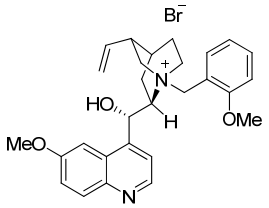
Experimental Details:

General Methods. ^{1}H, ^{13}C, NMR spectra were recorded on a Bruker 400 instrument. Chemical shifts (δ) are reported in ppm relative to residual solvent signals for ^{1}H and ^{13}C NMR (^{1}H NMR: 7.26 ppm for $CDCl_3$, 3.34 ppm for CD_3OD; ^{13}C NMR: 77.0 ppm for $CDCl_3$, 49.00 ppm for CD_3OD. ^{13}C NMR spectra were acquired with ^{1}H broad band decoupled mode. Mass spectra were recorded on a Micro mass LCT spectrometer using electrospray (ES) ionization techniques. Optical rotations were measured on a Perkin-Elmer 241 polarimeter. The enantiomeric excess (*ee*) of the products was determined by chiral stationary phase CSP-HPLC (Daicel Chiralpak AD and Chiralcel OD columns), using a UV detector operating at 254 nm. Infrared (IR) spectra were recorded as thin films between NaCl plates. Absorption maximum (ν_{max})was reported in wavenumbers (cm^{-1}) and only selected peaks are reported.

Materials. Analytical grade solvents and commercially available reagents were used as received, unless otherwise stated. Reactions were checked for completion by TLC (EM Science, silica gel 60 F254). Flash chromatography was performed using silica gel 60 (0.040-0.063 mm, 230-400 mesh). Racemic samples were prepared using tetrabutylammonium bromide as a catalyst at room temperature overnight.

Experimental procedure for the preparation of catalyst *N*- (2-methoxy) benzyl quinidinium bromide (4b)

To a stirred suspension of quinidine (3.47 g, 10.7 mmol) in THF (42.0 mL), 2-(methoxy) benzyl bromide (2.80 g, 13.9 mmol) was added. The resulting mixture was heated at 60 °C and stirred for 48 h at the same temperature. After cooling to r.t., the solvent was removed ***in vacuo***. The residue was purified by flash chromatography on silica gel eluting with chloroform:methanol 9:1 affording the title compound as a purple solid (6.94 g, 95% yield). (O. Marianacci, G. Micheletti, L. Bernardi, F. Fini, M. Fochi, D. Pettersen, V. Sgarzani, A. Ricci ***Chemistry-A. European Journal***, 2007, 13, 29, 8338)



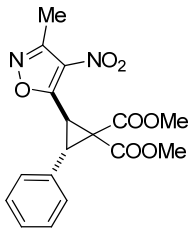
$[\alpha]_D^{20}$ = +400 (c = 0.50 in CH_3Cl); ^{1}H-NMR (400 MHz, $CDCl_3$): 8.77 (d, ***J*** = 4.4 Hz, 1H), 8.12 (d, ***J*** = 9.6 Hz, 1H), 7.96 (dd, ***J***= 7.6 Hz, 1.6 Hz, 1H), 7.91 (d, ***J*** = 4.4 Hz, 1H), 7.49 (dt, J_d = 8.6 Hz, J_t = 1.4, 1H), 7.40 (dd, ***J*** = 9.2 Hz, 2.4 Hz, 1H), 7.18 (d, ***J*** = 2.4 Hz, 1H), 7.13 (dt, J_d = 6.5 Hz, J_t = 1.4, 1H), 7.01 (d, ***J*** = 8.4 Hz, 1H), 6.96 (d, ***J*** = 6.4 Hz, 1H), 6.73 (d, ***J*** = 6.8 Hz, 1H), 6.27 (d, ***J*** = 12.0 Hz, 1H), 6.13-6.06 (m, 1H), 5.28-5.22 (m, 2H), 4.75 (d, ***J*** = 2.8 Hz, 1H), 4.73-4.69 (m, 1H), 4.01 (s, 3H), 3.93 (s, 3H), 3.74-3.67 (m, 2H), 3.61 (t, ***J*** = 12.4 Hz, 1H), 2.94-2.86 (m, 1H), 2.66-2.61 (m, 1H), 2.50-2.43 (m, 1H), 1.95-1.77 (m, 3H), 1.11-1.04 (m, 1H); ^{13}C-NMR (100.6 MHz): 158.6, 158.2, 148.0, 144.3, 143.3, 136.4, 135.8, 132.7,

132., 125.6, 122.0, 121.6, 120.6, 118.6, 115.5, 111.4, 100.6, 69.7, 64.1, 58.6, 56.0, 55.6, 53.9, 53.6, 38.6, 24.1, 24.5, 21.3; HRMS: *m/z* found $[M-Br]^+$ 445.2482, $C_{28}H_{33}N_2O_3$ requires 445.2491.

General procedure for the catalytic asymmetric addition of dimethyl bromomalonate to styrylisoxazole (Table 2)

To a test tube equipped with a magnetic stirring bar, were sequentially added the relevant styrylisoxazole **1a-k** (0.10 mmol, 1.0 equiv), toluene (5.0 mL), catalyst **4b** (2.63 mg, 0.005 mmol, 0.050 equiv) and dimethyl bromomalonate **2** (27 µL, 0.20 mmol, 2.0 equiv). The test tube was placed at the stated temperature (-37° C) then K_3PO_4 50% w/w was added in one portion (0.140 mL, 0.50 mmol, 5.0 equiv). The mixture was then stirred vigorously and after the stated time the reaction was quenched with NH_4Cl sat. sol. (4 mL) and the product extracted with toluene (3 x 1 mL). The combined organic phases were evaporated *in vacuo* and the residue was purified by flash chromatography on silica gel eluting with petroleum ether:EtOAc mixtures.

(+)-Dimethyl -2-(3-methyl-4-nitroisoxazol-5-yl)-3-phenylcyclopropane-1,1-dicarboxylate (7a)

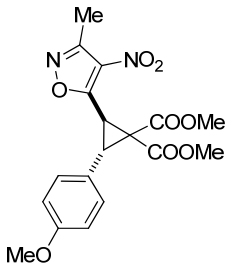


Prepared following general procedure using 3-methyl-4-nitro-5-styrylisoxazole **1a** (23 mg, 0.10 mmol). Reaction time: 24 h. Column chromatography (Solvents petroleum ether:EtOAc 9:1) afforded **7a** as a yellow oil (33.5 mg, 93% yield).

The *ee* of the product was determined by CSP-HPLC using a Chiralpak AD column (*n*-hexane/*i*-PrOH 90:10, flow rate 1.0 mL/min, t_{maj} = 14.95 min, t_{min} = 13.86 min, 89% *ee*); $[\alpha]_D^{20}$ = +20 (c = 0.50 in $CHCl_3$); ^{1}H-NMR (400 MHz, $CDCl_3$): 7.34-7.30 (m, 5H), 4.26 (d, *J* = 8.4 Hz, 1H), 3.96 (d, *J* = 8.4 Hz, 1H), 3.74 (s,

3H), 3.50 (s, 3H), 2.58 (s, 3H); ^{13}C-NMR (100.6 MHz): 168.7, 166.4, 165.1, 156.1, 132.2, 128.7, 128.6, 128.4, 53.6, 53.2, 44.9, 36.4, 29.8, 26.4, 11.8; IR (NaCl) / cm^{-1}: 1744 s, 1515 s; HRMS: *m/z* found $[M+H]^+$ 361.1021, $C_{17}H_{17}N_2O_7$ requires 361.1036.

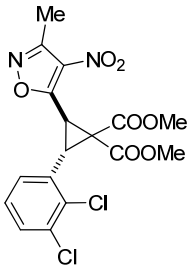
(+)-Dimethyl -2-(4-methoxyphenyl)-3-(3-methyl-4-nitroisoxazol-5-yl)cyclopropane-1,1-dicarboxylate (7b)



Prepared following general procedure using 5-(4-methoxystyryl)-3-methyl-4-nitroisoxazole **1b** (26 mg, 0.10 mmol). Reaction time: 42 h. Column chromatography (Solvents petroleum ether:EtOAc 9:1) afforded **7b** as a yellow oil (38.7 mg, 99% yield).

The *ee* of the product was determined by CSP-HPLC using a Chiralpak AD column (*n*-hexane/*i*PrOH 80:20, flow rate 1.0 mL/min, t_{maj} = 18.06 min, t_{min} = 14.31 min, 90% *ee*); $[\alpha]_D^{20}$ = +23 (c = 0.55 in $CHCl_3$); ^{1}H-NMR (400 MHz, $CDCl_3$): 7.24-7.22 (m, 2H), 6.86-6.84 (m, 2H), 4.20 (d, *J* = 8.4 Hz, 1H), 3.90 (d, *J* = 8.4 Hz, 1H), 3.79 (s, 3H), 3.73 (s, 3H), 3.53 (s, 3H), 2.57 (s, 3H); ^{13}C-NMR (100.6 MHz): 168.9, 166.5, 165.2, 159.6, 156.1, 129.8, 124.0, 114.1, 55.4, 53.6, 53.2, 45.0, 36.1, 29.8, 26.6, 11.8; IR (NaCl) / cm^{-1}: 1742 s, 1518 s; HRMS: *m/z* found $[M+H]^+$ 391.1135, $C_{18}H_{19}N_2O_8$ requires 391.1141.

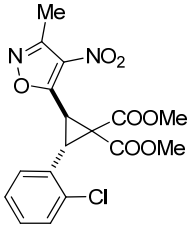
(+)-Dimethyl -2-(2,3-dichlorophenyl)-3-(3-methyl-4-nitroisoxazol-5-yl)cyclopropane-1,1-dicarboxylate (7c)



Prepared following general procedure using 5-(2,3-dichlorostyryl)-3-methyl-4-nitroisoxazole **1c** (30 mg, 0.10 mmol). Reaction time: 42 h. Column chromatography (Solvents petroleum ether:EtOAc 9:1) afforded **7c** as a yellow oil (42.4 mg, 99% yield).

The *ee* of the product was determined by CSP-HPLC using a Chiralpak AD column (*n*-hexane/*i*PrOH 80:20, flow rate 1.0 mL/min, t_{maj} = 10.98 min, t_{min} = 8.98 min, 91% *ee*); $[\alpha]_D^{20}$ = +20 (c = 1.00 in $CHCl_3$); ^{1}H-NMR (400 MHz, $CDCl_3$): 7.46-7.43 (m, 1H), 7.22-7.21 (m, 2H), 4.29 (d, *J* = 8.4 Hz, 1H), 4.00 (d, *J* = 8.4 Hz, 1H), 3.76 (s, 3H), 3.58 (s, 3H), 2.58 (s, 3H); ^{13}C-NMR (100.6 MHz): 168.1, 165.8, 165.2, 156.2, 134.1, 133.6, 132.9, 130.6, 128.2, 127.3, 53.7, 53.5, 44.4, 35.8, 29.8, 27.2, 11.7; IR (NaCl) / cm^{-1}: 1754 s, 1518 s; HRMS: *m/z* found $[M+H]^+$ 429.0266, $C_{17}H_{15}N_2O_7Cl_2$ requires 429.0256.

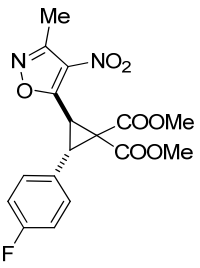
(+)-Dimethyl -2-(2-chlorophenyl)-3-(3-methyl-4-nitroisoxazol-5-yl)cyclopropane-1,1-dicarboxylate (7d)



Prepared following general procedure using 5-(2-chlorostyryl)-3-methyl-4-nitroisoxazole **1d** (27 mg, 0.10 mmol). Reaction time: 48 h. Column chromatography (Solvents petroleum ether:EtOAc 9:1) afforded **7d** as a yellow oil (35.8 mg, 91% yield).

The *ee* of the product was determined by CSP-HPLC using a Chiralpak AD column (*n*-hexane/*i*PrOH 90:10, flow rate 1.0 mL/min, t_{maj} = 14.50 min, t_{min} = 12.97 min, 92% *ee*); $[\alpha]_D^{20}$ = +50 (c = 0.65 in $CHCl_3$); ^{1}H-NMR (400 MHz, $CDCl_3$): 7.41-7.39 (m, 1H), 7.31-7.27 (m, 3H), 4.31 (d, *J* = 8.0 Hz, 1H), 4.01 (d, *J* = 8.4, 1H), 3.76 (s, 3H), 3.55 (s, 3H), 2.58 (s, 3H); ^{13}C-NMR (100.6 MHz): 168.5, 166.0, 165.3, 156.2, 135.8, 130.6, 129.9, 129.8, 129.7, 126.9, 53.6, 53.3, 44.4, 35.4, 29.8, 26.9, 11.8; IR (NaCl) / cm^{-1}: 1730 s, 1533 s; HRMS: *m/z* found $[M+H]^+$ 395.0636, $C_{17}H_{16}N_2O_7Cl$ requires 395.0646.

(+)-Dimethyl 2-(4-fluorophenyl)-3-(3-methyl-4-nitroisoxazol-5-yl)cyclopropane-1,1-dicarboxylate (7e)

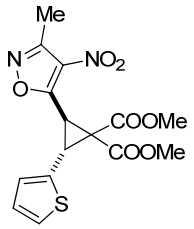


Prepared following general procedure using 5-(4-fluorostyryl)-3-methyl-4-nitroisoxazole **1e** (25 mg, 0.10 mmol). Reaction time: 24 h. Column chromatography (Solvents petroleum ether:EtOAc 9:1) afforded **7e** as a yellow oil (37.4 mg, 99% yield).

The *ee* of the product was determined by CSP-HPLC using a Chiralpak AD column (*n*-hexane/*i*PrOH 80:20, flow rate 1.0 mL/min, t_{maj} = 12.32 min, t_{min} = 10.46 min, 87% *ee*); $[\alpha]_D^{20}$ = +10 (c = 0.72 in $CHCl_3$); ^{1}H-NMR (400 MHz, $CDCl_3$): 7.32-7.29 (m, 2H), 7.05-7.01 (m, 2H), 4.22 (d, *J* = 8.4 Hz, 1H), 3.91 (d, *J* = 8.4 Hz, 1H), 3.74 (s, 3H), 3.53 (s, 3H), 2.57 (s, 3H); ^{13}C-NMR (100.6 MHz): 168.5, 166.3, 165.0, 162.7 (d, *J* = 247 Hz), 156.2, 130.4 (d, *J* = 8.0 Hz), 128.0 (d, *J* = 3.0 Hz), 115.8 (d, *J* = 21 Hz), 53.7, 53.3, 44.9, 35.7, 31.7, 29.8, 11.7; IR

(NaCl) / cm^{-1}: 1754 s, 1526 s; HRMS: ***m/z*** found $[M+H]^+$ 379.0936, $C_{17}H_{16}N_2O_7F$ requires 379.0942.

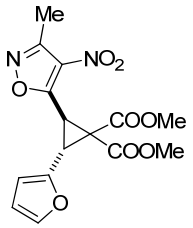
(+)-Dimethyl 2-(3-methyl-4-nitroisoxazol-5-yl)-3-(thiophen-2-yl)cyclopropane-1,1-dicarboxylate (7f)



Prepared following general procedure using 3-methyl-4-nitro-5-(2-(thiophen-2-yl)vinyl)isoxazole **1f** (24 mg, 0.10 mmol). Reaction time: 42 h. Column chromatography (Solvents petroleum ether:EtOAc 9:1) afforded **7f** as a yellow oil (35.8 mg, 98% yield).

The ***ee*** of the product was determined by CSP-HPLC using a Chiralpak AD column (***n***-hexane/***i***PrOH 90:10, flow rate 1.0 mL/min, t_{maj} = 16.38 min, t_{min} = 14.81 min, 87% ***ee***); $[\alpha]_D^{20}$ = +13 (c = 0.58 in $CHCl_3$); ^{1}H-NMR (400 MHz, $CDCl_3$): 7.24 (d, ***J*** = 0.8 Hz, 1H), 7.01-7.00 (m, 1H), 6.97-6.95 (m, 1H), 4.18 (d, ***J*** = 8.0 Hz, 1H), 3.99 (d, ***J*** = 8.0 Hz, 1H), 3.73 (s, 3H), 3.61 (s, 3H), 2.57 (s, 3H); ^{13}C-NMR (100.6 MHz): 168.0, 166.1, 164.8, 156.1, 134.8, 127.5, 127.1, 126.3, 53.7, 53.4, 45.3, 31.3, 29.8, 28.2, 11.7; IR (NaCl) / cm^{-1}: 1734 s, 1549 s; HRMS: ***m/z*** found $[M+H]^+$ 367.0582, $C_{15}H_{15}N_2O_7S$ requires 367.0600.

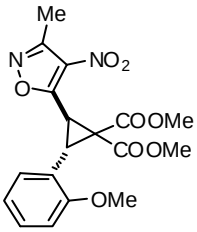
(+)-Dimethyl 2-(furan-2-yl)-3-(3-methyl-4-nitroisoxazol-5-yl)cyclopropane-1,1-dicarboxylate (7g)



Prepared following general procedure using 5-(2-(furan-2-yl)vinyl)-3-methyl-4-nitroisoxazole **1g** (22 mg, 0.10 mmol). Reaction time: 42 h. Column chromatography (Solvents petroleum ether:EtOAc 9:1) afforded **7g** as a yellow oil (34.8 mg, 99% yield).

The *ee* of the product was determined by CSP-HPLC using a Chiralcel OD column (*n*-hexane/*i*PrOH 90:10, flow rate 1.0 mL/min, t_{maj} = 23.55 min, t_{min} = 15.32 min, 86% *ee*); $[\alpha]_D^{20}$ = +24 (c = 0.53 in $CHCl_3$); ^{1}H-NMR (400 MHz, $CDCl_3$): 7.35-7.34 (m, 1H), 6.35-6.33 (m, 2H), 4.11 (d, *J* = 8.0 Hz, 1H), 3.84 (d, *J* = 7.6 Hz, 1H), 3.71 (s, 3H), 3.68 (s, 3H), 2.57 (s, 3H); ^{13}C-NMR (100.6 MHz): 167.8, 166.0, 165.0, 156.1, 146.6, 143.0, 111.0, 109.5, 53.7, 53.5, 43.7, 29.8, 29.3, 26.5, 11.7; IR (NaCl) / cm^{-1}: 1734 s, 1518 s; HRMS: *m/z* found $[M+H]^+$ 351.0820, $C_{15}H_{15}N_2O_8$ requires 351.0828.

(+)-Dimethyl 2-(2-methoxyphenyl)-3-(3-methyl-4-nitroisoxazol-5-yl)cyclopropane-1,1-dicarboxylate (7h)

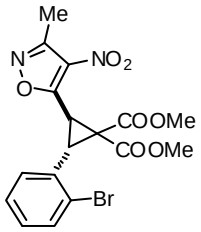


Prepared following general procedure using 5-(2-methoxystyryl)-3-methyl-4-nitroisoxazole **1h** (26 mg, 0.10 mmol).

Reaction time: 72 h. Column chromatography (Solvents petroleum ether:EtOAc 9:1) afforded **7h** as a yellow oil (37.8 mg, 97% yield).

The *ee* of the product was determined by CSP-HPLC using a Chiralcel OD column (*n*-hexane/*i*-PrOH 95:5, flow rate 0.50 mL/min, t_{maj} = 39.46 min, t_{min} = 29.21 min, 96% *ee*); $[\alpha]_D^{20}$ = +5.0 (c = 0.31 in $CHCl_3$); ^{1}H-NMR (400 MHz, $CDCl_3$): 7.31-7.27 (m, 1H), 7.18-7.16 (m, 1H), 6.94-6.90 (m, 1H), 6.87 (d, *J* = 8.4 Hz, 1H), 4.23 (d, *J* = 8.4 Hz, 1H), 3.94 (d, *J* = 8.4 Hz, 1H), 3.83 (s, 3H), 3.73 (s, 3H), 3.51 (s, 3H), 2.58 (s, 3H); ^{13}C-NMR (100.6 MHz): 169.3, 166.6, 165.6, 158.7, 156.1, 129.7, 129.2, 129.0, 128.4, 120.9, 110.5, 55.7, 53.5, 53.0, 44.4, 32.9, 26.7, 11.8; IR (NaCl) / cm^{-1}: 1734 s, 1518 s; HRMS: *m/z* found $[M-H]^-$ 389.0966, $C_{18}H_{17}N_2O_8$ requires 389.0985.

(+)-Dimethyl 2-(2-bromophenyl)-3-(3-methyl-4-nitroisoxazol-5-yl)cyclopropane-1,1-dicarboxylate (7i)

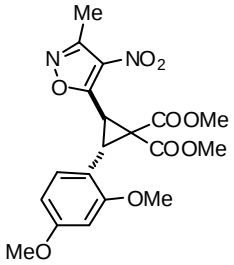


Prepared following general procedure using 5-(2-bromostyryl)-3-methyl-4-nitroisoxazole **1i** (31 mg, 0.10 mmol). Reaction time: 45 h. Column chromatography (Solvents petroleum ether:EtOAc 9:1) afforded **7i** as a yellow oil (43.4 mg, 99% yield).

The *ee* of the product was determined by CSP-HPLC using a Chiralpak AD column (*n*-hexane/*i*-PrOH 90:10, flow rate 1.0 mL/min, t_{maj} = 16.78 min, t_{min} = 15.22 min, 93% *ee*); $[\alpha]_D^{20}$ = +1.0 (c = 0.62 in $CHCl_3$); ^{1}H-NMR (400 MHz, $CDCl_3$): 7.60-7.58 (m, 1H), 7.33-7.26 (m, 2H), 7.23-7.18 (m, 1H), 4.31 (d, *J* = 8.4 Hz, 1H), 3.99 (d, *J* = 8.6 Hz, 1H), 3.76 (s, 3H), 3.55 (s,

3H), 2.58 (s, 3H); ^{13}C-NMR (100.6 MHz): 168.4, 165.9, 165.2, 156.2, 133.0, 132.3, 130.0, 130.0, 127.5, 125.8, 53.6, 53.3, 44.6, 37.6, 27.2, 11.8; IR (NaCl) / cm^{-1}: 1738 s, 1522 s; HRMS: *m/z* found [M-H]$^-$ 436.9993, $C_{17}H_{14}N_2O_7Br$ requires 436.9984.

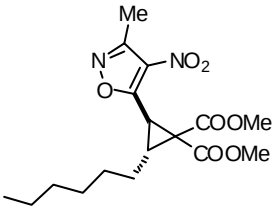
(+)-Dimethyl 2-(2,4-dimethoxyphenyl)-3-(3-methyl-4-nitroisoxazol-5-yl)cyclopropane-1,1-dicarboxylate (7j)



Prepared following general procedure using 5-(2,4-dimethoxystyryl)-3-methyl-4-nitroisoxazole **1j** (29 mg, 0.10 mmol). Reaction time: 72 h. Column chromatography (Solvents petroleum ether:EtOAc 85:15) afforded **7j** as a yellow oil (39.1 mg, 93% yield).

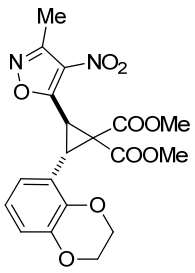
The *ee* of the product was determined by CSP-HPLC using a Chiralcel OD column (*n*-hexane/*i*-PrOH 80:20, flow rate 0.75 mL/min, t_{maj} = 23.57 min, t_{min} = 20.01 min, 94% *ee*); $[\alpha]_D^{20}$ = +4.0 (c = 0.36 in $CHCl_3$); ^{1}H-NMR (400 MHz, $CDCl_3$): 7.08-7.05 (m, 1H), 6.44-6.42 (m, 2H), 4.18 (d, *J* = 8.4 Hz, 1H), 3.87 (d, *J* = 8.4 Hz, 1H), 3.80 (s, 3H), 3.79 (s, 3H), 3.72 (s, 3H), 3.54 (s, 3H), 2.57 (s, 3H); ^{13}C-NMR (100.6 MHz): 169.4, 166.7, 165.6, 161.1, 159.7, 156.1, 129.5, 113.2, 104.0, 98.6, 55.7, 55.5, 53.4, 53.1, 44.4, 32.7, 29.8, 26.7, 11.8; IR (NaCl) / cm^{-1}: 1734 s, 1510 s; HRMS: *m/z* found [M-H]$^-$ 419.1109, $C_{19}H_{19}N_2O_9$ requires 419.1091.

(+)-Dimethyl 2-hexyl-3-(3-methyl-4-nitroisoxazol-5-yl)cyclopropane-1,1-dicarboxylate (7k)



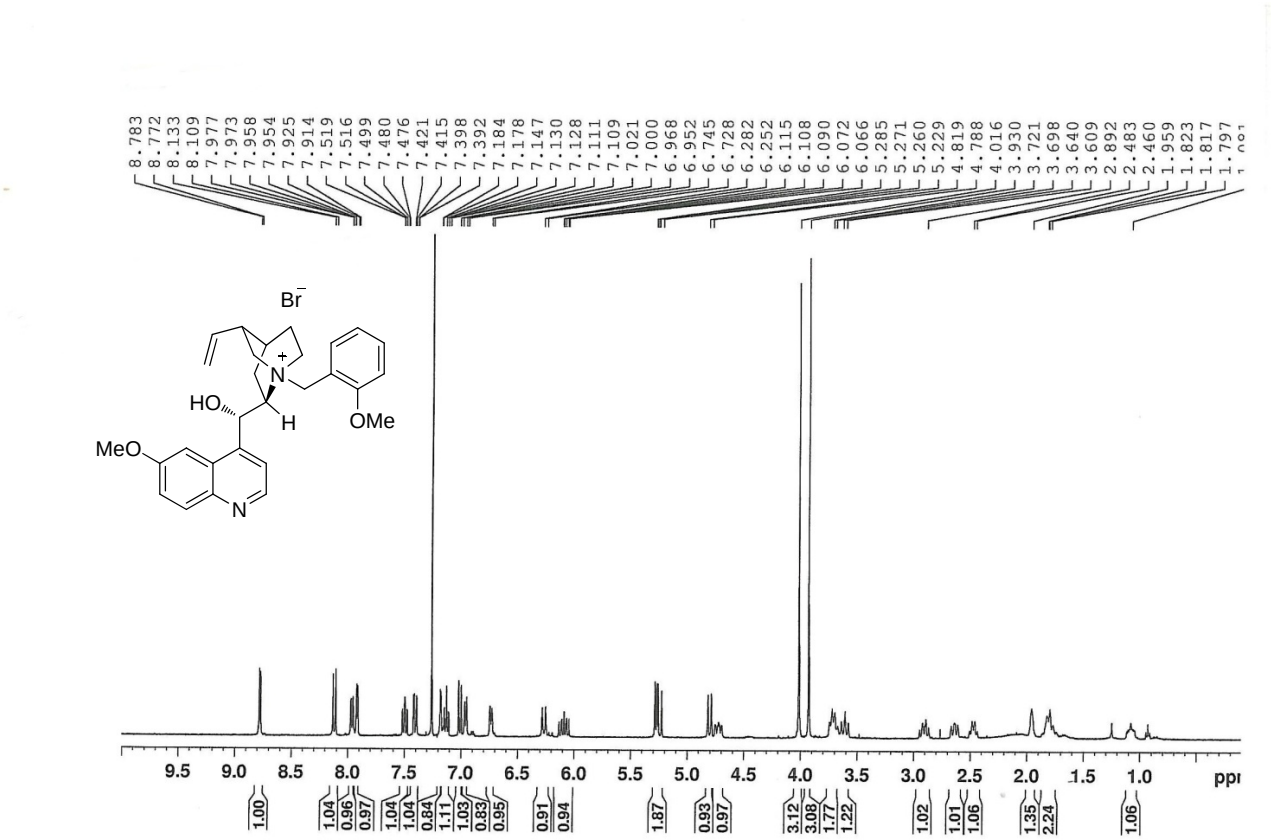
Prepared following general procedure using 3-methyl-4-nitro-5-(oct-1-en-1-yl)isoxazole **1k** (23 mg, 0.10 mmol). Reaction time: 60 h. Column chromatography (Solvents petroleum ether:EtOAc 95:5) afforded **7k** as a colourless oil (36.4 mg, 99% yield). The *ee* of the product was determined by CSP-HPLC using a Chiralpak AD column (*n*-hexane/*i*-PrOH 95:5, flow rate 1.0 mL/min, t_{maj} = 6.26 min, t_{min} = 7.49 min, 84% *ee*); $[\alpha]_D^{20}$ = +7.0 (c = 0.32 in $CHCl_3$); ^{1}H-NMR (400 MHz, $CDCl_3$): 3.83-3.82 (m, 4H), 3.65 (s, 3H), 3.55 (d, *J* = 7.6 Hz, 1H), 2.53 (s, 3H), 1.64-1.58 (m, 2H), 1.49-1.40 (m, 2H), 1.34-1.24 (m, 6H), 0.89-0.85 (m, 3H); ^{13}C-NMR (100.6 MHz): 169.4, 166.8, 166.5, 165.1, 156.0, 54.1, 53.4, 43.2, 41.7, 33.1, 31.7, 28.8, 28.1, 27.2, 22.6, 14.1, 11.7; IR (NaCl) / cm^{-1}: 1750 s, 1526 s; HRMS: *m/z* found $[M-H]^-$ 367.1512, $C_{17}H_{23}N_2O_7$ requires 367.1505.

