



Article

Synthesis, In Vitro Antiproliferative Activity, and In Silico Evaluation of Novel Oxiranyl-Quinoxaline Derivatives

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⁵ APHM, Hôpital Conception, Service Central de la Qualité et de l'Information Pharmaceutiques, 13005 Marseille, France

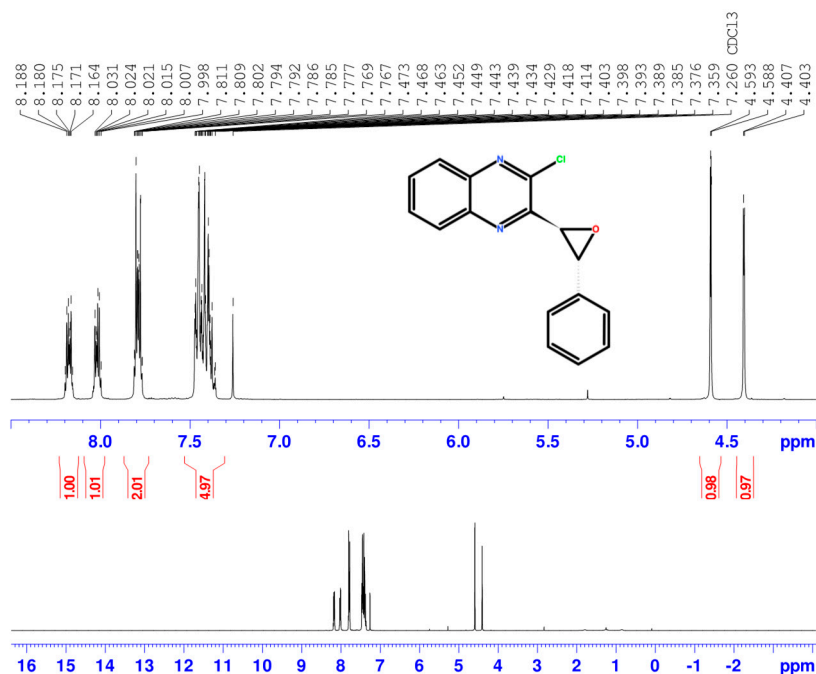
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SUPPLEMENTARY DATA

- Compound 2a
- Compound 2b
- Compound 3a
- Compound 4a
- Compound 4b
- Compound 5a
- Compound 5b
- Compound 6a
- Compound 7a
- Compound 7b
- Compound 8a
- Compound 8b
- Compound 9a
- Compound 9b
- Compound 10a
- Compound 10b
- Compound 11a
- Compound 11b
- Compound 12a
- Compound 13
- Compound 14a
- Compound 14b
- Compound 15a
- Compound 16a
- Compound 16b
- Compound 17a
- Compound 17b
- Compound 18a
- Compound 19a
- Compound 19b
- Compound 20a
- Compound 20b
- Compound 21a
- Compound 21b
- Compound 22a
- Compound 22b
- Compound 23a
- Compound 23b
- Compound 24a
- Compound 25

