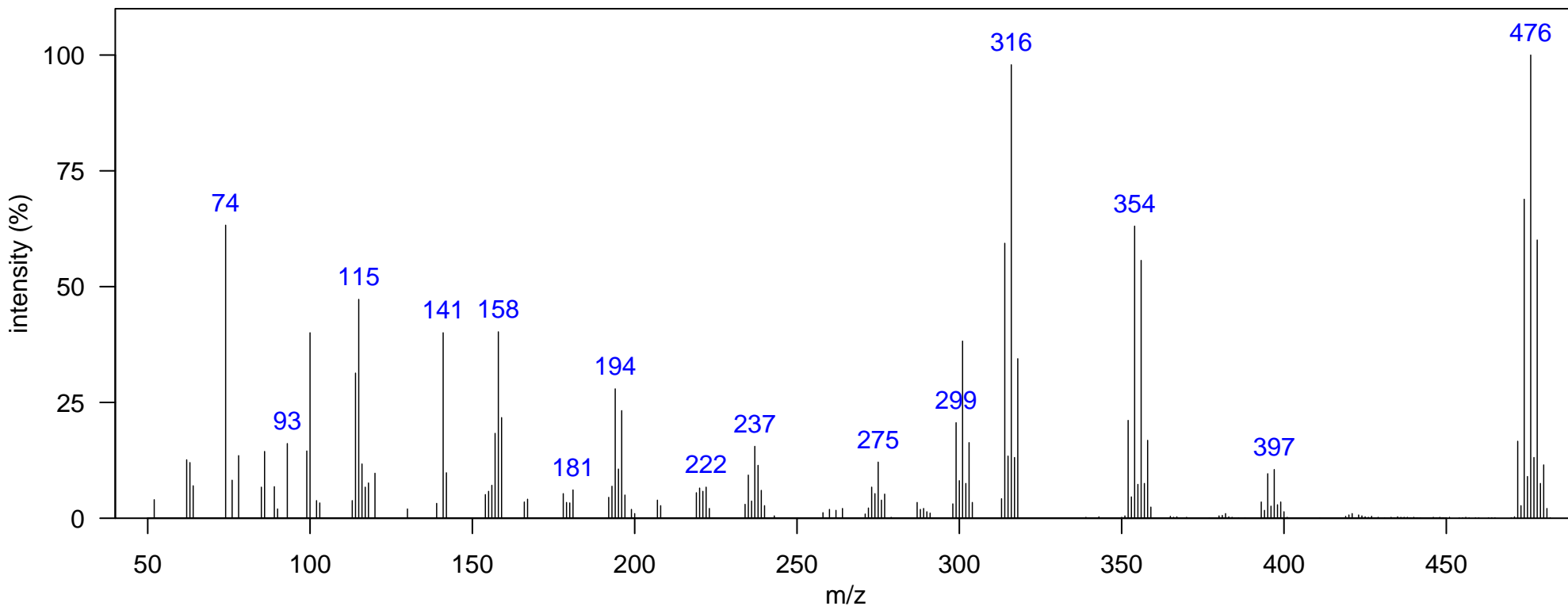
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DMBP 4Br

Identification: Authentic MS

Comment:



m/z [Fragment]
314 [M-Br ₂] ⁺
352 [M-BrCNCH ₃] ⁺
393 [M-Br] ⁺
472 M ⁺

Name: DMBP 4Br 2

Class: DMBP

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1436.02, 1.525

Elemental Formula: C₁₀H₈Br₄N₂

Ecotype: offshore

Quantitative Ion m/z: 476

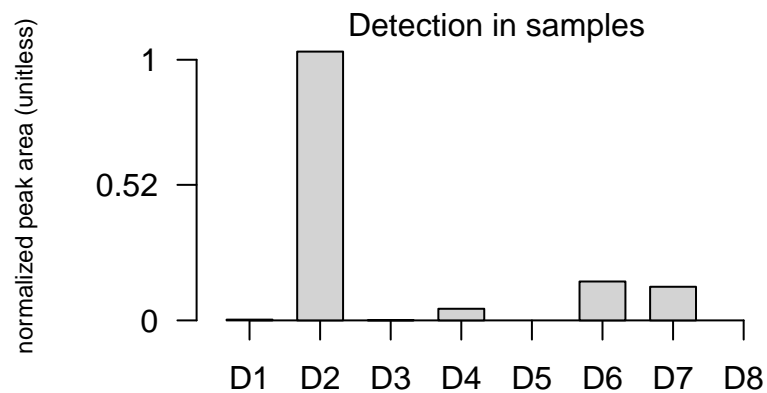
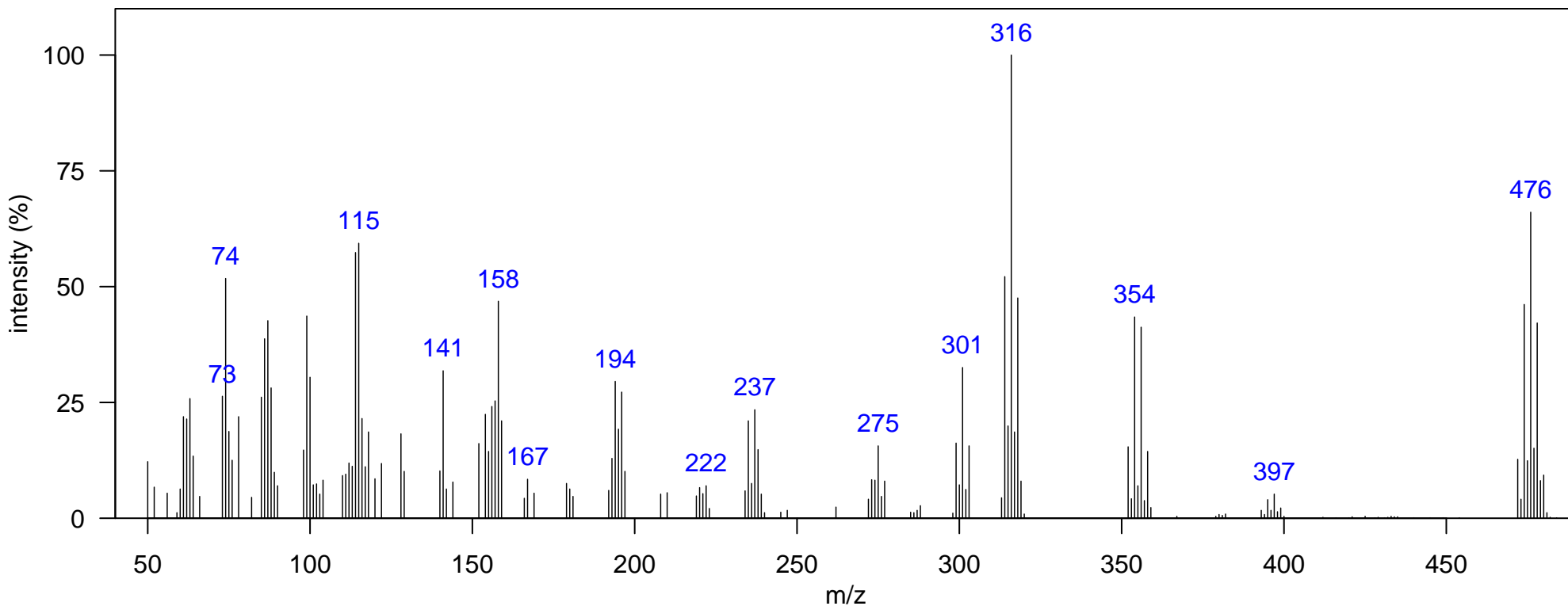
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DMBP 4Br

Identification: Authentic MS

Comment:



m/z [Fragment]
314 [M-Br ₂] ⁺
352 [M-BrCNCH ₃] ⁺
472 M ⁺

Name: DMBP 4Br 3

Class: DMBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1495.49, 1.663

Elemental Formula: C₁₀H₈Br₄N₂

Ecotype: offshore

Quantitative Ion m/z: 476

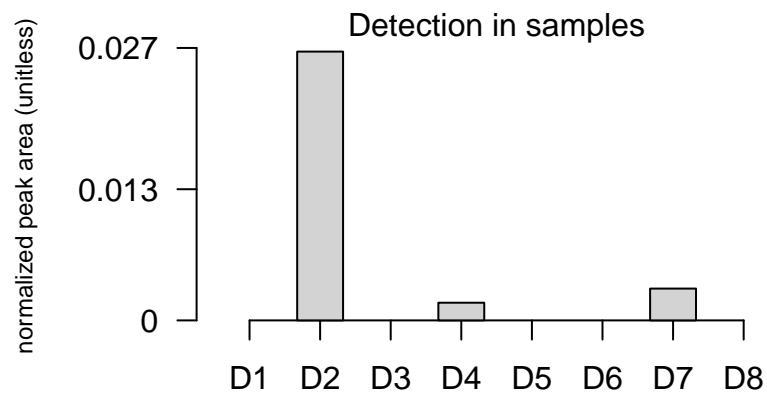
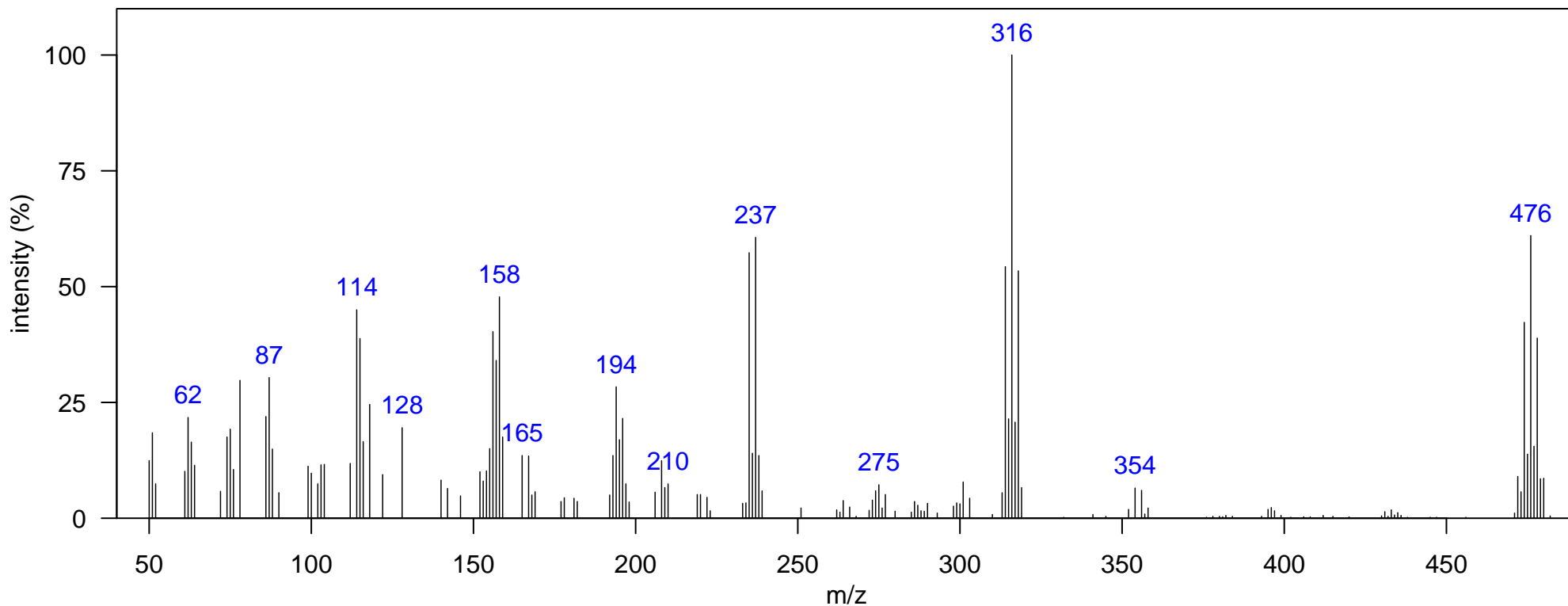
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DMBP 4Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
314 [M-Br ₂] ⁺
352 [M-BrCNCH ₃] ⁺
472 M ⁺

Name: DMBP 4Br 4

Class: DMBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1540.96, 1.353

Elemental Formula: C₁₀H₈Br₄N₂

Ecotype: offshore

Quantitative Ion m/z: 476

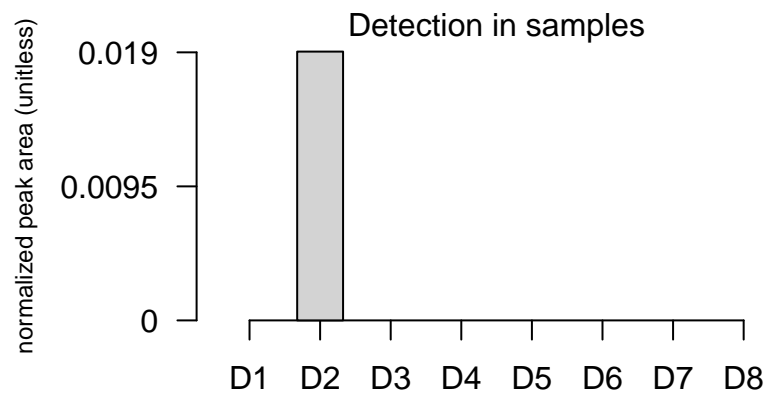
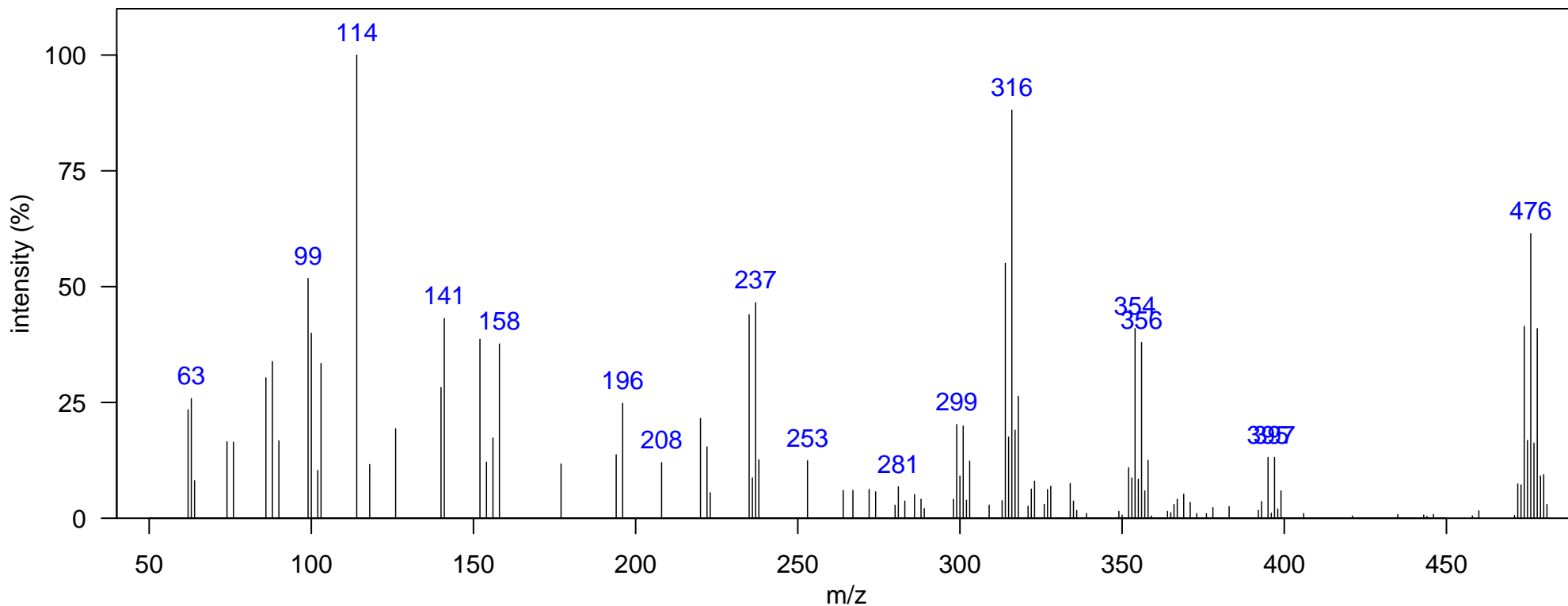
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DMBP 4Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
314 [M-Br ₂] ⁺
352 [M-BrCNCH ₃] ⁺
472 M ⁺

Name: DMBP Br4Cl 1

Class: DMBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1488.49, 1.505

Elemental Formula: C₁₀H₇Br₄ClN₂

Ecotype: offshore

Quantitative Ion m/z: 510

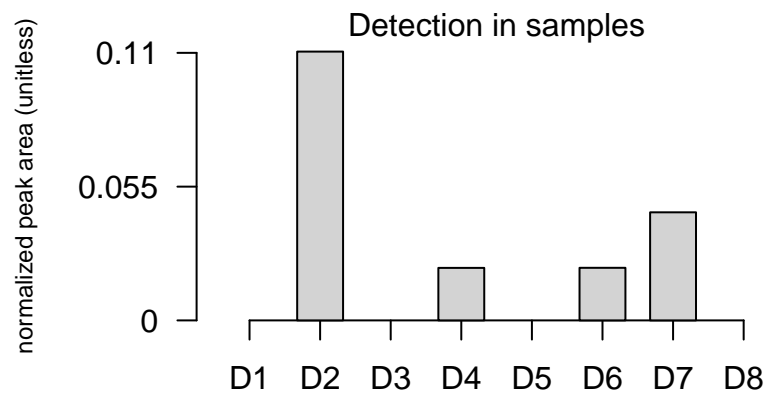
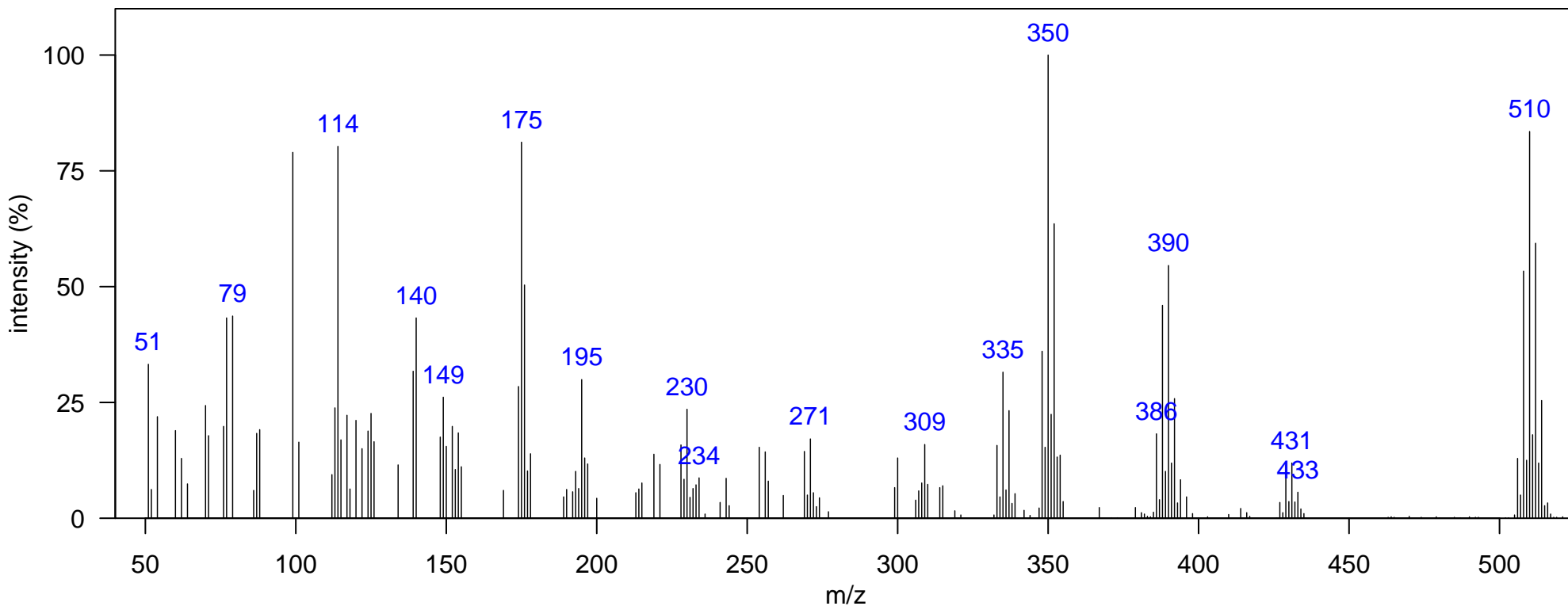
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS RT

Comment:



m/z [Fragment]
348 [M-Br ₂] ⁺
386 [M-BrCNCH ₃] ⁺
506 M ⁺

Name: DMBP Br4Cl 2

Class: DMBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1544.46, 1.769

Elemental Formula: C₁₀H₇Br₄ClN₂

Ecotype: offshore

Quantitative Ion m/z: 510

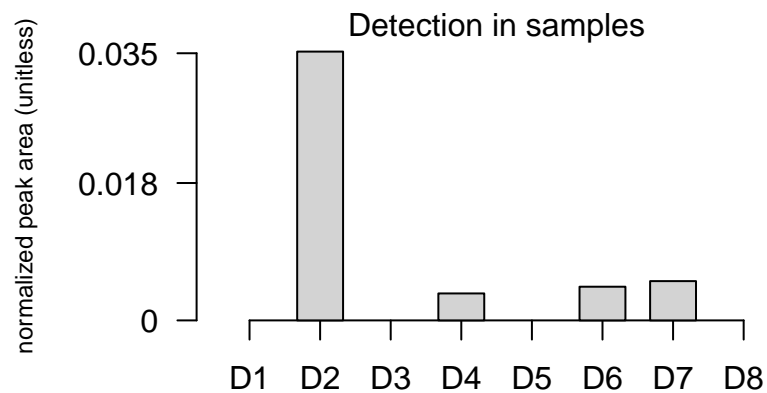
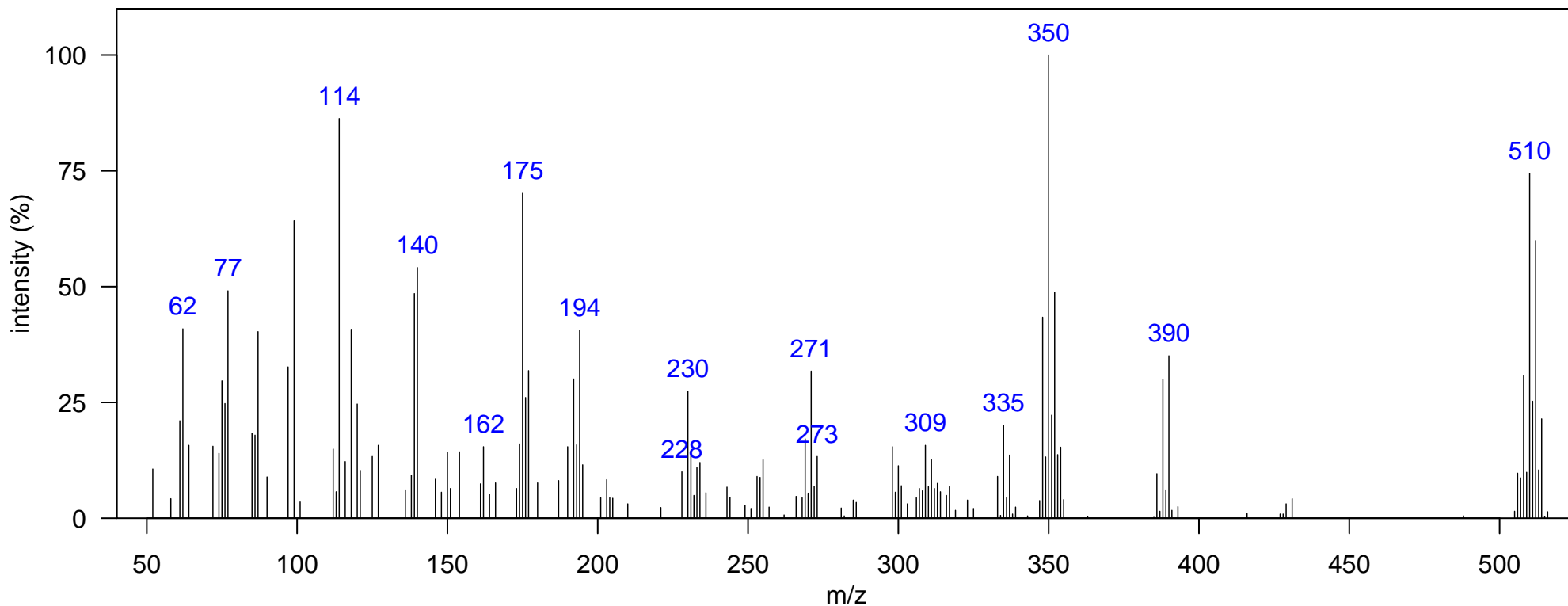
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS RT

Comment:



m/z [Fragment]
348 [M-Br ₂] ⁺
386 [M-BrCNCH ₃] ⁺
506 M ⁺

Name: DMBP Br4Cl2

Class: DMBP

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1593.43, 1.921

Elemental Formula: C10H6Cl2Br4N2

Ecotype: coastal

Quantitative Ion m/z: 546

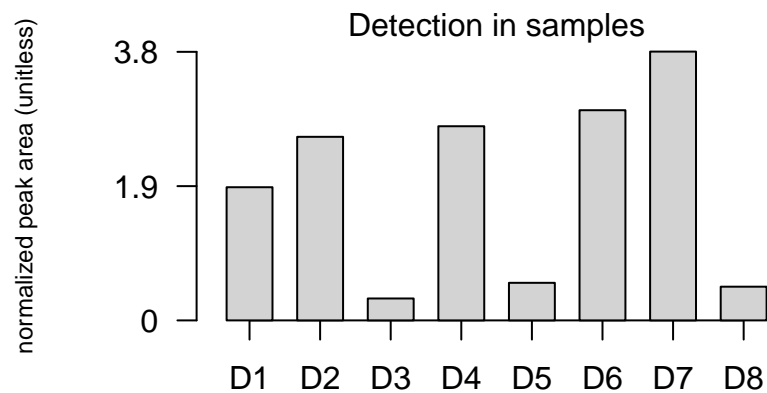
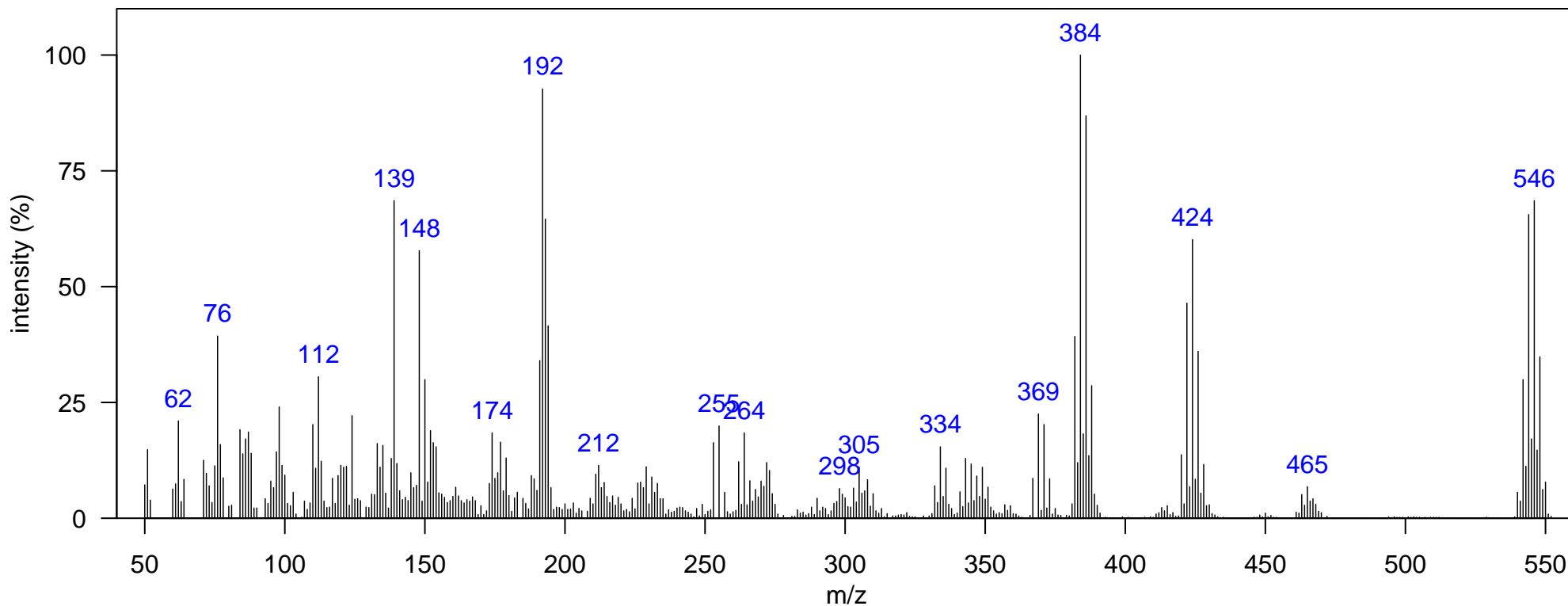
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DMBP Br4Cl2

Identification: Authentic MS RT

Comment:



m/z [Fragment]
382 [M-Br2] ⁺
420 [M-BrCNCH3] ⁺
540 M ⁺

Name: DMBP 5Br 1

Class: DMBP

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1537.46, 1.683

Elemental Formula: C₁₀H₇Br₅N₂

Ecotype: offshore

Quantitative Ion m/z: 554

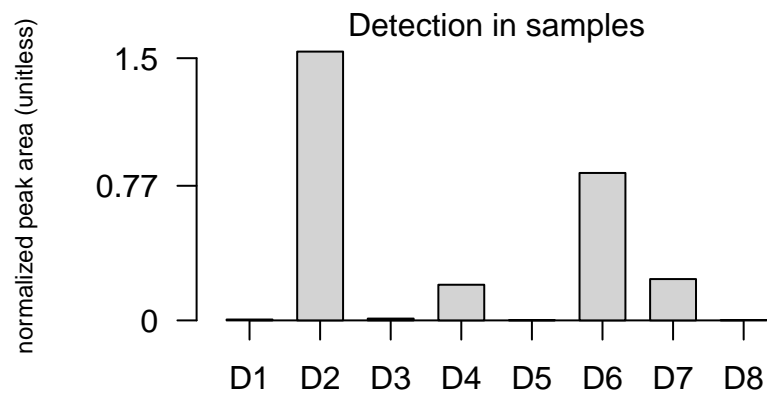
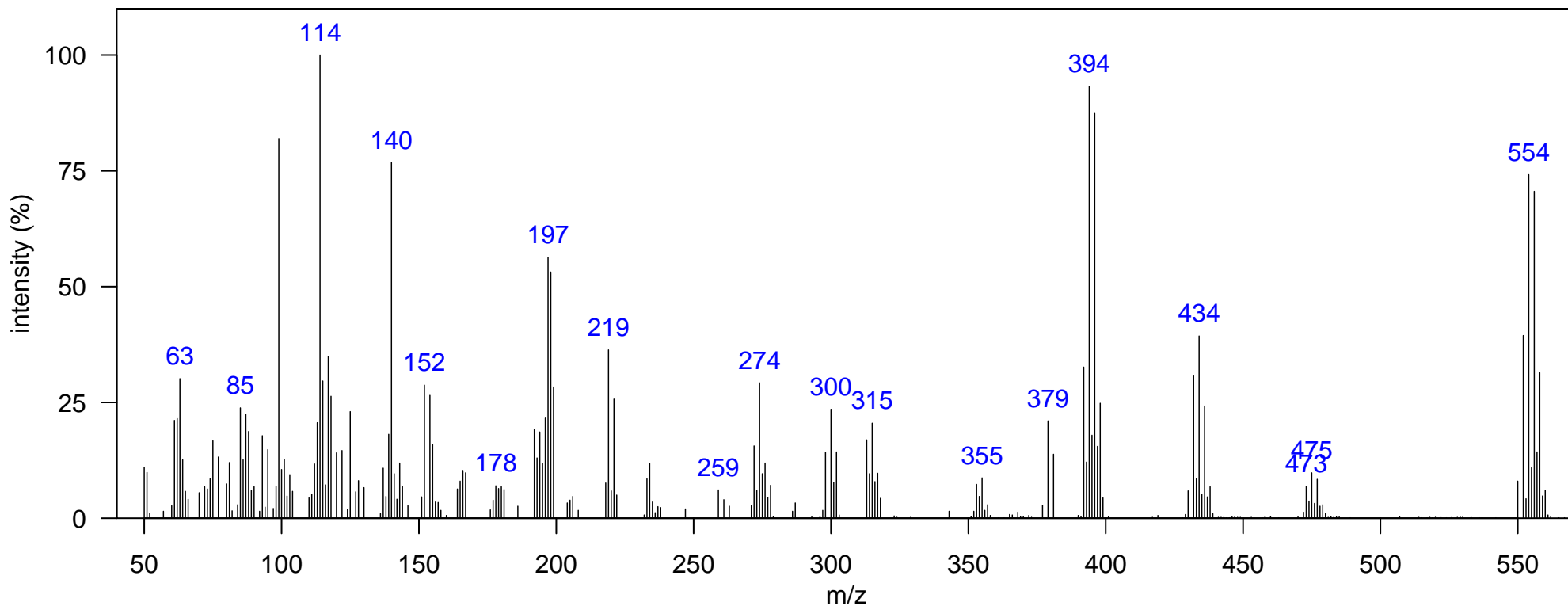
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DMBP 5Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
392 [M-Br ₂] ⁺
430 [M-BrCNCH ₃] ⁺
550 M ⁺

Name: DMBP 5Br 2

Class: DMBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1600.43, 2.099

Elemental Formula: C₁₀H₇Br₅N₂

Ecotype: offshore

Quantitative Ion m/z: 554

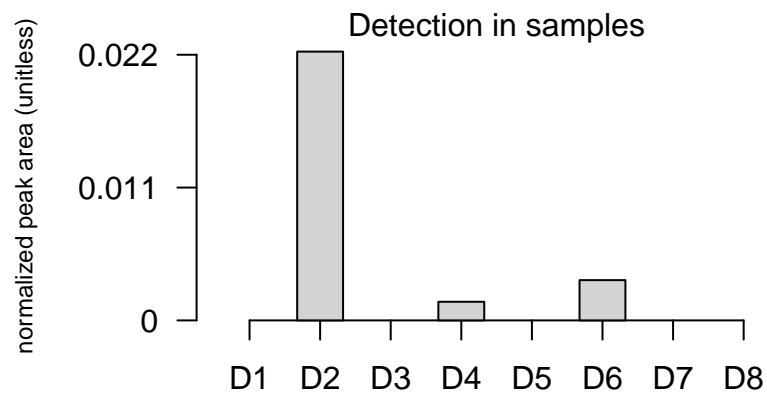
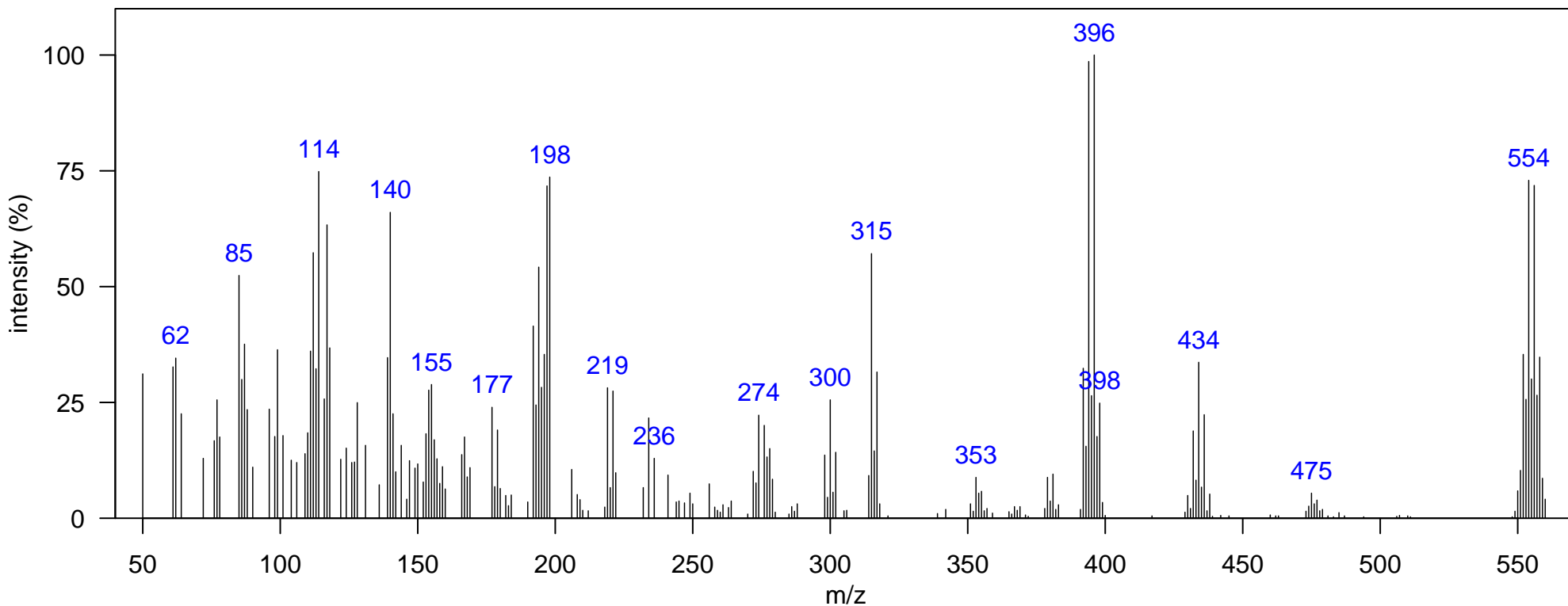
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DMBP Br5

Identification: Authentic MS RT

Comment:



m/z [Fragment]
392 [M-Br ₂] ⁺
430 [M-BrCNCH ₃] ⁺
550 M ⁺

Name: DMBP Br5Cl

Class: DMBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1656.4, 2.284

Elemental Formula: C10H6Br5ClN2

Ecotype: offshore

Quantitative Ion m/z: 590

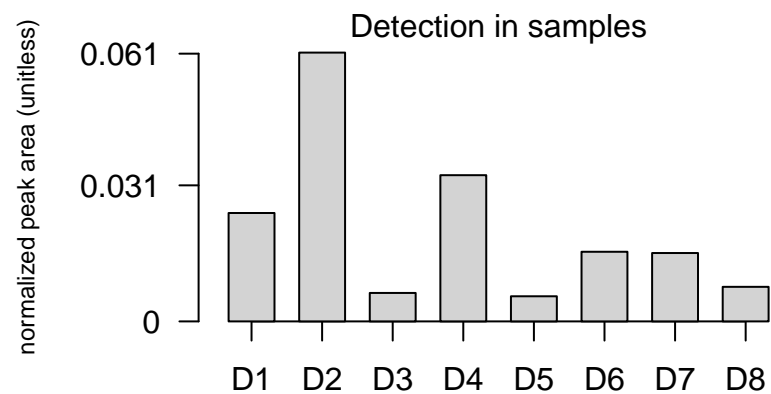
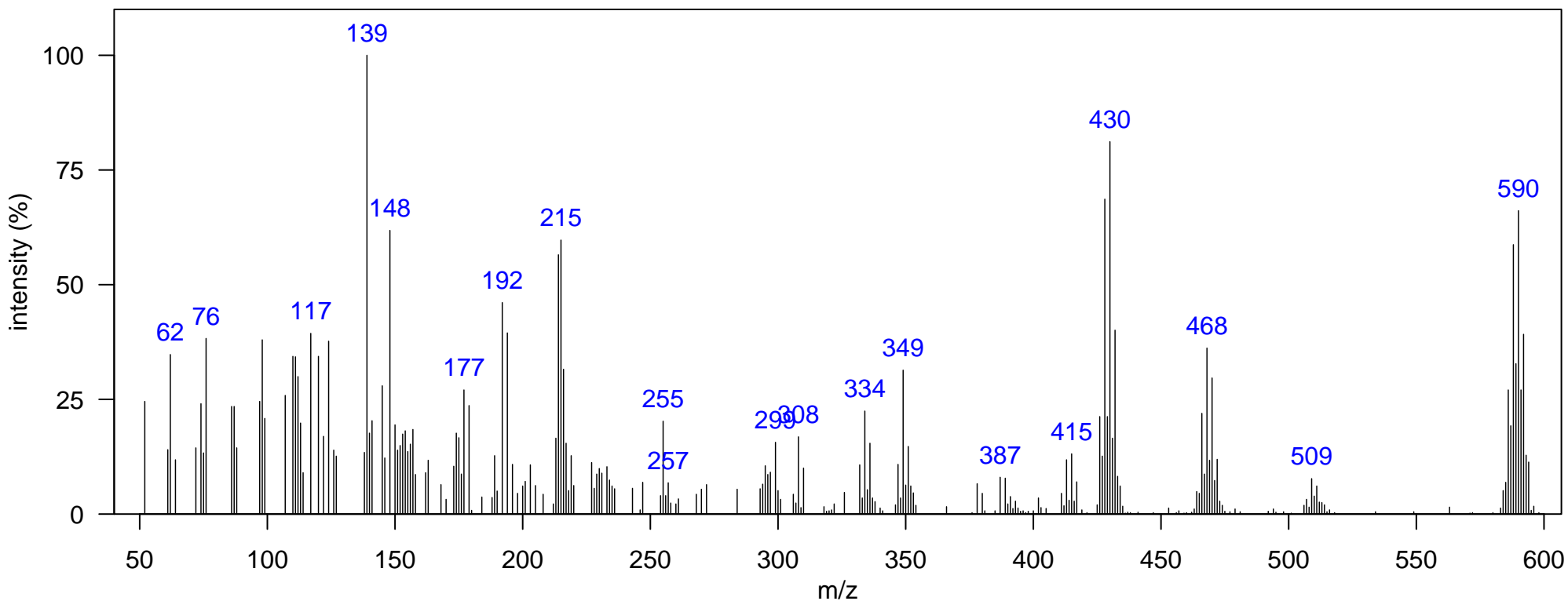
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DMBP Br5Cl

Identification: Authentic MS RT

Comment:



m/z [Fragment]
426 [M-Br ₂] ⁺
464 [M-BrCNCH ₃] ⁺
584 M ⁺

Name: DMBP 6Br

Class: DMBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1722.86, 2.323

Elemental Formula: C₁₀H₆Br₆N₂

Ecotype: offshore

Quantitative Ion m/z: 634

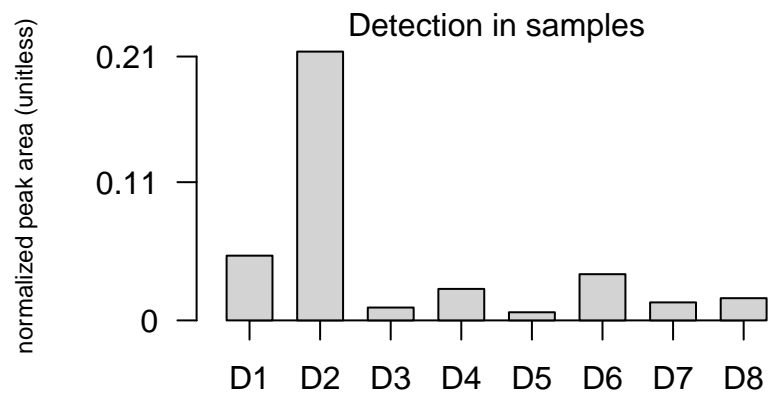
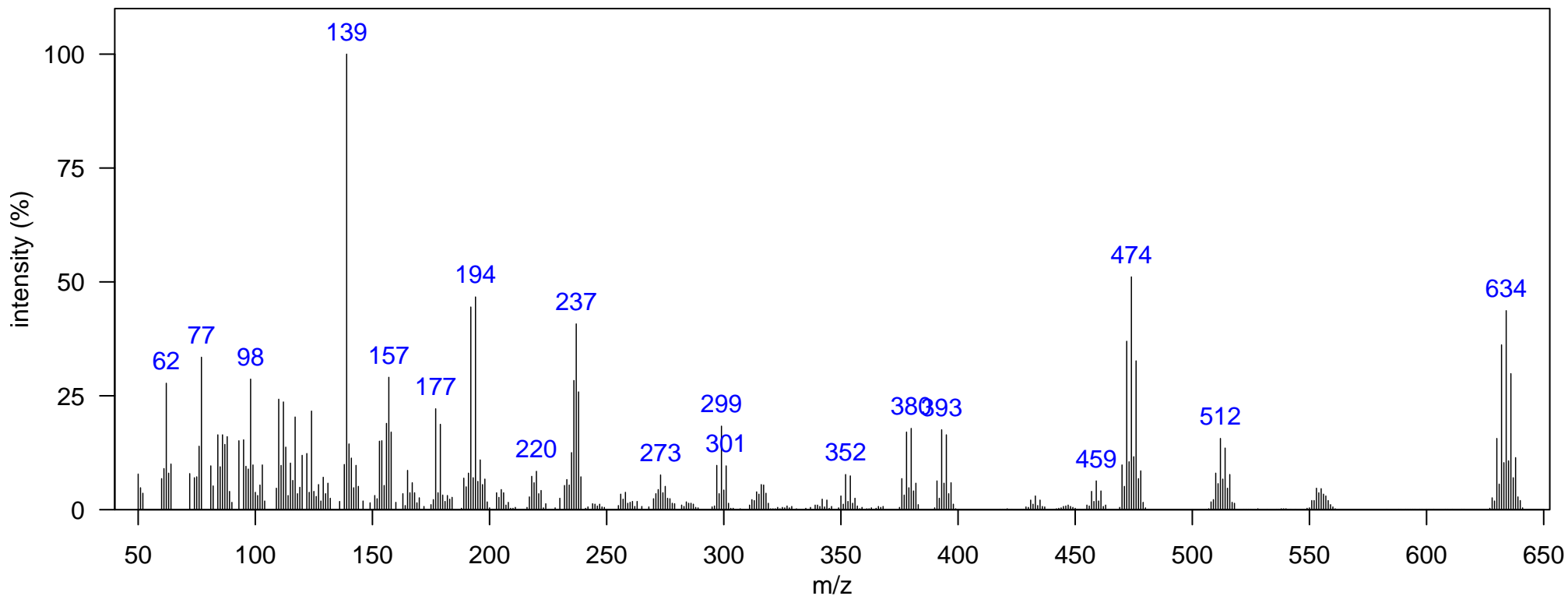
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: DMBP 6Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
470 [M-Br ₂] ⁺
508 [M-BrCNCH ₂] ⁺
628 M ⁺

Name: MBP 6Cl 1

Class: MBP

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1247.13, 1.188

Elemental Formula: C₉H₄Cl₆N₂

Ecotype: coastal

Quantitative Ion m/z: 352

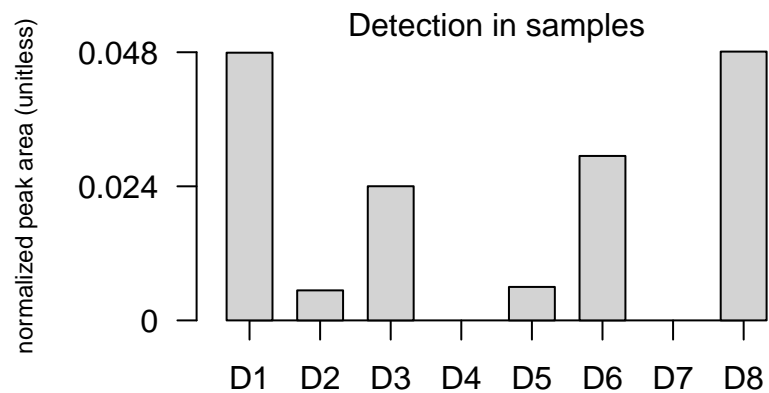
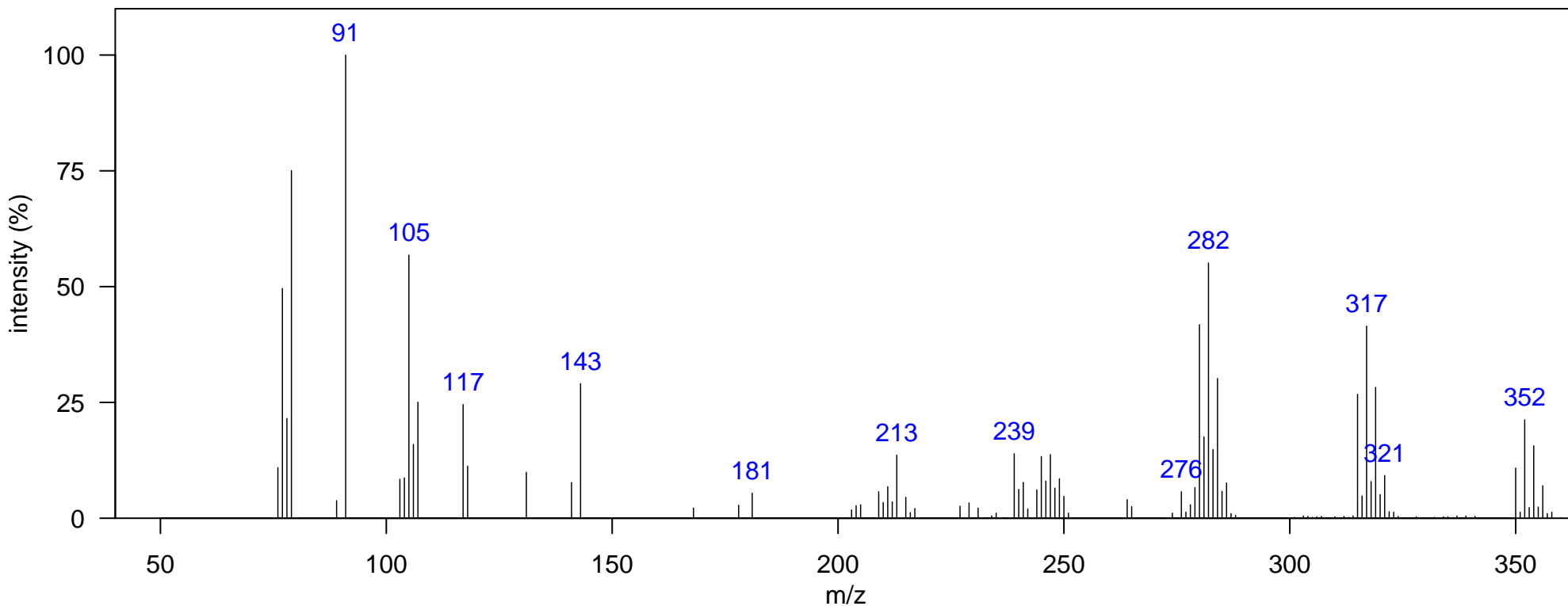
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MBP 6Cl

Identification: Authentic MS

Comment:



m/z [Fragment]
245 [M-Cl ₃] ⁺
280 [M-Cl ₂] ⁺
315 [M-Cl] ⁺
350 M ⁺

Name: MBP 6Cl 2

Class: MBP

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1257.62, 1.214

Elemental Formula: C₉H₄Cl₆N₂

Ecotype: coastal

Quantitative Ion m/z: 352

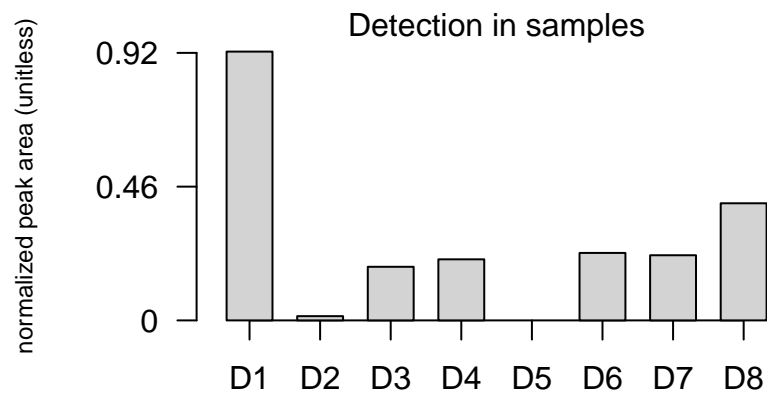
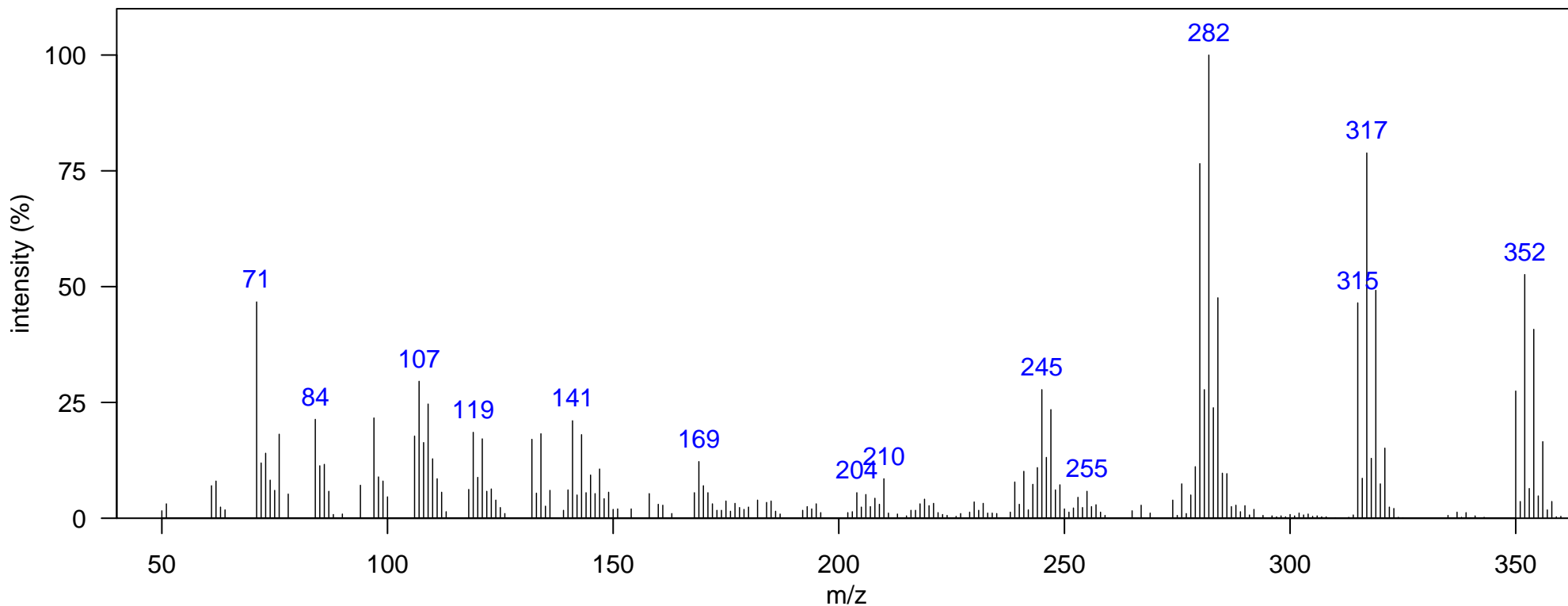
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MBP 6Cl

Identification: Authentic MS

Comment:



m/z [Fragment]
245 [M-Cl ₃] ⁺
280 [M-Cl ₂] ⁺
315 [M-Cl] ⁺
350 M ⁺

Name: MBP 6Cl 3

Class: MBP

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1299.6, 1.221

Elemental Formula: C₉H₄Cl₆N₂

Ecotype: coastal

Quantitative Ion m/z: 352

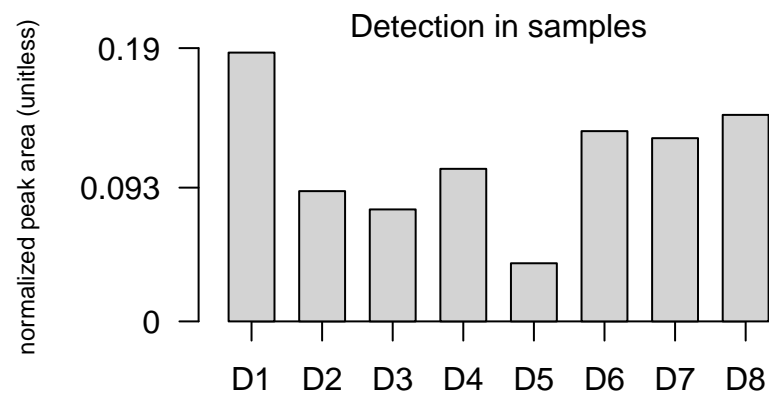
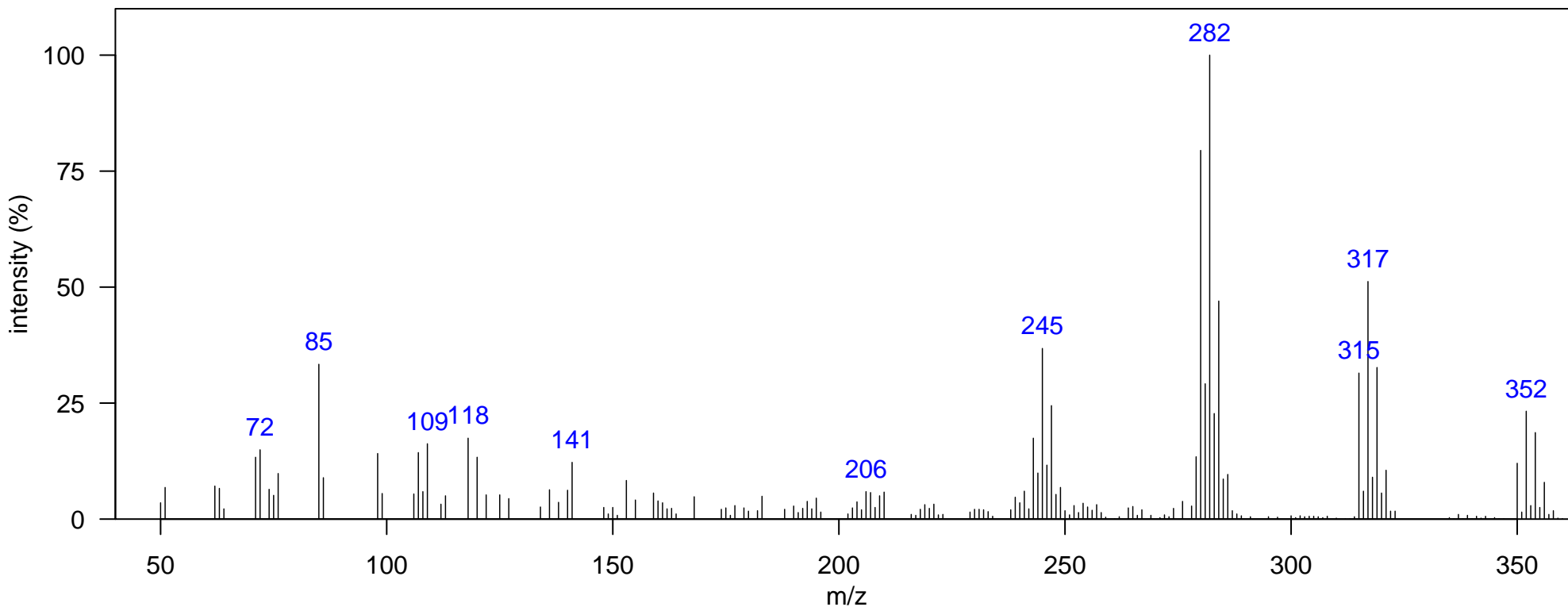
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MBP 6Cl

Identification: Authentic MS

Comment:



m/z [Fragment]
280 [M-Cl ₂] ⁺
315 [M-Cl] ⁺
350 M ⁺

Name: MBP 7CI

Class: MBP

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1348.57, 1.234

Elemental Formula: C₉H₃Cl₇N₂

Ecotype: coastal

Quantitative Ion m/z: 388

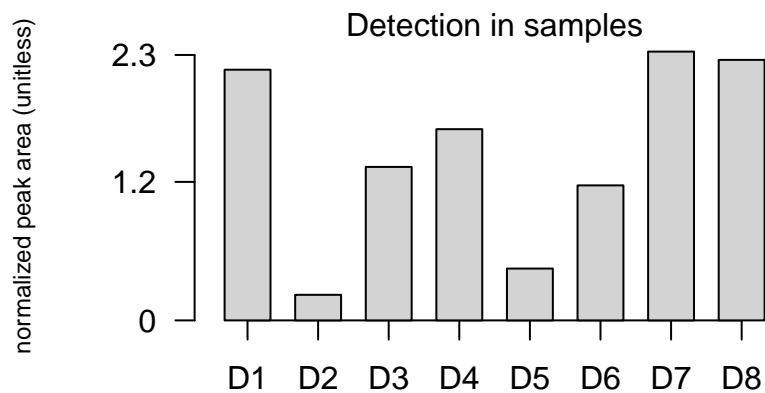
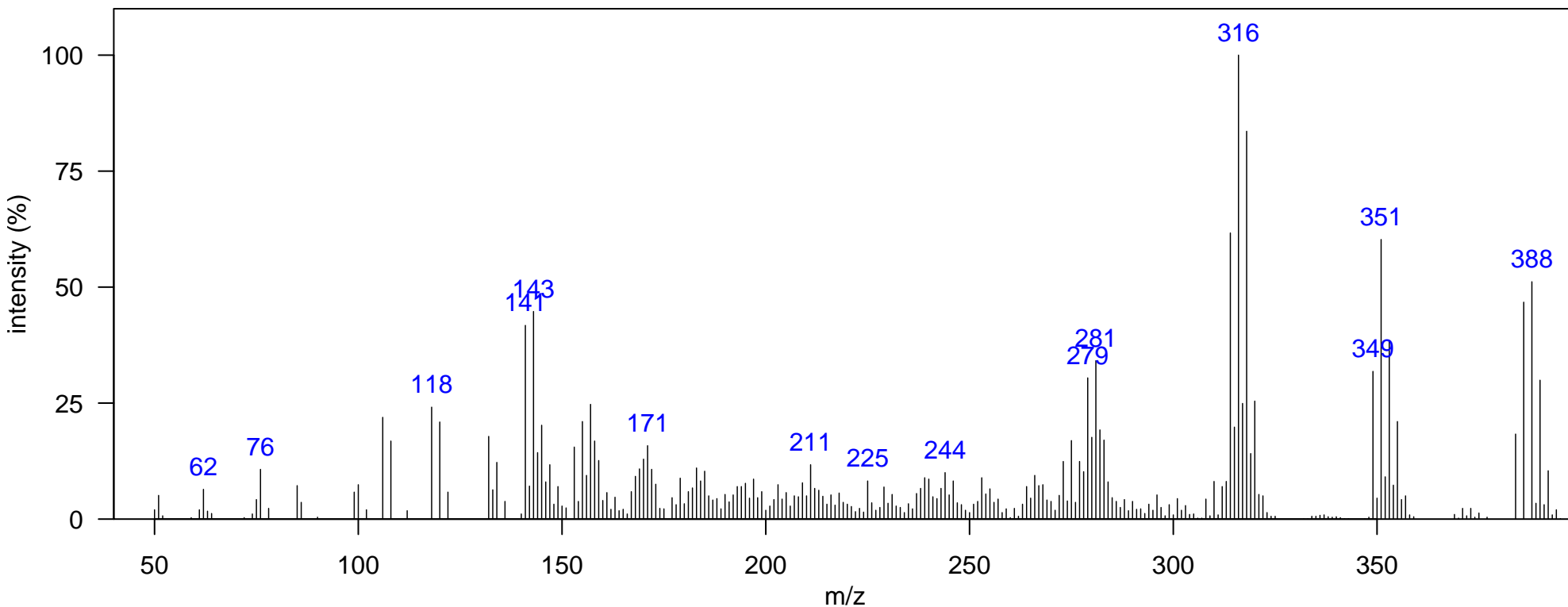
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MBP 7CI

Identification: Authentic MS RT

Comment:



m/z [Fragment]
314 [M-Cl ₂]
349 [M-Cl] ⁺
384 M ⁺

Name: MBP 4Br 1

Class: MBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1429.03, 1.498

Elemental Formula: C₉H₆Br₄N₂

Ecotype: offshore

Quantitative Ion m/z: 462

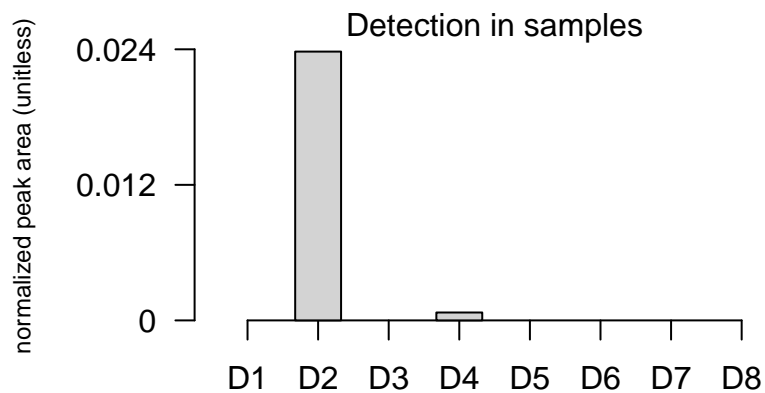
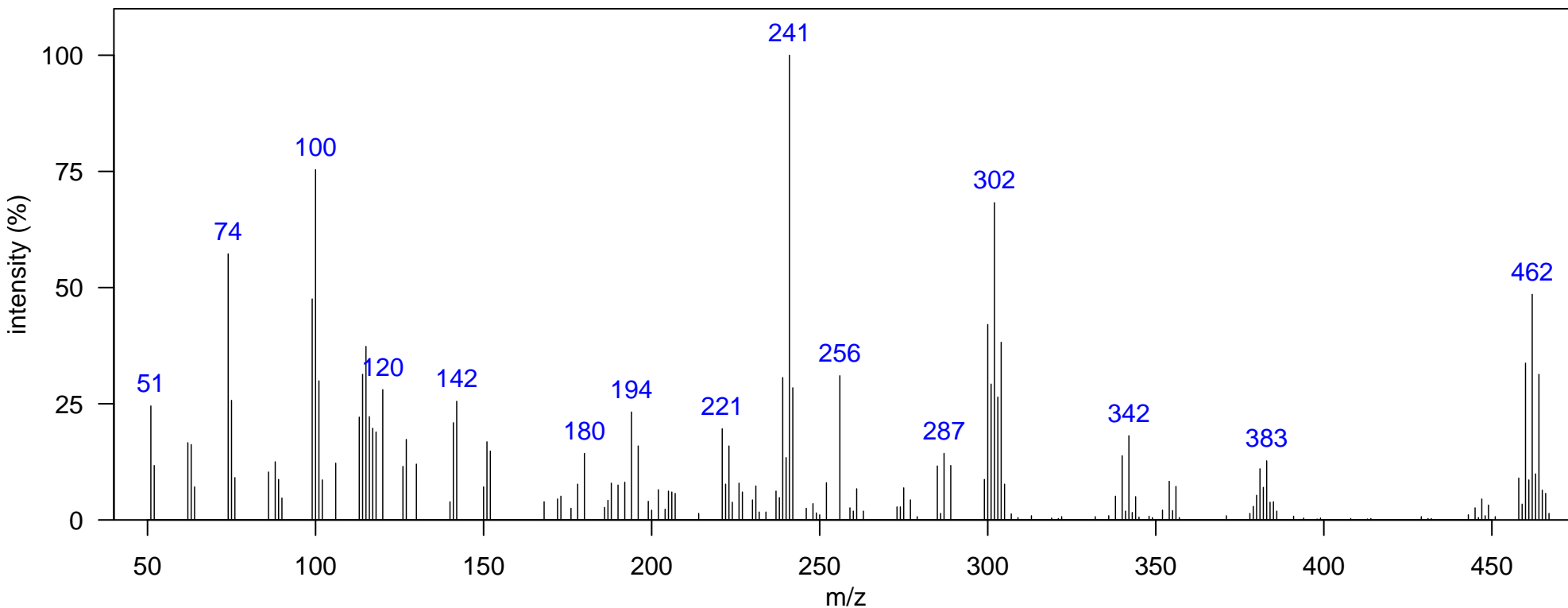
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MBP 4Br

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
221 [M-Br ₃] ⁺
300 [M-Br ₂] ⁺
379 [M-Br] ⁺
458 M ⁺