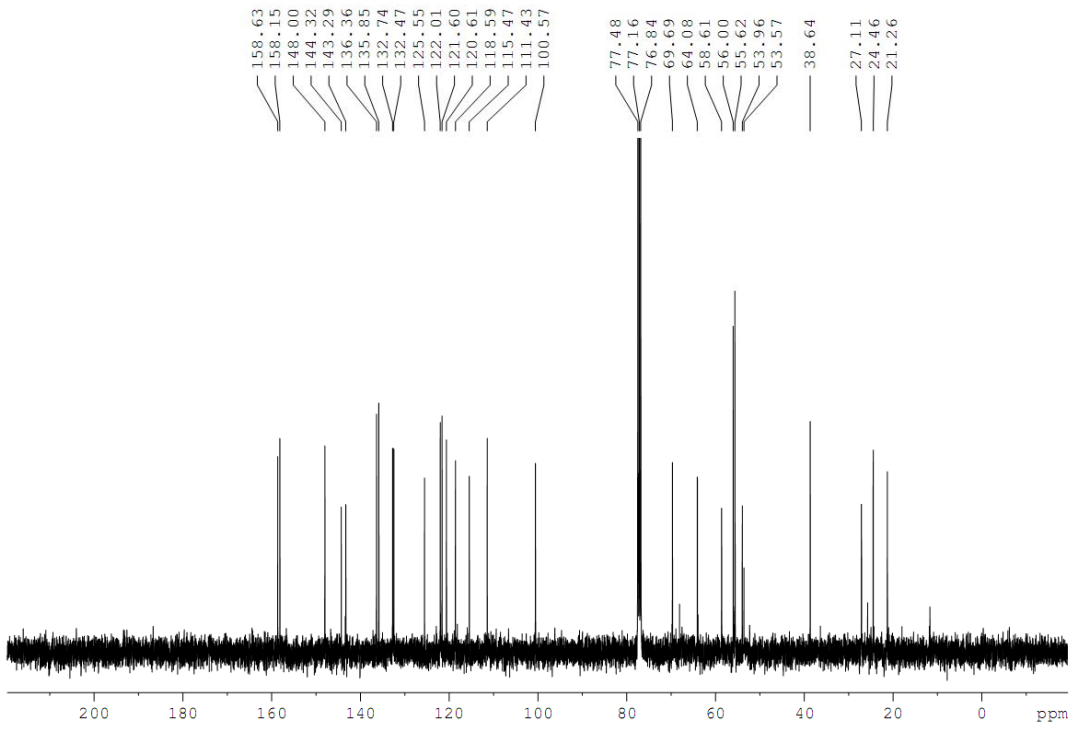
(+)-Dimethyl 2-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-3-(3-methyl-4-nitroisoxazol-5-yl)cyclopropane-1,1-dicarboxylate (7l)

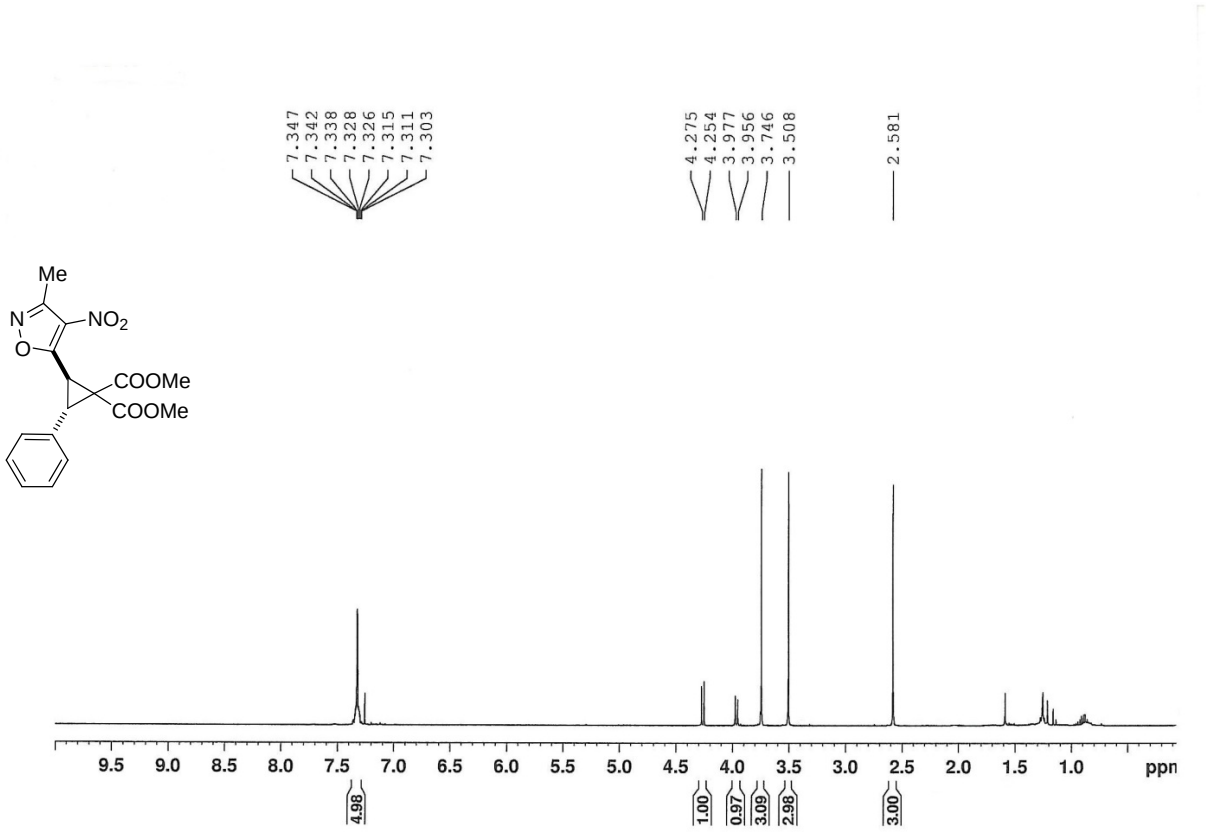


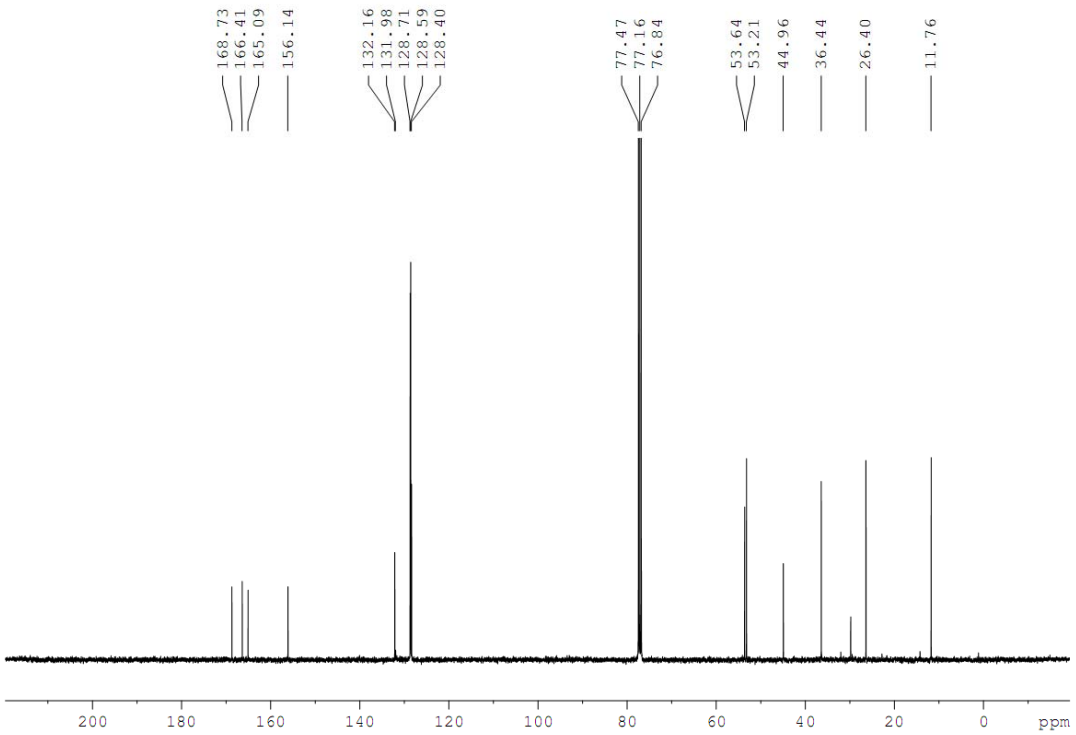
Prepared following general procedure using 5-(2-(2,3-dihydrobenzo[b][1,4]dioxin-5-yl)vinyl)-3-methyl-4-nitroisoxazole **1l** (29 mg, 0.10 mmol). Reaction time: 48 h. Column chromatography (Solvents petroleum ether:EtOAc 8:2) afforded **7l** as a yellow oil (39.8 mg, 95% yield).

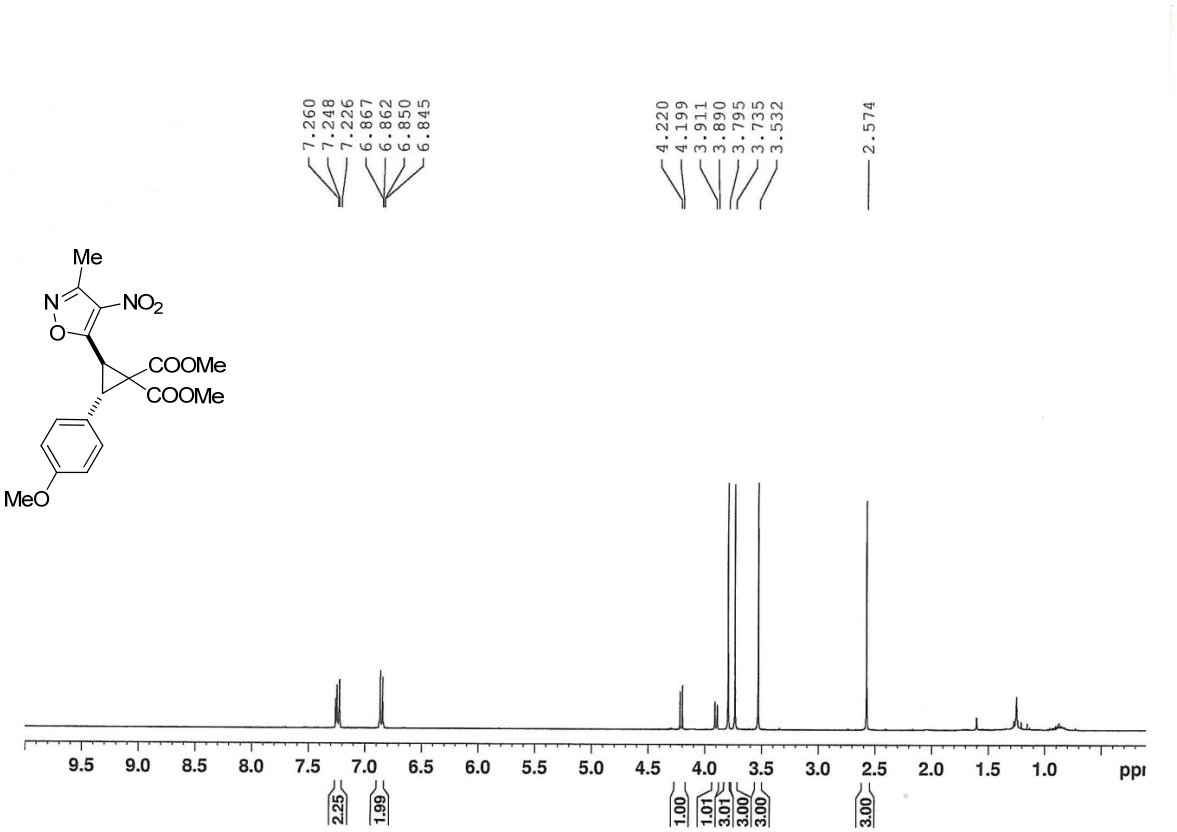
The *ee* of the product was determined by CSP-HPLC using a Chiralpak AD column (*n*-hexane/*i*PrOH 80:20, flow rate 1.0 mL/min, t_{maj} = 18.58 min, t_{min} = 23.14 min, 90% *ee*); $[\alpha]_D^{20}$ = -23 (c = 0.88 in $CHCl_3$); ^{1}H-NMR (400 MHz, $CDCl_3$): 6.82-6.75 (m, 3H), 4.23 (s, 4H), 4.15 (d, *J* = 8.0 Hz, 1H), 3.84 (d, *J* = 8.0 Hz, 1H), 3.72 (s, 3H), 3.58 (s, 3H), 2.56 (s, 3H); ^{13}C-NMR (100.6 MHz): 168.8, 166.4, 165.2, 156.1, 143.7, 143.6, 125.4, 125.2, 121.5, 117.6, 117.5, 64.4, 64.4, 53.6, 53.3, 44.9, 36.0, 26.7, 11.7; IR (NaCl) / cm^{-1}: 1742 s, 1522 s; HRMS: *m/z* found $[M+H]^+$ 419.1078, $C_{19}H_{19}N_2O_9$ requires 419.1091.

