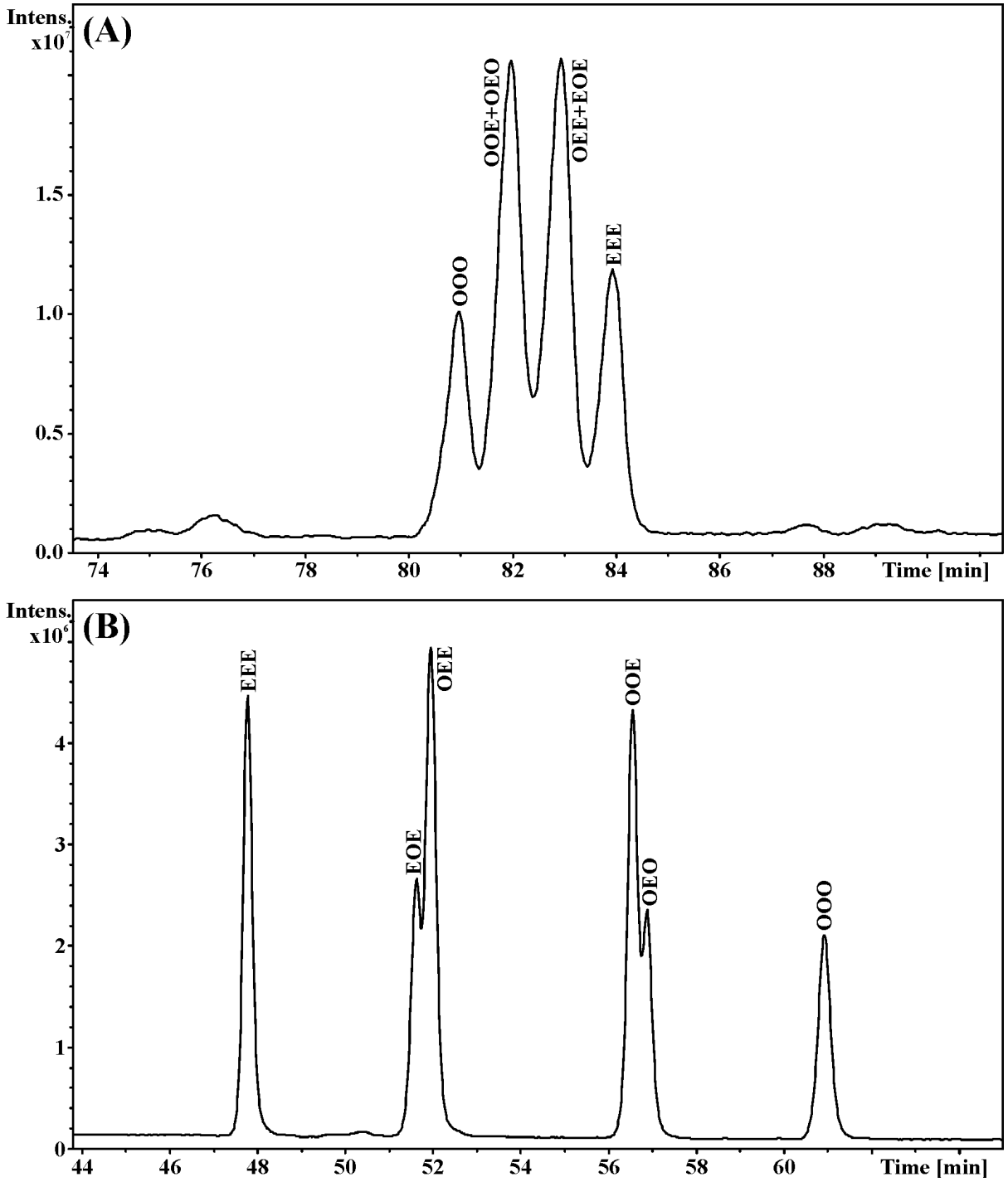
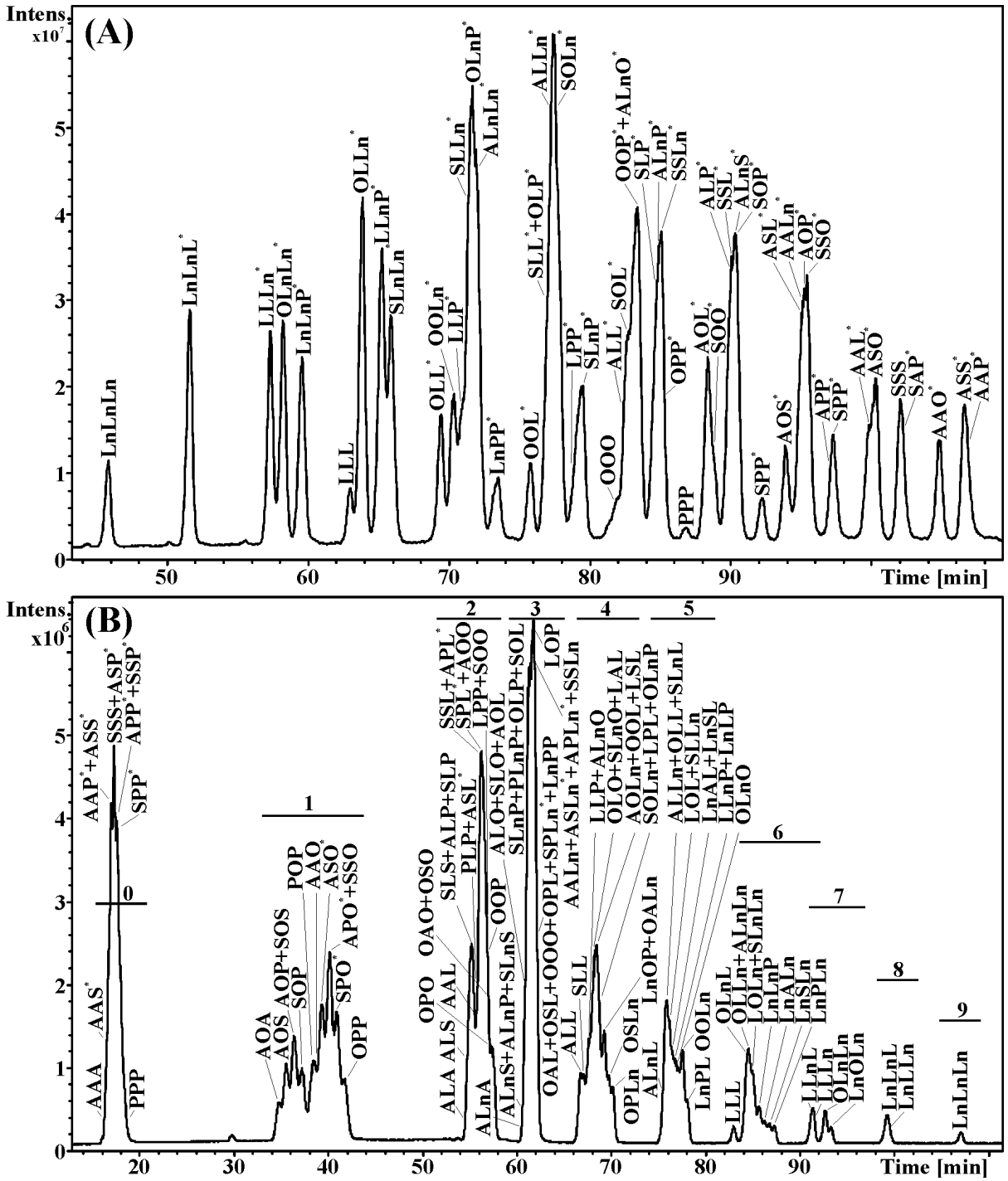