Name: MBP 4Br 2

Class: MBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1484.99, 1.604

Elemental Formula: C₉H₆Br₄N₂

Ecotype: offshore

Quantitative Ion m/z: 462

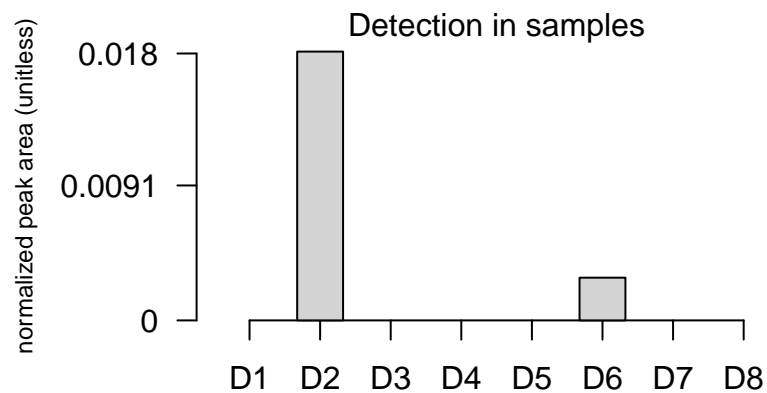
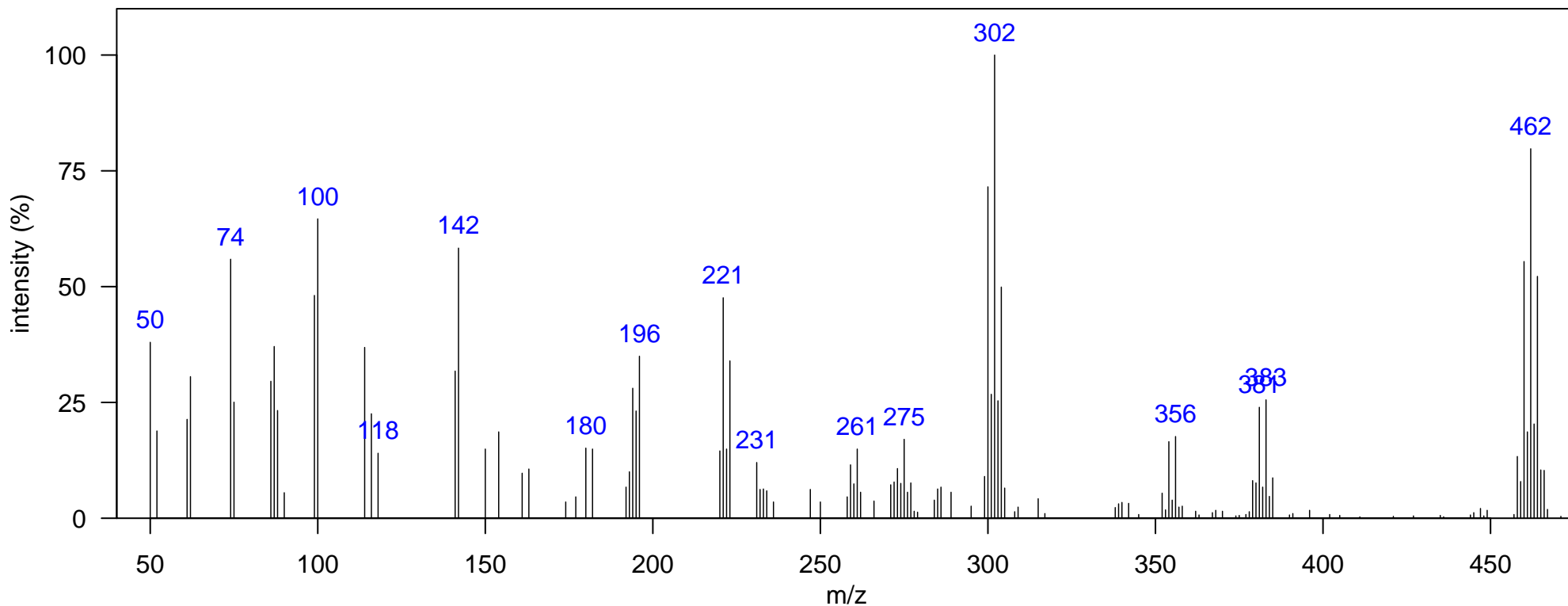
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MBP 4Br

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
221 [M-Br ₃] ⁺
300 [M-Br ₂] ⁺
379 [M-Br] ⁺
458 M ⁺

Name: MBP 4Br 3

Class: MBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1519.97, 1.762

Elemental Formula: C₉H₆Br₄N₂

Ecotype: offshore

Quantitative Ion m/z: 462

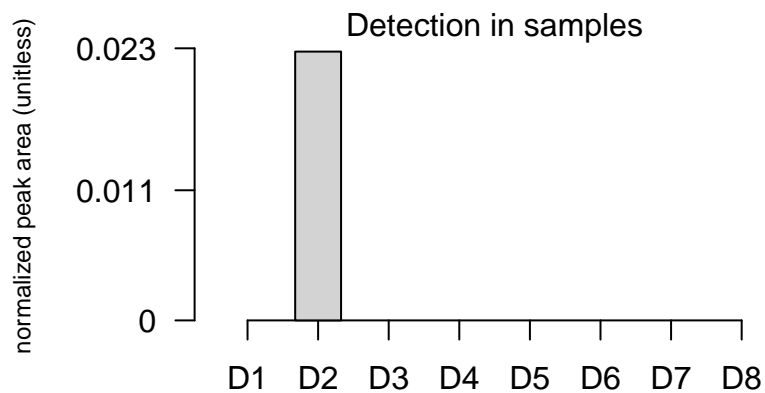
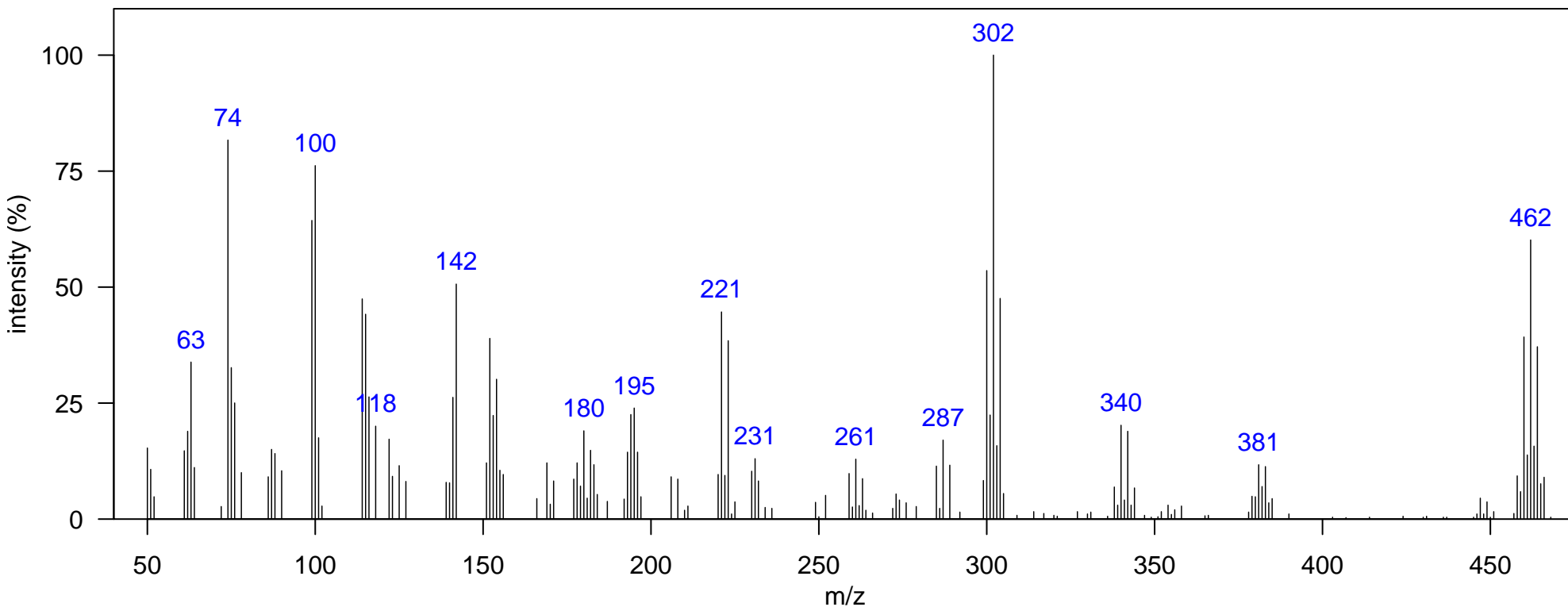
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MBP 4Br

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
221 [M-Br ₃] ⁺
300 [M-Br ₂] ⁺
379 [M-Br] ⁺
458 M ⁺

Name: MBP 4Br 4

Class: MBP

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1575.94, 2.185

Elemental Formula: C₉H₆Br₄N₂

Ecotype: offshore

Quantitative Ion m/z: 462

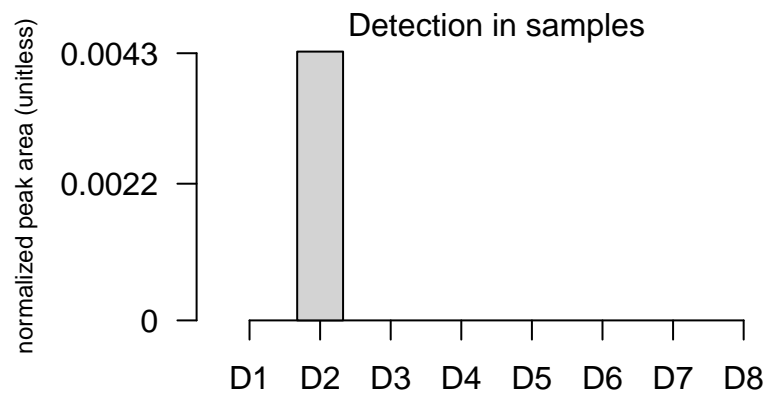
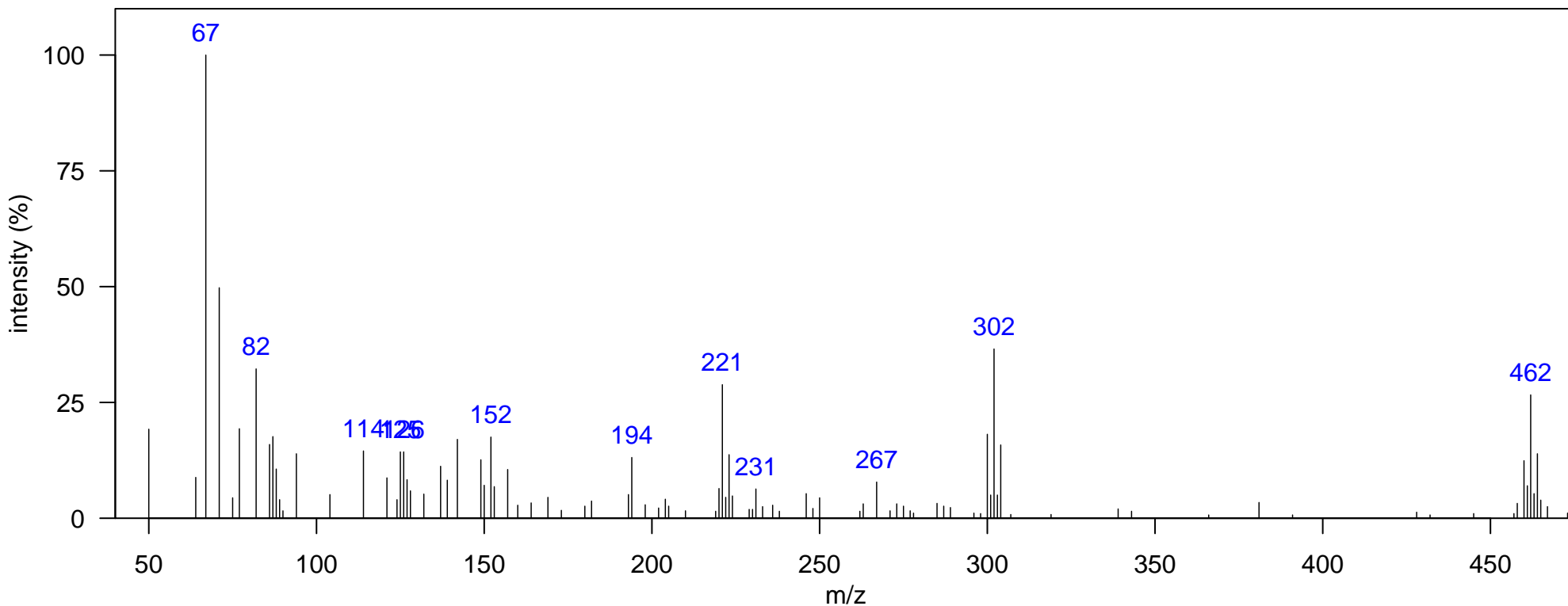
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MBP 4Br

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
221 [M-Br ₃] ⁺
300 [M-Br ₂] ⁺
379 [M-Br] ⁺
458 M ⁺

Name: PBHD 3Br 1

Class: PBHD

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1645.9, 1.98

Elemental Formula: C₁₆H₁₉Br₃O

Ecotype: coastal

Quantitative Ion m/z: 387

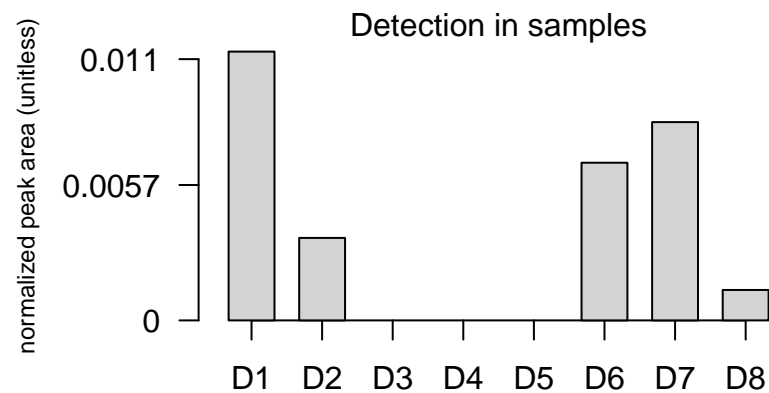
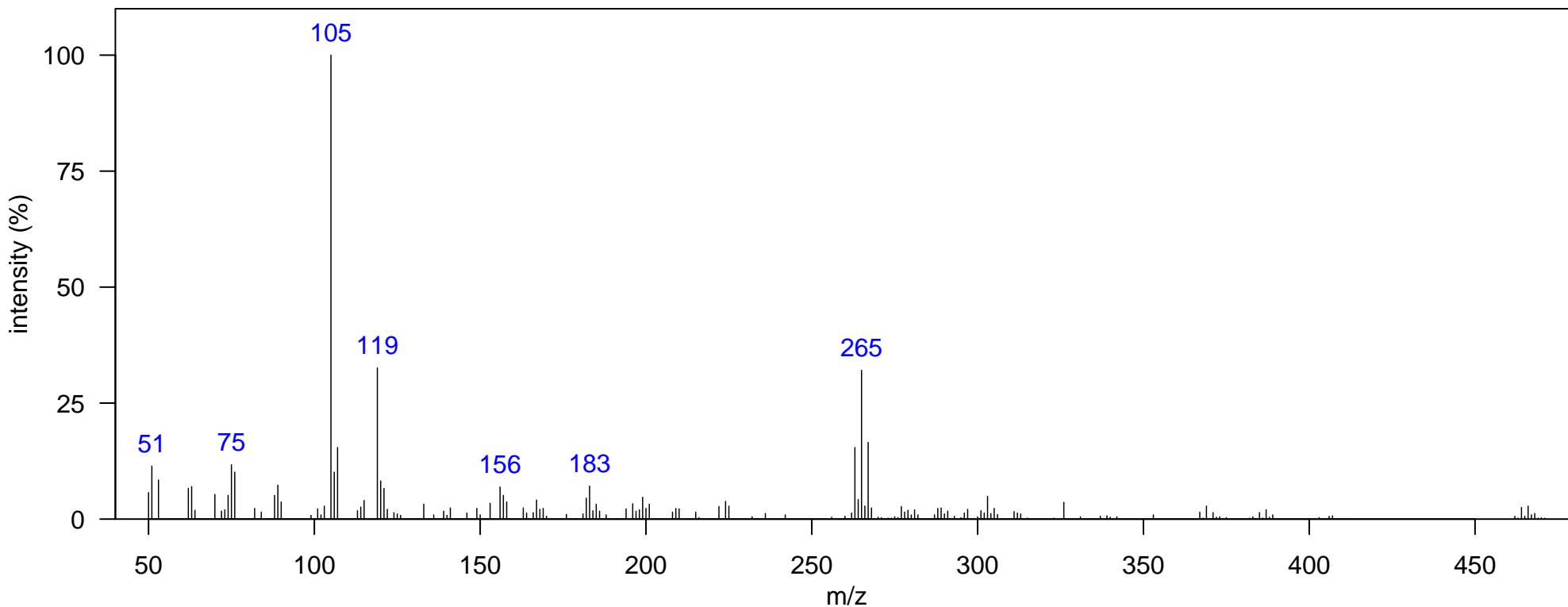
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: PBHD 3Br

Identification: Authentic MS

Comment:



m/z [Fragment]
385 [M-Br] ⁺
464 M ⁺

Name: PBHD 3Br 2

Class: PBHD

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1680.88, 2.145

Elemental Formula: C₁₆H₁₉Br₃O

Ecotype: offshore

Quantitative Ion m/z: 387

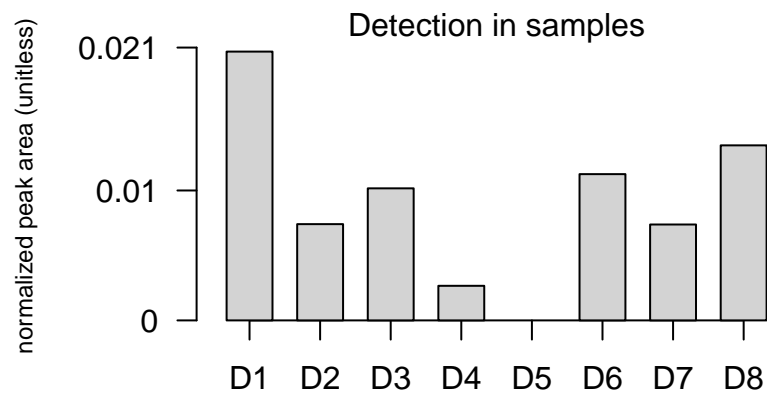
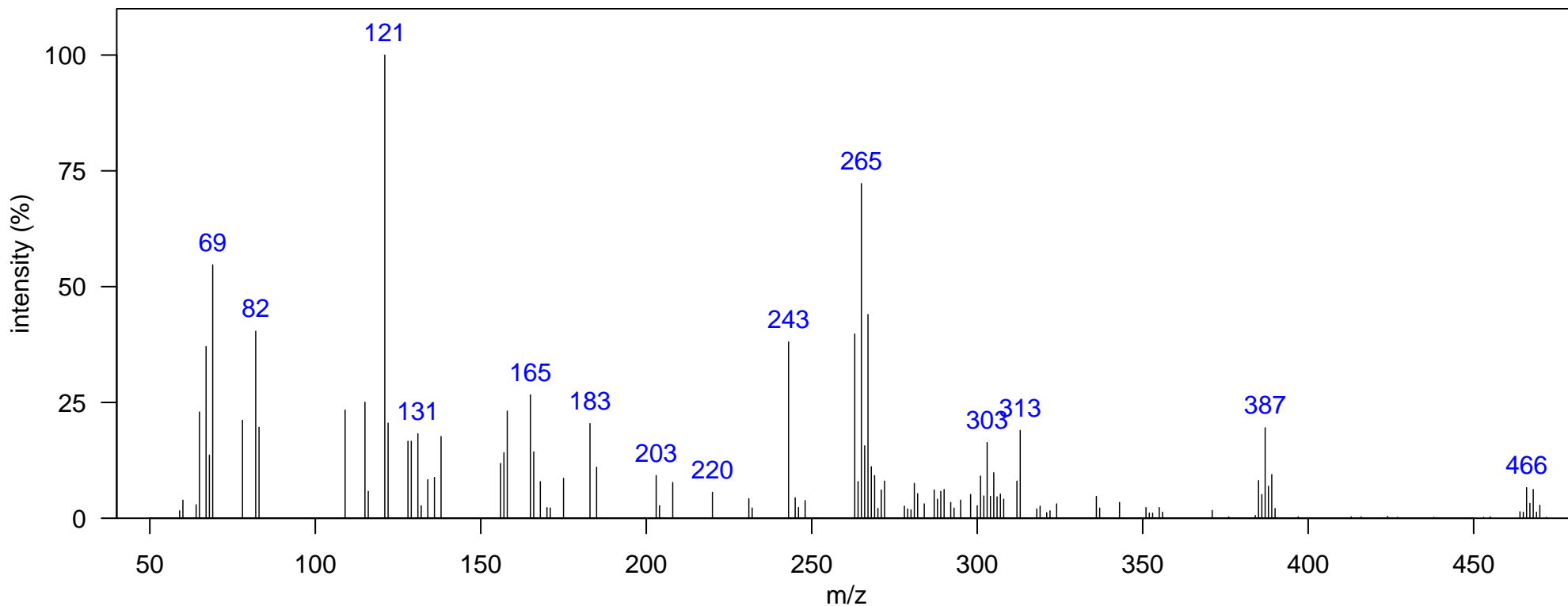
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: PBHD 3Br

Identification: Authentic MS

Comment:



m/z [Fragment]
385 [M-Br] ⁺
464 M ⁺

Name: PBHD 3Br 3

Class: PBHD

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1712.36, 2.171

Elemental Formula: C₁₆H₁₉Br₃O

Ecotype: coastal

Quantitative Ion m/z: 387

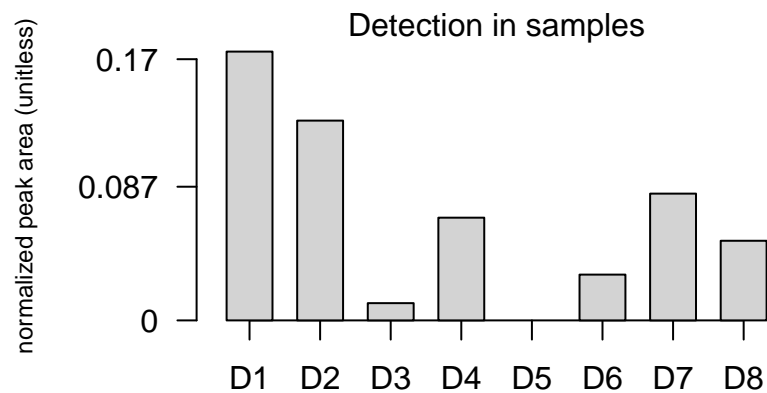
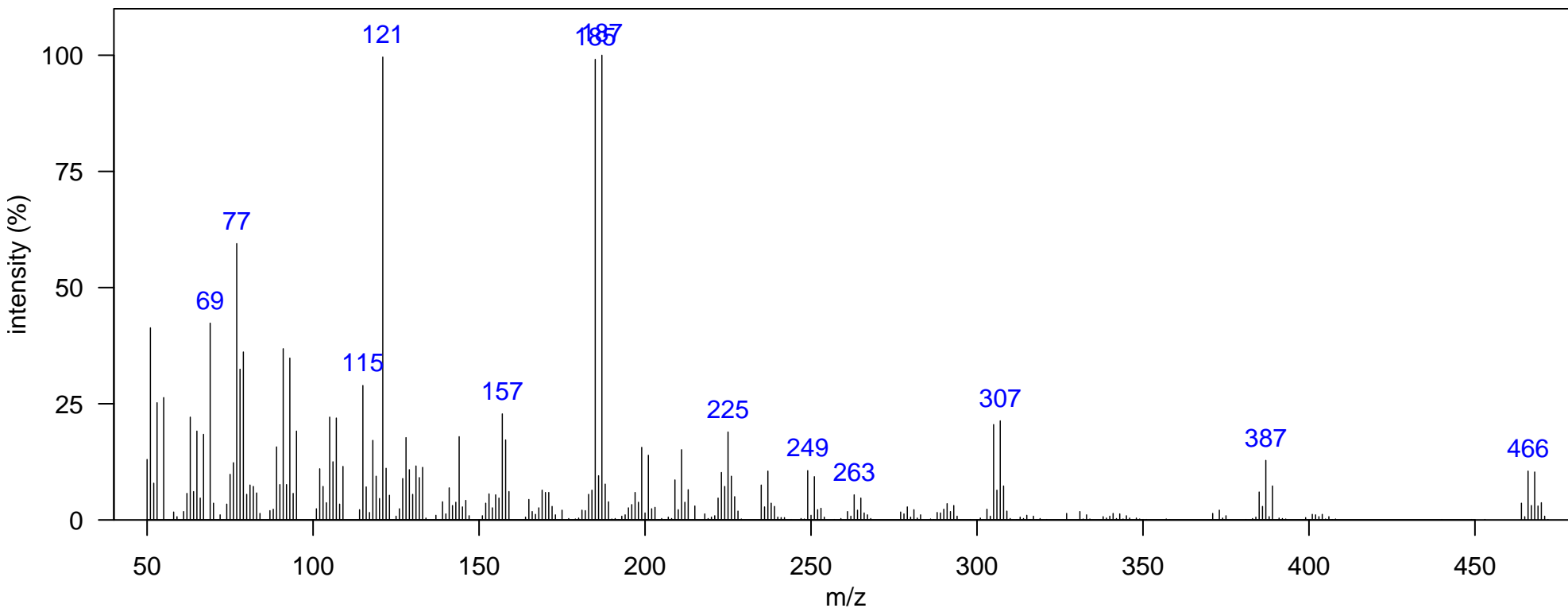
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: PBHD 3Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
385 [M-Br] ⁺
464 M ⁺

Name: PBHD 4Br

Class: PBHD

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1897.76, 2.911

Elemental Formula: C₁₆H₁₈Br₄O

Ecotype: coastal

Quantitative Ion m/z: 546

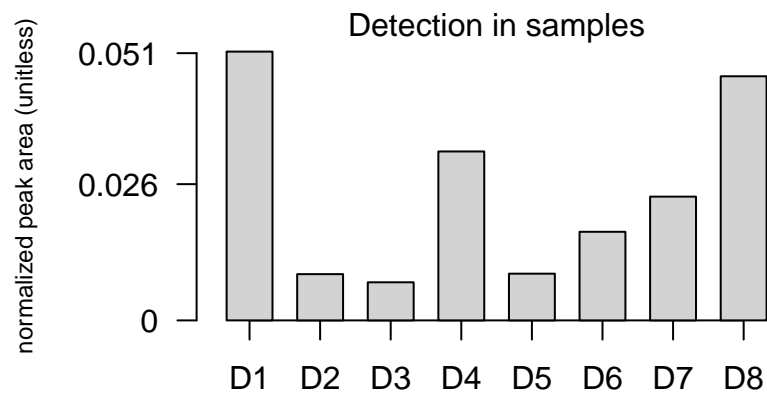
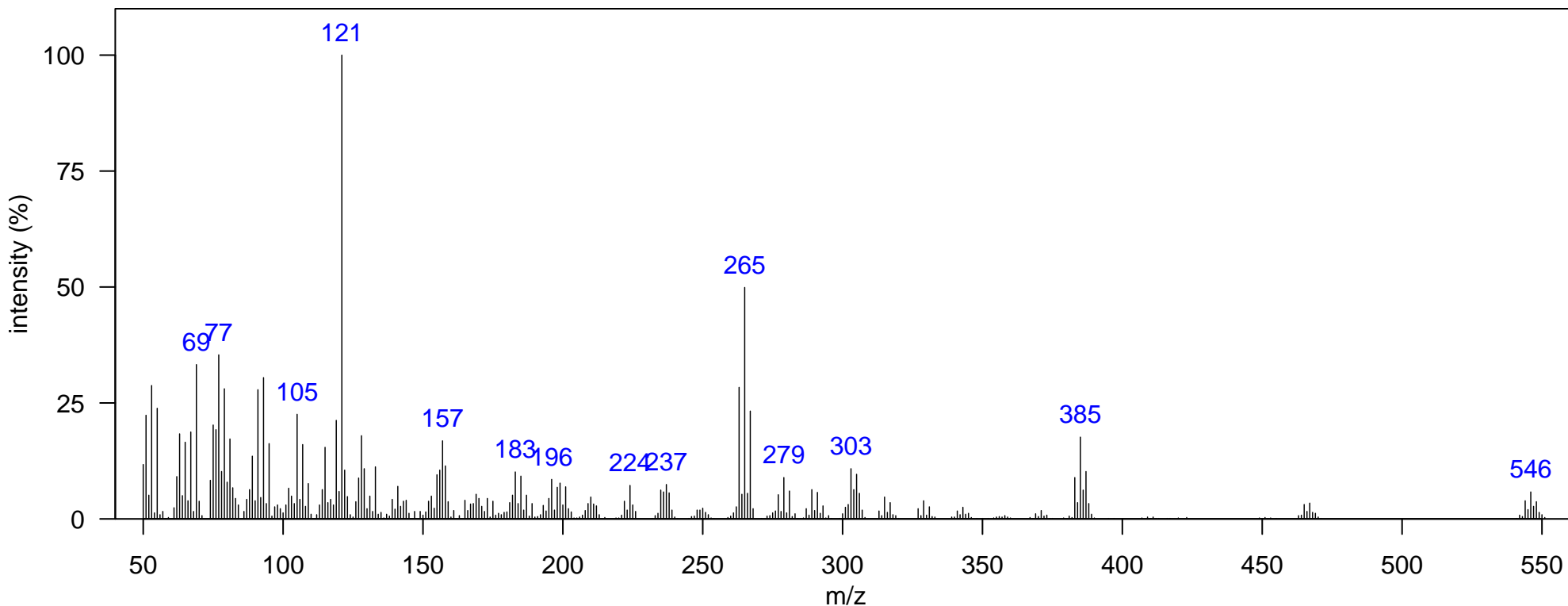
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: PBHD 4Br

Identification: Authentic MS RT

Comment:



m/z [Fragment]
383 [M-HBr ₂] ⁺
463 [M-Br]
542 M ⁺

Name: 5-bromoindole

Class: Brominated indole

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1051.24, 1.346

Elemental Formula: C₈H₆BrN

Ecotype: coastal

Quantitative Ion m/z: 195

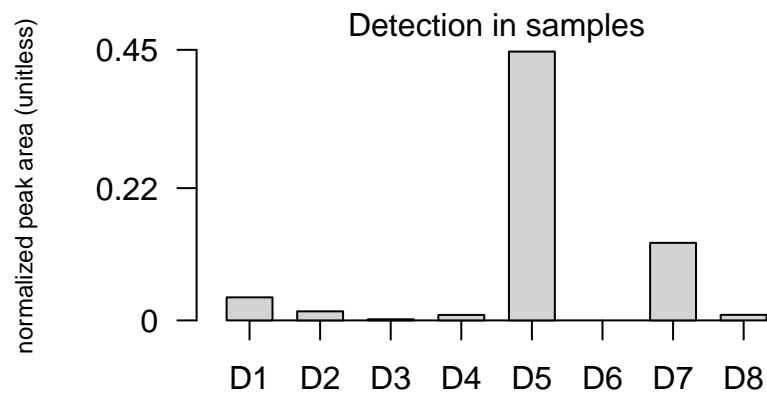
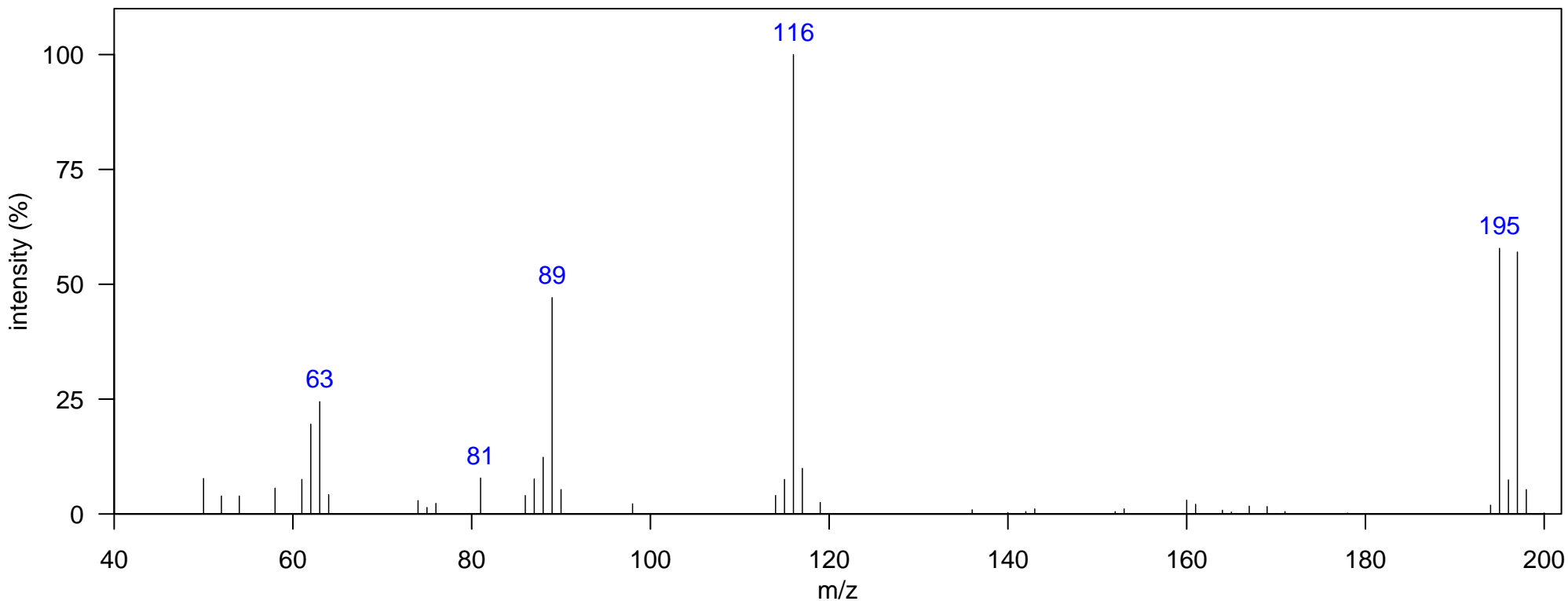
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: bromoindole (isomer)

Identification: Authentic MS RT

Comment:



m/z [Fragment]
89 [M-Br-CN _H] ⁺
116 [M-Br] ⁺
195 M ⁺

Name: 4,6-dibromoindole

Class: Brominated indole

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1264.62, 1.505

Elemental Formula: C₈H₅Br₂N

Ecotype: coastal

Quantitative Ion m/z: 275

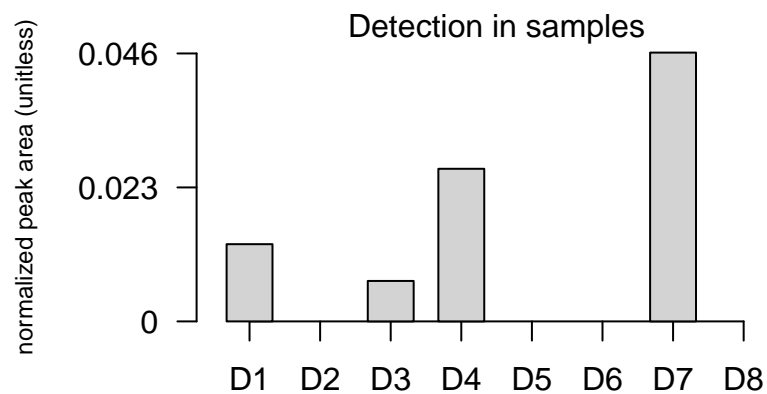
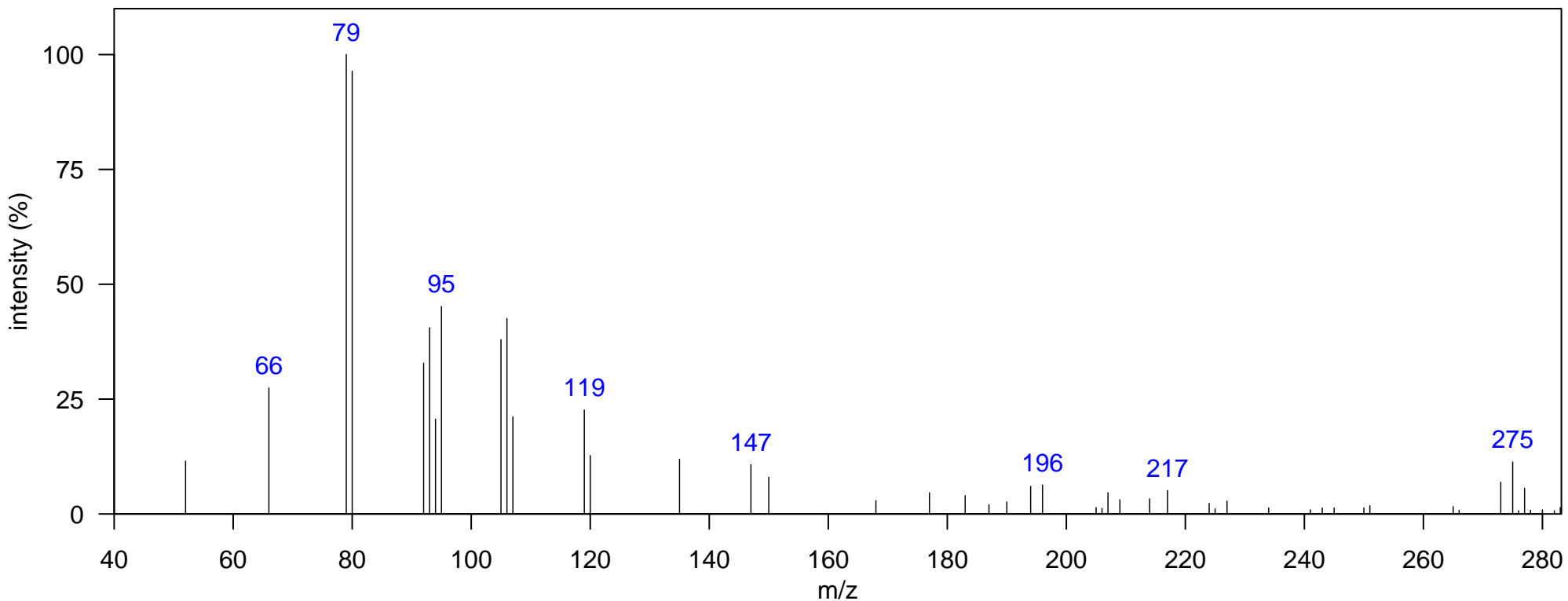
Source: natural

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: dibromoindole

Identification: Authentic MS RT

Comment:



m/z [Fragment]
194 [M-Br] ⁺
273 M ⁺

Name: 2,4,6-tribromo anisole

Class: Brominated anisole

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 1040.75, 1.148

Elemental Formula: C7H5Br3O

Ecotype: coastal

Quantitative Ion m/z: 331

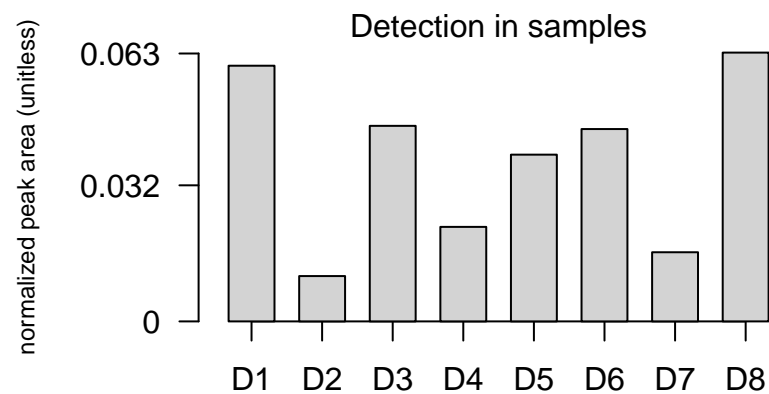
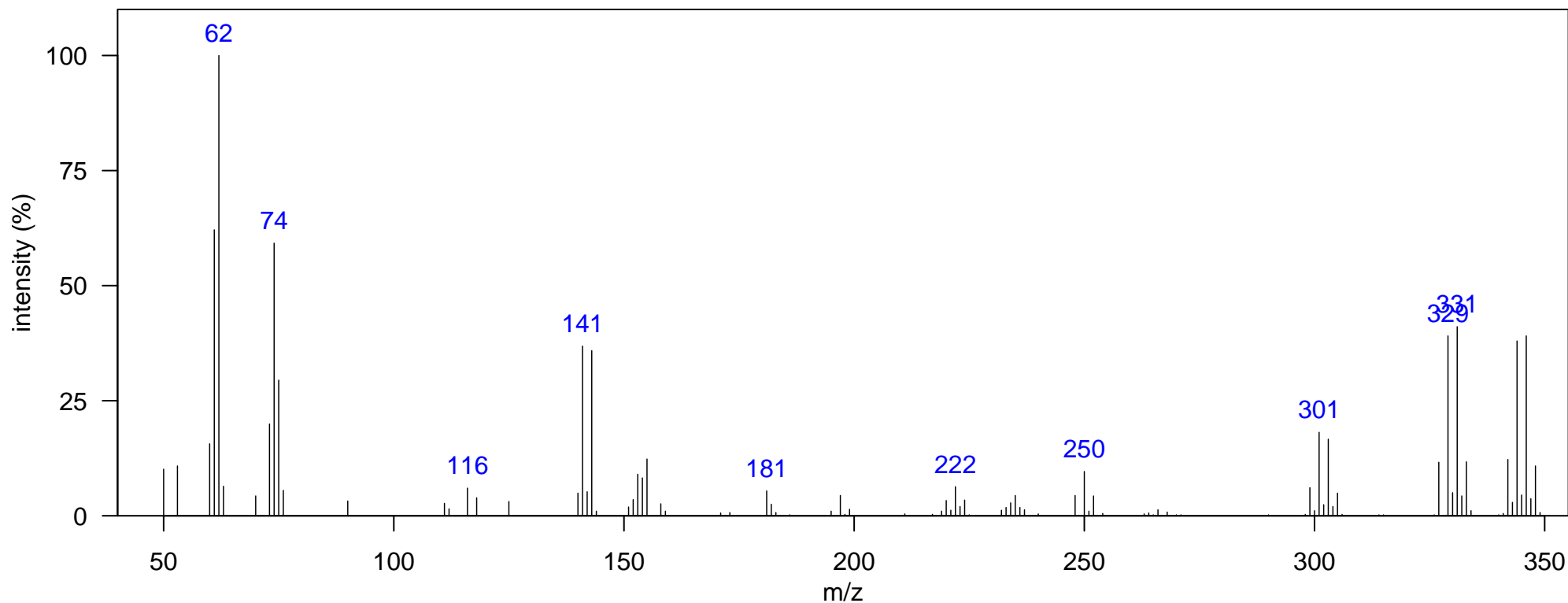
Source: mixed

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: tribromoanisole

Identification: Authentic MS RT

Comment:



m/z [Fragment]
299 [M-CH ₃ -CO] ⁺
327 [M-CH ₃] ⁺
342 M ⁺

Name: chlorinated PAH

Class: Chlorinated PAH

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1544.46, 1.016

Elemental Formula: C₁₆H₁₂Cl₂

Ecotype: coastal

Quantitative Ion m/z: 274

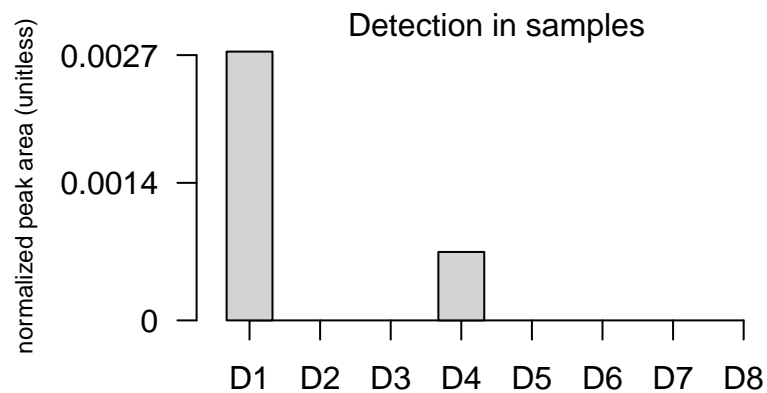
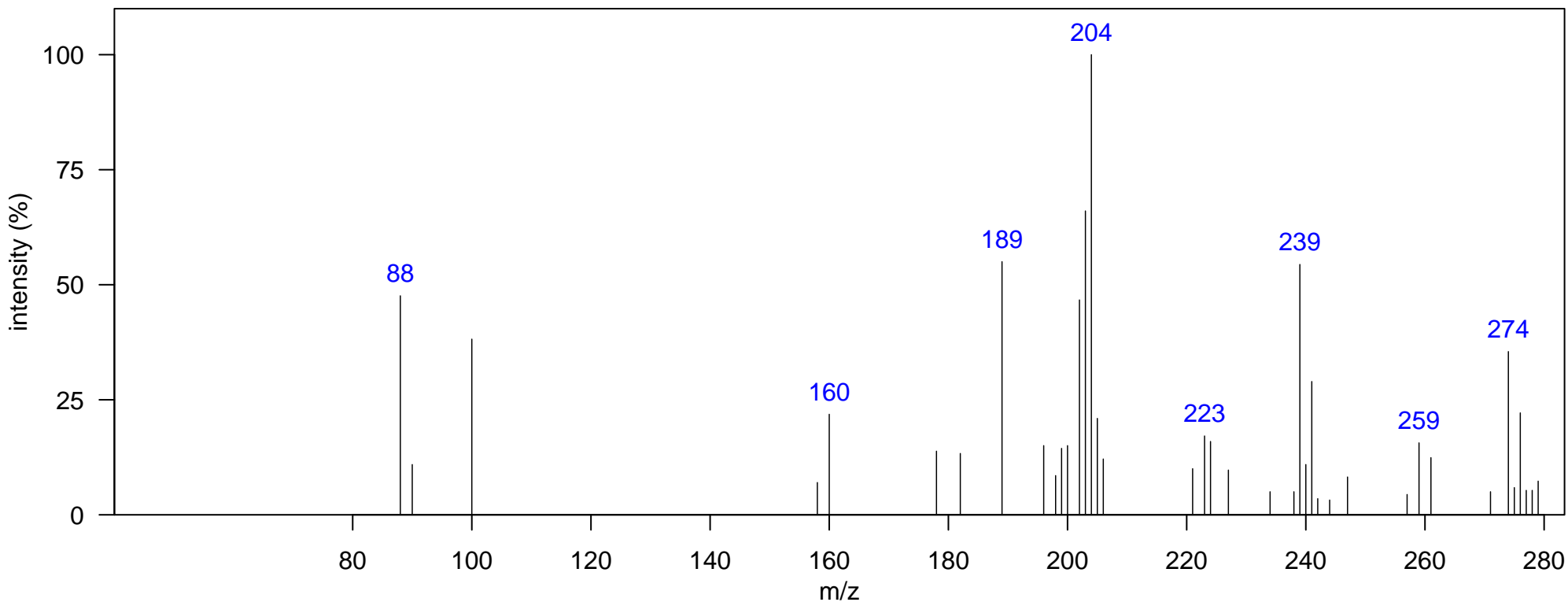
Source: mixed

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS

Comment: Not 9,10 dichloromethylantrance but likely an isomer



m/z [Fragment]
204 [M-Cl ₂] ⁺
239 [M-Cl] ⁺
274 M ⁺

Name: dibromobenzofuran 1

Class: PBDF

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1533.97, 1.109

Elemental Formula: C₁₂H₆Br₂O

Ecotype: coastal

Quantitative Ion m/z: 328

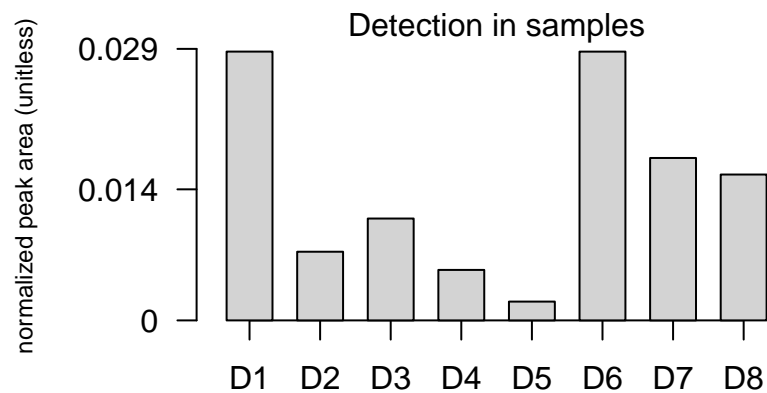
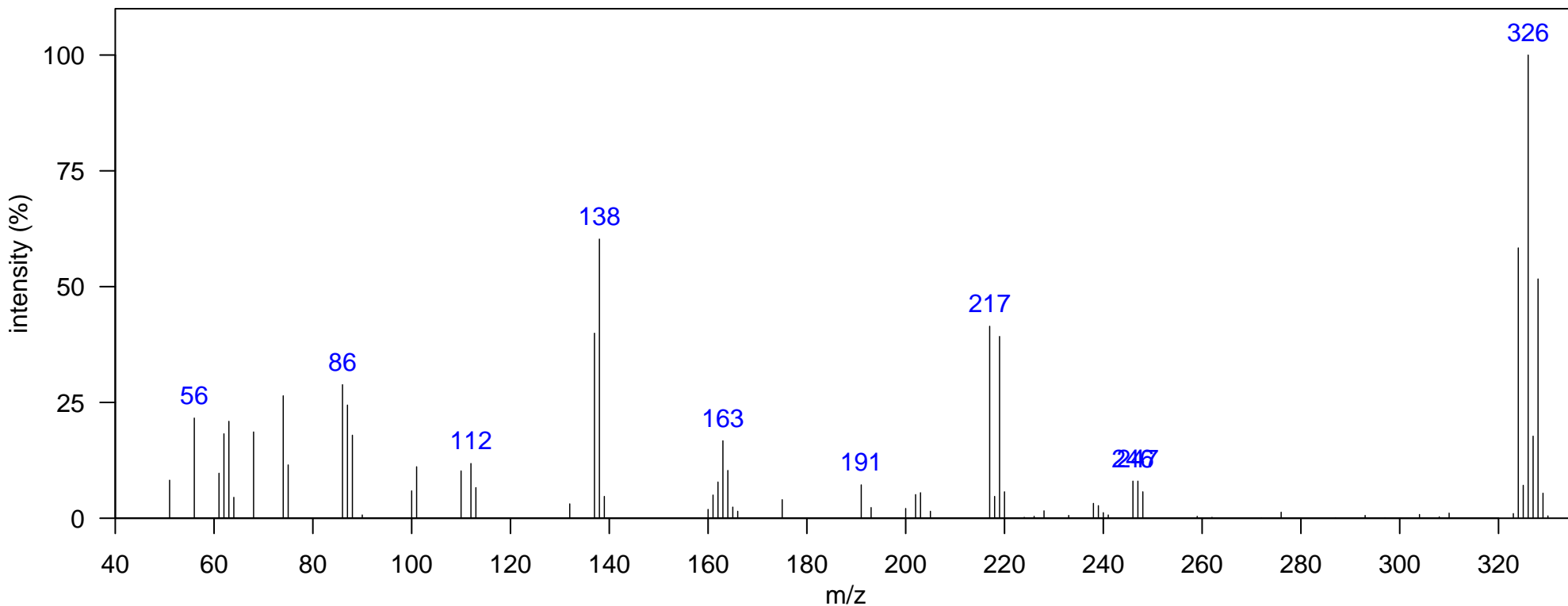
Source: mixed

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS

Comment: not 2,8-dibromo dibenzofuran but likely an isomer



m/z [Fragment]

Name: dibromobenzofuran 2

Class: PBDF

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1642.4, 1.102

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 328

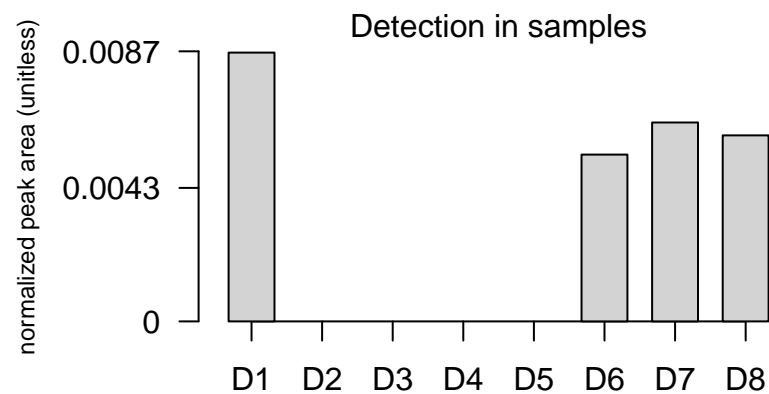
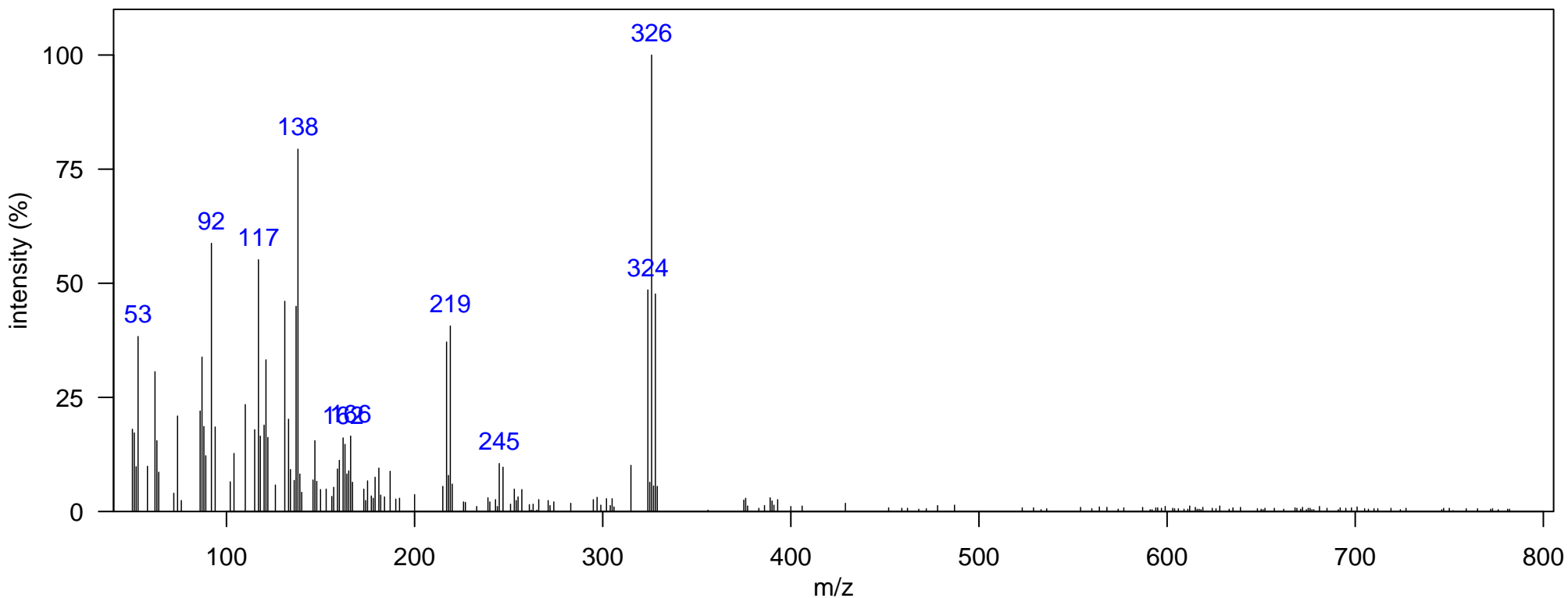
Source: mixed

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Authentic MS

Comment: not 2,8-dibromo dibenzofuran but likely an isomer



m/z [Fragment]

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1359.07, 1.32

Elemental Formula: C₁₂H₆Br₃ClO

Ecotype: offshore

Quantitative Ion m/z: 442

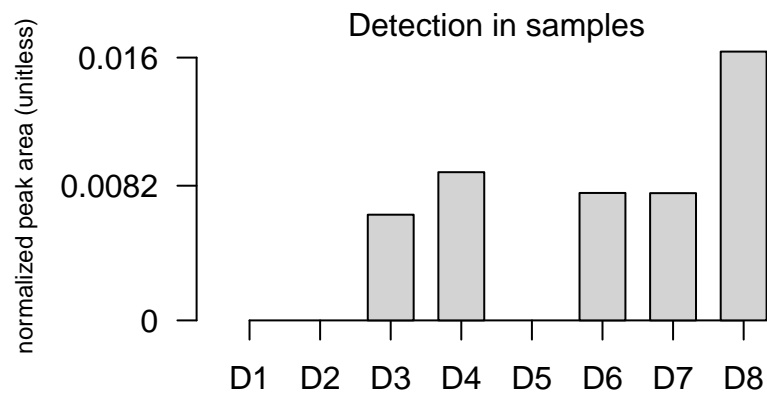
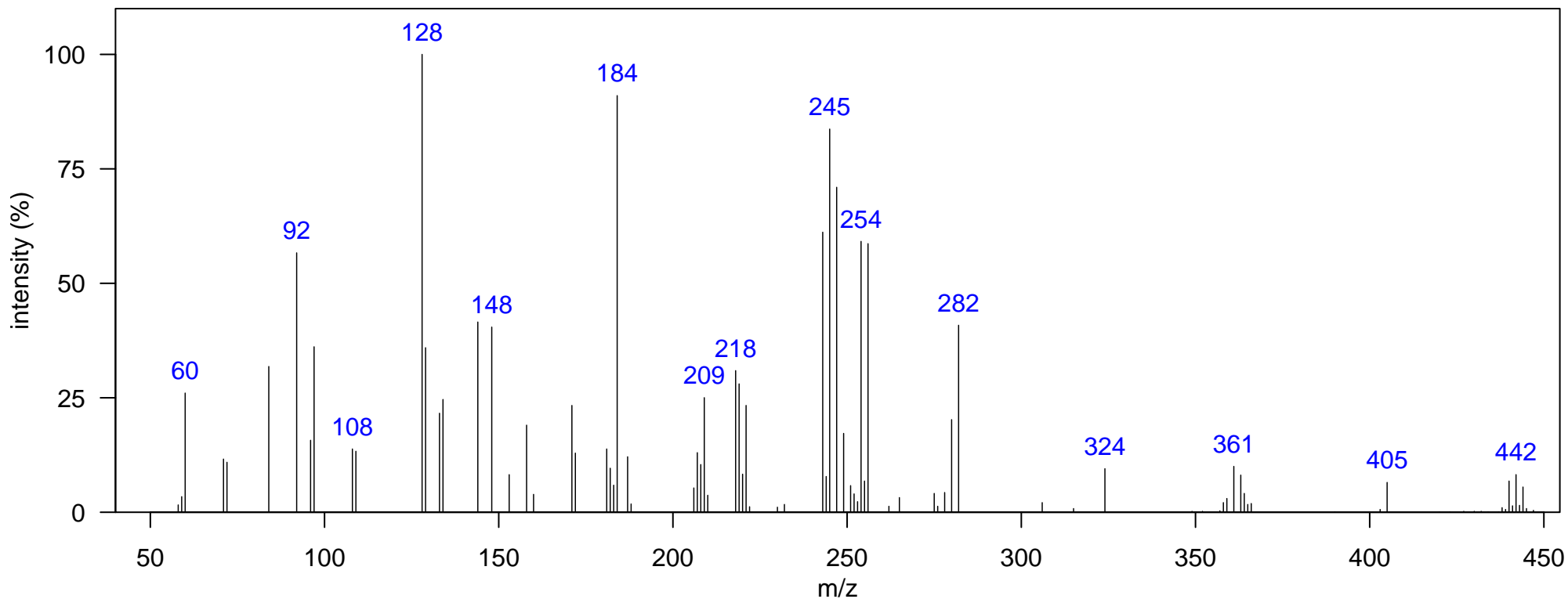
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: B/CDE isomer 1&2

Identification: Manual-Congener Group

Comment:



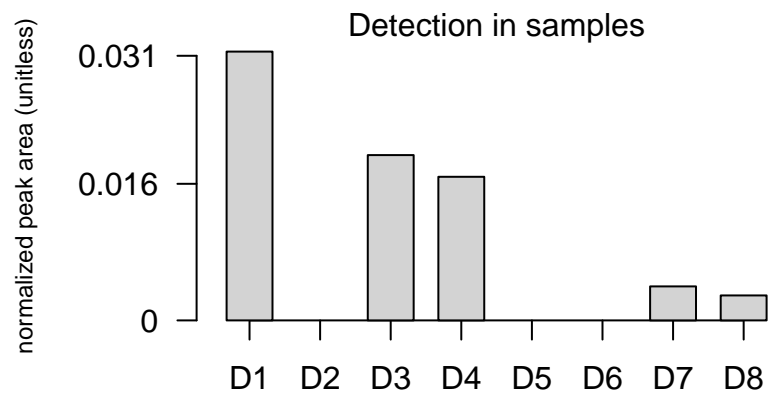
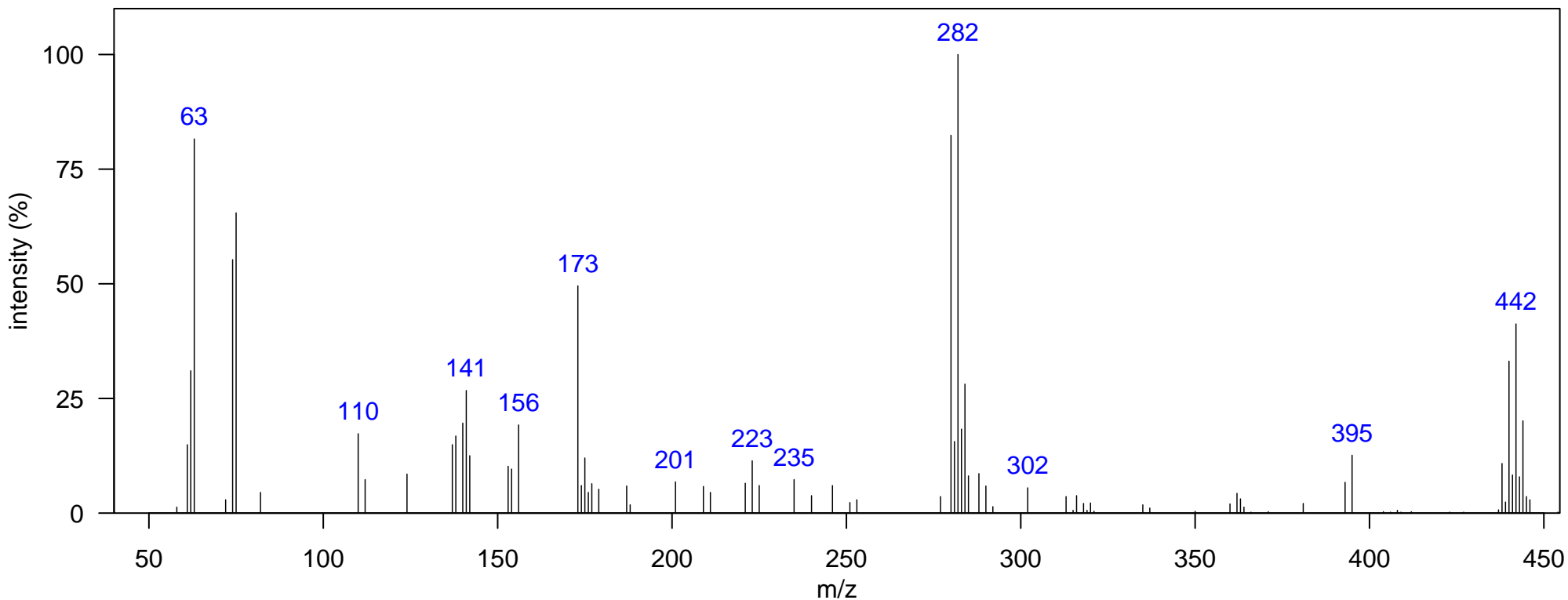
m/z [Fragment]
245 [H-Br ₂ -Cl]
280 [M-Br ₂] ⁺
438 M ⁺

Name: PBCDE Br3Cl 2

Class: B/CDE

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1478, 1.459
Ecotype: coastal Quantitative Ion m/z: 442
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: B/CDE isomer 1&2
Comment:

Elemental Formula: C₁₂H₆Br₃ClO
Source: unknown
Identification: Manual-Congener Group



m/z [Fragment]
280 [M-Br ₂] ⁺
438 M ⁺

Name: PBCDE Br3Cl 3

Class: B/CDE

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1484.99, 1.465

Elemental Formula: C₁₂H₆Br₃ClO

Ecotype: coastal

Quantitative Ion m/z: 442

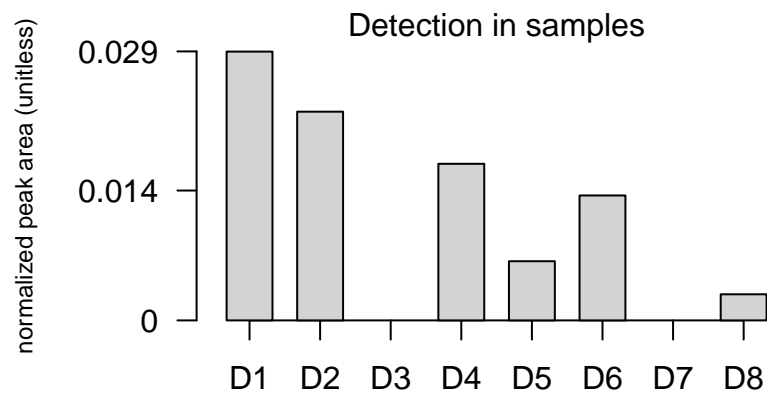
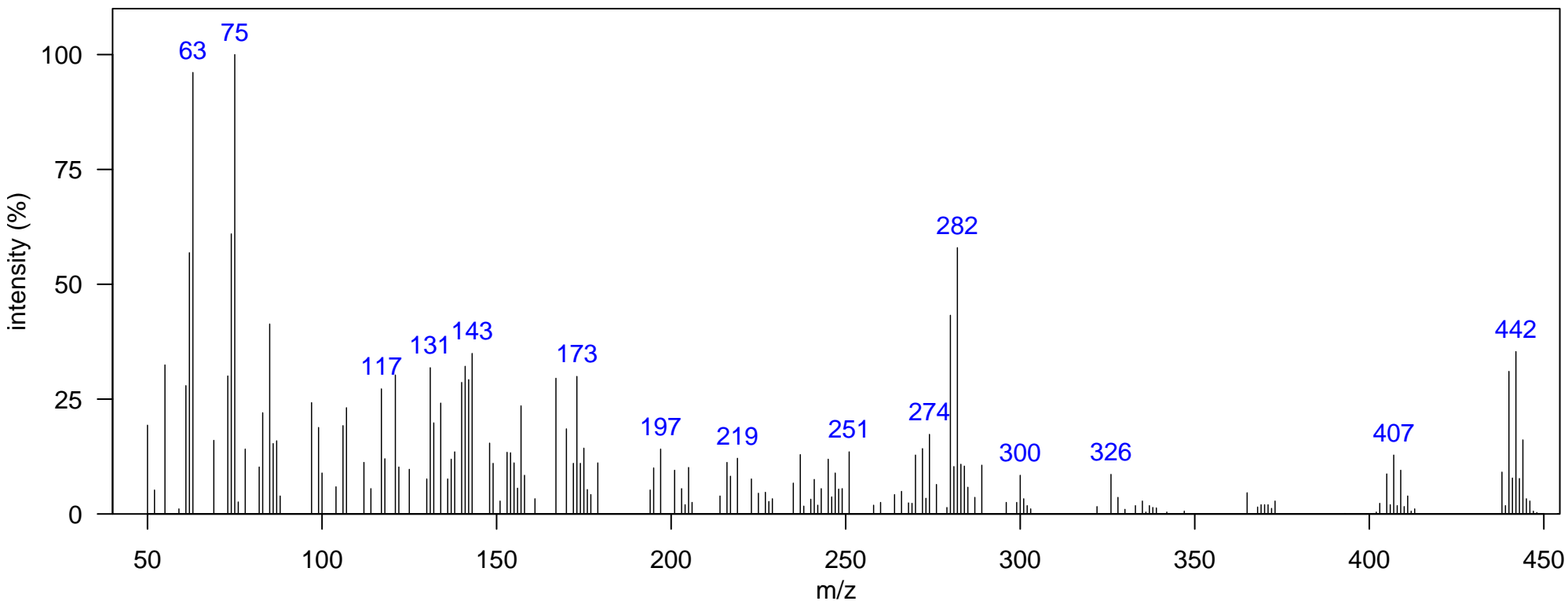
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: B/CDE isomer 1&2