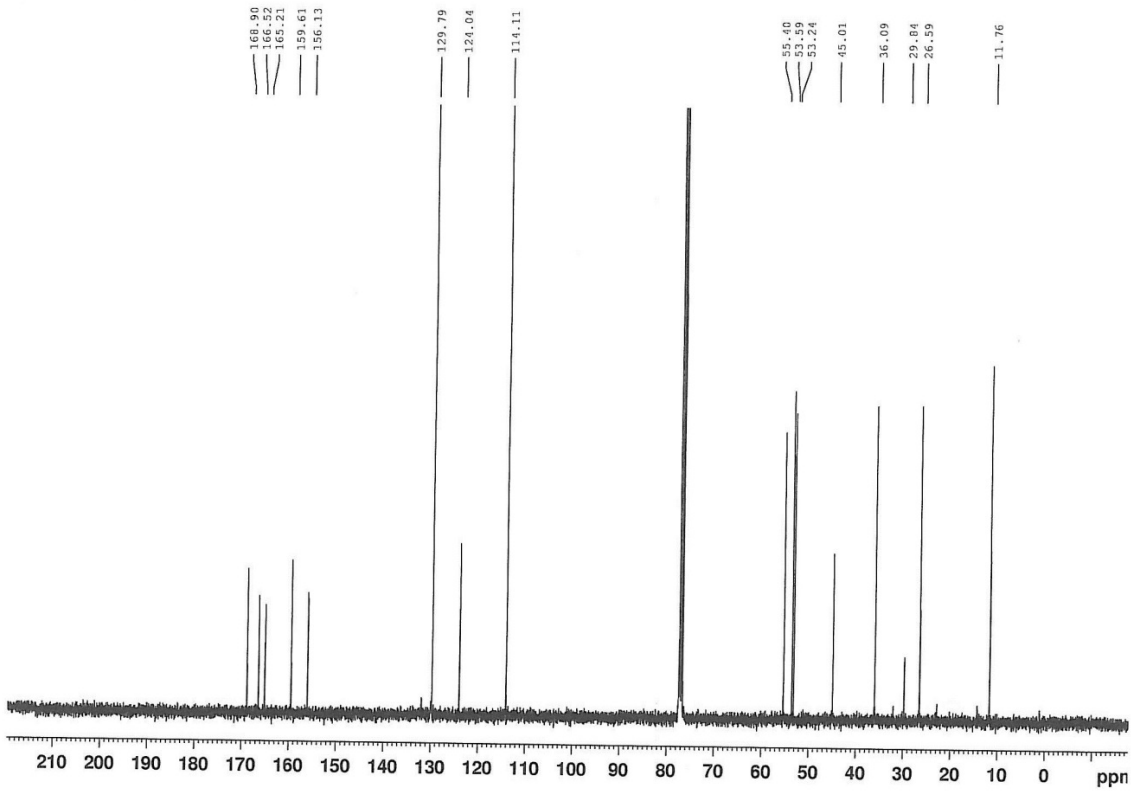


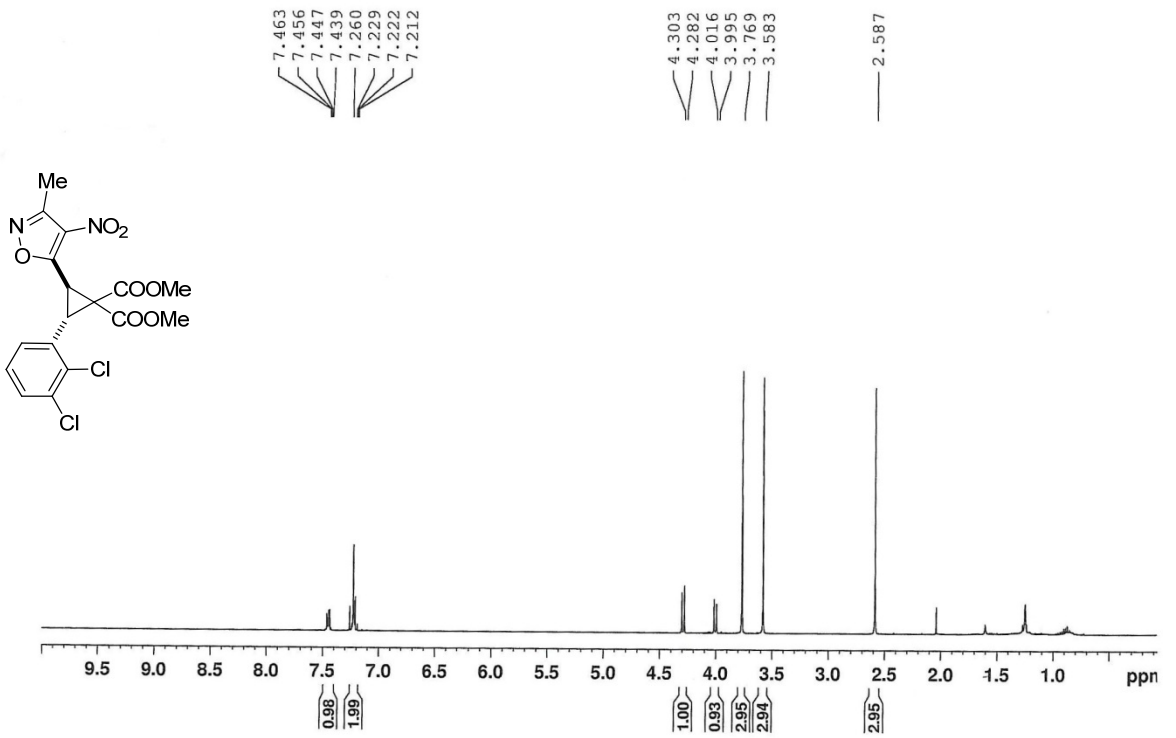


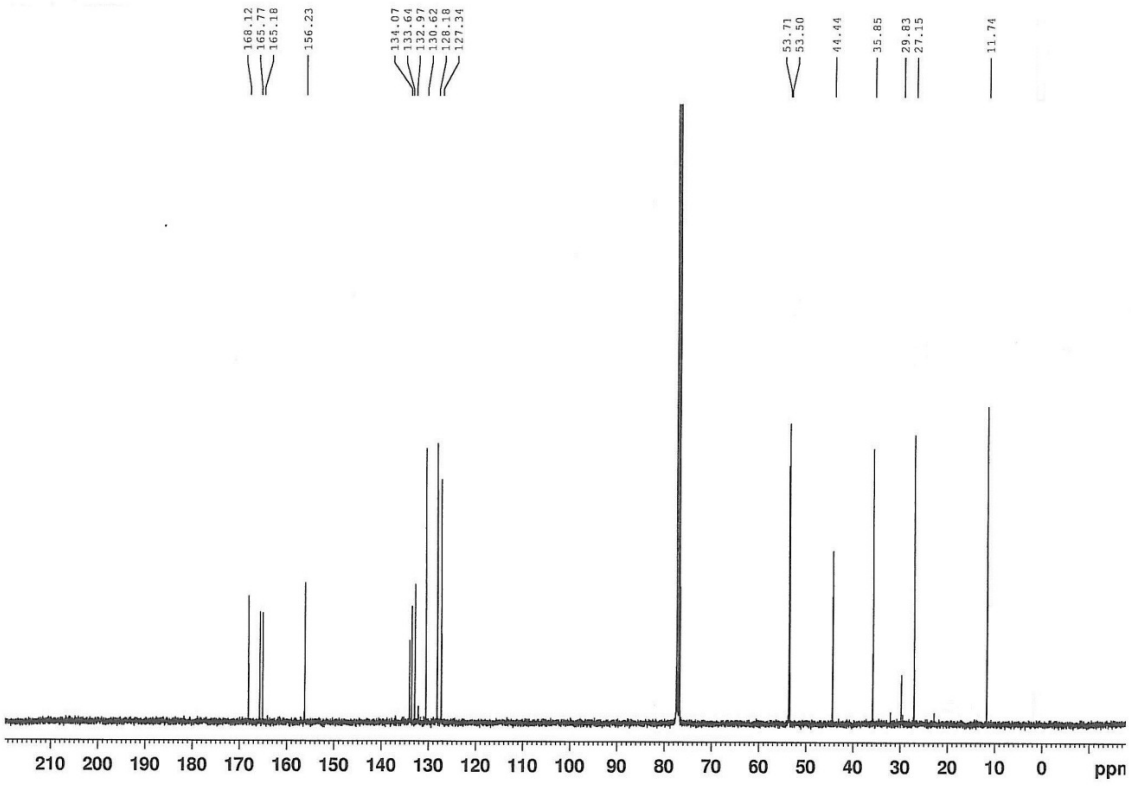


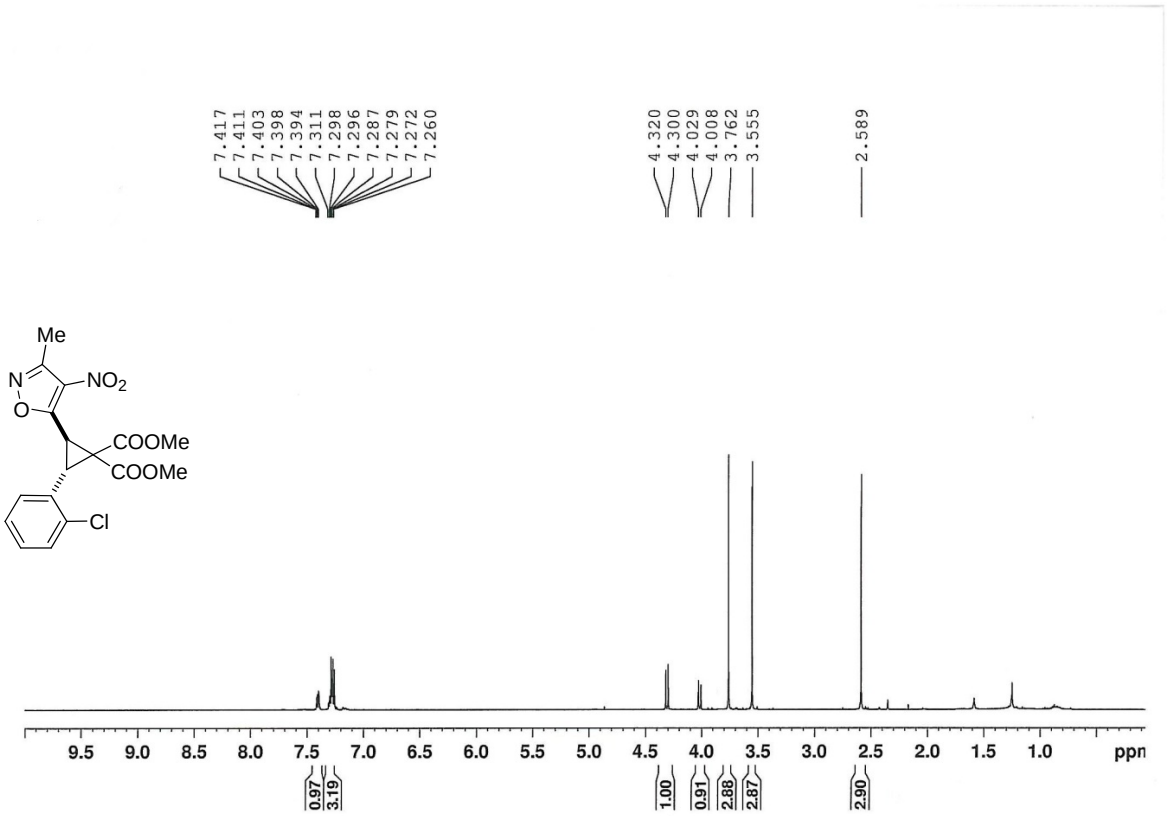


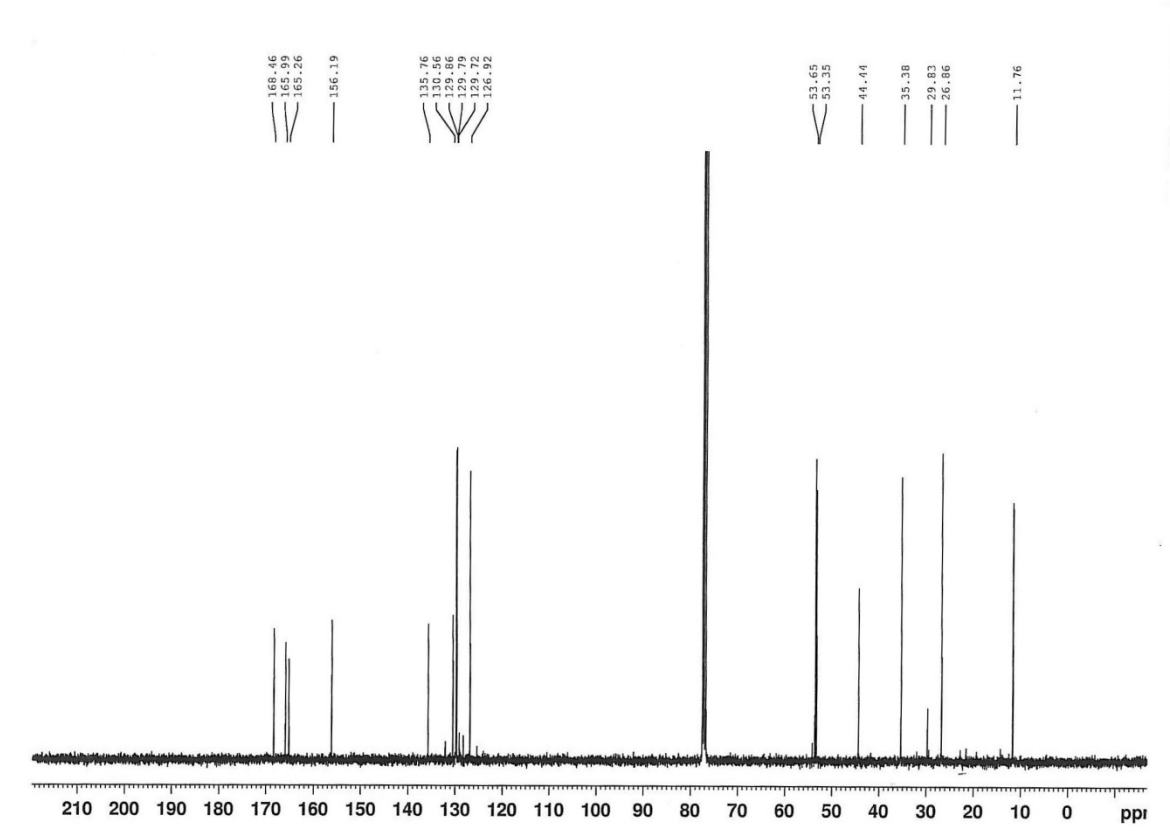


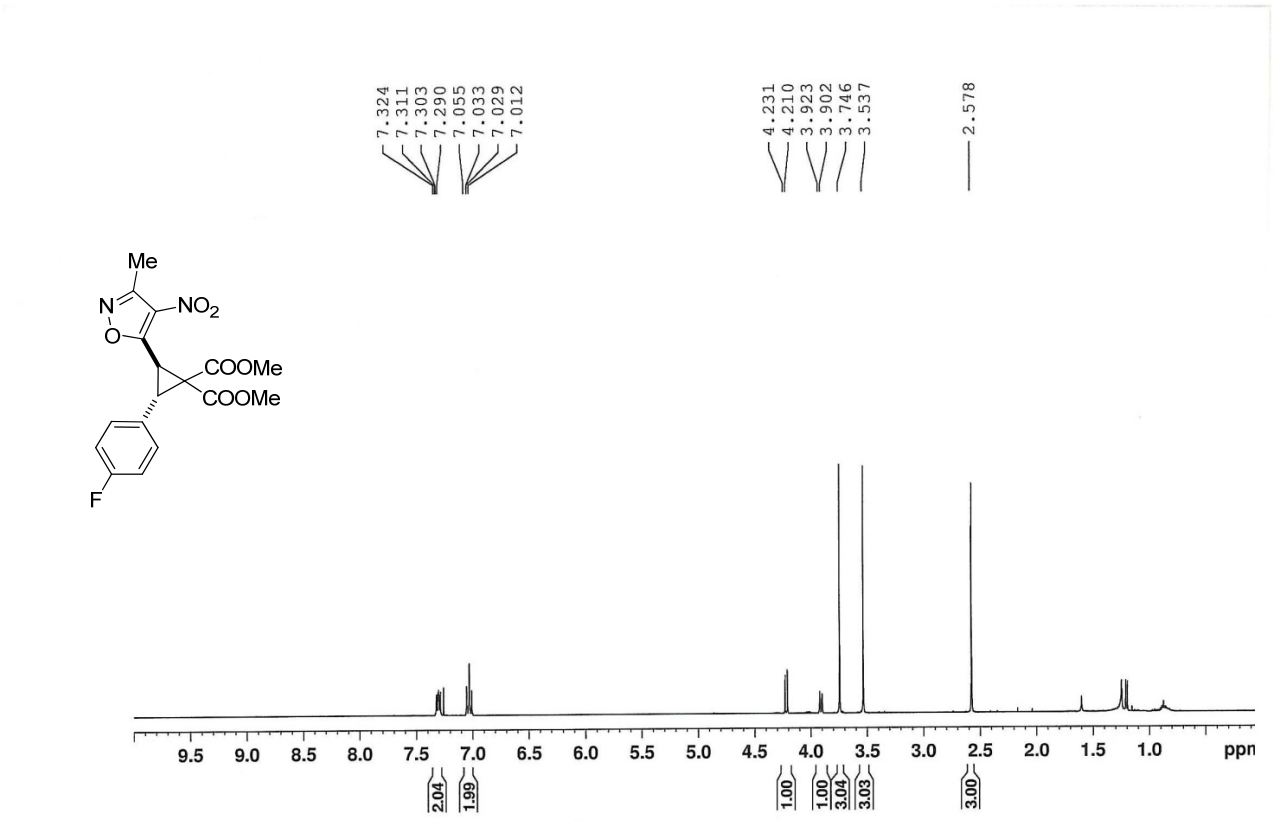


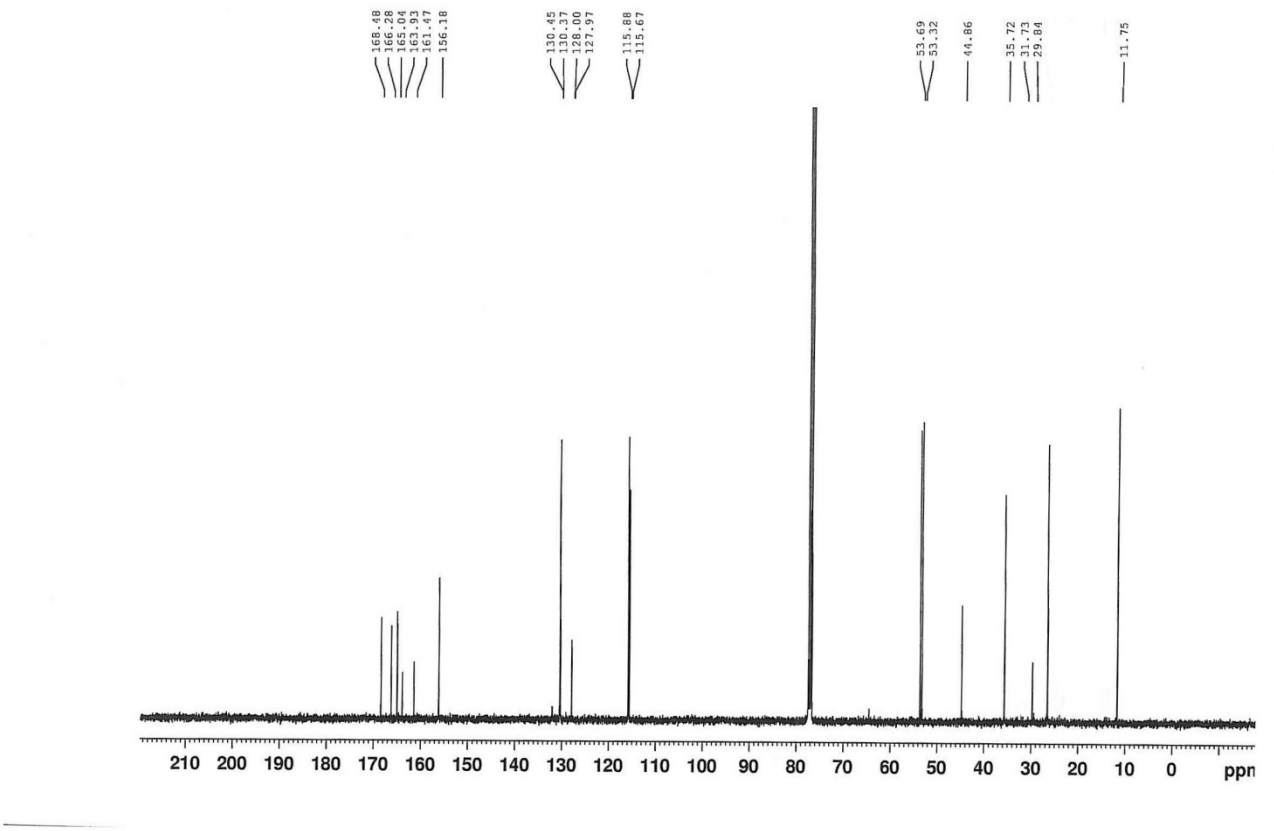


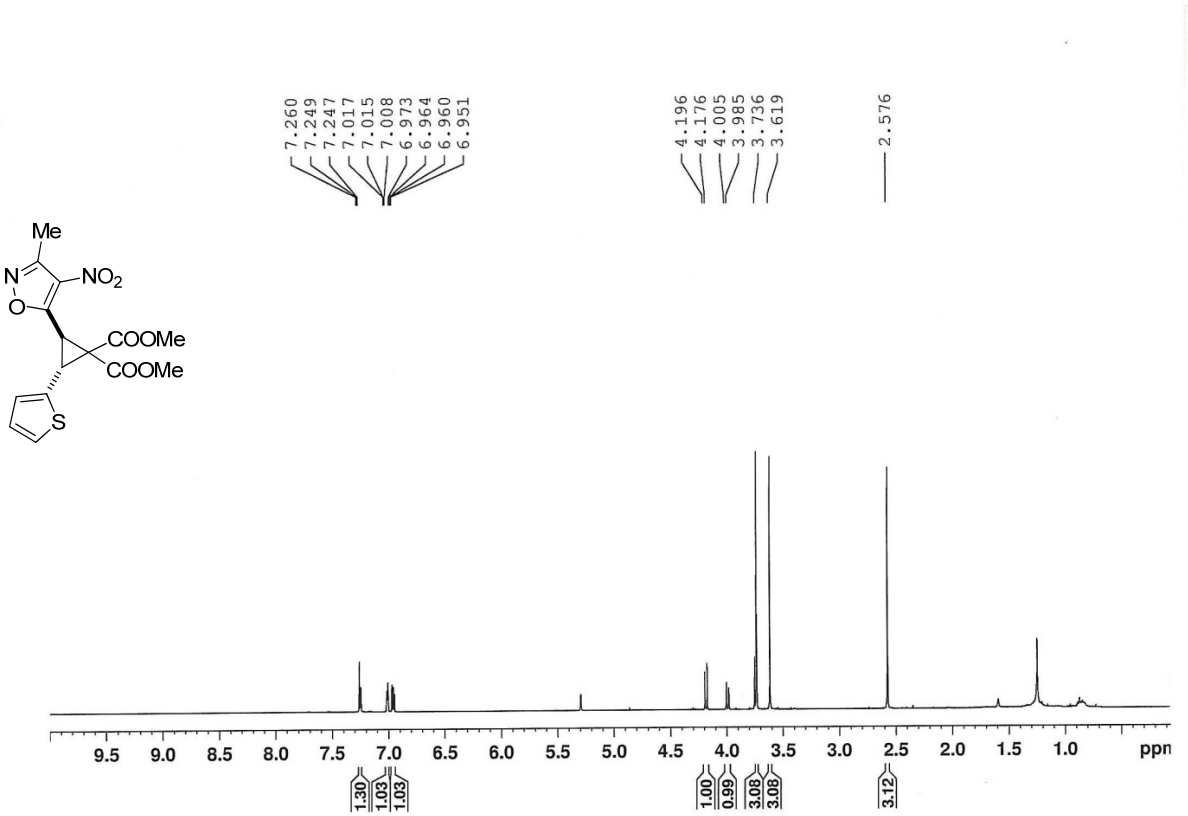








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7.247
7.017
7.015
7.008
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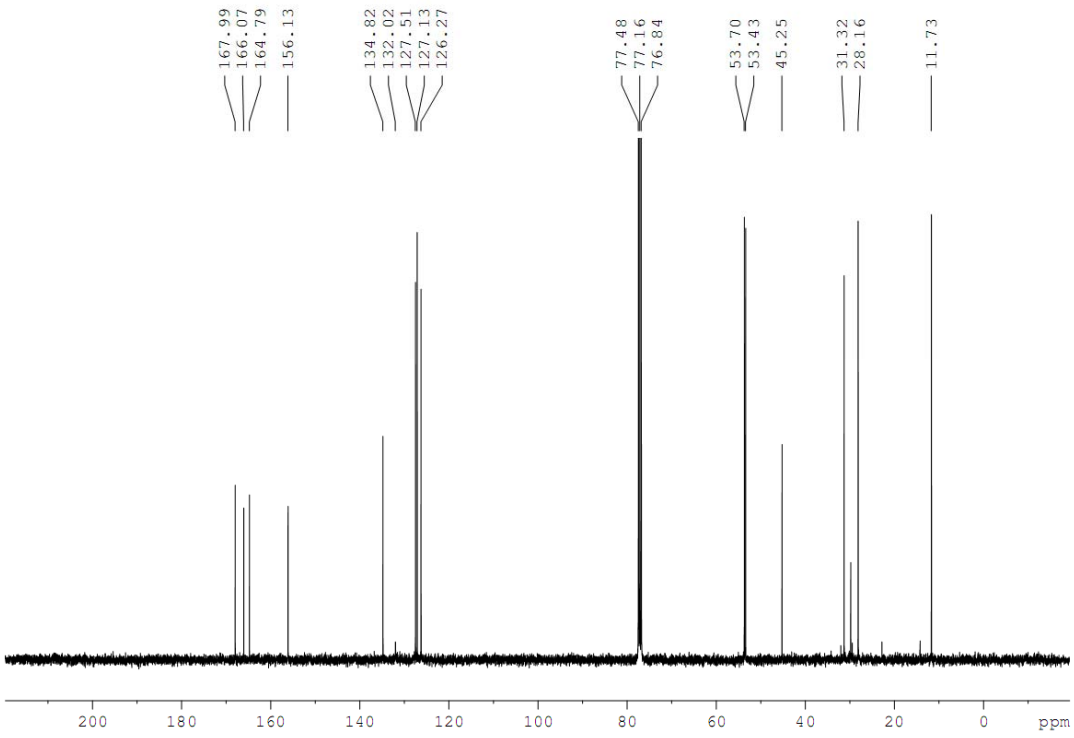
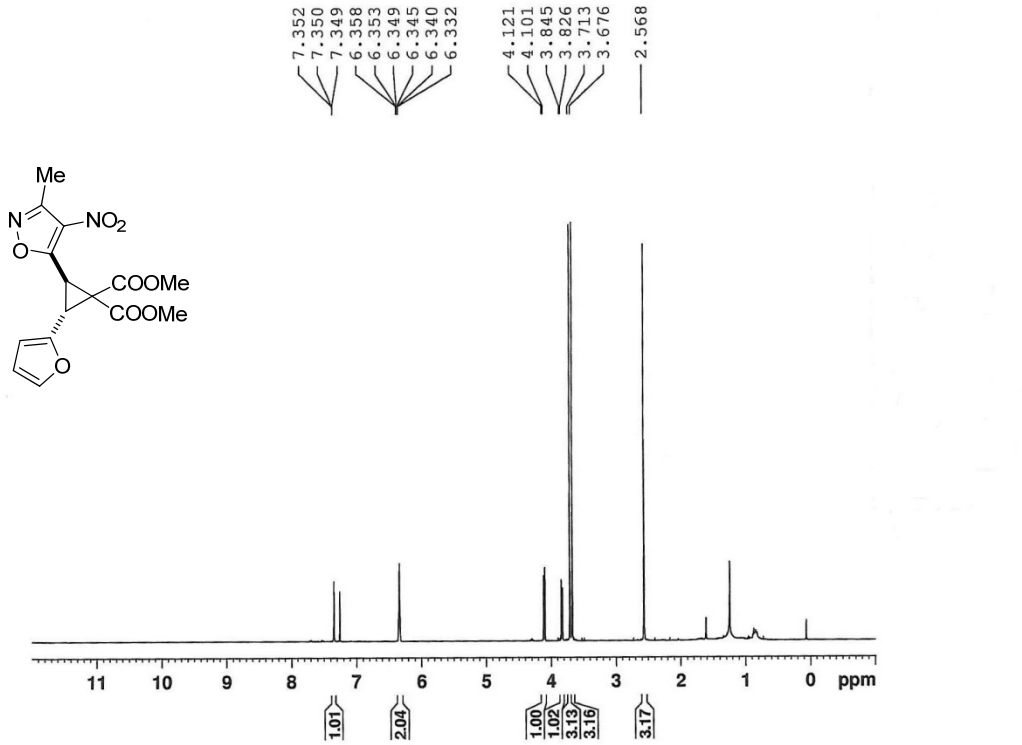
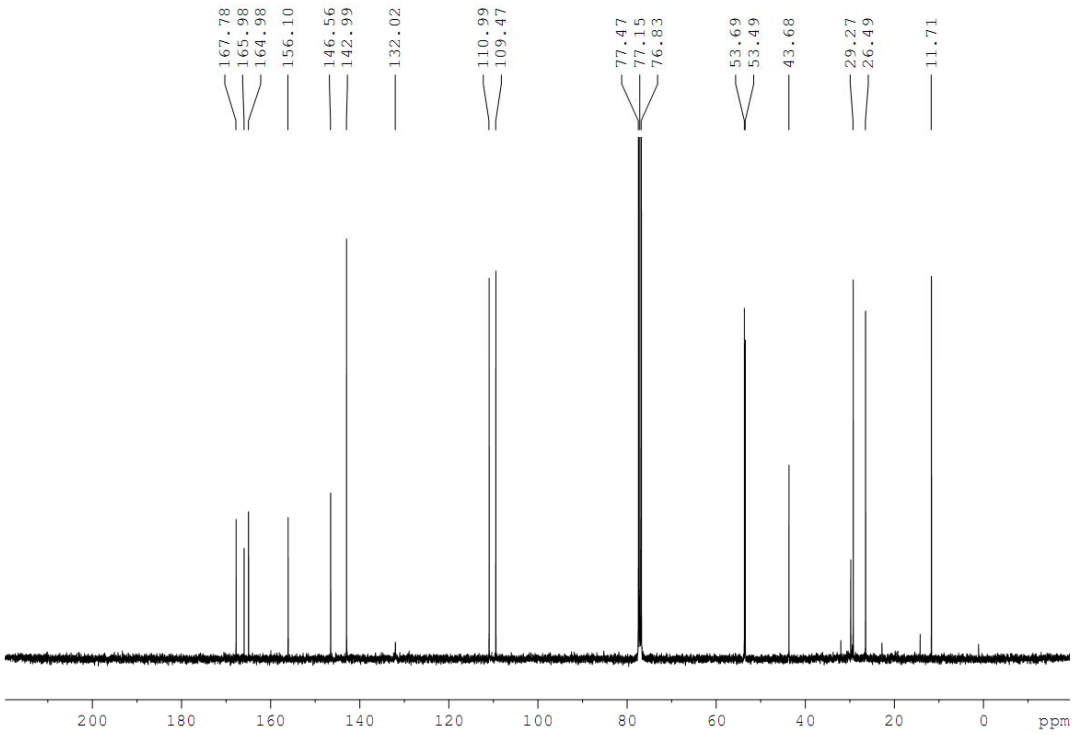
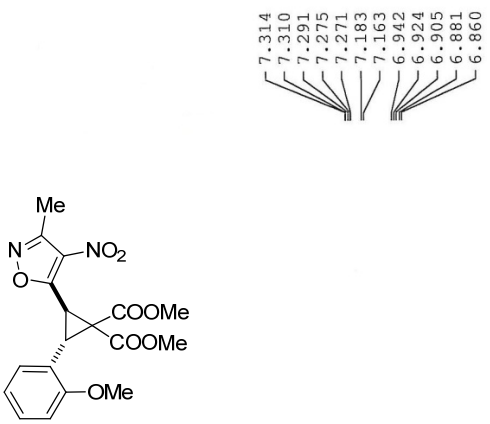
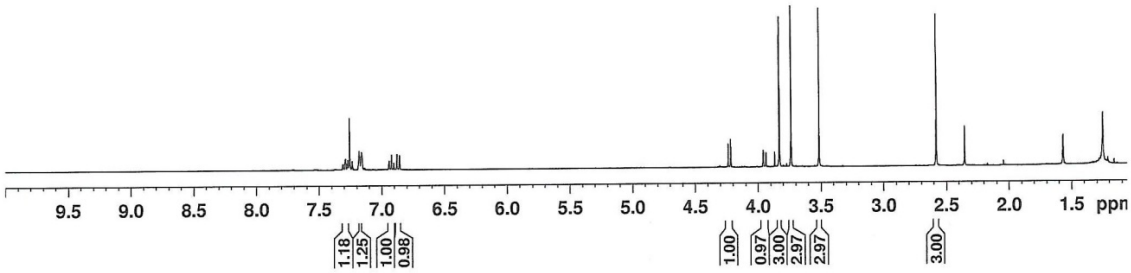
6.964
6.960
6.951
4.196
4.176
4.005
3.985
3.736
3.619
2.576
Me
N
O
NO2
COOMe
COOMe
S
9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 ppm
1.30
1.03
1.03
1.00
0.99
3.08
3.08
3.12

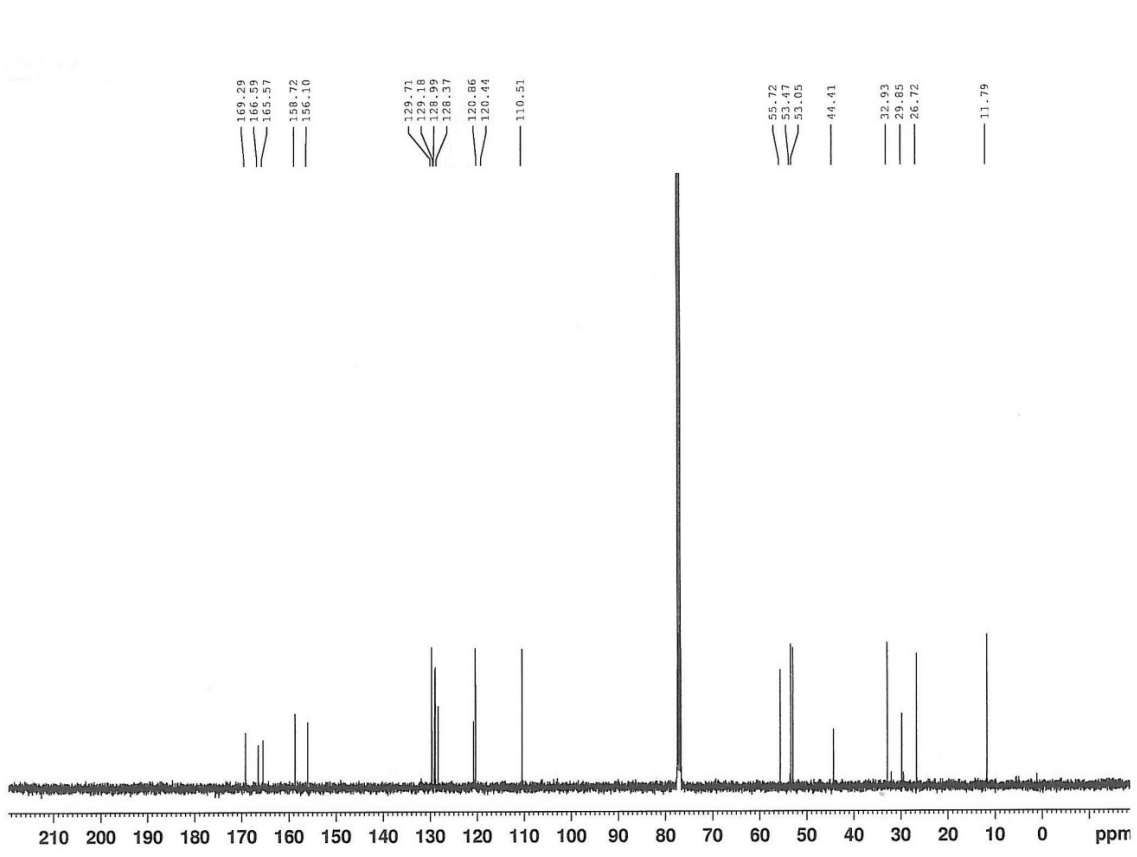

167.99
166.07
164.79
156.13
134.82
132.02
127.51
127.13
126.27
77.48
77.16
76.84
53.70
53.43
45.25
31.32
28.16
11.73
200 180 160 140 120 100 80 60 40 20 0 ppm