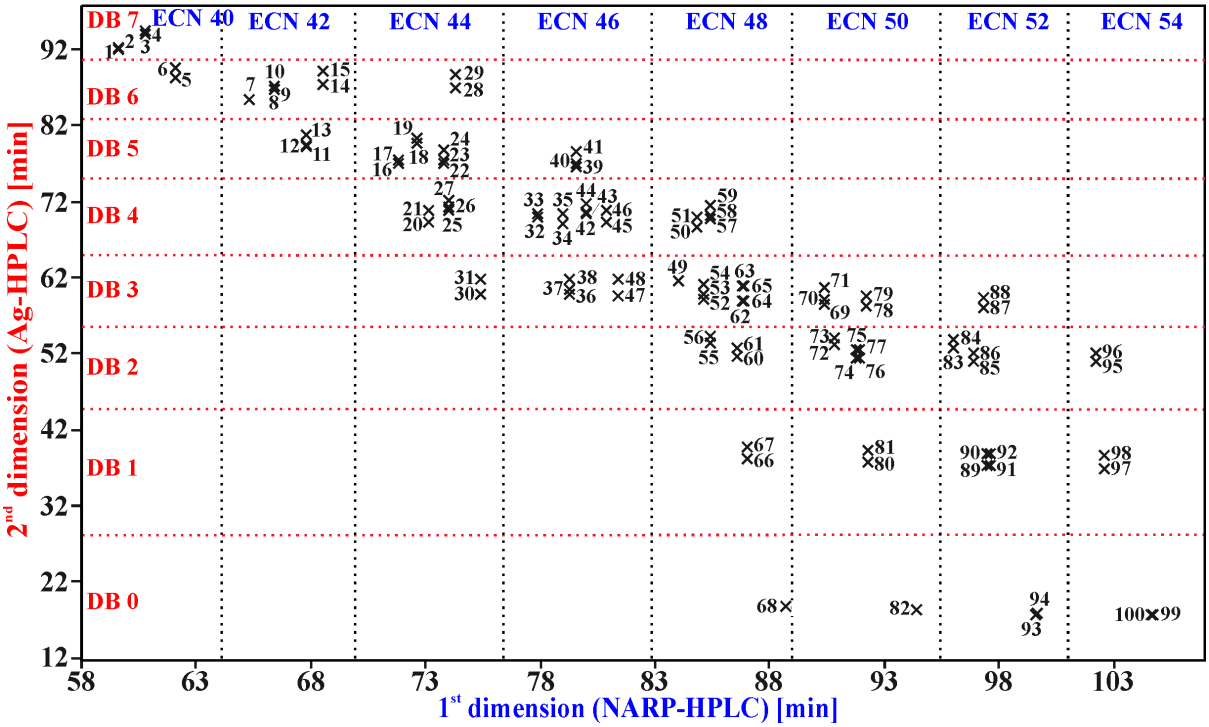