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
280 [M-Br ₂] ⁺
438 M ⁺

Name: MeOCDE 8Cl 1

Class: MeO-CDE

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 1705.37, 1.888

Elemental Formula: C₁₃H₄Cl₈O₂

Ecotype: coastal

Quantitative Ion m/z: 476

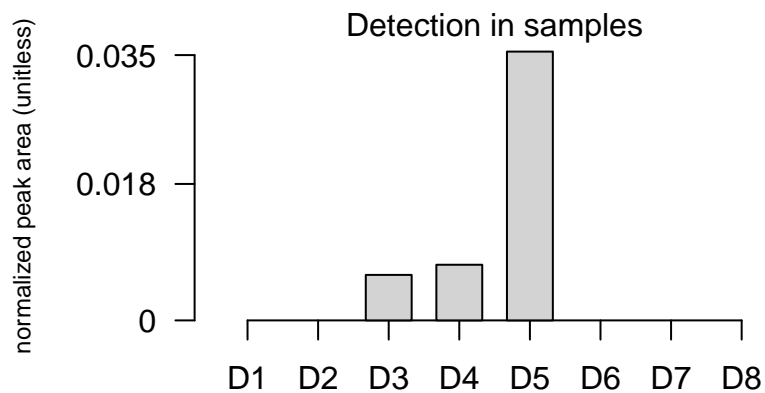
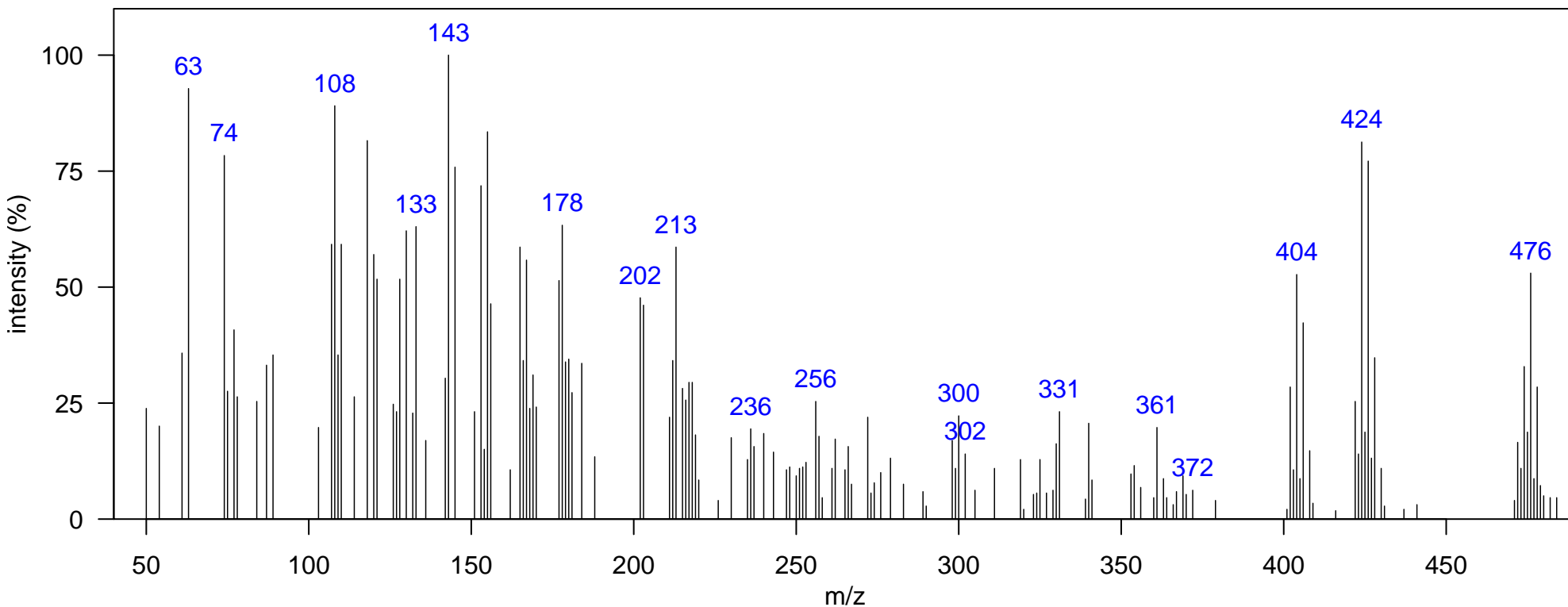
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MeO-CDE 8Cl

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
402 [M-Cl ₂] ⁺
422 [M-Cl-CH ₃] ⁺
472 M ⁺

Name: MeOCDE 8Cl 2

Class: MeO-CDE

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1820.8, 2.264

Elemental Formula: C₁₃H₄Cl₈O₂

Ecotype: coastal

Quantitative Ion m/z: 476

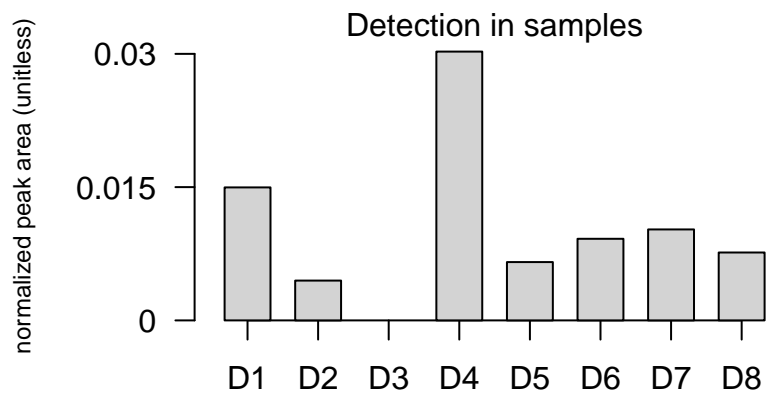
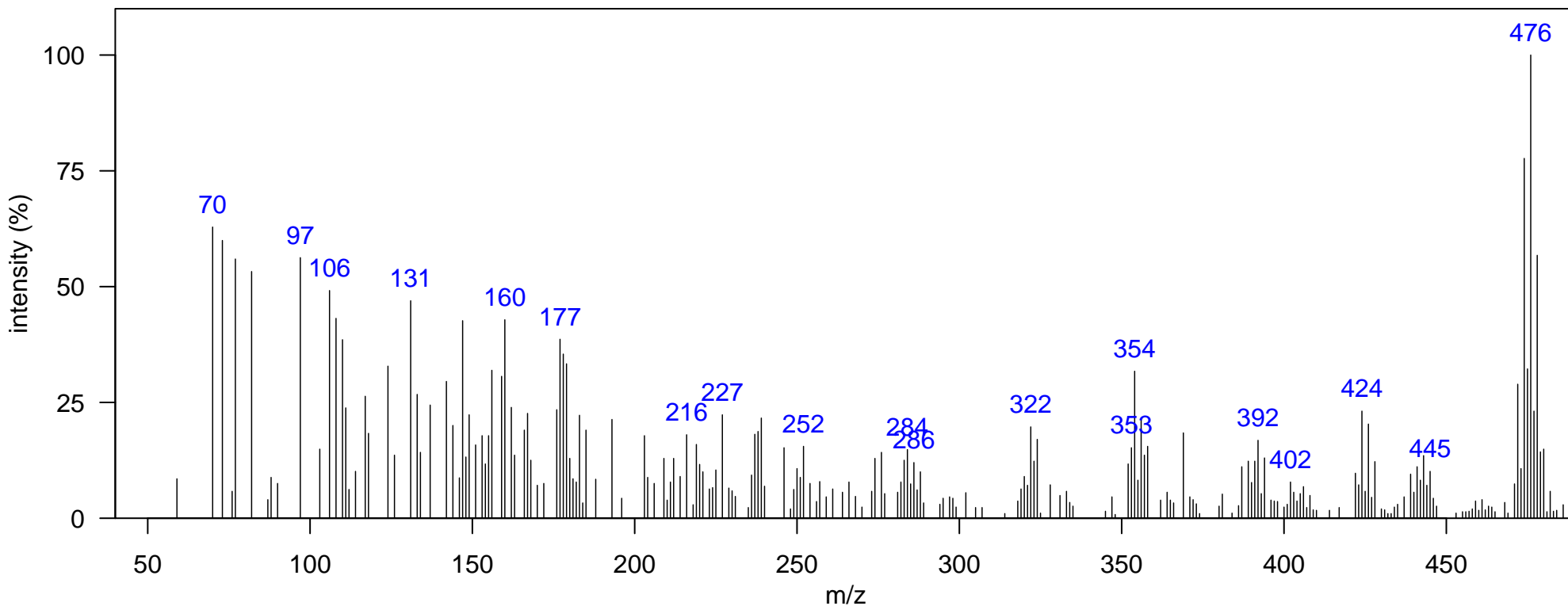
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: MeO-CDE 8Cl

Identification: Manual-Congener Group

Comment:



m/z [Fragment]
402 [M-Cl ₂] ⁺
422 [M-Cl-CH ₃] ⁺
472 M ⁺

Name: bromomethyl biphenyl

Class: Bromomethylbiphenyl

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1537.46, 0.898

Elemental Formula: C₁₃H₁₁Br

Ecotype: offshore

Quantitative Ion m/z: 248

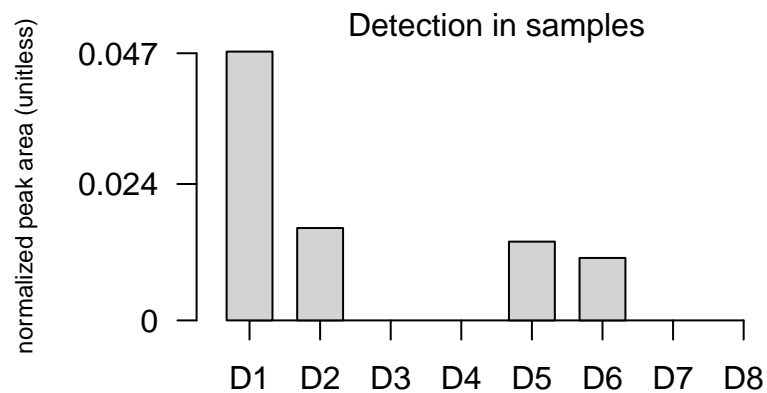
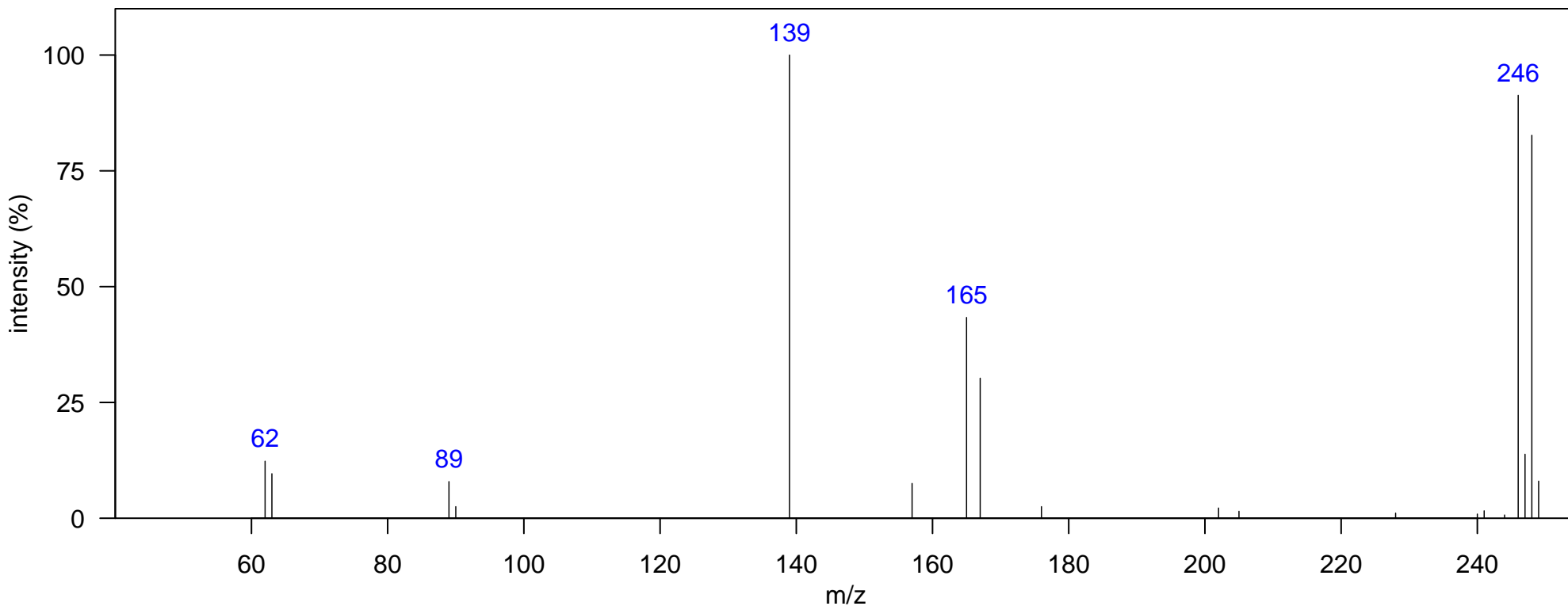
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Reference Database MS

Comment:



m/z [Fragment]
165 [M-H ₂ Br] ⁺
167 [M-Br] ⁺
246 M ⁺

Name: benzonitrile 3Cl

Class: Trichloro benzonitrile

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1233.14, 1.175

Elemental Formula: C7H2Cl3N

Ecotype: offshore

Quantitative Ion m/z: 207

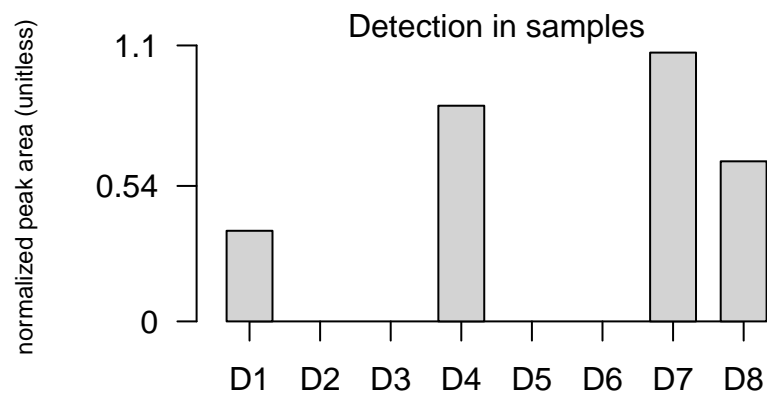
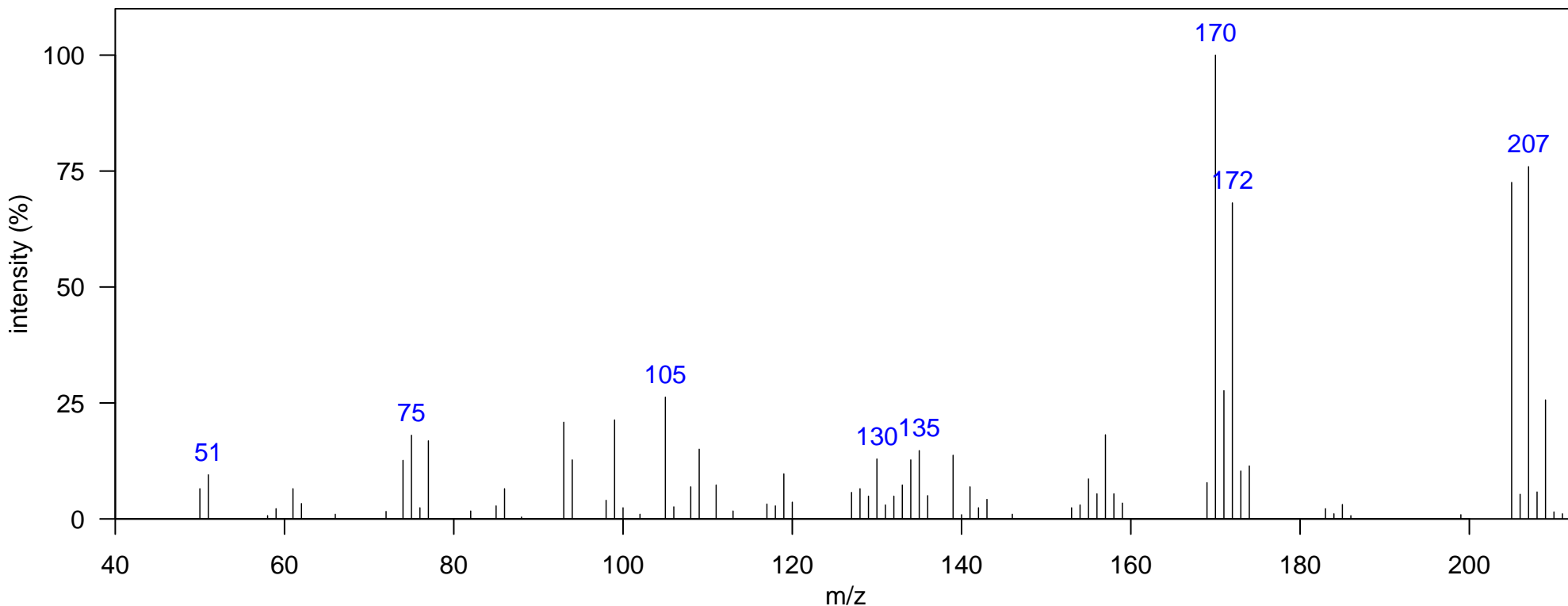
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Reference Database MS

Comment:



m/z [Fragment]
170 [M-Cl] ⁺
205 M ⁺

Name: chlorobenzaldehyde

Class: Chlorobenzaldehyde

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 652.47, 1.043

Elemental Formula: C7H5ClO

Ecotype: offshore

Quantitative Ion m/z: 139

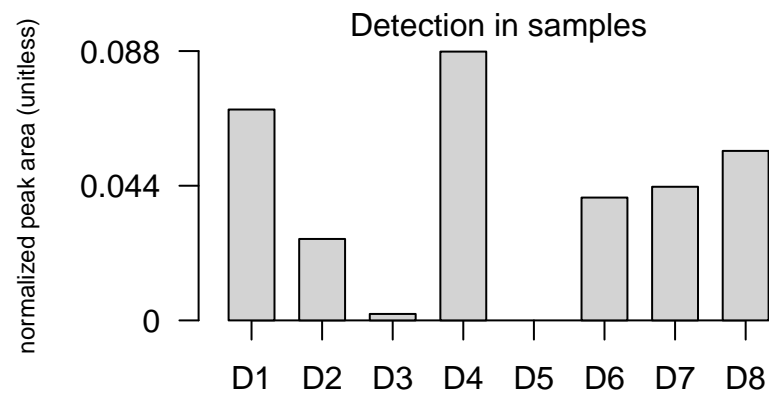
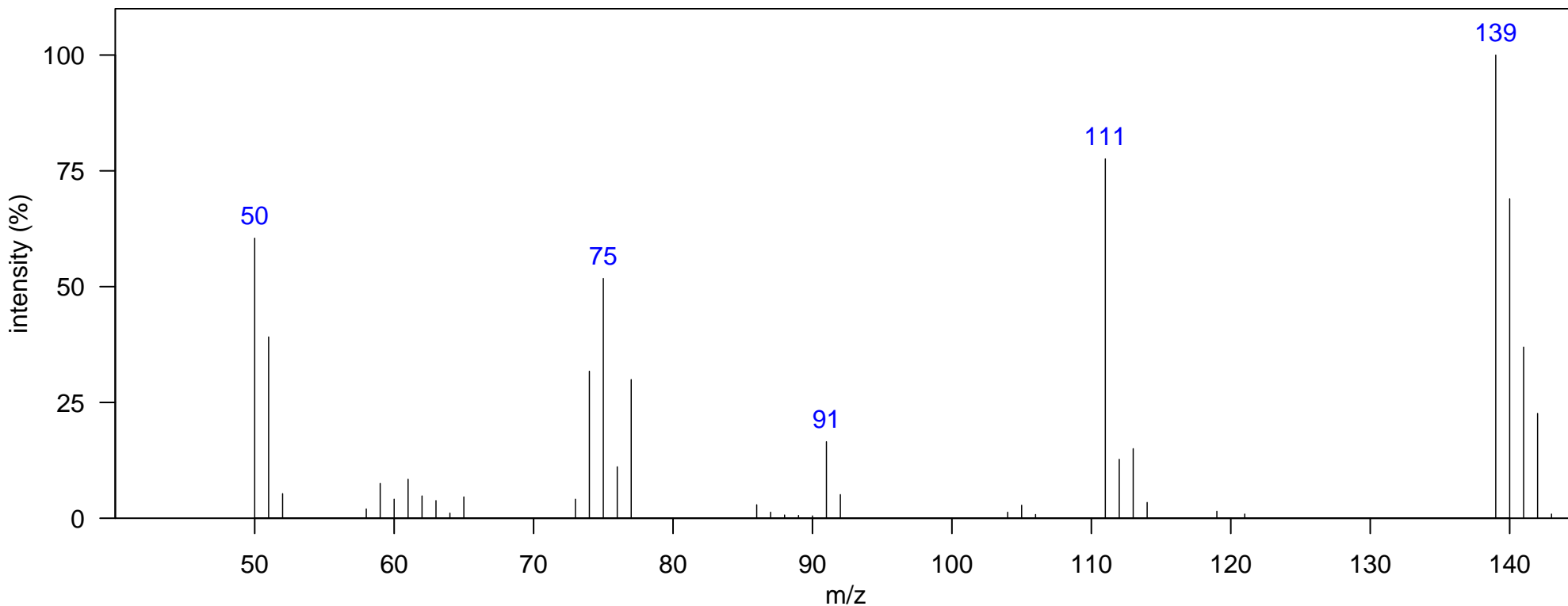
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification: Reference Database MS

Comment:



m/z [Fragment]
111 [M-CO] ⁺
139 [M-H] ⁺

Name: unknown-1-1

Class: Unknown-1

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 1026.76, 1.089

Elemental Formula: C₁₀H₁₃Cl₃

Ecotype: coastal

Quantitative Ion m/z: 167

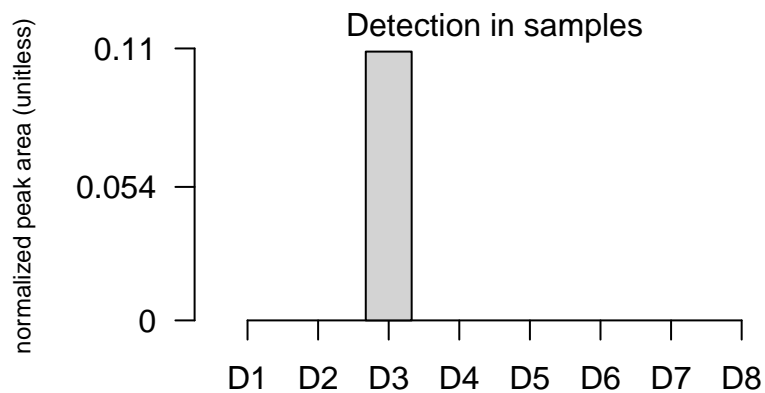
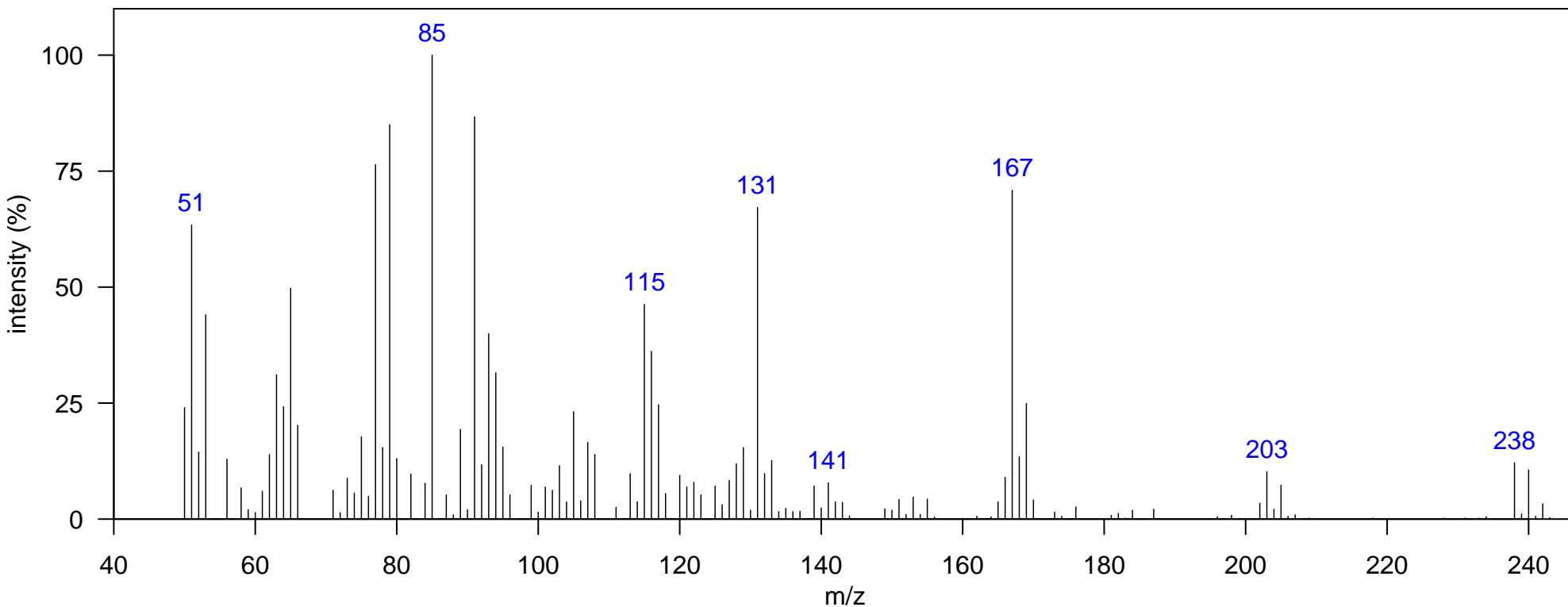
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: sharing common m/z ions and the pattern. Could be chlordane/toxaphene related



m/z [Fragment]

Name: unknown-1-2

Class: Unknown-1

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 1072.23, 1.102

Elemental Formula: C₁₀H₁₃Cl₃

Ecotype: coastal

Quantitative Ion m/z: 167

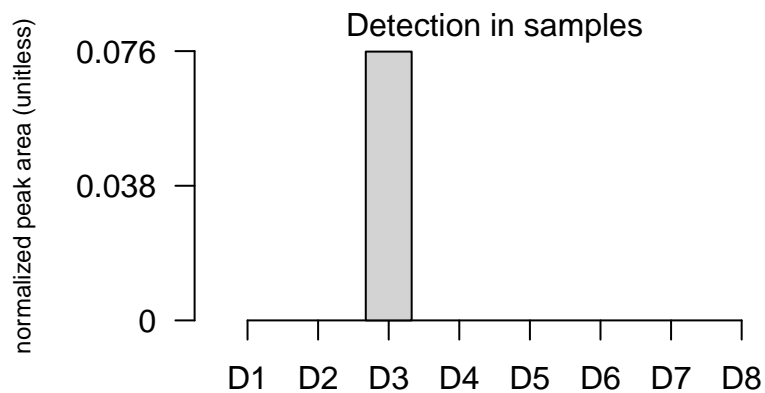
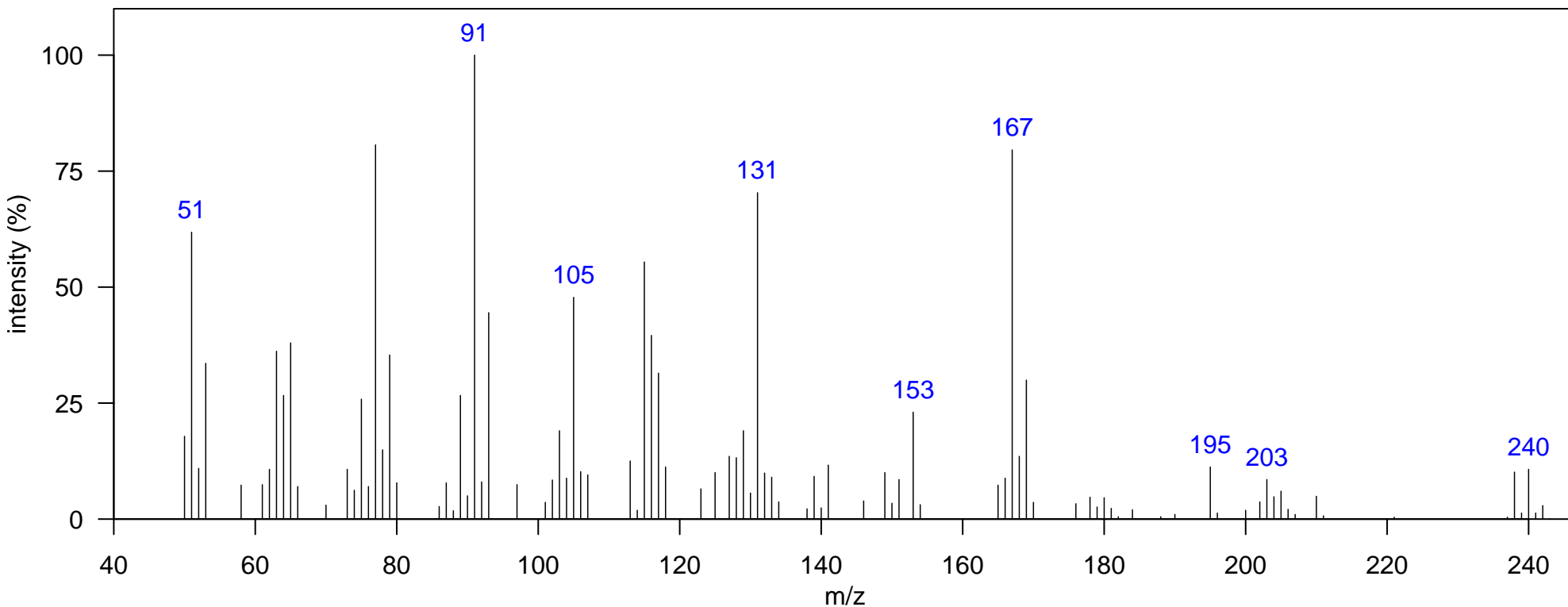
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: sharing common m/z ions and the pattern. Could be chlordane/toxaphene related



m/z [Fragment]

Name: unknown-1-3

Class: Unknown-1

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1439.52, 1.016

Elemental Formula: C₁₀H₈Cl₆

Ecotype: offshore

Quantitative Ion m/z: 305

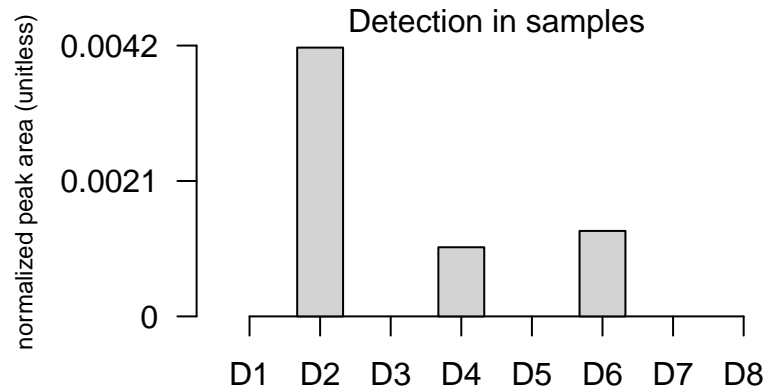
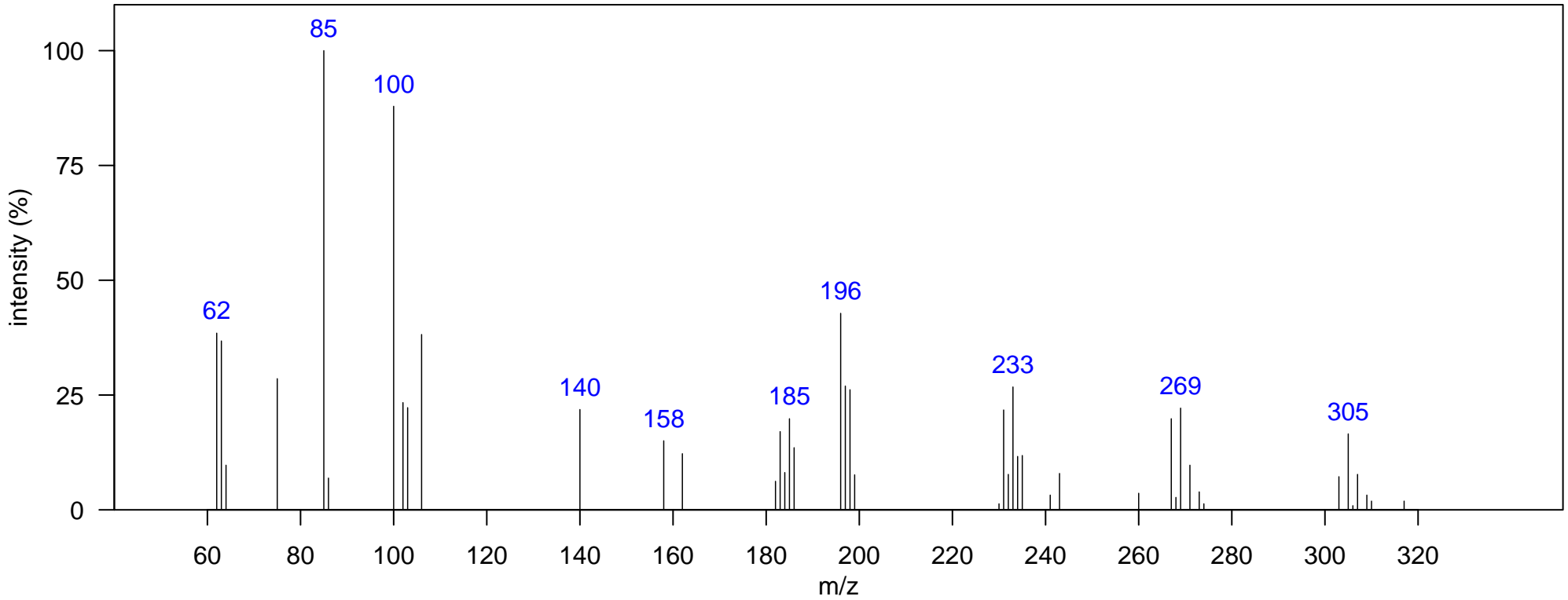
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: sharing common m/z ions and the pattern. Could be chlordane/toxaphene related



m/z [Fragment]

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1498.99, 1.102

Elemental Formula: C₁₀H₈Cl₆

Ecotype: offshore

Quantitative Ion m/z: 269

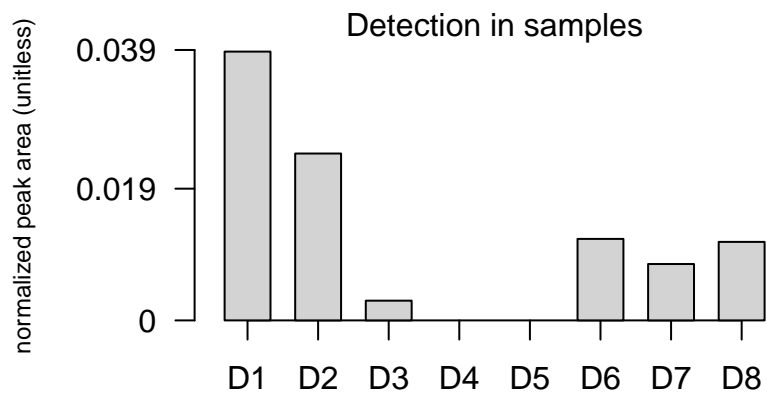
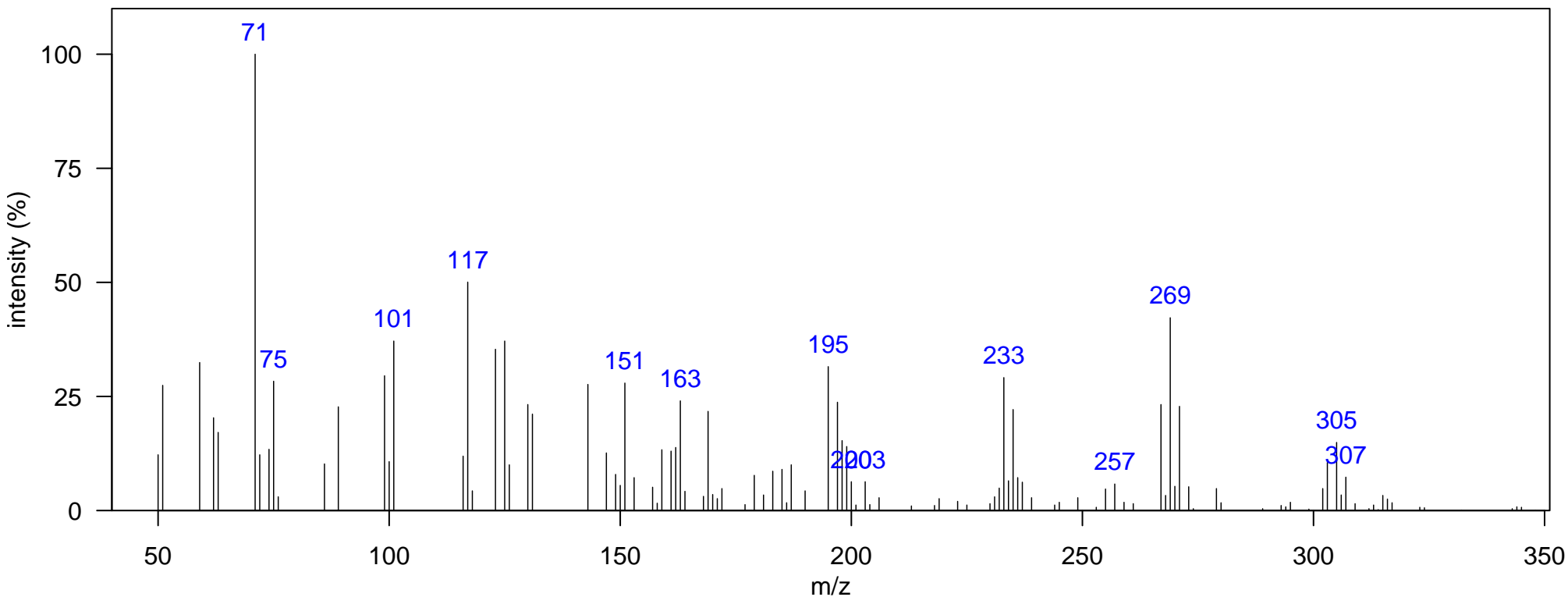
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: sharing common m/z ions and the pattern. Could be chlordane/toxaphene related



m/z [Fragment]

Name: unknown-1-5

Class: Unknown-1

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1495.49, 0.977

Elemental Formula: C₁₀H₉Cl₅

Ecotype: coastal

Quantitative Ion m/z: 233

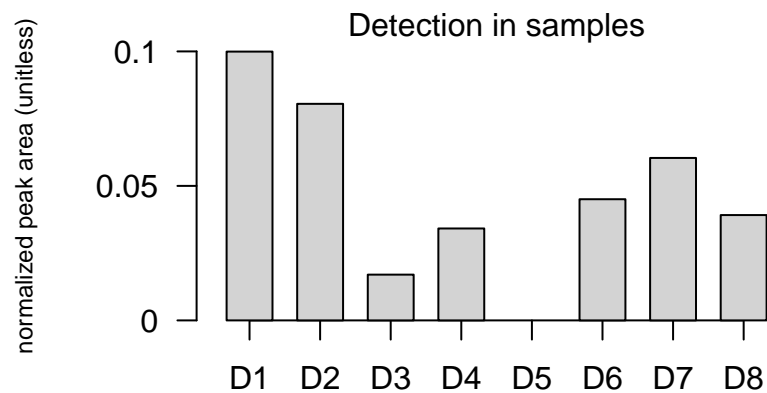
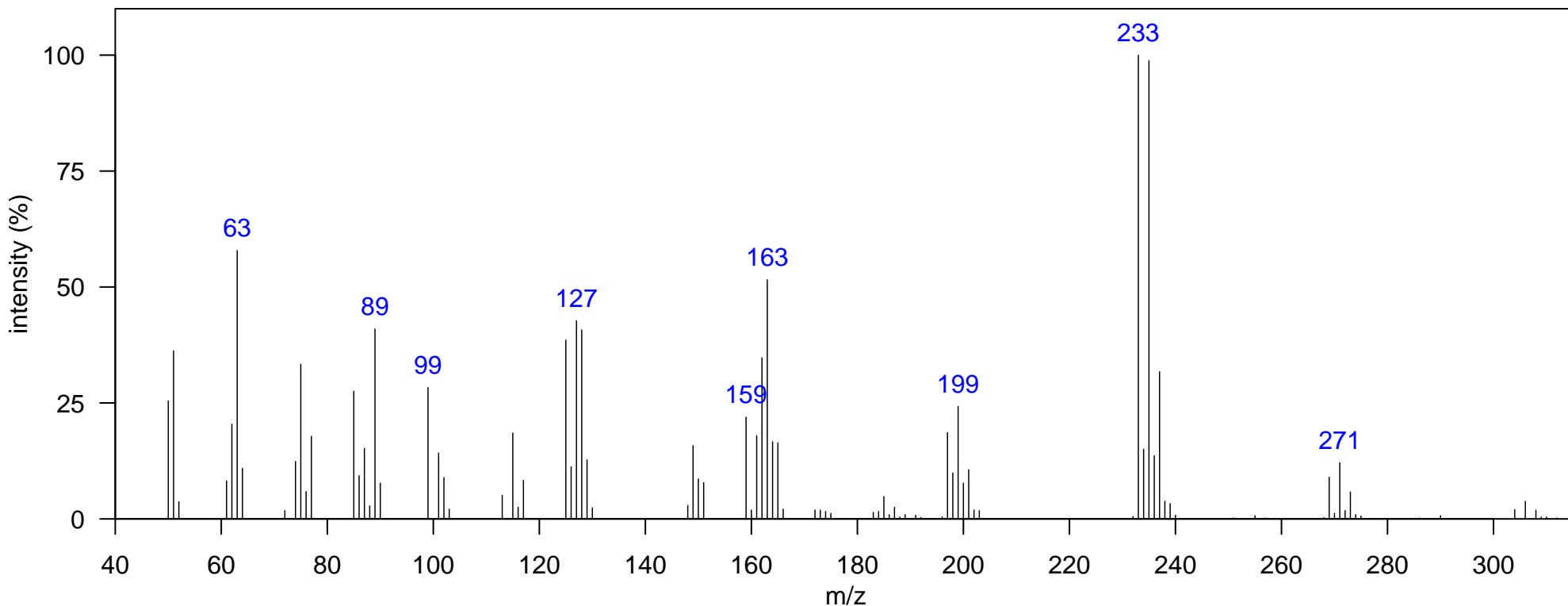
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: sharing common m/z ions and the pattern. Could be chlordane/toxaphene related



m/z [Fragment]

Name: unknown-1-6

Class: Unknown-1

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1558.45, 1.03

Elemental Formula: C₁₀H₈Cl₆

Ecotype: offshore

Quantitative Ion m/z: 305

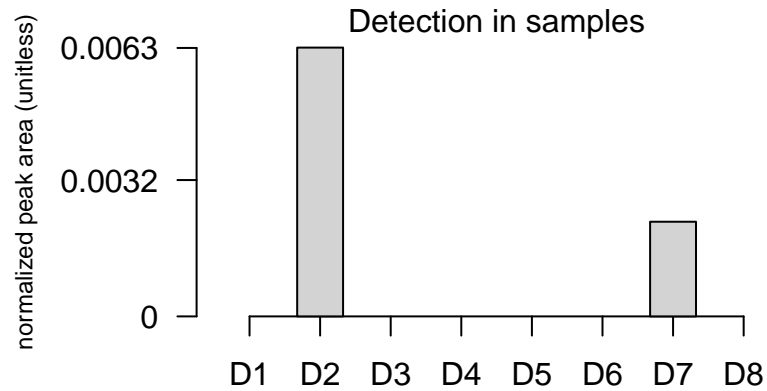
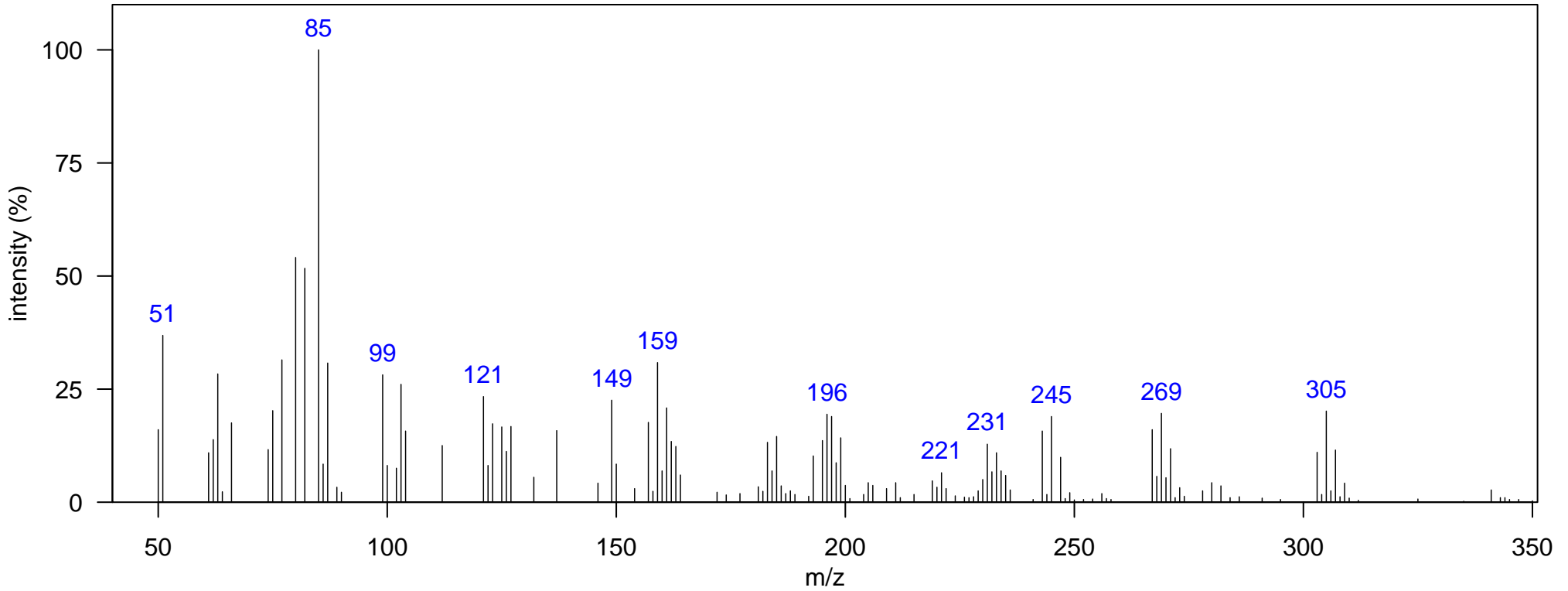
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: sharing common m/z ions and the pattern. Could be chlordane/toxaphene related



m/z [Fragment]

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1306.6, 1.327

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 139

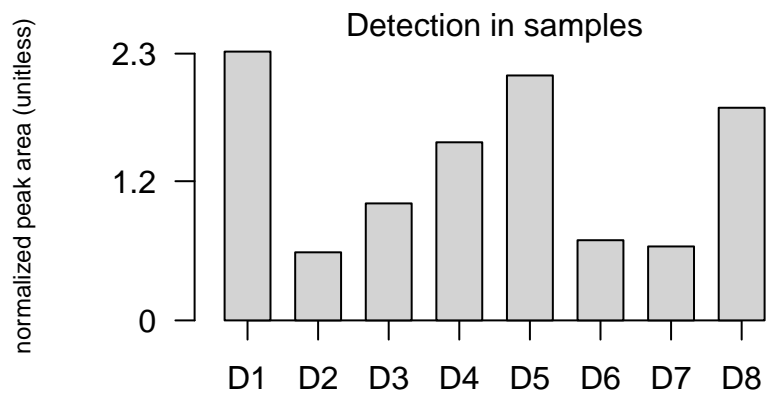
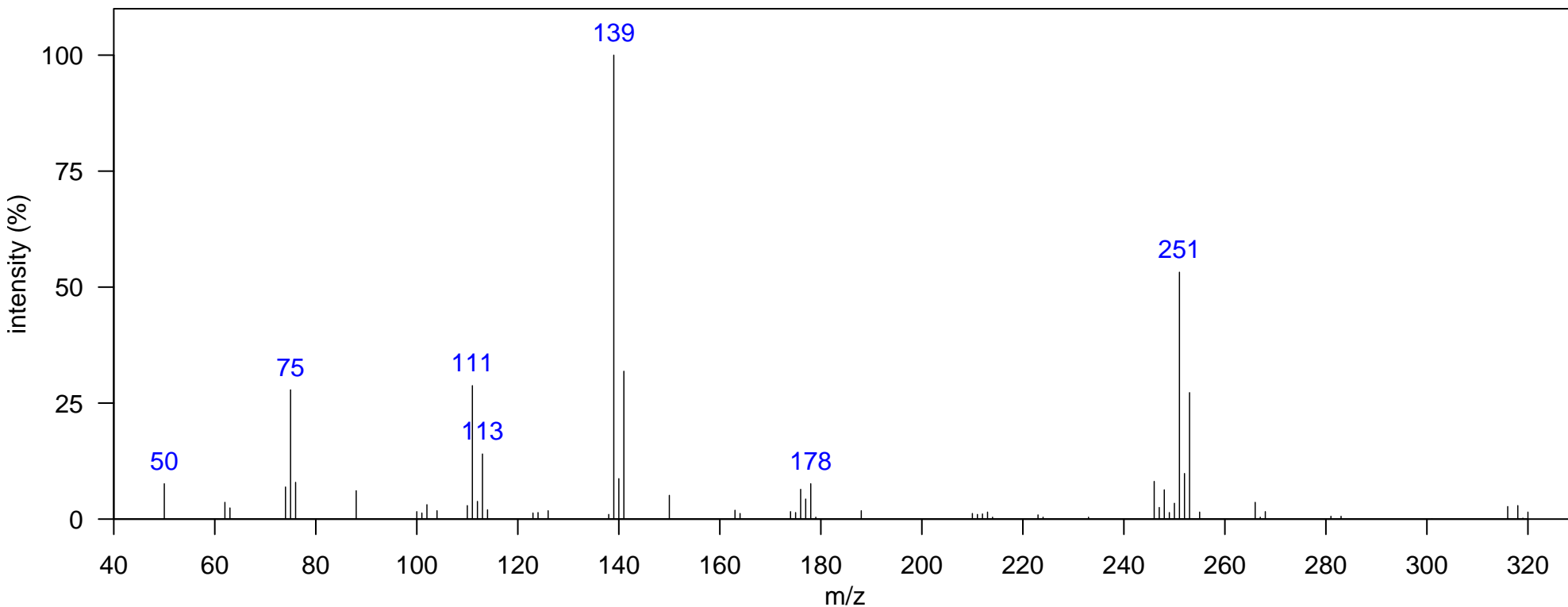
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: NIST ID is chloropropylate. sharing common m/z ions and the pattern/could be DDT related metabolites



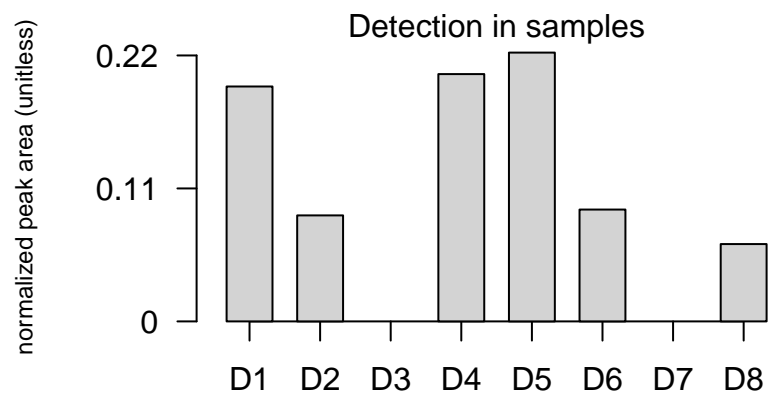
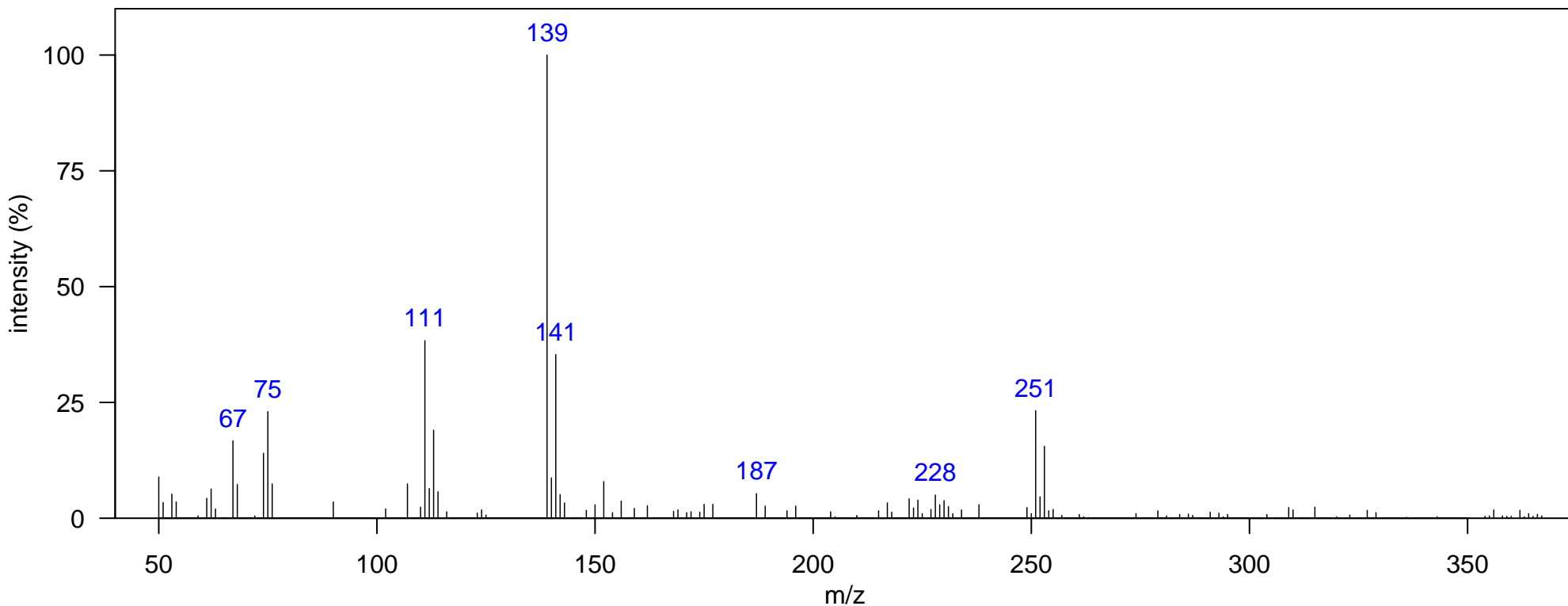
m/z [Fragment]

Name: unknown-2-2

Class: Unknown-2

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1603.93, 1.894
Ecotype: coastal Quantitative Ion m/z: 139
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: Hypothesized TCPMe.

Elemental Formula: C₁₉H₁₃Cl₃O
Source: unknown
Identification: Authentic MS



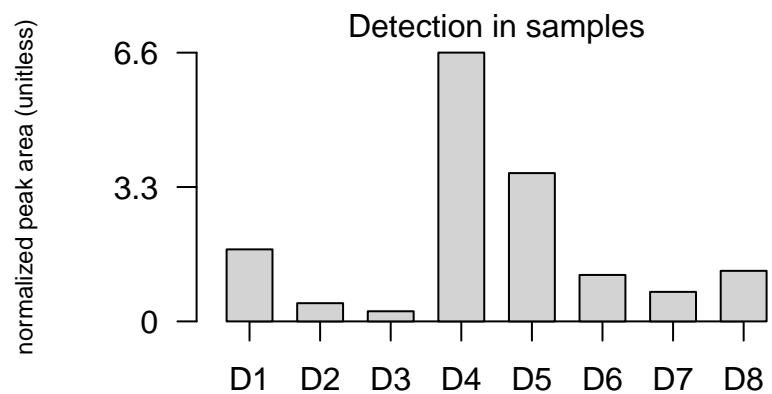
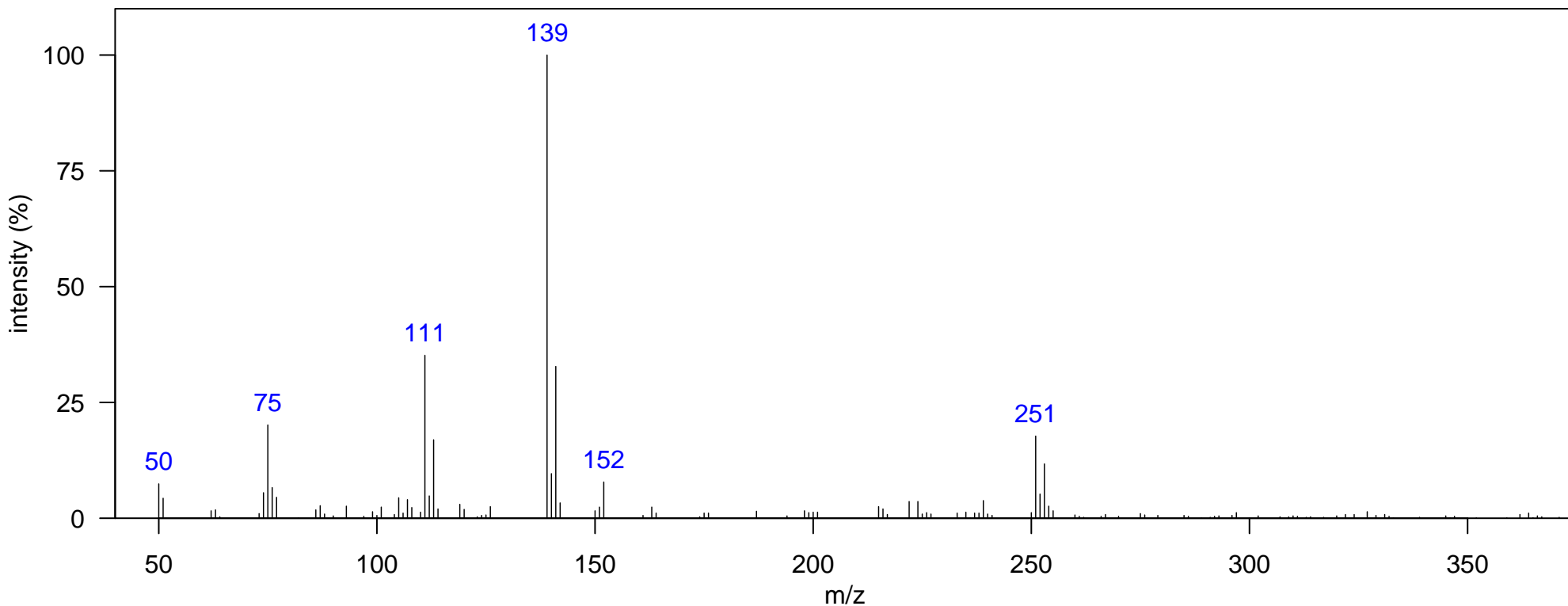
m/z [Fragment]

Name: unknown-2-3

Class: Unknown-2

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1621.42, 1.927
Ecotype: offshore Quantitative Ion m/z: 139
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: Hypothesized TCPMe.

Elemental Formula: C₁₉H₁₃Cl₃O
Source: unknown
Identification: Authentic MS



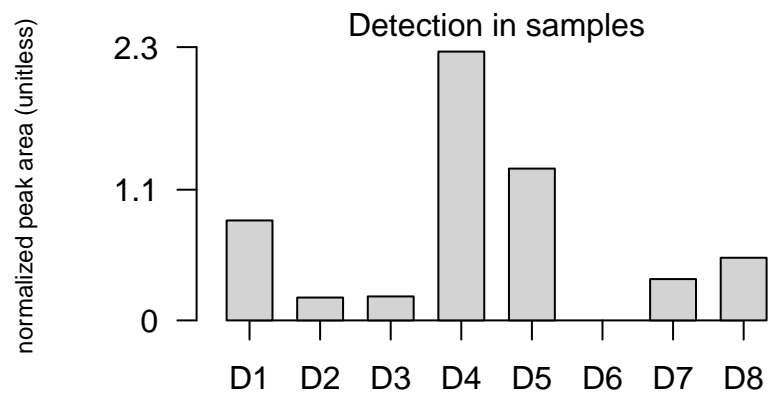
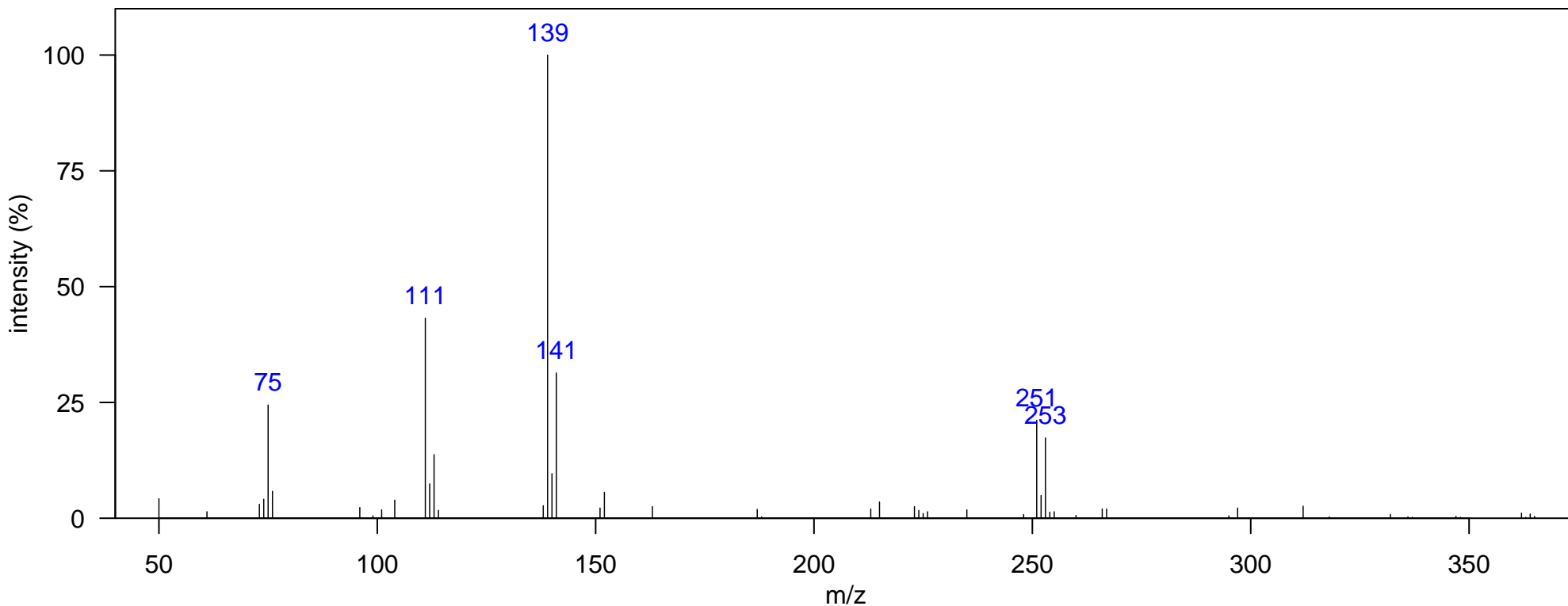
m/z [Fragment]

Name: unknown-2-4

Class: Unknown-2

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1652.9, 2.039
Ecotype: offshore Quantitative Ion m/z: 139
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: Hypothesized TCPMe.