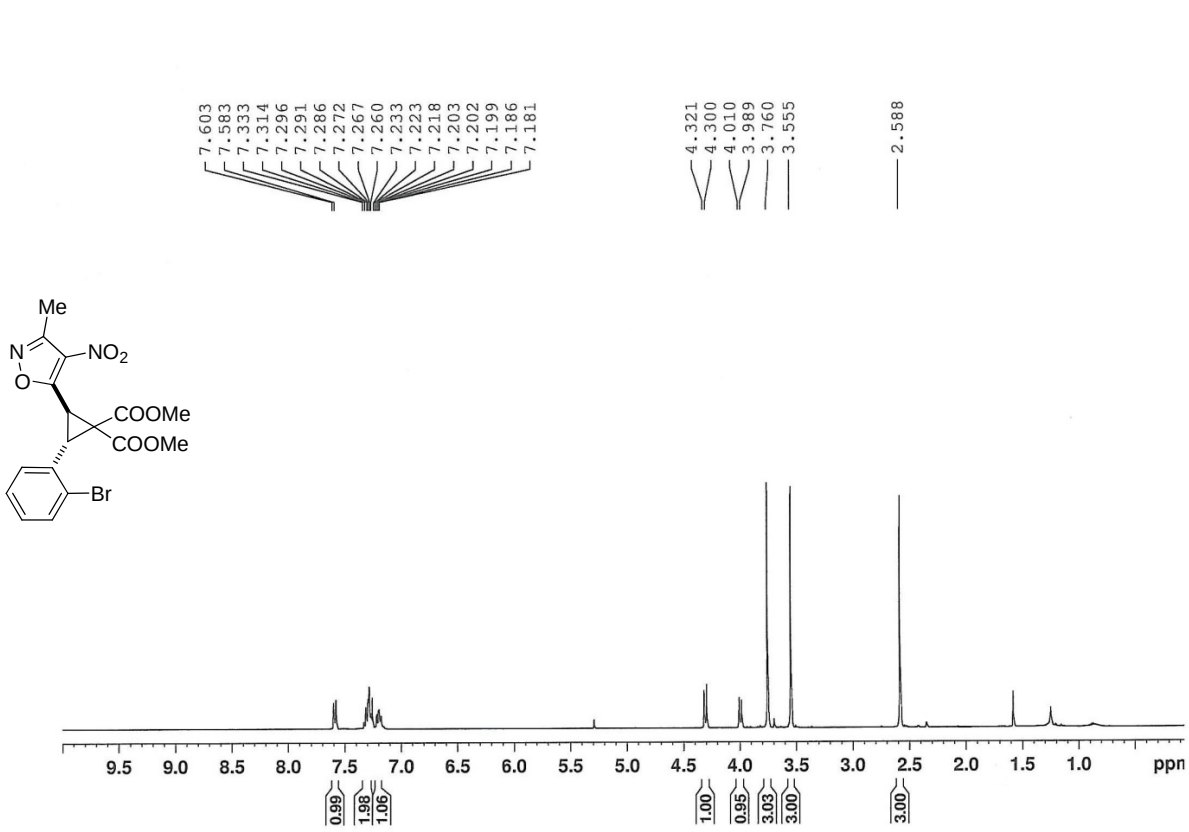


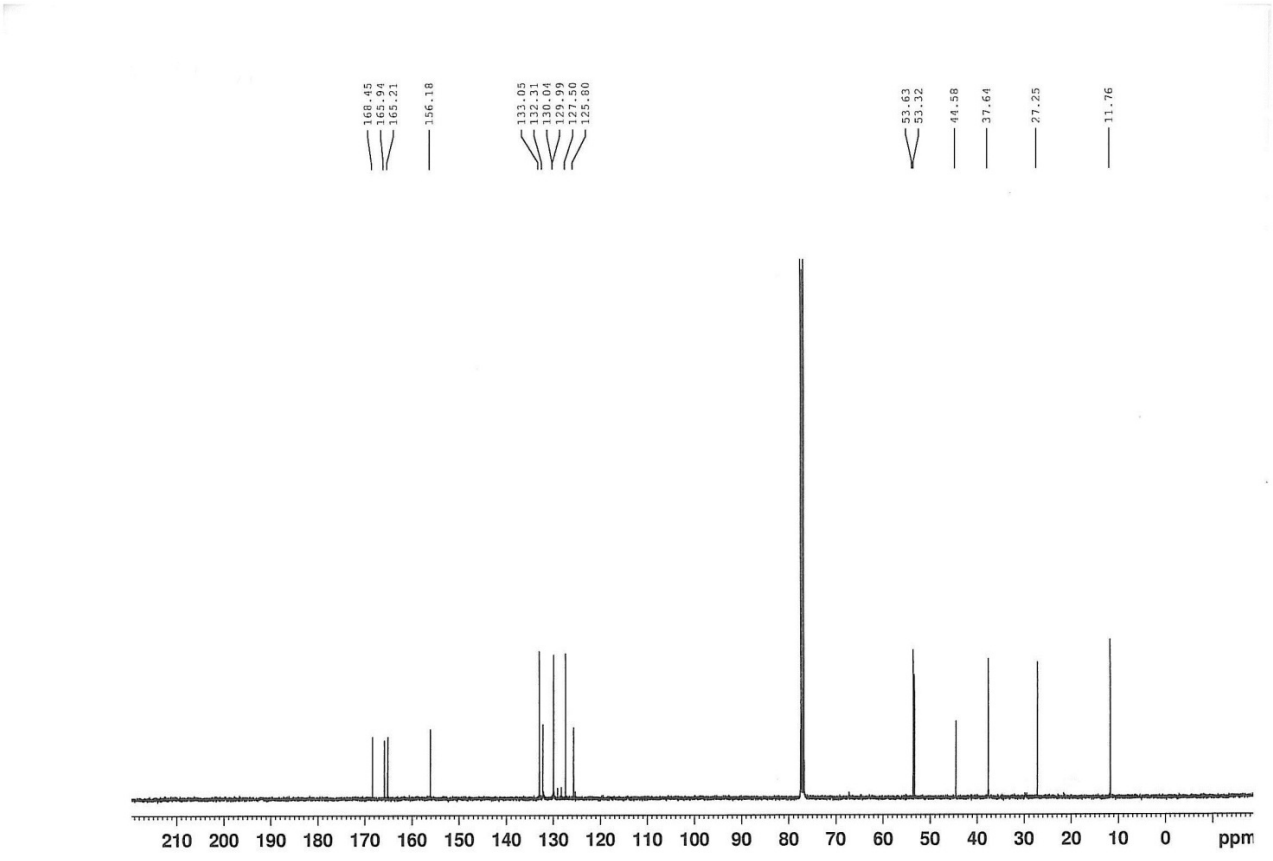


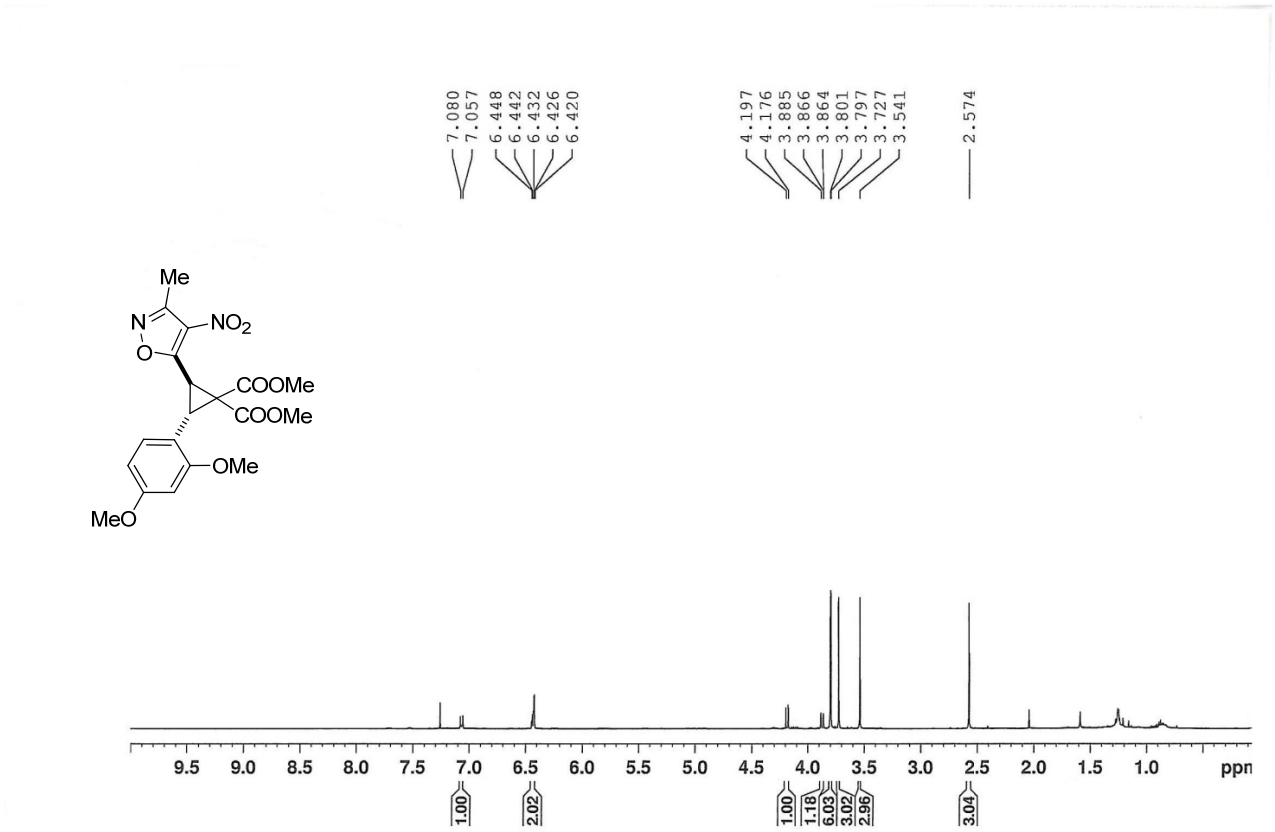


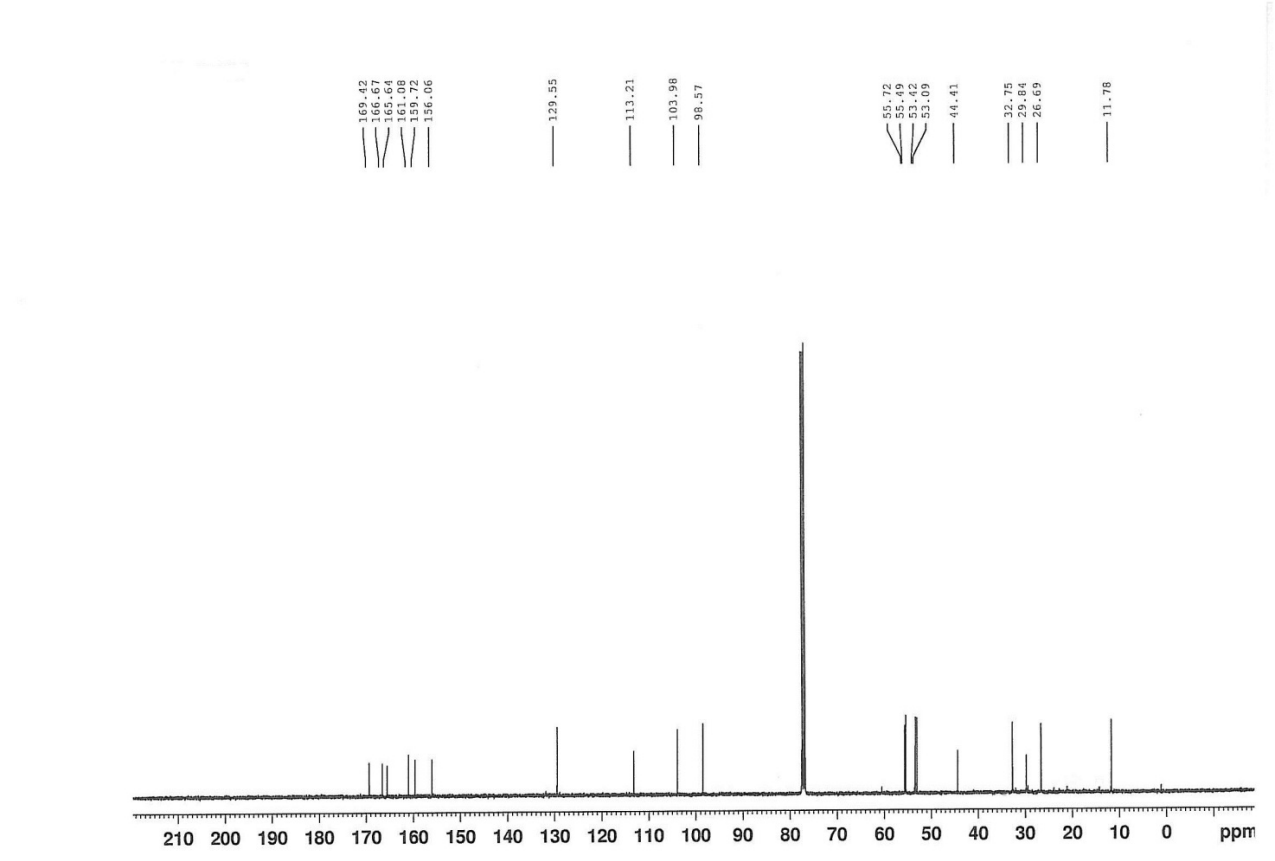


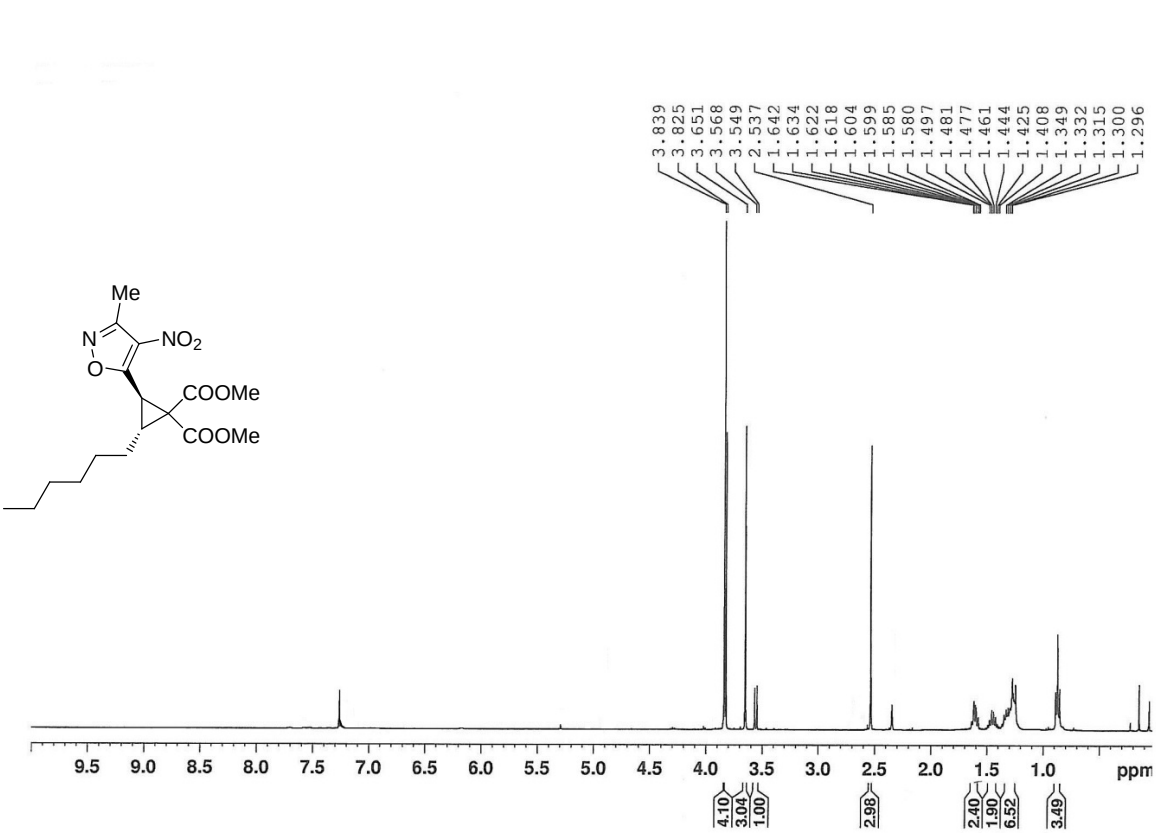


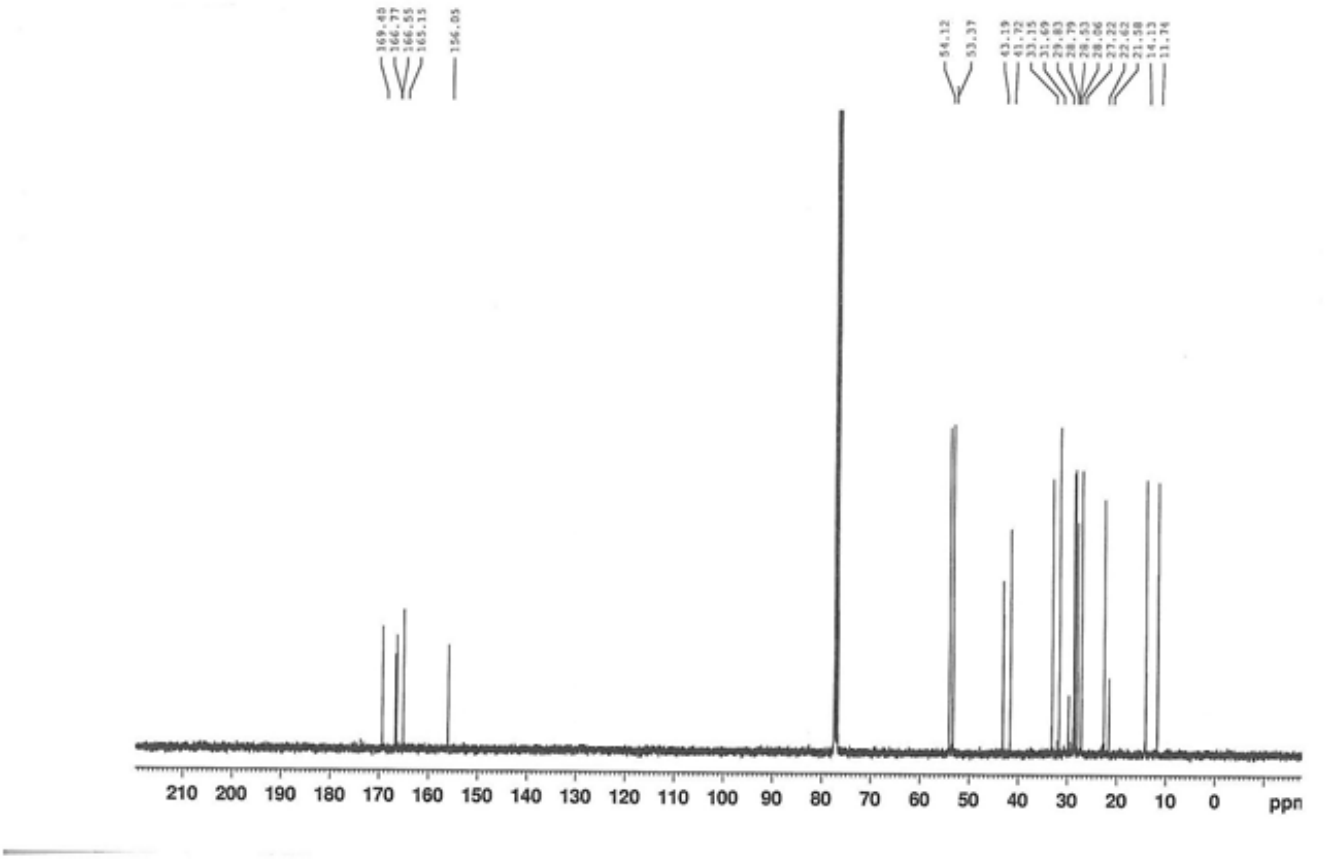


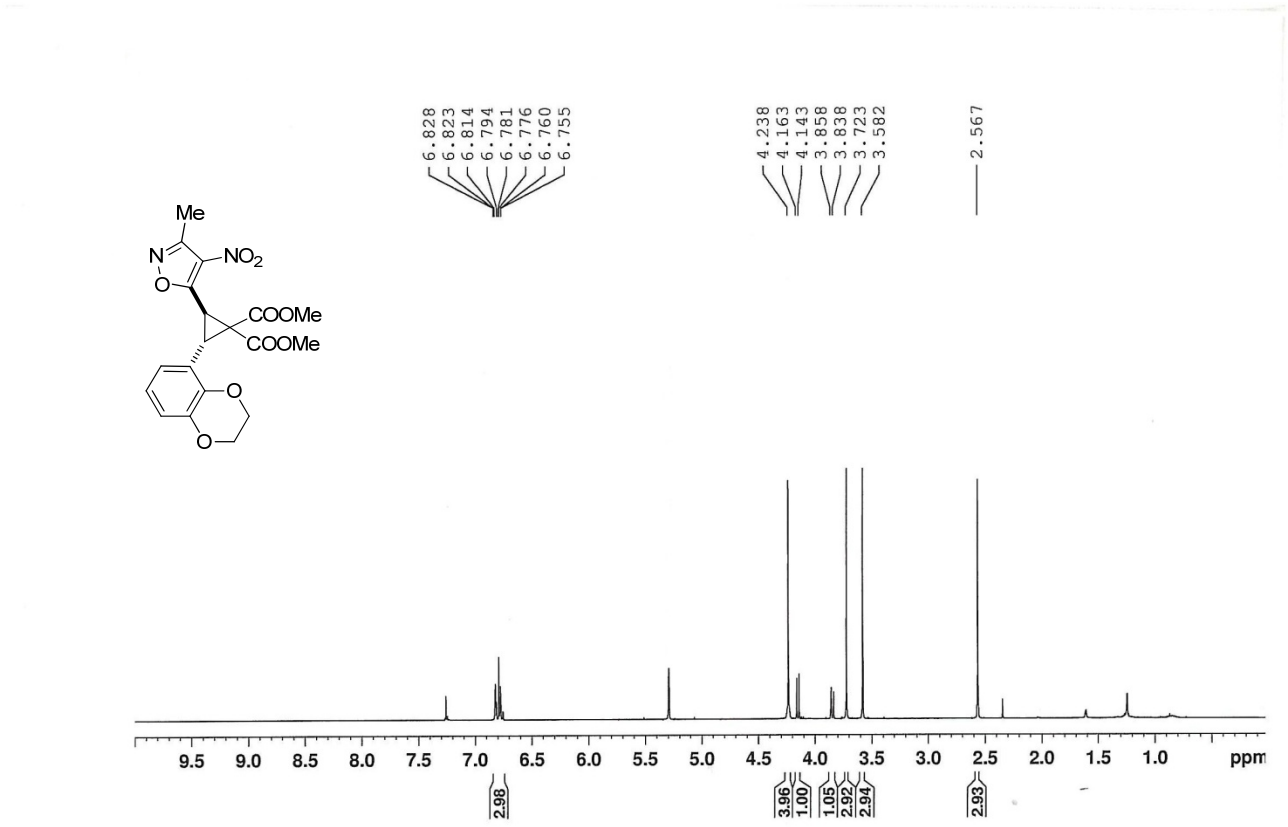


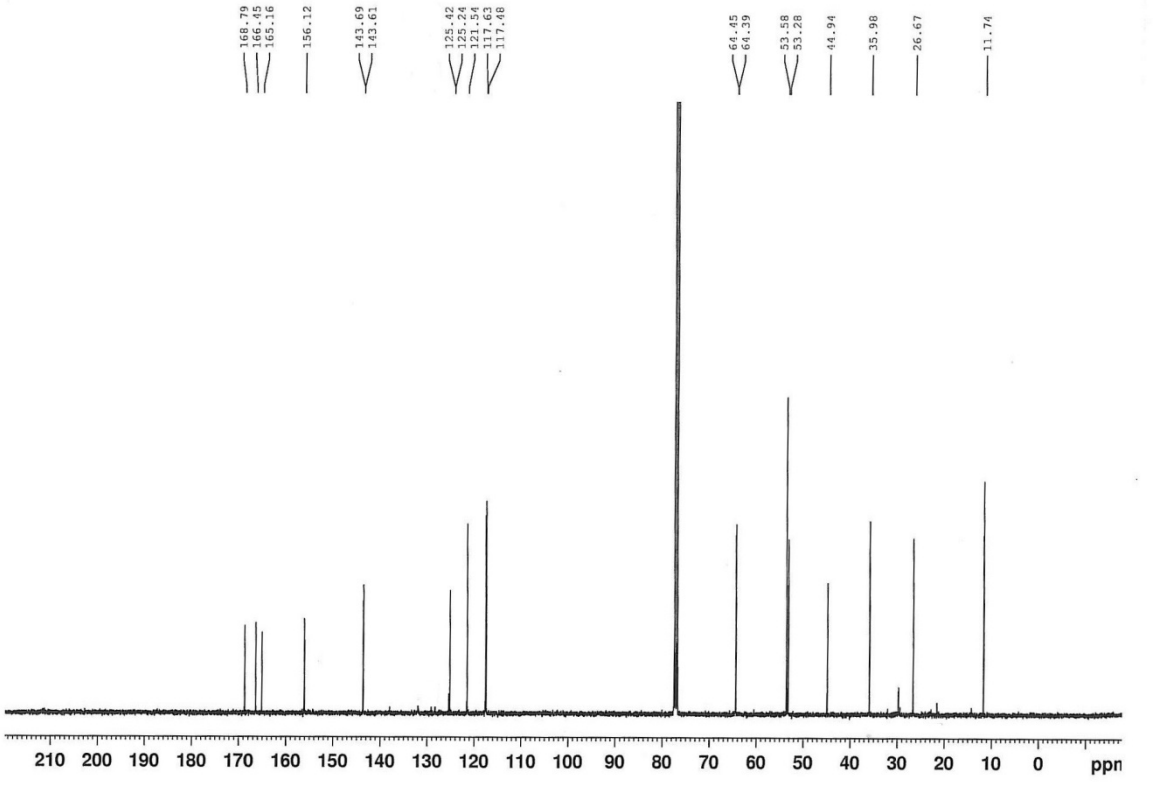








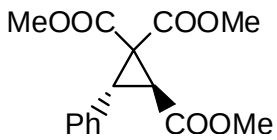




General procedure for the oxidation and successive methylation with trimethylsilyl diazomethane of cyclopropanes 7a and 7b.

To a solution of cyclopropane **7 (a, b)** (0.1 mmol) in THF (1.0 mL) was added dropwise a solution of $KMnO_4$ in H_2O : Acetone (3.5 :1). The reaction mixture was stirred for 1 h at room temperature and then a Na_2SO_3 saturated solution (10 mL) was added to destroy the excess of $KMnO_4$: the formation of a brown precipitate was observed (MnO_2). The mixture was then acidified with HCl 6 M until pH = 3. At this point it was noted that the solution became clear. The mixture was then extracted with DCM (3 x 1mL) and the combined organic phases were evaporated. The crude (assumed 0.1 mmol) was then dissolved in diethyl ether : MeOH (9 : 1, 1 mL) and treated with trimethylsilyl diazomethane (0.6 mmol, 95 µl) added drop-wise until the formation of bubbles ceased. The mixture was filtered through a small silica plug end evaporated. The product was then purified by chromatography on silica gel using dichloromethane as the eluent.

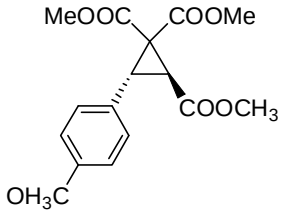
(+)-Trimethyl 3-phenylcyclopropane-1,1,2-tricarboxylate 8a.



Following the general procedure compound **8a** was obtained as a pale yellow oil (18 mg, 60% for two steps). The *ee* of the product was determined by HPLC using a Chiralpak AD column (*n*-hexane/*i*PrOH 80:20, flow rate 1.0 mL/min, t_{maj} = 8.76 min, t_{min} = 5.77 min, 85% *ee*); ^{1}H-NMR (400 MHz, CDCl3): 7.18 (m, 5H), 3.71 (s, 3H), 3.66 (s, 3H), 3.54 (d, *J* = 7.6 Hz, 1H), 3.38 (s, 3H), 3.15 (d, *J* = 7.6 Hz, 1H); ^{13}C-NMR (100.6 MHz): 169.68, 166.58, 165.75, 132.92, 128.67, 128.49, 127.93, 53.32, 53.02,

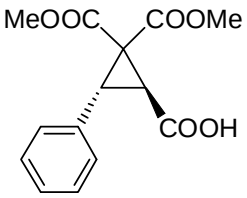
52.75, 44.18, 36.22, 31.05; ***m/z*** found $[M+H]^+$ 293.112, $C_{15}H_{17}O_6$ requires 293.1025.

(+)-trimethyl 3-(4-methoxyphenyl)cyclopropane-1,1,2-tricarboxylate 8b.

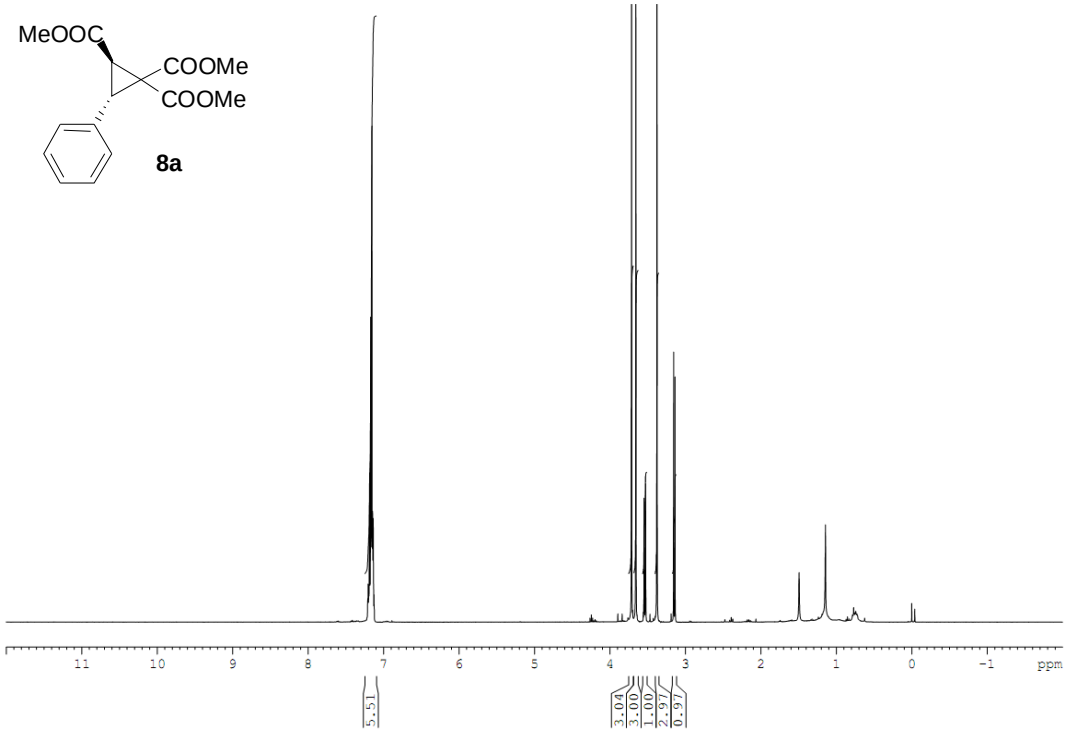


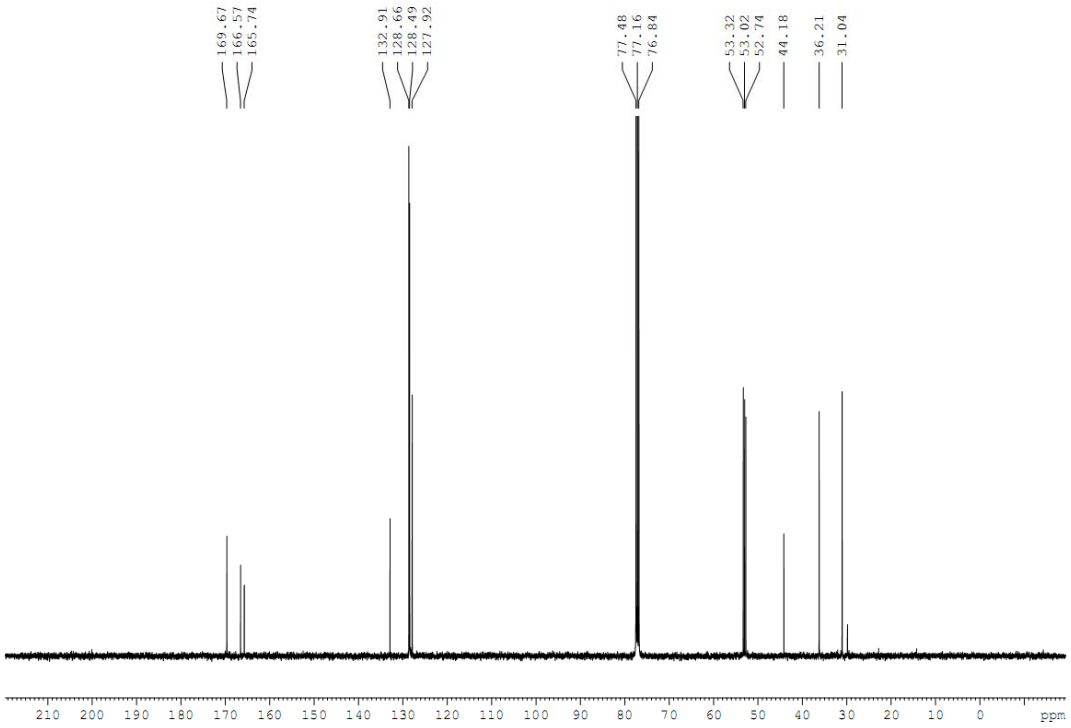
Following the general procedure compound **8b** was obtained as a pale yellow oil (20 mg, 62% for two steps). The ***ee*** of the product was determined by HPLC using a Chiralpak AD column (***n***-hexane/***i***PrOH 80:20, flow rate 1.0 mL/min, t_{maj} = 20.64 min, t_{min} = 8.66 min, 87% ***ee***); ^{1}H-NMR (400 MHz, CDCl3): 7.17 (d, ***J*** = 8.4 Hz, 2H), 6.8 (d, ***J*** = 8.4 Hz, 2H), 3.81 (s, 3H), 3.78 (s, 3H), 3.75 (s, 3H), 3.58 (d, ***J*** = 7.6 Hz, 1H), 3.50 (s, 3H), 3.21 (d, ***J*** = 7.6 Hz, 1H); ^{13}C-NMR (100.6 MHz): 169.74, 166.66, 165.82, 159.21, 129.77, 124.77, 113.86, 55.34, 53.28, 53.05, 52.72, 44.21, 35.74, 31.20; ***m/z*** found $[M+H]^+$ 323.1102, $C_{16}H_{19}O_7$ requires 323.1131.

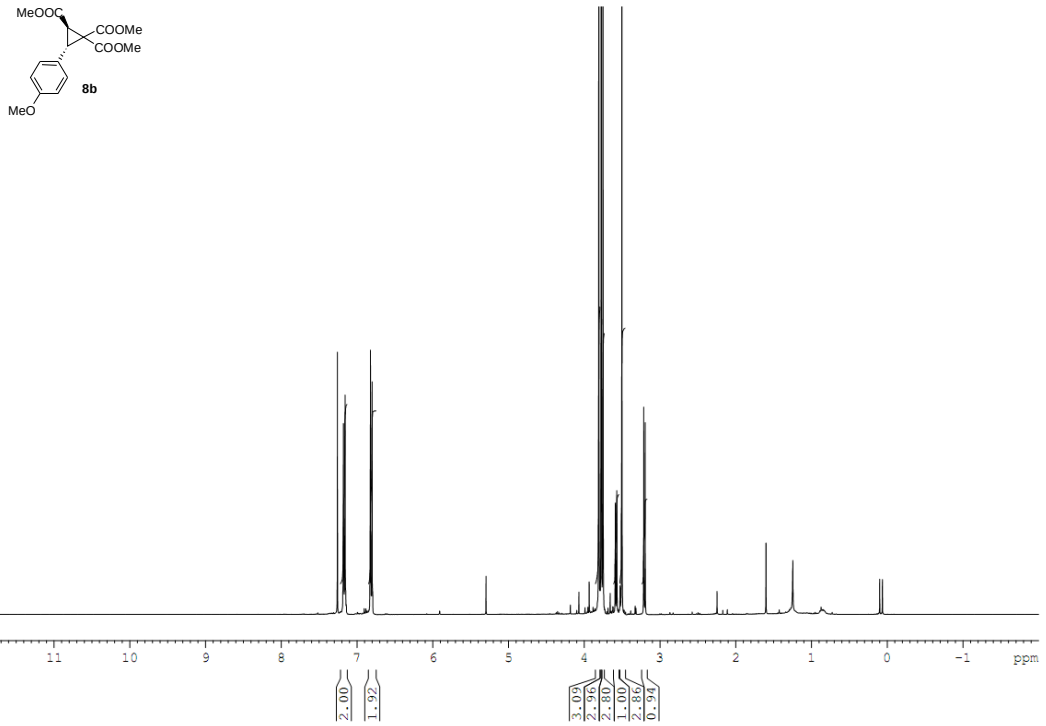
(+)-3-Phenyl-cyclopropane-1,1,2-tricarboxylic acid dimethyl ester 10.

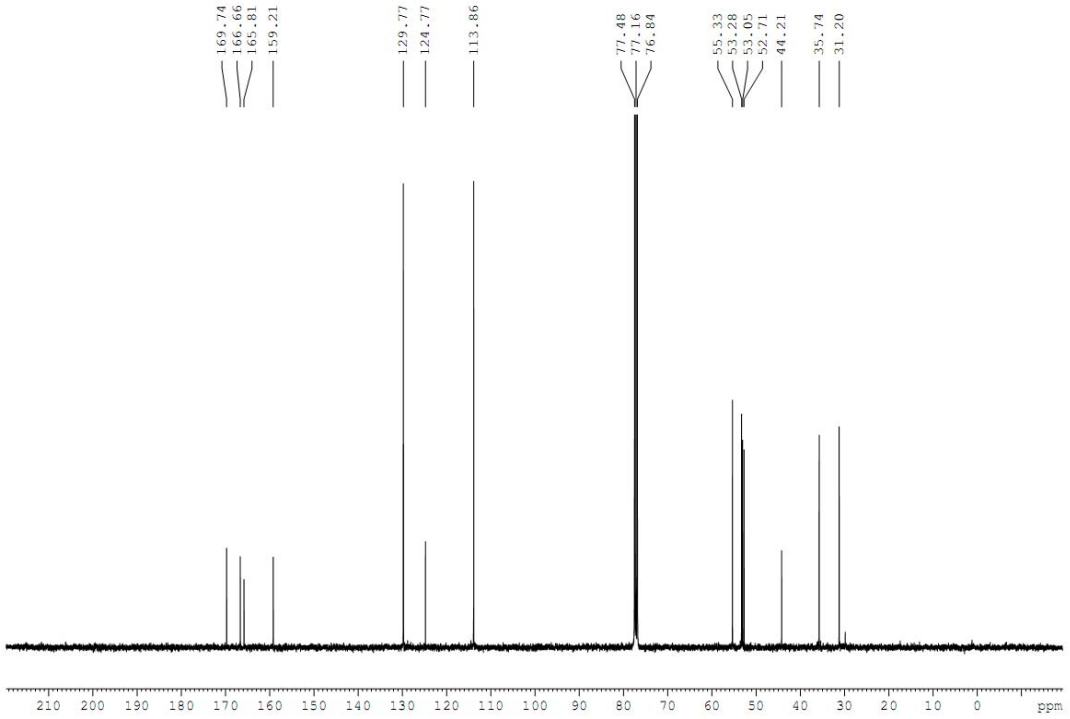


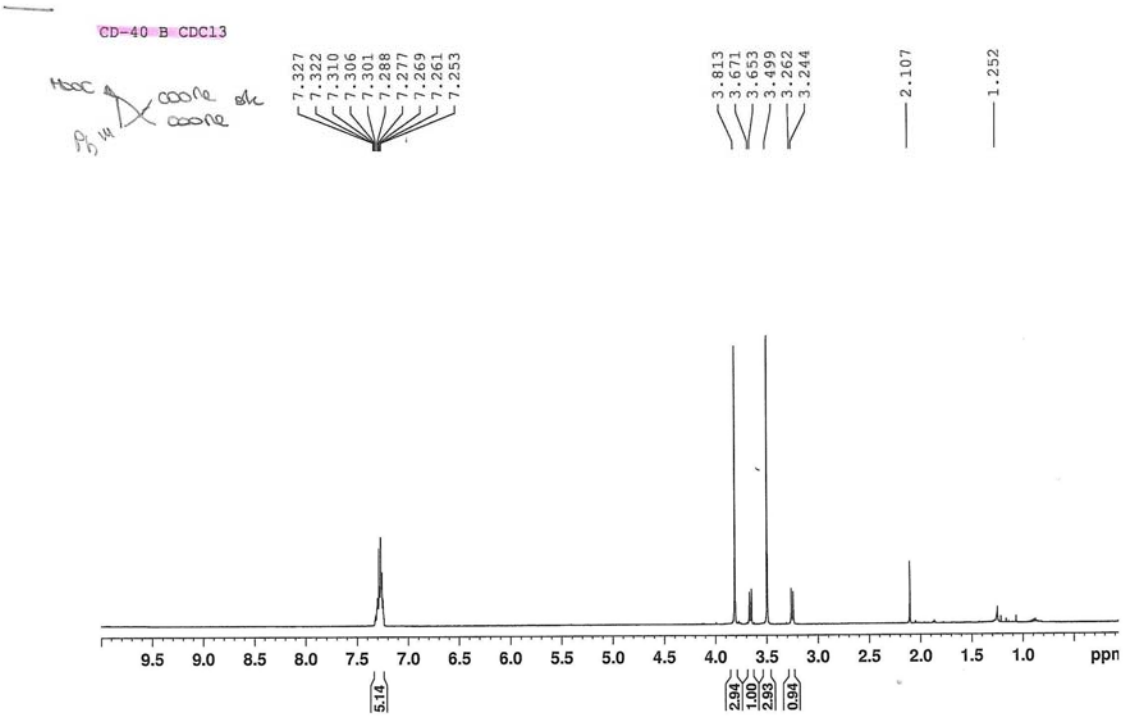
^{1}H-NMR (400 MHz, CDCl3): 7.33-7.25 (m, 5H), 3.81 (s, 3H), 3.66 (d, ***J*** = 7.2, 1H), 3.50 (s, 3H), 3.25 (d, ***J*** = 7.2, 1H), ^{13}C-NMR (100.6 MHz): 174.9, 166.3, 165.5, 132.6, 128.7, 128.6, 128.1, 53.4, 53.1, 44.7, 36.6, 30.8; ***m/z*** found $[M+H]^+$ 279.0894, $C_{14}H_{15}O_6$ requires 279.0869.

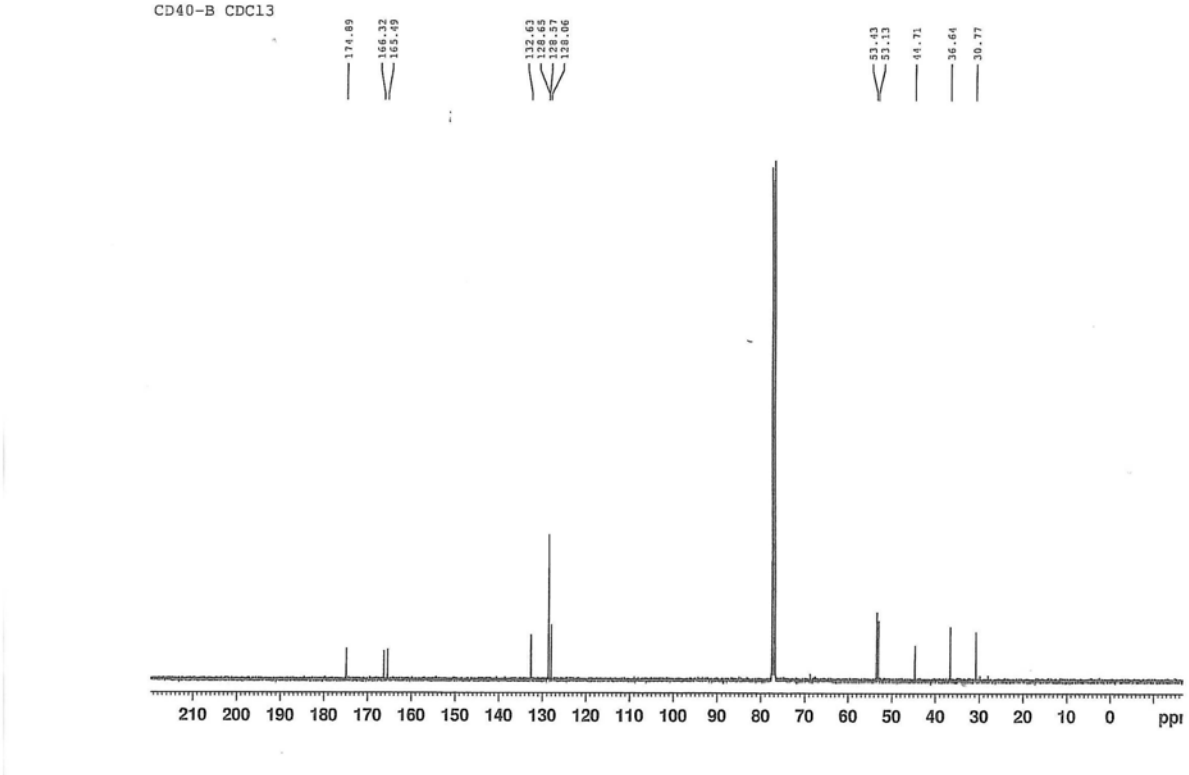




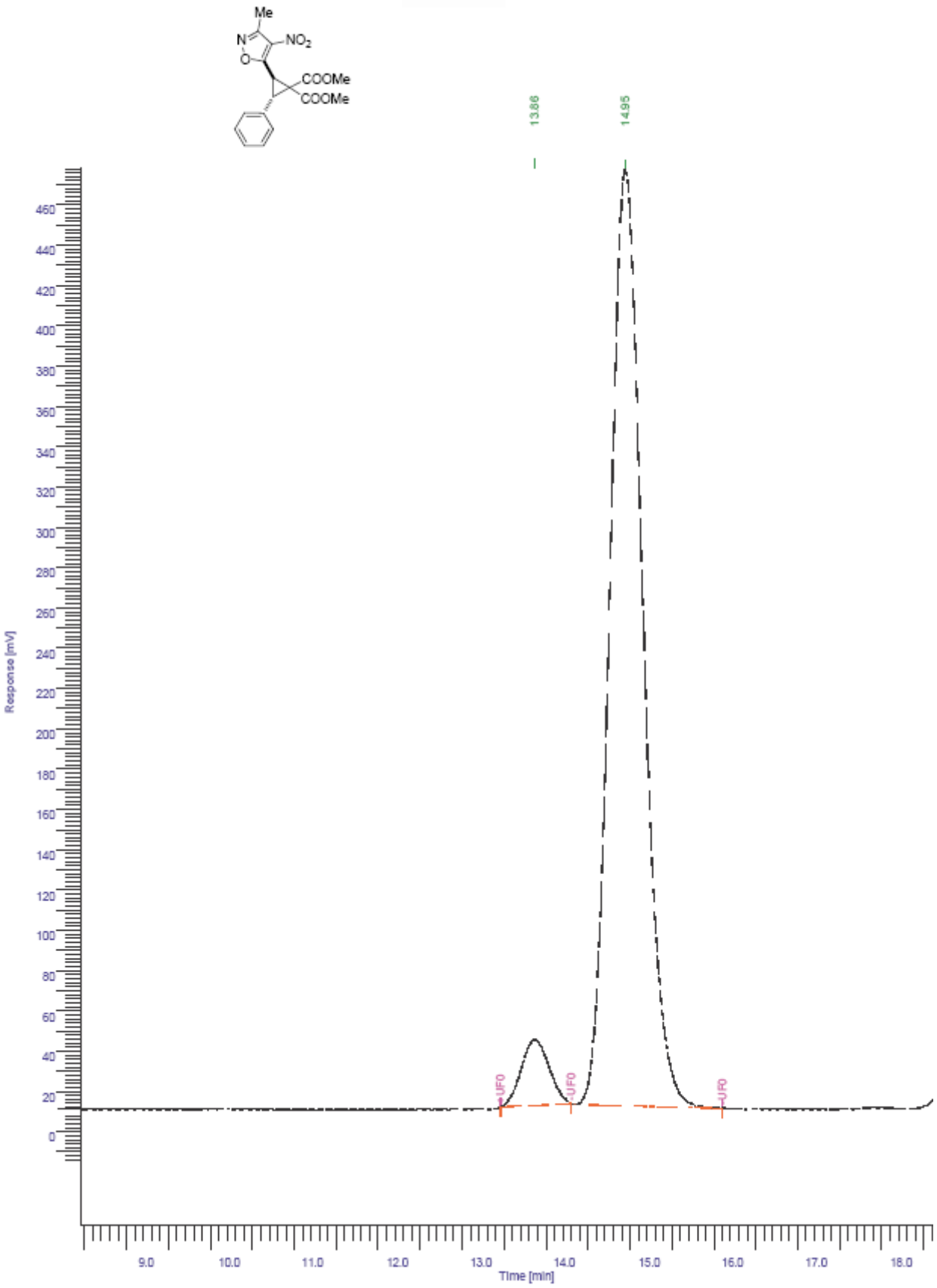








HPLC Data



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Sample Number	:	Study	:
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Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.00 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 05/02/2011 12:12:32	Dilution Factor	: 1.00
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Result File : C:\TOTALCHROM DATA\Results\Claudia\CD57CD57B10%.1ml.40minB.001.rst [Editing in Progress]
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Proc Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia\CD57CD57B10%.1ml.40minB.001.rst [Editing in Progress]
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Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
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DEFAULT REPORT