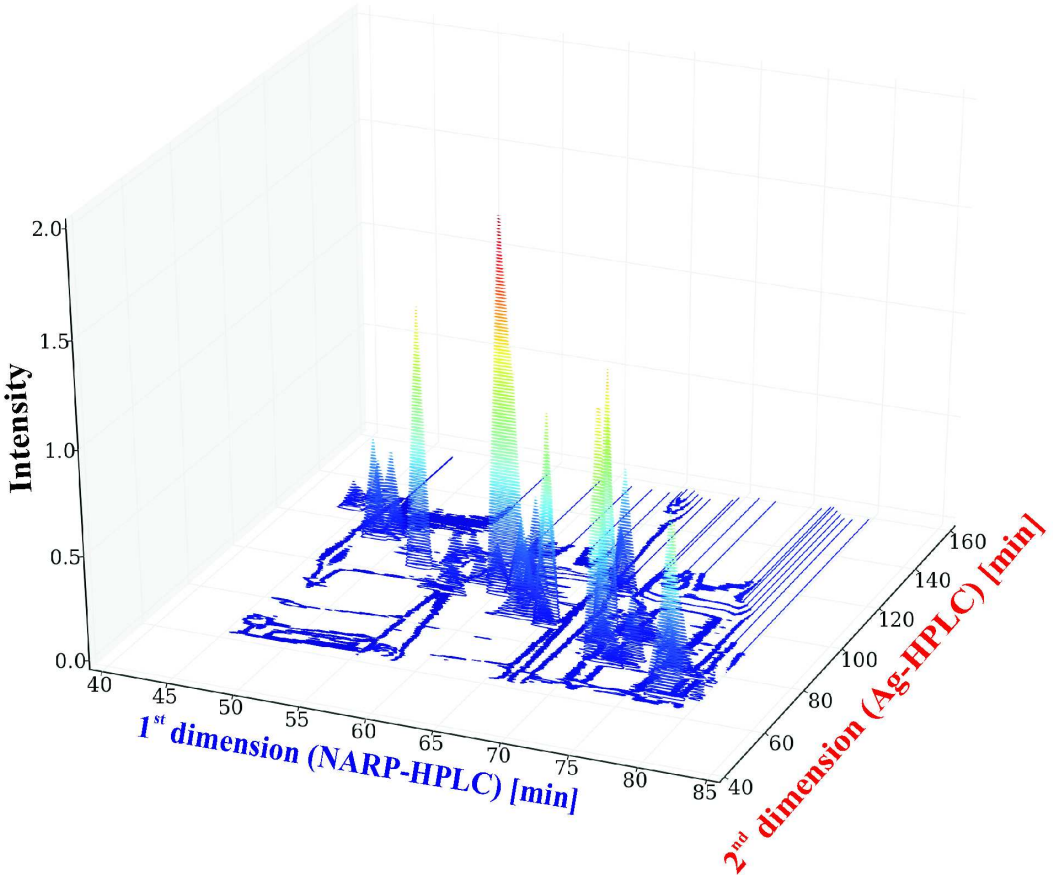
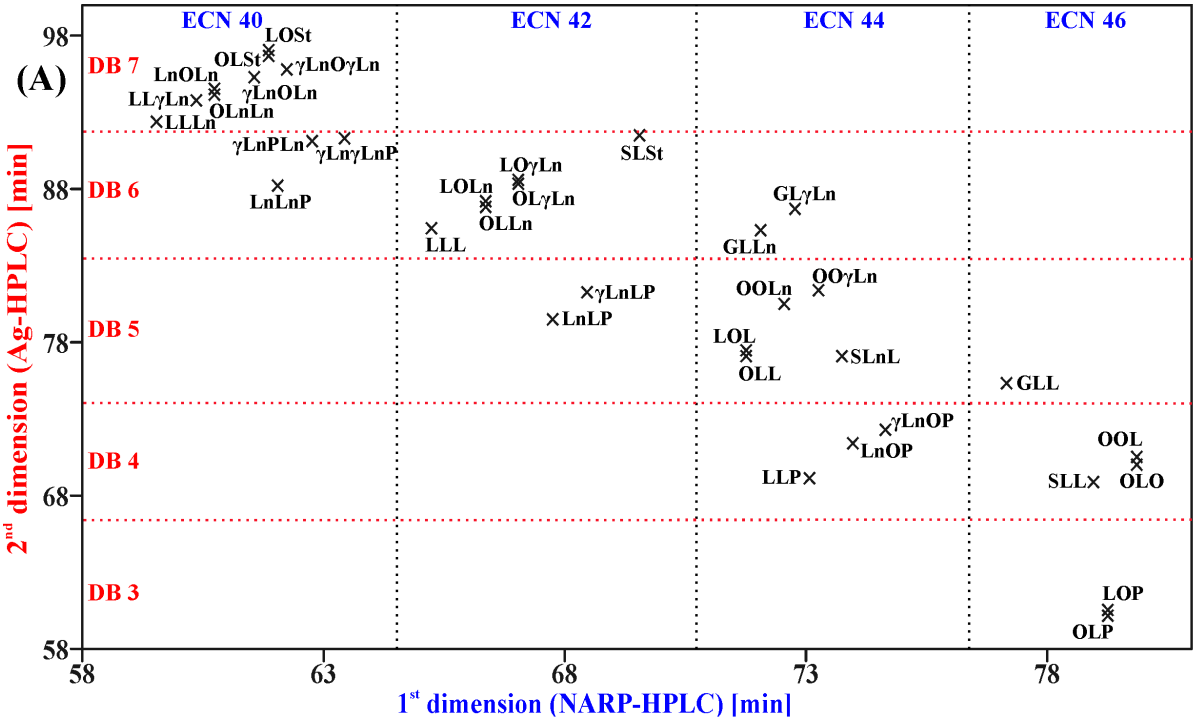