Elemental Formula: C₁₉H₁₃Cl₃O
Source: unknown
Identification: Authentic MS



m/z [Fragment]

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1701.87, 1.874

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 139

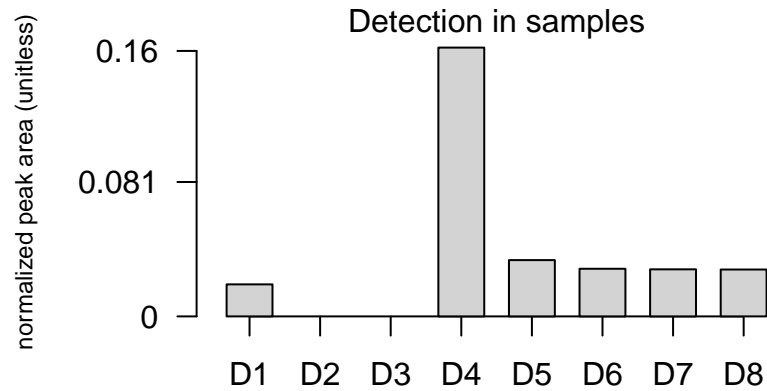
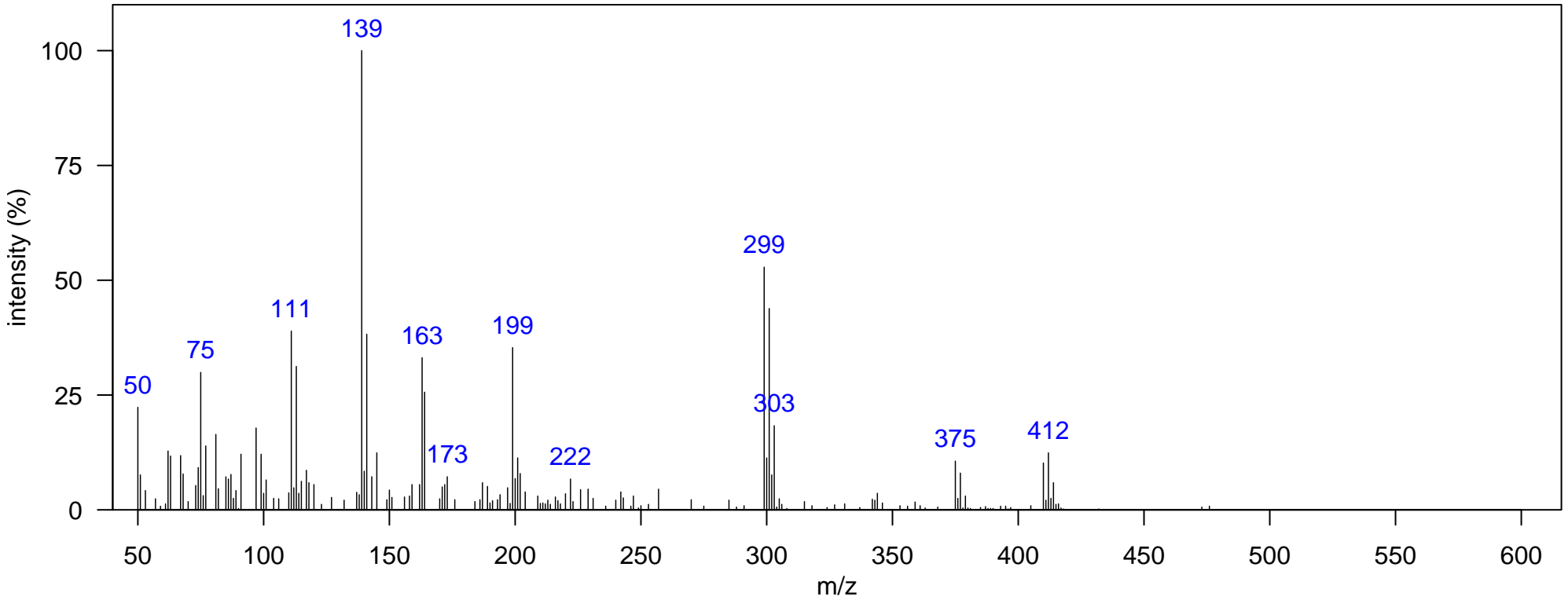
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: sharing common m/z ions and the pattern/could be DDT related metabolites



m/z [Fragment]

Name: unknown-2-6

Class: Unknown-2

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1747.34, 0.904

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 139

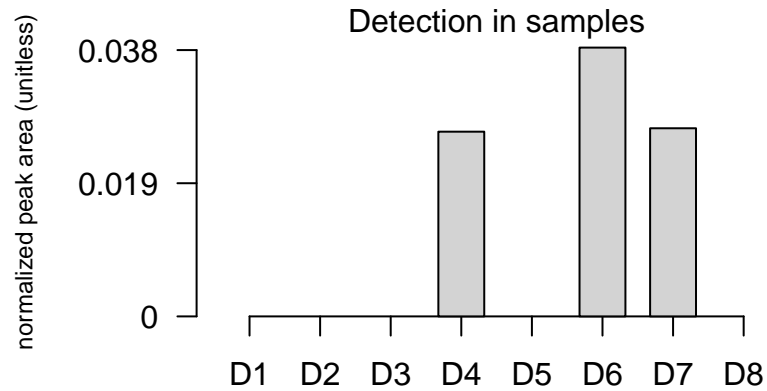
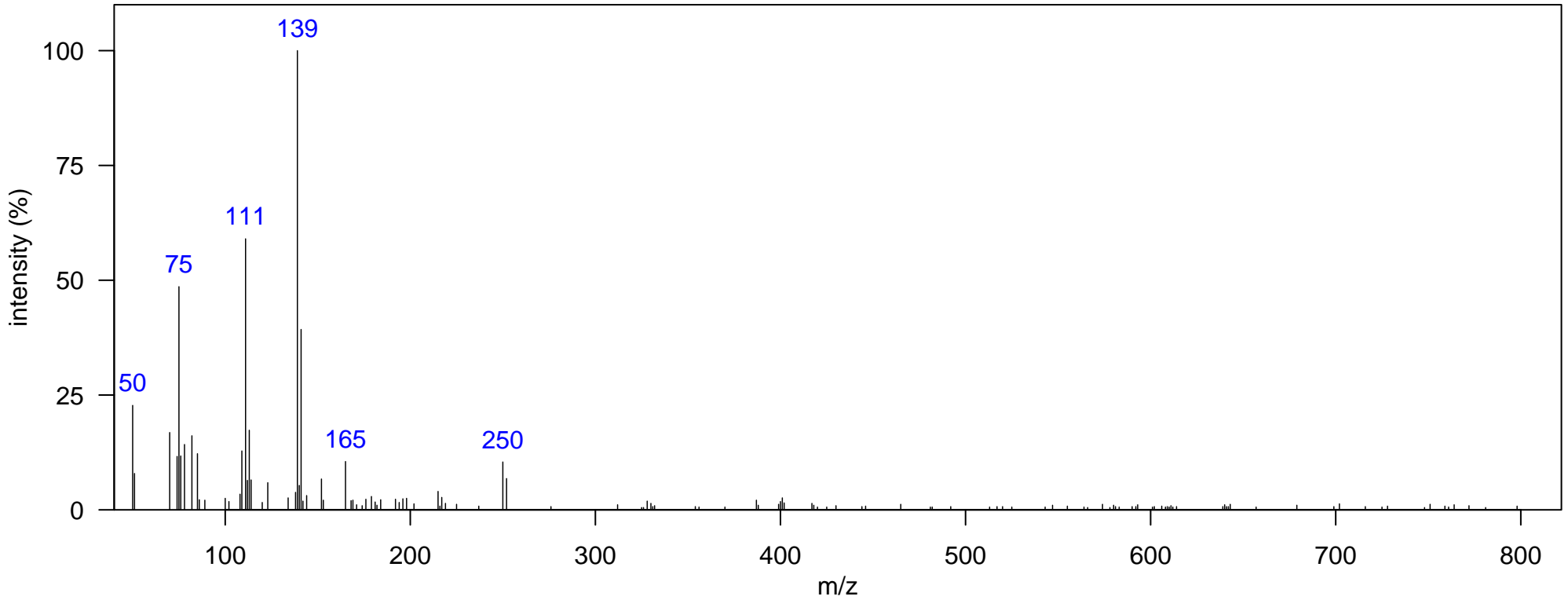
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: sharing common m/z ions and the pattern/could be DDT related metabolites



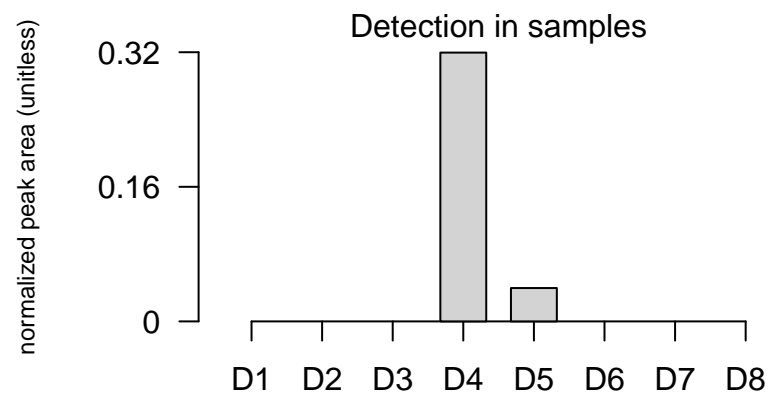
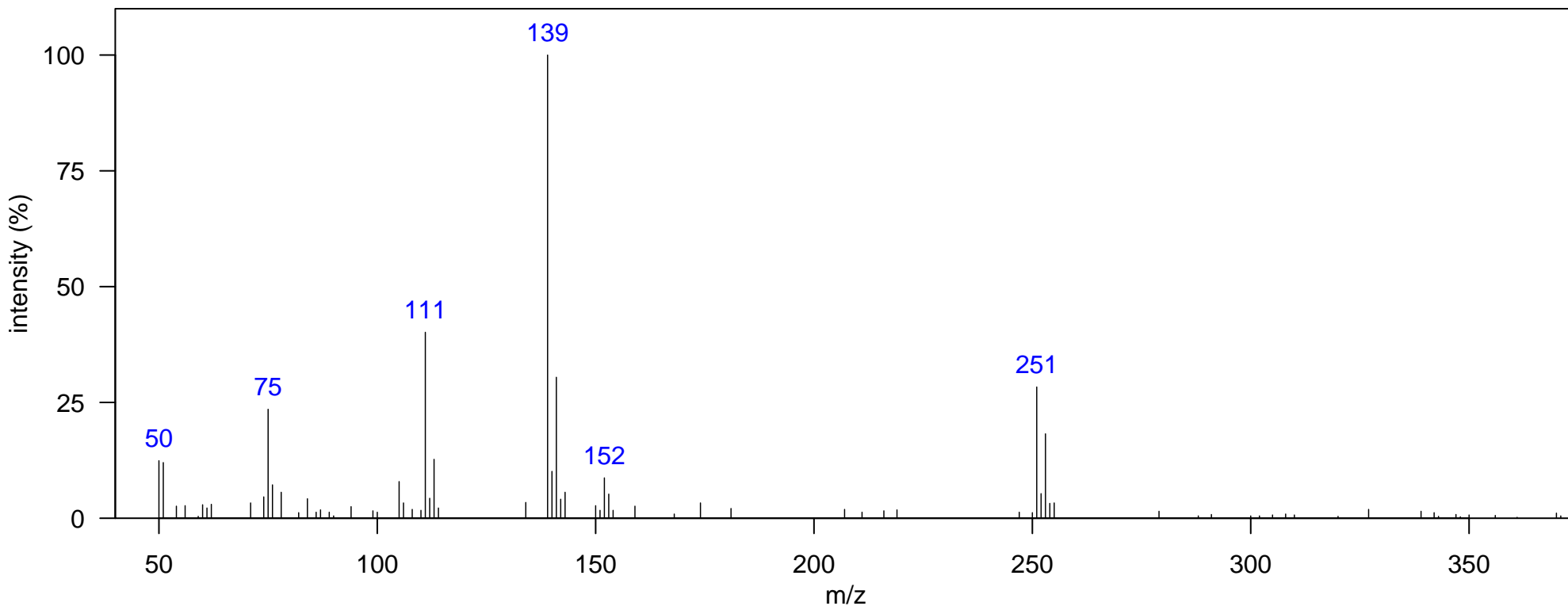
m/z [Fragment]

Name: unknown-2-7

Class: Unknown-2

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1736.85, 2.099
Ecotype: offshore Quantitative Ion m/z: 139
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: Hypothesized TCPMe.

Elemental Formula: C₁₉H₁₃Cl₃O
Source: unknown
Identification: Authentic MS



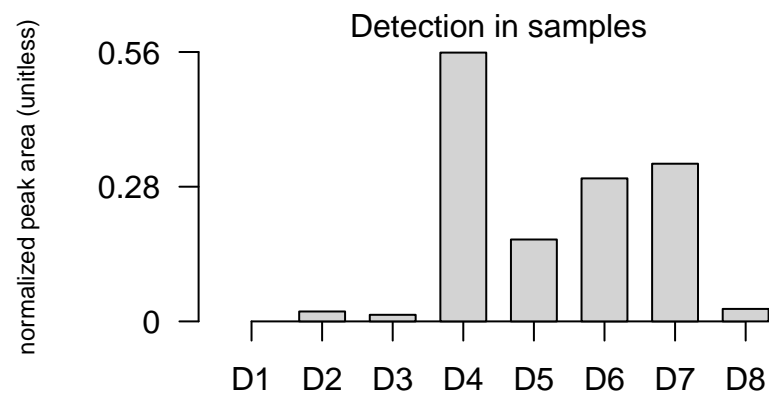
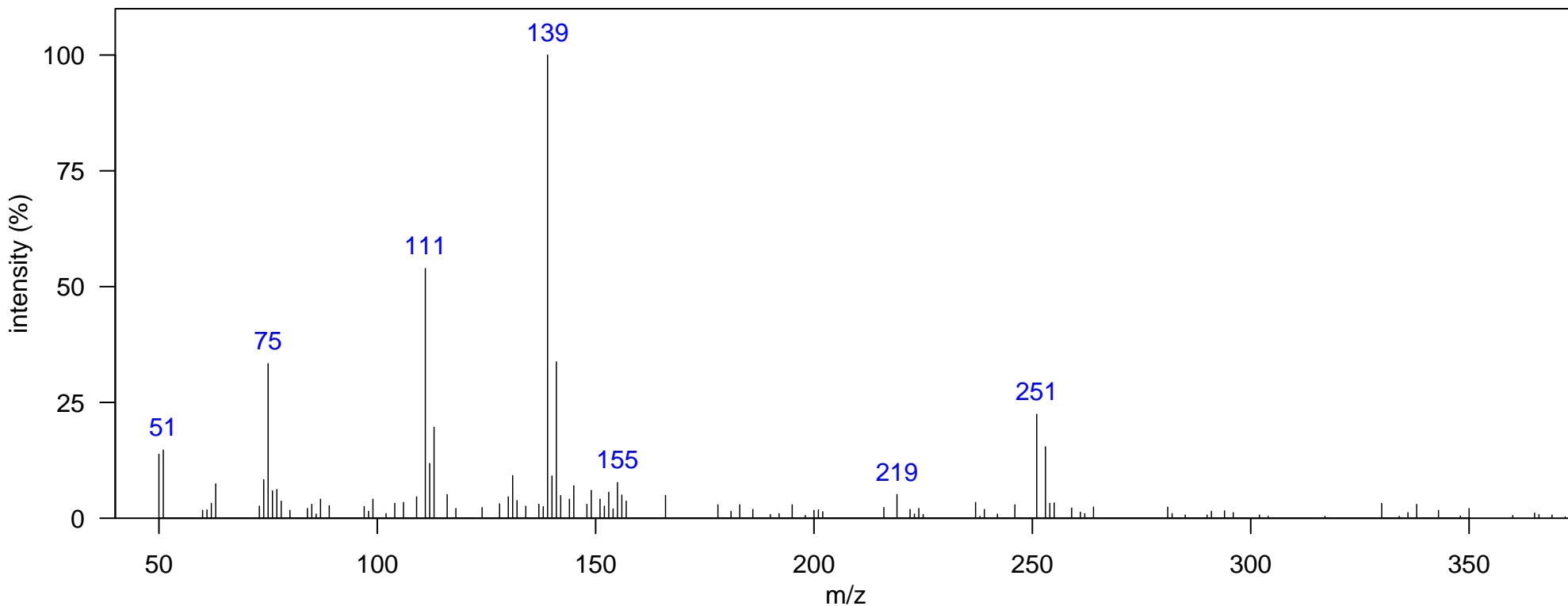
m/z [Fragment]

Name: unknown-2-8

Class: Unknown-2

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1747.34, 1.987
Ecotype: offshore Quantitative Ion m/z: 139
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: Hypothesized TCPMe.

Elemental Formula: C₁₉H₁₃Cl₃O
Source: unknown
Identification:



m/z [Fragment]

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1775.33, 2.066

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 139

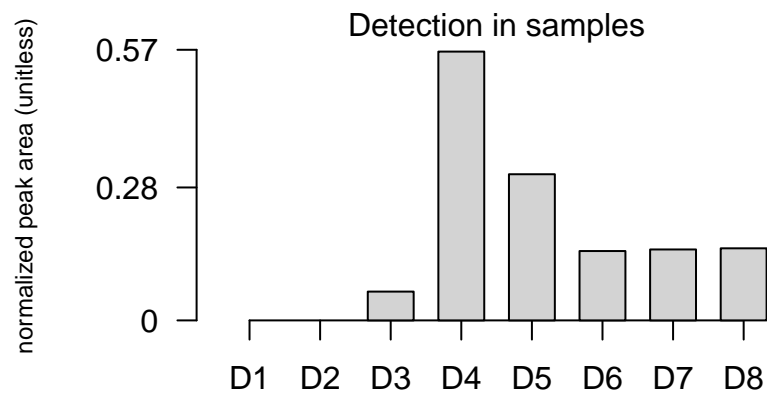
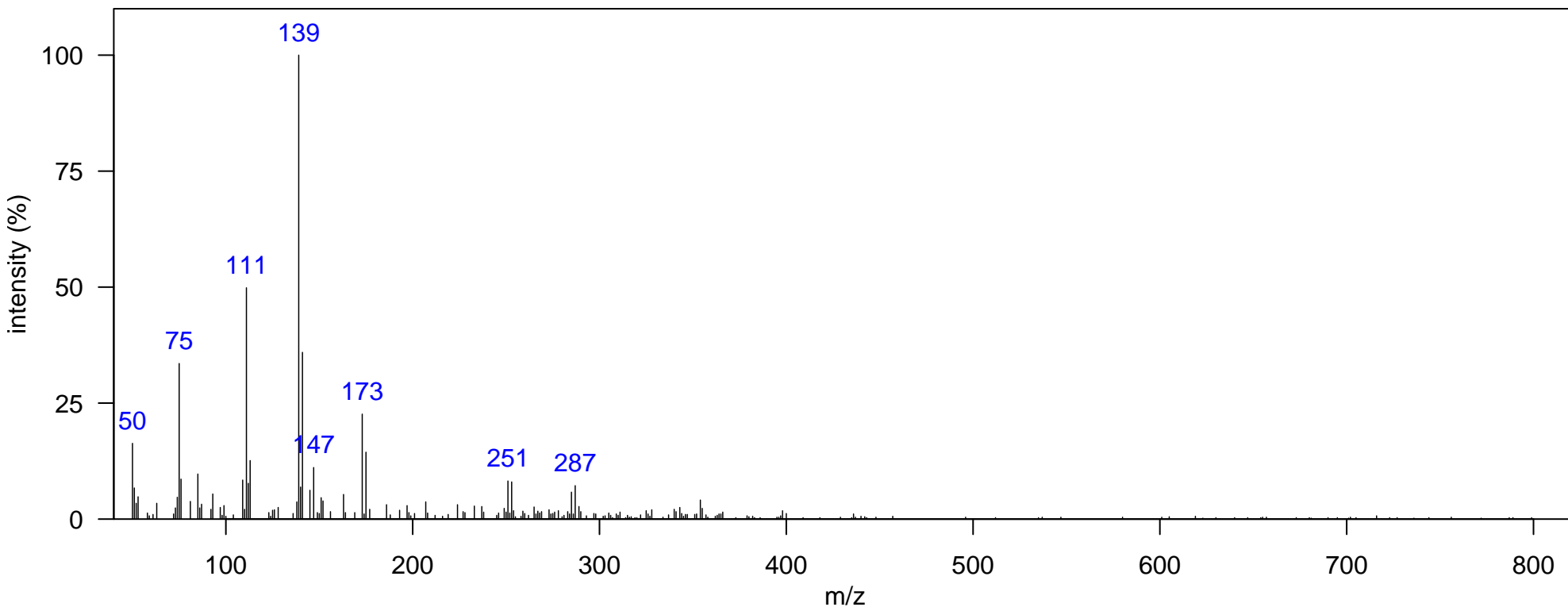
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: sharing common m/z ions and the pattern/could be DDT related metabolites



m/z [Fragment]

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1925.74, 2.818

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 139

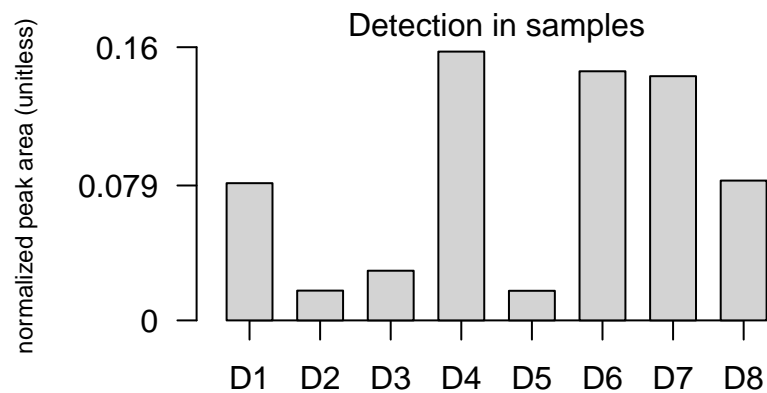
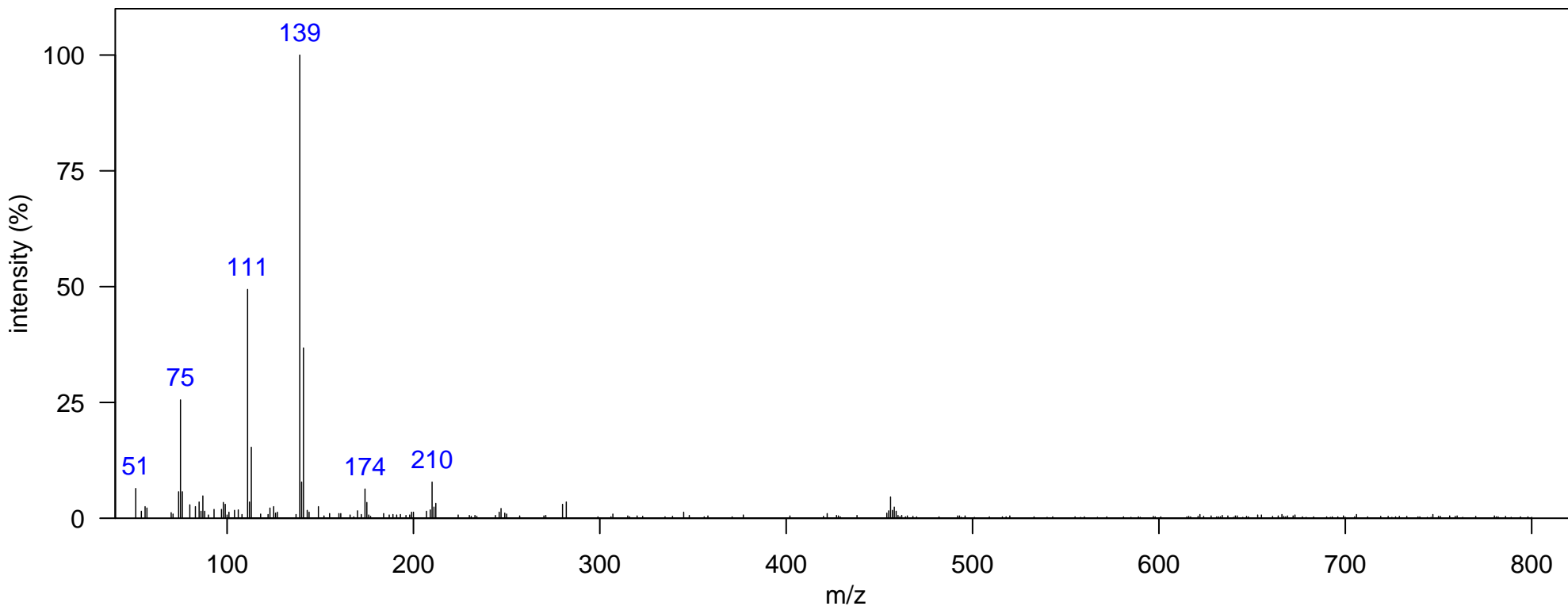
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: sharing common m/z ions and the pattern/could be DDT related metabolites



m/z [Fragment]

Name: unknown-2-11

Class: Unknown-2

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 2023.69, 3.406

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 139

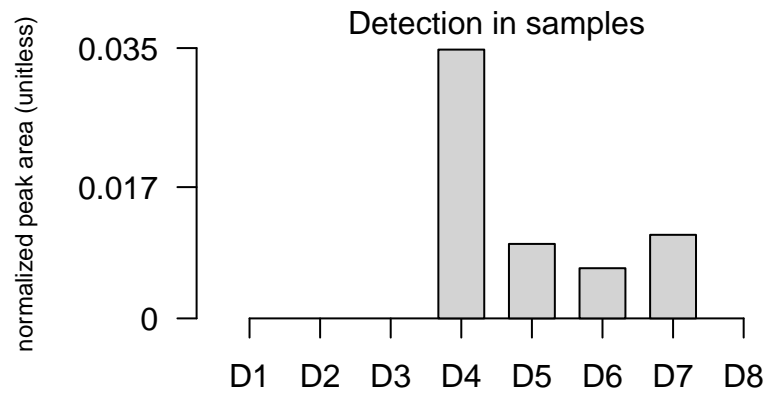
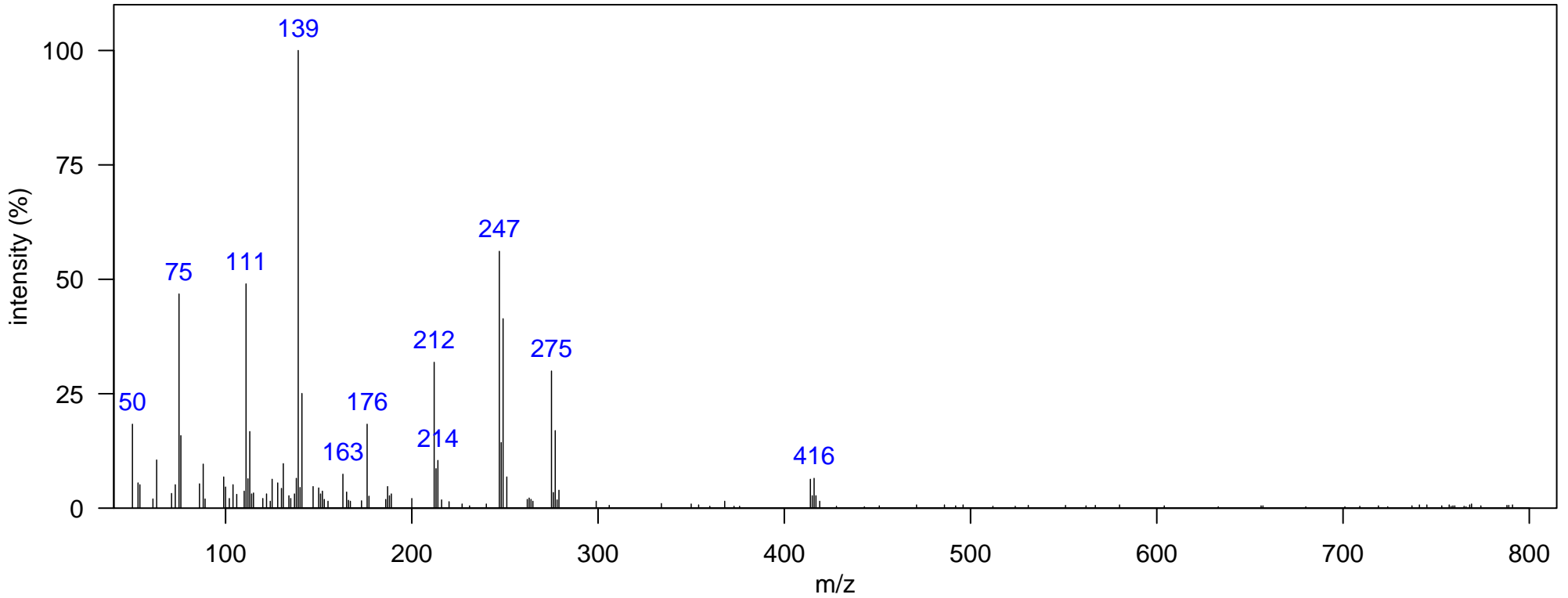
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: sharing common m/z ions and the pattern/could be DDT related metabolites



m/z [Fragment]

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1268.12, 1.327

Elemental Formula: C₉H₆OBr₃Cl

Ecotype: coastal

Quantitative Ion m/z: 406

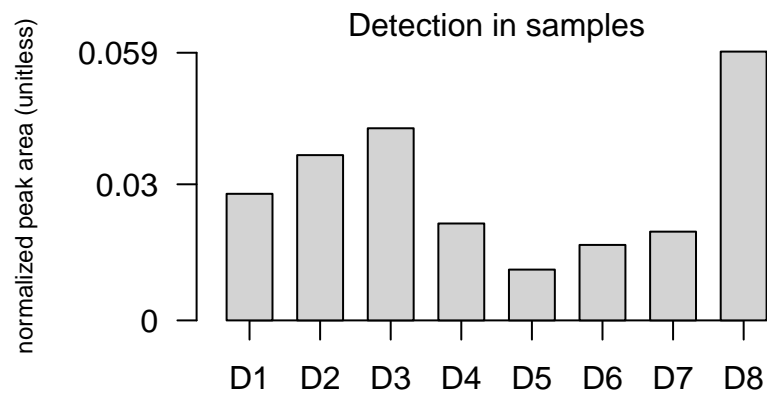
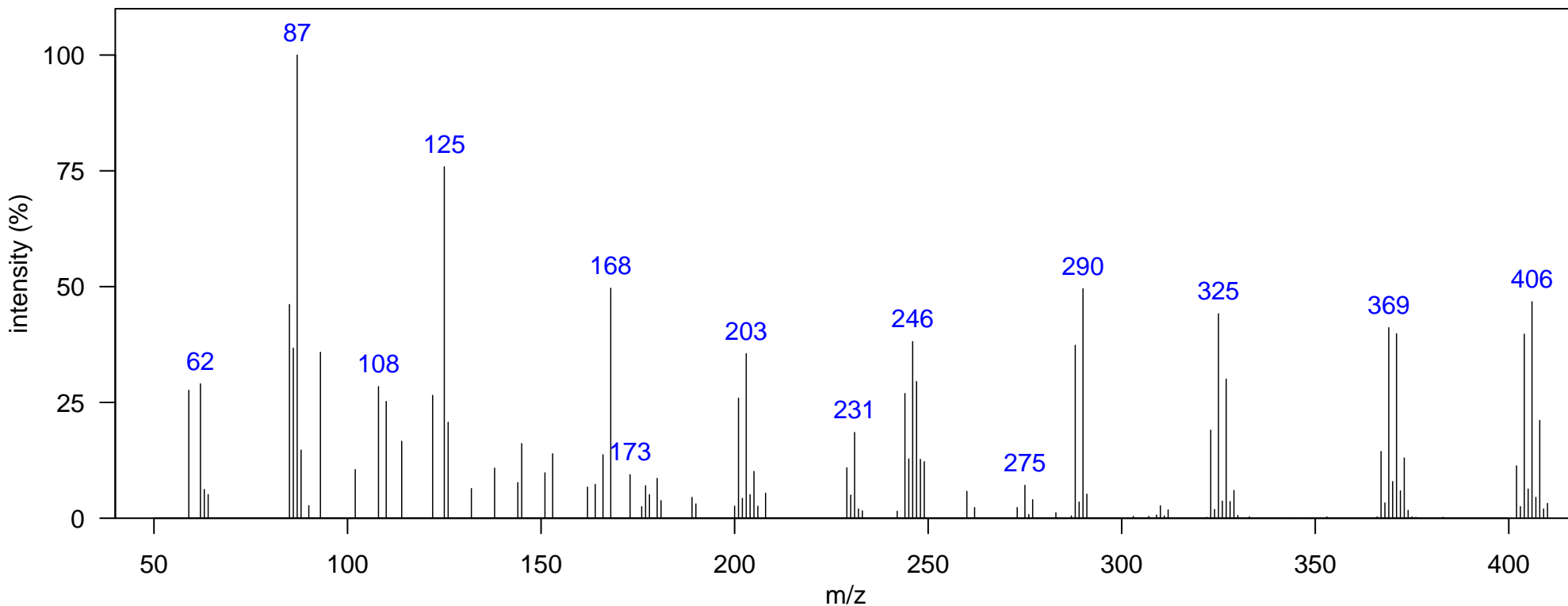
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: Unknown 1-1

Identification:

Comment: sharing the mass fragmentations



m/z [Fragment]
288 [M-BrCl] ⁺
323 [M-Br] ⁺
367 [M-Cl] ⁺
402 M ⁺

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 1380.05, 1.419

Elemental Formula: C₉H₆OBr₄Cl

Ecotype: coastal

Quantitative Ion m/z: 484

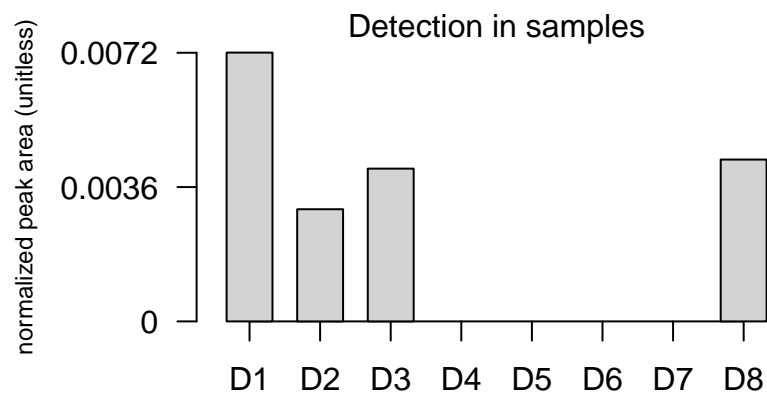
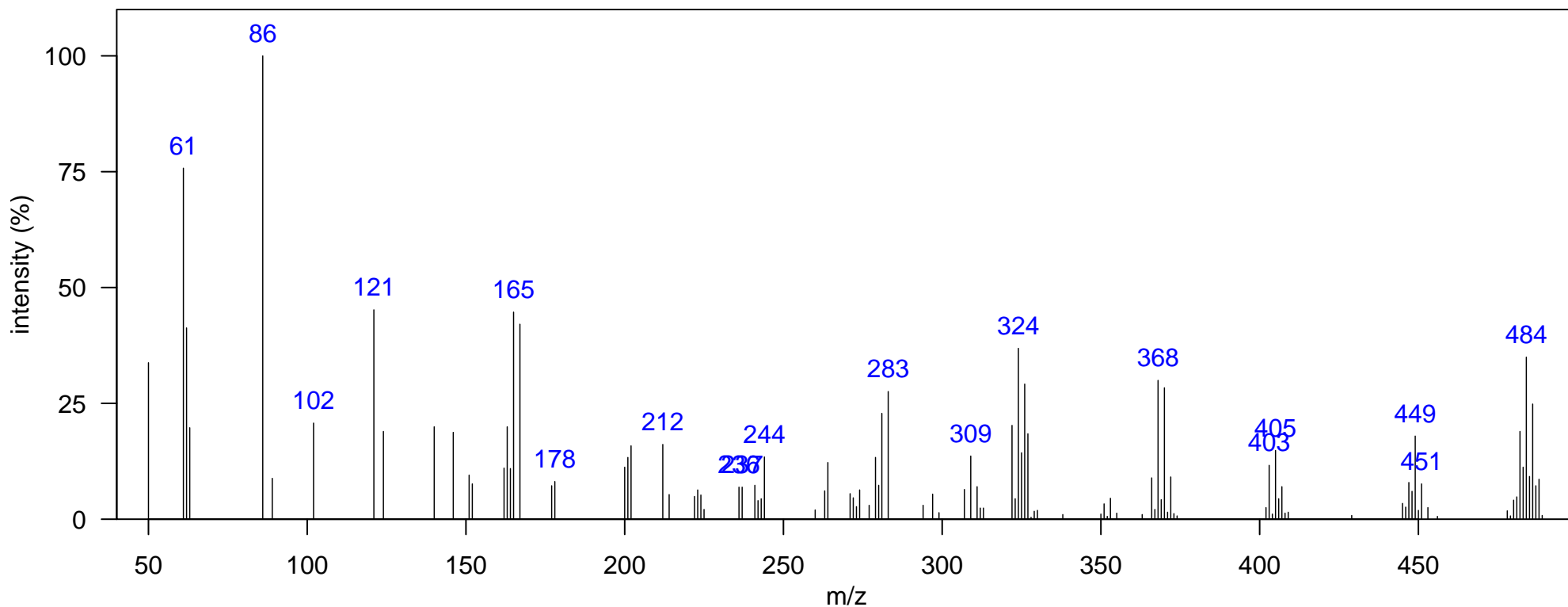
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: Unknown 1-2

Identification:

Comment: sharing the mass fragmentations



m/z [Fragment]
322 [M-Br ₂] ⁺
366 [M-BrCl] ⁺
401 [M-Br] ⁺
445 [M-Cl] ⁺
480 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1432.52, 1.511

Elemental Formula: C₉H₆OBr₄Cl

Ecotype: coastal

Quantitative Ion m/z: 484

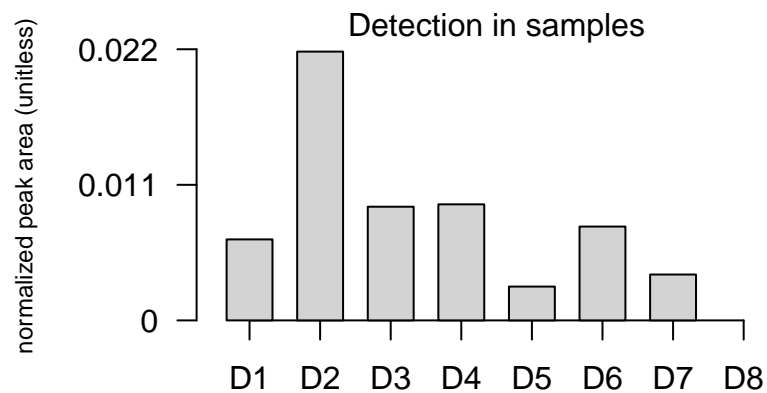
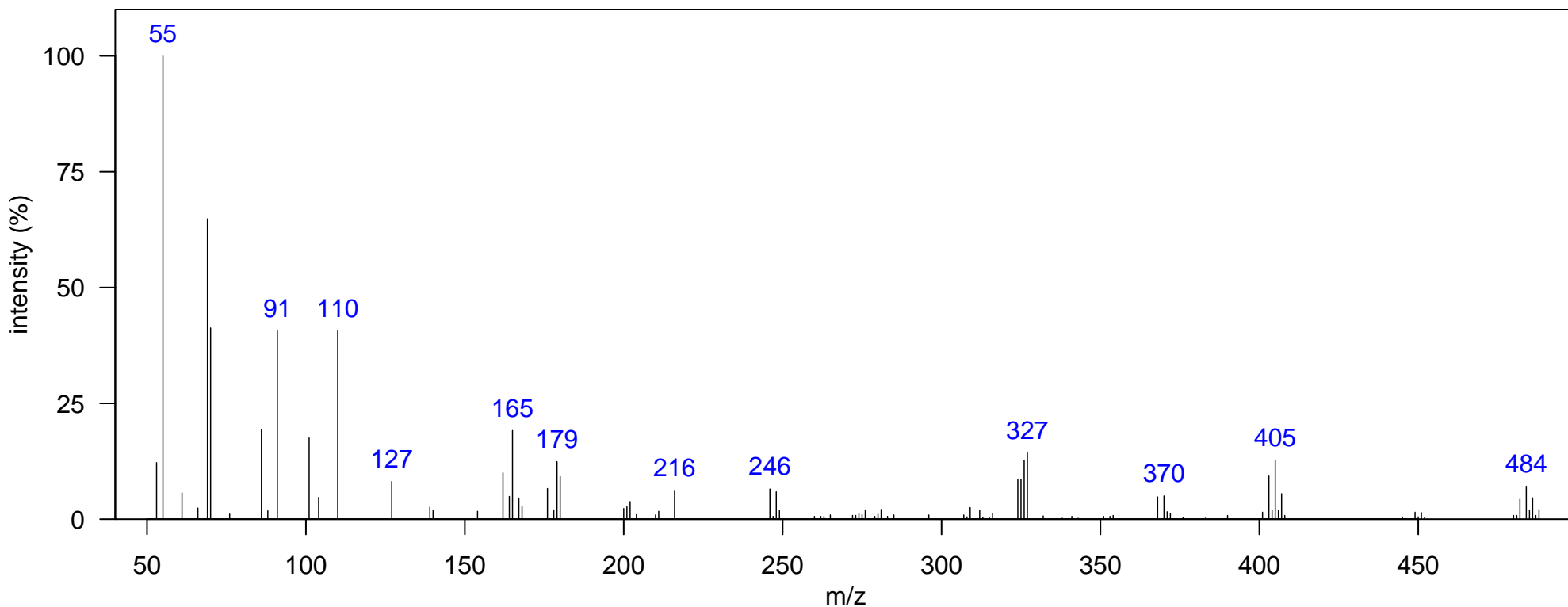
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: Unknown 1-2

Identification:

Comment: sharing the mass fragmentations



m/z [Fragment]
401 [M-Br] ⁺
445 [M-Cl] ⁺
480 M ⁺

Name: unknown-4-1

Class: Unknown-4

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 1317.09, 1.247

Elemental Formula: C₁₂H₆Cl₄O

Ecotype: coastal

Quantitative Ion m/z: 308

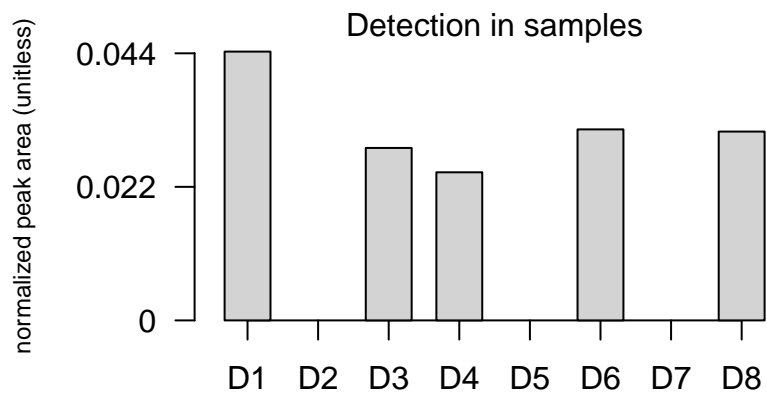
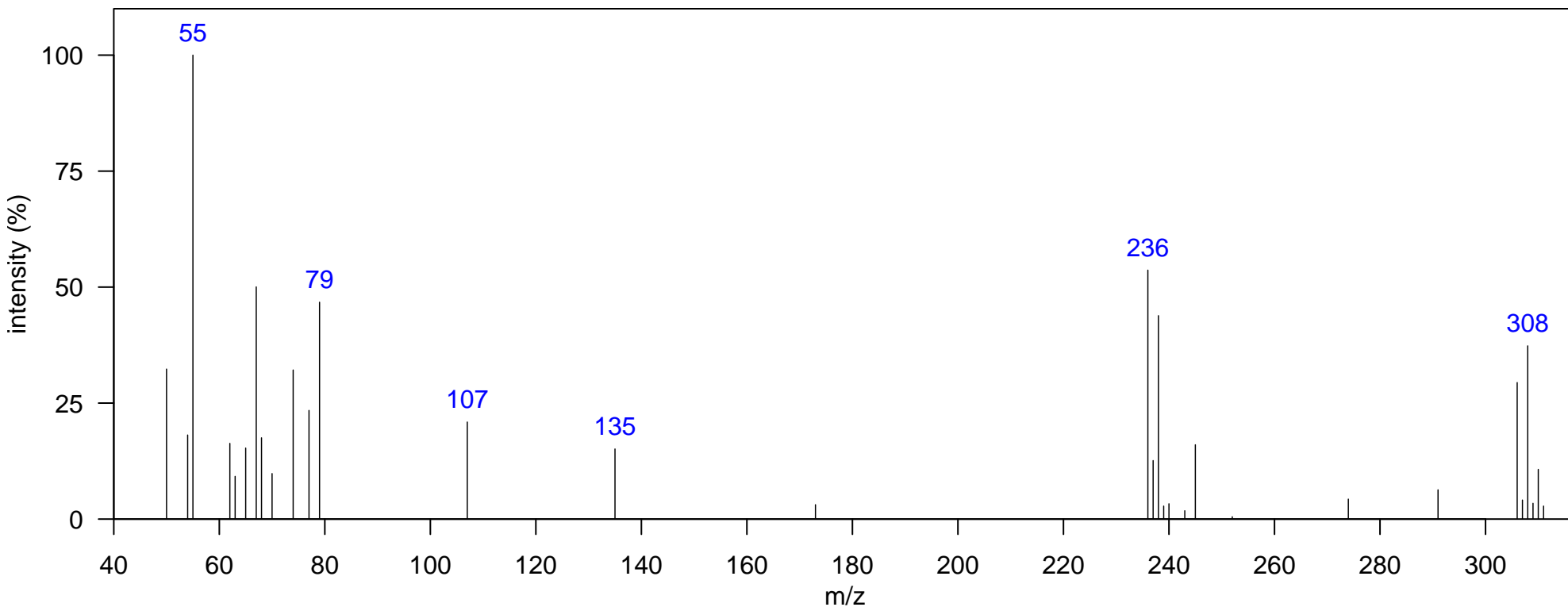
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
236 [M-Cl ₂] ⁺
306 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1418.53, 1.327

Elemental Formula: C₁₂H₄Cl₆O

Ecotype: coastal

Quantitative Ion m/z: 376

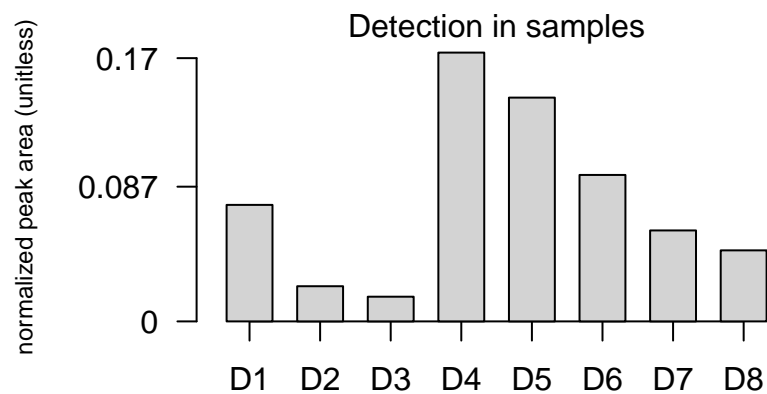
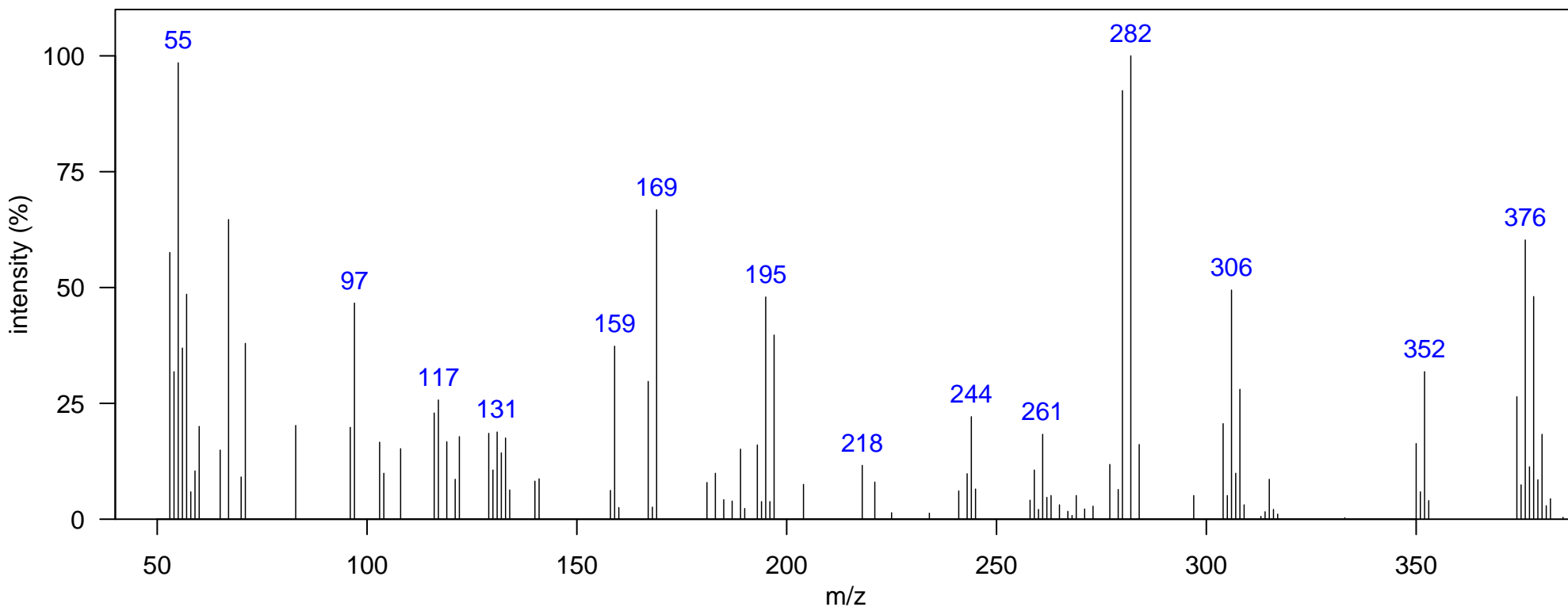
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinated diphenyl ether 6Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
304 [M-Cl ₂] ⁺
374 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1436.02, 1.313

Elemental Formula: C₁₂H₄Cl₆O

Ecotype: coastal

Quantitative Ion m/z: 376

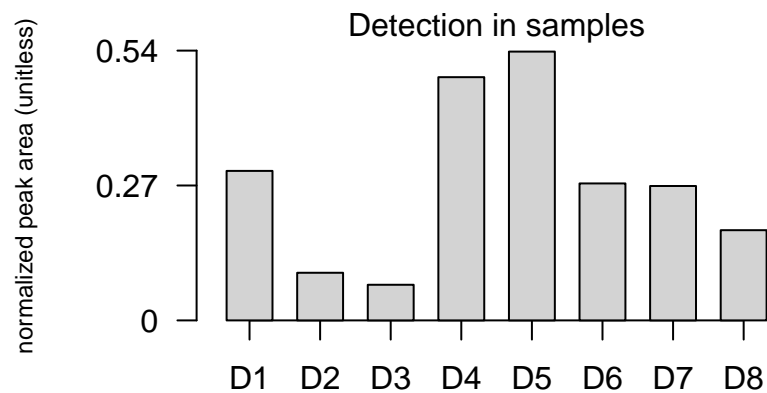
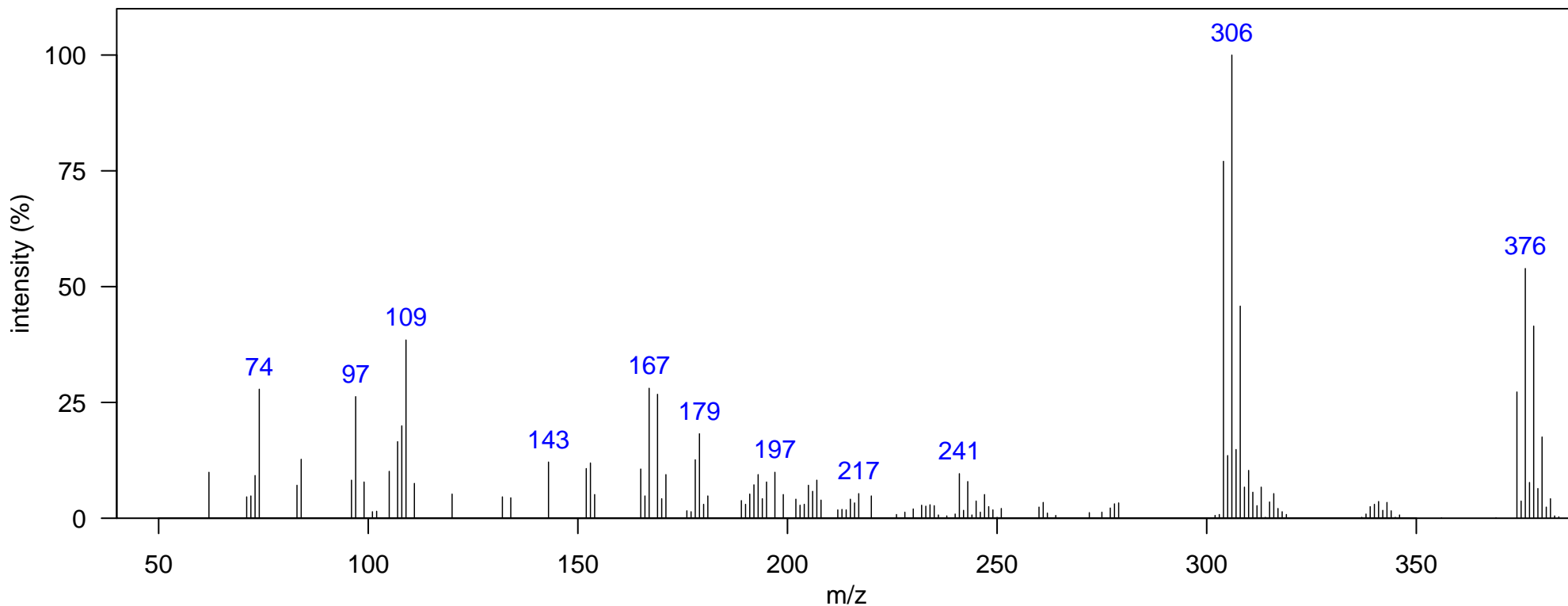
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinated diphenyl ether 6Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
304 [M-Cl ₂] ⁺
374 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1464.01, 1.313

Elemental Formula: C₁₂H₄Cl₆O

Ecotype: coastal

Quantitative Ion m/z: 376

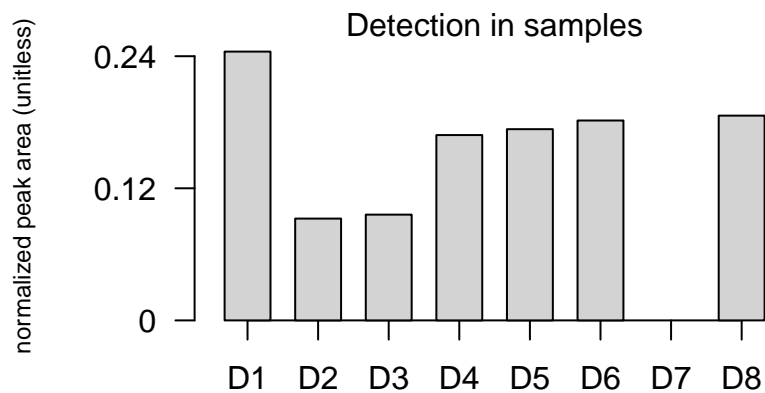
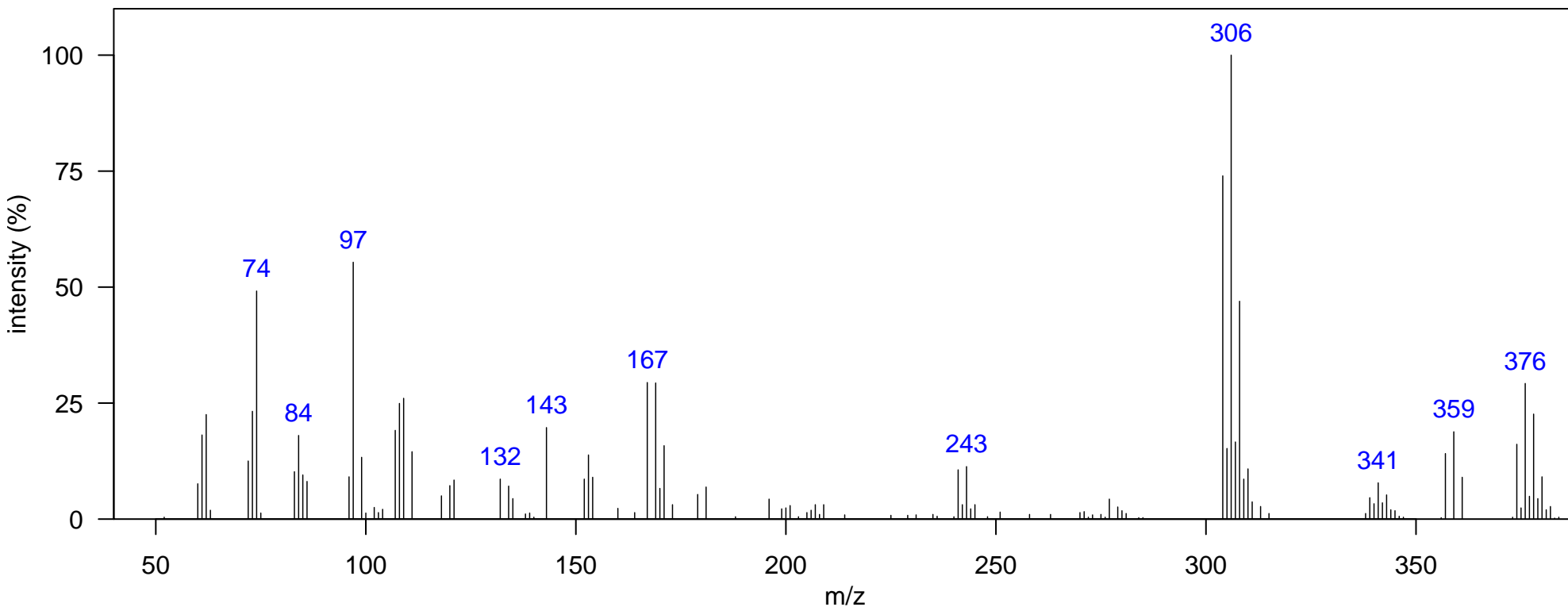
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinated diphenyl ether 6Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
304 [M-Cl ₂] ⁺
374 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1471, 1.36

Elemental Formula: C₁₂H₄Cl₆O

Ecotype: coastal

Quantitative Ion m/z: 376

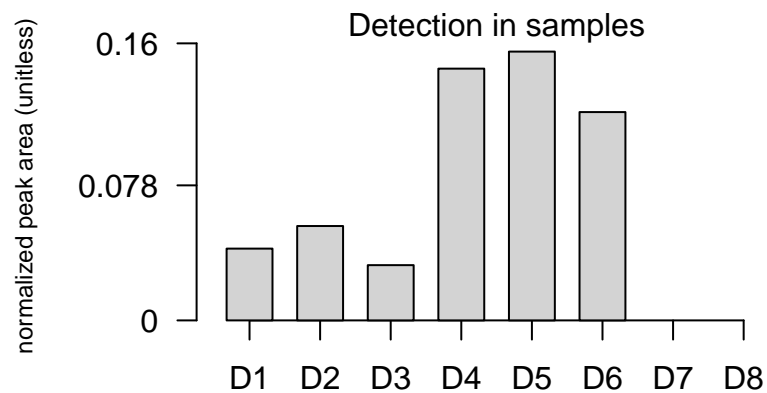
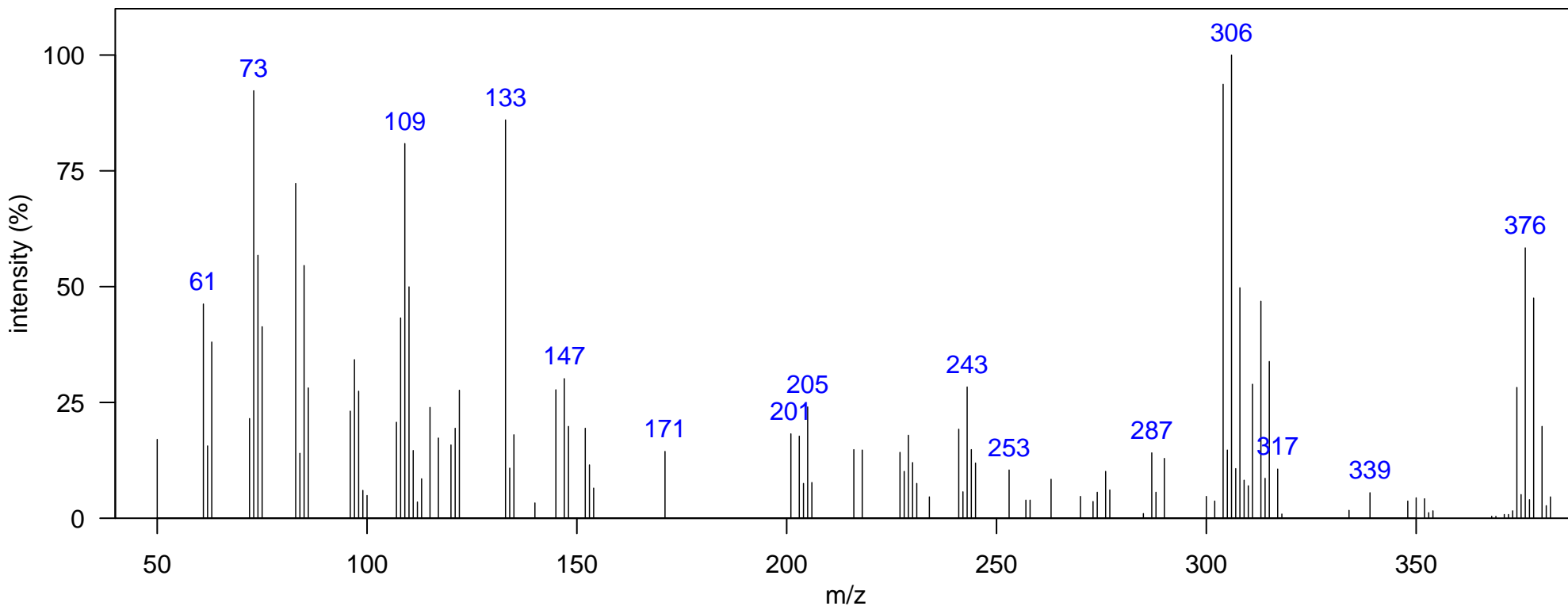
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinated diphenyl ether 6Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
304 [M-Cl ₂] ⁺
374 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1484.99, 1.386

Elemental Formula: C₁₂H₄Cl₆O

Ecotype: coastal

Quantitative Ion m/z: 376

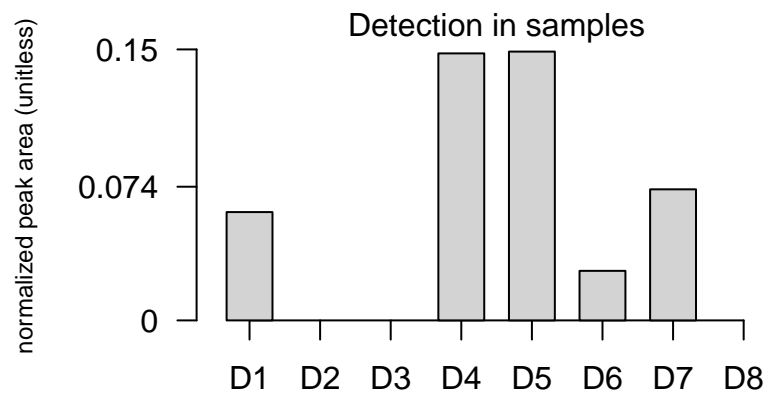
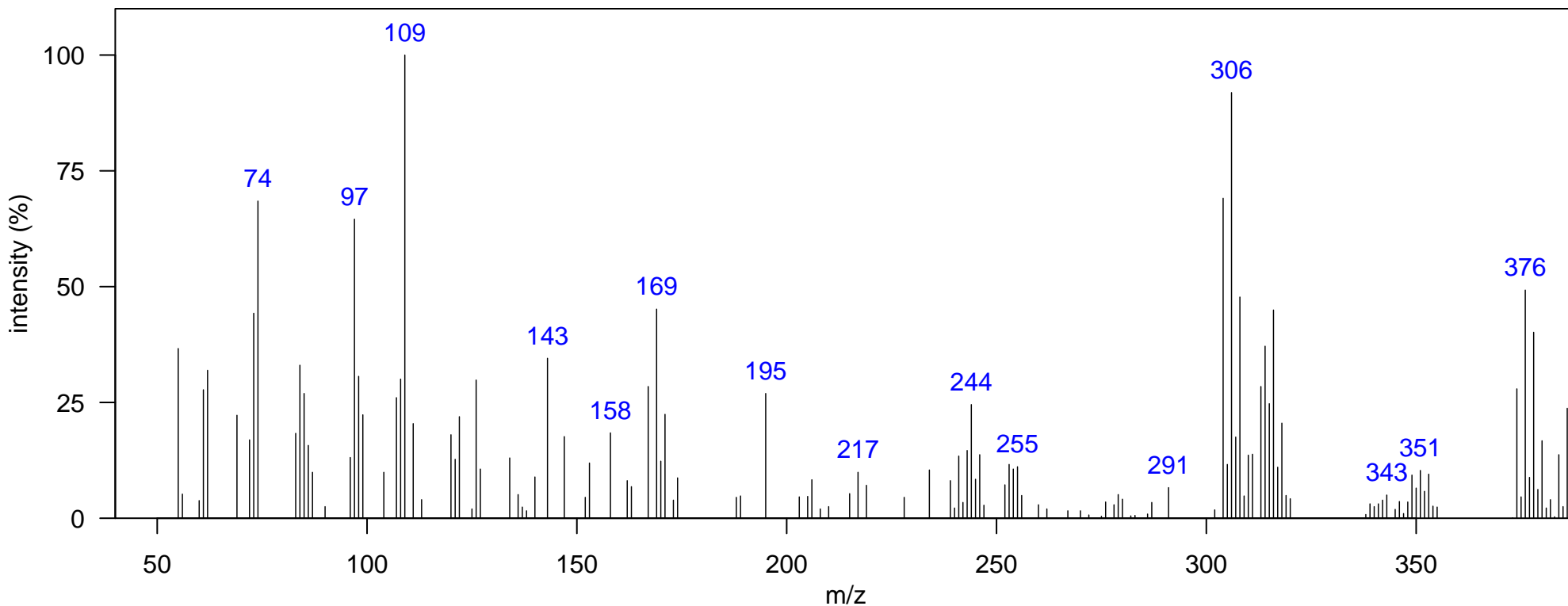
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinated diphenyl ether 6Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
304 [M-Cl ₂] ⁺
374 M ⁺

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1509.48, 1.432

Elemental Formula: C₁₂H₄Cl₆O

Ecotype: coastal

Quantitative Ion m/z: 376

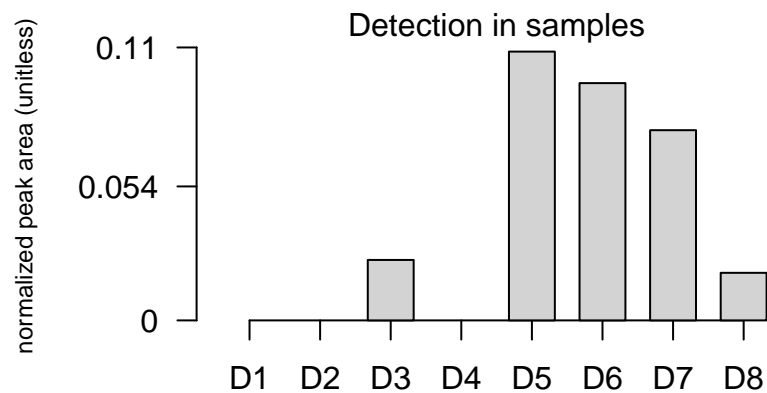
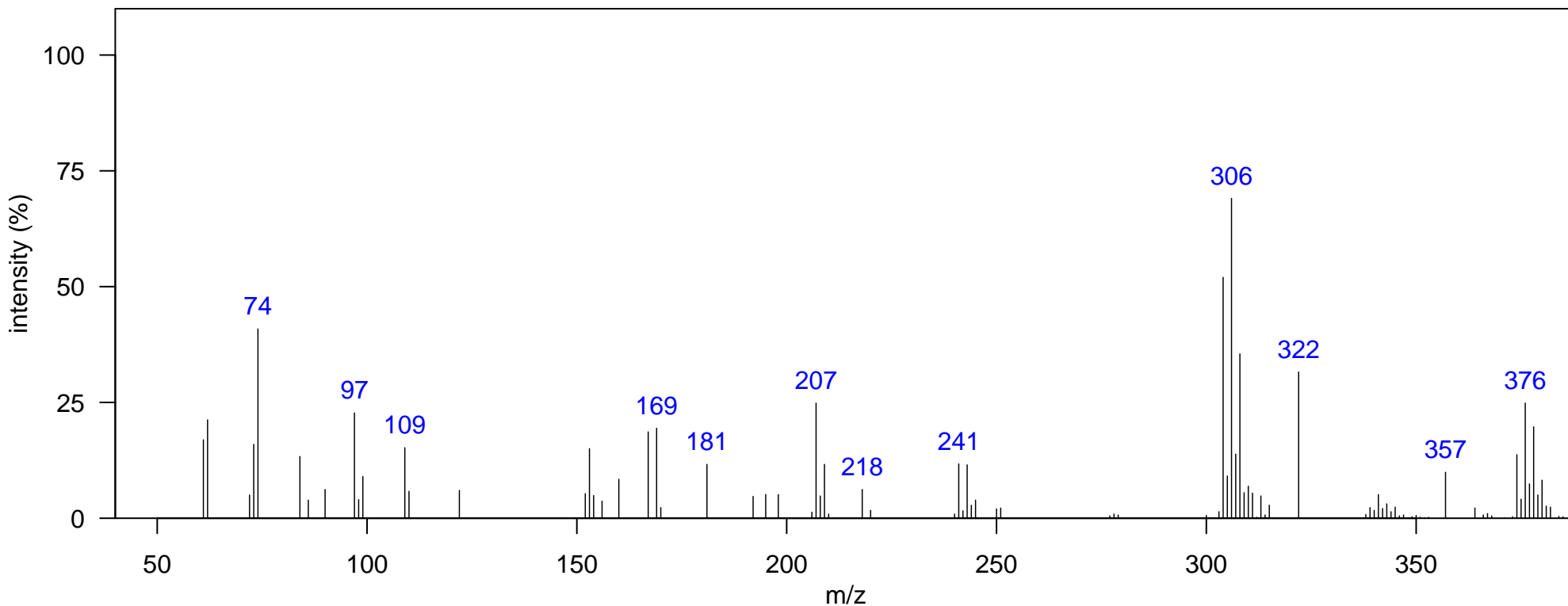
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinated diphenyl ether 6Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
304 [M-Cl ₂] ⁺
374 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1453.51, 1.426