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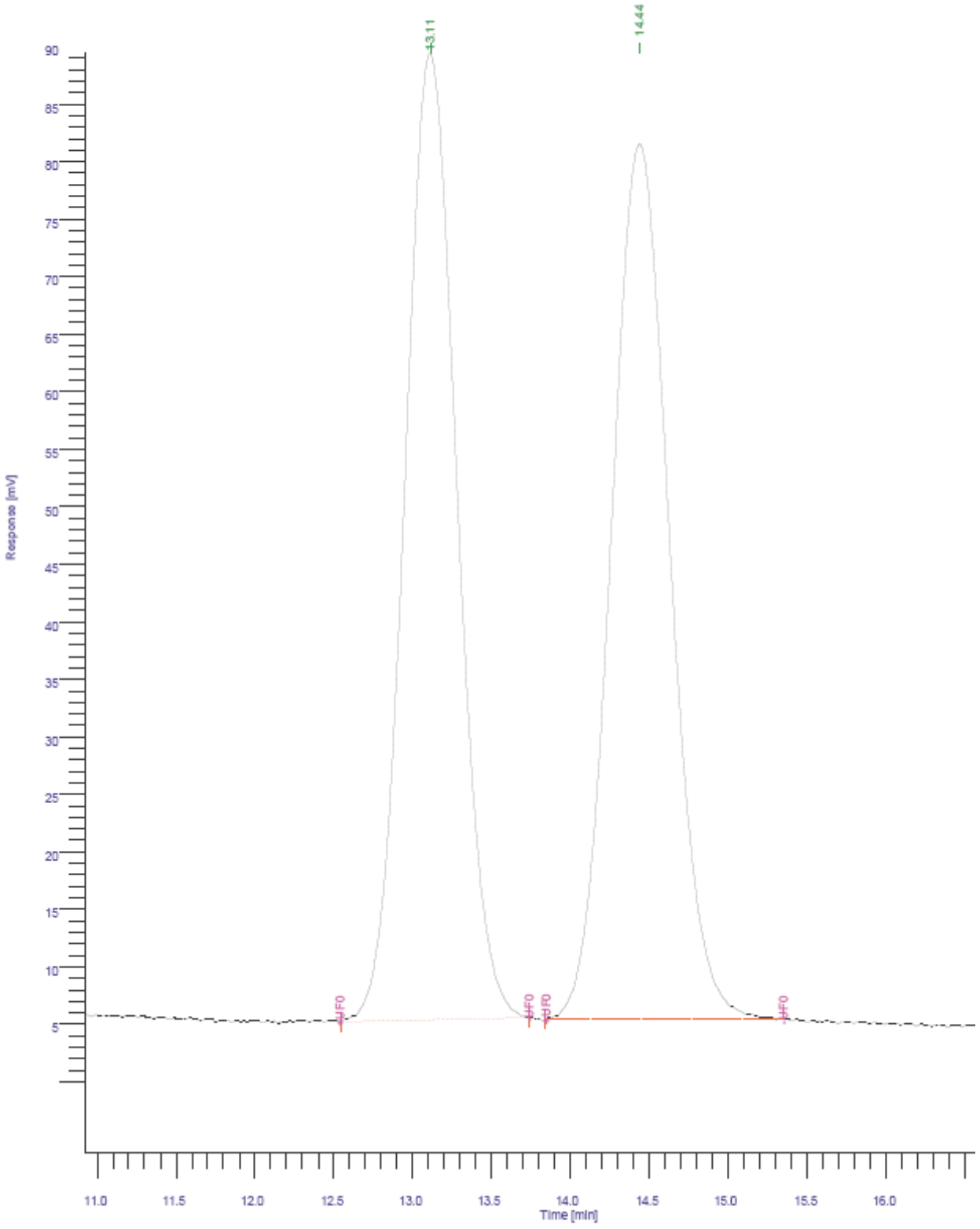
1		13.860	756307.00	32729.20	5.59	5.59			*MM	0.7563	0.7563
2		14.945	12775120.70	466119.54	94.41	94.41			*MM	12.7751	12.7751
			13531427.70	498848.74	100.00	100.00				13.5314	13.5314

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 14/04/2011 15:59:04
Operator	: manager	Sample Name	: CD57 Racemate
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/3
Instrument Name	: PerkinElmer LC	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 16.57 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 04/12/2010 17:57:16	Dilution Factor	: 1.00
		Cycle	: 3

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD57 Racemate.ad.B10%.1ml.A.003.raw
Result File : C:\TOTALCHROM DATA\Results\LClaudia\CD57 Racemate.ad.B10%.1ml.A.003.rst
[Editing in Progress] Inst Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-120min from C:\TOTALCHROM DATA\Results\Claudia\CD57 Racemate.ad.B10%.1ml.A.003.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-120min from C:\TOTALCHROM DATA\Results\Claudia\CD57 Racemate ad.B10%.1ml.A.003.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-120min from C:\TOTALCHROM DATA\Results\Claudia\CD57 Racemate.ad.B10%.1ml.A.003.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD57 racemate ad.B10%.1ml.-..seq

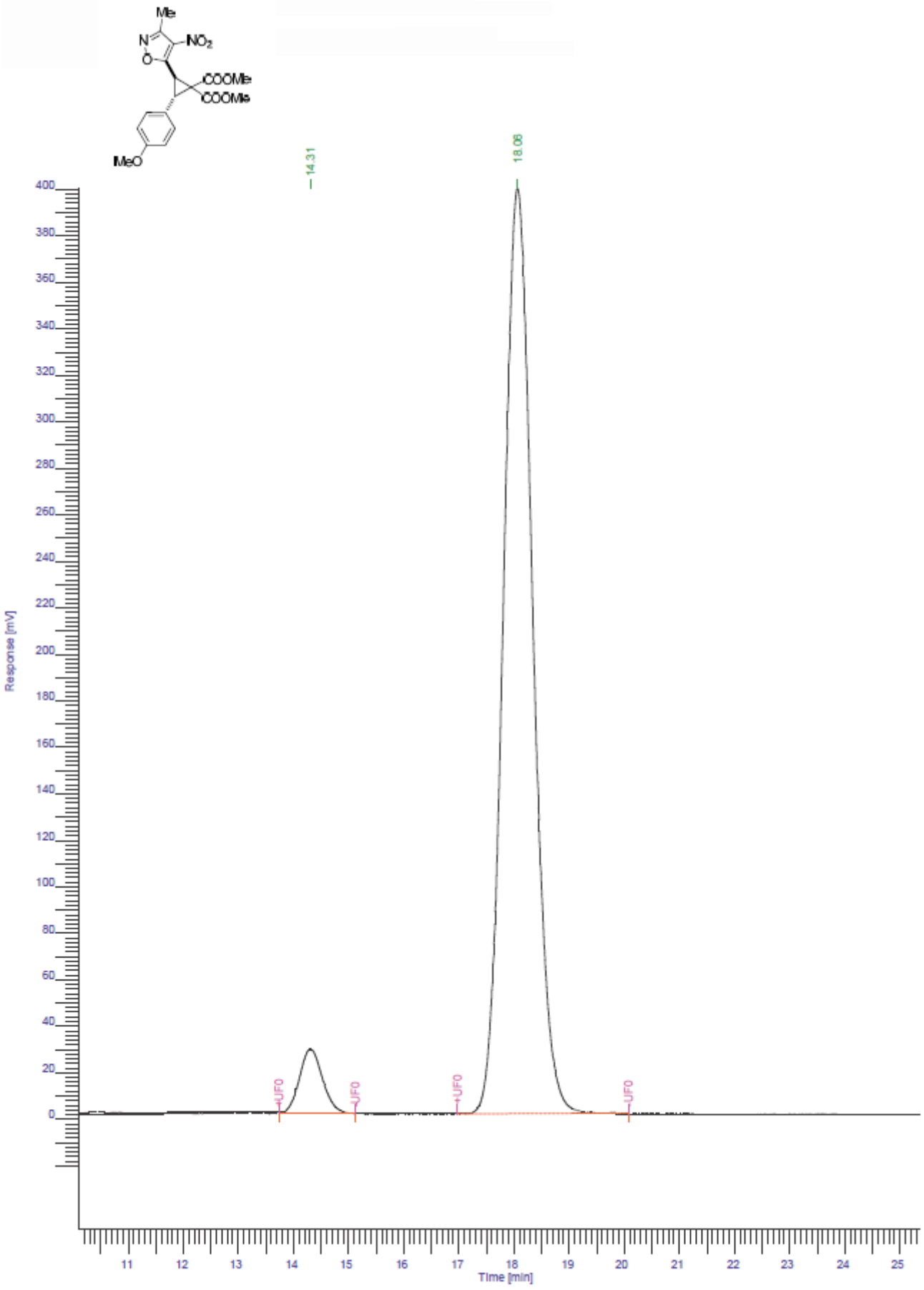
DEFAULT REPORT

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal. Range	Volt Range	BL	Raw Amount	Adjusted Amount
1		13.112	1946287.12	84065.70	49.71	49.71			*MM	1.9463	1.9463
2		14.439	1969012.57	76093.49	50.29	50.29			*MM	1.9690	1.9690
			3915299.69	160159.19	100.00	100.00				3.9153	3.9153

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 14/04/2011 16:33:46
Operator	: manager	Sample Name	: CD60 second
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 29.99 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 12/04/2011 17:52:14	Dilution Factor	: 1.00
		Cycle	: 1

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD60 secondCD60 second.ad.B20%.1ml.B.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD60 secondCD60 second.ad.B20%.1ml.B.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia\CD60 secondCD60 second.ad.B20%.1ml.B.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia results\CD60 secondCD60 second.ad.B20%.1ml.B.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia results\CD60 secondCD60 second.ad.B20%.1ml.B.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD60 second-.ad.B20%.1ml.-..seq

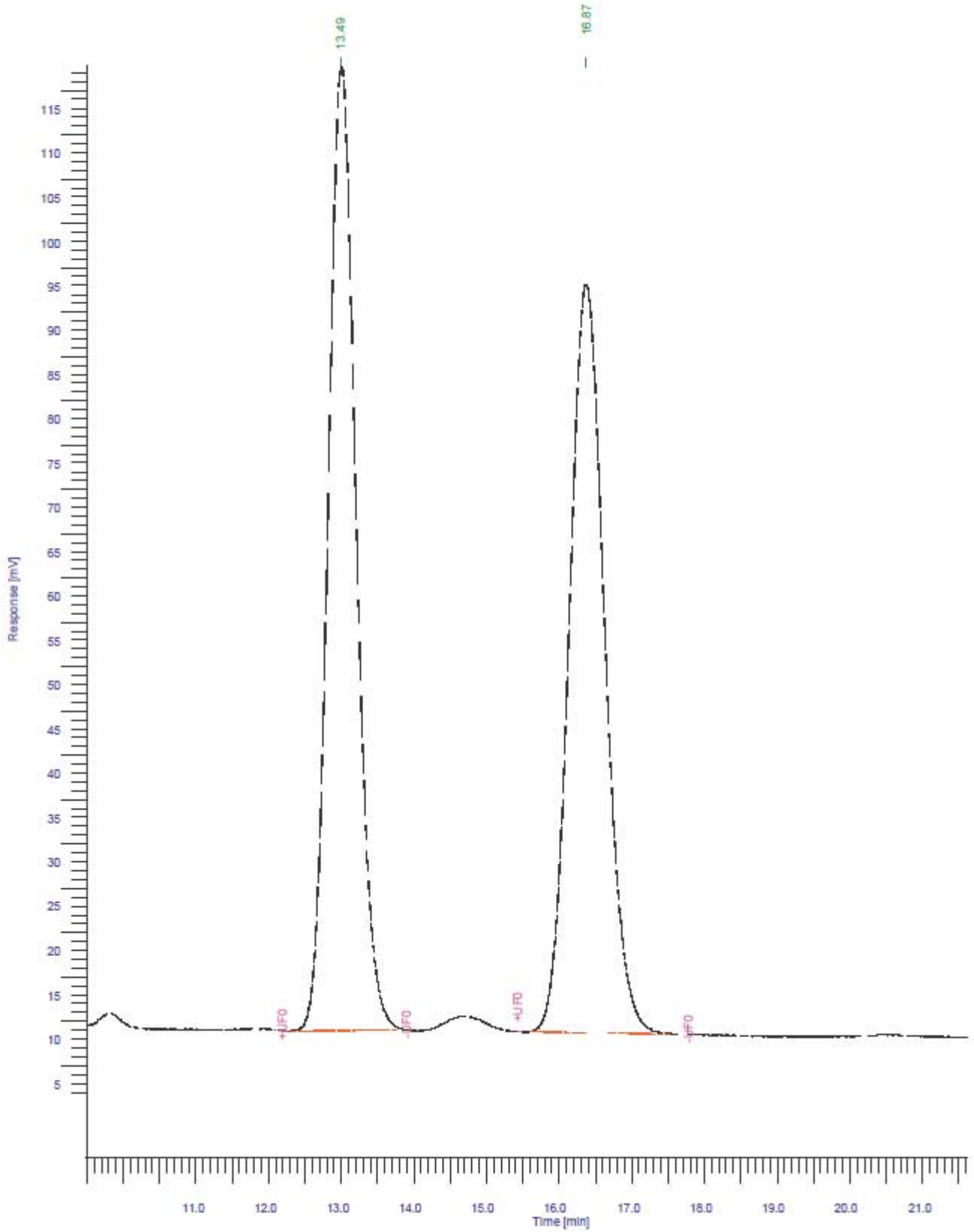
DEFAULT REPORT

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal. Range	Volt Range	BL	Raw Amount	Adjusted Amount
1		14.307	806631.17	27698.33	5.18	5.18			*MM	0.8066	0.8066
2		18.062	14753116.60	398002.78	94.82	94.82			*MM	14.7531	14.7531
			15559747.77	425701.12	100.00	100.00				15.5597	15.5597

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 20/04/2011 12:26:39
Operator	: manager	Sample Name	: CD100Asecond
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 29.99 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 13/04/2011 10:27:01	Dilution Factor	: 1.00
		Cycle	: 1

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD100AsecondCD100Asecond.ad.B20%.1ml.B.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD100AsecondCD100Asecond.ad.B20%.1ml.B.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia\CD100AsecondCD100Asecond.ad.B20%.1ml.B.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia results\CD100AsecondCD100Asecond.ad.B20%.1ml.B.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia results\CD100AsecondCD100Asecond.ad.B20%.1ml.B.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD100Asecond-.ad.B20%.1ml.-..seq

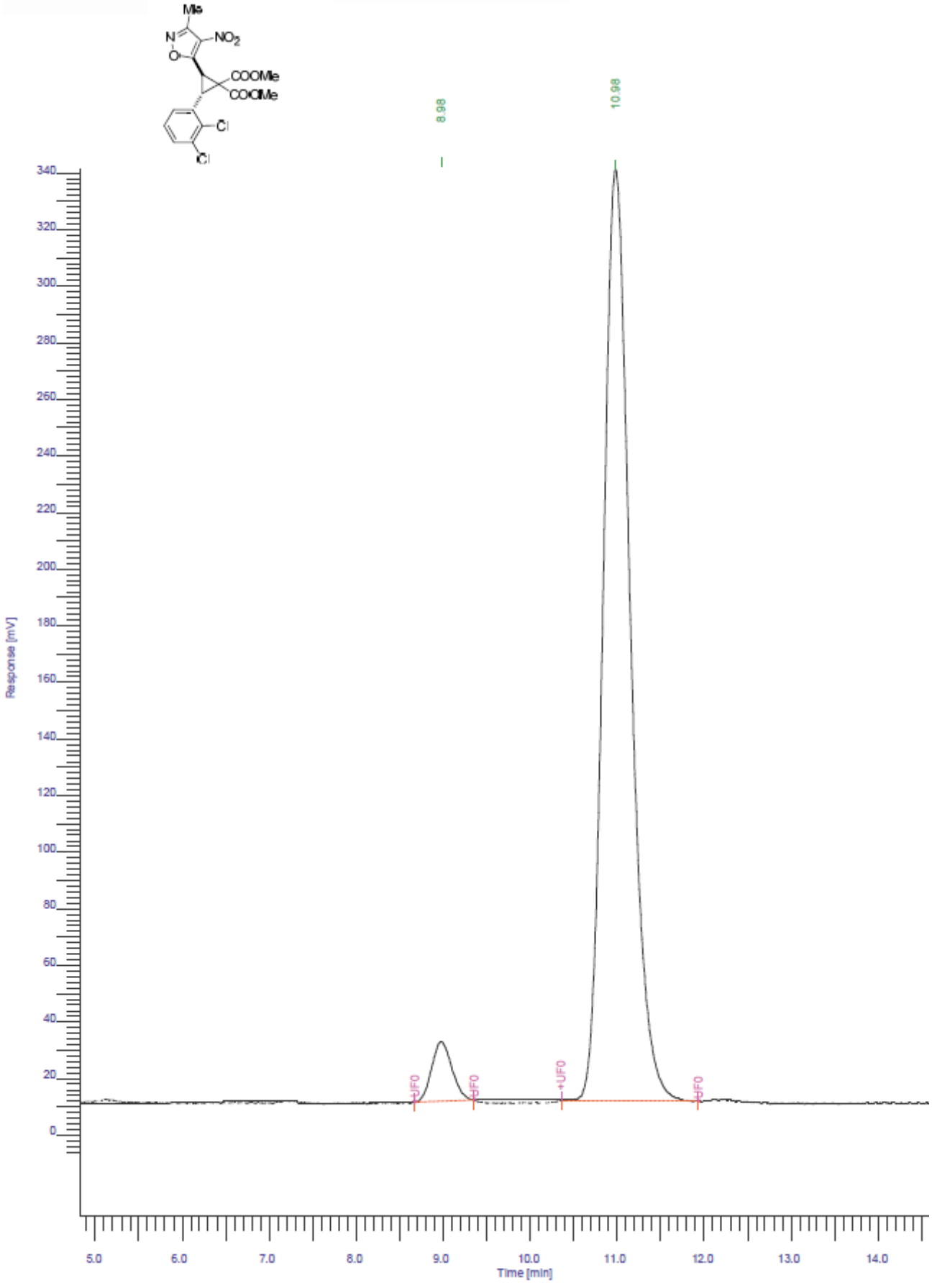
DEFAULT REPORT

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal. Range	Volt Range	BL	Raw Amount	Adjusted Amount
1		13.493	2928873.27	108961.91	50.44	50.44			*MM	2.9289	2.9289
2		16.874	2877244.27	84670.65	49.56	49.56			*MM	2.8772	2.8772
			5806117.54	193632.56	100.00	100.00				5.8061	5.8061

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 14/04/2011 16:37:02
Operator	: manager	Sample Name	: CD61
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 29.99 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 07/02/2011 17:52:23	Dilution Factor	: 1.00
		Cycle	: 1

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD61CD61.ad.B20%.1ml.30minB.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia\CD61CD61.ad.B20%.1ml.30minB.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia\CD61CD61.ad.B20%.1ml.30minB.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia\CD61CD61.ad.B20%.1ml.30minB.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia\CD61CD61.ad.B20%.1ml.30minB.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD61-.ad.B20%.1ml.30min-..seq

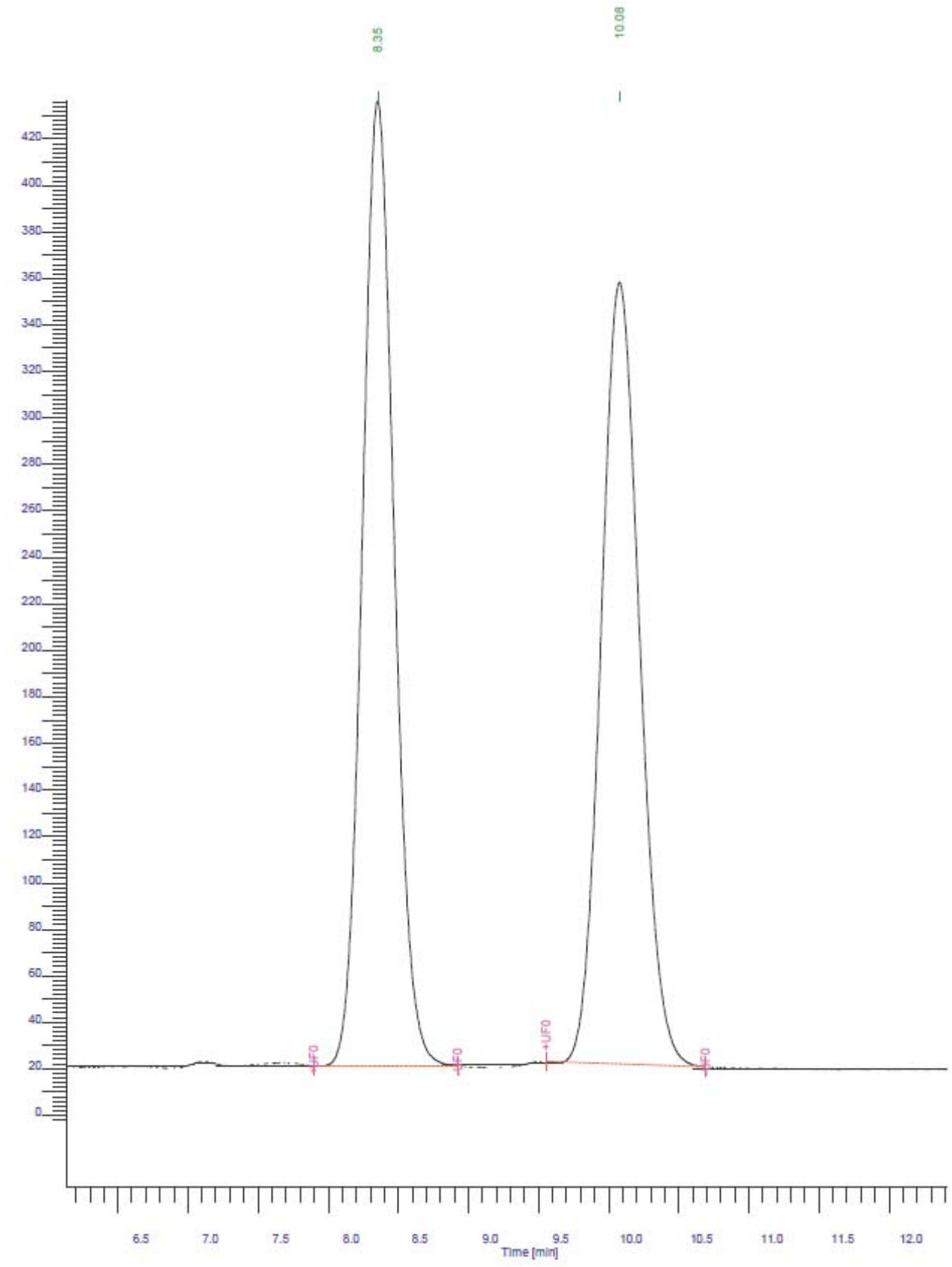
DEFAULT REPORT

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal. Range	Volt Range	BL	Raw Amount	Adjusted Amount
1		8.976	342538.49	20994.23	4.60	4.60			*MM	0.3425	0.3425
2		10.978	7105561.83	329210.98	95.40	95.40			*MM	7.1056	7.1056
			7448100.32	350205.21	100.00	100.00				7.4481	7.4481

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 14/04/2011 16:38:39
Operator	: manager	Sample Name	: CD 61 Racemate
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/3
Instrument Name	: PerkinElmer LC	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 24.60 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 23/01/2011 16:48:21	Dilution Factor	: 1.00
		Cycle	: 1

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD61 Racemate.ad.B20%.1ml.A.003.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia\CD61 Racemate.ad.B20%.1ml.A.003.rst [Editing in Progress] Inst Method : C:\TOTALCHROM DATA\Methods\B20%-1mL-120min from C:\TOTALCHROM DATA\Results\Claudia\CD61 Racemate.ad.B20%.1ml.A.003.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B20%-1mL-120min.mth from C:\TOTALCHROM DATA\Results\Claudia\CD61 Racemate.ad.B20%.1ml.A.003.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B20%-1mL-120min.mth from C:\TOTALCHROM DATA\Results\Claudia\CD61 Racemate.ad.B20%.1ml.A.003.rst [Editing in Progress]
Report Format File: C:\TOTALCHROM DATA\Methods\default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD61 Racemate.ad.B20%.1ml.-..seq

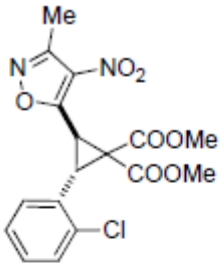
DEFAULT REPORT

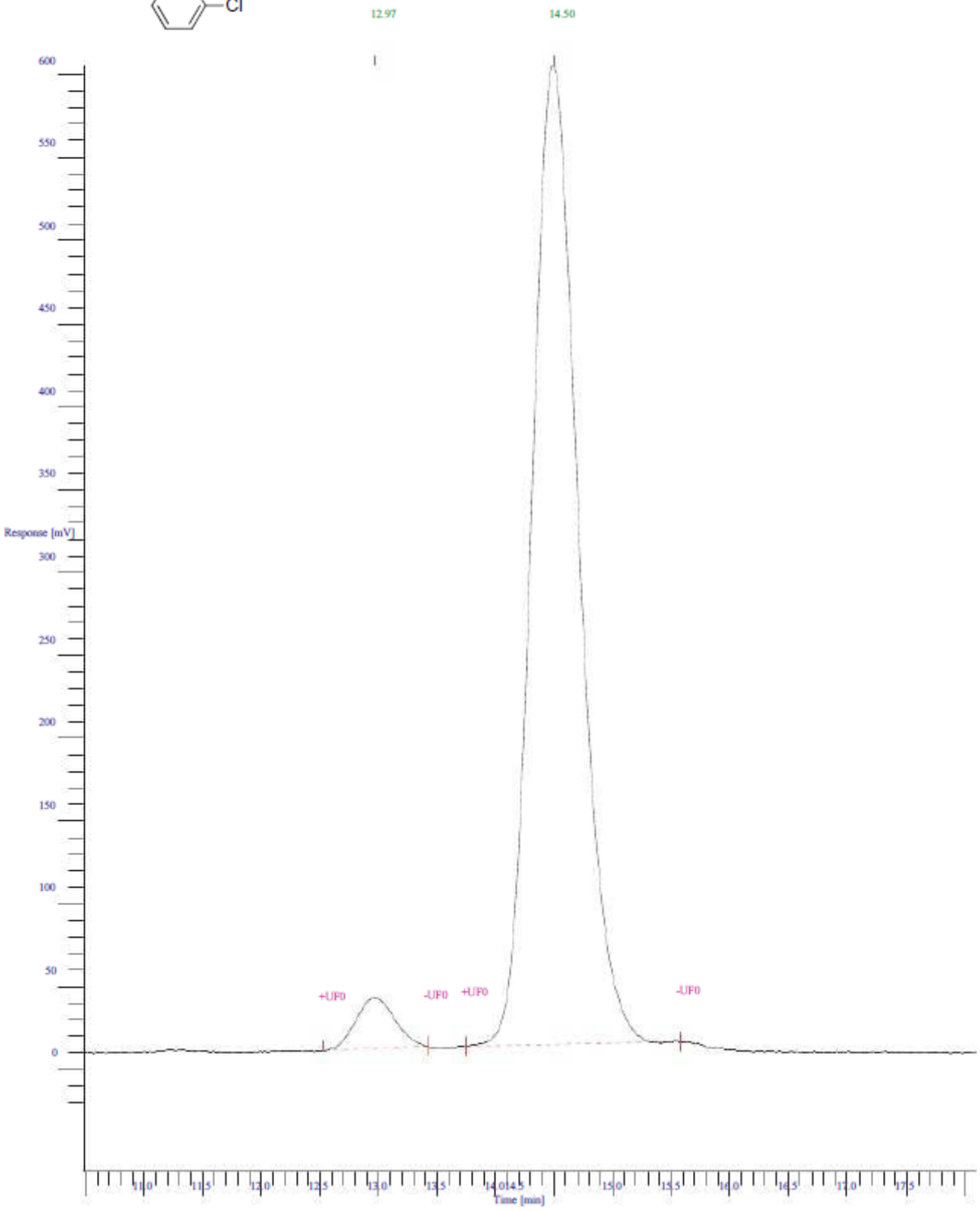
Peak #	Time [min]	Area [µV·s]	Height [µV]	Area [%]	Norm. Area [%]	BL	Area/Height [s]
1	8.353	6546068.10	415162.25	50.48	50.48	*MM	15.7675
2	10.076	6422218.06	336283.39	49.52	49.52	*MM	19.0976
		12968286.16	751445.64	100.00	100.00		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found





Software Version	: 6.3.1.0504	Date	: 14/04/2011 16:41:48
Operator	: manager	Sample Name	: CD63
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.00 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 11/02/2011 11:41:58	Dilution Factor	: 1.00
		Cycle	: 1

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD63CD63.ad.B10%.1ml.40minB.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD63CD63.ad.B10%.1ml.40minB.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia\CD63CD63.ad.B10%.1ml.40minB.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia results\CD63CD63.ad.B10%.1ml.40minB.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia results\CD63CD63.ad.B10%.1ml.40minB.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\blank-.ad.B10%.1ml.40min-..seq

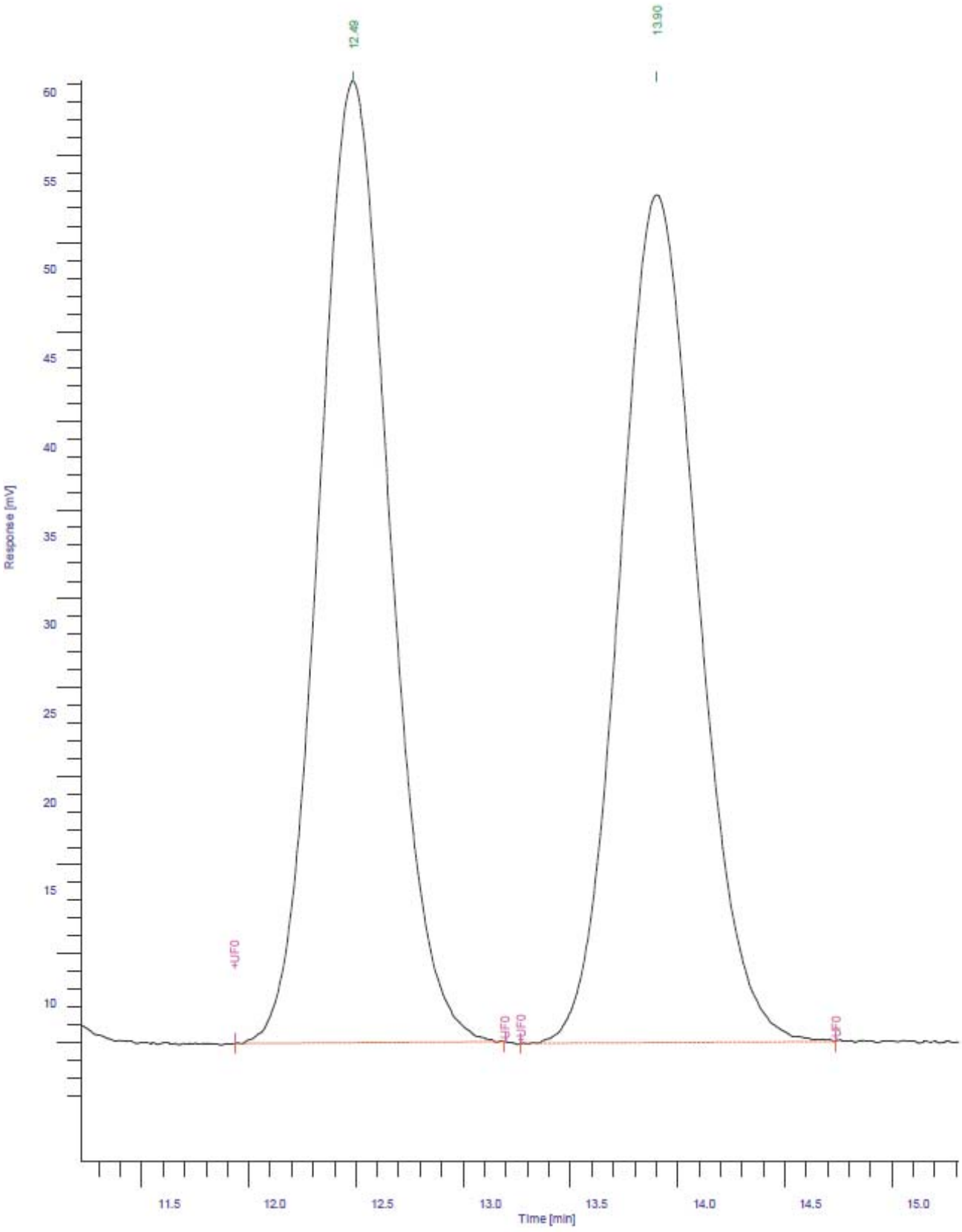
DEFAULT REPORT

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal. Range	Volt Range	BL	Raw Amount	Adjusted Amount
1		12.973	699919.77	30818.51	4.09	4.09			*MM	0.6999	0.6999
2		14.498	16430668.01	590314.32	95.91	95.91			*MM	16.4307	16.4307
			17130587.78	621132.83	100.00	100.00				17.1306	17.1306