Compound 2a

PEP13F1

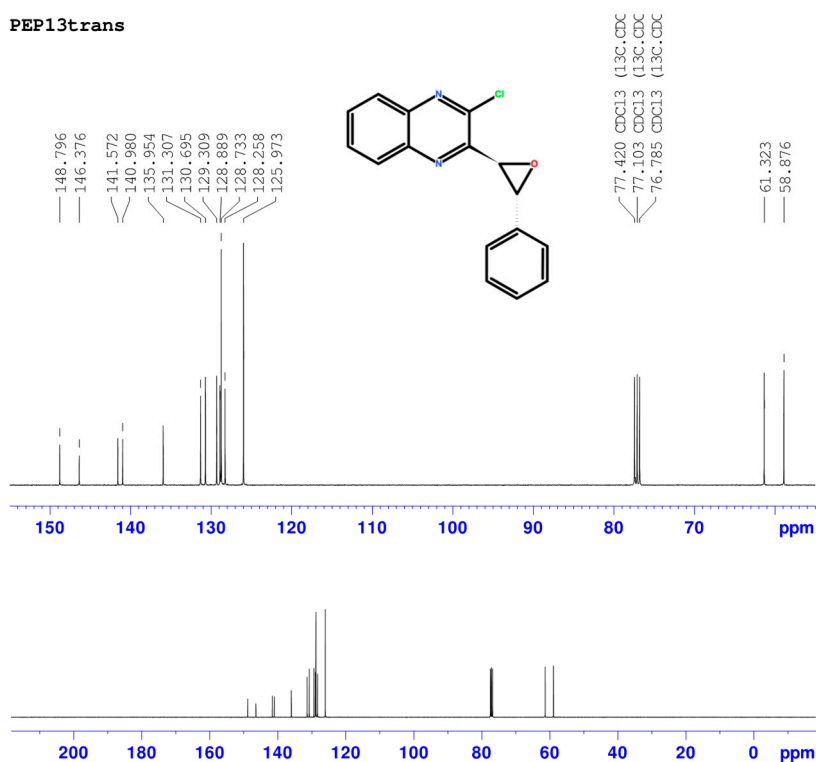


Current Data Parameters
NAME PEP13_F1_1H
EXPNO 1
PROCNO 1

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Date_ 20200611
Time 11.53 h
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PROBHD Z163739_0130 (1
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8196.722 Hz
FIDRES 0.250144 Hz
AQ 3.9976959 sec
RG 61.9951
DW 61.000 usec
DE 13.97 usec
TE 298.0 K
D1 1.00000000 sec
D11 1
SFO1 400.1324708 MHz
NUC1 1H
P0 2.51 usec
P1 7.53 usec
PLW1 22.809999947 W

F2 - Processing parameters
SI 65536
SF 400.1300102 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

PEP13trans



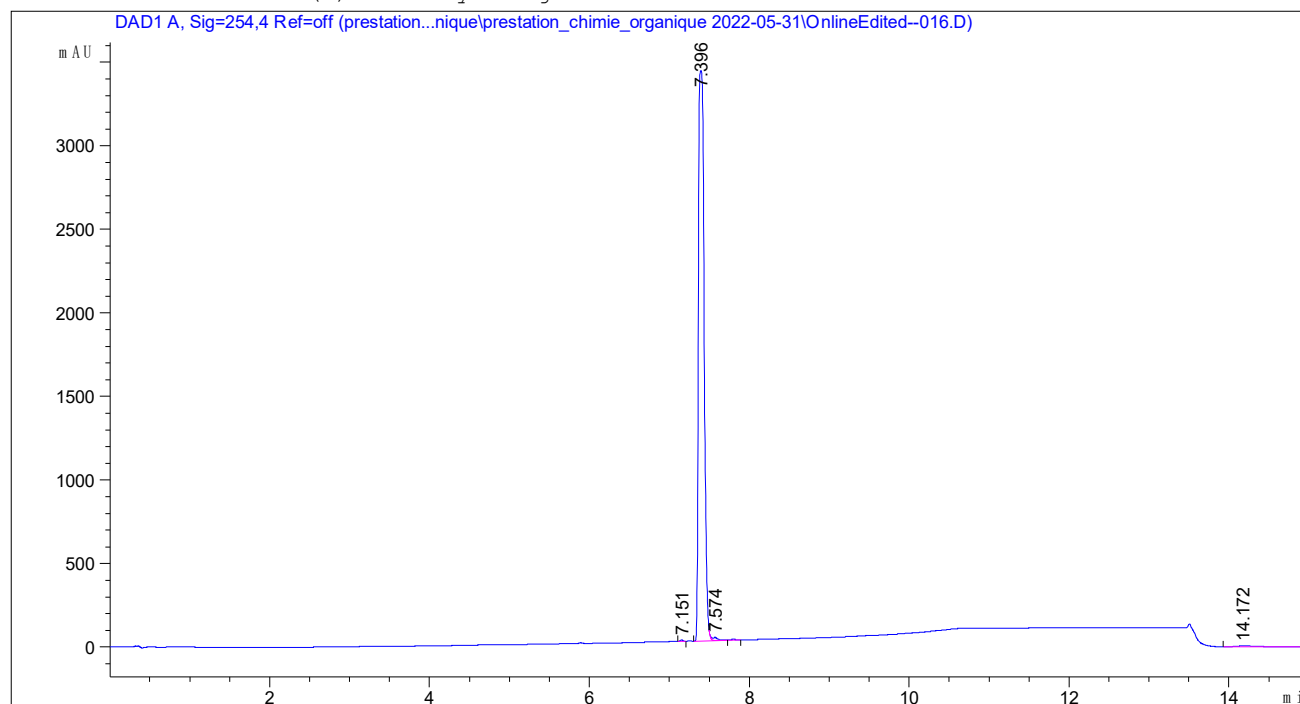
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EXPNO 20
PROCNO 1