Elemental Formula: C₁₂H₃Cl₇O

Ecotype: coastal

Quantitative Ion m/z: 410

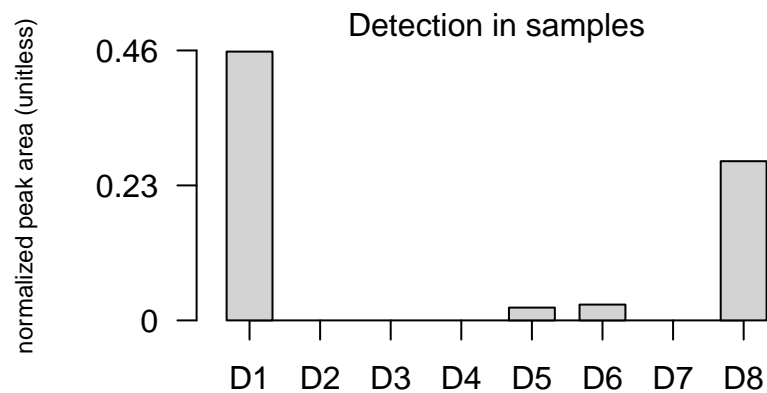
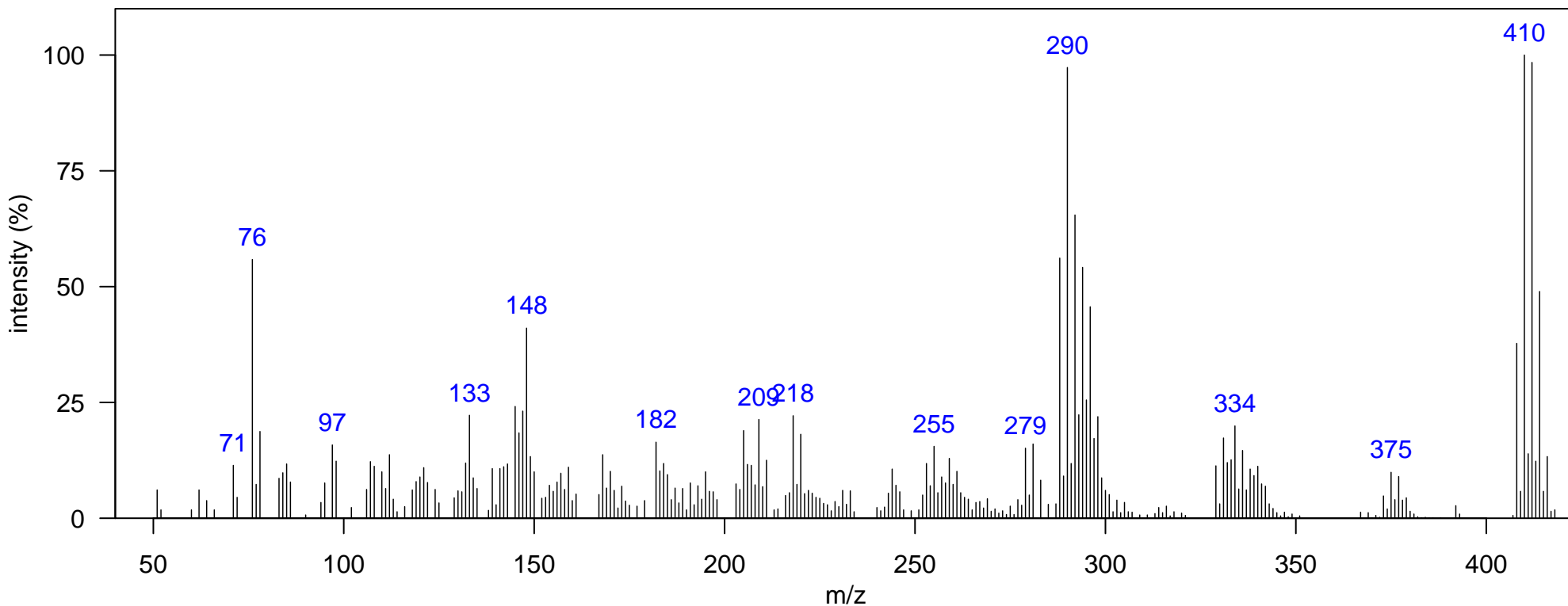
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinated diphenyl ether 7Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
373 [M-Cl] ⁺
408 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1464.01, 1.426

Elemental Formula: C₁₂H₃Cl₇O

Ecotype: coastal

Quantitative Ion m/z: 410

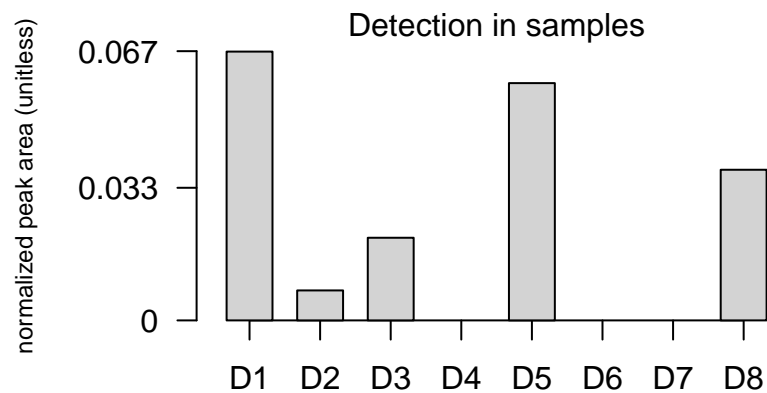
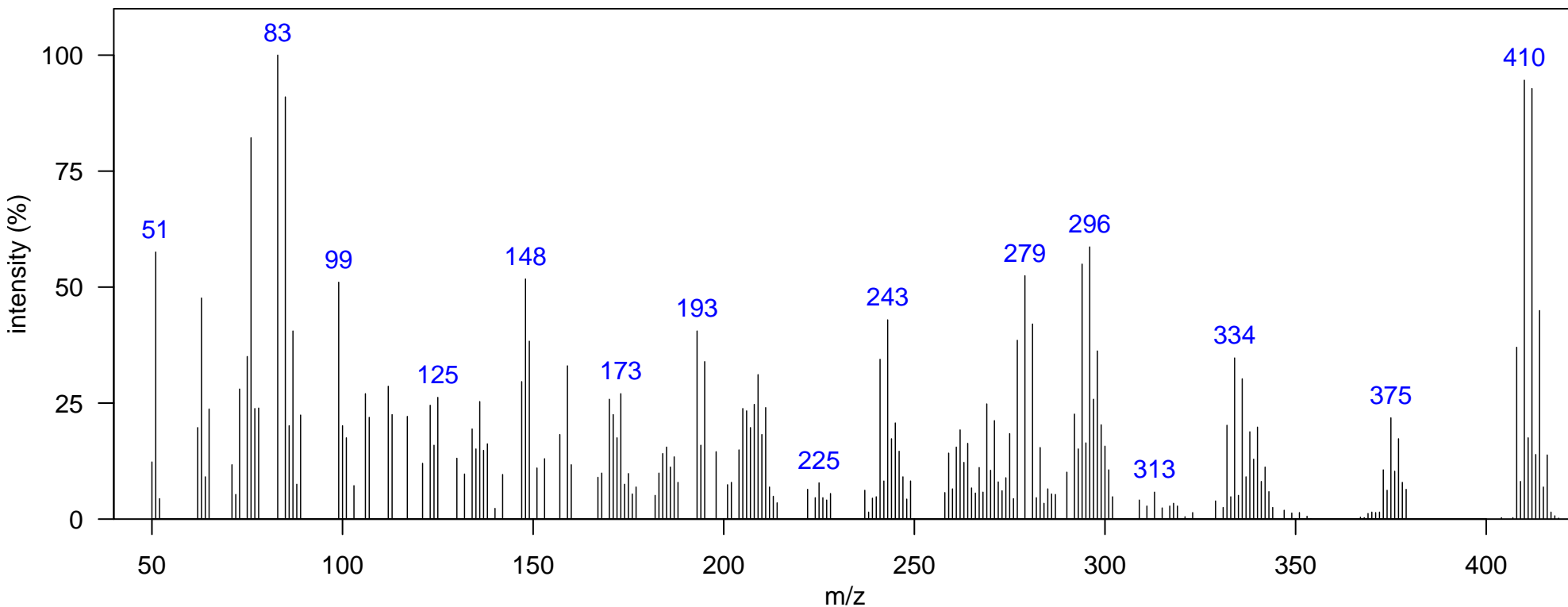
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinated diphenyl ether 7Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
373 [M-Cl] ⁺
408 M ⁺

Name: unknown-4-10

Class: Unknown-4

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 1512.98, 1.386

Elemental Formula: C₁₂H₄Cl₇O

Ecotype: coastal

Quantitative Ion m/z: 410

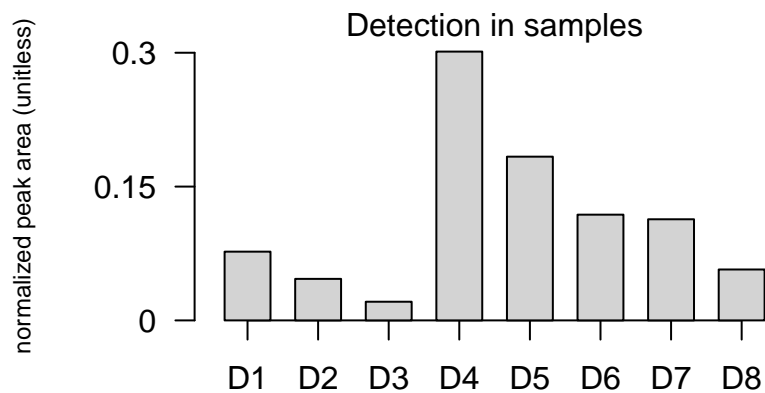
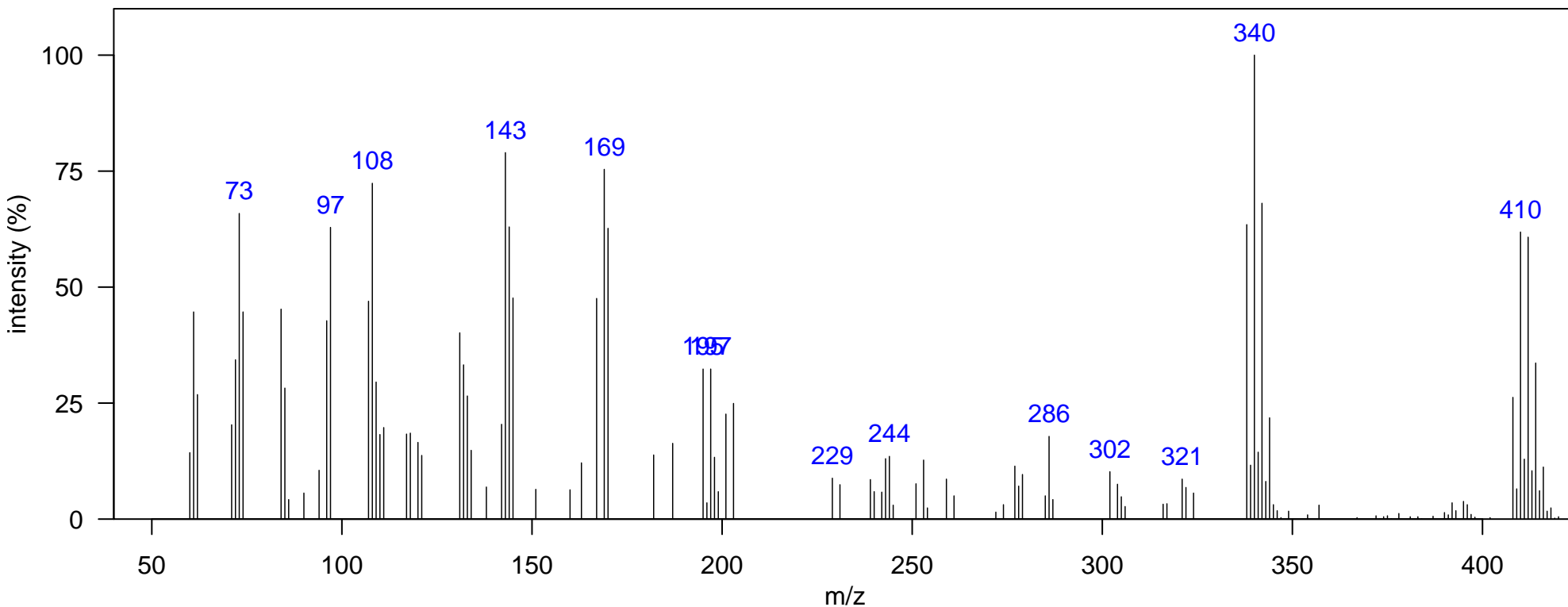
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinate diphenyl ether 7Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
338 [M-Cl ₂] ⁺
408 M ⁺

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1530.47, 1.432

Elemental Formula: C₁₂H₃Cl₇O

Ecotype: offshore

Quantitative Ion m/z: 410

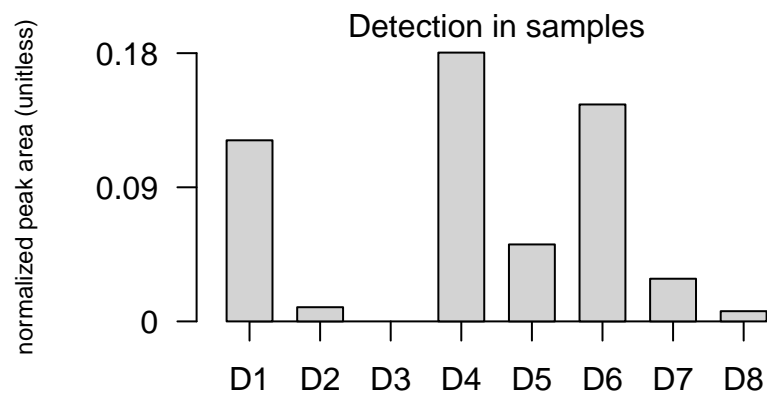
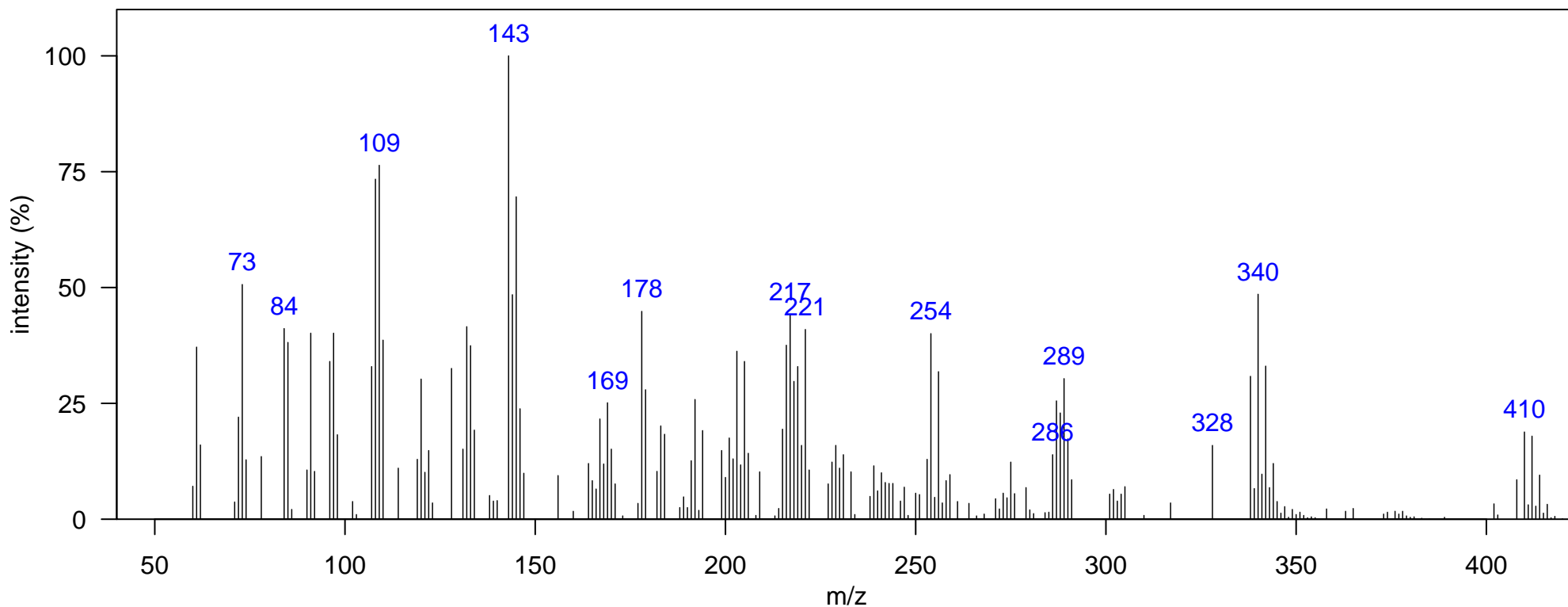
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinate diphenyl ether 7Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
338 [M-Cl ₂] ⁺
408 M ⁺

Name: unknown-4-12

Class: Unknown-4

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1561.95, 1.525

Elemental Formula: C₁₂H₃Cl₇O

Ecotype: coastal

Quantitative Ion m/z: 410

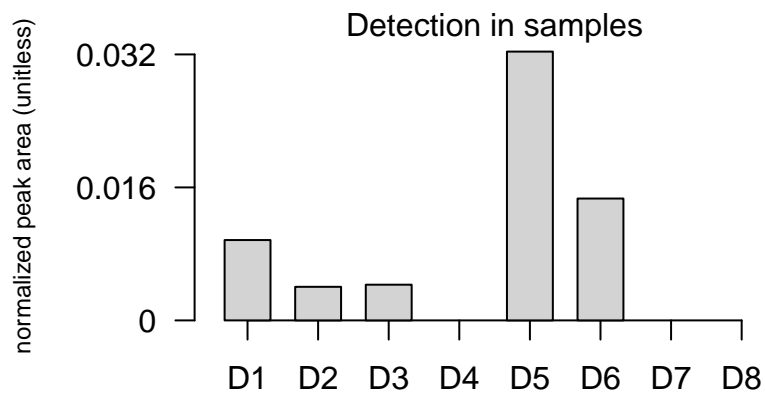
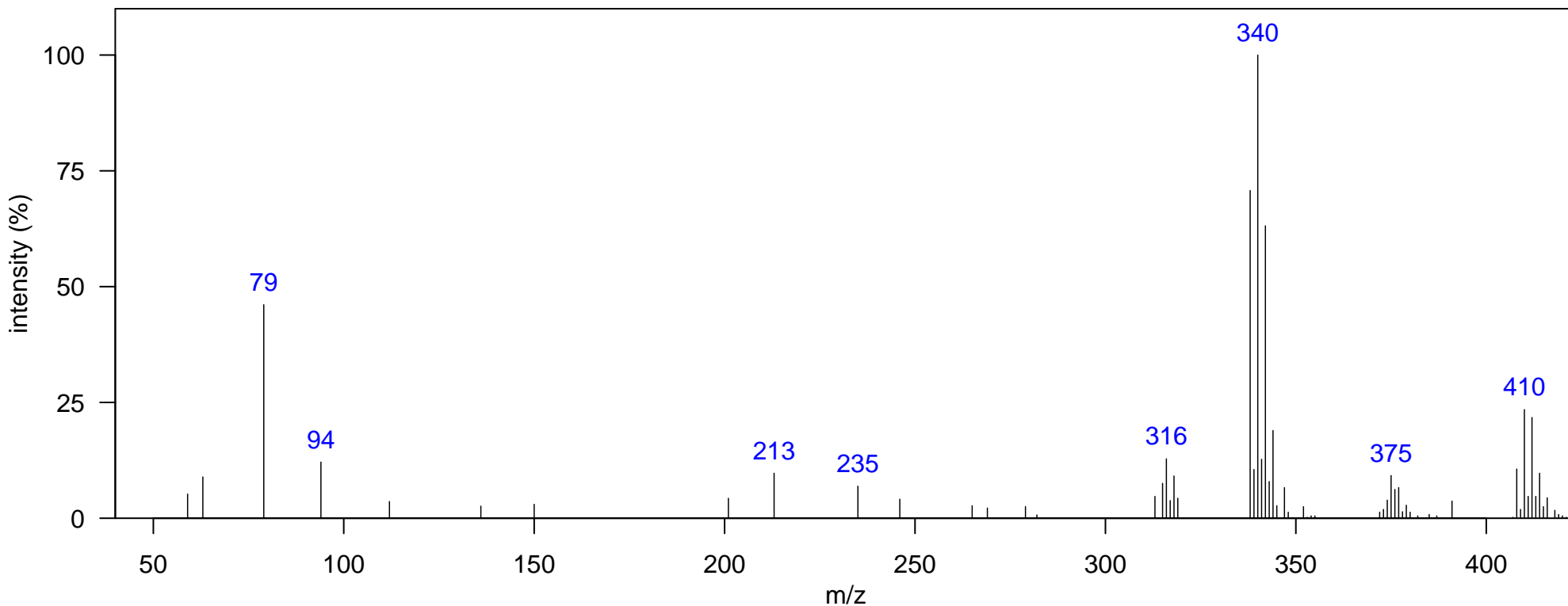
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinate diphenyl ether 7Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
338 [M-Cl ₂] ⁺
408 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1586.44, 1.663

Elemental Formula: C₁₂H₃Cl₇O

Ecotype: coastal

Quantitative Ion m/z: 410

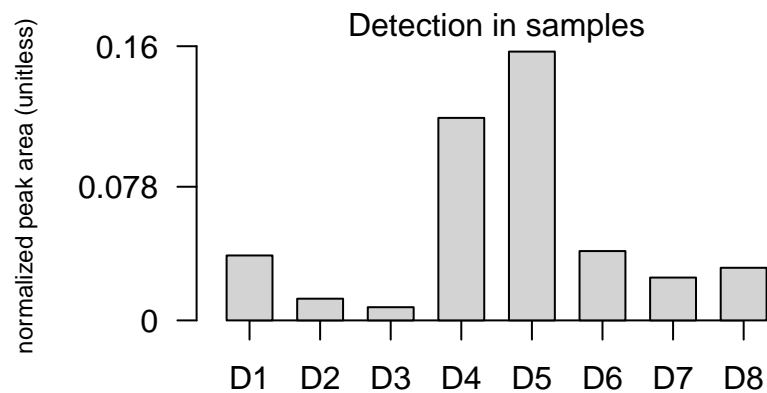
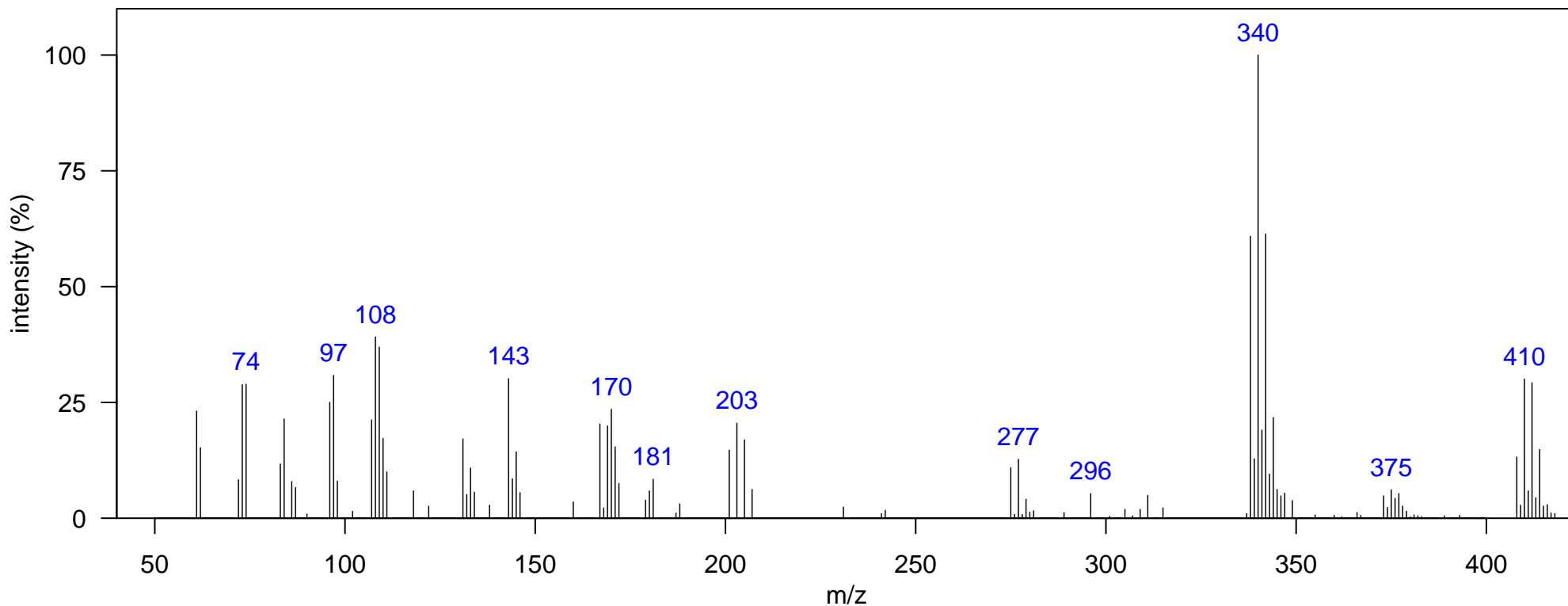
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinate diphenyl ether 7Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
338 [M-Cl ₂] ⁺
408 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1617.92, 1.742

Elemental Formula: C₁₂H₂Cl₈O

Ecotype: coastal

Quantitative Ion m/z: 446

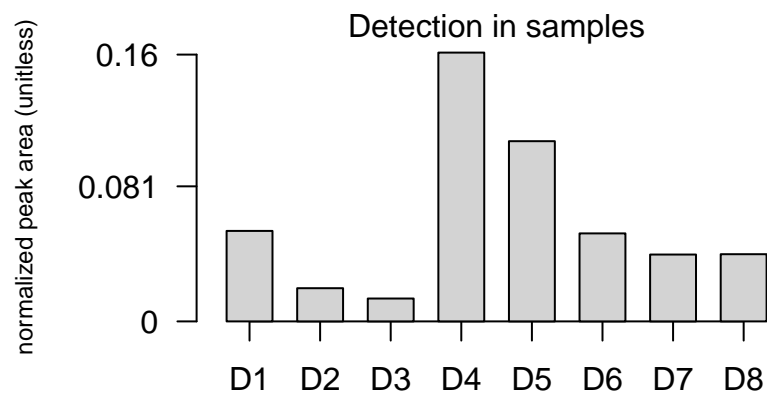
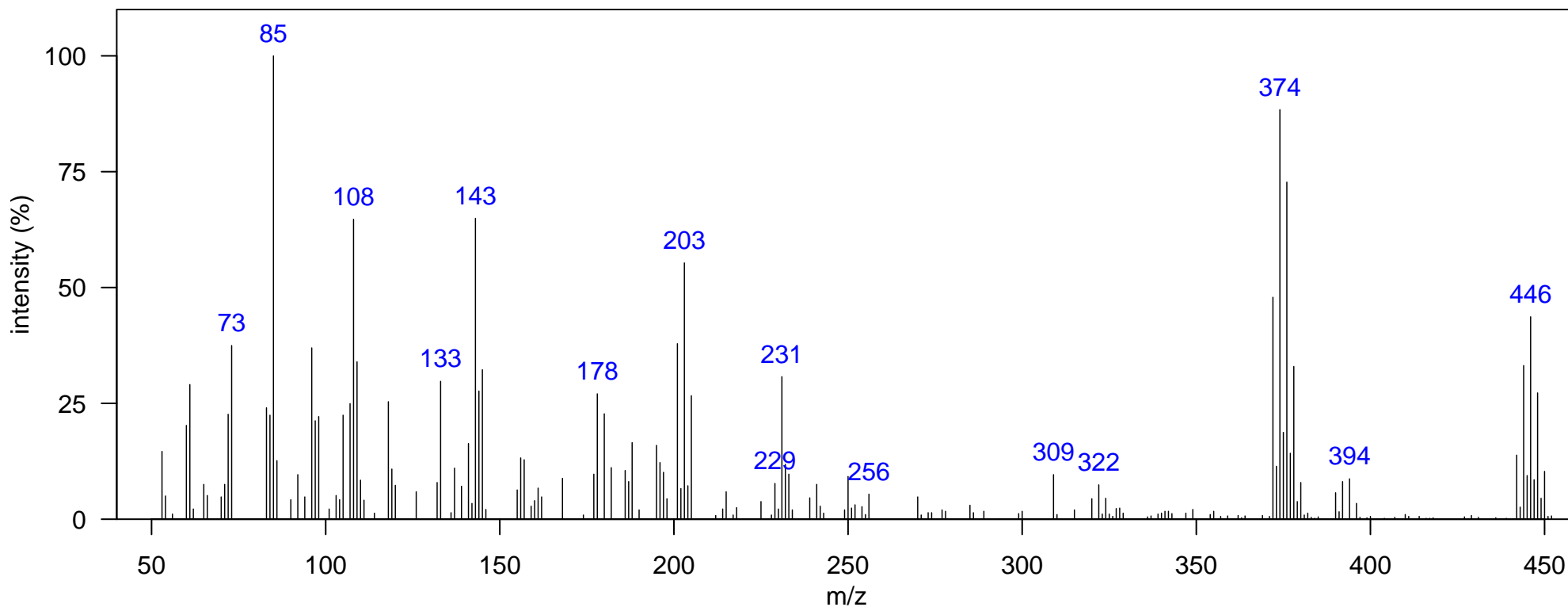
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinated diphenyl ether 8Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
372 [M-Cl ₂] ⁺
442 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1624.91, 1.716

Elemental Formula: C₁₂H₂Cl₈O

Ecotype: coastal

Quantitative Ion m/z: 446

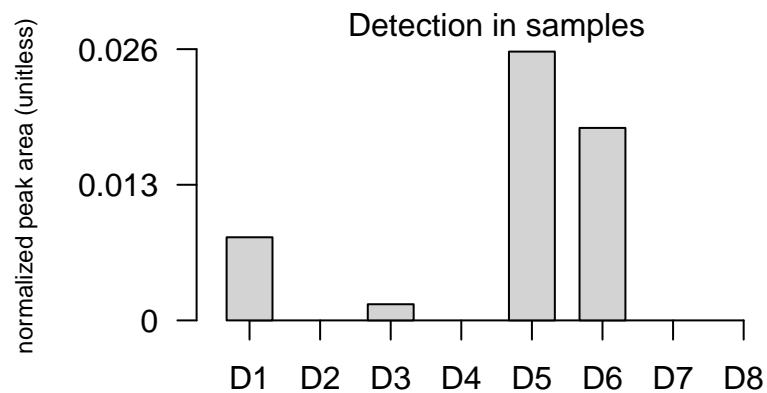
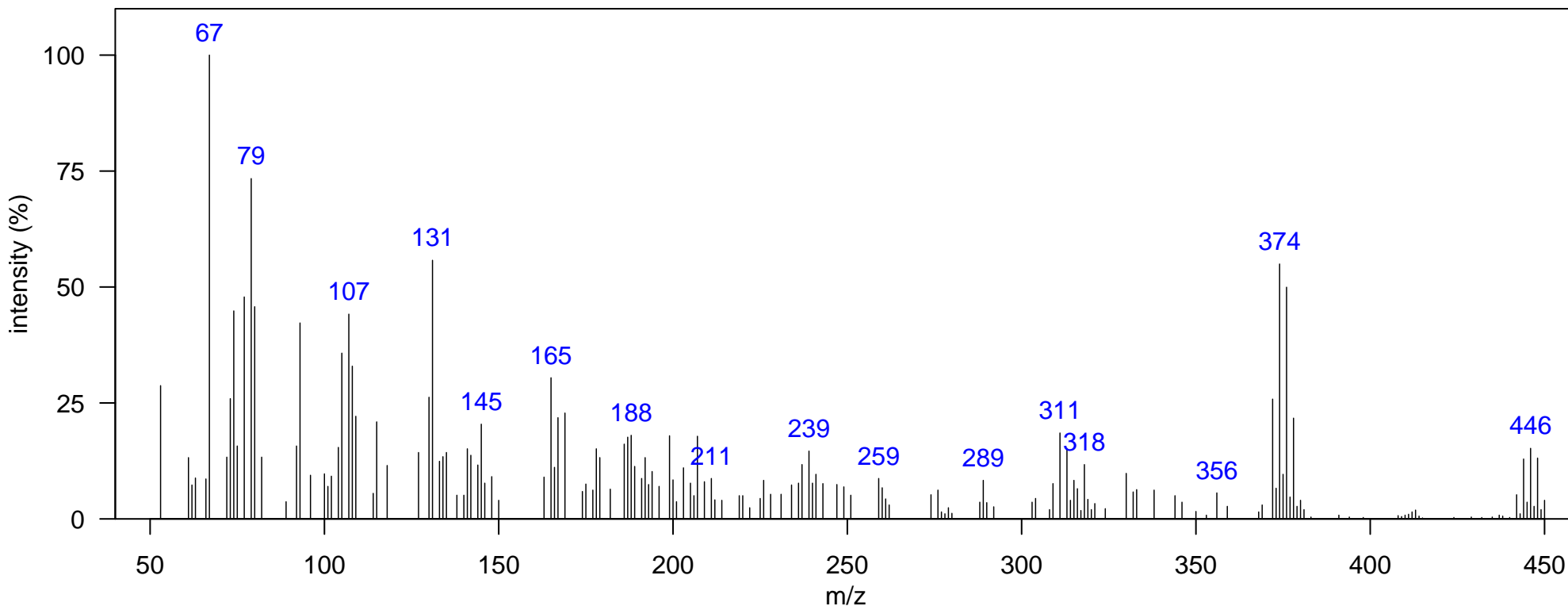
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinated diphenyl ether 8Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
372 [M-Cl ₂] ⁺
442 M ⁺

Name: unknown-4-16

Class: Unknown-4

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 1638.91, 1.782

Elemental Formula: C₁₂H₂Cl₈O

Ecotype: coastal

Quantitative Ion m/z: 446

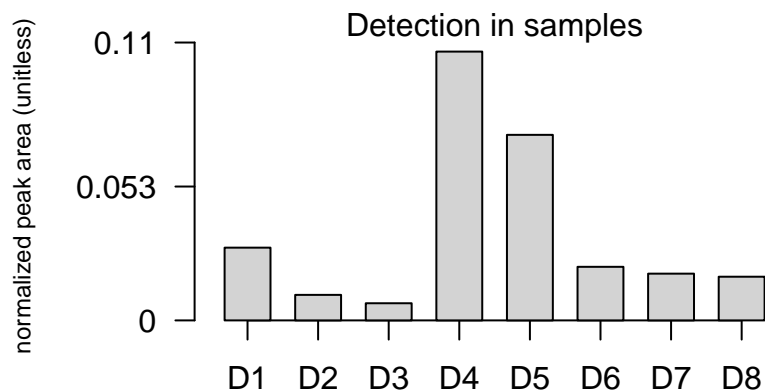
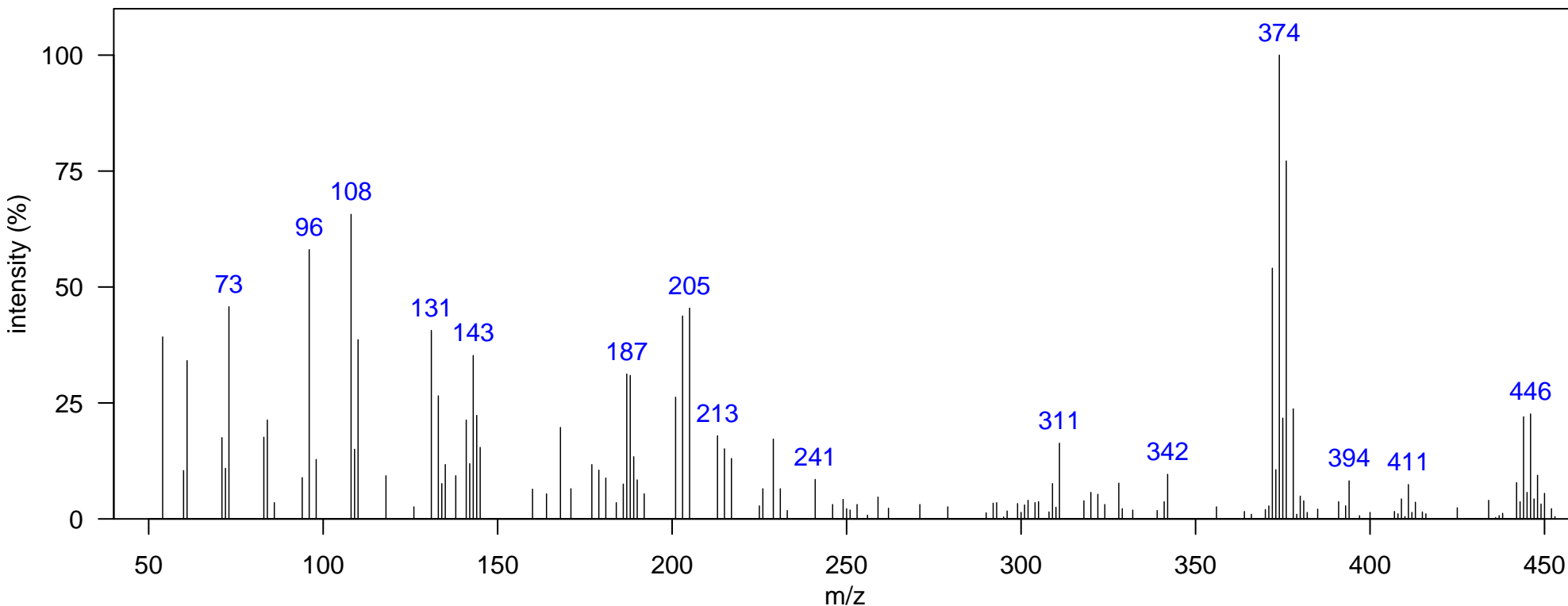
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: polychlorinated diphenyl ether 8Cl

Identification:

Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
372 [M-Cl ₂] ⁺
442 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1729.85, 1.894

Elemental Formula: C₁₂HCl₉O

Ecotype: coastal

Quantitative Ion m/z: 480

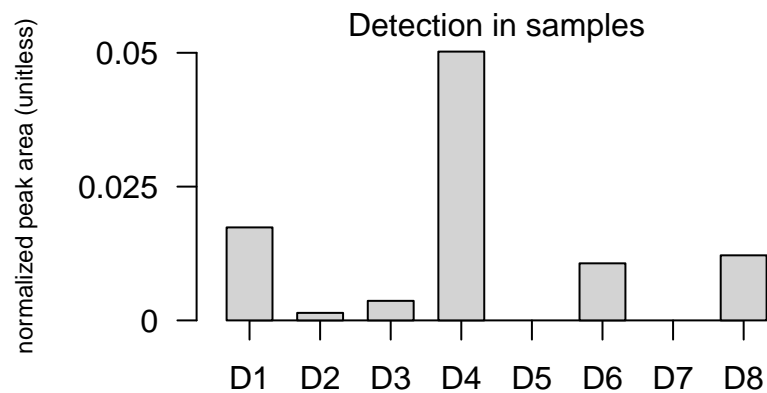
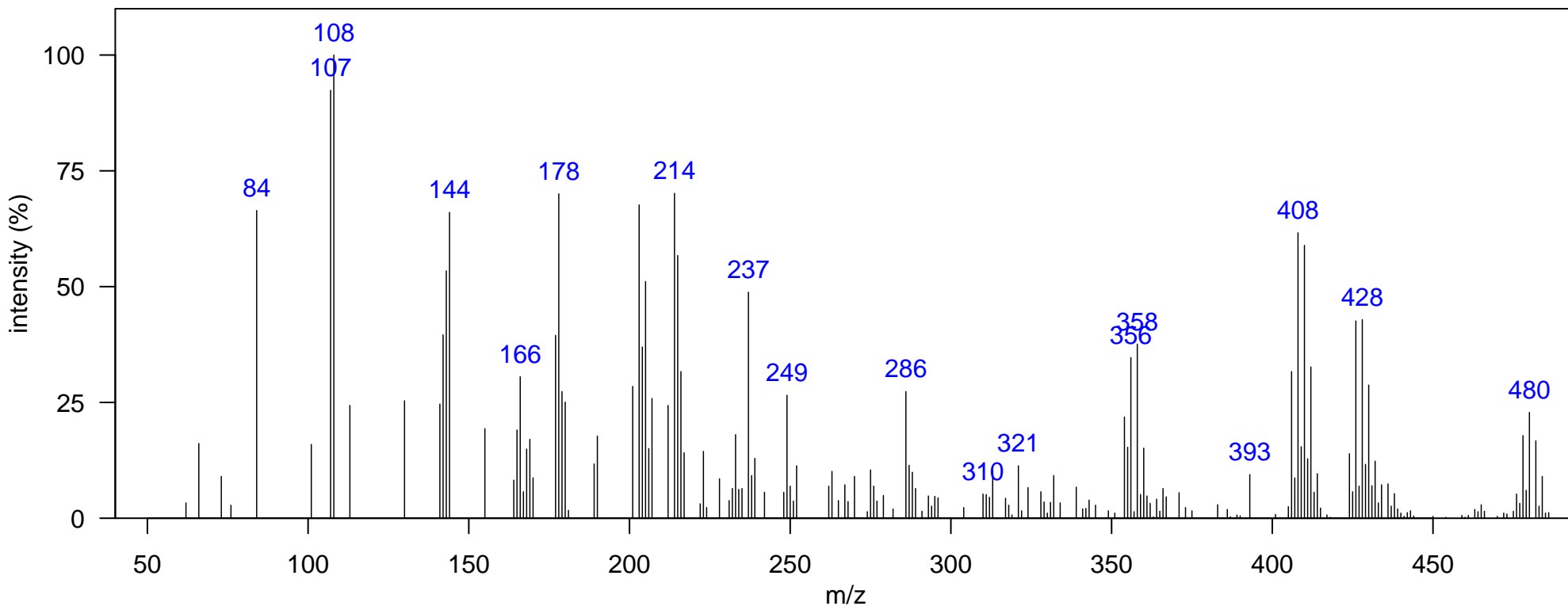
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

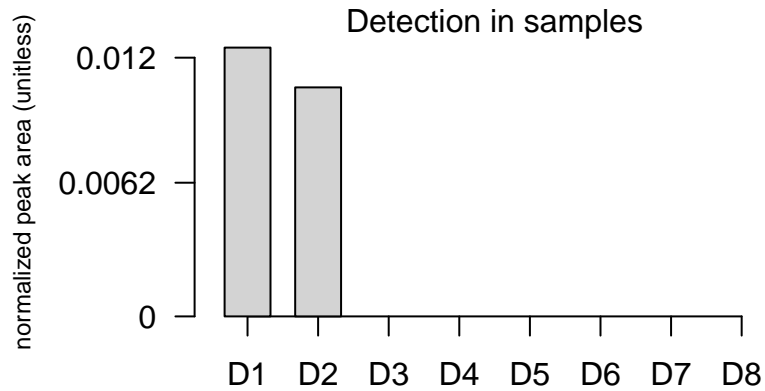
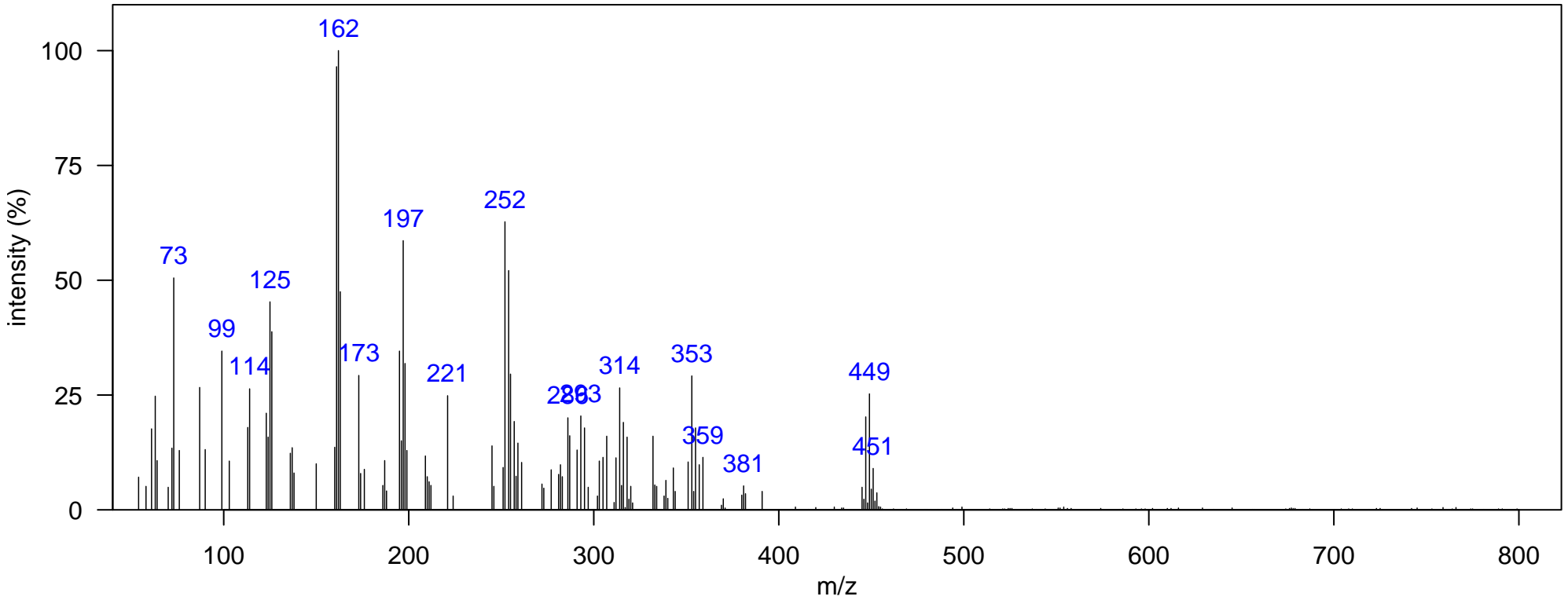
Comment: sharing common m/z ions and the pattern. Hypothesized PCDE or OH-PCB



m/z [Fragment]
428 PCB Interference
406 [M-Cl ₂] ⁺
476 M ⁺

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1478, 1.412
Ecotype: coastal Quantitative Ion m/z: 449
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: unknown 13
Comment: sharing common m/z ions and the pattern

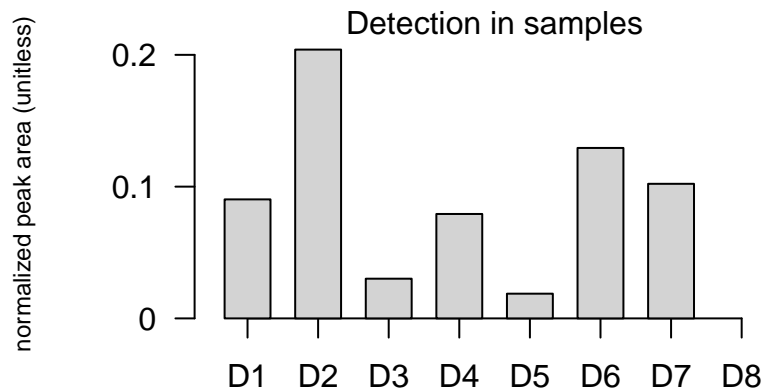
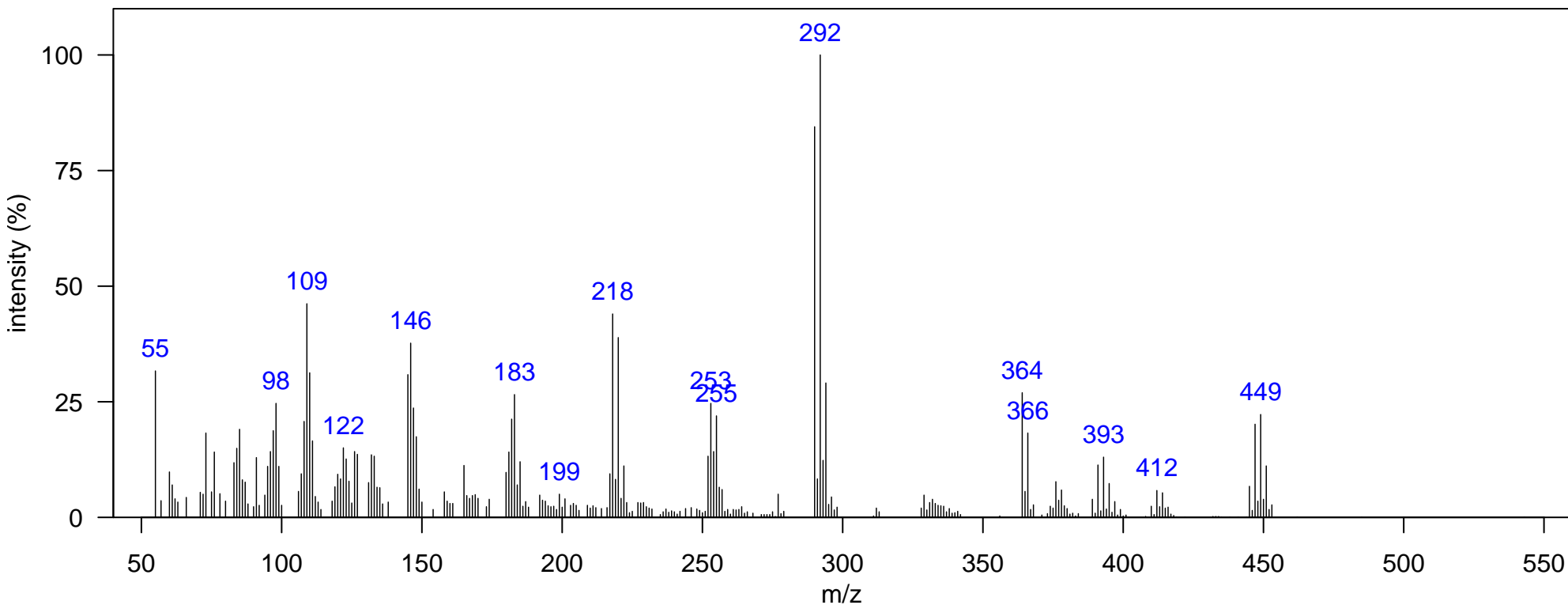
Elemental Formula:
Source: unknown
Identification:



m/z [Fragment]

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1488.49, 1.432
Ecotype: coastal Quantitative Ion m/z: 449
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib: unknown 13
Comment: sharing common m/z ions and the pattern

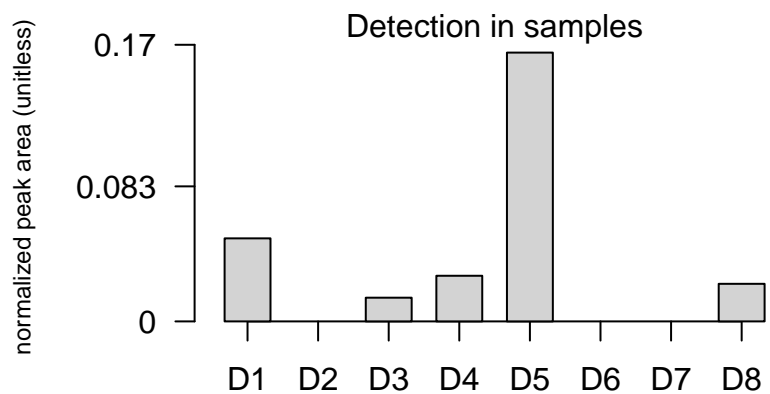
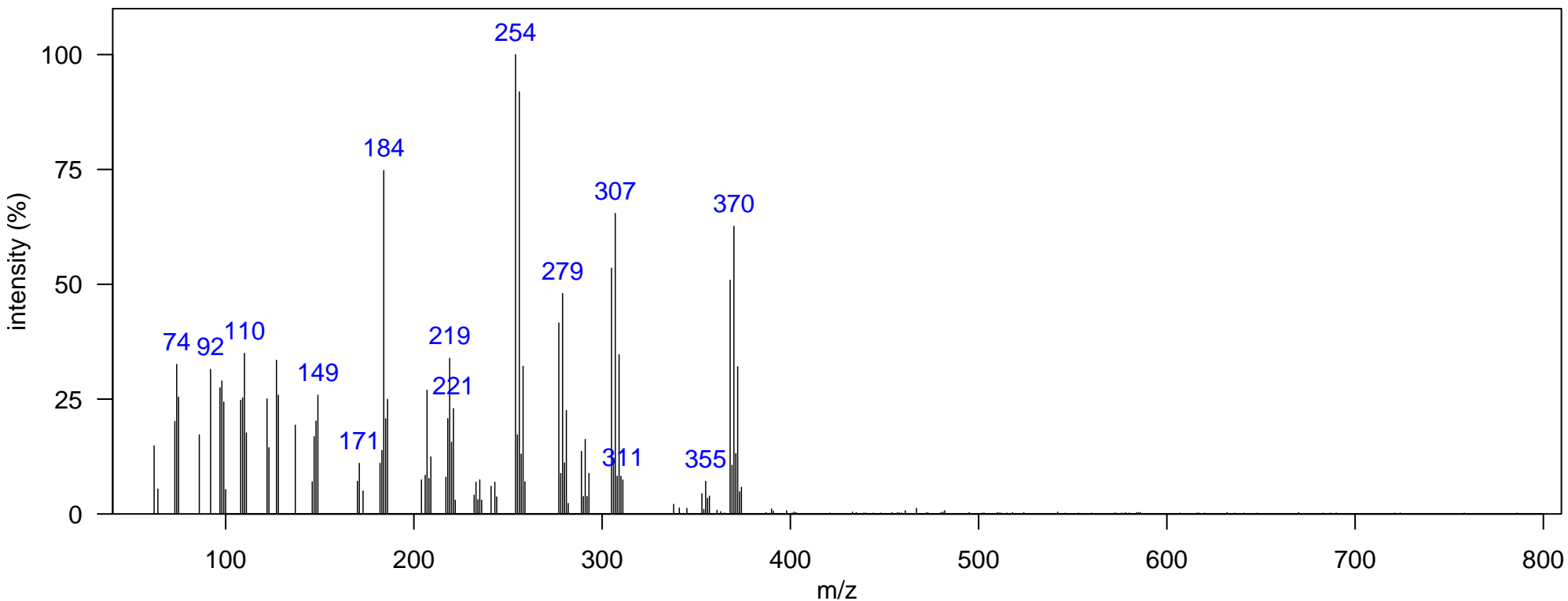
Elemental Formula:
Source: unknown
Identification:



m/z [Fragment]

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1610.92, 2.013
 Ecotype: coastal Quantitative Ion m/z: 370
 Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
 Comment: sharing common m/z ions and the pattern

Elemental Formula:
 Source: unknown
 Identification:



m/z [Fragment]

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1638.91, 2.224

Ecotype: coastal

Quantitative Ion m/z: 370

Instrument: GCxGC-TOF, EI, 70 eV

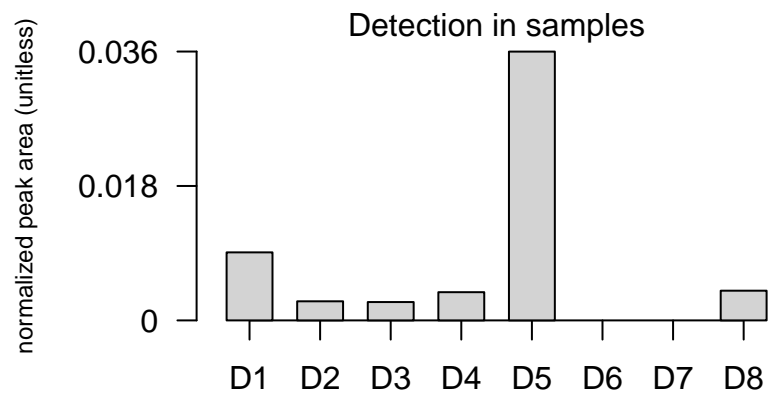
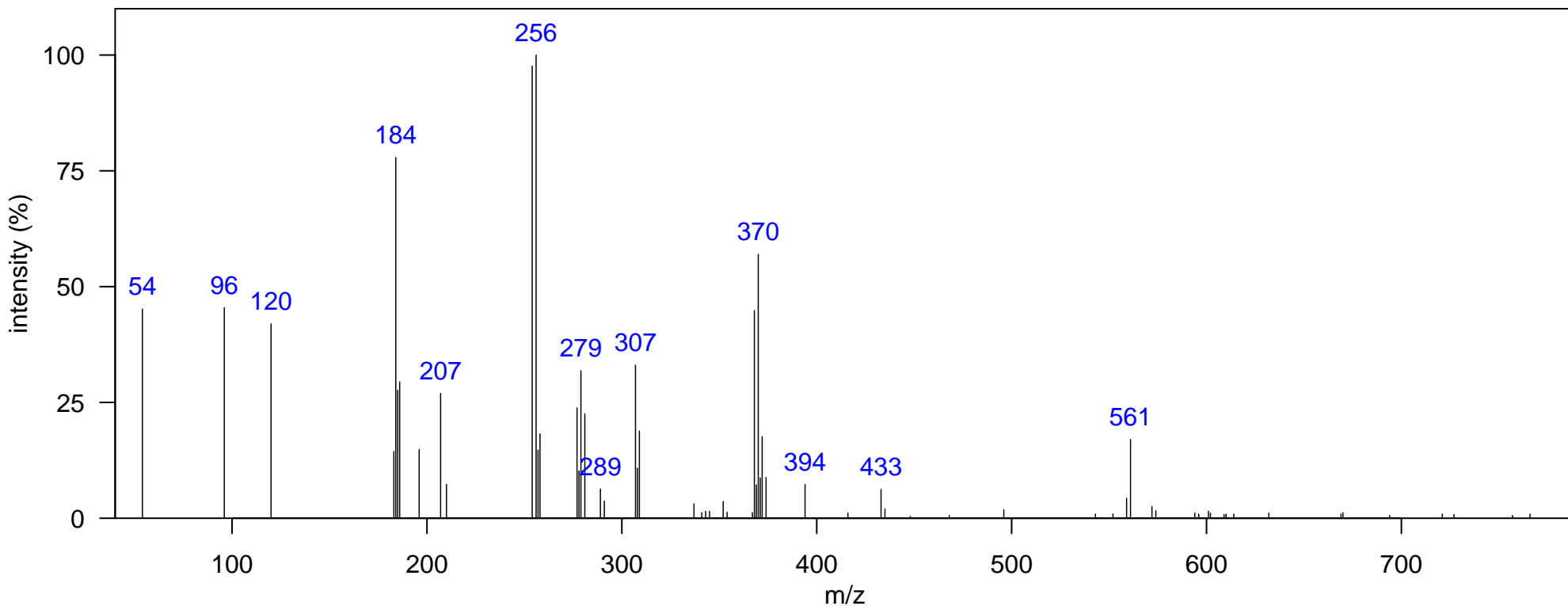
Atlantic Lib:

Elemental Formula:

Source: unknown

Comment: sharing common m/z ions and the pattern

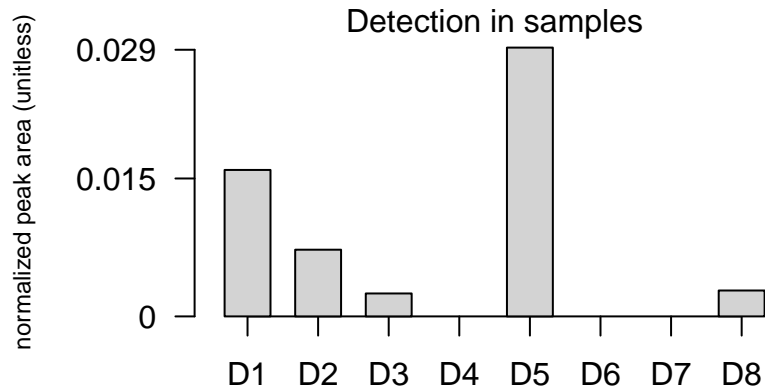
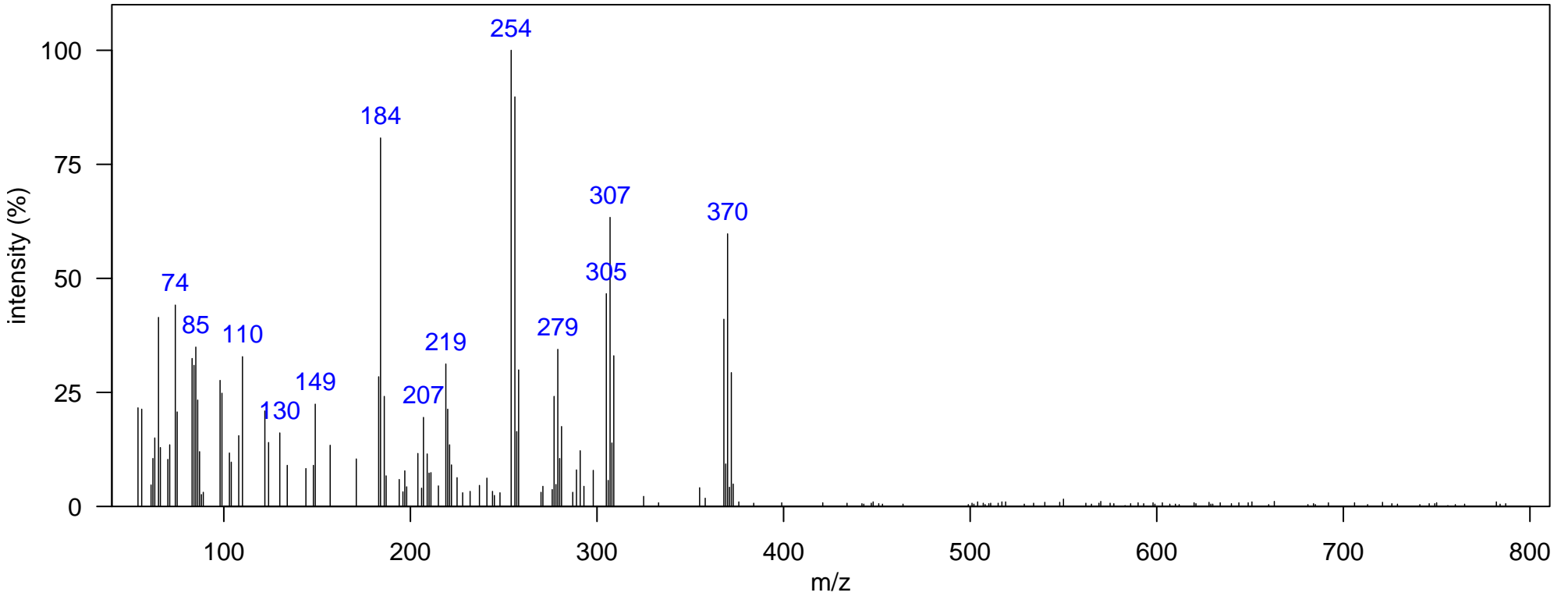
Identification:



m/z [Fragment]

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1698.37, 2.27
Ecotype: coastal Quantitative Ion m/z: 370
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: sharing common m/z ions and the pattern

Elemental Formula:
Source: unknown
Identification:



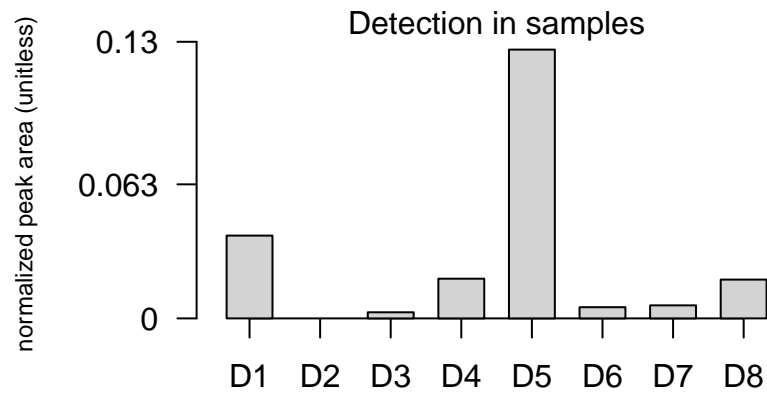
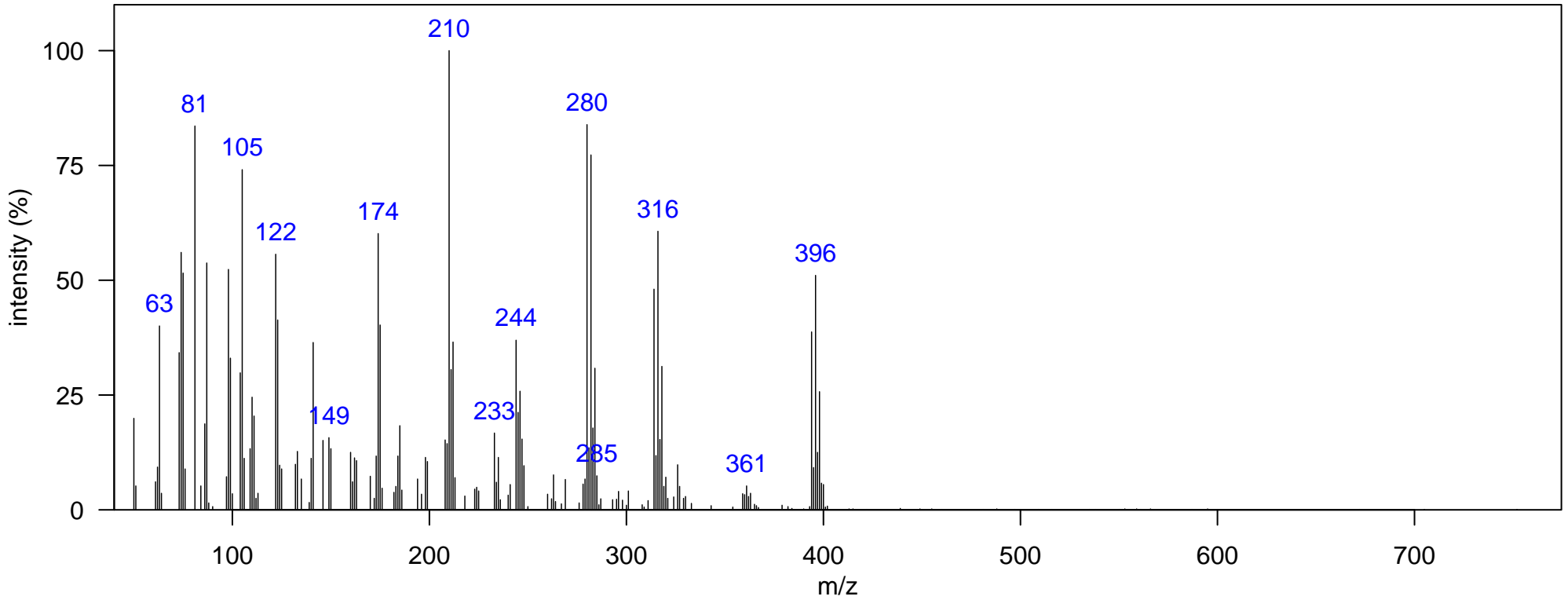
m/z [Fragment]

Name: unknown-7-1

Class: Unknown-7

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1663.39, 2.119
Ecotype: coastal Quantitative Ion m/z: 396
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: sharing common m/z ions and the pattern

Elemental Formula:
Source: unknown
Identification:



m/z [Fragment]

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1719.36, 2.224

Ecotype: coastal

Quantitative Ion m/z: 396

Elemental Formula:

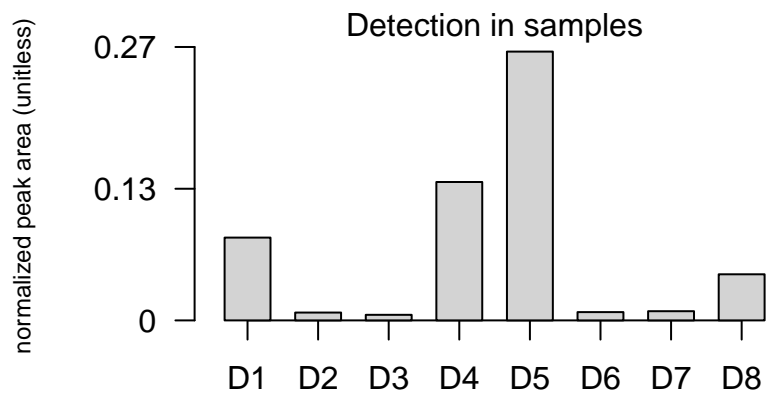
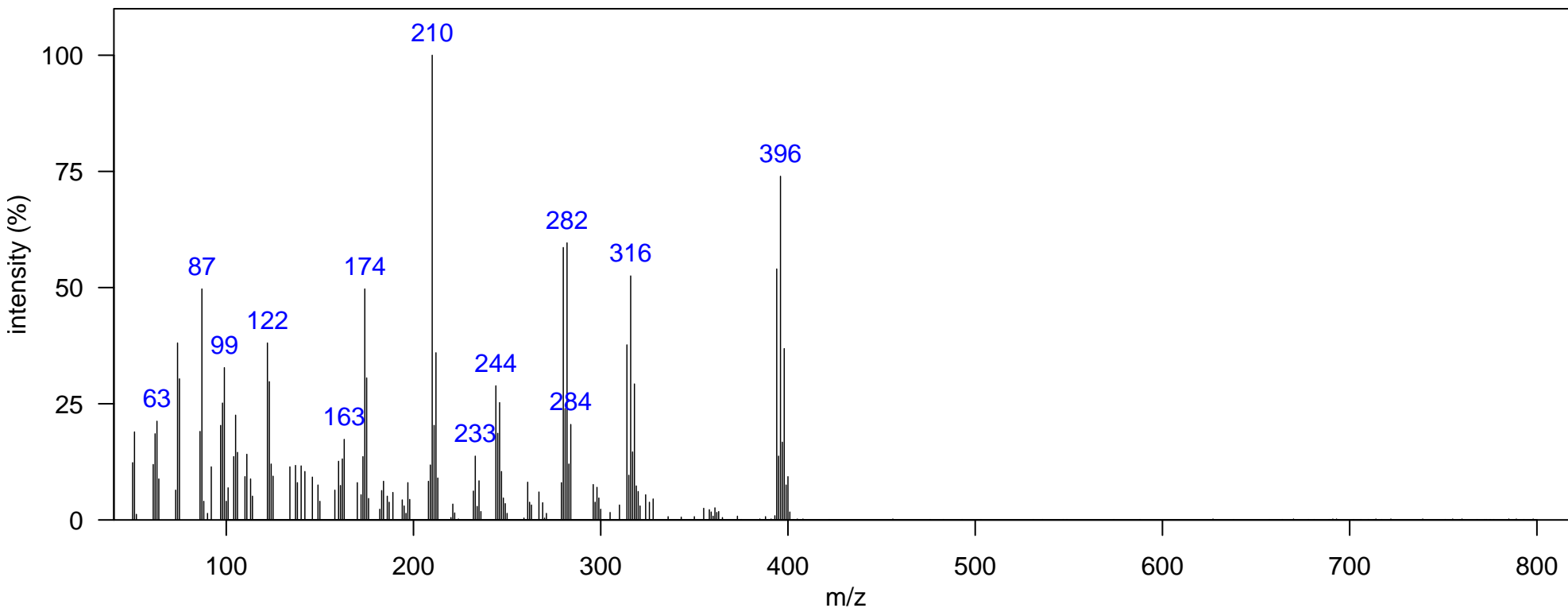
Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Source: unknown