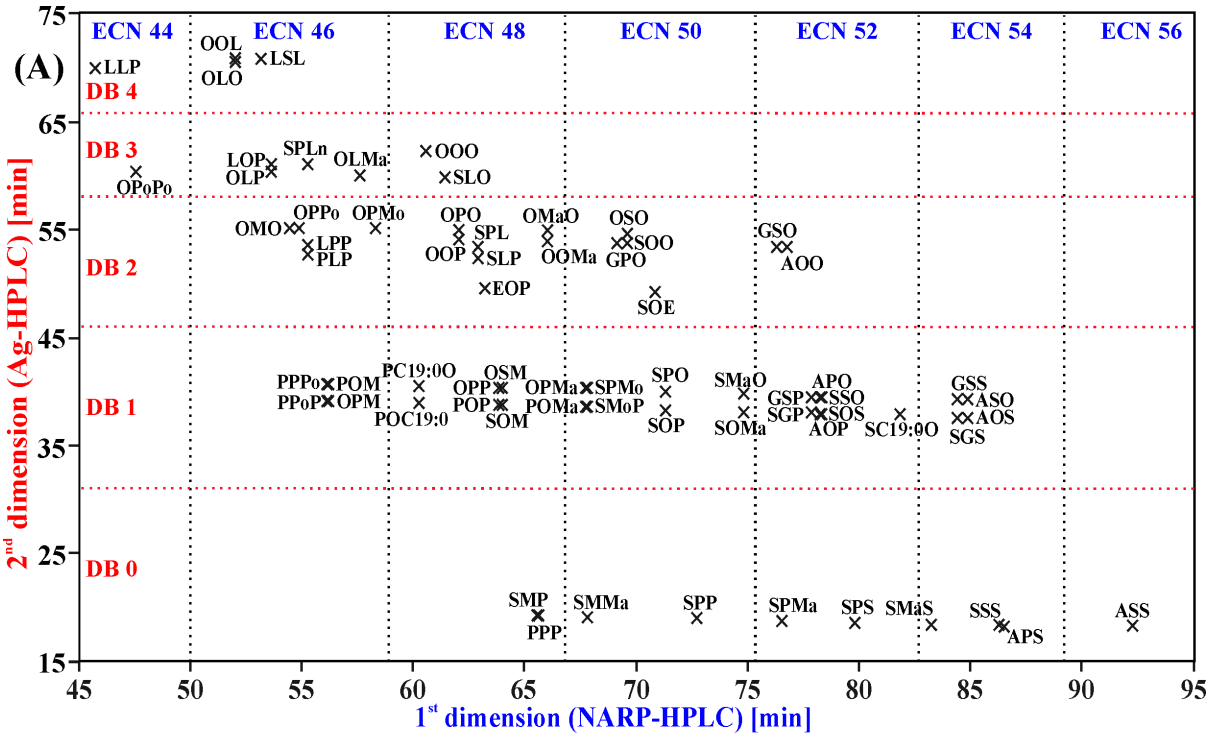

(A)
Intens.
x10^7
OOO
OOE+OEO
OEE+EOE
EEE
Time [min]
(B)
Intens.