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INSTRUM Avance NEO 400
PROBHD Z163739_0130 (1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 4
SWH 23809.523 Hz
FIDRES 0.726609 Hz
AQ 1.3762560 sec
RG 101
DW 21.000 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD 1
SFO1 100.6228298 MHz
NUC1 13C
P0 2.67 usec
P1 8.00 usec
PLW1 95.56300354 W
SFO2 400.1316005 MHz
NUC2 1H
CPCPD2 waltz165
PCPD2 90.00 usec
PLW2 22.809999947 W
PLW12 0.15967000 W
PLW13 0.08031400 W

F2 - Processing parameters
SI 32768
SF 100.6127685 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Data File C:\Chem32\...\rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--016.D
 Sample Name: PEP13F1

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Acq. Instrument : LC1290                     Location  :   P1-B6
Injection Date  : 31/5/2022 5:05:54 PM       Inj       :    1
                                           Inj Volume: 1.000 µl
Method         : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
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 Area Percent Report
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Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
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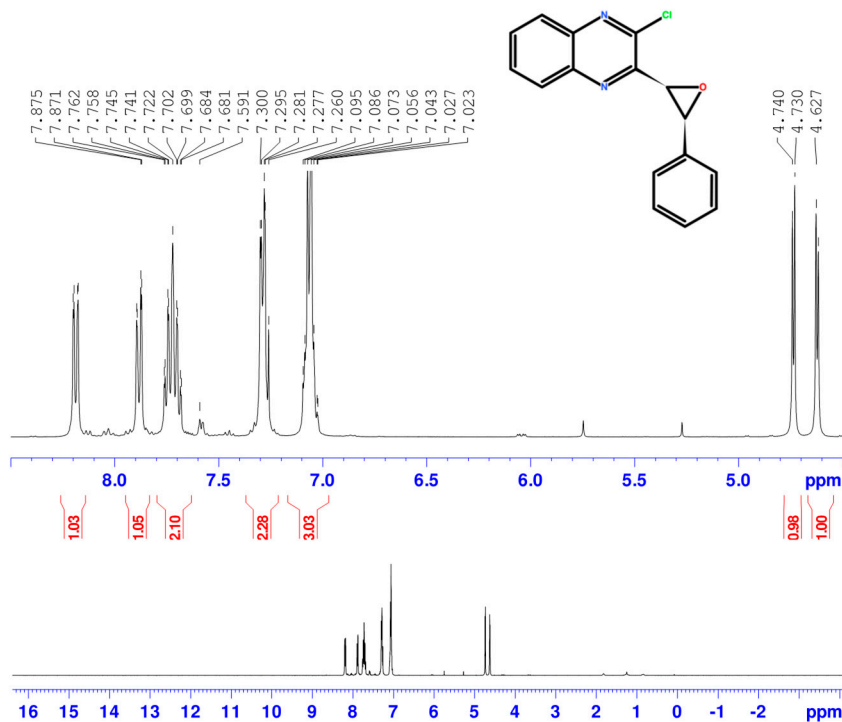
Signal 1: DAD1 A, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.151	BV	0.0378	22.95683	9.30063	0.1344
2	7.396	BV R	0.0785	1.68333e4	3412.13135	98.5352
3	7.574	VV E	0.0666	96.25467	19.49225	0.5634
4	14.172	BBA	0.2724	131.02750	6.17944	0.7670