Comment: sharing common m/z ions and the pattern

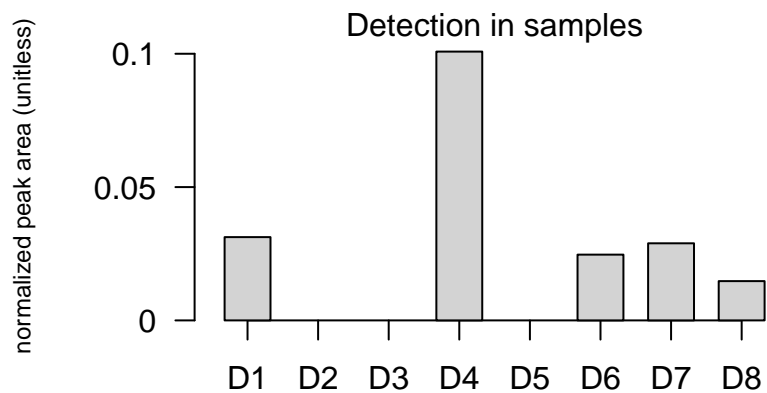
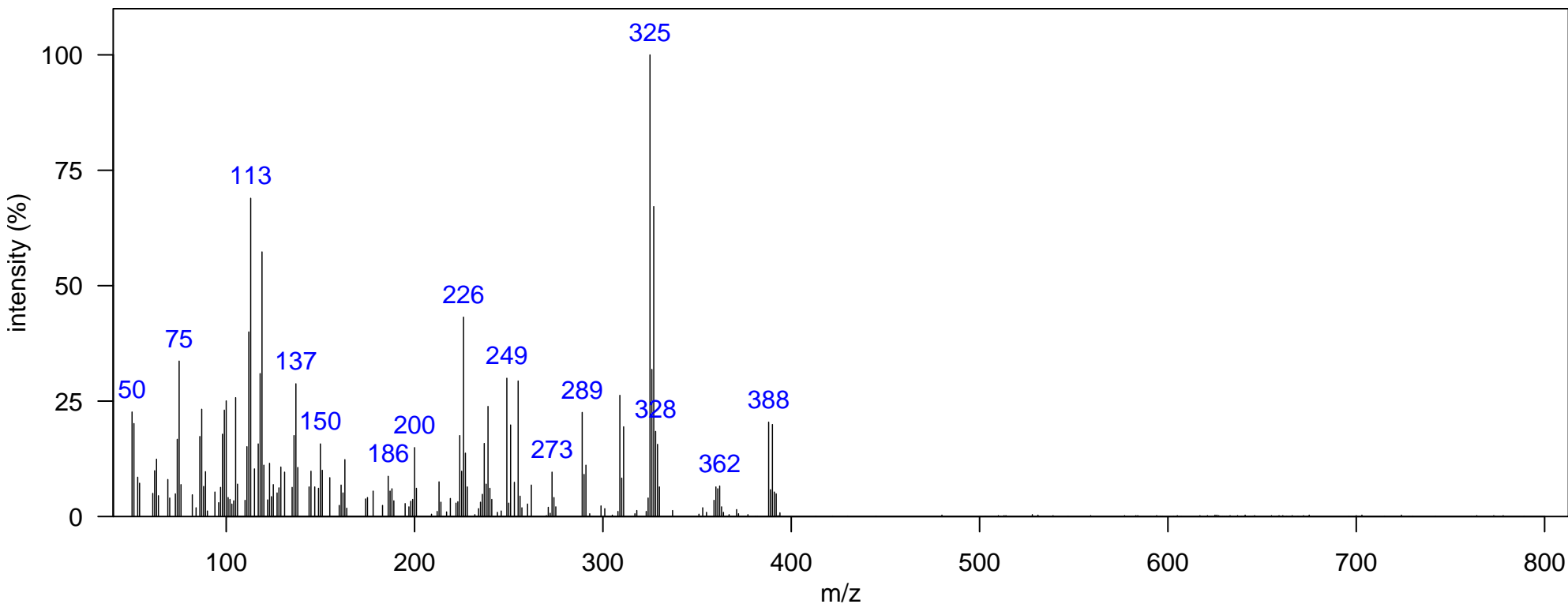
Identification:



m/z [Fragment]

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1684.38, 2.343
Ecotype: offshore Quantitative Ion m/z: 325
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment: sharing common m/z ions and the pattern

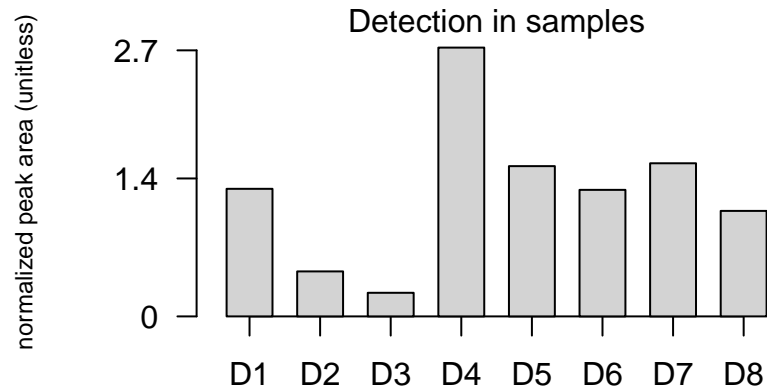
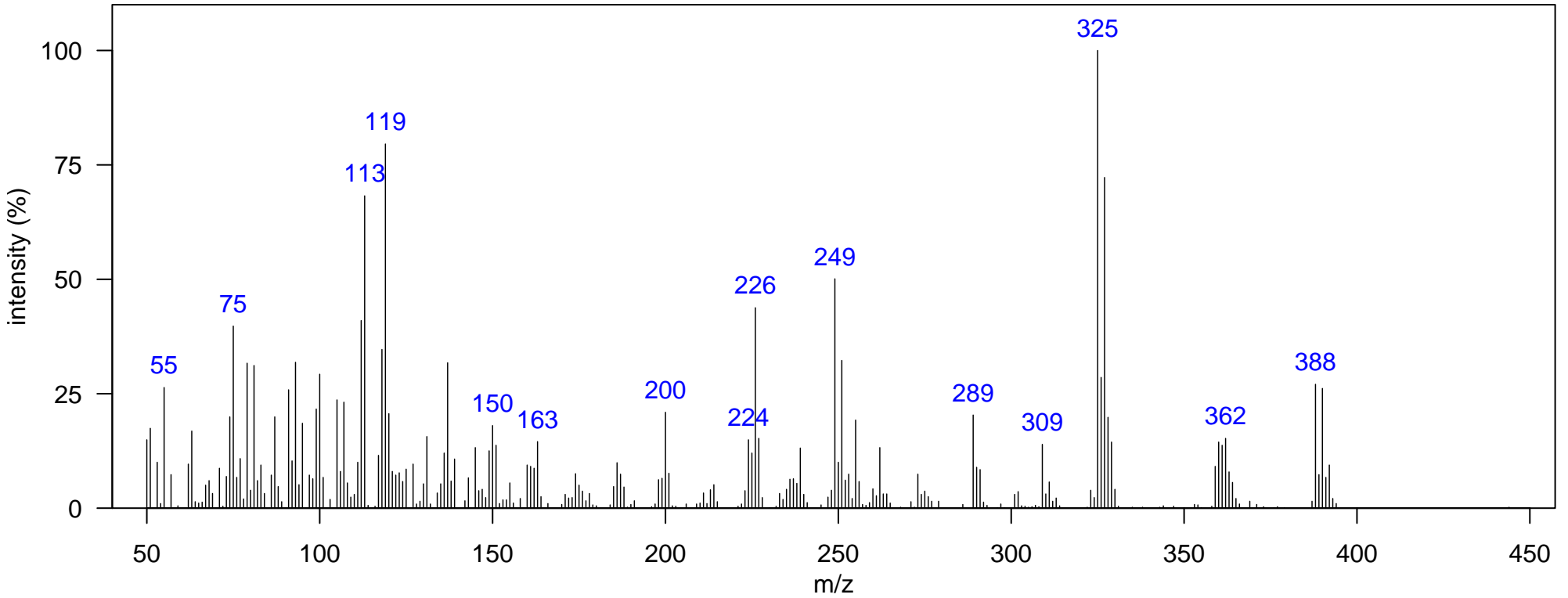
Elemental Formula:
Source: unknown
Identification:



m/z [Fragment]

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1708.87, 2.145
 Ecotype: coastal Quantitative Ion m/z: 325
 Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
 Comment: sharing common m/z ions and the pattern

Elemental Formula:
 Source: unknown
 Identification:



m/z [Fragment]

Name: unknown-9

Class: Unknown

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 1086.22, 1.162

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 342

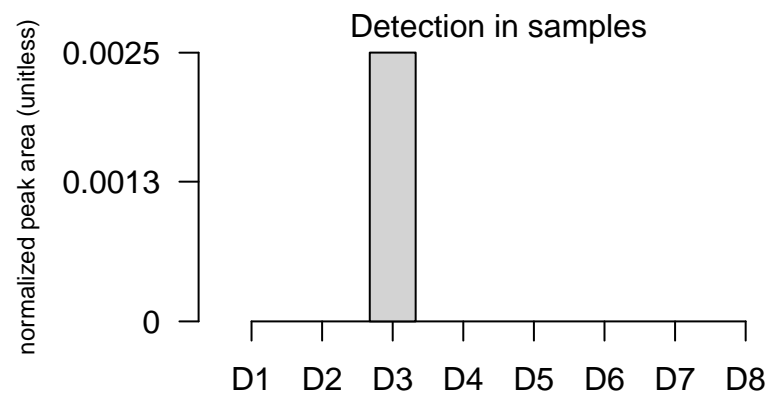
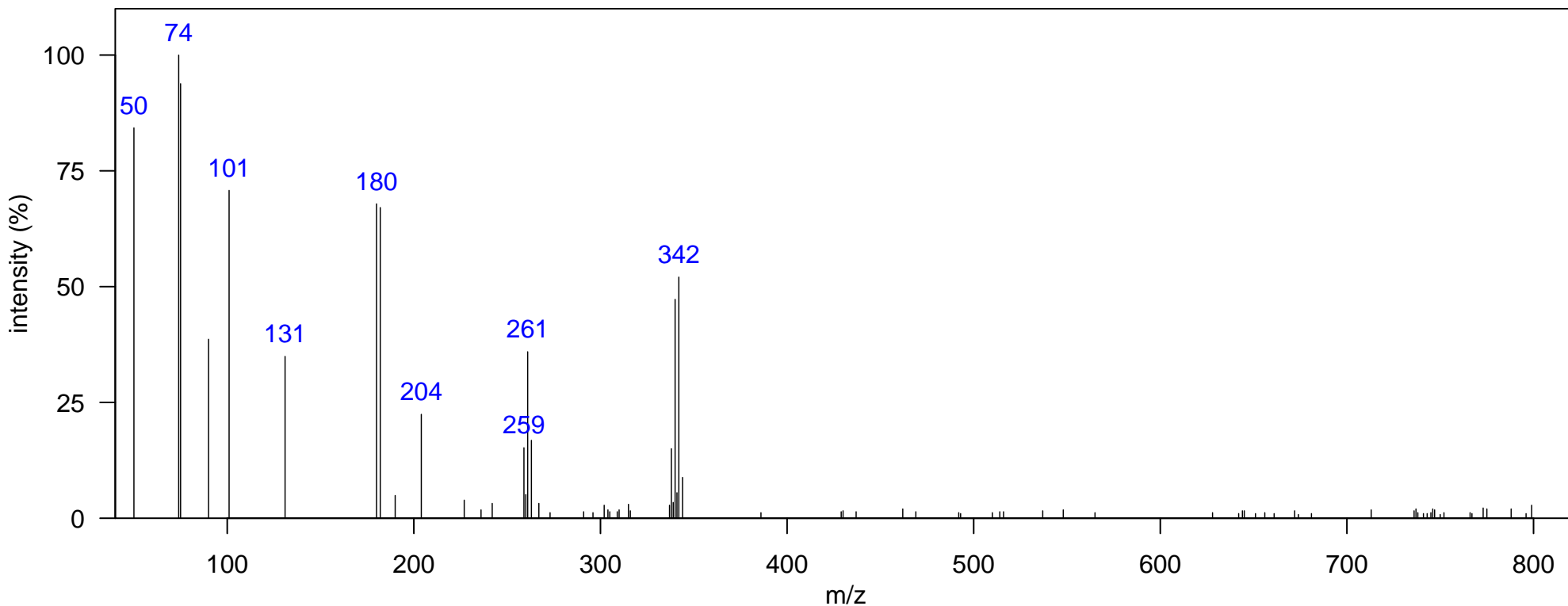
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-10

Class: Unknown

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1089.72, 1.181

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 222

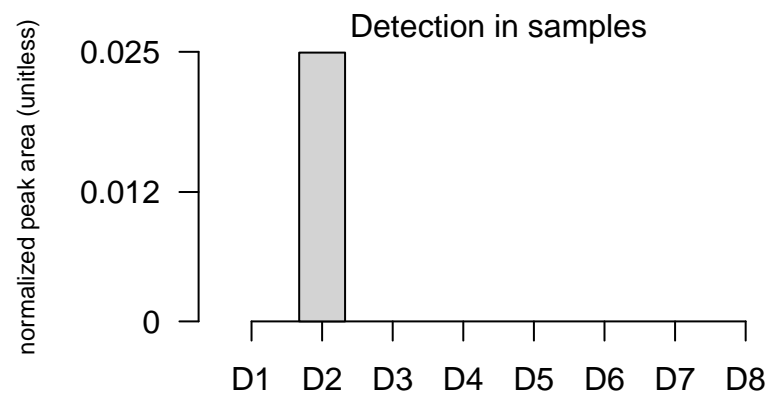
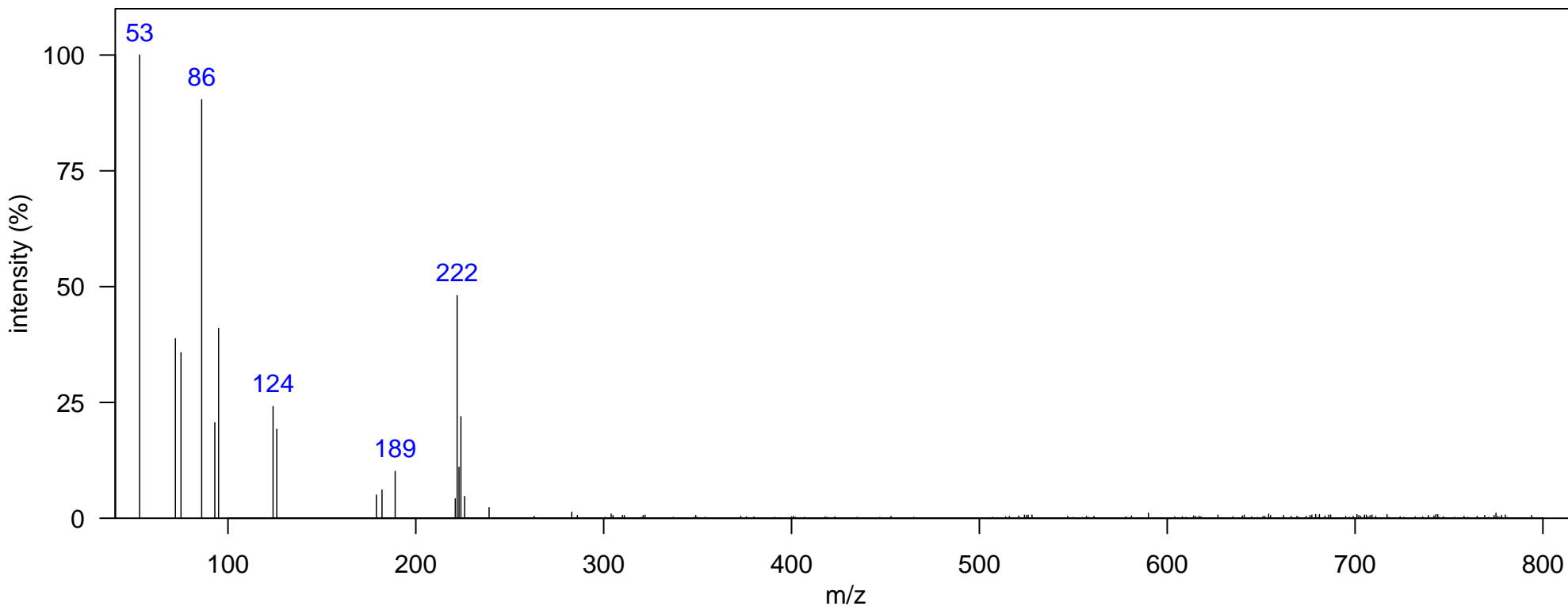
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-11

Class: Unknown

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 1138.69, 1.208

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 199

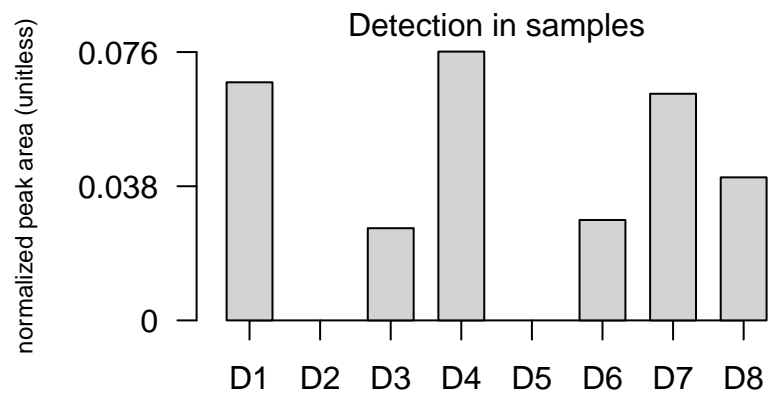
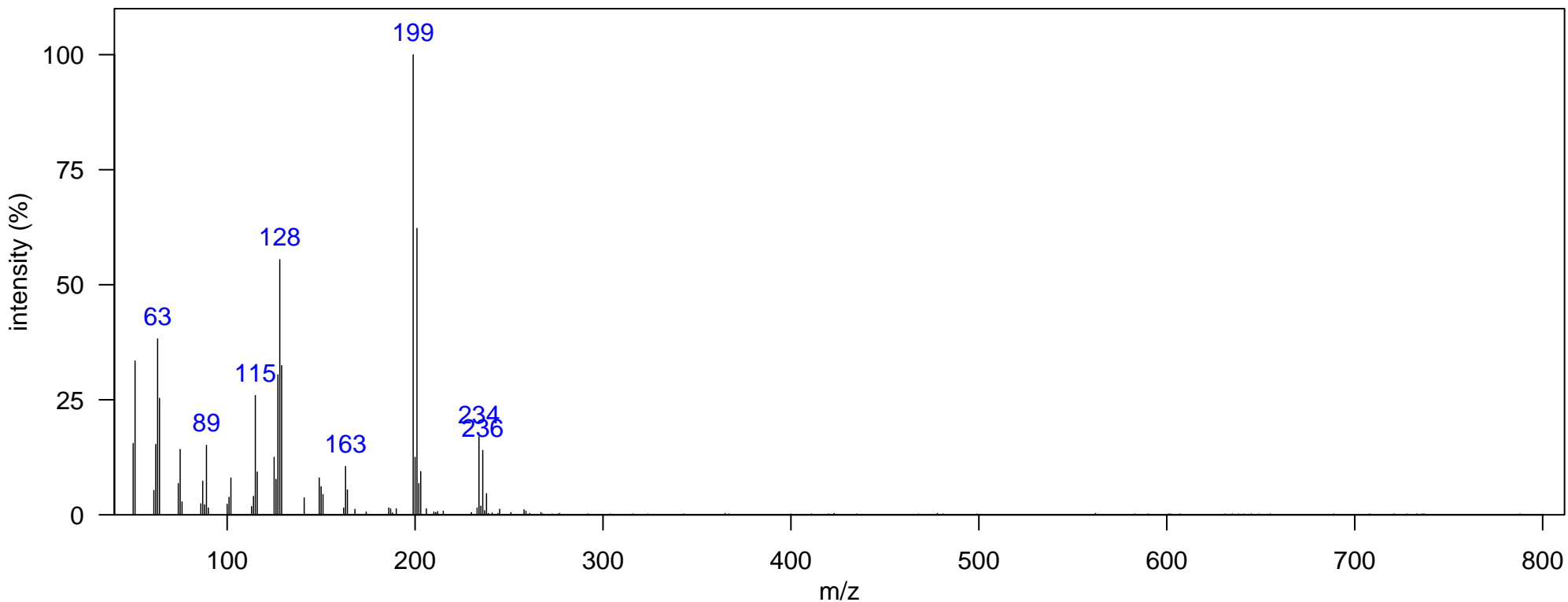
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-12

Class: Unknown

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1194.66, 1.261

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 233

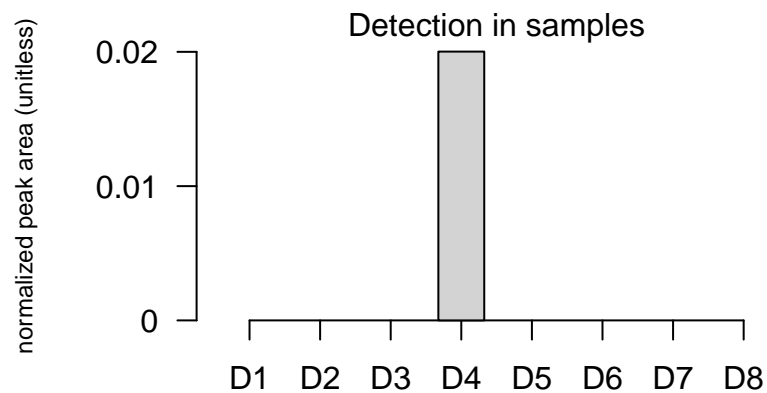
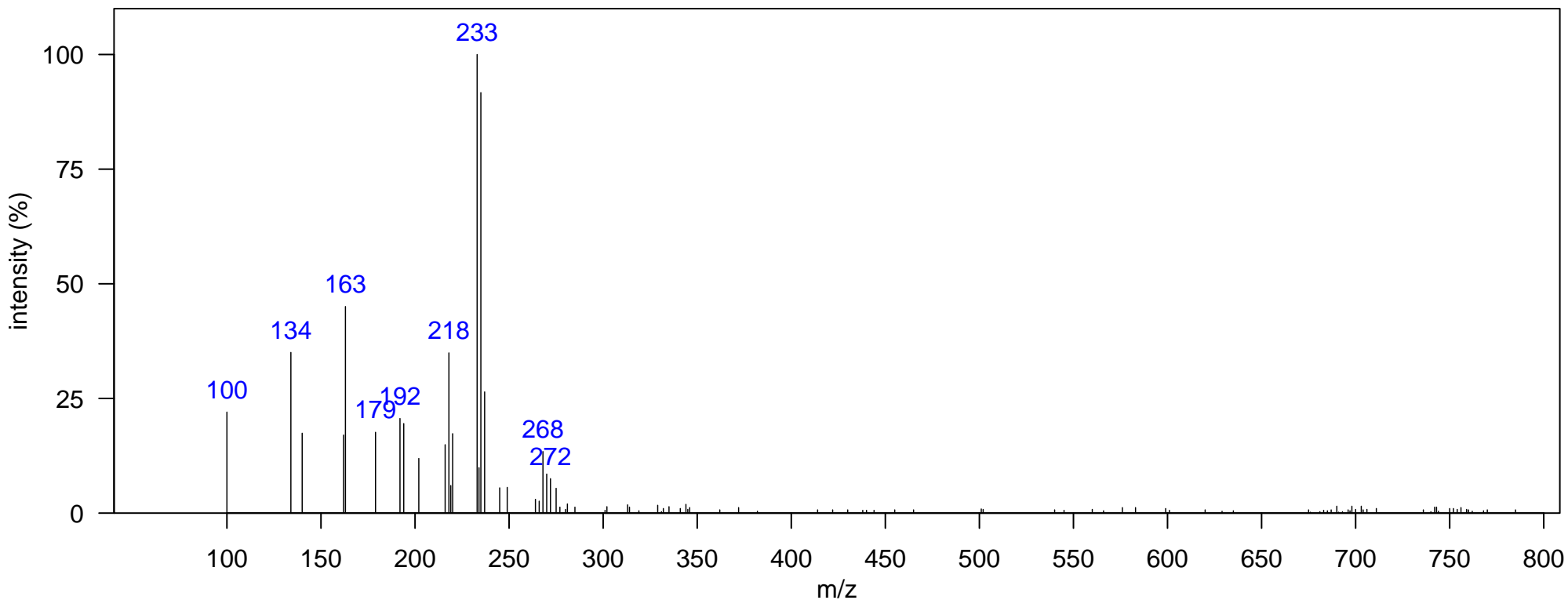
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-13

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1219.15, 1.175

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 317

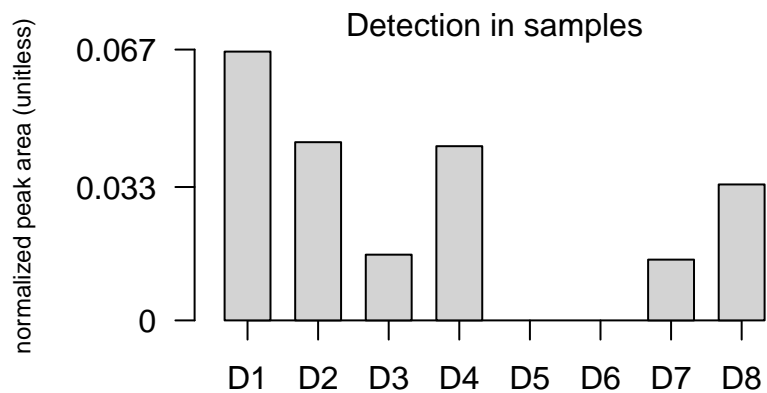
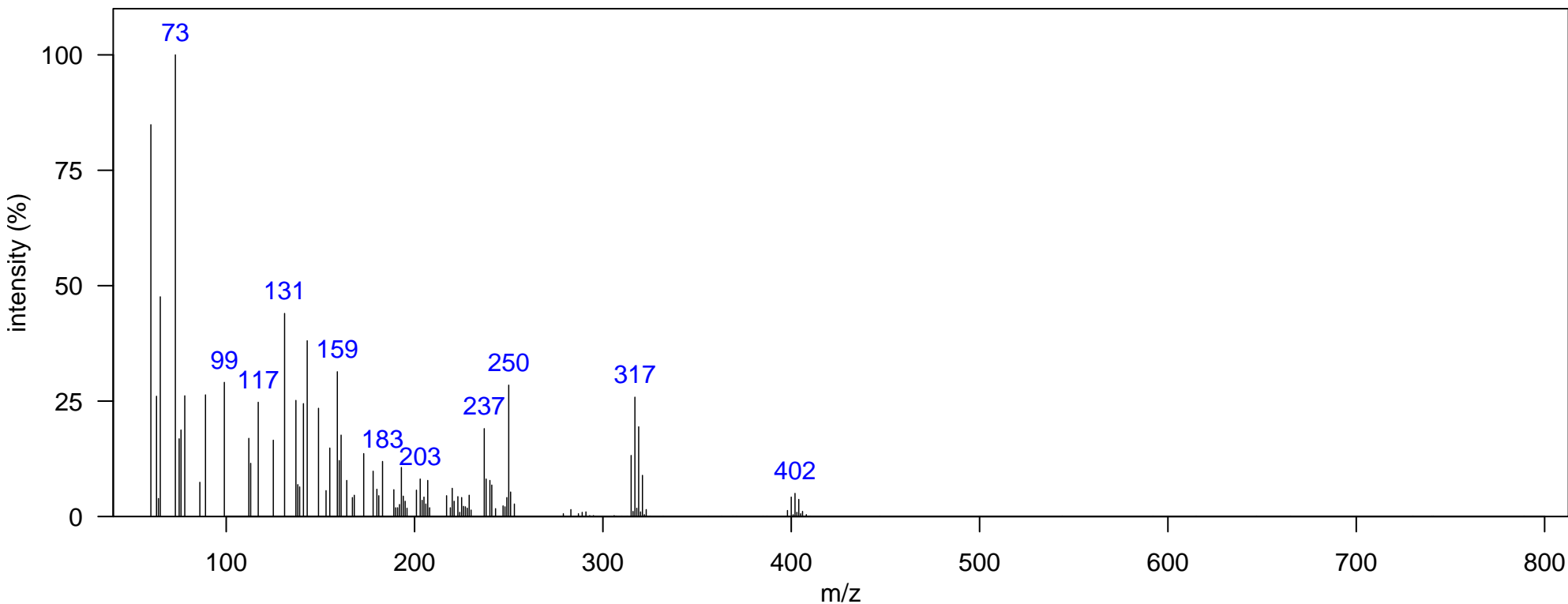
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib: unknown 8

Identification:

Comment:



m/z [Fragment]

Name: unknown-14

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1275.11, 1.261

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 233

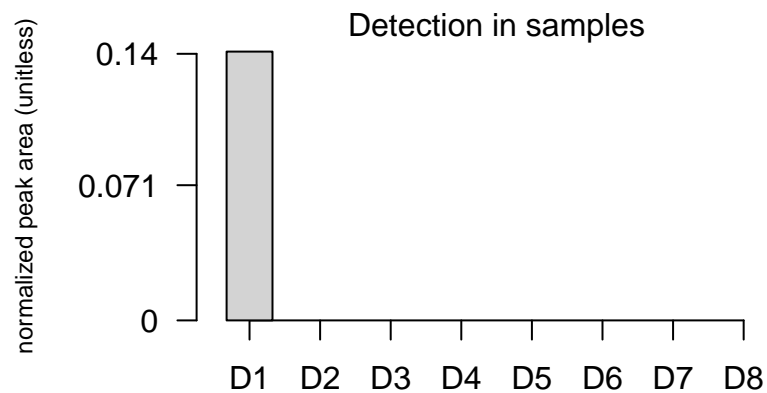
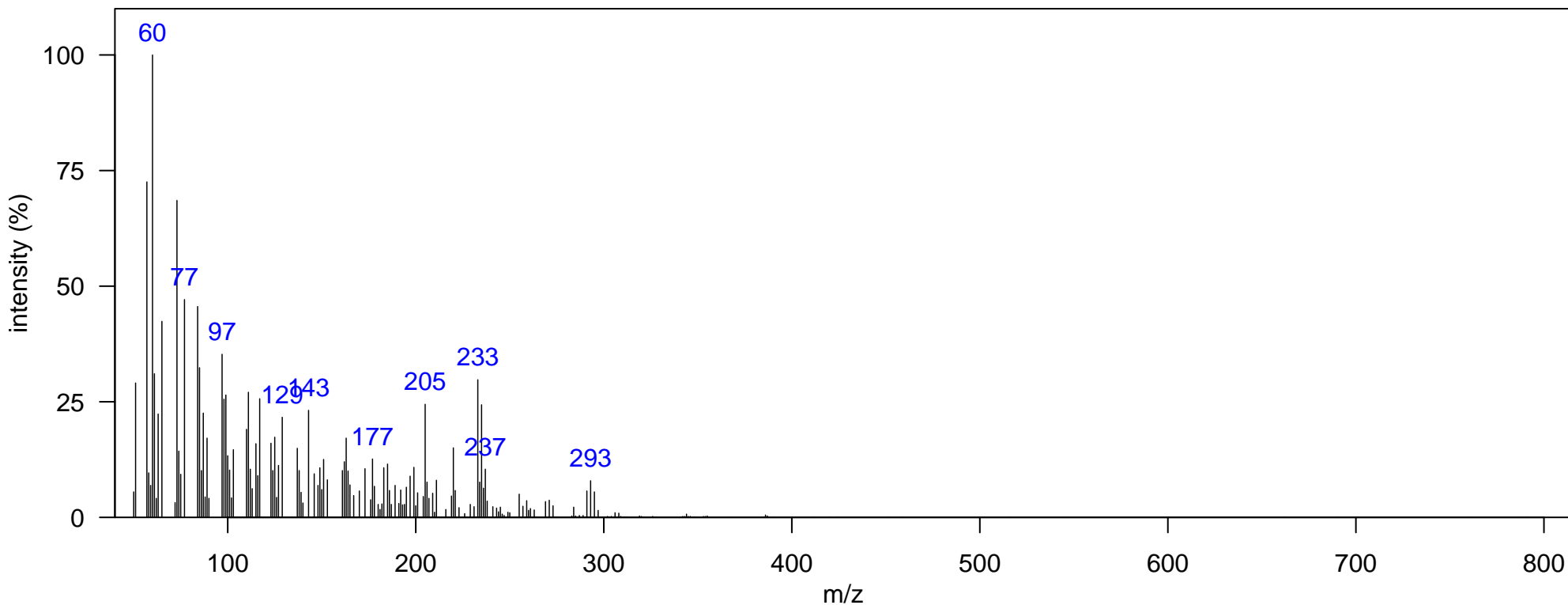
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-15

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1292.6, 1.228

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 361

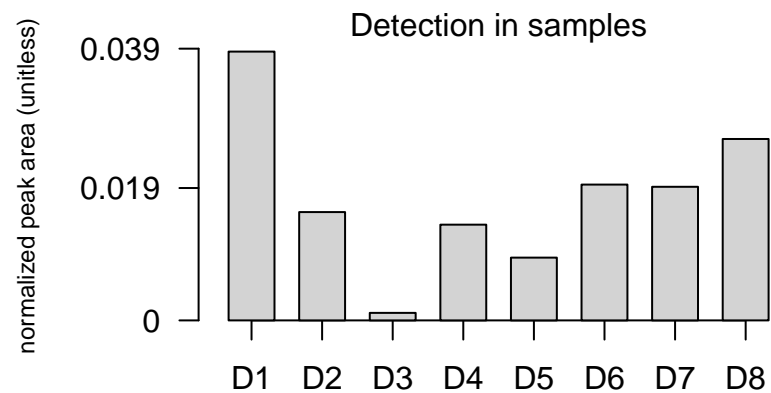
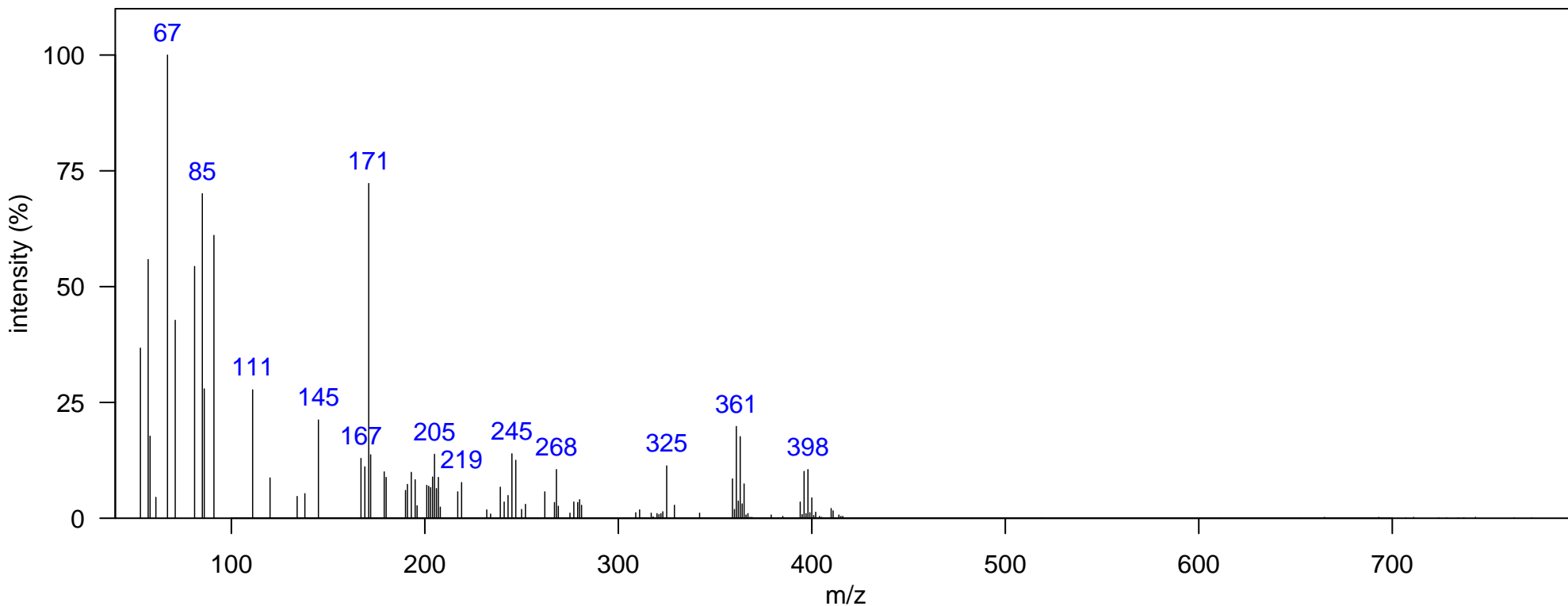
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-16

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1317.09, 1.267

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 355

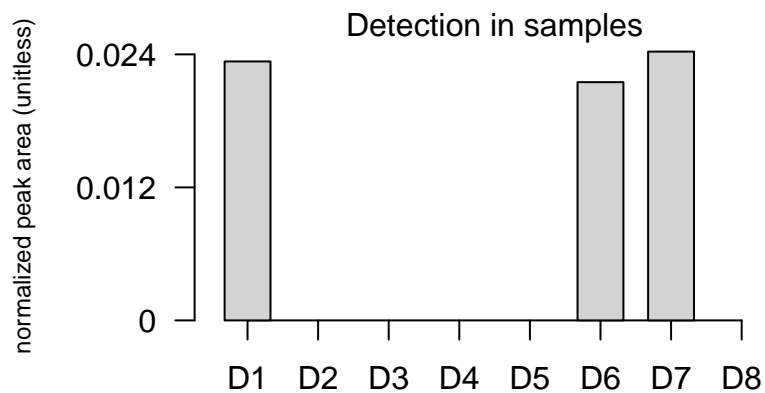
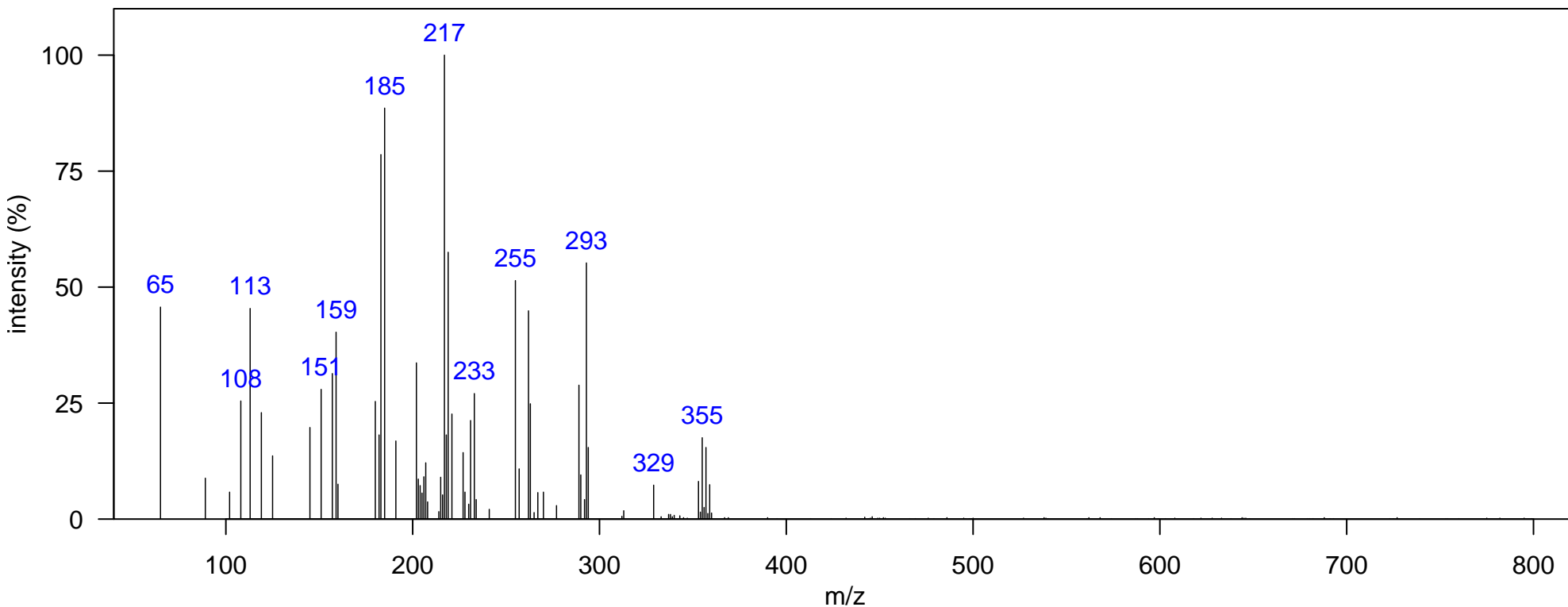
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-17

Class: Unknown

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1320.59, 1.261

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 369

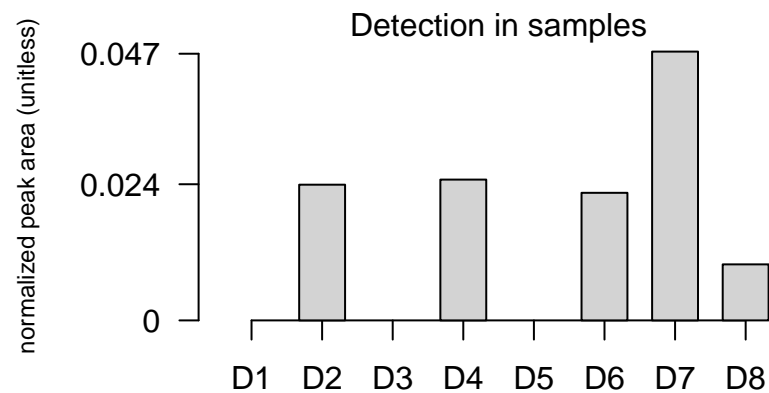
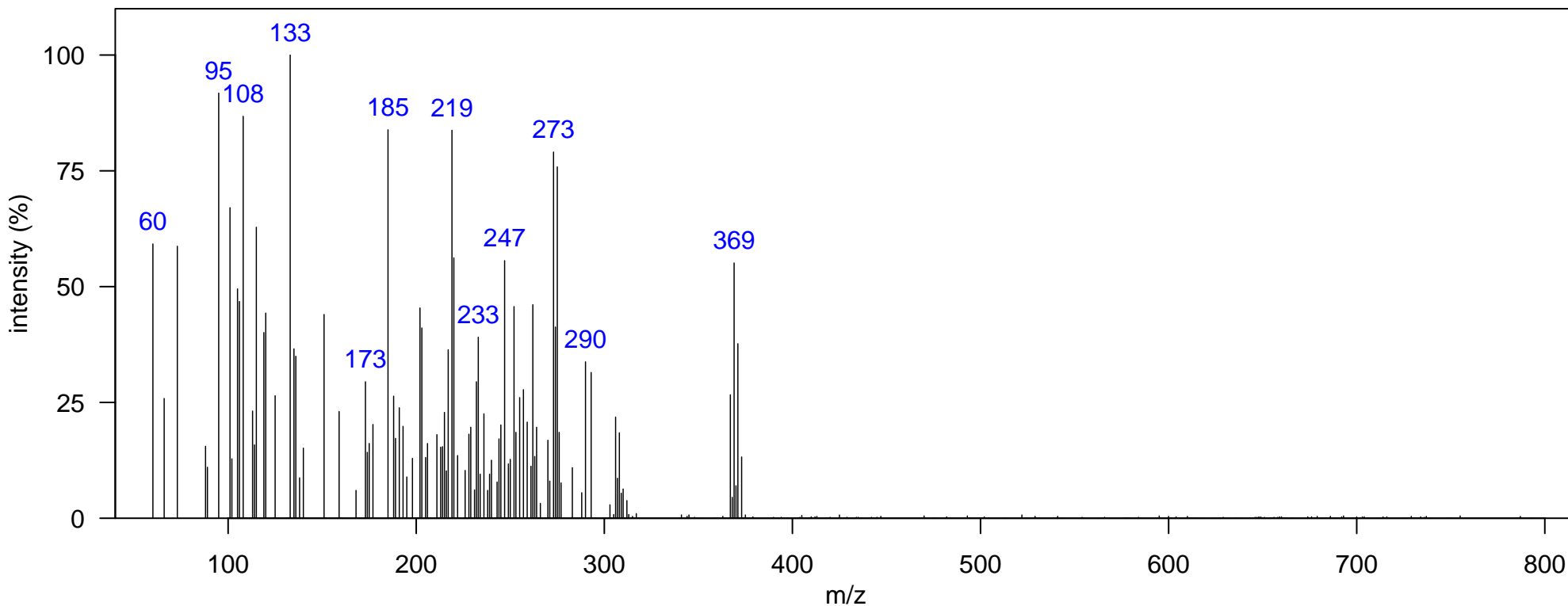
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-18

Class: Unknown

Sample: SoCal dolphin blubber D8, KXD0003 1D RT, 2D RT (s): 1401.04, 0.904

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 199

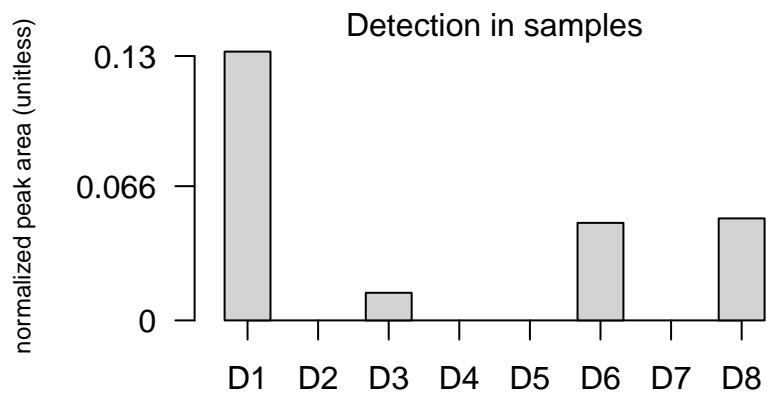
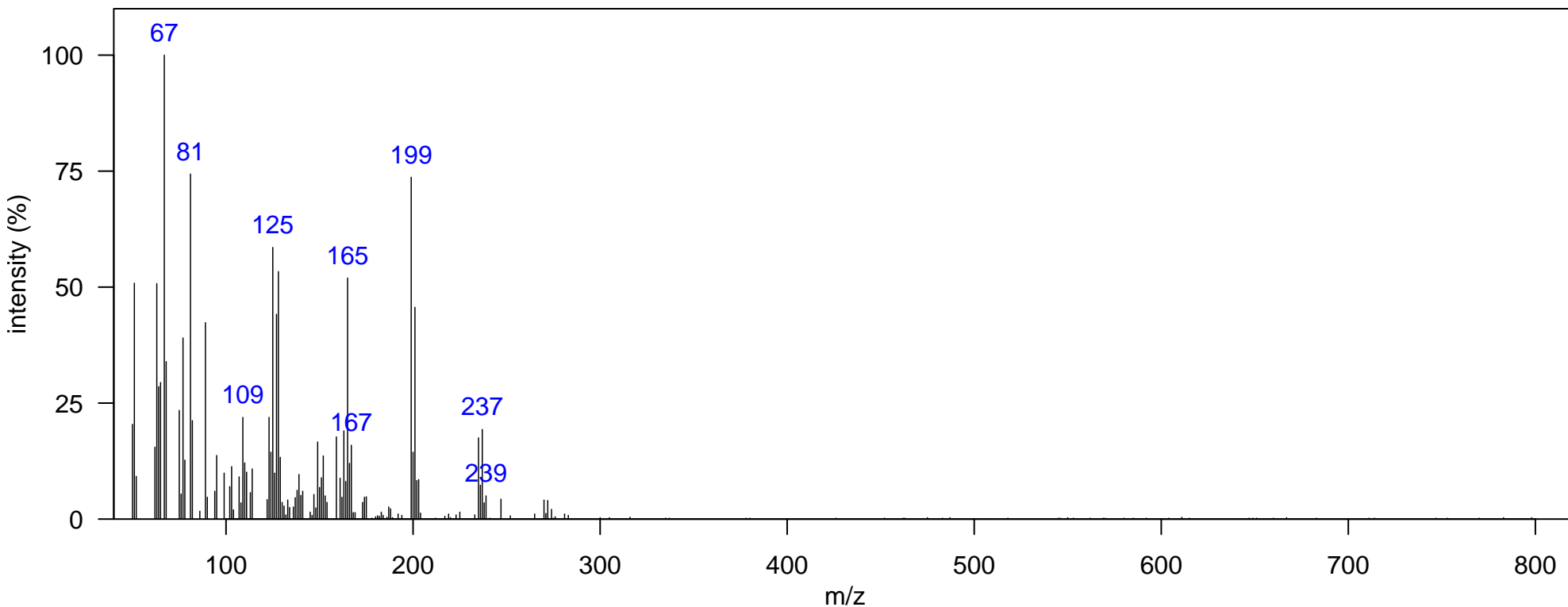
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



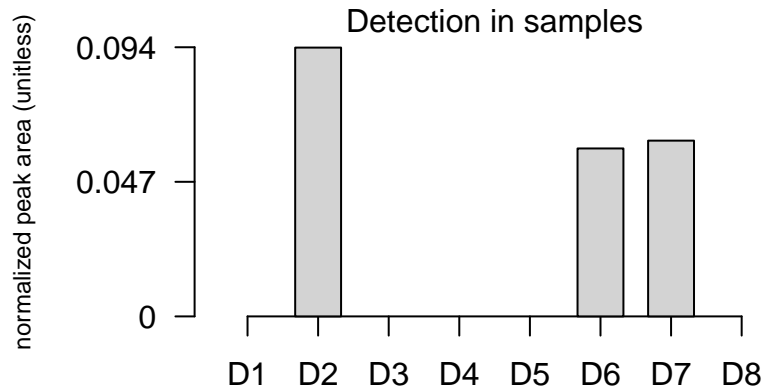
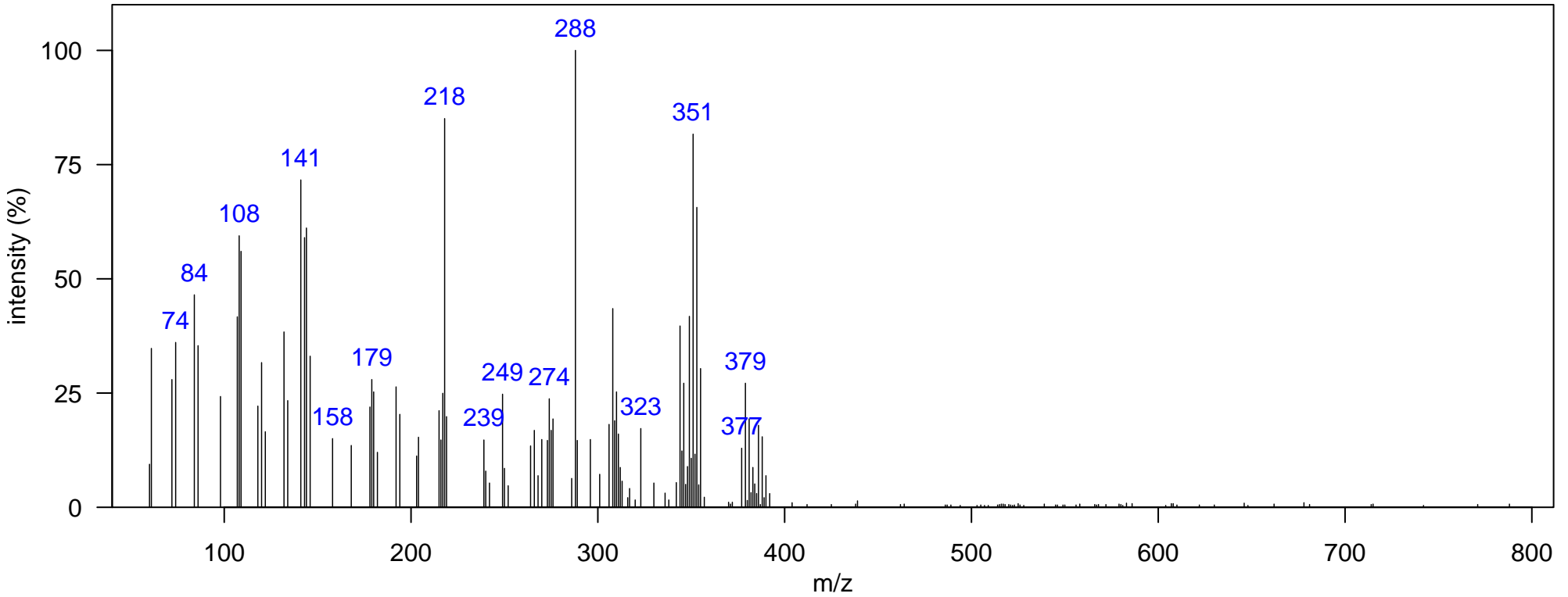
m/z [Fragment]

Name: unknown-19

Class: Unknown

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1397.54, 1.333
Ecotype: offshore Quantitative Ion m/z: 351
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula:
Source: unknown
Identification:



m/z [Fragment]

Name: unknown-20

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1425.53, 1.043

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 272

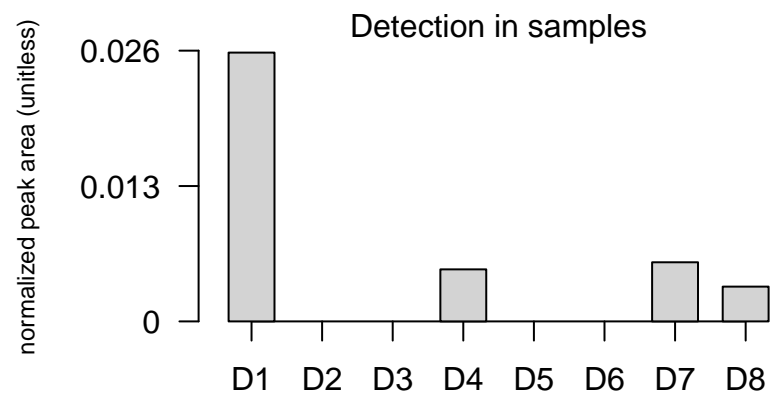
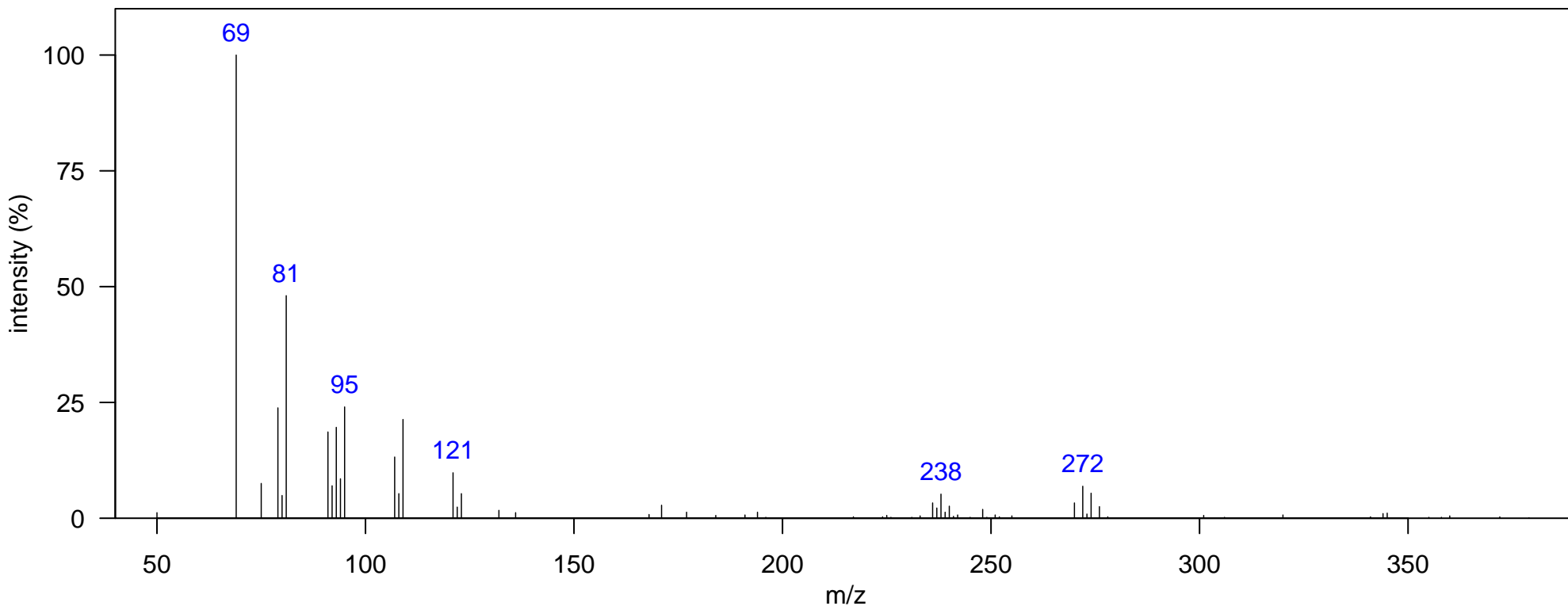
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-21

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1467.5, 1.373

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 348

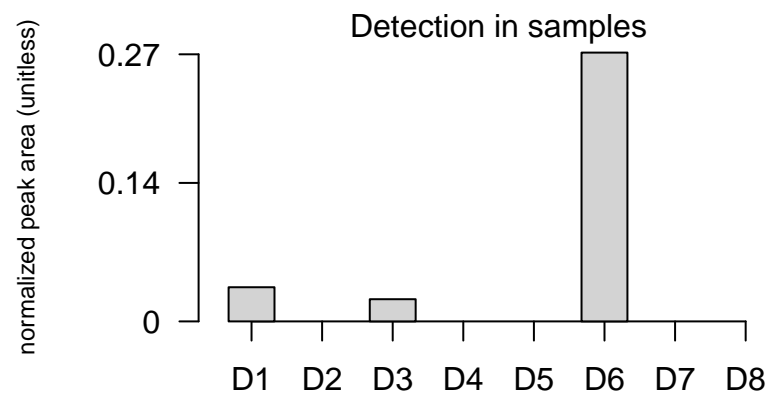
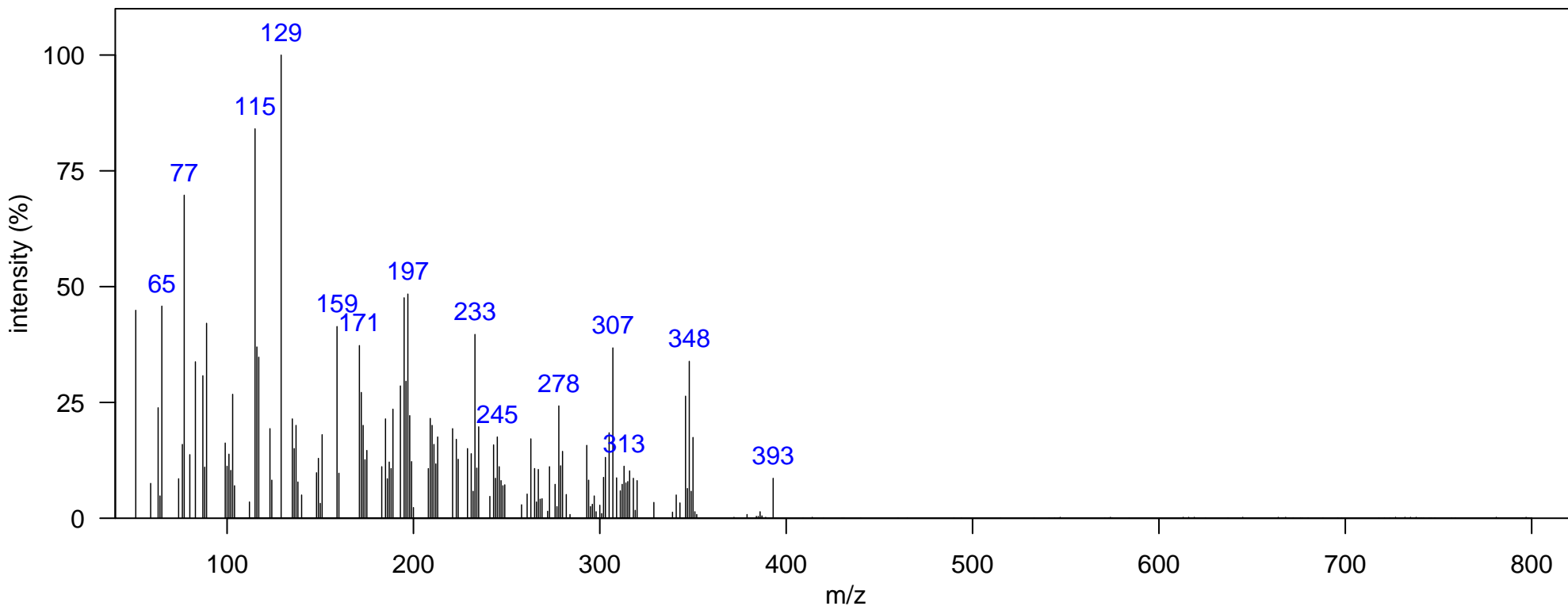
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-22

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1471, 1.406

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 342

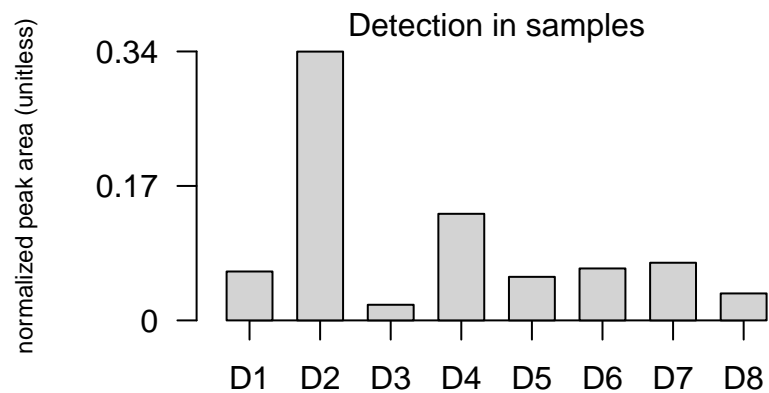
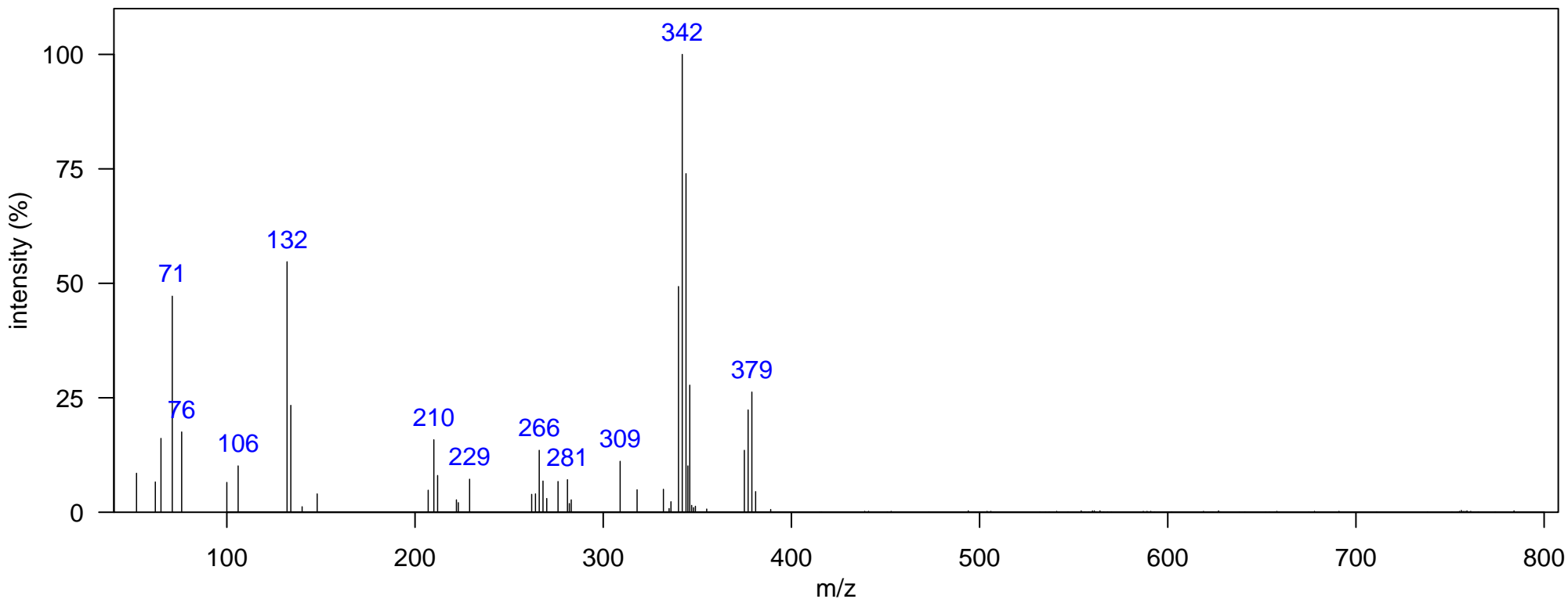
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-23

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1471, 1.346

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 404

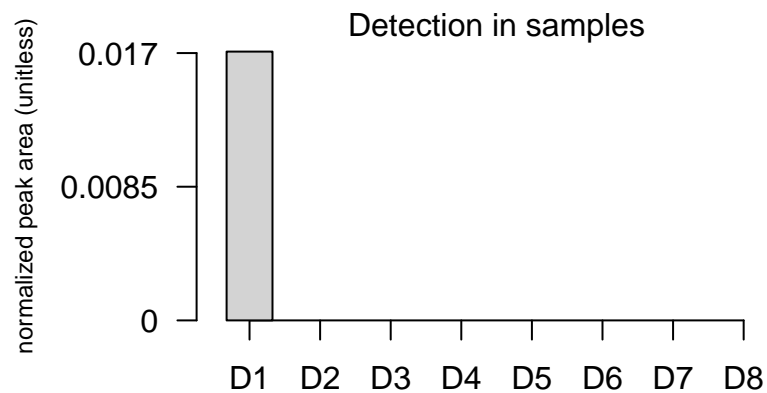
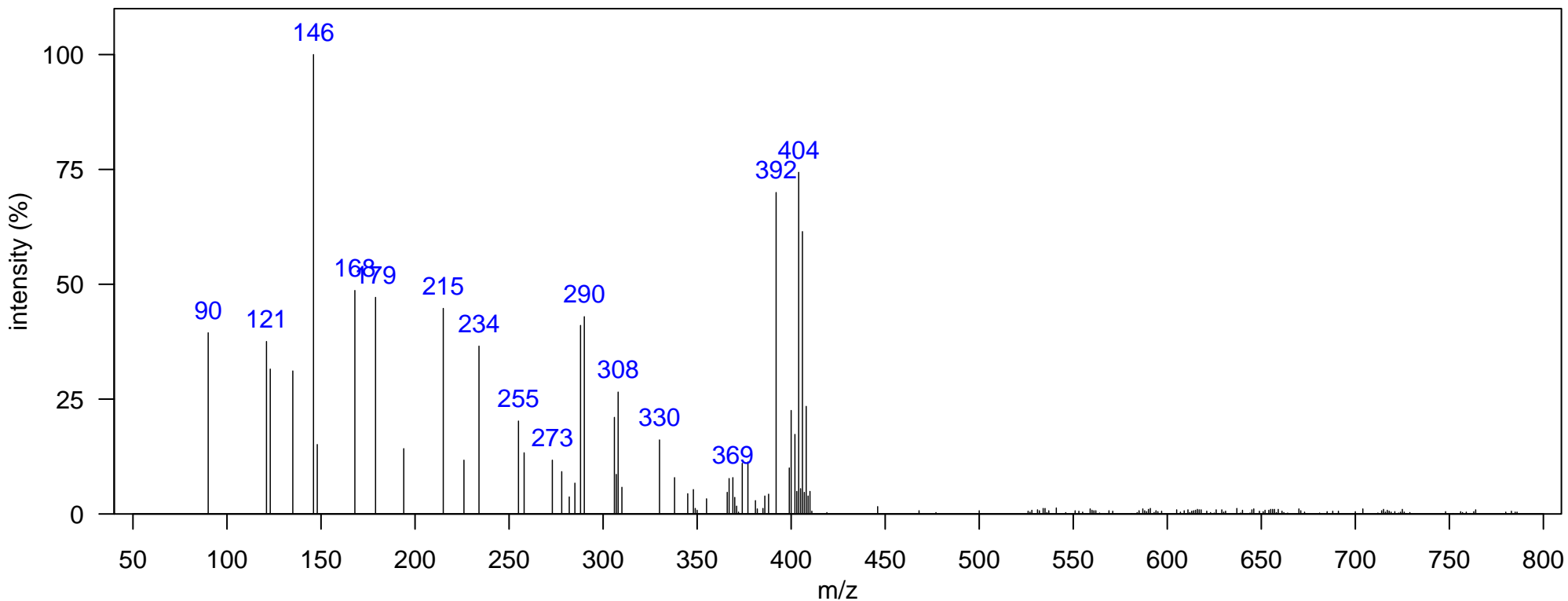
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-24