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 14/04/2011 16:43:09
Operator	: manager	Sample Name	: CD63 Racemate
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 31.86 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 17/12/2010 16:48:03	Dilution Factor	: 1.00
		Cycle	: 1

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD63 Racemate.ad.B10%.1ml.B.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia\CD63 Racemate.ad.B10%.1ml.B.001.rst [Editing in Progress] Inst Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-120min from C:\TOTALCHROM DATA\Results\Claudia\CD63 Racemate.ad.B10%.1ml.B.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-120min from C:\TOTALCHROM DATA\Results\Claudia\CD63 Racemate.ad.B10%.1ml.B.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-120min from C:\TOTALCHROM DATA\Results\Claudia\CD63 Racemate.ad.B10%.1ml.B.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD63 Racemate.ad.B10%.1ml.-..seq

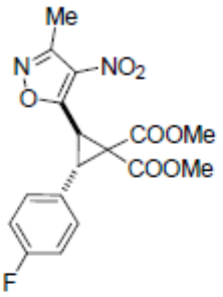
DEFAULT REPORT

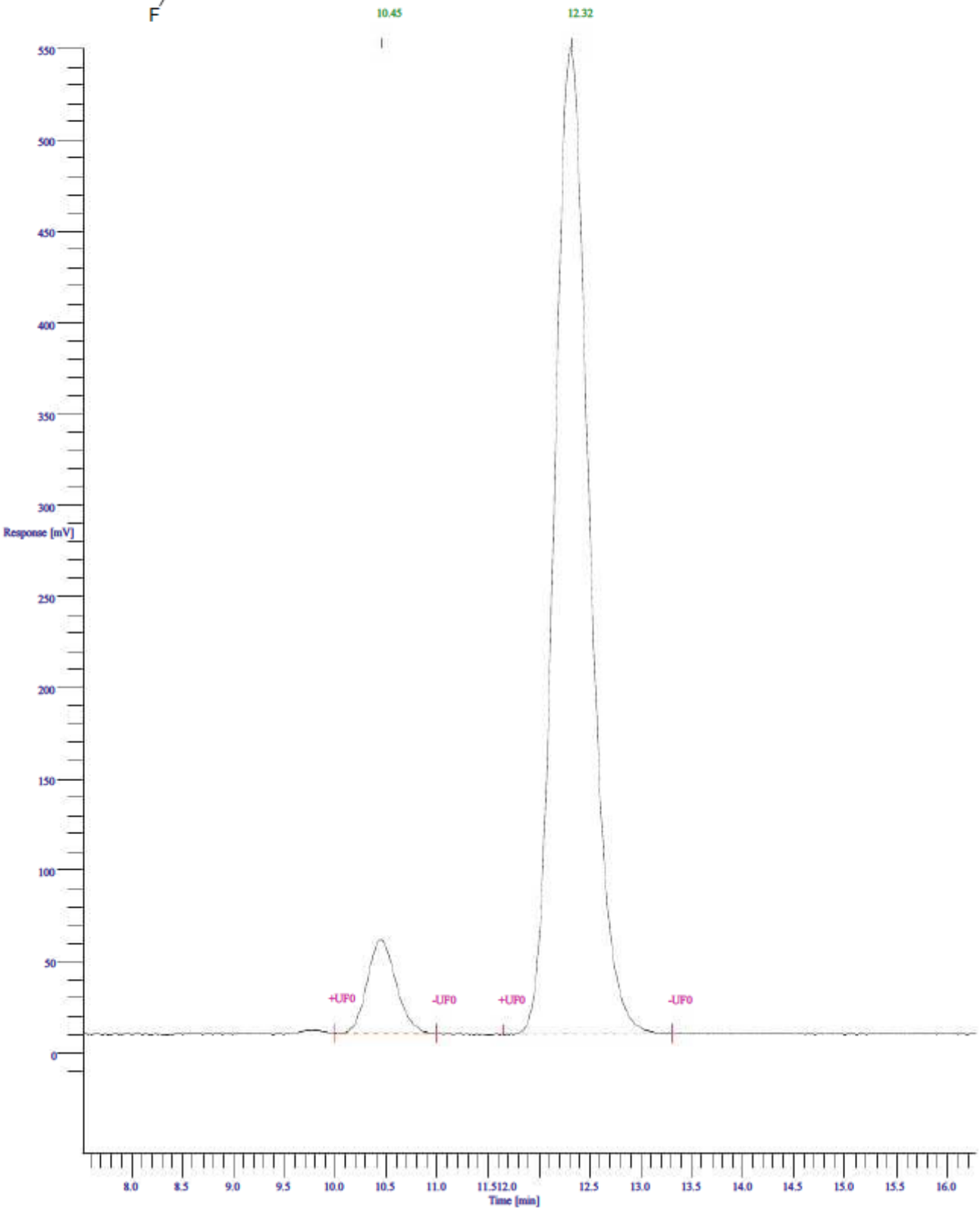
Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal. Range	Volt Range	BL	Raw Amount	Adjusted Amount
1		12.489	1247421.65	54173.93	50.72	50.72			*MM	1.2474	1.2474
2		13.904	1212189.21	47759.79	49.28	49.28			*MM	1.2122	1.2122
			2459610.87	101933.73	100.00	100.00				2.4596	2.4596

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found





Software Version	: 6.3.1.0504	Date	: 14/04/2011 16:46:51
Operator	: manager	Sample Name	: CD64
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 29.99 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject: 0.000000	
Data Acquisition Time	: 11/02/2011 14:08:34	Dilution Factor : 1.00	
		Cycle: 1	

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD64CD64.ad.B20%.1ml.30minB.001-20110211-140844.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD64CD64.ad.B20%.1ml.30minB.001-20110211-144342.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia\CD64CD64.ad.B20%.1ml.30minB.001-20110211-140844.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia results\CD64CD64.ad.B20%.1ml.30minB.001-20110211-144342.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia results\CD64CD64.ad.B20%.1ml.30minB.001-20110211-144342.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD64-.ad.B20%.1ml.30min-..seq

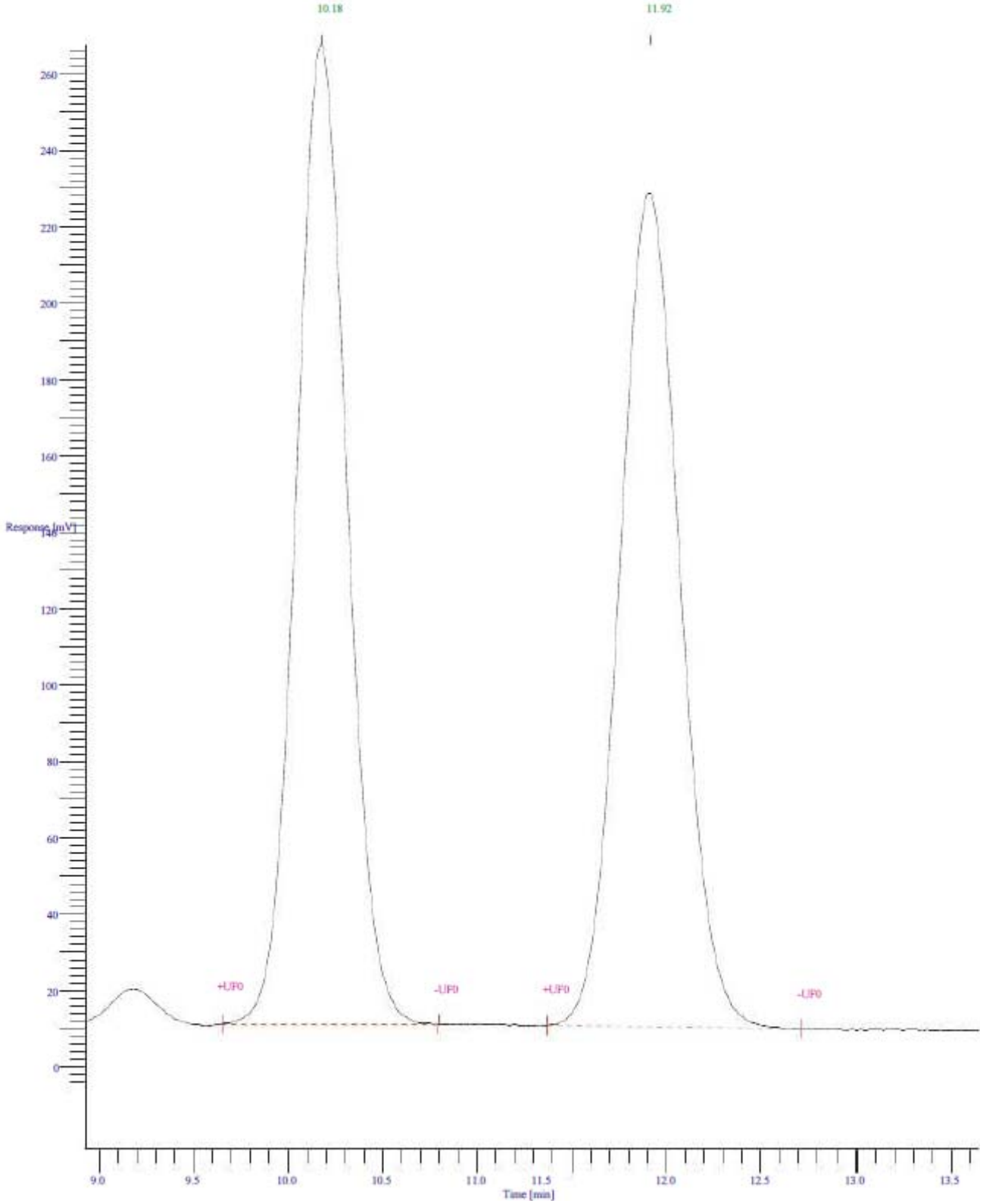
DEFAULT REPORT

Peak #Name	Component	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal.VoltBL Range			Raw Amount	Adjusted Amount
1		10.450	918828.39	49186.42	6.62	6.62			*MM	0.9188	0.9188
2		12.320	12956534.55	540228.36	93.38	93.38			*MM	12.9565	12.9565
			13875362.94	589414.78	100.00	100.00				13.8754	13.8754

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 14/04/2011 16:48:55
Operator	: manager	Sample Name	: CD64 Racemate
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/4
Instrument Name	: PerkinElmer LC	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 15.33 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject: 0.000000	
Data Acquisition Time	: 16/12/2010 17:14:25	Dilution Factor : 1.00	

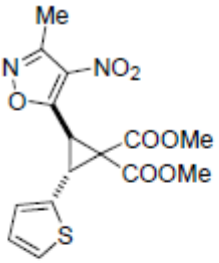
Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD64 Racemate.ad.B20%.1ml.A.004.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia\CD64 Racemate.ad.B20%.1ml.A.004.rst
Inst Method : C:\TOTALCHROM DATA\Methods\B20%-1mL-120min from C:\TOTALCHROM DATA\Results\Claudia\CD64 Racemate.ad.B20%.1ml.A.004.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B20%-1mL-120min.mth from C:\TOTALCHROM DATA\Results\Claudia\CD64 Racemate.ad.B20%.1ml.A.004.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B20%-1mL-120min.mth from C:\TOTALCHROM DATA\Results\Claudia\CD64 Racemate.ad.B20%.1ml.A.004.rst [Editing in Progress]
Report Format File: C:\TOTALCHROM DATA\Methods\default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD64 Racemate.ad.B20%.1ml.-..seq

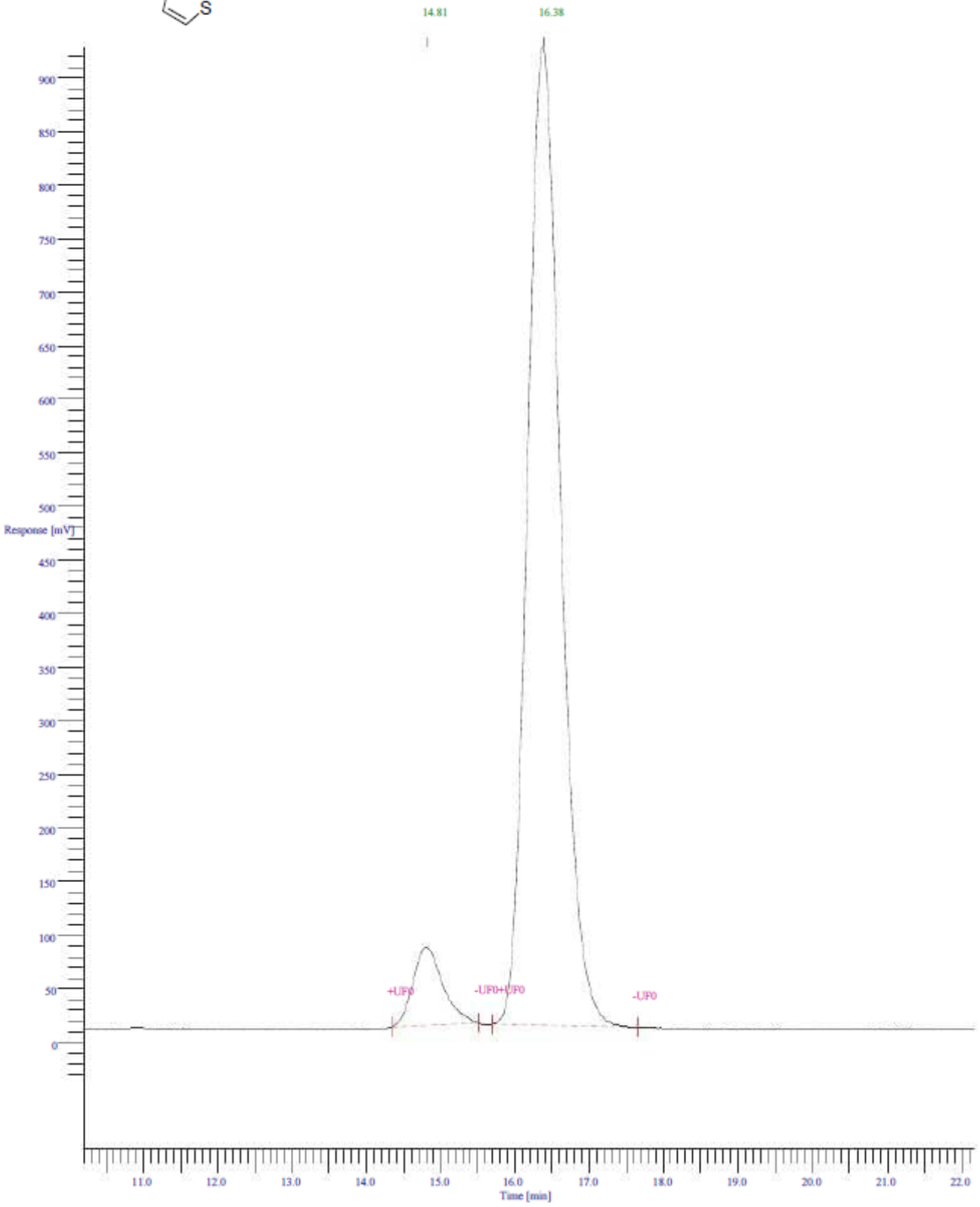
DEFAULT REPORT

Peak #	Time [min]	Area [µV·s]	Height [µV]	Area [%]	Norm. Area [%]		BL Area/Height [s]
1	10.179	4816175.88	256414.38	49.79	49.79	*MM	18.7828
2	11.917	4856298.93	218456.69	50.21	50.21	*MM	22.2300
		9672474.81	474871.07	100.00	100.00		

Missing Component Report
Component Expected Retention (Calibration File)

All components were found





Software Version	: 6.3.1.0504	Date	: 15/04/2011 12:30:24
Operator	: manager	Sample Name	: CD68
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.00 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject: 0.000000	
Data Acquisition Time	: 17/02/2011 11:10:27	Dilution Factor : 1.00	
		Cycle: 1	

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD68CD68B10%.1.0ml.40minB.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD68CD68B10%.1.0ml.40minB.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia\CD68CD68B10%.1.0ml.40minB.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia results\CD68CD68B10%.1.0ml.40minB.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia results\CD68CD68B10%.1.0ml.40minB.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD68-B10%.1.0ml.40min-..seq

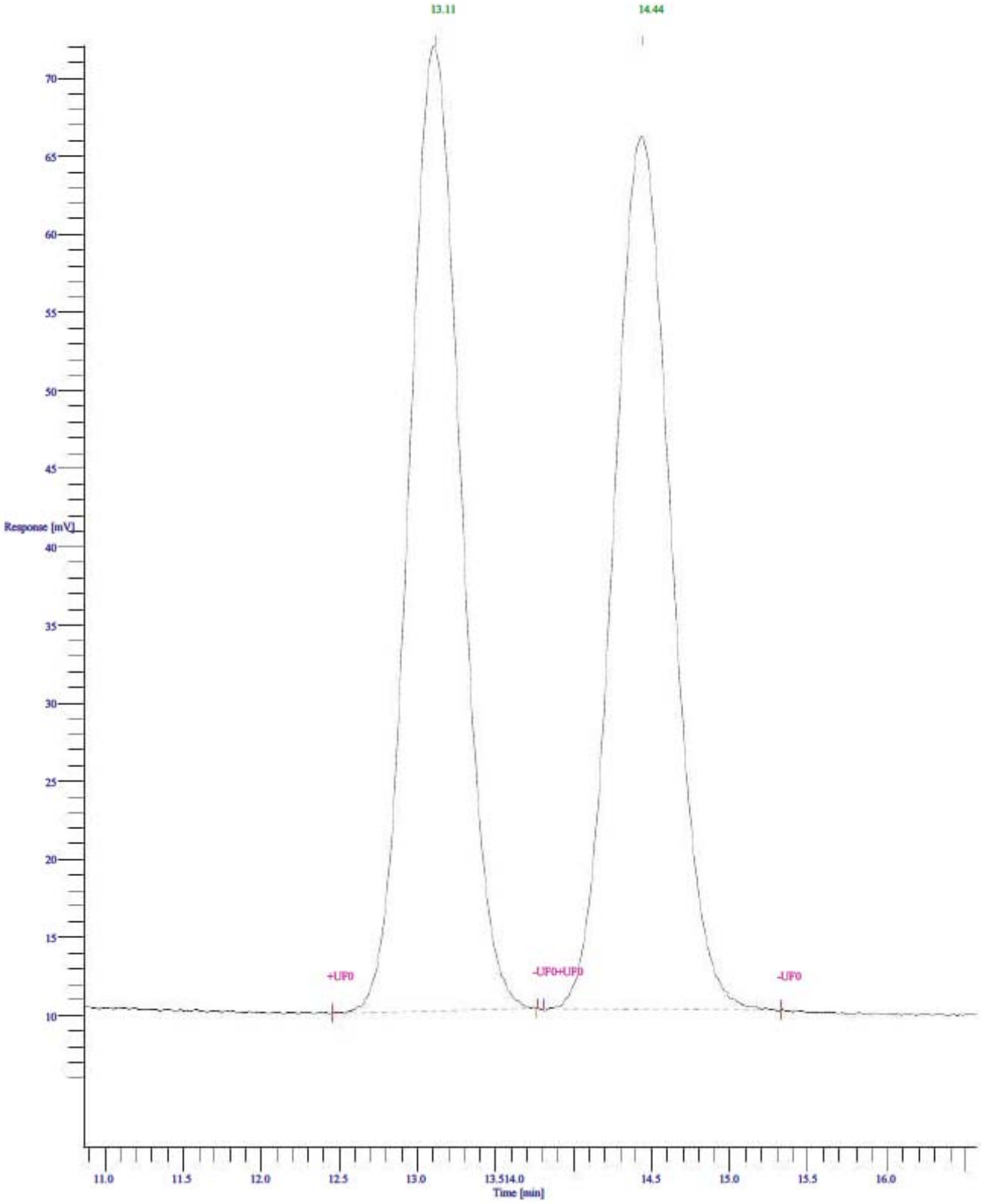
DEFAULT REPORT

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal.VoltBL Range	Range		Raw Amount	Adjusted Amount
		14.813	2043458.94	72963.35							
1		16.383	28380202.40	912851.83	6.72	6.72			*MM	2.0435	2.0435
2					93.28	93.28			*MM	28.3802	28.3802
			30423661.34	985815.19	100.00	100.00				30.4237	30.4237

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 15/04/2011 12:32:38
Operator	: manager	Sample Name	: CD68 Racemate
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/3
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 16.57 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul	Area Reject: 0.000000	
Sample Amount	: 1.0000	Dilution Factor : 1.00	
Data Acquisition Time	: 17/12/2010 17:57:16	Cycle: 3	

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD68 Racemate.ad.B10%.1ml.B.003.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia\CD68 Racemate.ad.B10%.1ml.B.003.rst
Inst Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-120min from C:\TOTALCHROM DATA\Results\Claudia\CD68 Racemate.ad.B10%.1ml.B.003.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-120min from C:\TOTALCHROM DATA\Results\Claudia\CD68 Racemate.ad.B10%.1ml.B.003.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-120min from C:\TOTALCHROM DATA\Results\Claudia\CD68 Racemate.ad.B10%.1ml.B.003.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD68 Racemate.ad.B10%.1ml.-..seq

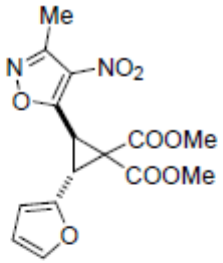
DEFAULT REPORT

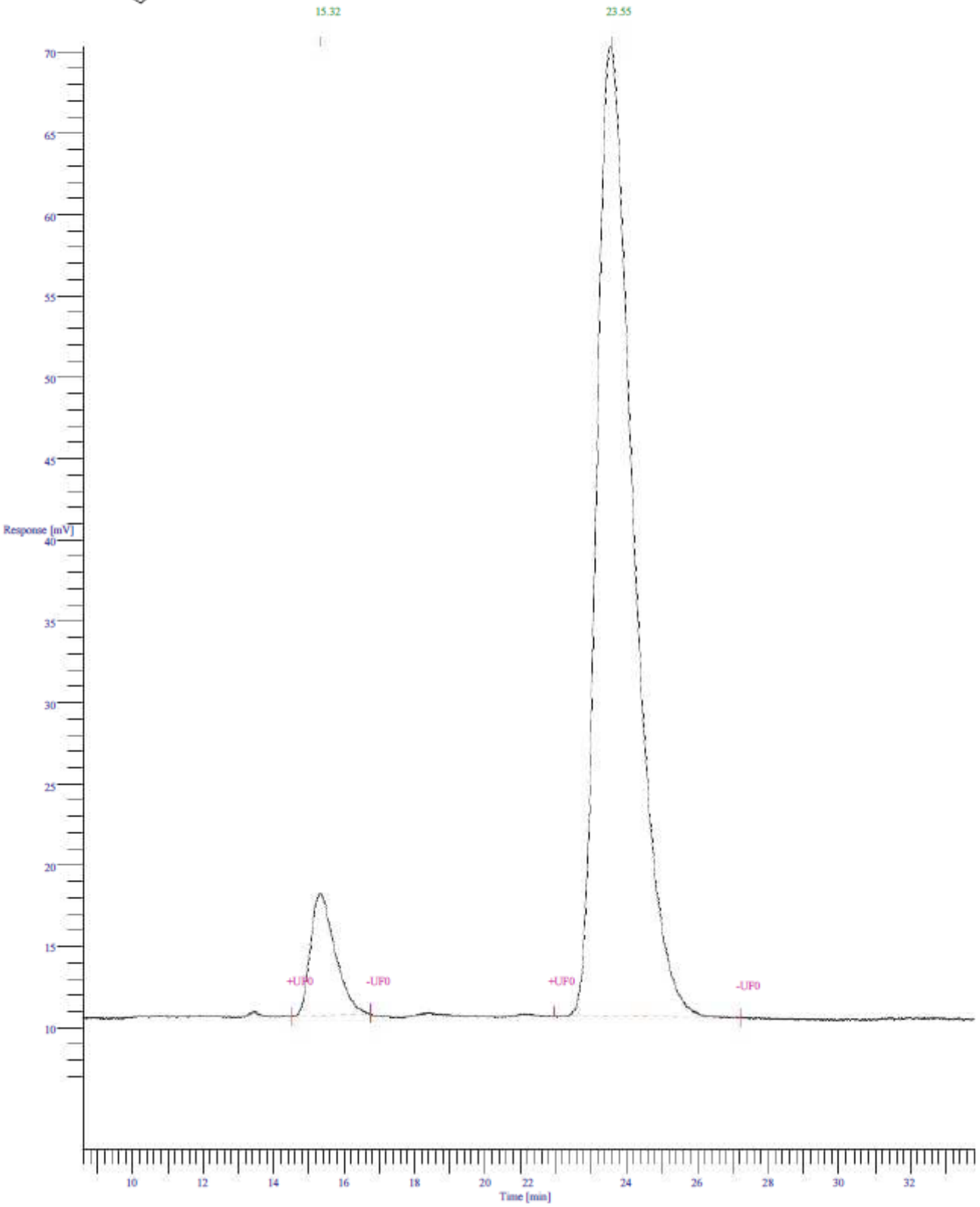
Peak #Name	Component	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal.VoltBL Range	Range		Raw Amount	Adjusted Amount
1		13.112	1432427.08	61795.88	49.83	49.83			*MM	1.4324	1.4324
2		14.439	1442196.21	55915.41	50.17	50.17			*MM	1.4422	1.4422
			2874623.29	117711.29	100.00	100.00				2.8746	2.8746

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found





Software Version	: 6.3.1.0504	Date	: 15/04/2011 12:40:44
Operator	: manager	Sample Name	: CD69ChiralcellOD
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 59.99 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul	Area Reject: 0.000000	
Sample Amount	: 1.0000	Dilution Factor : 1.00	
Data Acquisition Time	: 25/03/2011 12:57:32	Cycle: 1	

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD69ChiralcellODCD69ChiralcellOD.ad.B10%.1.0ml.B.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD69ChiralcellODCD69ChiralcellOD.ad.B10%.1.0ml.B.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-60min from C:\TOTALCHROM DATA\Results\Claudia\CD69ChiralcellODCD69ChiralcellOD.ad.B10%.1.0ml.B.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-60min from C:\TOTALCHROM DATA\Results\Claudia results\CD69ChiralcellODCD69ChiralcellOD.ad.B10%.1.0ml.B.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-60min from C:\TOTALCHROM DATA\Results\Claudia results\CD69ChiralcellODCD69ChiralcellOD.ad.B10%.1.0ml.B.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD69ChiralcellOD-.ad.B10%.1.0ml.-..seq

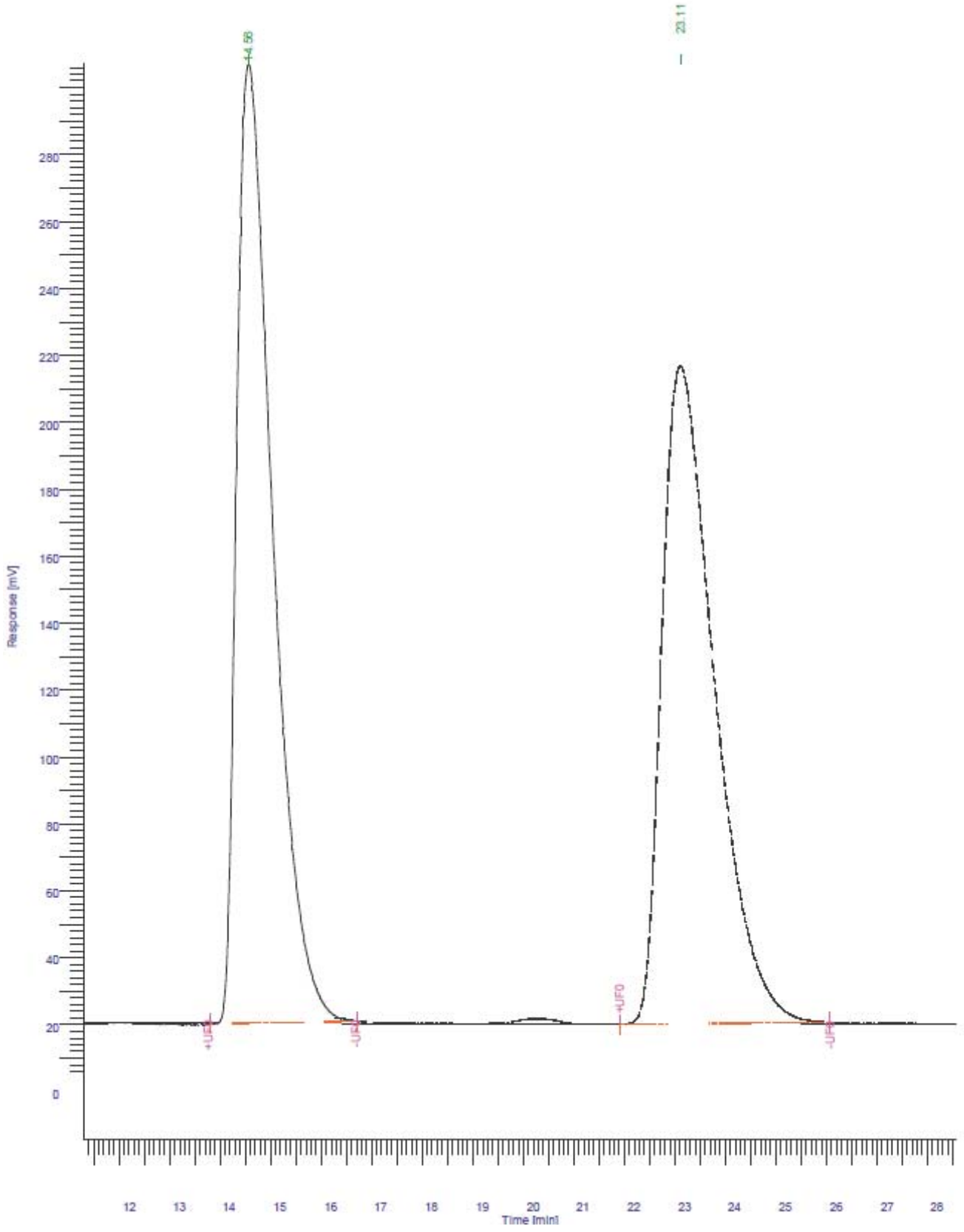
DEFAULT REPORT

Peak #Name	Component	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal.VoltBL Range	Range		Raw Amount	Adjusted Amount
1		15.319	327538.04	7263.67	7.07	7.07			*MM	0.3275	0.3275
2		23.547	4302042.55	59652.43	92.93	92.93			*MM	4.3020	4.3020
			4629580.59	66916.10	100.00	100.00				4.6296	4.6296