Totals : 1.70835e4 3447.10367

Compound 2b

PEP13F2

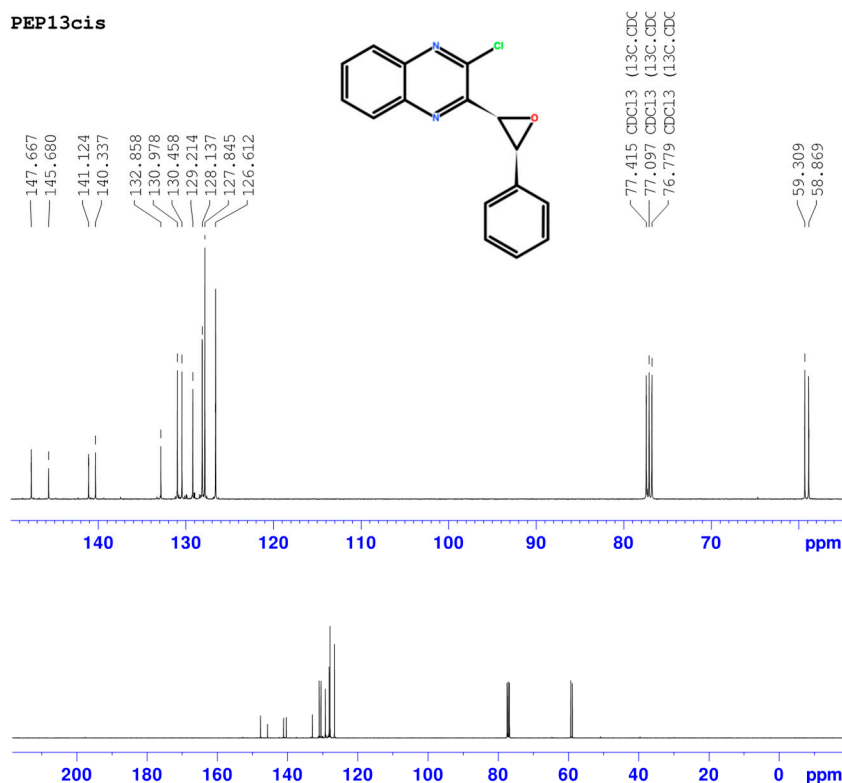


Current Data Parameters
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 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
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 Time 11.41 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 53.0812
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300103 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP13cis



Current Data Parameters
 NAME PEP13_F2_13C
 EXPNO 20
 PROCNO 1

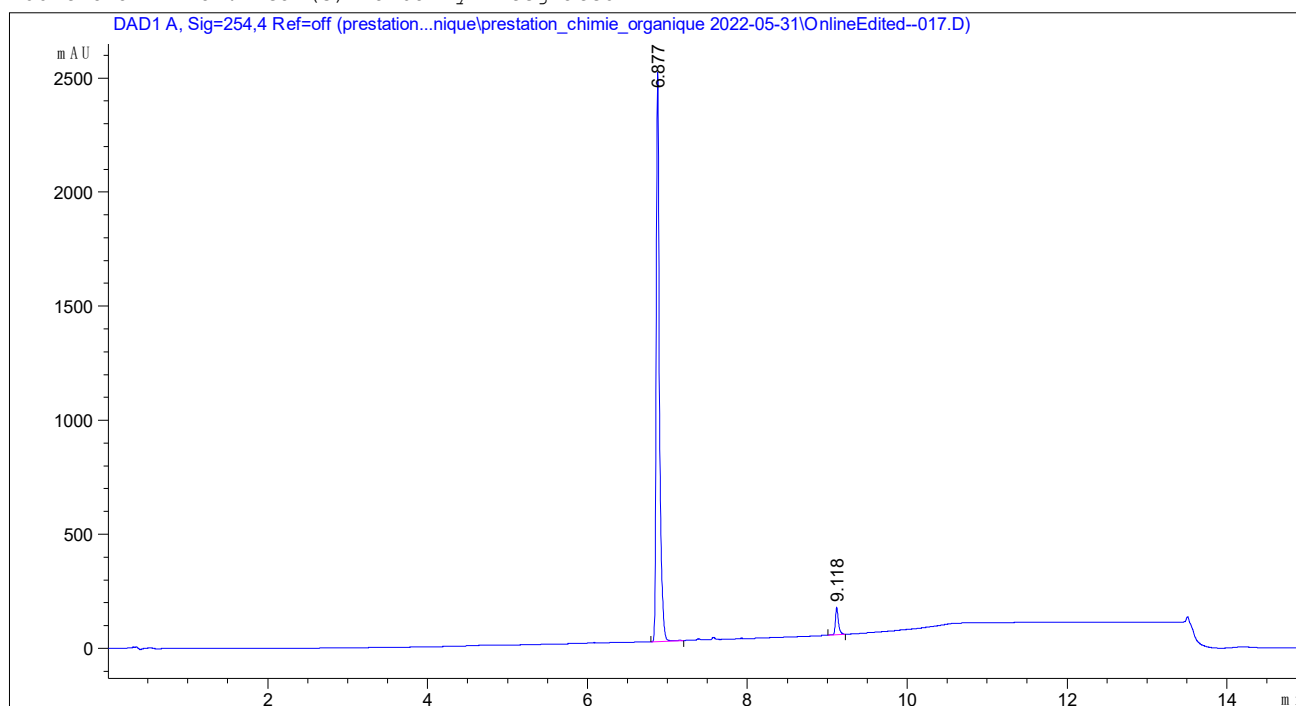
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 Date_ 20200614
 Time 8.15 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 2048
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.628298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...\rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--017.D
Sample Name: PEP13F2