Class: Unknown

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1484.99, 1.465

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 407

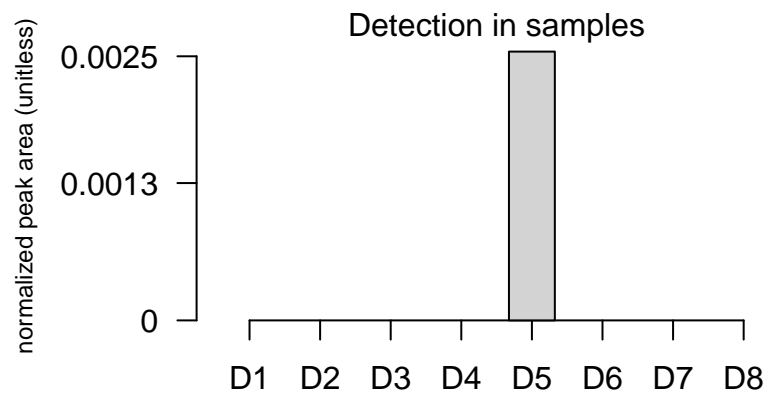
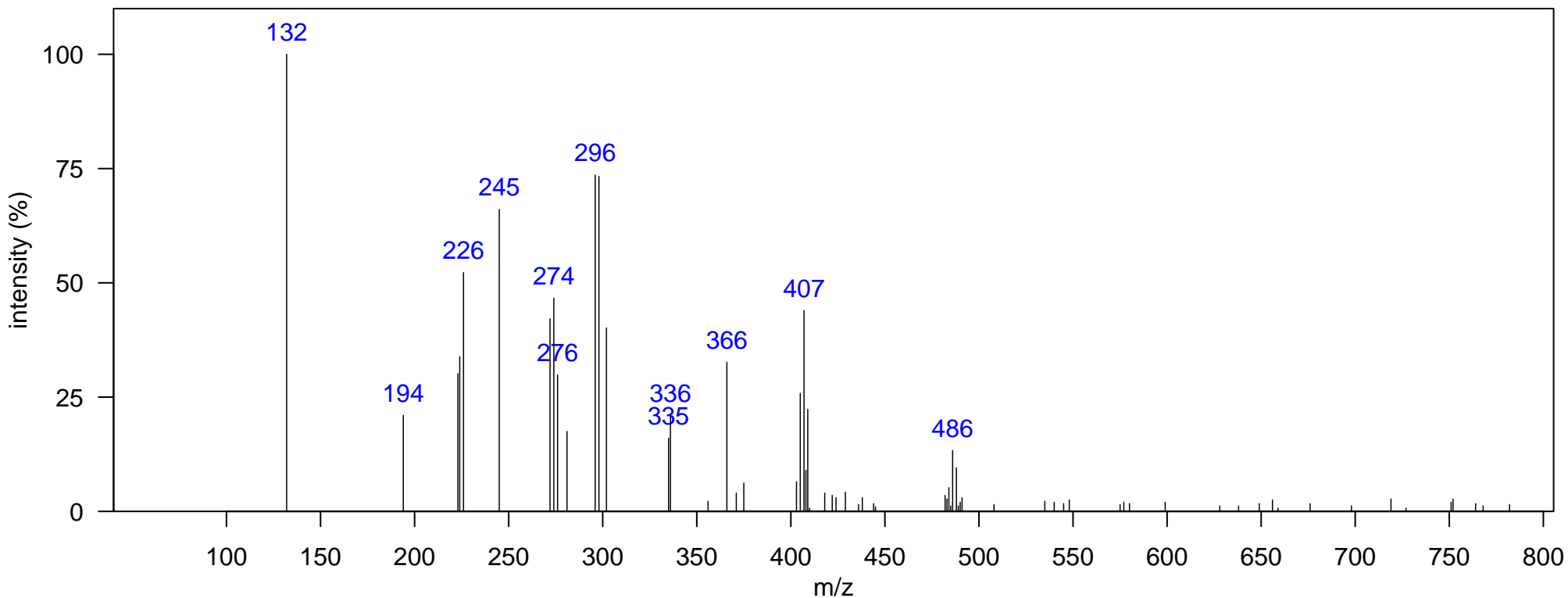
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-25

Class: Unknown

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1495.49, 1.439

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 520

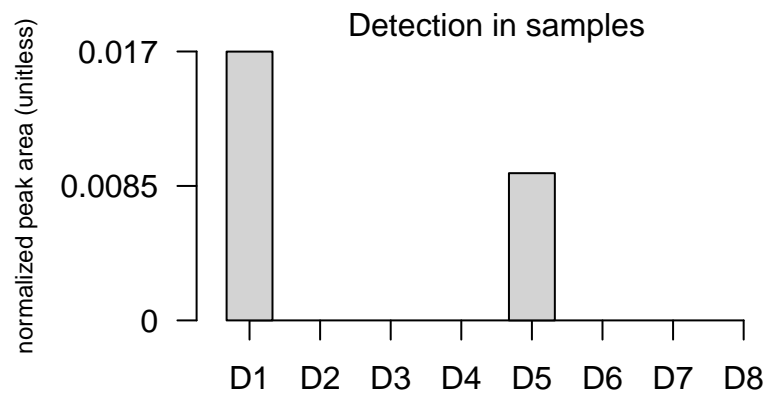
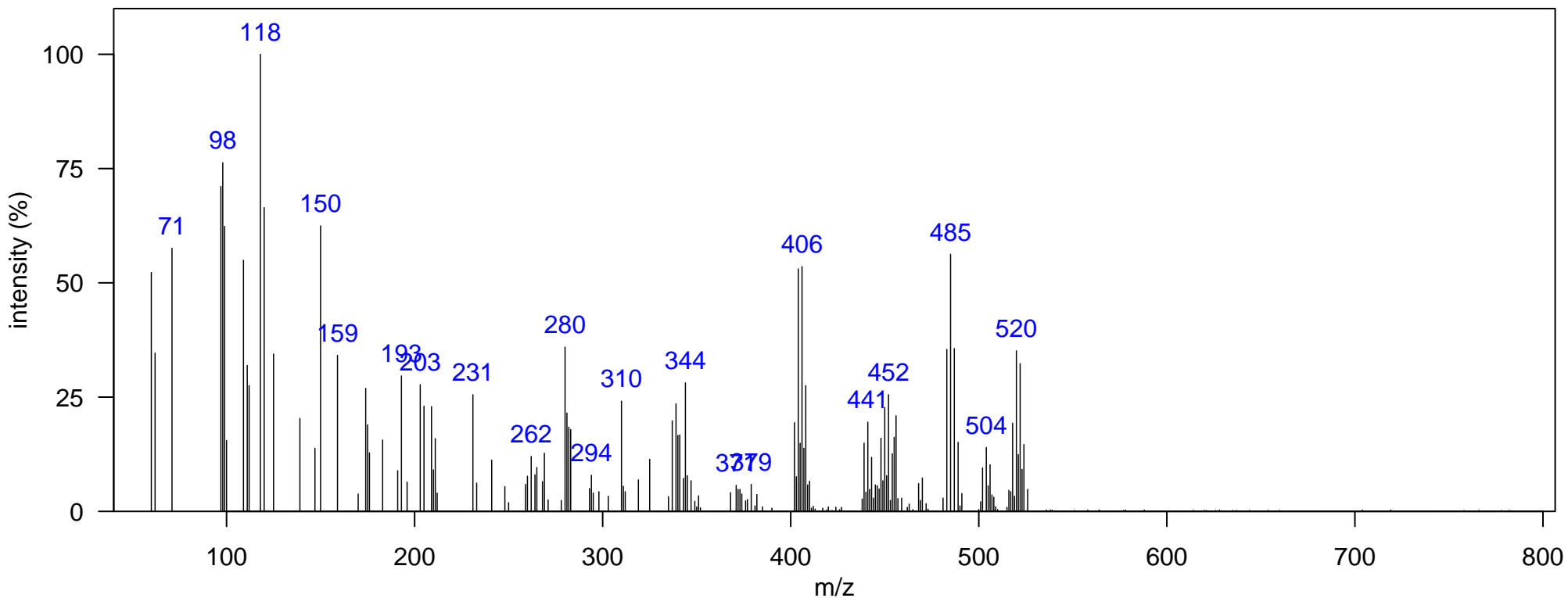
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-26

Class: Unknown

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1523.47, 1.492

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 312

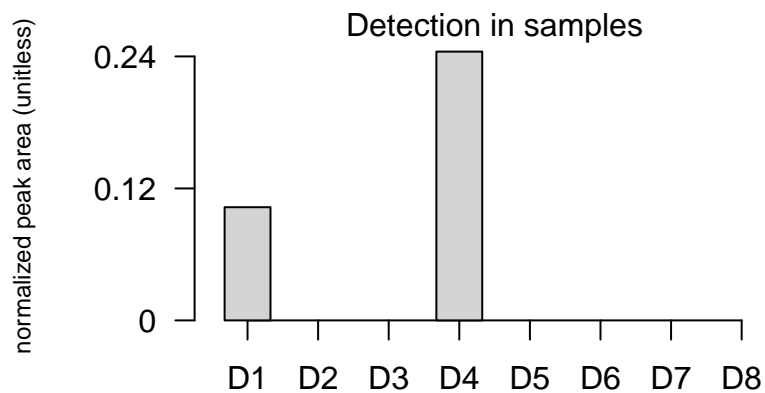
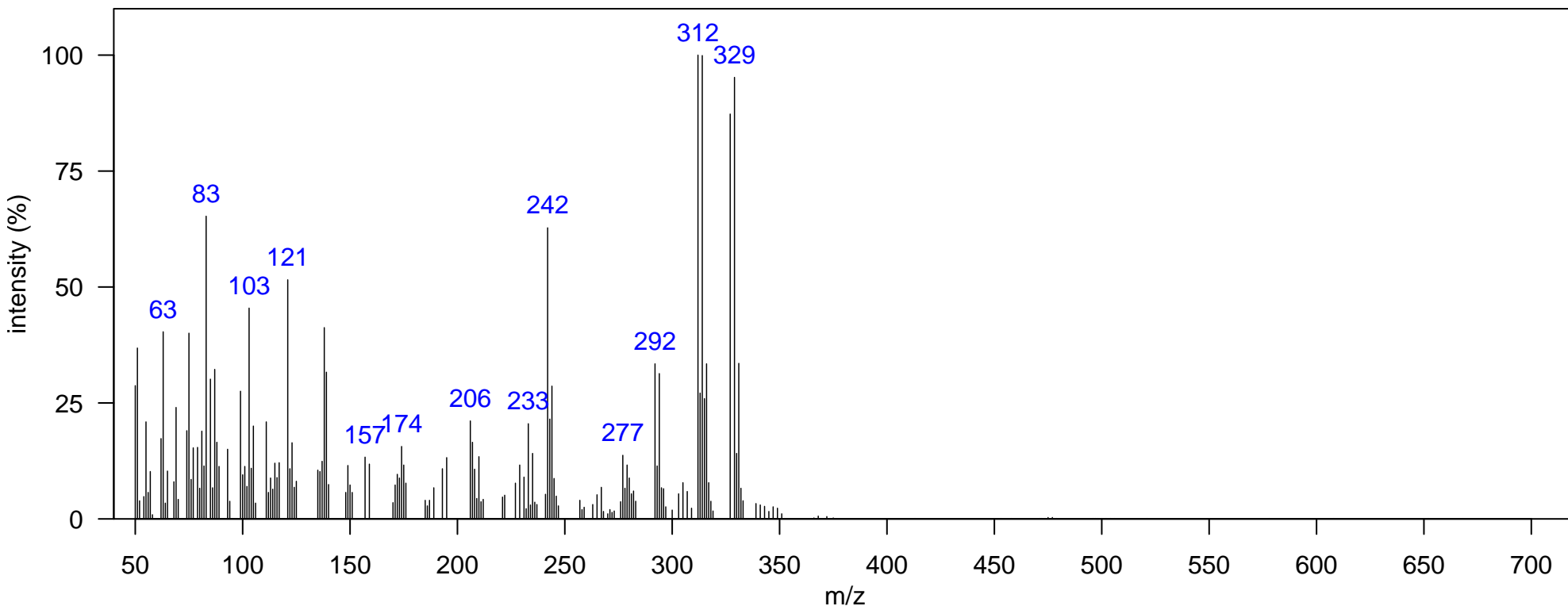
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-27

Class: Unknown

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1530.47, 1.657

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 503

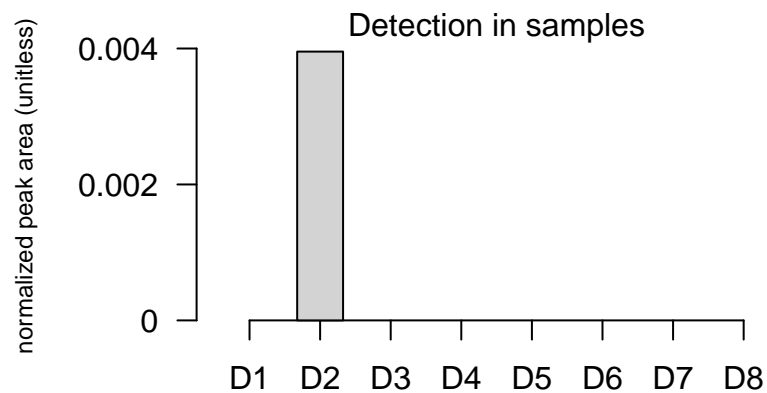
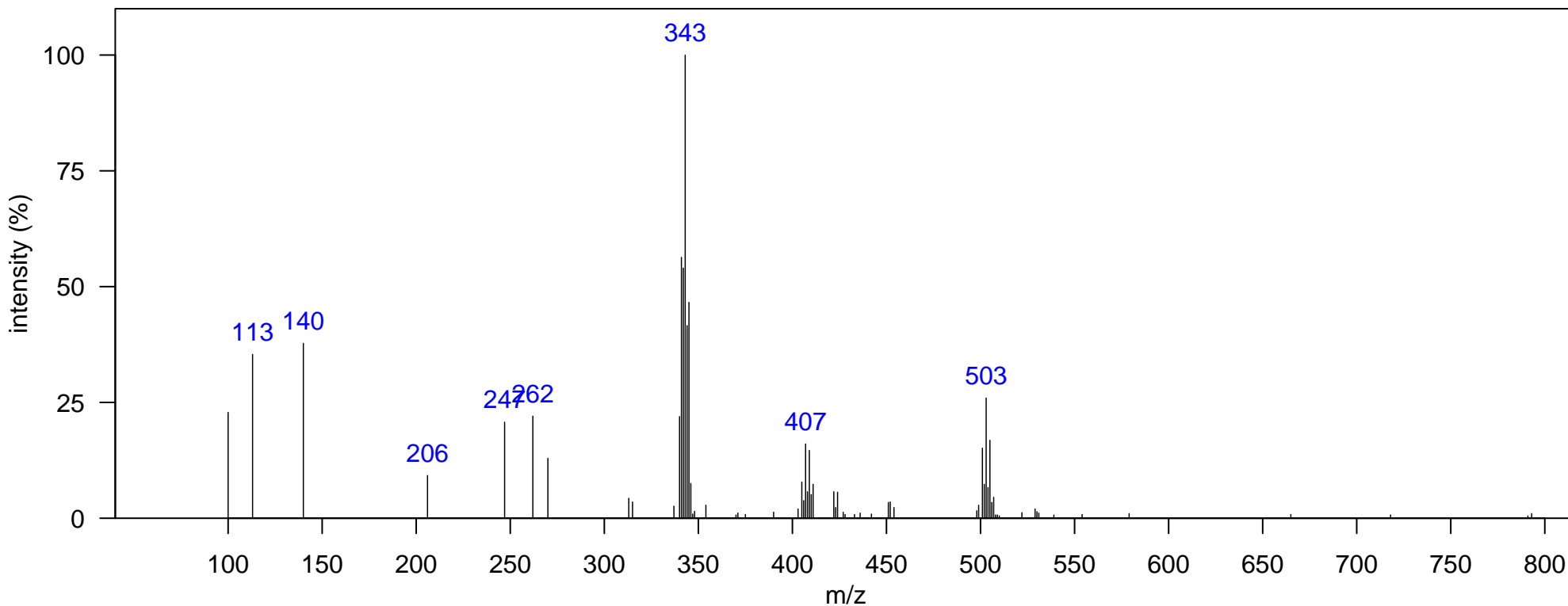
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-28

Class: Unknown

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1533.97, 1.168

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 273

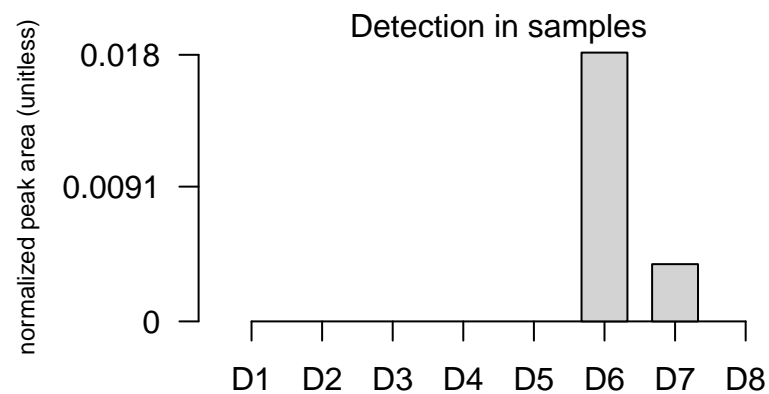
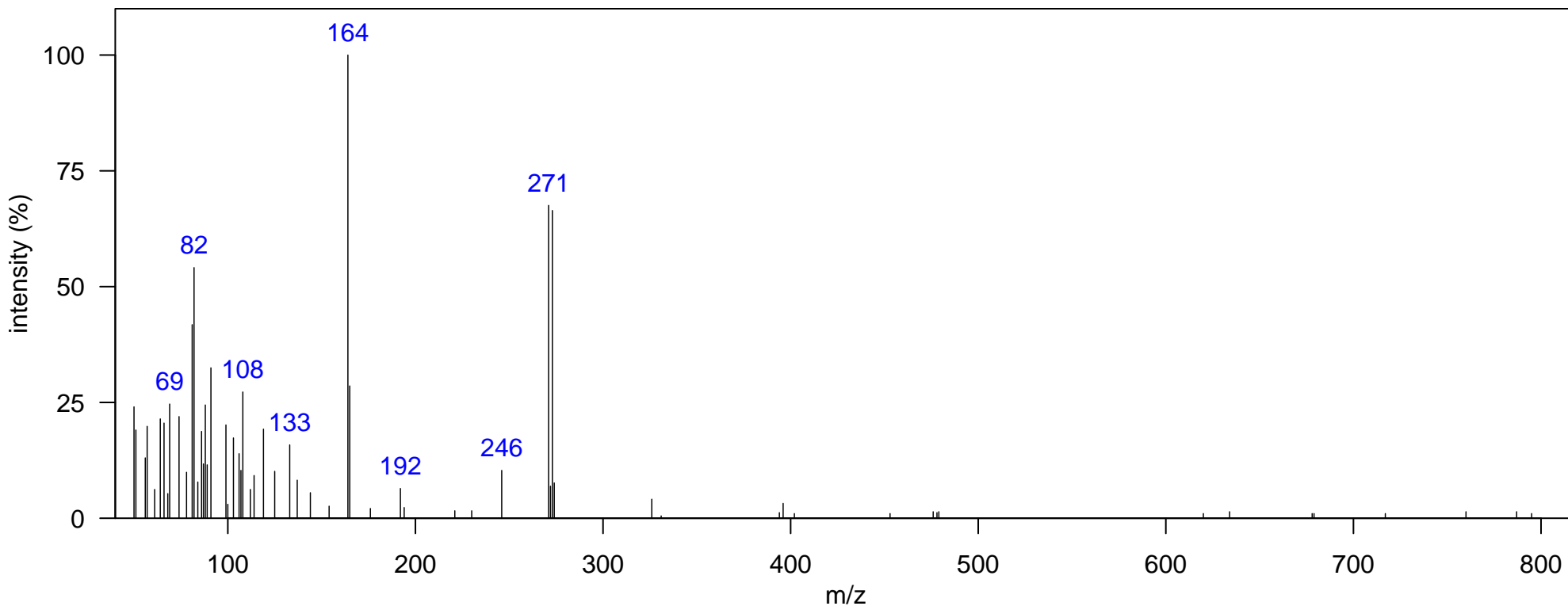
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-29

Class: Unknown

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1533.97, 1.683

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 336

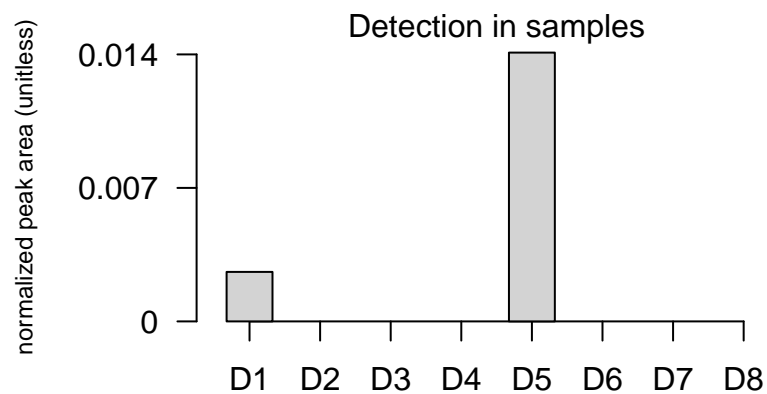
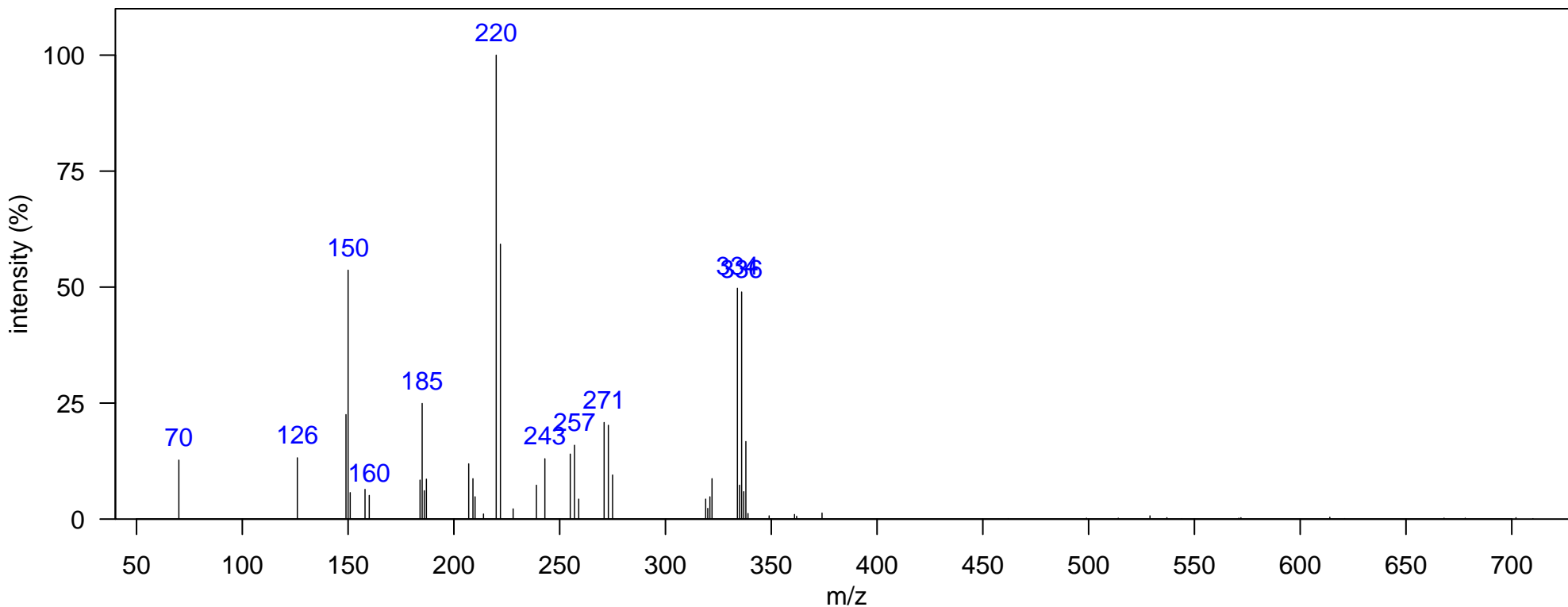
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-30

Class: Unknown

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1540.96, 1.591

Elemental Formula: C₁₁H₅Cl₇N₄

Ecotype: offshore

Quantitative Ion m/z: 437

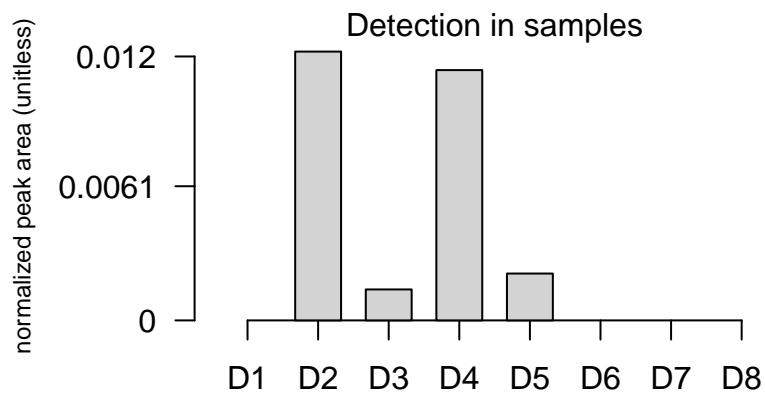
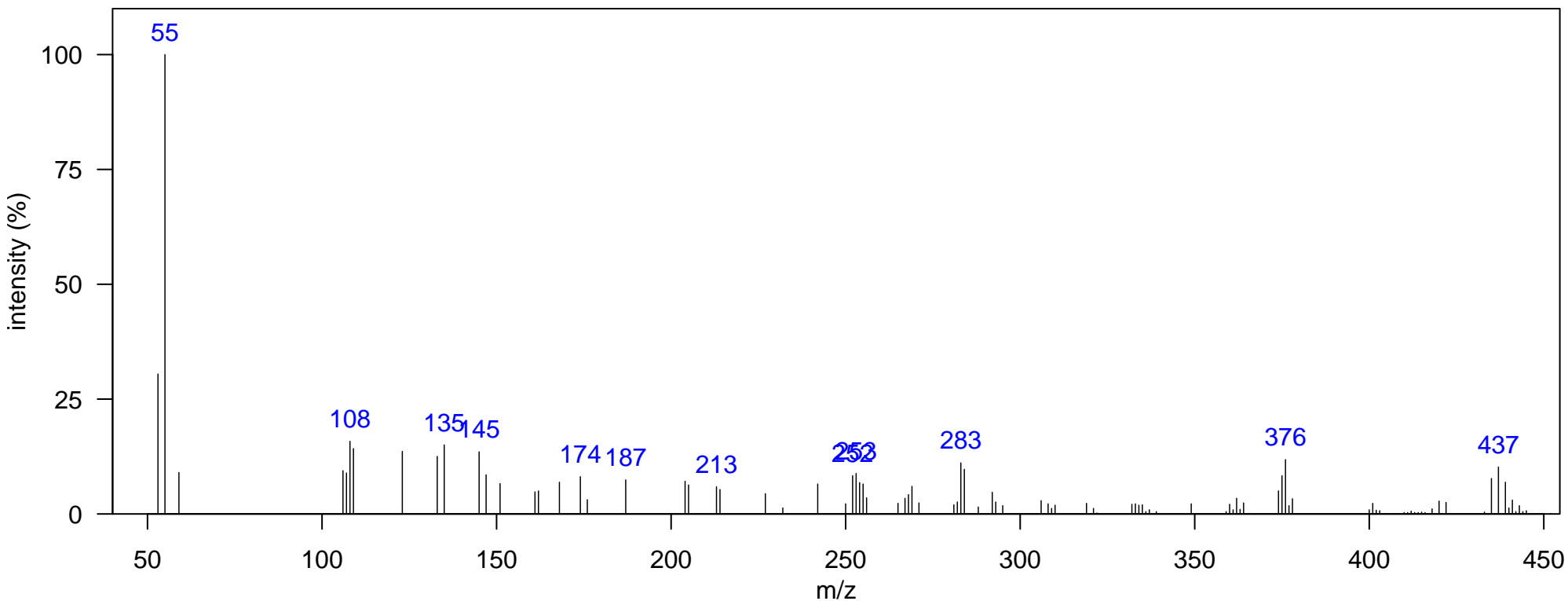
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: NIST ID: 1,3,5-triazine, 2-[(3,4-dichlorophenyl)thio]-4,6-bis(trichloromethyl)-



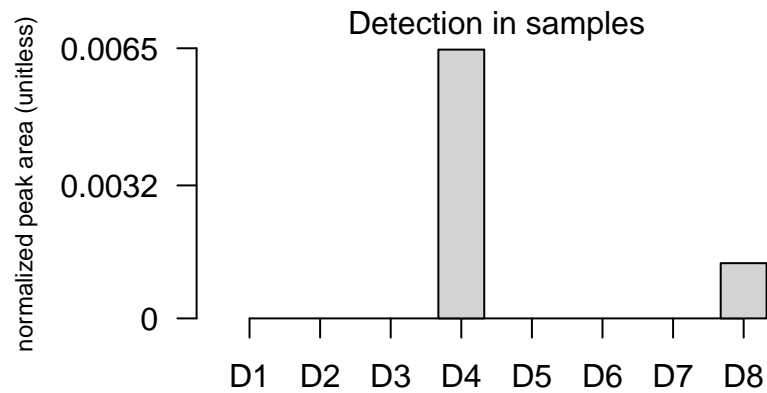
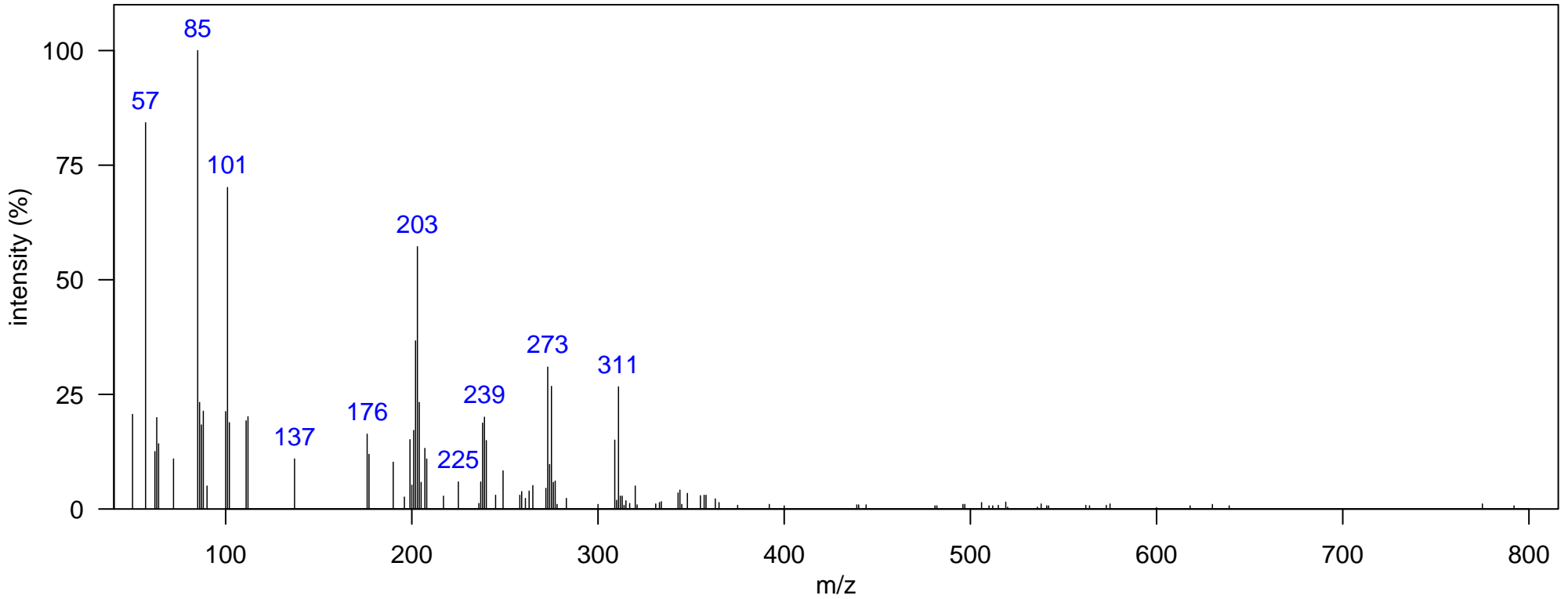
m/z [Fragment]

Name: unknown-31

Class: Unknown

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1544.46, 1.195
Ecotype: offshore Quantitative Ion m/z: 273
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula:
Source: unknown
Identification:



m/z [Fragment]

Name: unknown-32

Class: Unknown

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1544.46, 1.604

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 368

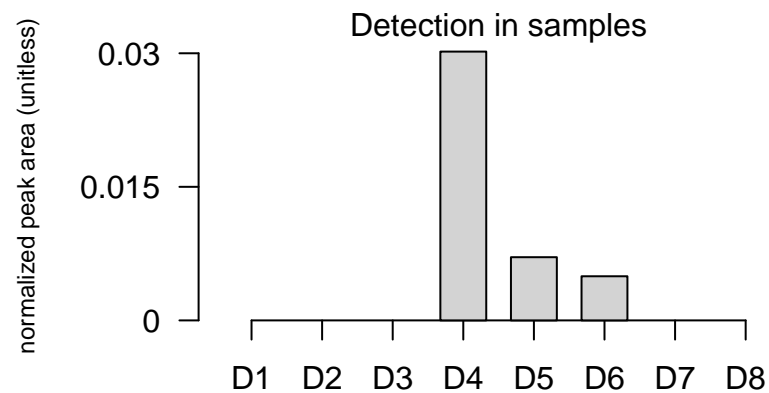
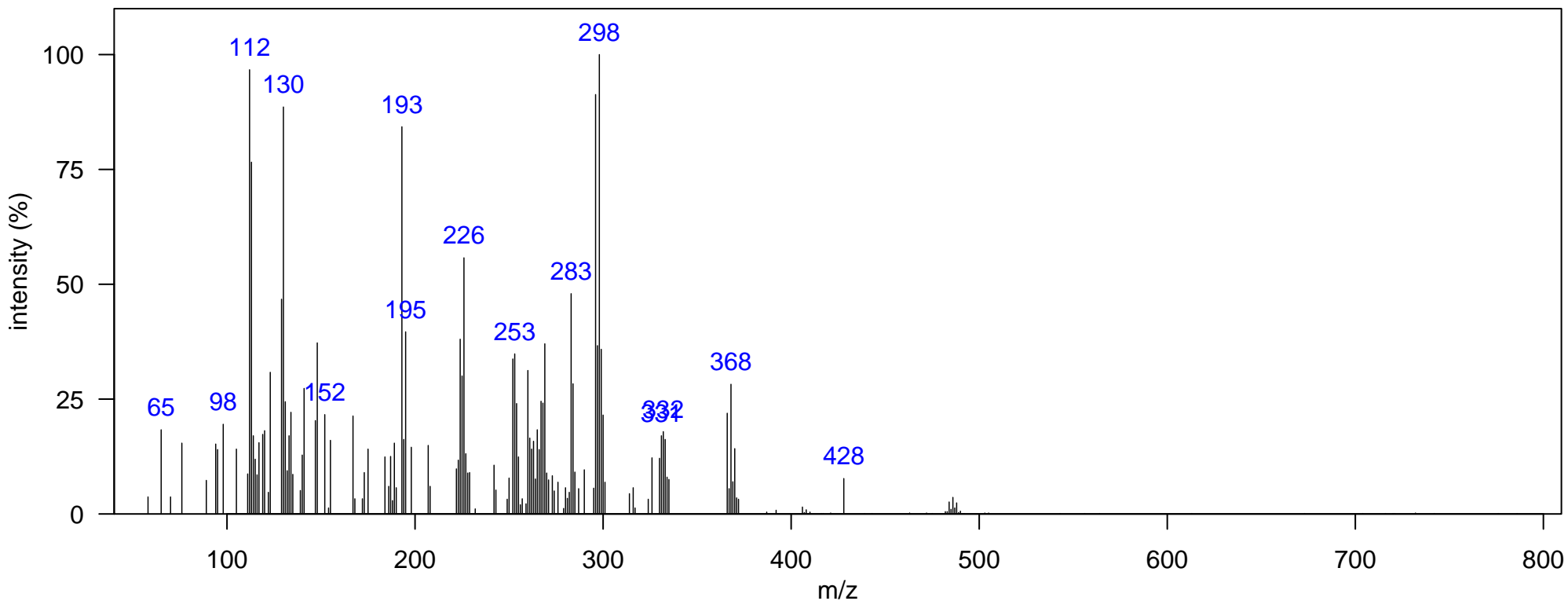
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-33

Class: Unknown

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1551.46, 1.657

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 472

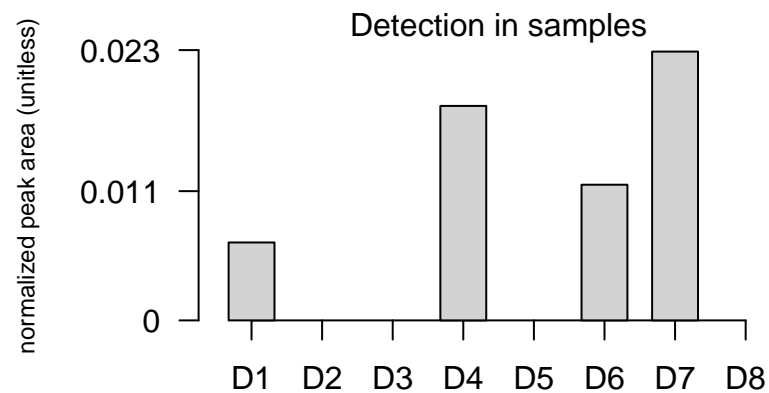
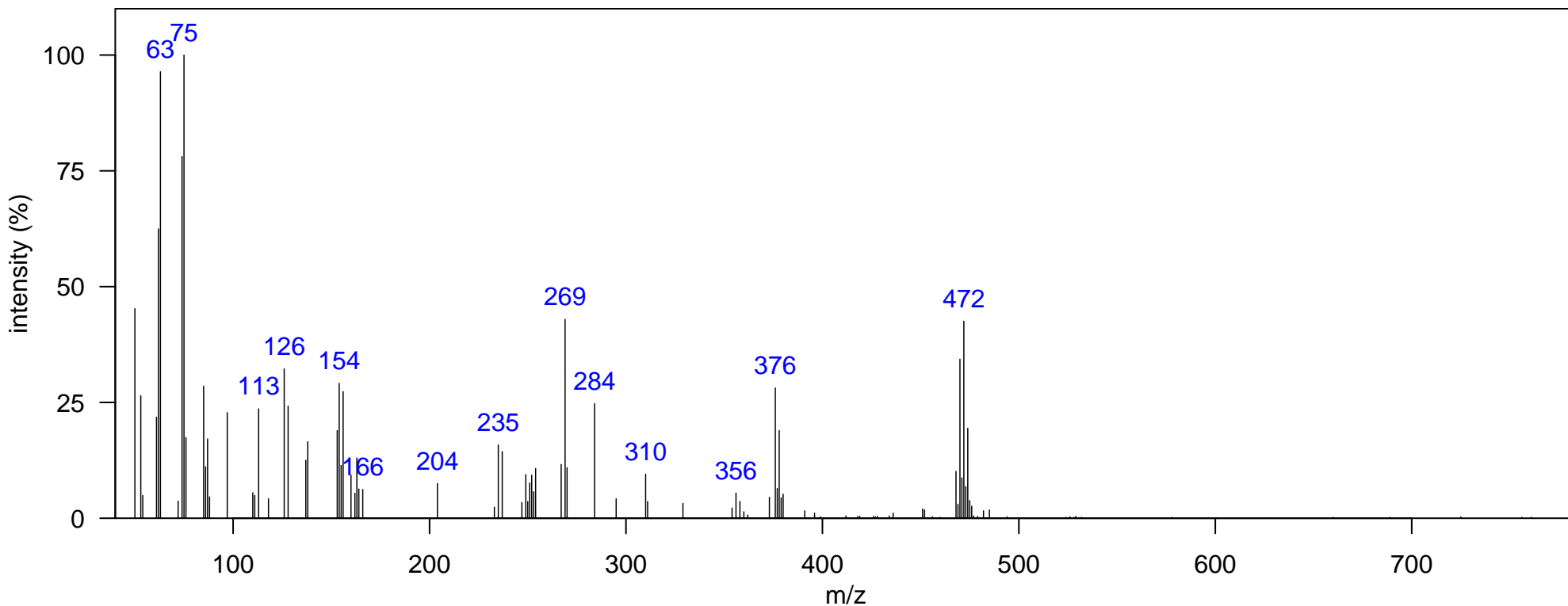
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-34

Class: Unknown

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1551.46, 1.591

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 439

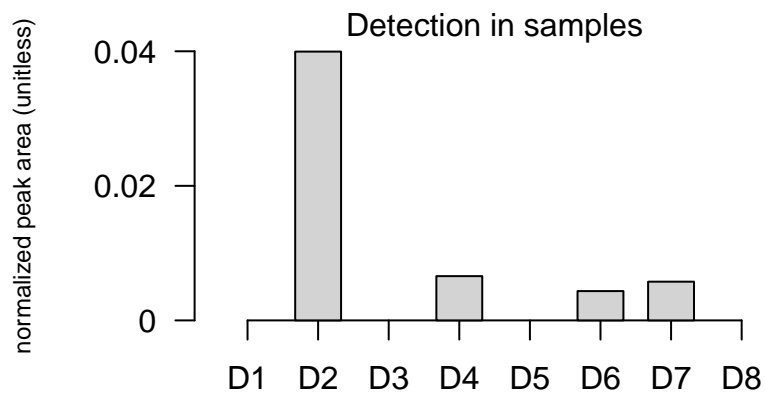
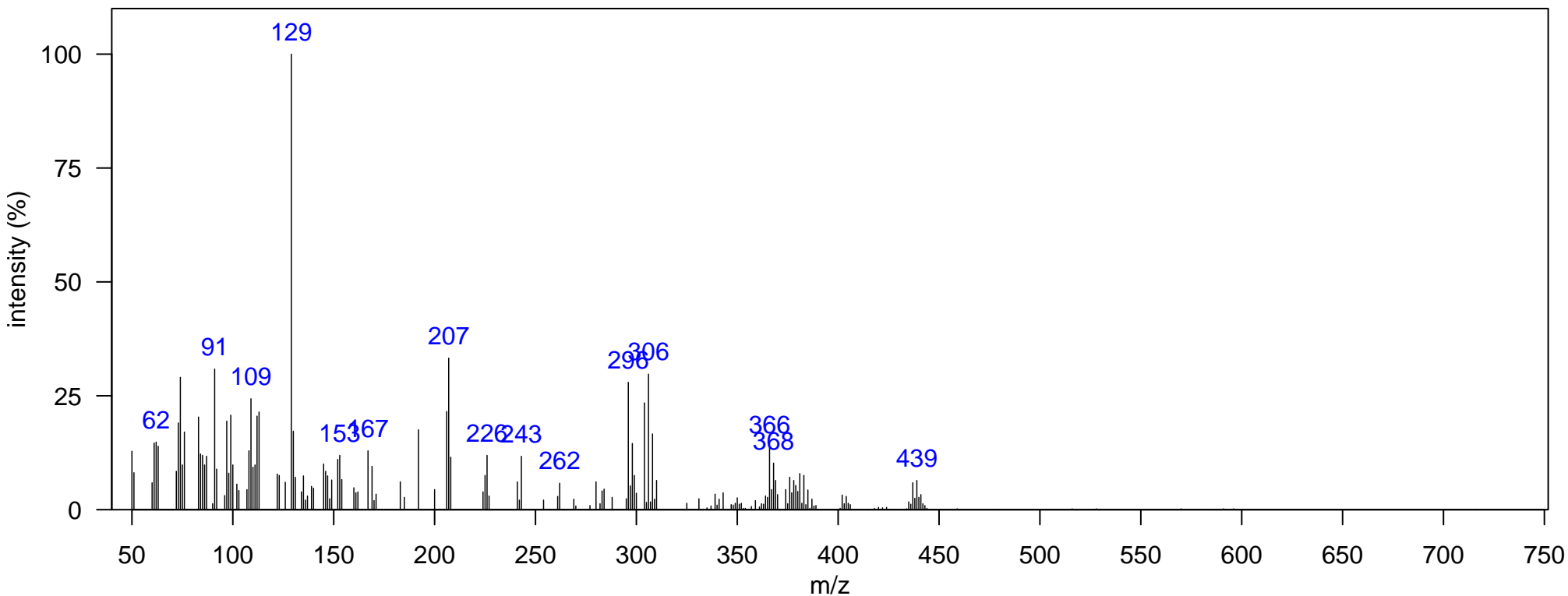
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-35

Class: Unknown

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1568.95, 1.485

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 413

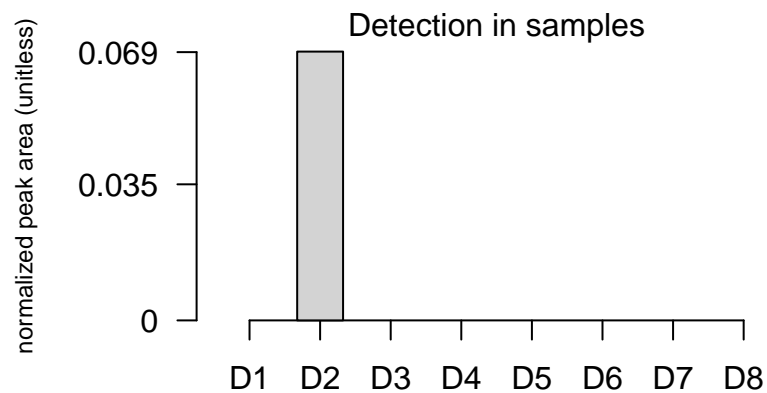
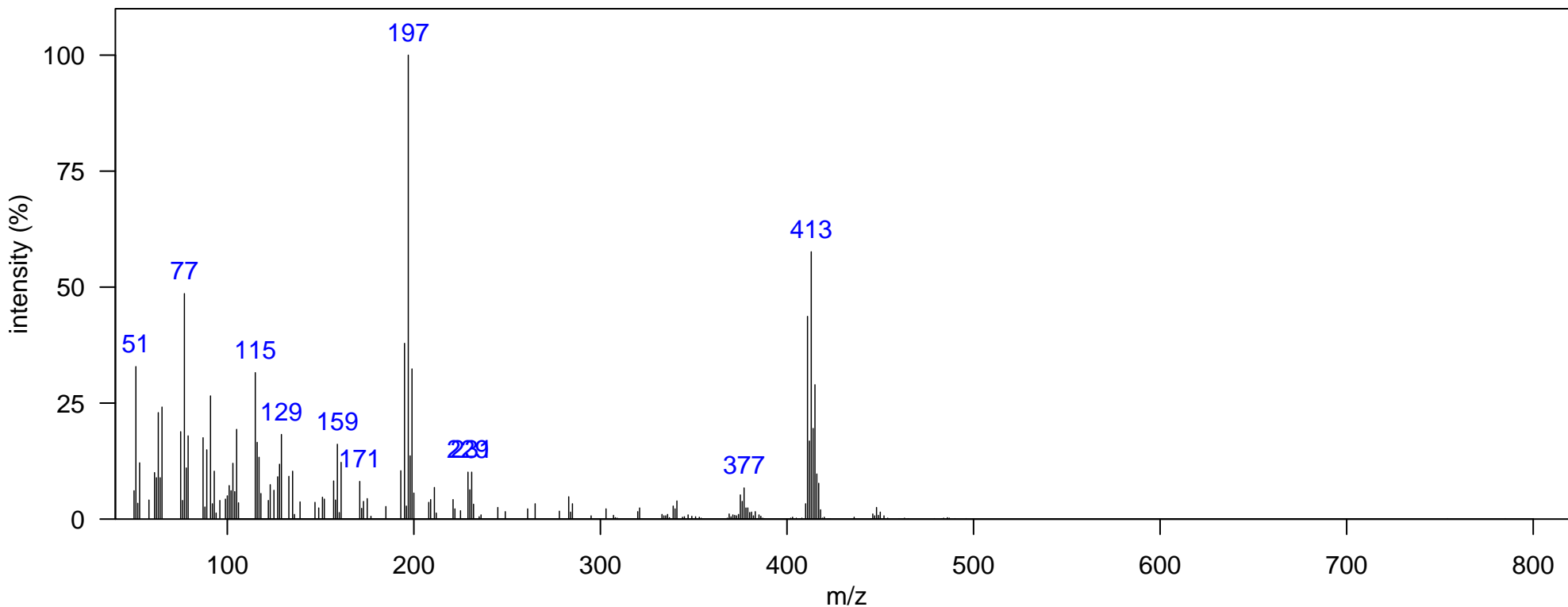
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1572.44, 1.808

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 336

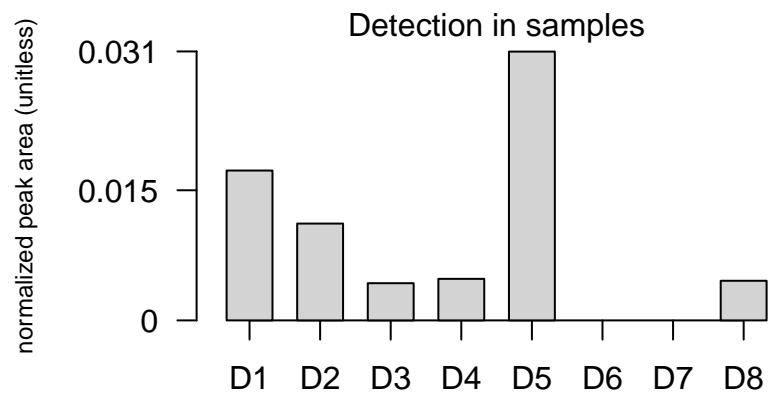
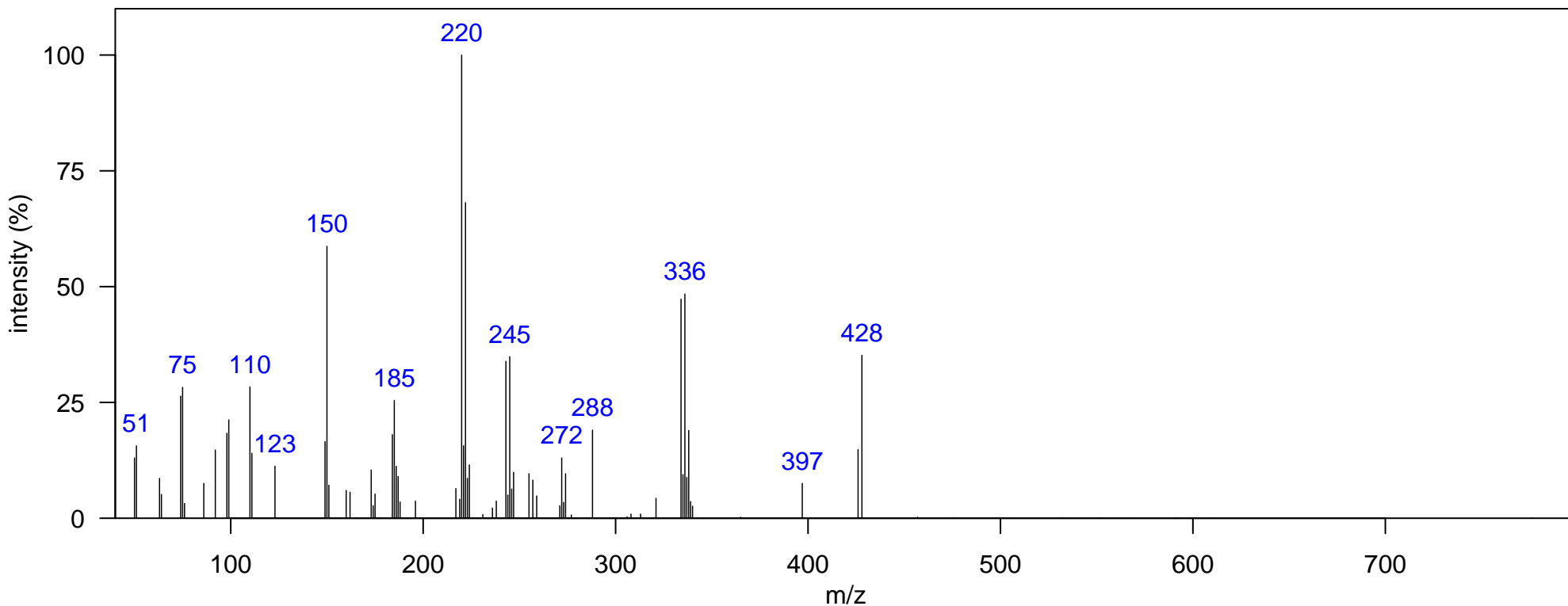
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



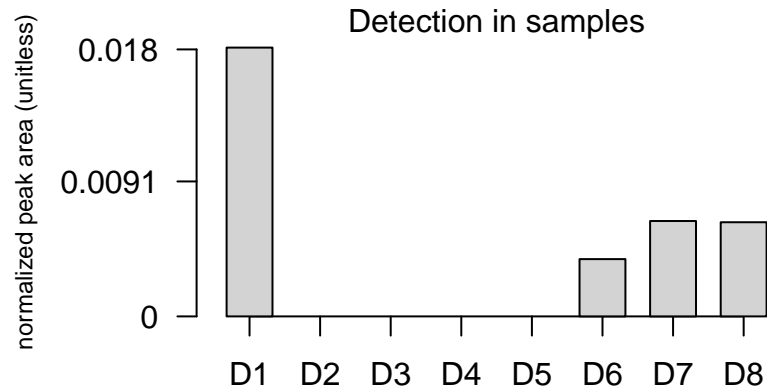
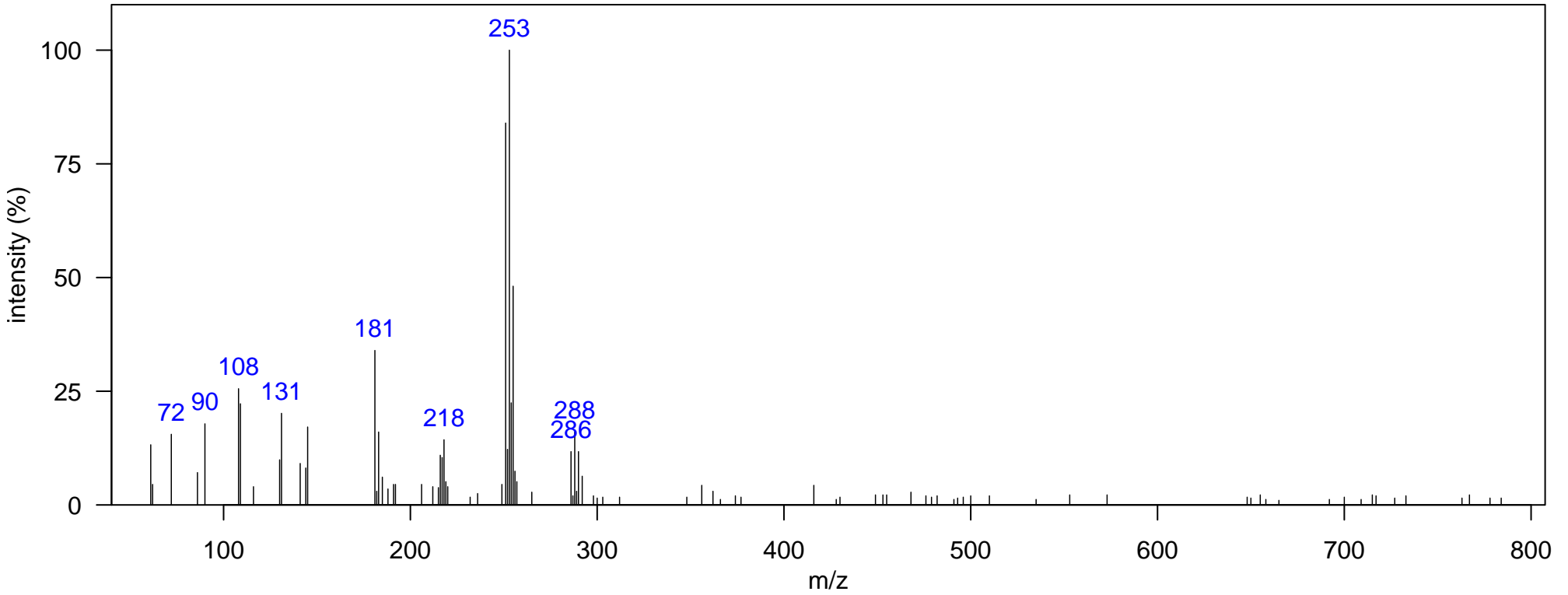
m/z [Fragment]

Name: unknown-37

Class: Unknown

Sample: SoCal dolphin blubber D7, DSJ1765 1D RT, 2D RT (s): 1572.44, 0.937
Ecotype: offshore Quantitative Ion m/z: 251
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula:
Source: unknown
Identification:



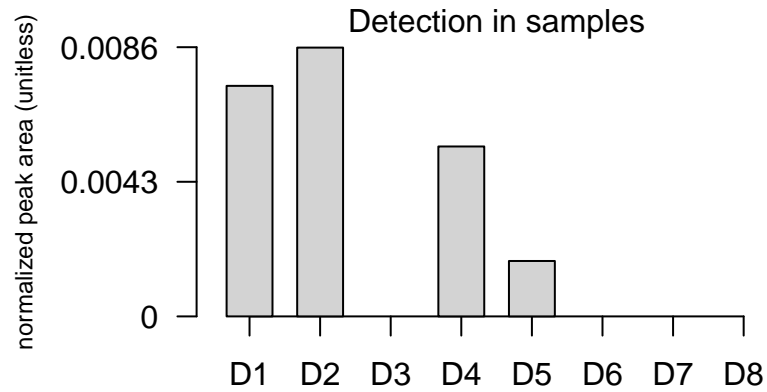
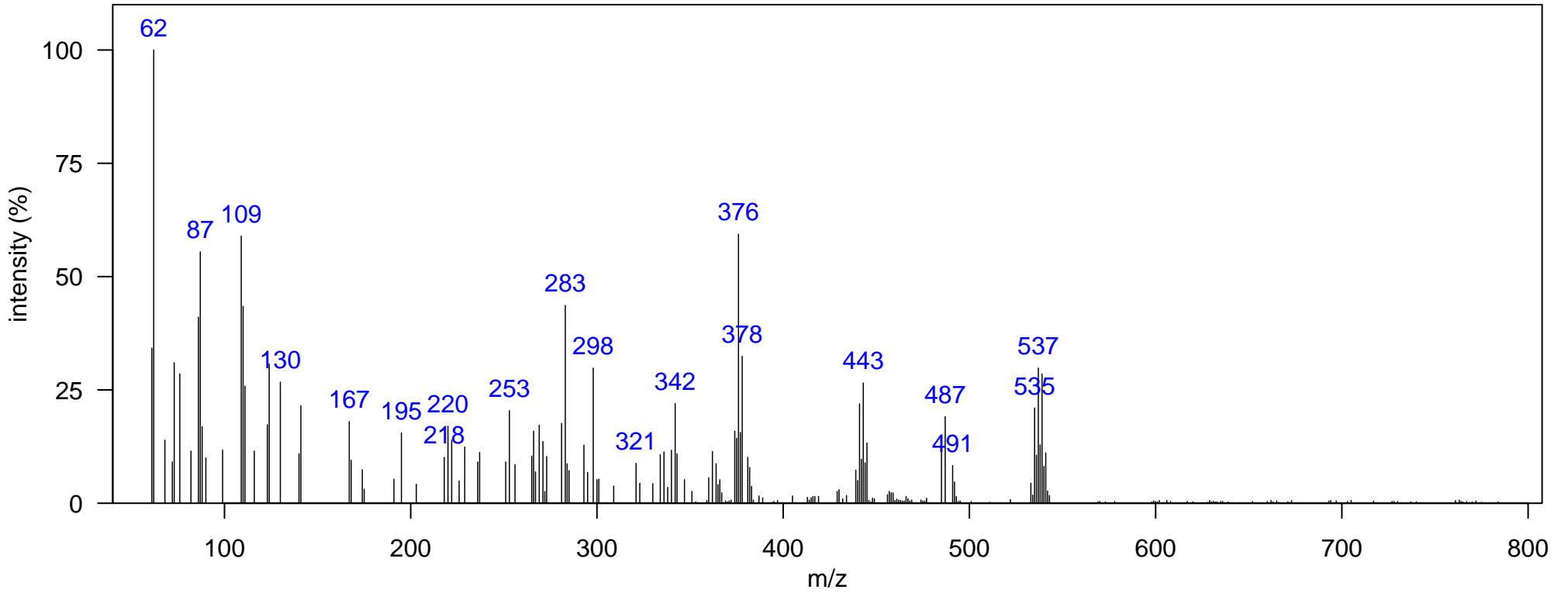
m/z [Fragment]

Name: unknown-38

Class: Unknown

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1582.94, 1.775
Ecotype: offshore Quantitative Ion m/z: 537
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula:
Source: unknown
Identification:



m/z [Fragment]

Name: unknown-39

Class: Unknown

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1586.44, 1.901

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 336

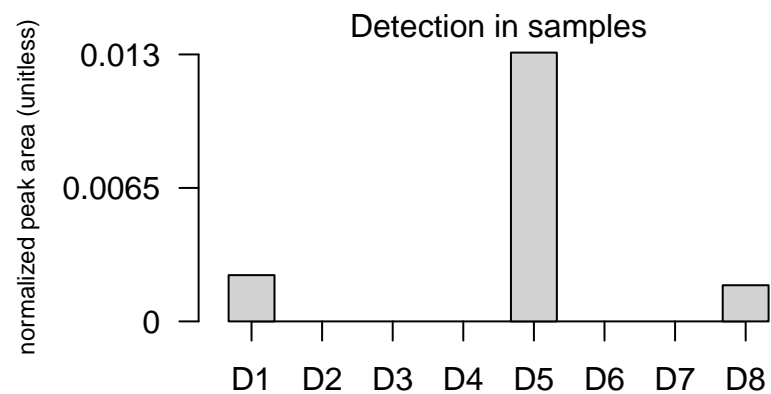
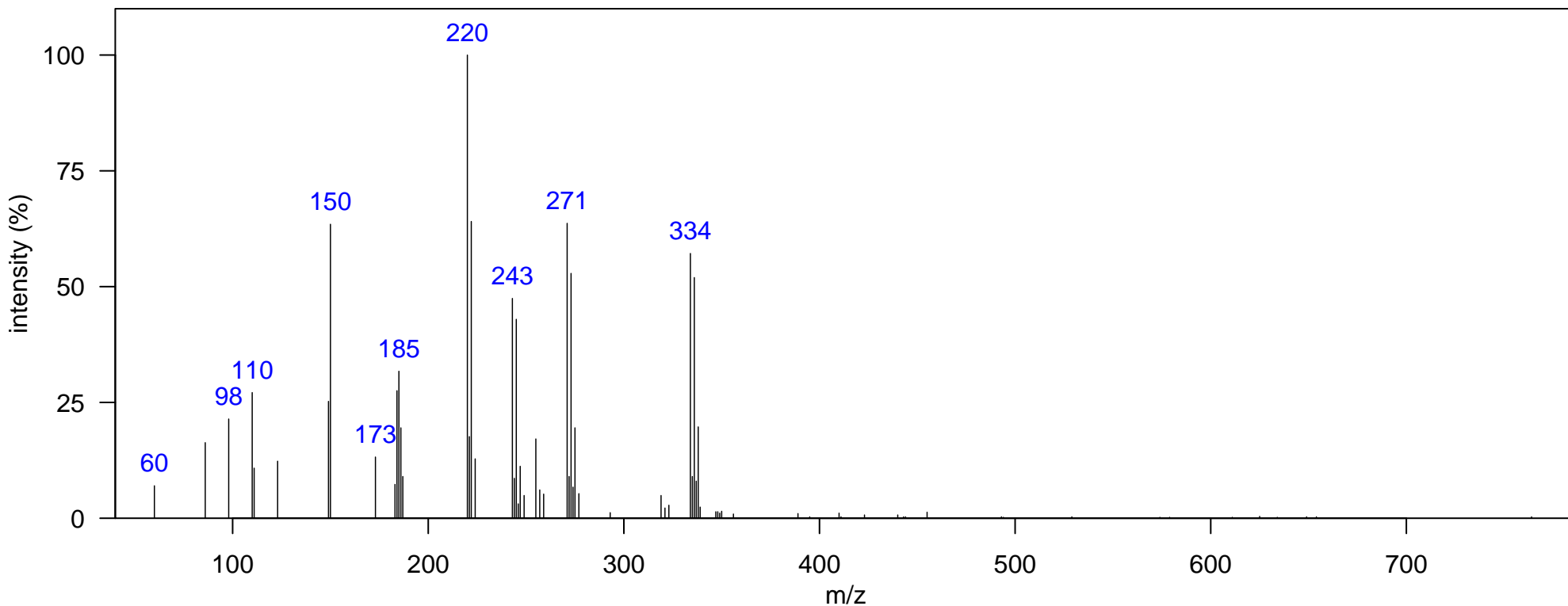
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-40