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 29/04/2011 15:04:44
Operator	: manager	Sample Name	: CD69-A Racemate
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.00 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 29/04/2011 14:21:37	Dilution Factor	: 1.00
		Cycle	: 1

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD69-A RacemateCD69-A Racemate.ad.B10%.1ml.B.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD69-A RacemateCD69-A Racemate.ad.B10%.1ml.B.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia\CD69-A RacemateCD69-A Racemate.ad.B10%.1ml.B.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia results\CD69-A RacemateCD69-A Racemate.ad.B10%.1ml.B.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia results\CD69-A RacemateCD69-A Racemate.ad.B10%.1ml.B.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\Blank-.ad.B10%.1ml.-..seq

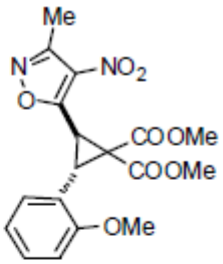
DEFAULT REPORT

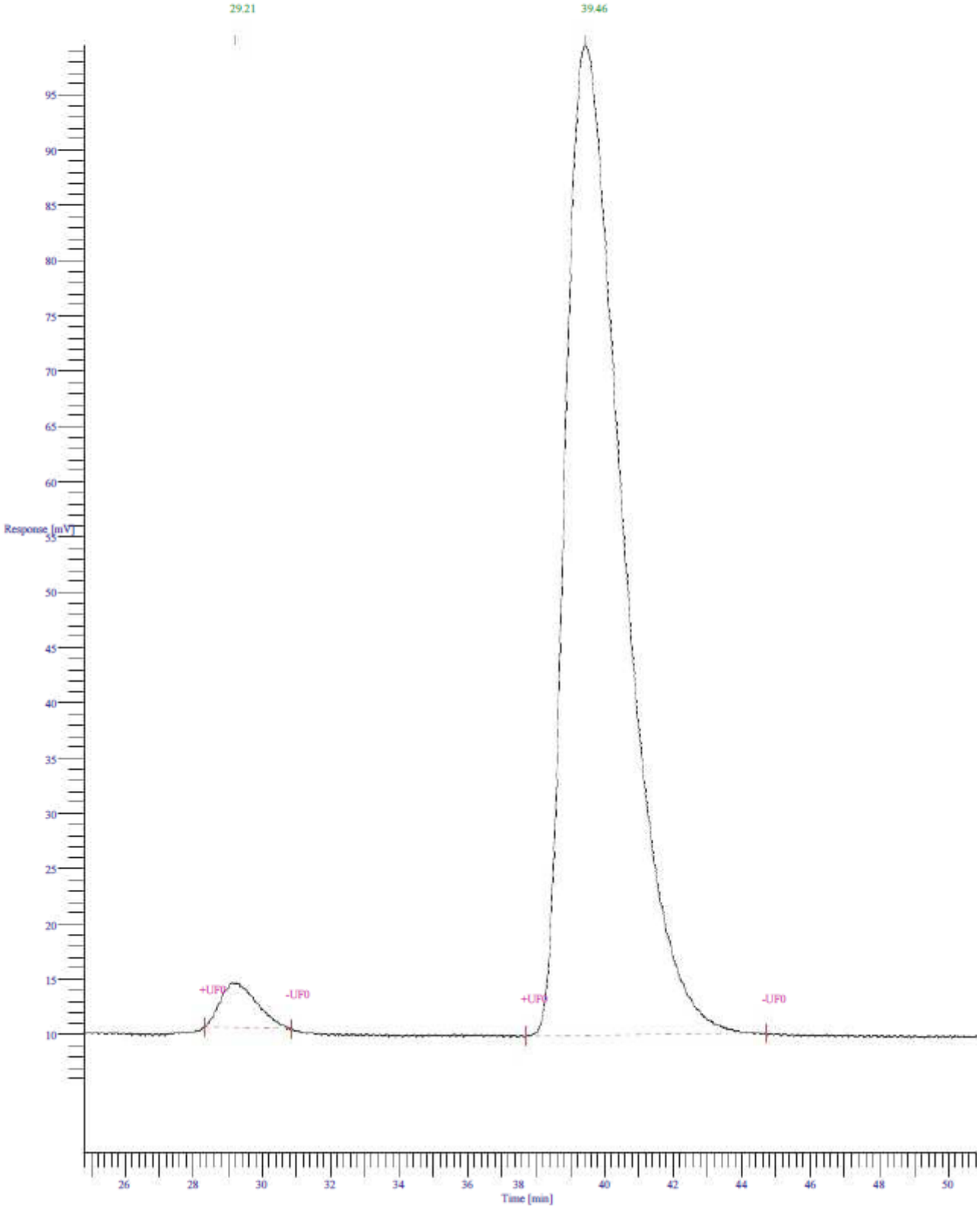
Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal. Range	Volt Range	BL	Raw Amount	Adjusted Amount
1		14.564	14271944.53	286916.46	50.02	50.02			*MM	14.2719	14.2719
2		23.115	14259224.82	197132.92	49.98	49.98			*MM	14.2592	14.2592
			28531169.35	484049.38	100.00	100.00				28.5312	28.5312

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found





Software Version	: 6.3.1.0504	Date	: 15/04/2011 14:55:35
Operator	: manager	Sample Name	: CD75BestOD
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 59.99 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul	Area Reject: 0.000000	
Sample Amount	: 1.0000	Dilution Factor : 1.00	
Data Acquisition Time	: 05/04/2011 16:25:23	Cycle: 1	

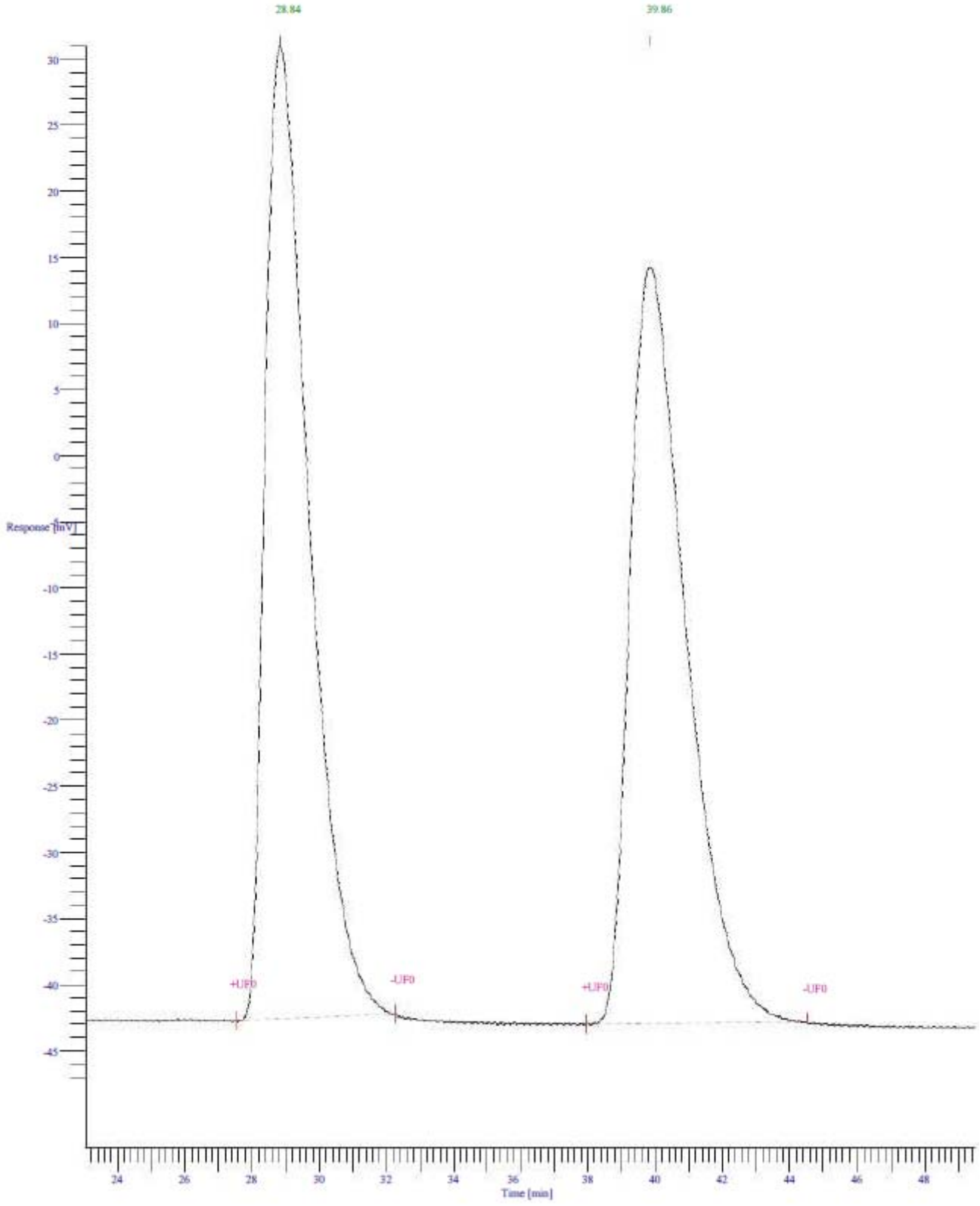
Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD75BestODCD75BestOD.ad.B5%.0.50ml.B.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD75BestODCD75BestOD.ad.B5%.0.50ml.B.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B5%-0.5mL-60min from C:\TOTALCHROM DATA\Results\Claudia\CD75BestODCD75BestOD.ad.B5%.0.50ml.B.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B5%-0.5mL-60min from C:\TOTALCHROM DATA\Results\Claudia results\CD75BestODCD75BestOD.ad.B5%.0.50ml.B.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B5%-0.5mL-60min from C:\TOTALCHROM DATA\Results\Claudia results\CD75BestODCD75BestOD.ad.B5%.0.50ml.B.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD91OD-.ad.B5%.0.50ml.-..seq

DEFAULT REPORT

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal.VoltBL Range	Range		Raw Amount	Adjusted Amount
1		29.135	213070.47	3498.73	2.00	2.00			*MM	0.2131	0.2131
2		39.461	10456185.32	89610.60	98.00	98.00			*MM	10.4562	10.4562
			10669255.79	93109.33	100.00						
						100.00				10.6693	10.6693

Missing Component Report
Component Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 15/04/2011 15:00:52
Operator	: manager	Sample Name	: CD91OD
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 59.99 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul	Area Reject: 0.000000	
Sample Amount	: 1.0000	Dilution Factor : 1.00	
Data Acquisition Time	: 05/04/2011 15:22:02	Cycle: 1	

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD91ODCD91OD.ad.B5%.0.50ml.B.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD91ODCD91OD.ad.B5%.0.50ml.B.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B5%-0.5mL-60min from C:\TOTALCHROM DATA\Results\Claudia\CD91ODCD91OD.ad.B5%.0.50ml.B.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B5%-0.5mL-60min from C:\TOTALCHROM DATA\Results\Claudia results\CD91ODCD91OD.ad.B5%.0.50ml.B.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B5%-0.5mL-60min from C:\TOTALCHROM DATA\Results\Claudia results\CD91ODCD91OD.ad.B5%.0.50ml.B.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD91OD-.ad.B5%.0.50ml.-..seq

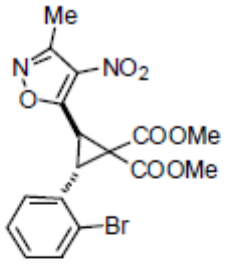
DEFAULT REPORT

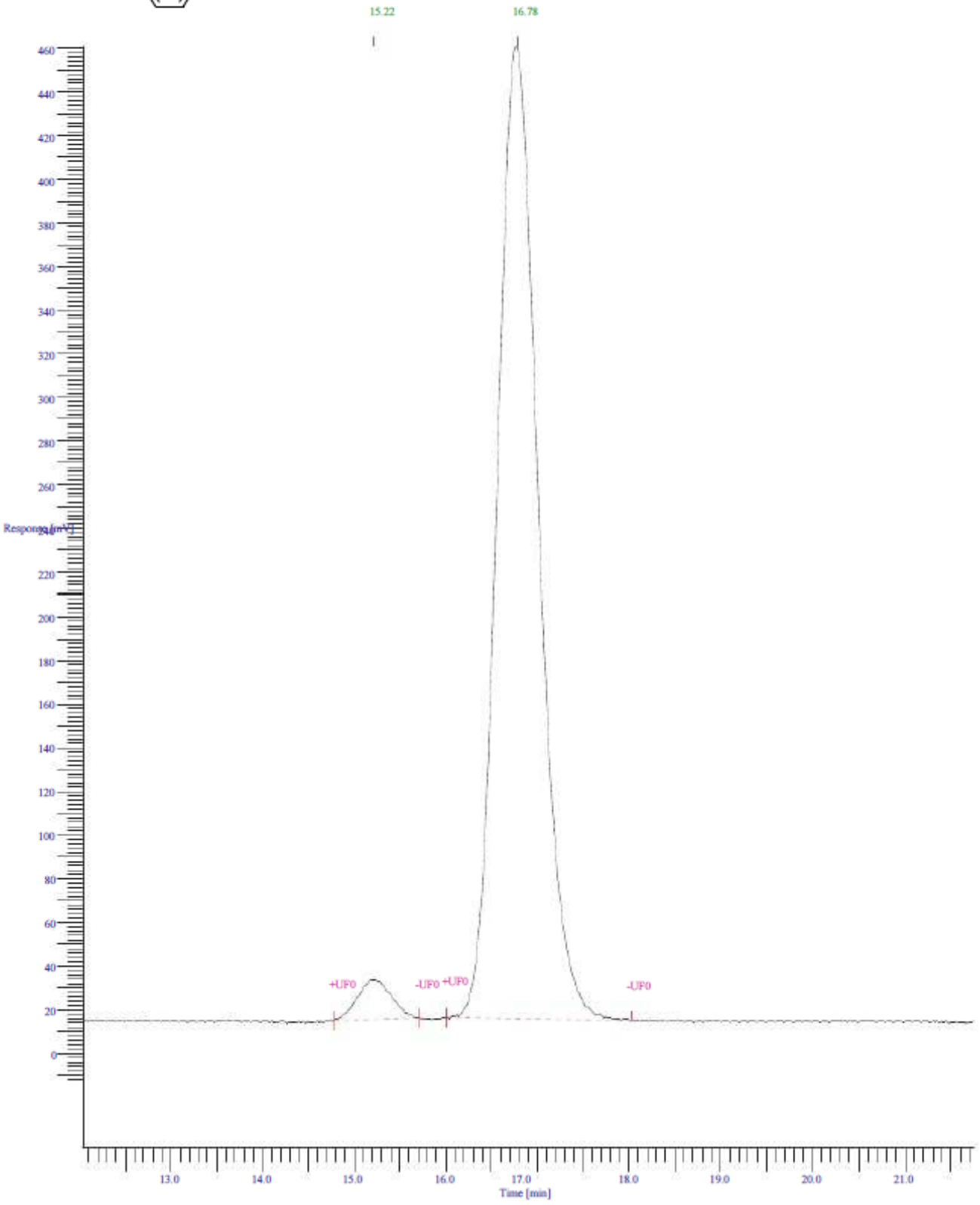
Peak #Name	Component	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal.VoltBL Range	Range		Raw Amount	Adjusted Amount
1		28.842	6734901.13	73626.80	50.16	50.16			*MM	6.7349	6.7349
2		39.864	6690779.14	57245.53	49.84	49.84			*MM	6.6908	6.6908
			13425680.26	130872.33	100.00	100.00				13.4257	13.4257

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found





Software Version	: 6.3.1.0504	Date	: 15/04/2011 15:03:23
Operator	: manager	Sample Name	: CD76
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.00 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject: 0.000000	
Data Acquisition Time	: 24/02/2011 15:07:32	Dilution Factor : 1.00	
		Cycle: 1	

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD76CD76.ad.B10%.1ml.B.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD76CD76.ad.B10%.1ml.B.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia\CD76CD76.ad.B10%.1ml.B.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia results\CD76CD76.ad.B10%.1ml.B.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia results\CD76CD76.ad.B10%.1ml.B.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD76-.ad.B10%.1ml.-..seq

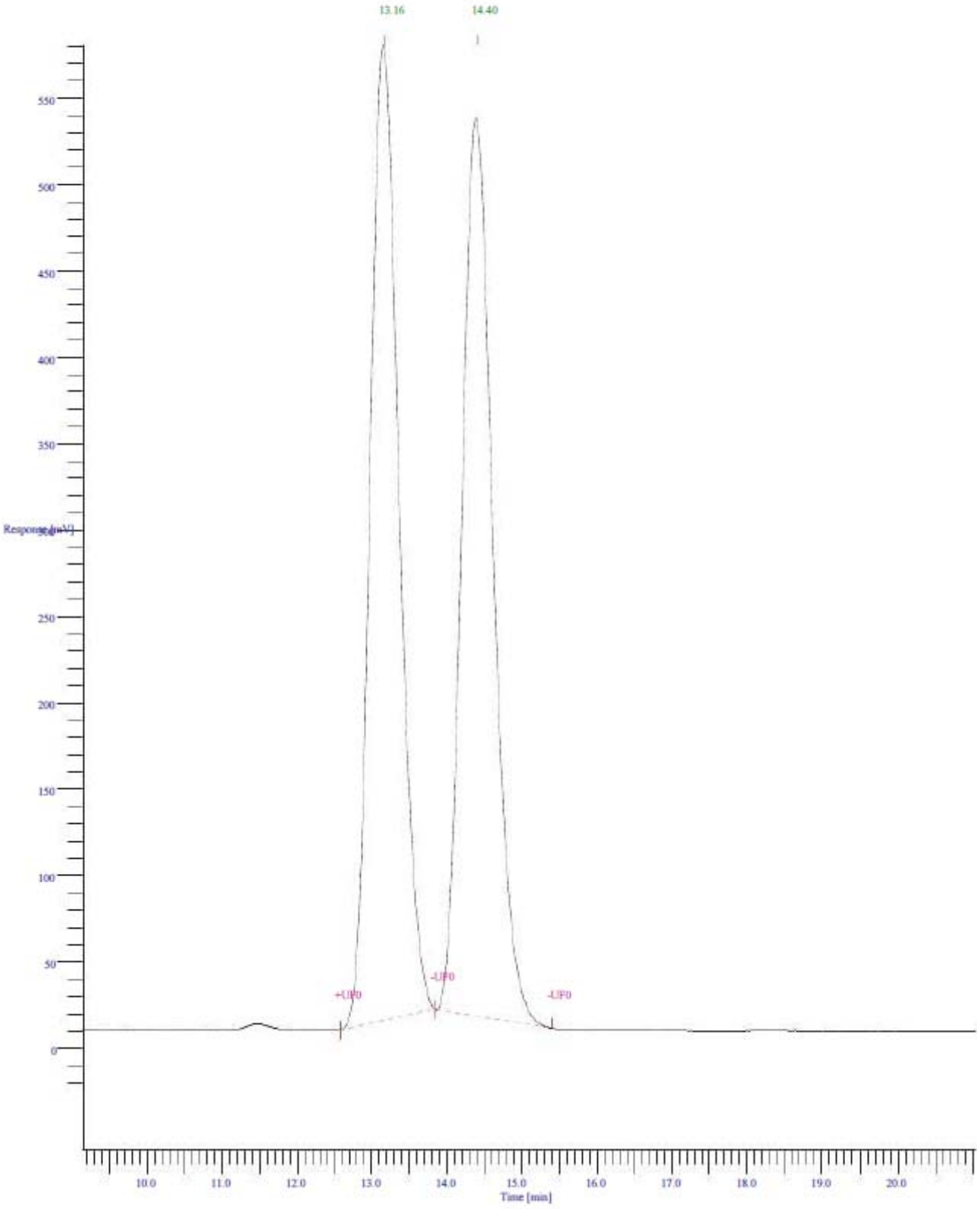
DEFAULT REPORT

Peak #Name	Component	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal.VoltBL Range	Range		Raw Amount	Adjusted Amount
1		15.217	472008.21	18308.40	3.28	3.28			*MM	0.4720	0.4720
2		16.779	13902224.40	444960.11	96.72	96.72			*MM	13.9022	13.9022
			14374232.61	463268.50	100.00						
						100.00				14.3742	14.3742

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 15/04/2011 15:05:25
Operator	: manager	Sample Name	: CD92
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.00 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul	Area Reject: 0.000000	
Sample Amount	: 1.0000	Dilution Factor : 1.00	
Data Acquisition Time	: 30/03/2011 11:11:32	Cycle: 1	

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD92CD92.ad.B10%.1ml.B.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD92CD92.ad.B10%.1ml.B.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia\CD92CD92.ad.B10%.1ml.B.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia results\CD92CD92.ad.B10%.1ml.B.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B10%-1mL-40min from C:\TOTALCHROM DATA\Results\Claudia results\CD92CD92.ad.B10%.1ml.B.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\Blank-.ad.B10%.1ml.-..seq

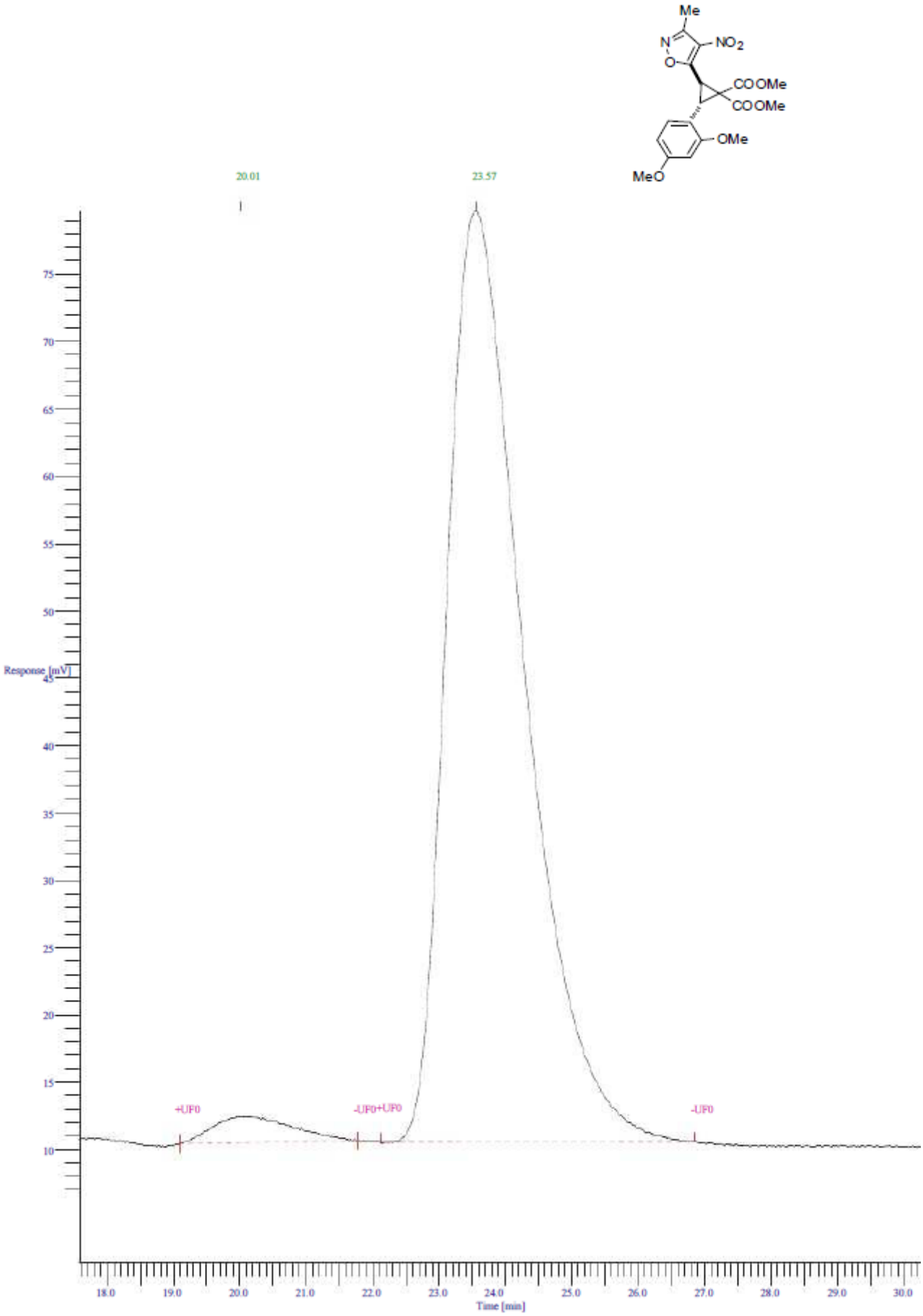
DEFAULT REPORT

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal.VoltBL Range	Range		Raw Amount	Adjusted Amount
1		13.156	15129904.88	564799.47	50.08	50.08			*MM	15.1299	15.1299
2		14.395	15079482.20	519665.54	49.92	49.92			*MM	15.0795	15.0795
			30209387.08	1.08e+06	100.00	100.00				30.2094	30.2094

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 15/04/2011 15:08:22
Operator	: manager	Sample Name	: CD77Best
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.00 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul	Area Reject: 0.000000	
Sample Amount	: 1.0000	Dilution Factor : 1.00	
Data Acquisition Time	: 25/03/2011 12:12:51	Cycle: 1	

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD77BestCD77Best.ad.B20%.0.75ml.B.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD77BestCD77Best.ad.B20%.0.75ml.B.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B20%-0.75mL-40min from C:\TOTALCHROM DATA\Results\Claudia\CD77BestCD77Best.ad.B20%.0.75ml.B.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B20%-0.75mL-40min from C:\TOTALCHROM DATA\Results\Claudia results\CD77BestCD77Best.ad.B20%.0.75ml.B.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B20%-0.75mL-40min from C:\TOTALCHROM DATA\Results\Claudia results\CD77BestCD77Best.ad.B20%.0.75ml.B.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD77Best-.ad.B20%.0.75ml.-..seq

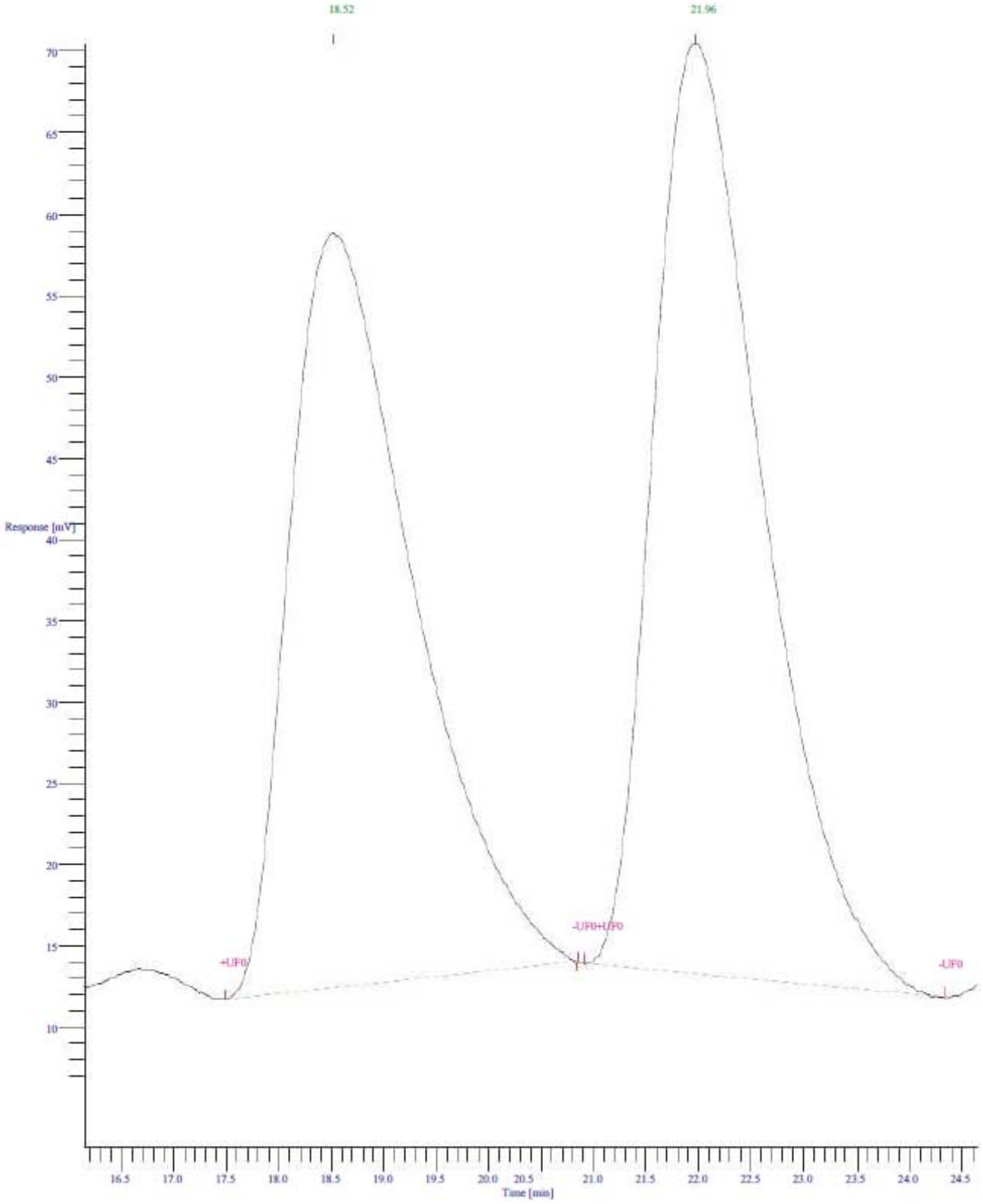
DEFAULT REPORT

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal.VoltBL Range	Range		Raw Amount	Adjusted Amount
1		20.013	166014.38	1976.39	2.87	2.87			*MM	0.1660	0.1660
2		23.569	5609374.76	69153.20	97.13	97.13			*MM	5.6094	5.6094
			5775389.15	71129.60	100.00	100.00				5.7754	5.7754

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 15/04/2011 15:10:36
Operator	: manager	Sample Name	: CD93ChiralcellOD
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.00 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject: 0.000000	
Data Acquisition Time	: 05/04/2011 17:30:34	Dilution Factor : 1.00	
		Cycle: 1	

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD93ChiralcellODCD93ChiralcellOD.ad.B20%.0.75ml.B.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD93ChiralcellODCD93ChiralcellOD.ad.B20%.0.75ml.B.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B20%-0.75mL-40min from C:\TOTALCHROM DATA\Results\Claudia\CD93ChiralcellODCD93ChiralcellOD.ad.B20%.0.75ml.B.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B20%-0.75mL-40min from C:\TOTALCHROM DATA\Results\Claudia results\CD93ChiralcellODCD93ChiralcellOD.ad.B20%.0.75ml.B.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B20%-0.75mL-40min from C:\TOTALCHROM DATA\Results\Claudia results\CD93ChiralcellODCD93ChiralcellOD.ad.B20%.0.75ml.B.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD93ChiralcellOD-.ad.B20%.0.75ml.-..seq