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Acq. Operator   : SYSTEM                      Seq. Line :   17
Acq. Instrument : LC1290                     Location  :   P1-B7
Injection Date  : 31/5/2022 5:21:42 PM        Inj       :    1
                                           Inj Volume: 1.000 µl

Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info  : Peak(s) manually integrated
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                        Area Percent Report
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Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
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Signal 1: DAD1 A, Sig=254,4 Ref=off

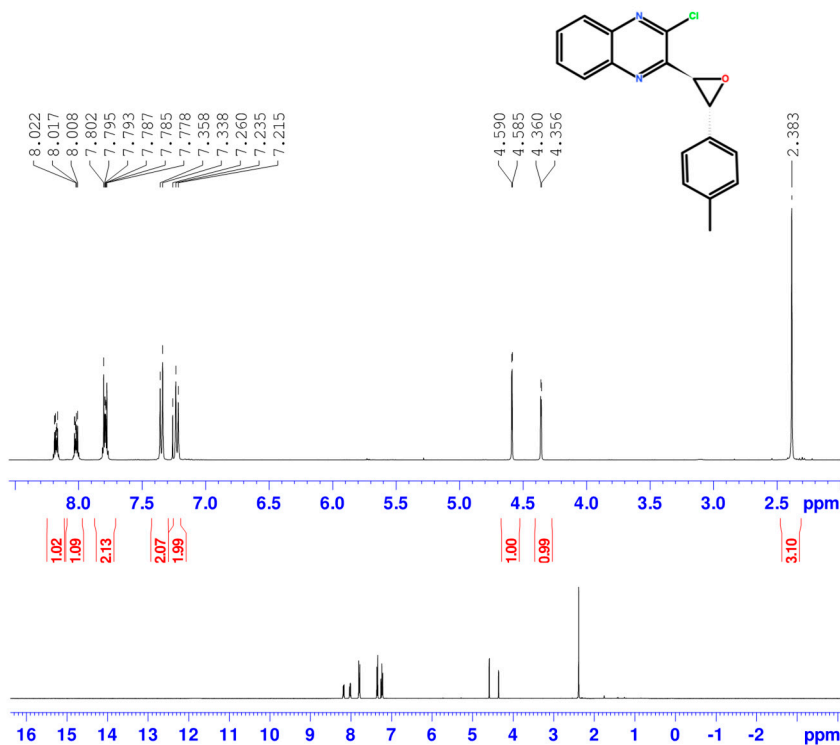
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.877	BV R	0.0424	7131.84277	2494.35254	95.8686
2	9.118	VB R	0.0377	307.34372	120.69427	4.1314

Totals : 7439.18649 2615.04681

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                        *** End of Report ***
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Compound 3a