x10^6
EEE
EOE
OEE
OOE
OEO
OOO
Time [min]

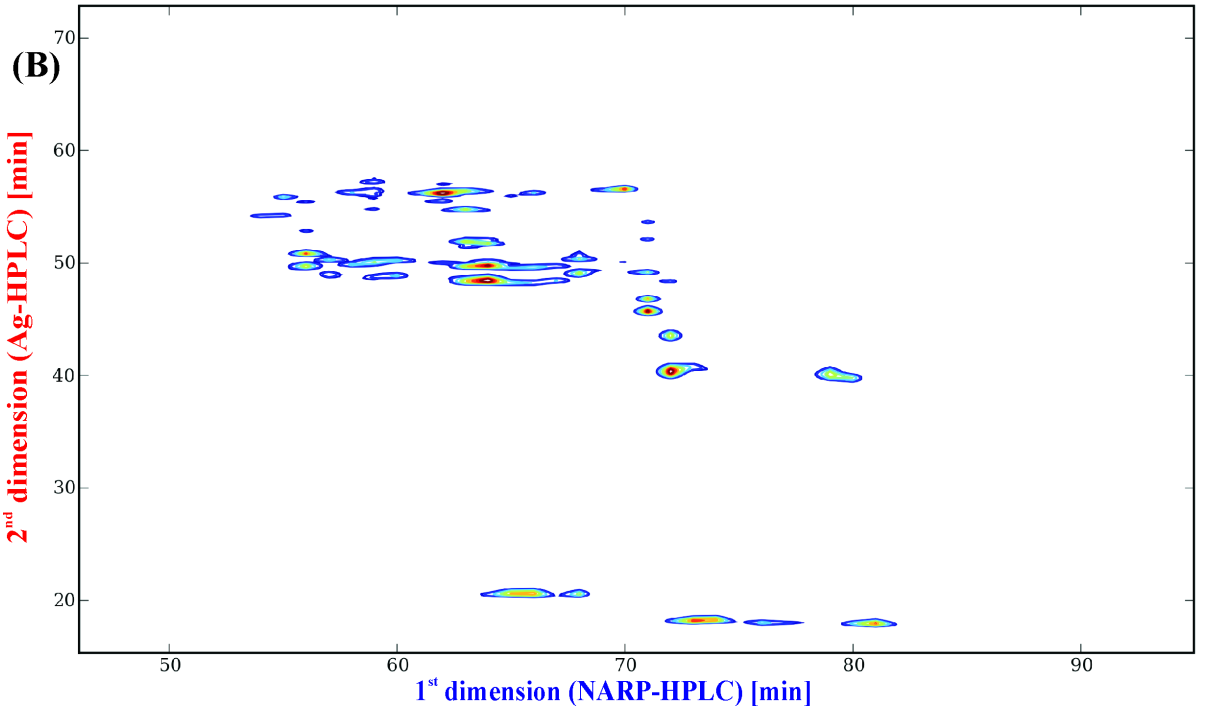

(A)
Intens.
x10^7
LnLnLn
LnLnL*
LLLn*
OLnLn*
LnLnP*
LLL
OLLn*
LLnP*
SLnLn
OLL*
OOLn*
LLP*
SLLn*
OLnP*
ALnLn*
LnPP*
OOL*
SLL*+OLP*
ALLn*
SOLn*
LPP*
SLnP*
ALL*
SOL*
OOO
OOP*+ALnO*
SLP*
ALnP*
SSLn*
OPP*
PPP
AOL*
SOO*
ALP*
SSL*
ALnS*
SOP*
SPP*
AOS*
ASL*
AAL*
AOP*
SSO*
APP*
SPP*
AAL*
ASO*
SSS*
SAP*
AAO*
ASS*
AAP*
Time [min]
(B)
Intens.