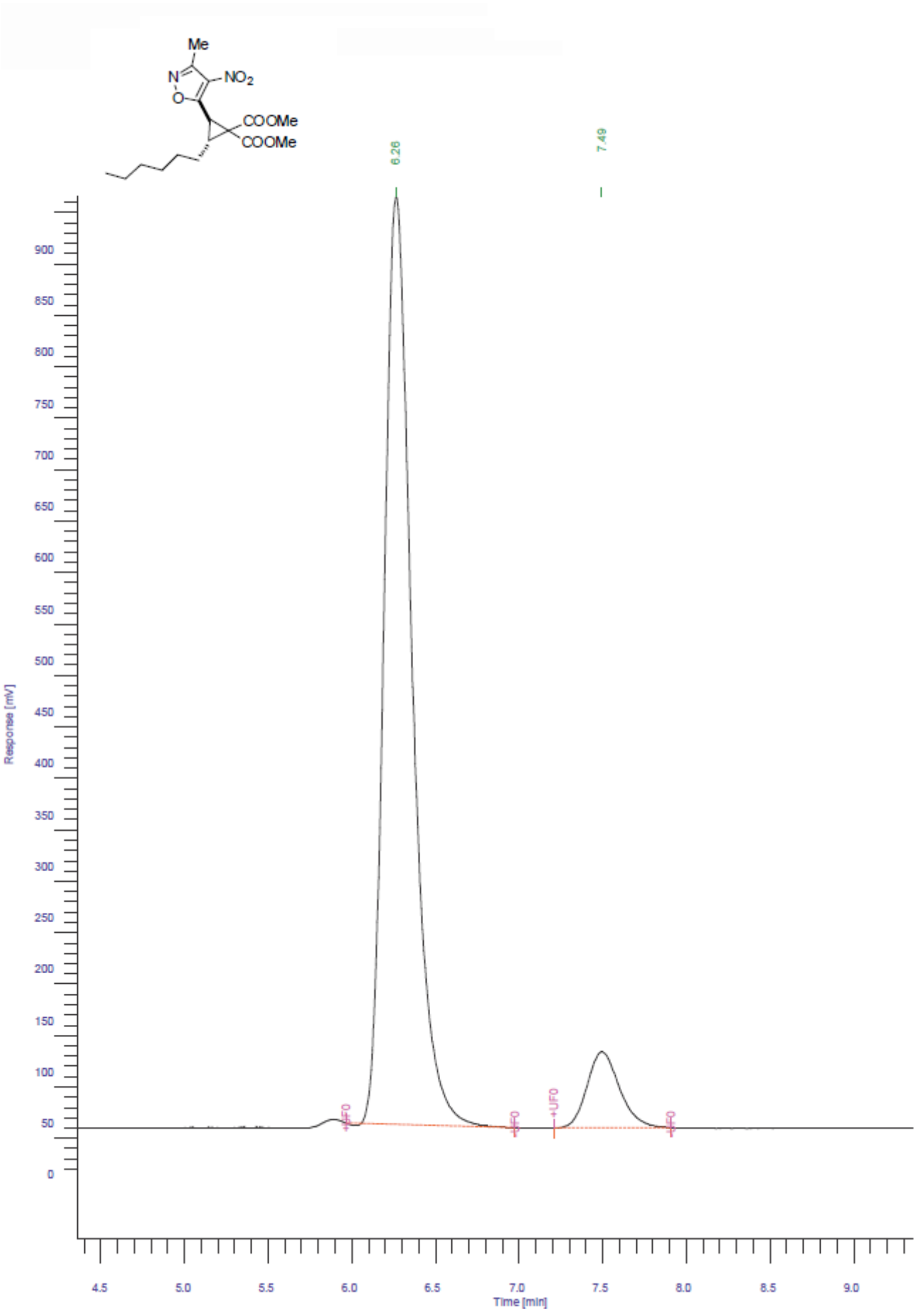
DEFAULT REPORT

Peak #Name	Component	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]Range	Cal.VoltBL Range			Raw Amount	Adjusted Amount
1		18.517	3805366.87	46415.32	47.70	47.70			*MM	3.8054	3.8054
2		21.963	4172767.99	57112.58	52.30	52.30			*MM	4.1728	4.1728
			7978134.87	103527.90	100.00	100.00				7.9781	7.9781

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 20/04/2011 14:49:28
Operator	: manager	Sample Name	: CD88-C
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 15.00 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 20/04/2011 12:38:43	Dilution Factor	: 1.00
		Cycle	: 1

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD88-CCD88-C.ad.B5%.1ml.B.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD88-CCD88-C.ad.B5%.1ml.B.001.rst [Editing in Progress] Inst Method : C:\TOTALCHROM DATA\Methods\B5%-1mL-15min from C:\TOTALCHROM DATA\Results\Claudia\CD88-CCD88-C.ad.B5%.1ml.B.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B5%-1mL-15min from C:\TOTALCHROM DATA\Results\Claudia results\CD88-CCD88-C.ad.B5%.1ml.B.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B5%-1mL-15min from C:\TOTALCHROM DATA\Results\Claudia results\CD88-CCD88-C.ad.B5%.1ml.B.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\Blank-.ad.B5%.1ml.-..seq

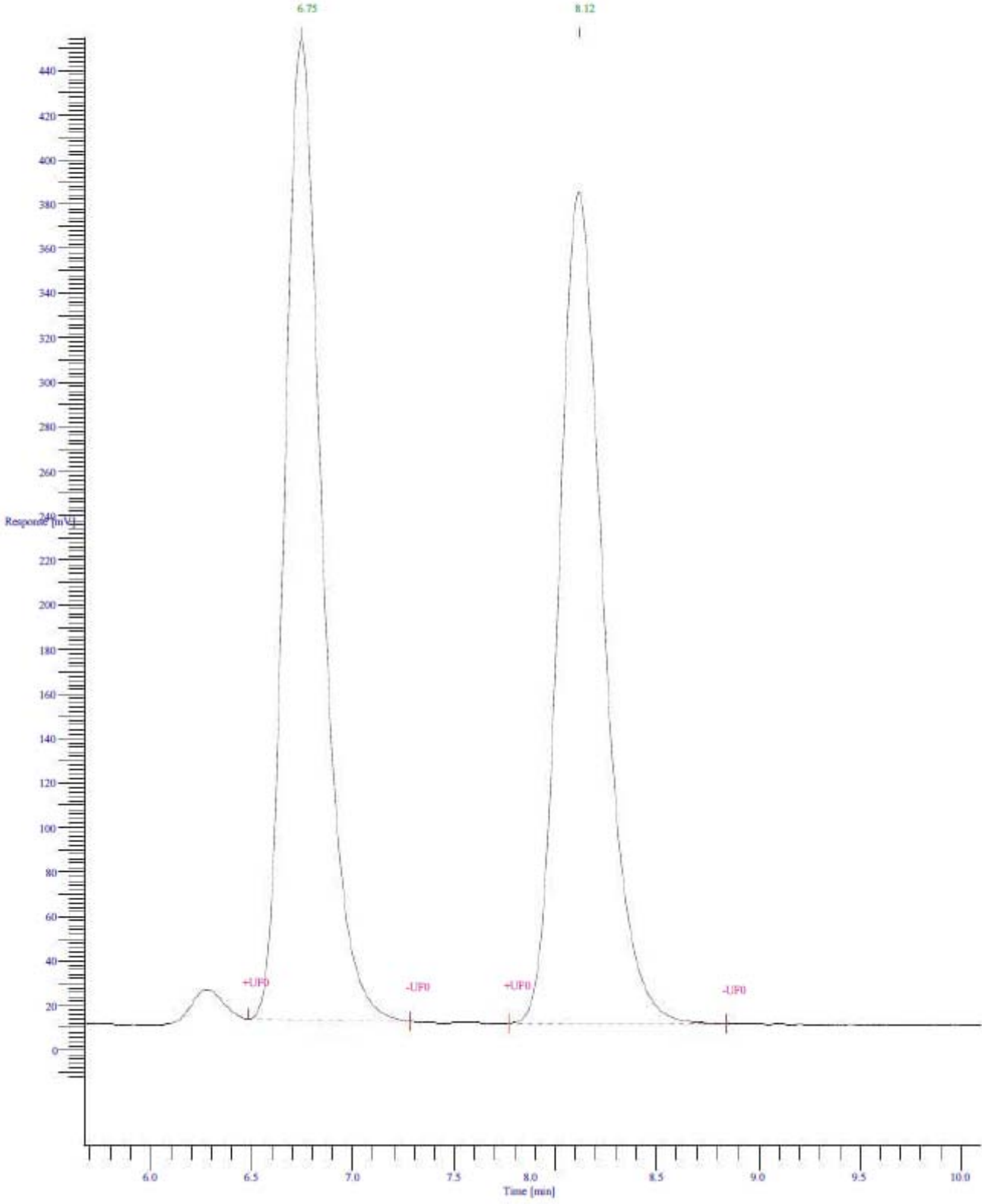
DEFAULT REPORT

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal. Range	Volt Range	BL	Raw Amount	Adjusted Amount
1		6.263	10479752.79	901363.67	91.30	91.30			*MM	10.4798	10.4798
2		7.495	997870.53	73822.33	8.69	8.69			*MM	0.9979	0.9979
3		13.662	478.27	52.05	0.00	0.00			*MM	0.0005	0.0005
4		14.696	334.97	54.06	0.00	0.00			*MM	0.0003	0.0003
			11478436.57	975292.11	100.00	100.00				11.4784	11.4784

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	: 6.3.1.0504	Date	: 15/04/2011 15:13:14
Operator	: manager	Sample Name	: CD-97
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: B
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 29.99 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject: 0.000000	
Data Acquisition Time	: 30/03/2011 15:25:19	Dilution Factor : 1.00	
		Cycle: 1	

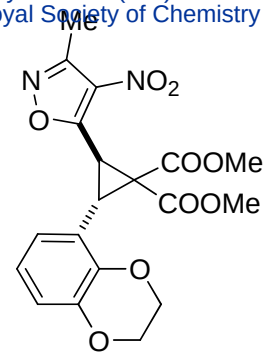
Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD97CD-97.ad.B5%.1.0ml.B.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD97CD-97.ad.B5%.1.0ml.B.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B5%-1mL-30min from C:\TOTALCHROM DATA\Results\Claudia\CD97CD-97.ad.B5%.1.0ml.B.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B5%-1mL-30min from C:\TOTALCHROM DATA\Results\Claudia results\CD97CD-97.ad.B5%.1.0ml.B.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B5%-1mL-30min from C:\TOTALCHROM DATA\Results\Claudia results\CD97CD-97.ad.B5%.1.0ml.B.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD97-.ad.B5%.1.0ml.-..seq

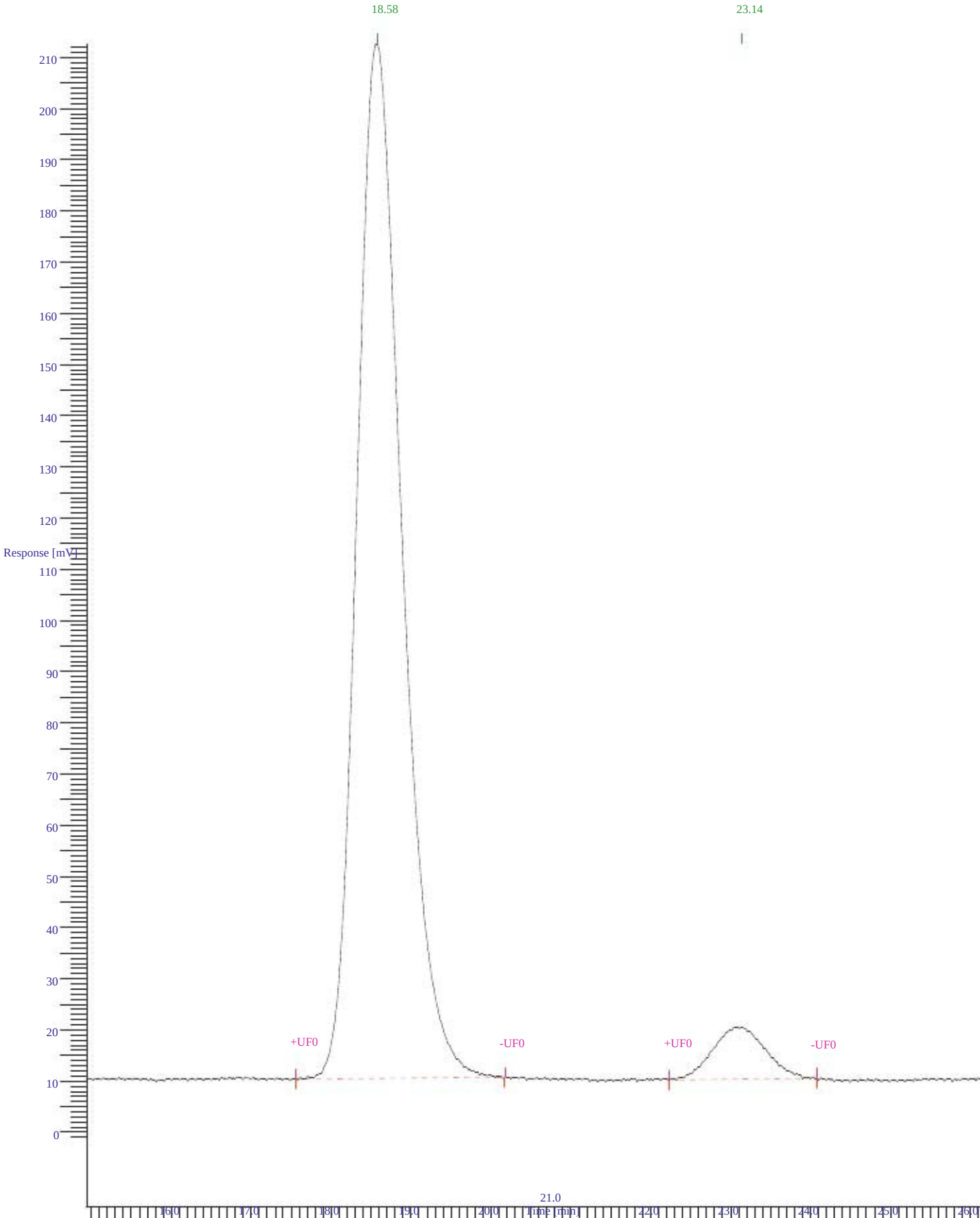
DEFAULT REPORT

Peak #Name	Component	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal.VoltBL Range	Range		Raw Amount	Adjusted Amount
1		6.747	5621722.72	441060.84	49.66	49.66			*MM	5.6217	5.6217
2		8.118	5697925.19	373365.25	50.34	50.34			*MM	5.6979	5.6979
			11319647.91	814426.09	100.00	100.00				11.3196	11.3196

Missing Component Report
Component Expected Retention (Calibration File)

All components were found





Software Version	: 6.3.1.0504		Date	: 14/04/2011 16:55:24
Operator	: manager		Sample Name	: CD65
Sample Number	:		Study	:
AutoSampler	: SER200		Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC		Channel	: B
Instrument Serial #	: None		A/D mV Range	: 1000
Delay Time	: 0.00 min		End Time	: 29.99 min
Sampling Rate	: 2.2727 pts/s			
Sample Volume	: 1.000000 ul			
Sample Amount	: 1.0000		Area Reject: 0.000000	
Data Acquisition Time	: 11/02/2011 14:57:42		Dilution Factor : 1.00	
			Cycle: 1	

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD65CD65.ad.B20%.1ml.30minB.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia results\CD65CD65.ad.B20%.1ml.30minB.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia\CD65CD65.ad.B20%.1ml.30minB.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia results\CD65CD65.ad.B20%.1ml.30minB.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia results\CD65CD65.ad.B20%.1ml.30minB.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD64-.ad.B20%.1ml.30min-..seq

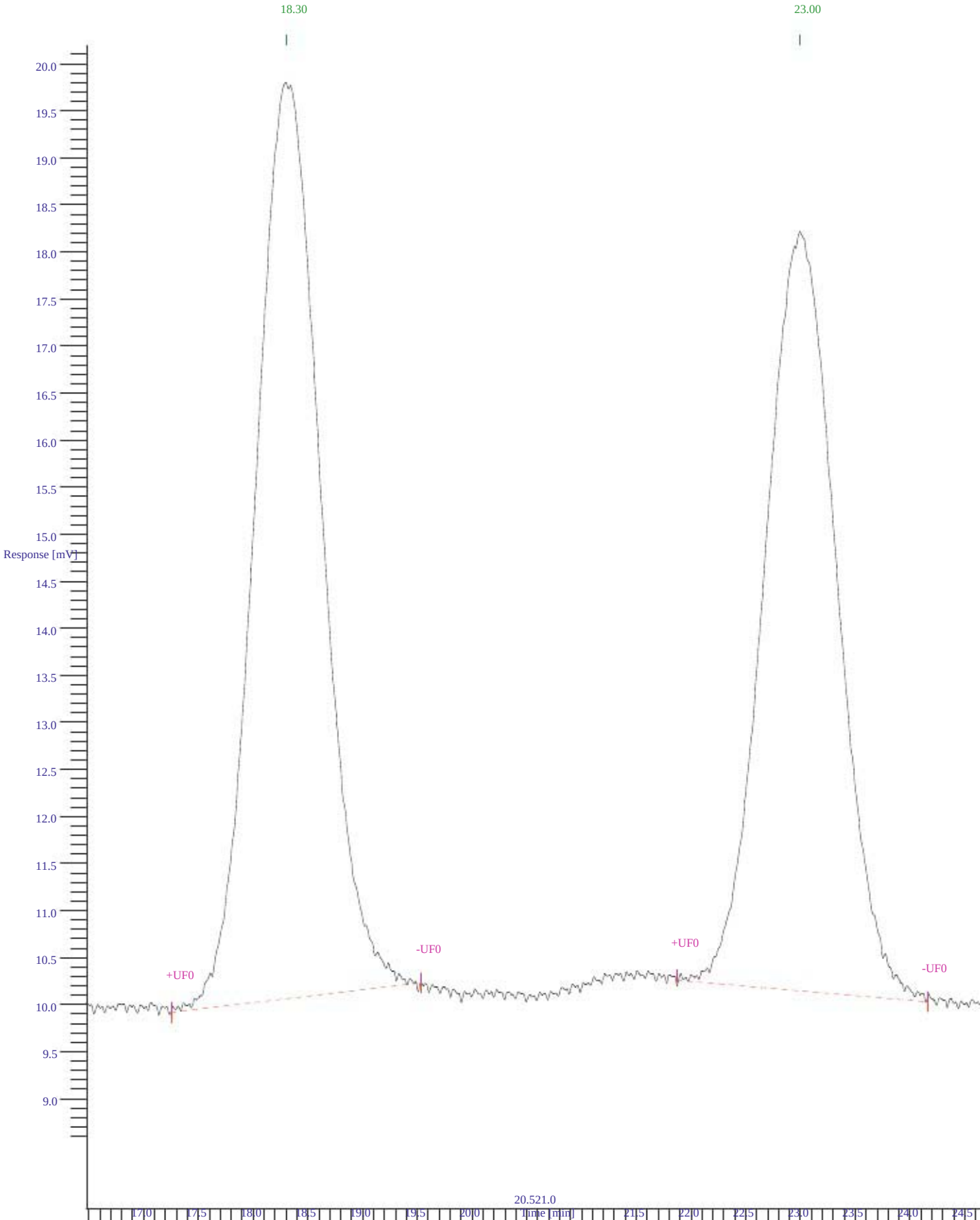
DEFAULT REPORT

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal.VoltBL Range	Range		Raw Amount	Adjusted Amount
1		18.575	7974959.83	202182.09	95.05	95.05			*MM	7.9750	7.9750
2		23.144	415397.11	9722.32	4.95	4.95			*MM	0.4154	0.4154
			8390356.94	211904.41	100.00	100.00				8.3904	8.3904

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found



Software Version	:	6.3.1.0504	Date	:	14/04/2011 16:56:56
Operator	:	manager	Sample Name	:	CD65 Racemate
Sample Number	:		Study	:	
AutoSampler	:	SER200	Rack/Vial	:	0/12
Instrument Name	:	PerkinElmer LC	Channel	:	B
Instrument Serial #	:	None	A/D mV Range	:	1000
Delay Time	:	0.00 min	End Time	:	32.35 min
Sampling Rate	:	2.2727 pts/s			
Sample Volume	:	1.000000 ul			
Sample Amount	:	1.0000	Area Reject: 0.000000		
Data Acquisition Time	:	17/12/2010 14:58:23	Dilution Factor : 1.00		
			Cycle: 4		

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD65 Racemate.ad.B20%.1ml.B.007.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia\CD65 Racemate.ad.B20%.1ml.B.007.rst
Inst Method : C:\TOTALCHROM DATA\Methods\B20%-1mL-120min from C:\TOTALCHROM DATA\Results\Claudia\CD65 Racemate.ad.B20%.1ml.B.007.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B20%-1mL-120min.mth from C:\TOTALCHROM DATA\Results\Claudia\CD65 Racemate.ad.B20%.1ml.B.007.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B20%-1mL-120min.mth from C:\TOTALCHROM DATA\Results\Claudia\CD65 Racemate.ad.B20%.1ml.B.007.rst [Editing in Progress]
Report Format File: C:\TOTALCHROM DATA\Methods\default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD65 Racemate.ad.B20%.1ml.-..seq

DEFAULT REPORT

Peak #	Time [min]	Area [µV·s]	Height [µV]	Area [%]	Norm. Area [%]	BL	Area/Height [s]
1	18.304	412861.13	9746.55	52.61	52.61	*MM	42.3597
2	22.997	371902.00	8069.93	47.39	47.39	*MM	46.0849
		784763.13	17816.48	100.00	100.00		

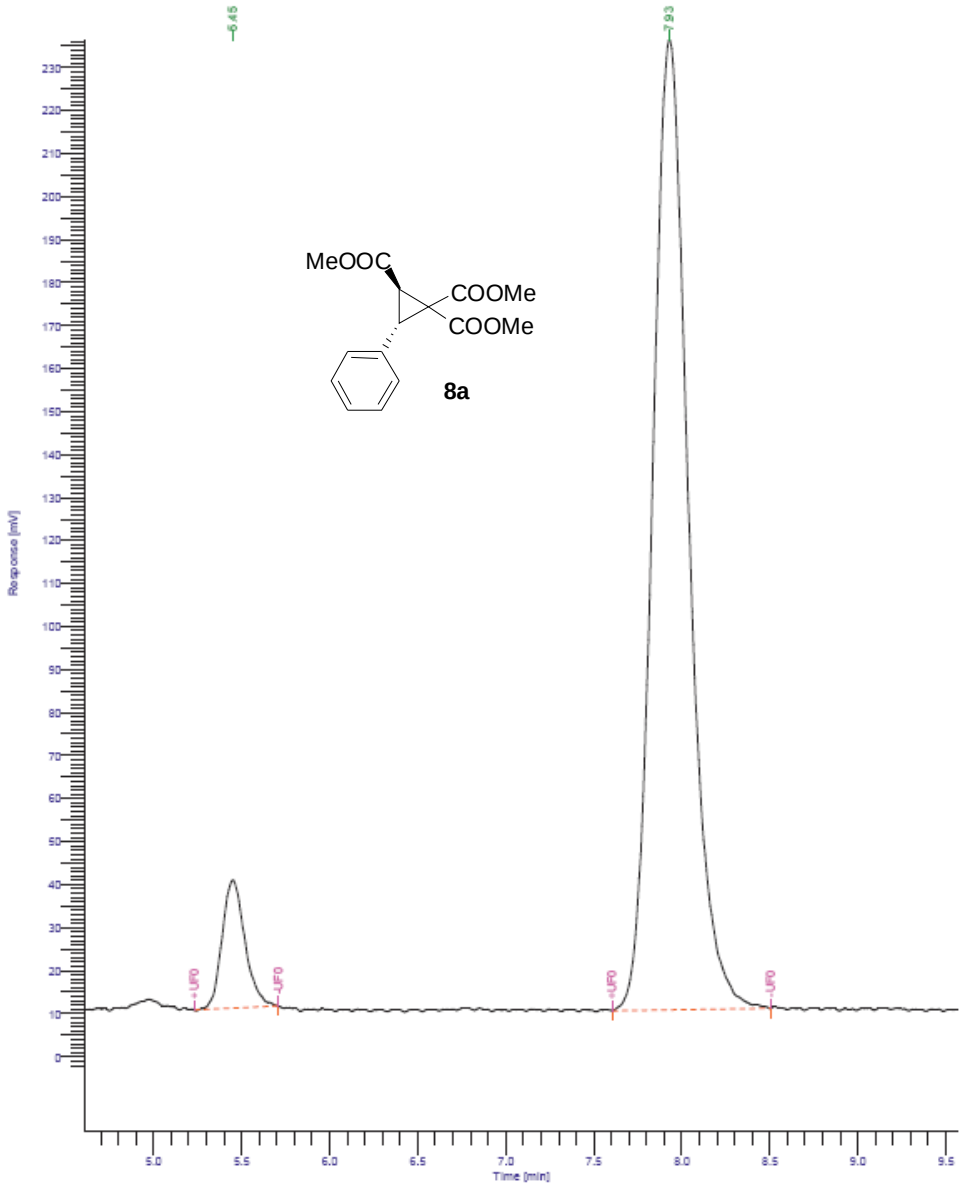
Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Chromatogram

Sample Name : CD56 Sample #: Page 1 of 1
FileName : C:\TOTALCHROM DATA\Results\Claudia\CD56CD56B20%.1ml.30minA.001.raw
Date : 02/06/2011 16:19:22
Method : Time of injection: 04/02/2011 13:14:20
Start Time : 4.61 min End Time : 9.56 min Low Point : -2.40 mAU High Point : 236.44 mAU
Plot Offset: -2.40 mAU Plot Scale: 238.8 mAU



Software Version	: 6.3.1.0504	Date	: 02/06/2011 16:18:54
Operator	: manager	Sample Name	: CD56
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/1
Instrument Name	: PerkinElmer LC	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 29.99 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 04/02/2011 13:14:20	Dilution Factor	: 1.00
		Cycle	: 1

Raw Data File : C:\TOTALCHROM DATA\Results\Claudia\CD56CD56B20%.1ml.30minA.001.raw
Result File : C:\TOTALCHROM DATA\Results\Claudia\CD56CD56B20%.1ml.30minA.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia\CD56CD56B20%.1ml.30minA.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia\CD56CD56B20%.1ml.30minA.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B20%-1.0mL.30min from C:\TOTALCHROM DATA\Results\Claudia\CD56CD56B20%.1ml.30minA.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\CD56-B20%.1ml.30min-..seq

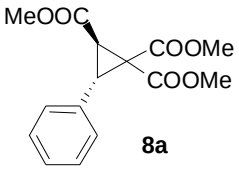
DEFAULT REPORT

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal. Range	Volt Range	BL	Raw Amount	Adjusted Amount
1		5.449	268871.14	29720.48	7.73	7.73			*MM	0.2689	0.2689
2		7.927	3211001.24	225563.68	92.27	92.27			*MM	3.2110	3.2110
			3479872.37	255284.16	100.00	100.00				3.4799	3.4799

Missing Component Report

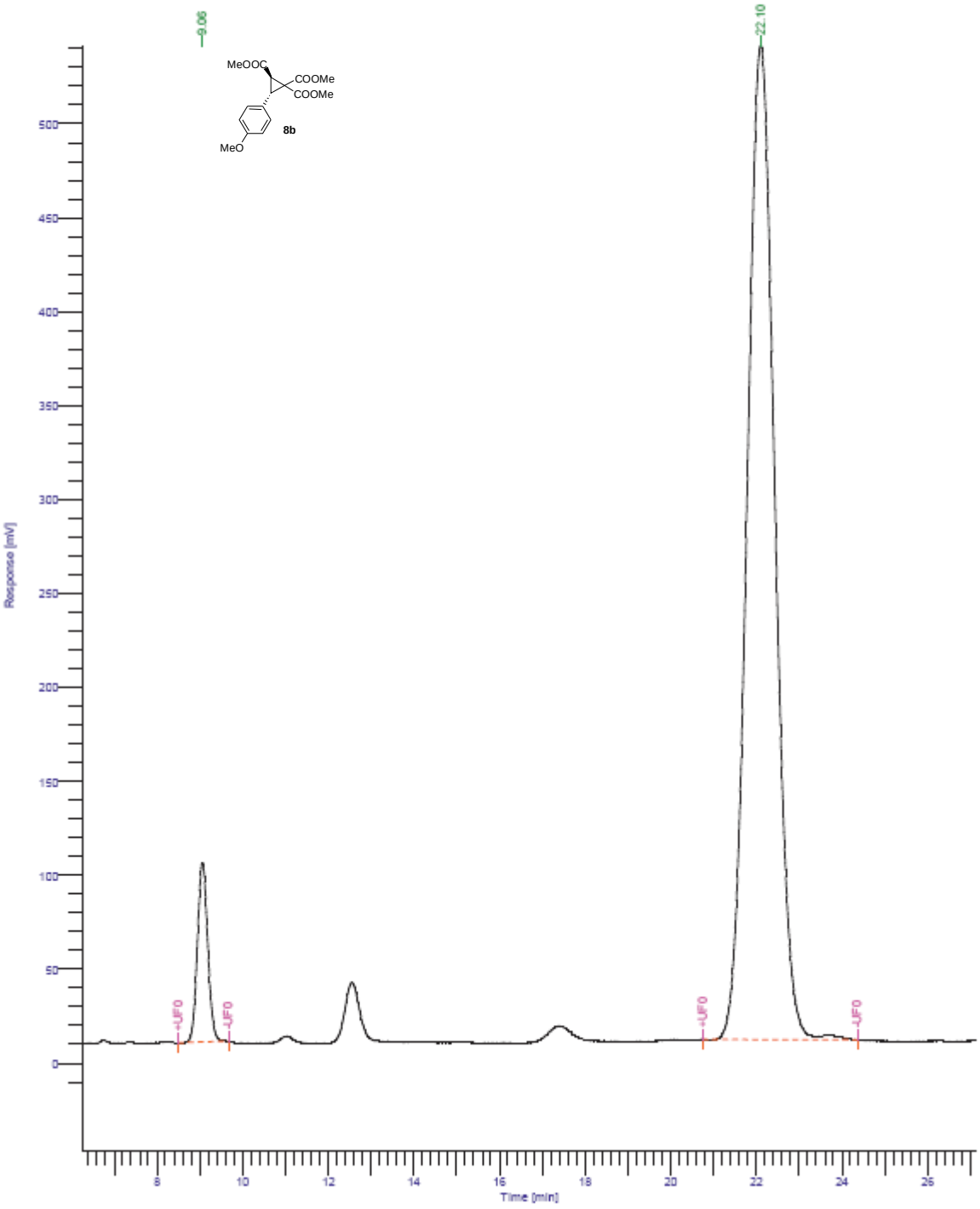
Component	Expected Retention (Calibration File)

All components were found

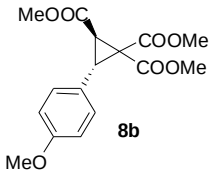


8a

Sample Name : 386 Sample #: Page 1 of 1
FileName : C:\TOTALCHROM DATA\Results\Linda\PRS386.ad.B20%.1ml.30min.A.001.raw
Date : 02/06/2011 15:22:43
Method : Time of Injection: 12/02/2010 11:29:47
Start Time : 6.28 min End Time : 27.11 min Low Point : -11.72 mAU High Point : 541.62 mAU
Plot Offset: -11.72 mAU Plot Scale: 553.3 mAU



Software Version	: 6.3.1.0504	Date	: 02/06/2011 16:21:38
Operator	: manager	Sample Name	: 386
Sample Number	:	Study	:
AutoSampler	: SER200	Rack/Vial	: 0/12
Instrument Name	: PerkinElmer LC	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 29.99 min
Sampling Rate	: 2.2727 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 12/02/2010 11:29:47	Dilution Factor	: 1.00
		Cycle	: 1



8b

Raw Data File : C:\TOTALCHROM DATA\Results\Linda\PRS386.ad.B20%.1ml.30min.A.001.raw
Result File : C:\TOTALCHROM DATA\Results\Linda\PRS386.ad.B20%.1ml.30min.A.001.rst [Editing in Progress]
Inst Method : C:\TOTALCHROM DATA\Methods\B20%-1mL-30min from C:\TOTALCHROM DATA\Results\Linda\PRS386.ad.B20%.1ml.30min.A.001.raw
Proc Method : C:\TOTALCHROM DATA\Methods\B20%-1mL-30min from C:\TOTALCHROM DATA\Results\Linda\PRS386.ad.B20%.1ml.30min.A.001.rst [Editing in Progress]
Calib Method : C:\TOTALCHROM DATA\Methods\B20%-1mL-30min from C:\TOTALCHROM DATA\Results\Linda\PRS386.ad.B20%.1ml.30min.A.001.rst [Editing in Progress]
Report Format File: C:\PenExe\TcWS\Ver6.3.1\Config\User\manager\Default.rpt
Sequence File : C:\TOTALCHROM DATA\Sequences\PRS-.ad.B20%.1ml.30min.-..seq

DEFAULT REPORT

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Cal. Range	Volt Range	BL	Raw Amount	Adjusted Amount
1		9.064	1609535.81	95525.18	6.36	6.36			*MM	1.6095	1.6095
2		22.103	23689544.13	529096.62	93.64	93.64			*MM	23.6895	23.6895
			25299079.94	624621.79	100.00	100.00				25.2991	25.2991

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found