PEP14F1

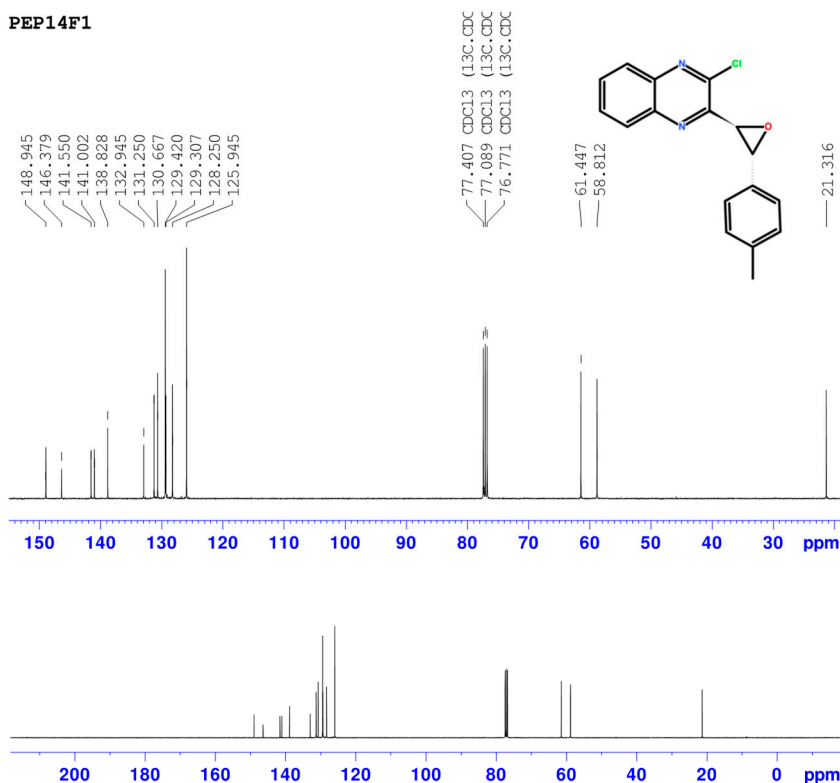


Current Data Parameters
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 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
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 Time 12.07 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 55.5128
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300102 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP14F1



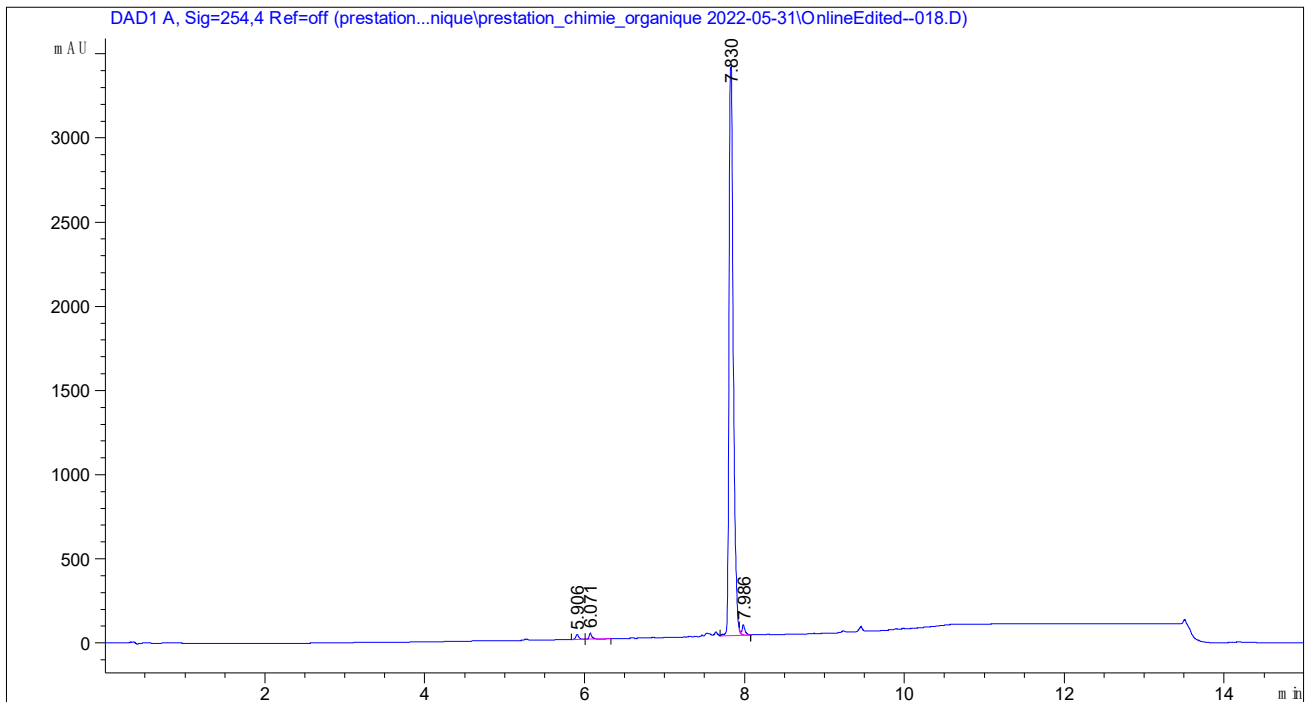
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 NAME PEP14_F1_13C
 EXPNO 22
 PROCNO 1