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1603.93, 1.703

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 420

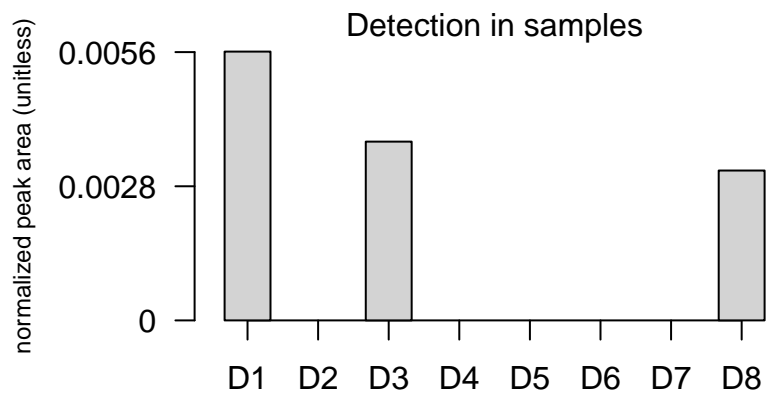
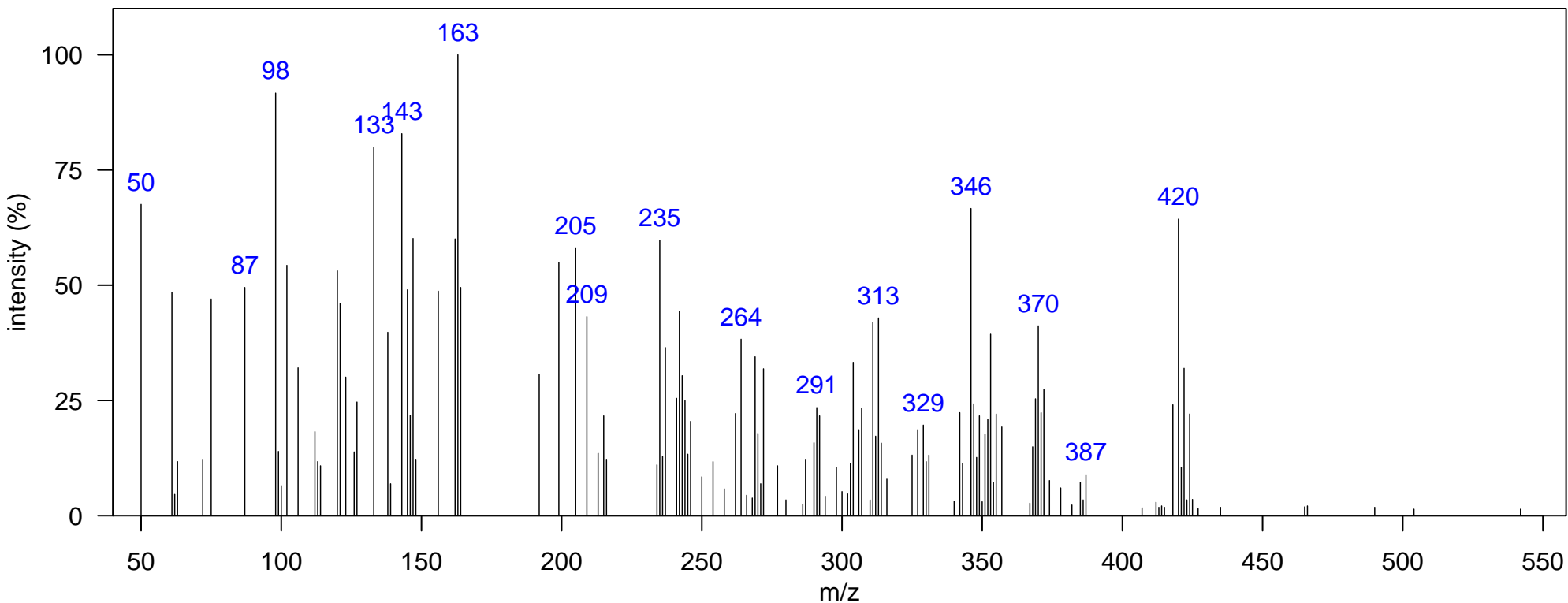
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-41

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1614.42, 1.881

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 510

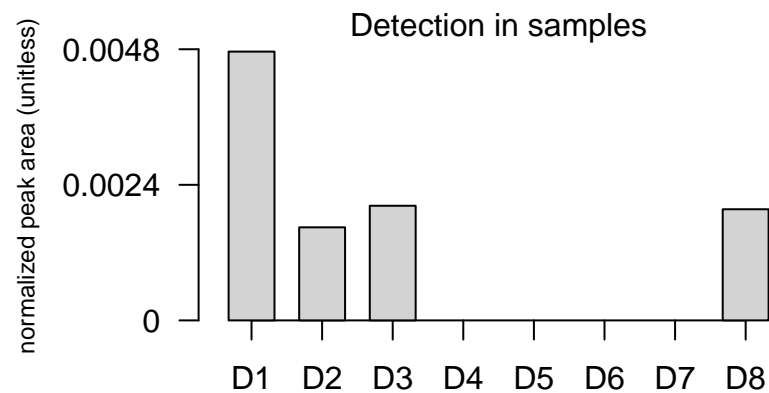
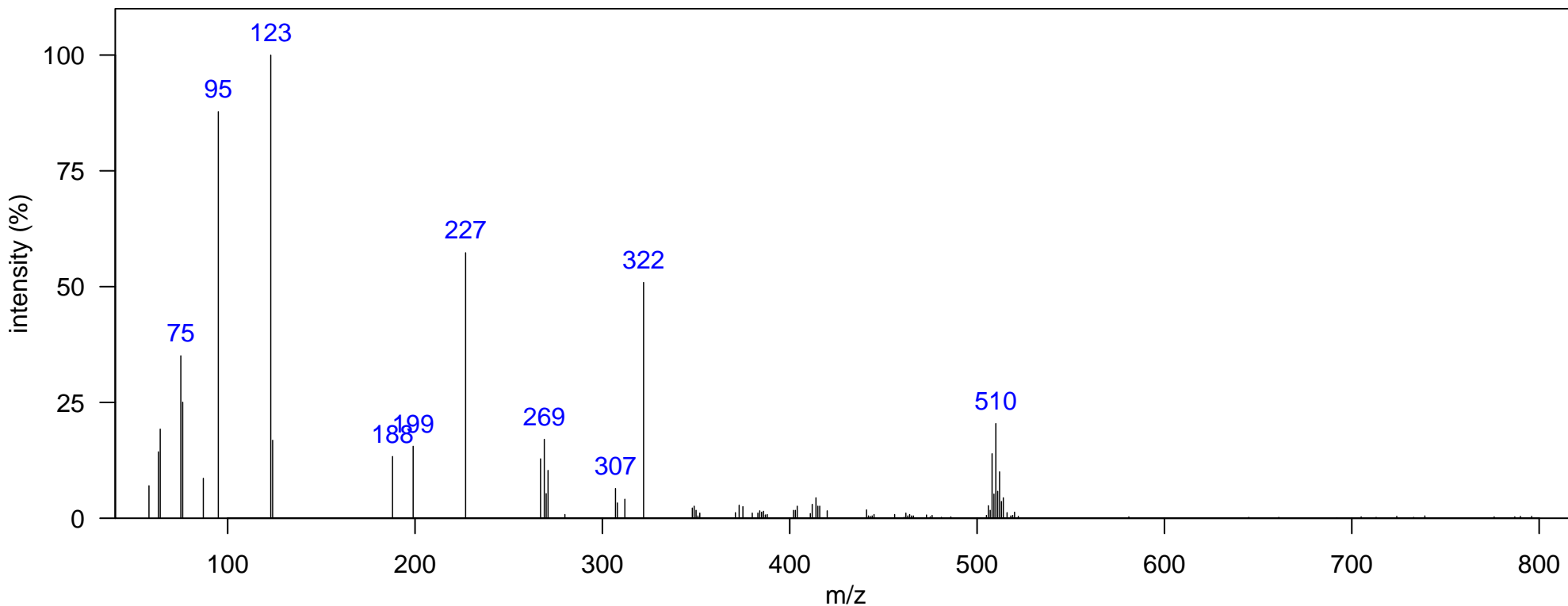
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-42

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1642.4, 1.888

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 378

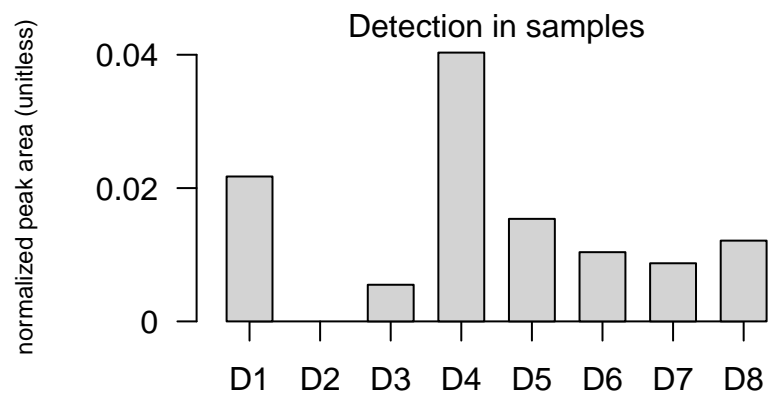
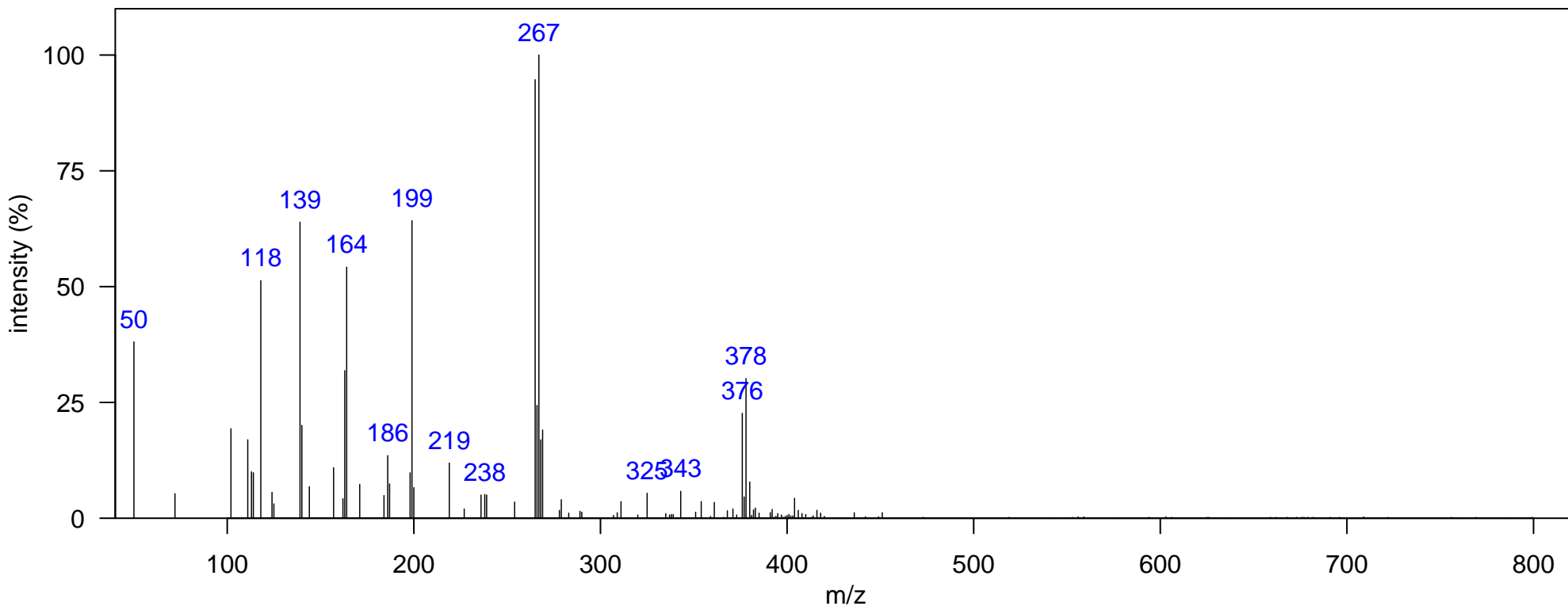
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-43

Class: Unknown

Sample: SoCal dolphin blubber D2, DSJ2195 1D RT, 2D RT (s): 1645.9, 1.98

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 265

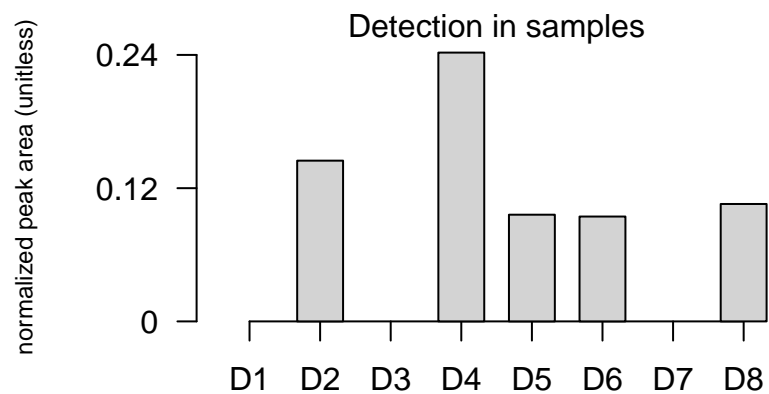
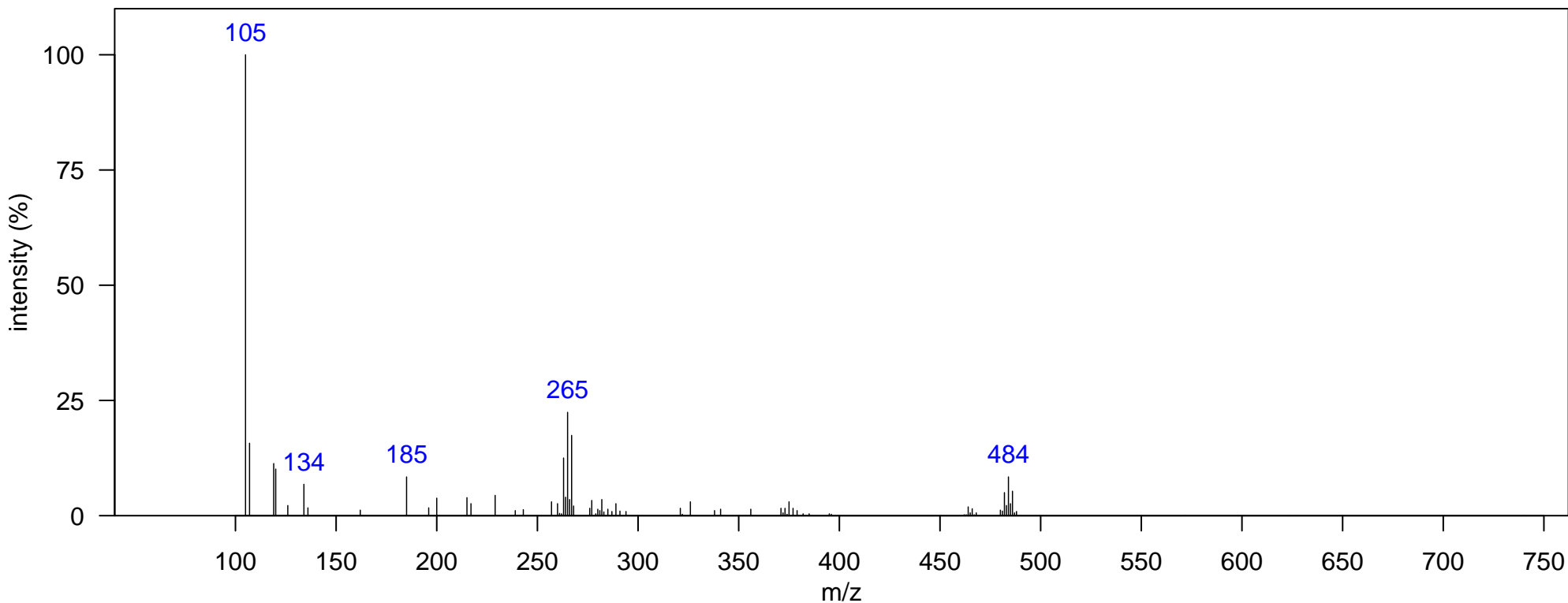
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-44

Class: Unknown

Sample: SoCal dolphin blubber D5, JEH0472 1D RT, 2D RT (s): 1645.9, 2.125

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 361

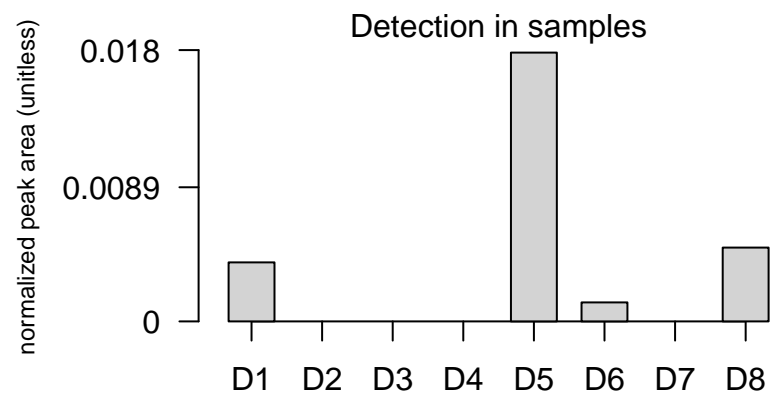
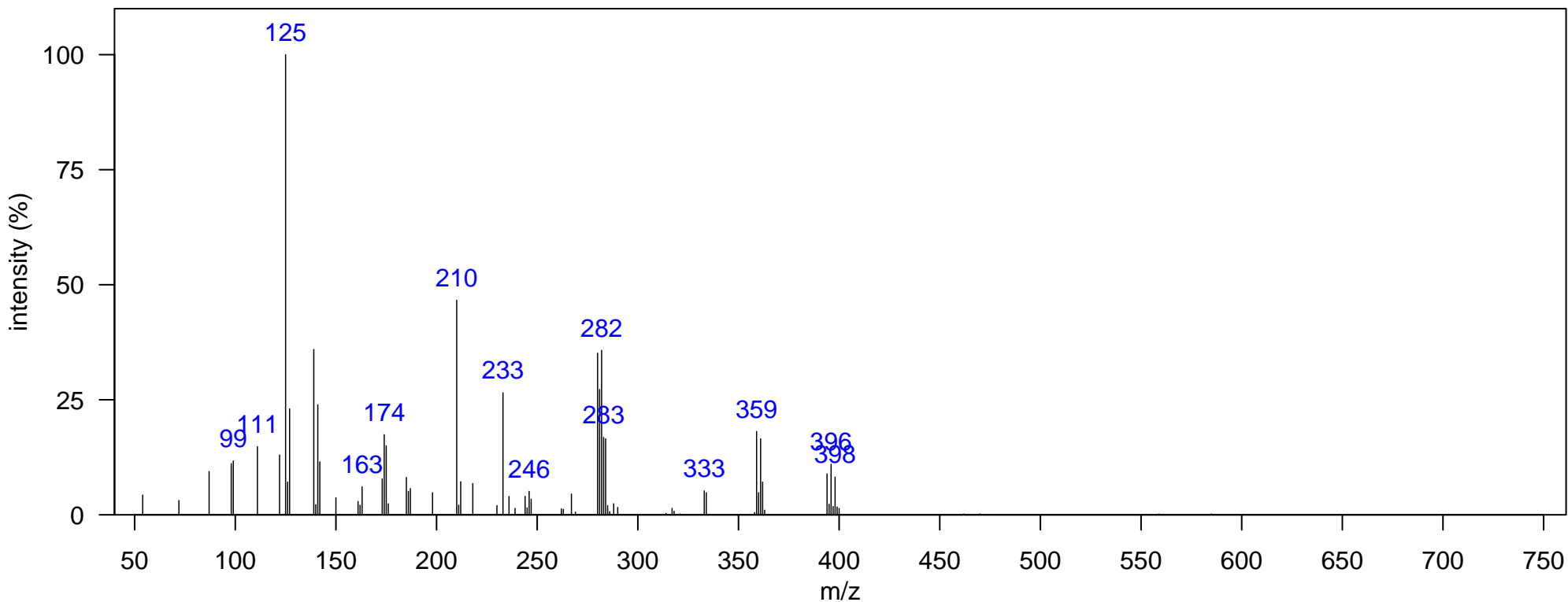
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-45

Class: Unknown

Sample: SoCal dolphin blubber D6, DSJ2155 1D RT, 2D RT (s): 1649.4, 2.132

Elemental Formula: C₁₄H₇Cl₇

Ecotype: offshore

Quantitative Ion m/z: 424

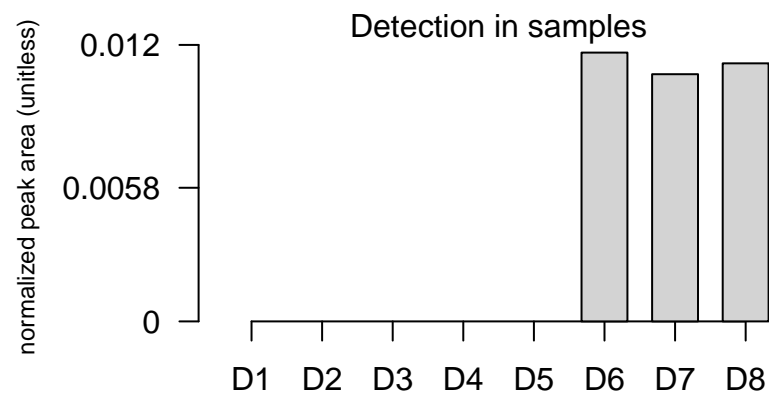
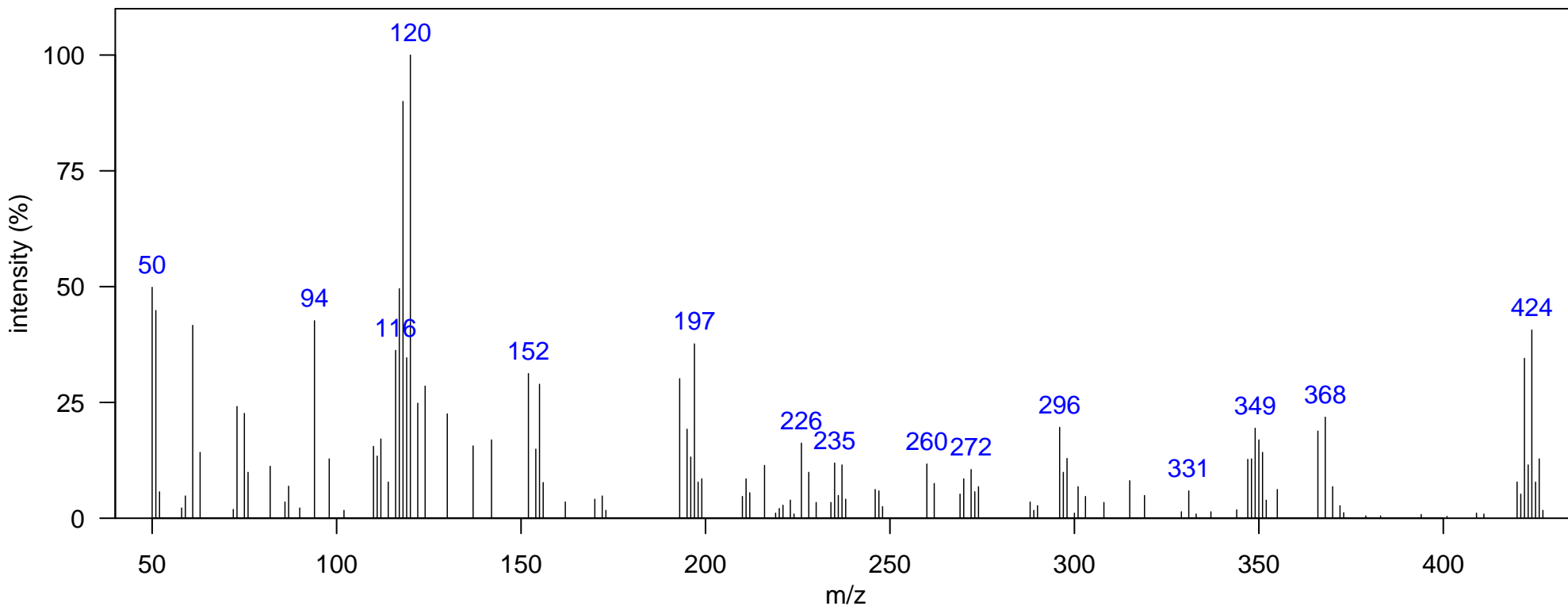
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]
420 M+

Name: unknown-46

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1705.37, 1.914

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 474

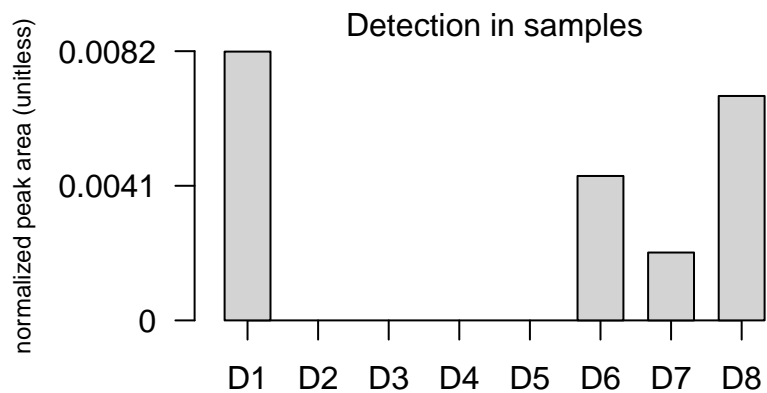
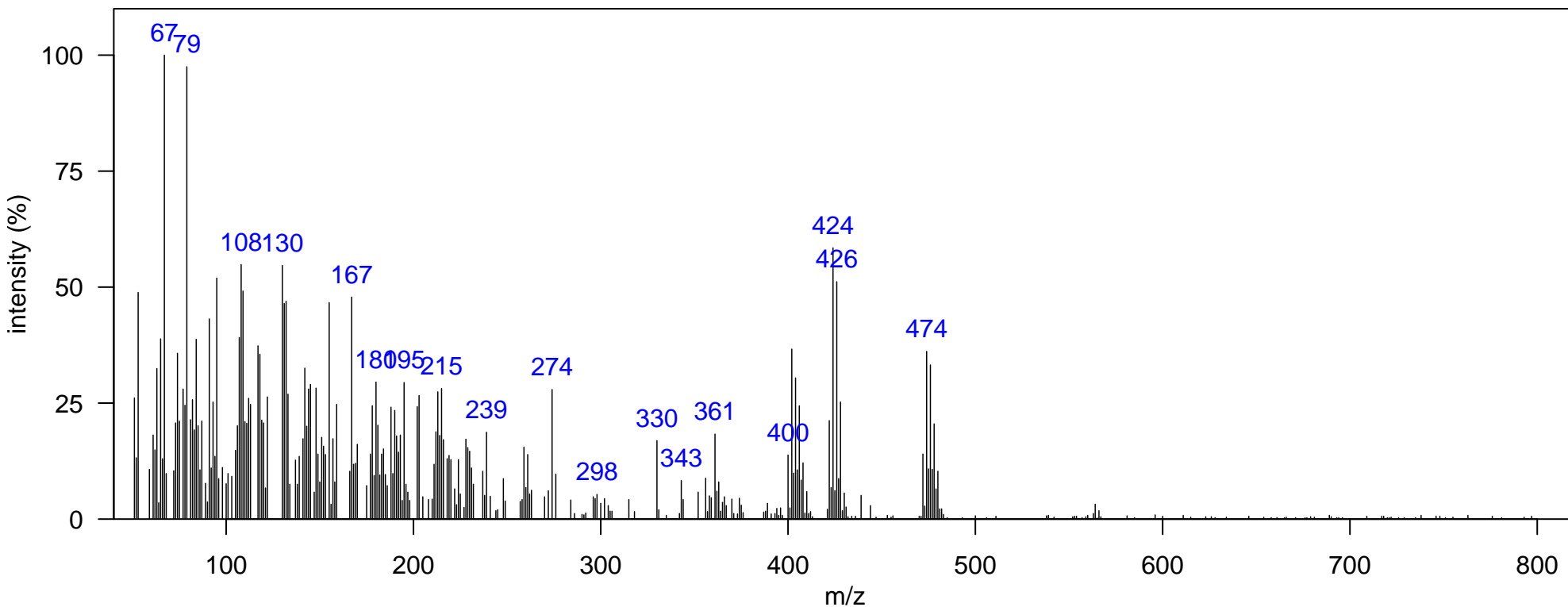
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-47

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1708.87, 2.026

Elemental Formula: C₁₁H₅Cl₇N₄

Ecotype: coastal

Quantitative Ion m/z: 440

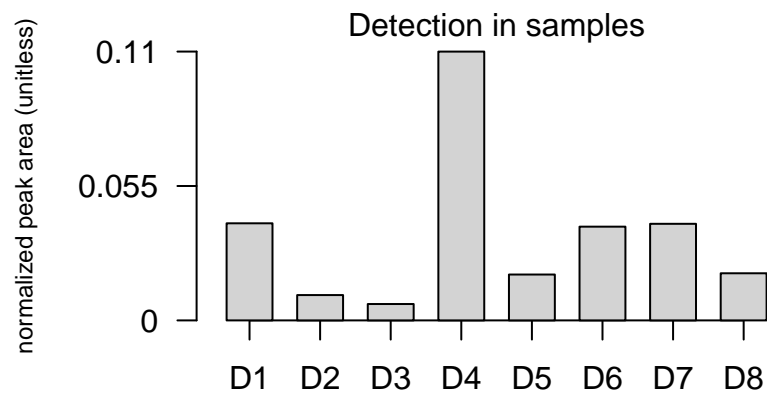
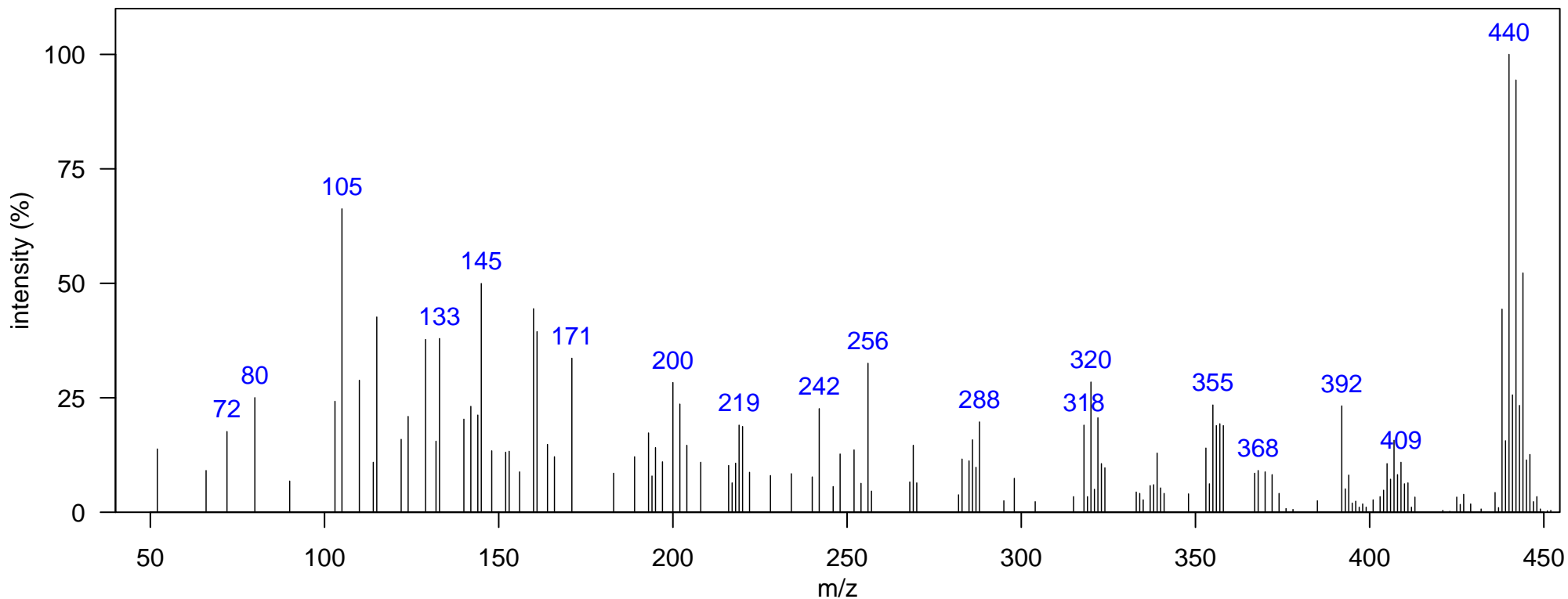
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment: Might be 2-[p-chloroaniline]-4,6-bis(trichloromethyl)-triazine based on some spectral similarity



m/z [Fragment]
438 M+

Name: unknown-48

Class: Unknown

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1719.36, 1.868

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 470

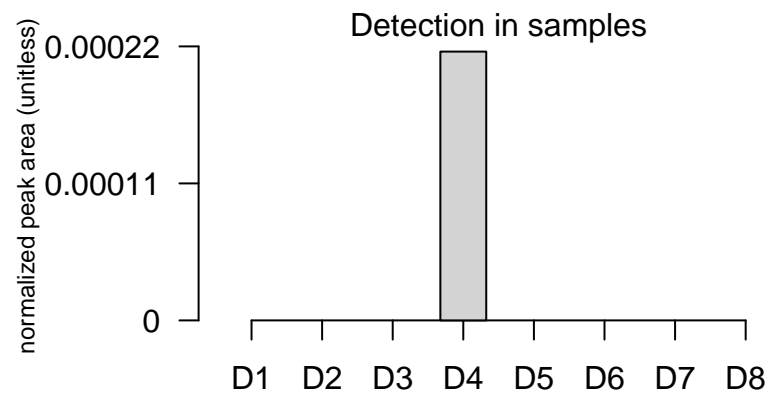
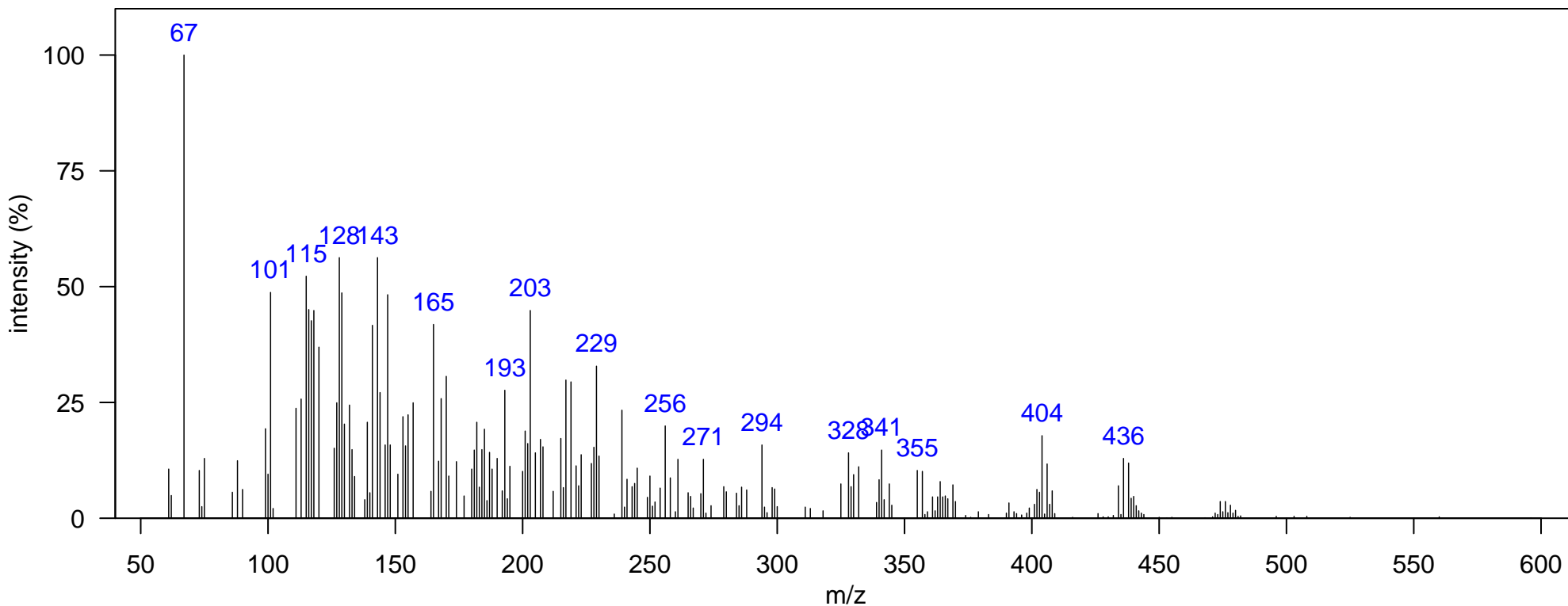
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-49

Class: Unknown

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1736.85, 1.808

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 270

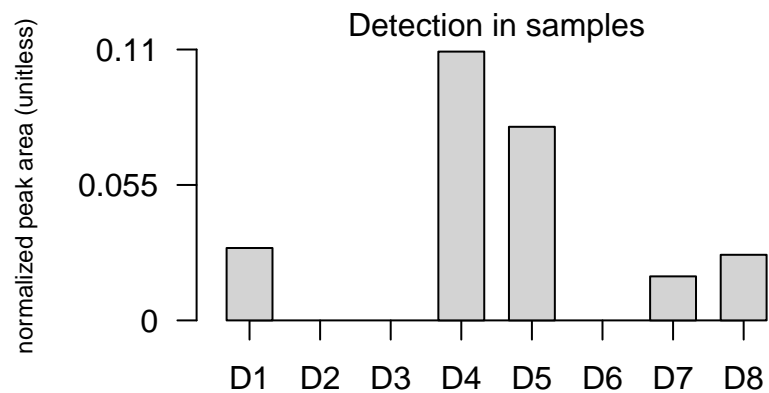
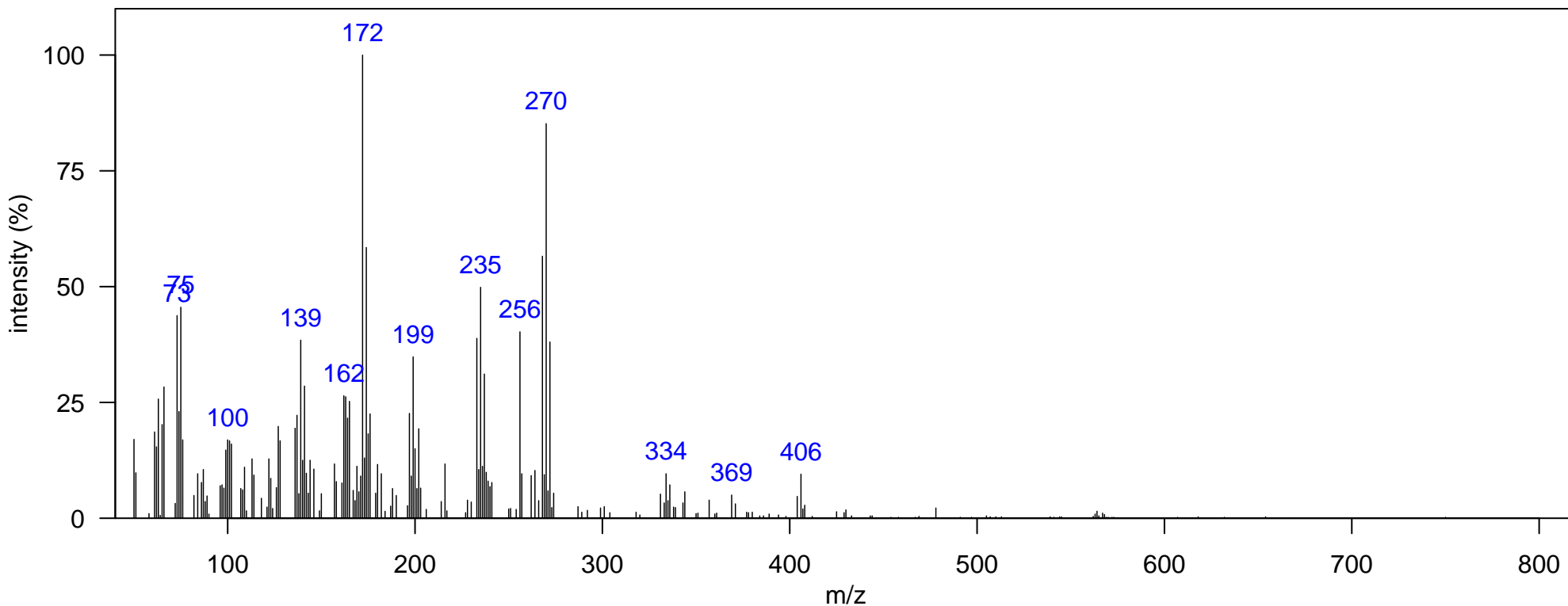
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-50

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1747.34, 1.795

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 408

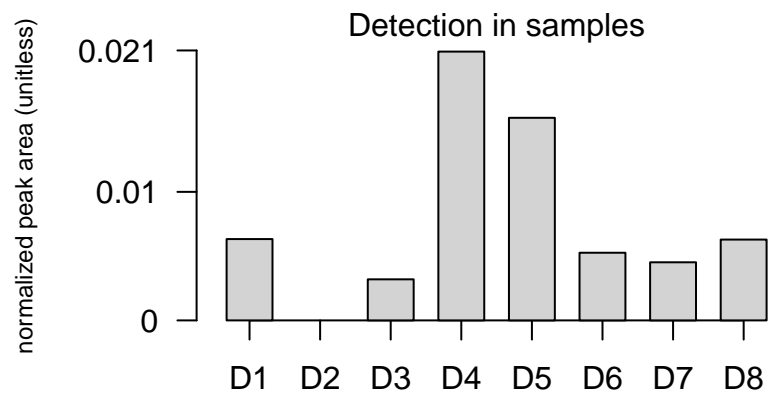
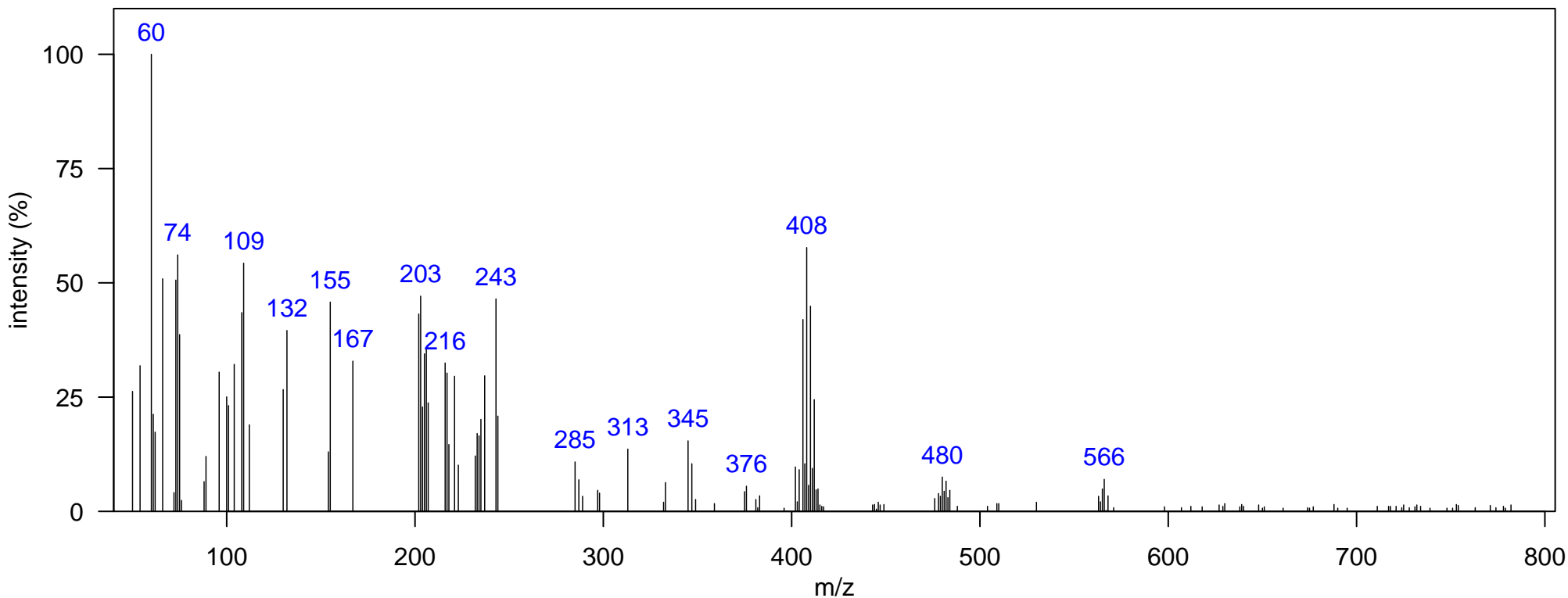
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



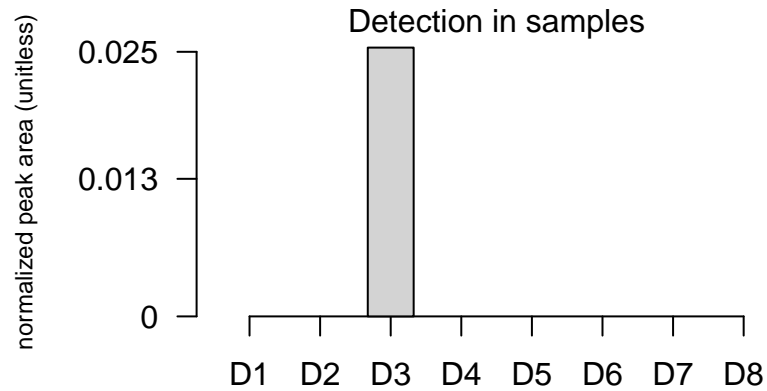
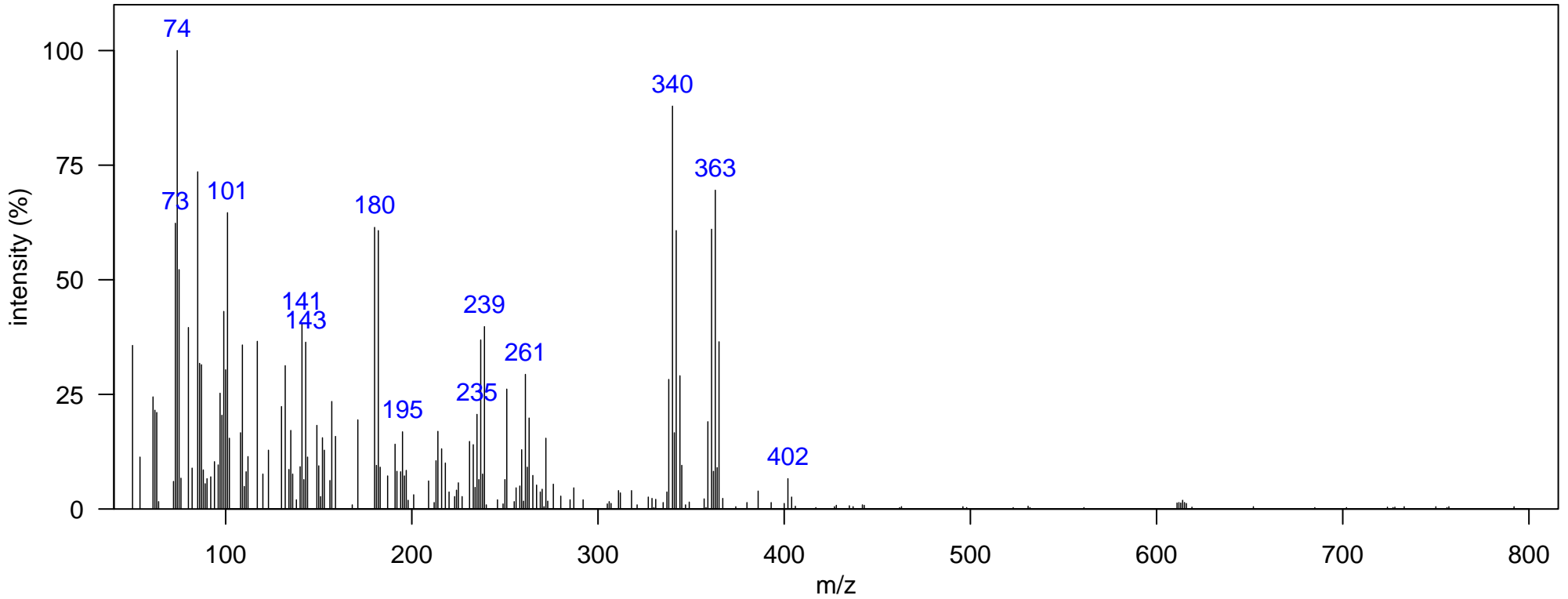
m/z [Fragment]

Name: unknown-51

Class: Unknown

Sample: SoCal dolphin blubber D3, NEB0016 1D RT, 2D RT (s): 1761.34, 2.013
Ecotype: coastal Quantitative Ion m/z: 340
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula:
Source: unknown
Identification:



m/z [Fragment]

Name: unknown-52

Class: Unknown

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1768.33, 2.039

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 309

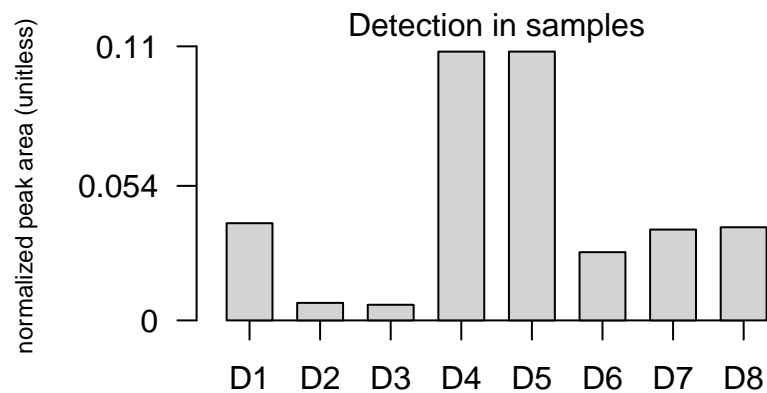
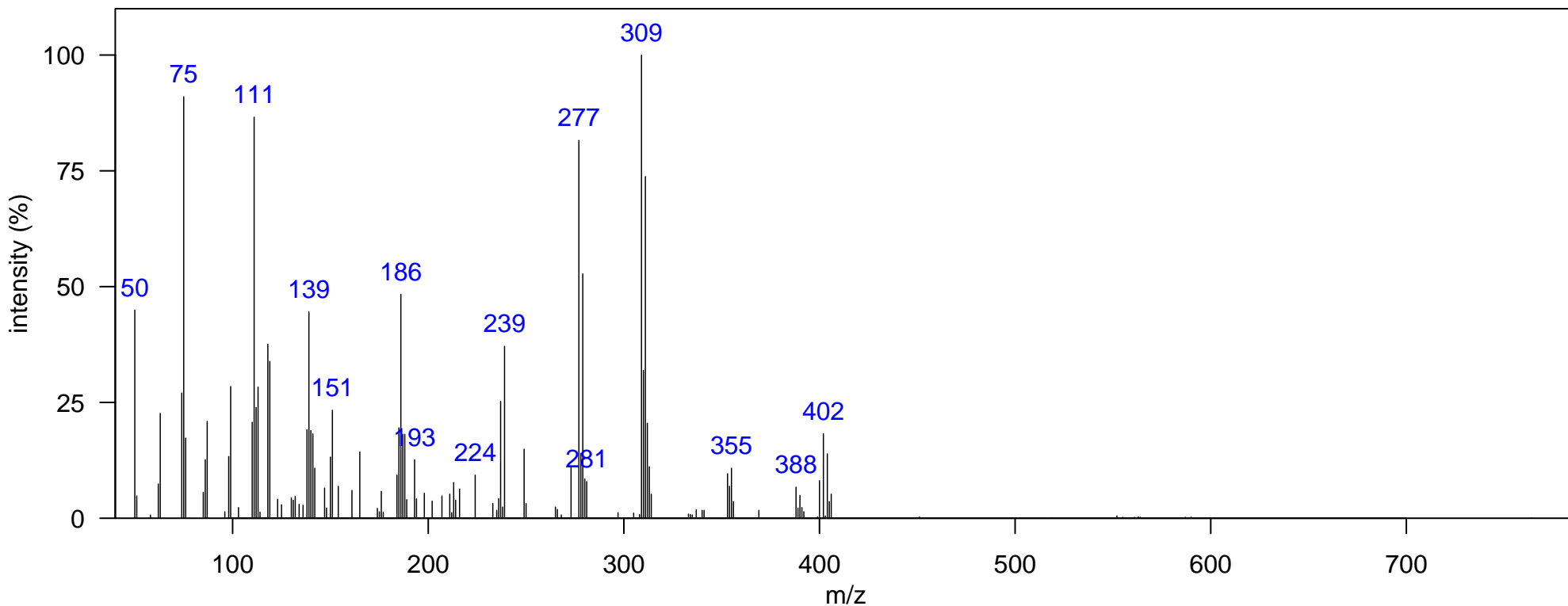
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

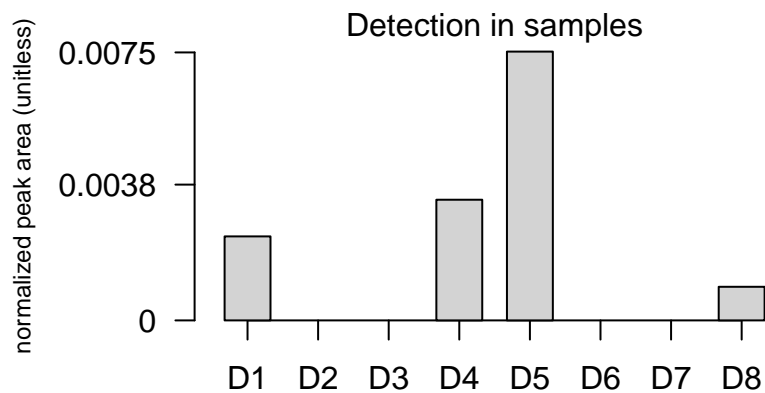
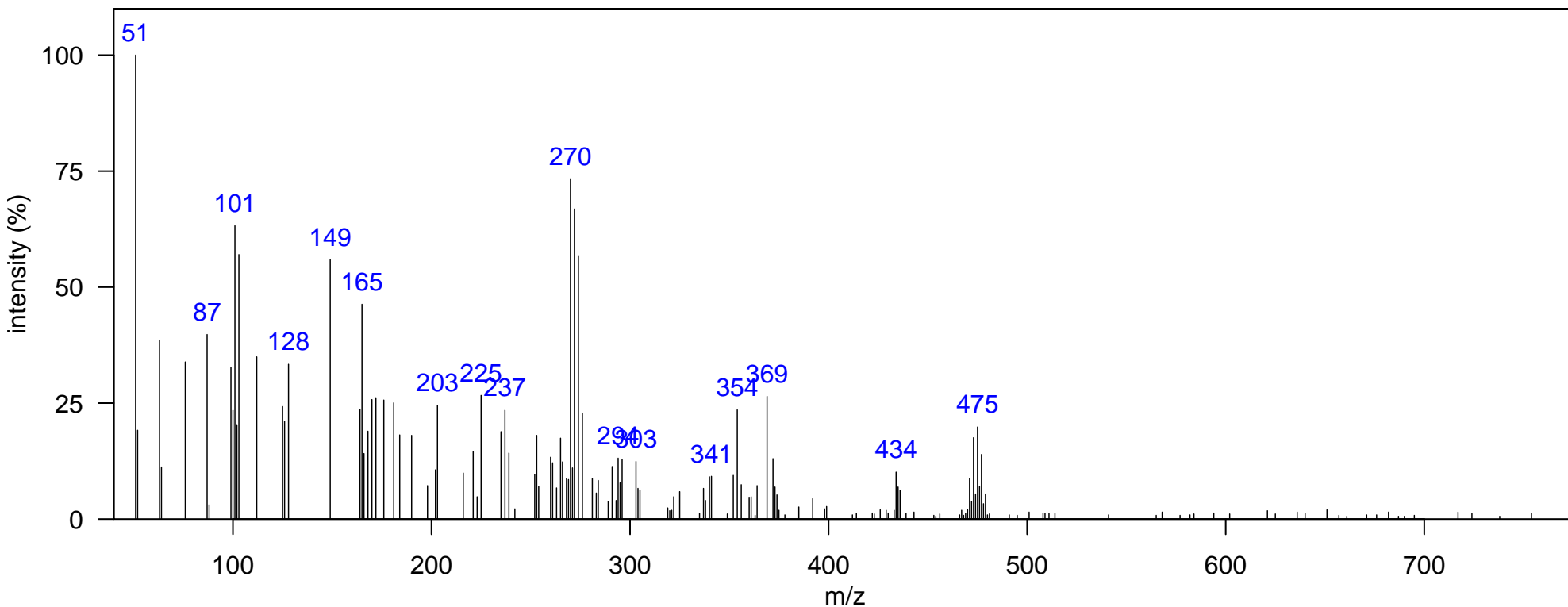
Comment:



m/z [Fragment]

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1768.33, 2
Ecotype: coastal Quantitative Ion m/z: 475
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula:
Source: unknown
Identification:



m/z [Fragment]

Name: unknown-54

Class: Unknown

Sample: SoCal dolphin blubber D1, KZP0086 1D RT, 2D RT (s): 1817.3, 2.138

Elemental Formula:

Ecotype: coastal

Quantitative Ion m/z: 510

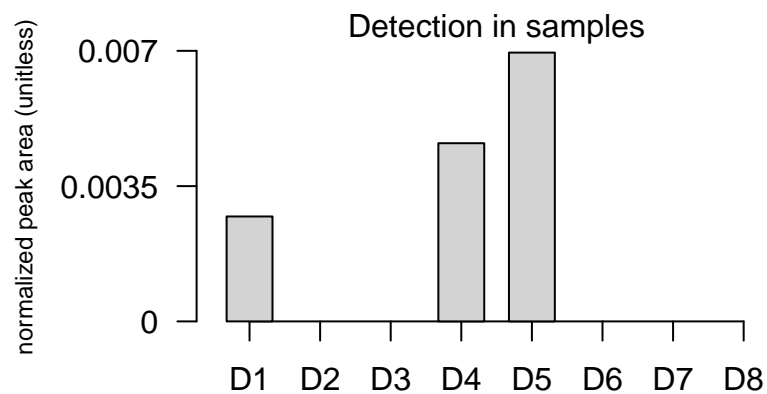
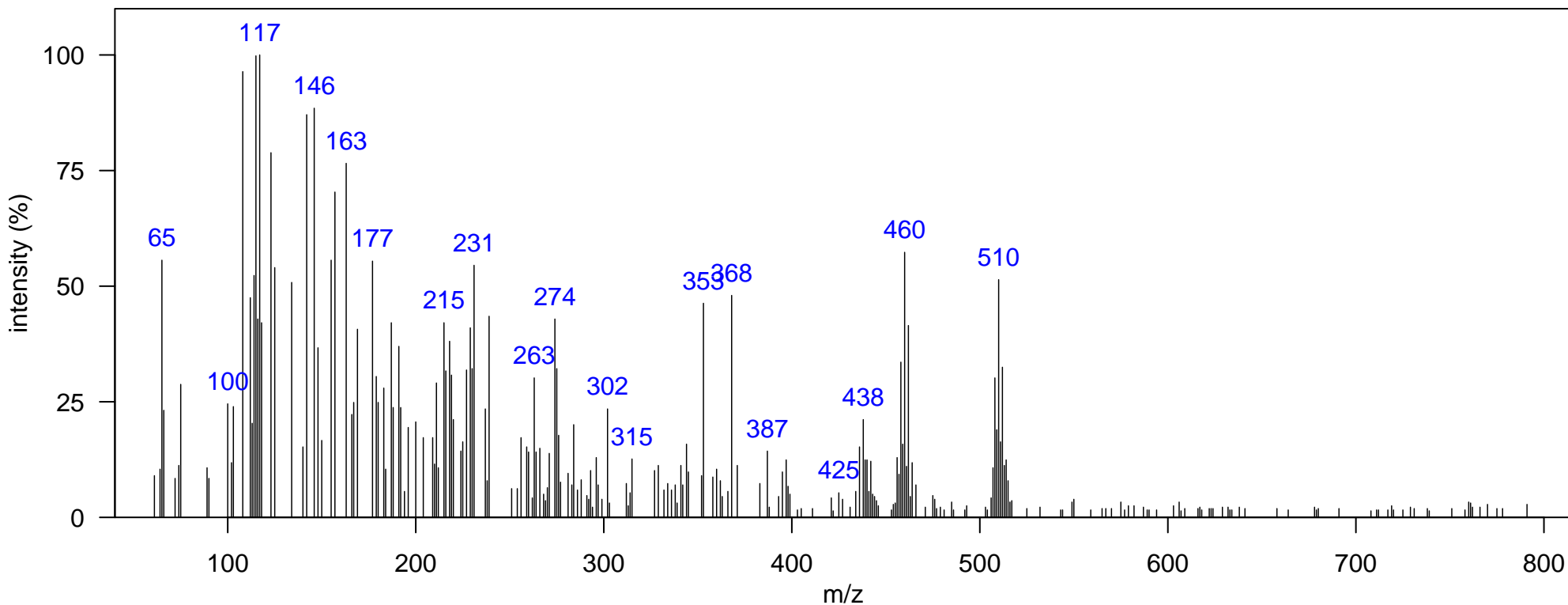
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



m/z [Fragment]

Name: unknown-55

Class: Unknown

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 1918.75, 2.805

Elemental Formula:

Ecotype: offshore

Quantitative Ion m/z: 441

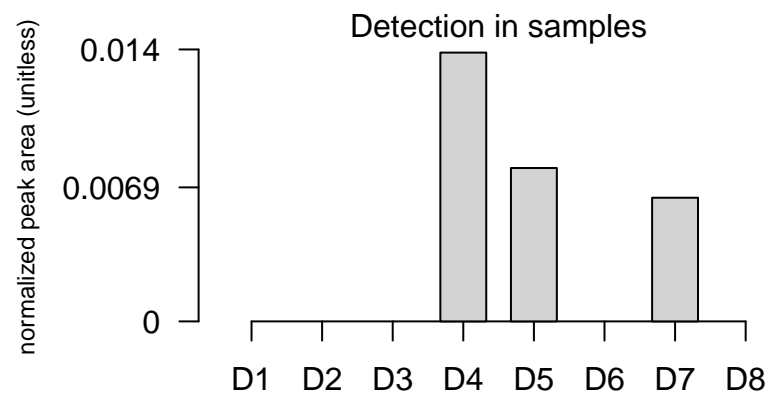
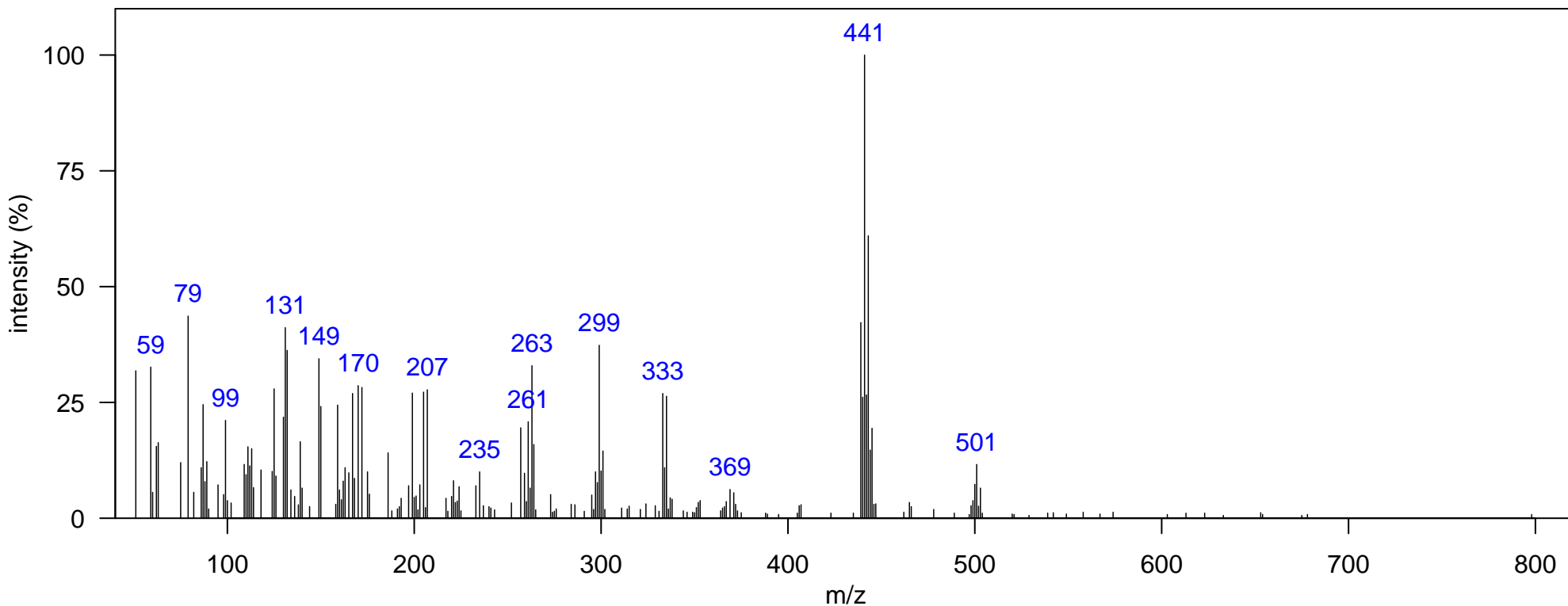
Source: unknown

Instrument: GCxGC-TOF, EI, 70 eV

Atlantic Lib:

Identification:

Comment:



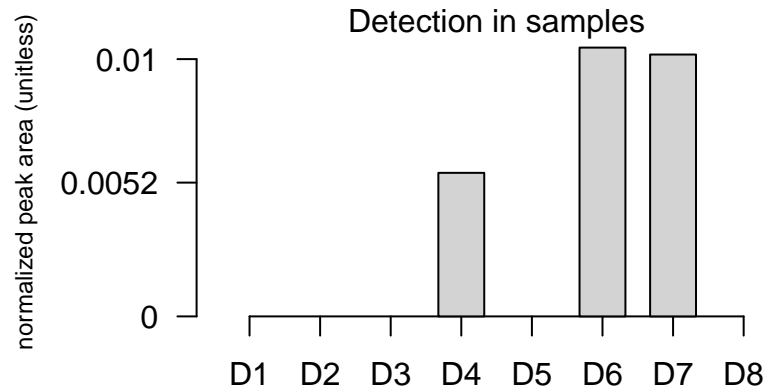
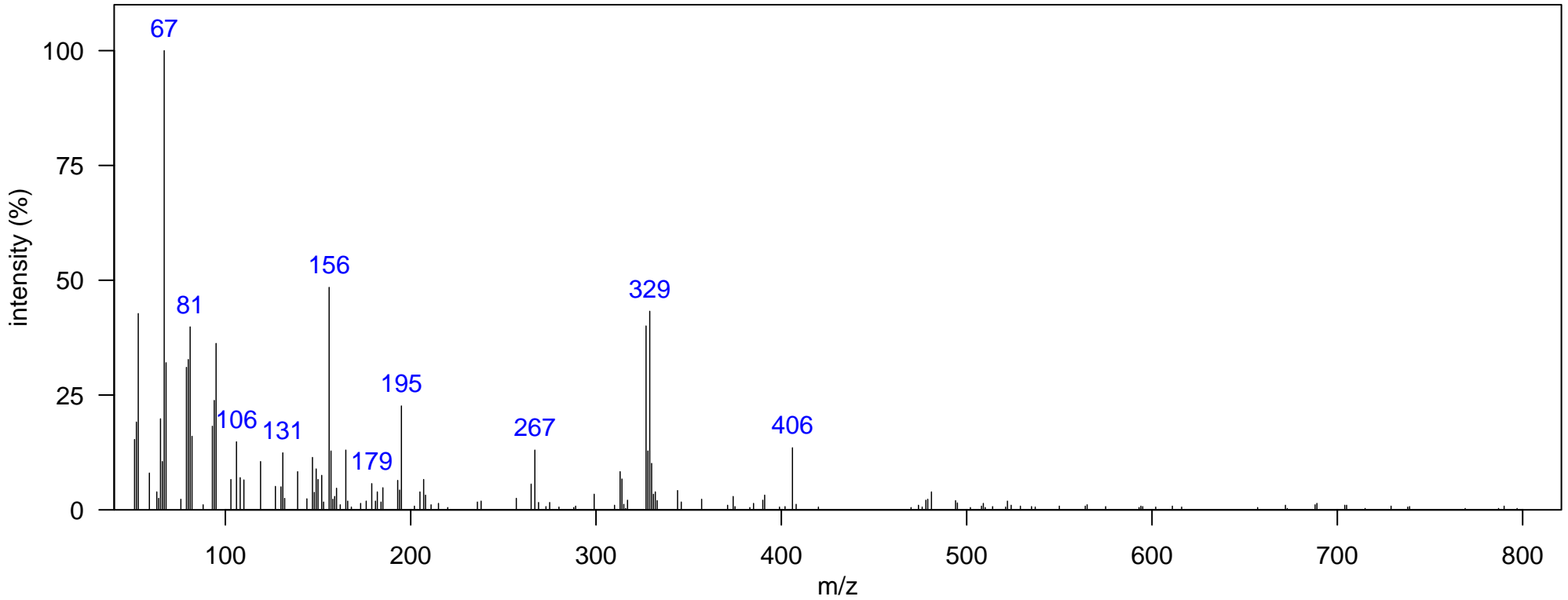
m/z [Fragment]

Name: unknown-56

Class: Unknown

Sample: SoCal dolphin blubber D4, JEH0504 1D RT, 2D RT (s): 2485.42, 0.838
Ecotype: offshore Quantitative Ion m/z: 329
Instrument: GCxGC-TOF, EI, 70 eV Atlantic Lib:
Comment:

Elemental Formula:
Source: unknown
Identification:



m/z [Fragment]