x10^6
AAP*+ASS*
SSS*+ASP*
APP*+SSP*
SPP*
AAA
AAS*
PPP
AOA
AOS
AOP+SOS
SOP
POP
AAO*
ASO*
APO*+SSO
SPO*
OPP
OPO
OAO+OSO
AAL
ALA
ALS
SLS+ALP+SLP
PLP+ASL*
ALnA
ALO+SLO+AOL
OOP
ALnS+ALnP+SLnS
SLnP+PLnP+OLP+SOL
SSL*+APL*
SPL*+AOO
LPP+SOO
OAL+OSL+OOO+OPL+SPLn*+LnPP
LOP
AALn+ASLn*+APLn*+SSLn
SLL
ALL
LLP+ALnO
OLO+SLnO+LAL
AOLn+OOL+LSL
SOLn+LPL+OLnP
OPLn
OSLn
ALnL
LnOP+OALn
ALLn+OLL+SLnL
LOL+SLLn
LnAL+LnSL
LLnP+LnLP
OLnO
LnPL
OOLn
LLL
OLnL
OLLn+ALnLn
LOLn+SLnLn
LnLnP
LnALn
LnSLn
LnPLn
LLnL
LLLn
OLnLn
LnOLn
LnLnL
LnLLn
LnLnLn
0
1
2
3
4
5
6
7
8
9
Time [min]


DB 7
DB 6
DB 5
DB 4
DB 3
DB 2
DB 1
DB 0
ECN 40
ECN 42
ECN 44
ECN 46
ECN 48
ECN 50
ECN 52
ECN 54
2nd dimension (Ag-HPLC) [min]
1st dimension (NARP-HPLC) [min]
12
22
32
42
52
62
72
82
92
58
63
68
73
78
83
88
93
98
103


Intensity
2.0
1.5
1.0
0.5
0.0
40
45
50
55
60
65
70
75
80
85
1st dimension (NARP-HPLC) [min]
40
60
80
100
120
140
160
2nd dimension (Ag-HPLC) [min]


(A)
ECN 40
ECN 42
ECN 44
ECN 46
DB 7
DB 6
DB 5
DB 4
DB 3
LOSt
OLSt
LnOLn
γLnOγLn
LLγLn
γLnOLn
OLnLn
LLLLn
γLnPLn
γLnγLnP
LnLnP
SLSt
LOγLn
LOLn
OLγLn
OLLn
LLL
GLγLn
GLLLn
OOγLn
OOLLn
γLnLP
LnLP
LOL
OLL
SLnL
GLL
γLnOP
LnOP
LLP
OOL
SLL
OLO
LOP
OLP
98
88
78
68
58
58
63
68
73
78
2nd dimension (Ag-HPLC) [min]
1st dimension (NARP-HPLC) [min]
(B)
95
90
85
80
75
70
65
60
60
65
70
75
80
2nd dimension (Ag-HPLC) [min]
1st dimension (NARP-HPLC) [min]


(A)
ECN 44
ECN 46
ECN 48
ECN 50
ECN 52
ECN 54
ECN 56
DB 4
DB 3
DB 2
DB 1
DB 0
LLP
OOL
LSL
OLO
LOP
OLP
SPLn
OLMa
OOO
SLO
OPoPo
OMO
OPPo
OPMo
OPO
SPL
OOP
SLP
EOP
OMaO
OOMa
OSO
SOO
GPO
SOE
GSO
AOO
PPPo
POM
PPoP
OPM
PC19:0O
POC19:0
OSM
OPP
POP
SOM
OPMa
POMa
SPMo
SMoP
SPO
SOP
SMaO
SOMa
APO
GSP
SSO
SGP
SOS
AOP
SC19:0O
GSS
ASO
AOS
SGS
SMP
PPP
SMMa
SPP
SPMa
SPS
SMaS
SSS
APS
ASS
2nd dimension (Ag-HPLC) [min]
1st dimension (NARP-HPLC) [min]
75
65
55
45
35
25
15
45
50
55
60
65
70
75
80
85
90
95


(B)
2nd dimension (Ag-HPLC) [min]
1st dimension (NARP-HPLC) [min]
70
60
50
40
30
20
50
60
70
80
90