F2 - Acquisition Parameters
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 Time 15.12 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 1024
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.628298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...\rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--018.D
Sample Name: PEP14F1

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Acq. Instrument : LC1290                     Location  :   P1-B8
Injection Date  : 31/5/2022 5:37:31 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
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Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info  : Peak(s) manually integrated
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                          Area Percent Report
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Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

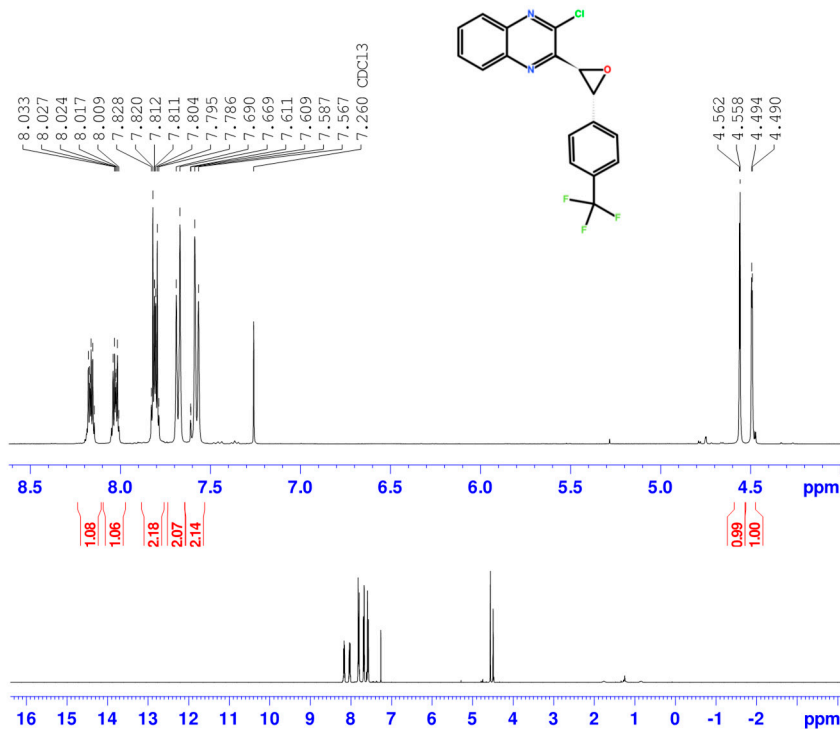
Signal 1: DAD1 A, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.906	BV	0.0412	80.47663	29.15832	0.6037
2	6.071	VV R	0.0389	92.81735	35.06199	0.6962
3	7.830	VV R	0.0599	1.29985e4	3377.83521	97.5022
4	7.986	VB E	0.0404	159.69933	59.38504	1.1979

Totals : 1.33315e4 3501.44055

Compound 4a

PEP37-CF3F1

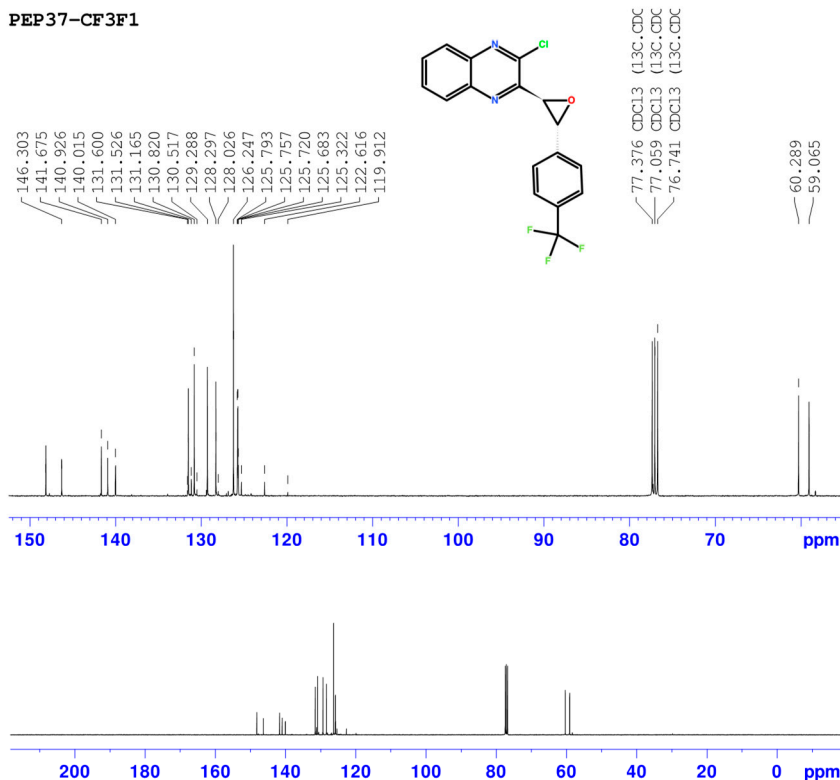


Current Data Parameters
 NAME PEP37_F1_1H
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200619
 Time 12.39 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zg30
 TD 65536
 SOLVENT CDCl₃
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 82.4935
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300104 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP37-CF3F1



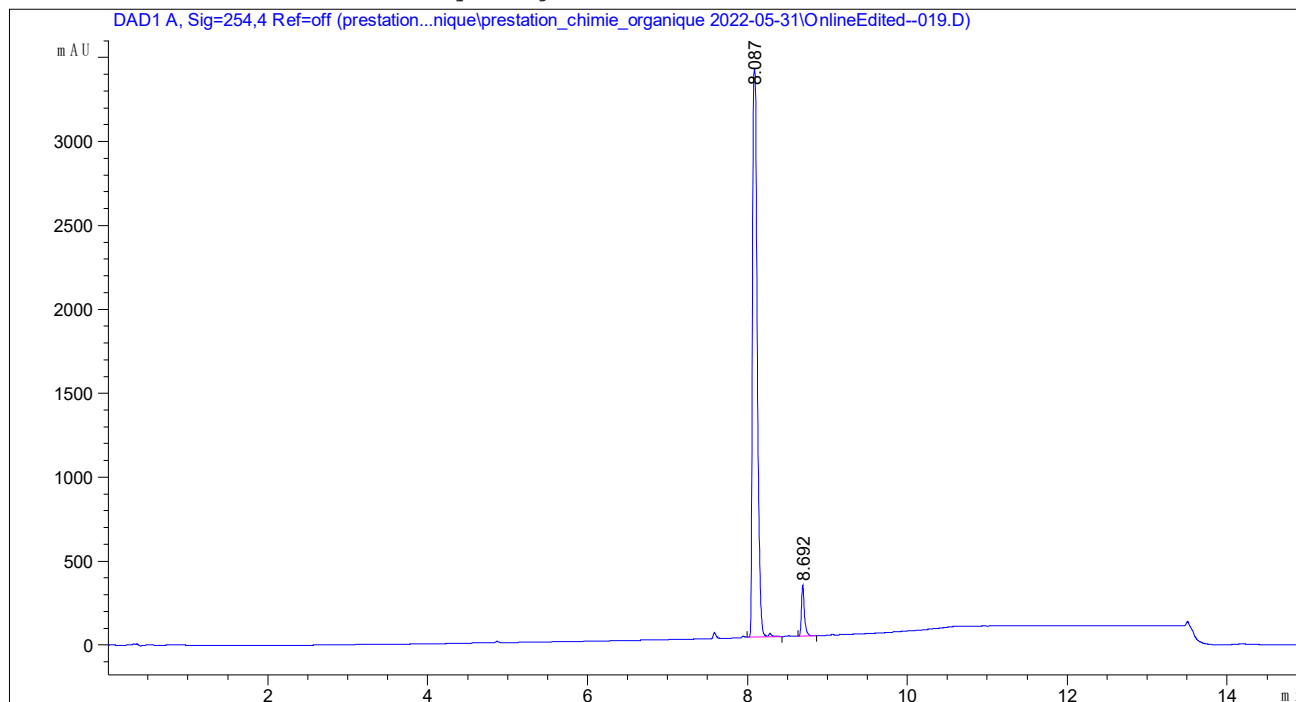
Current Data Parameters
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 EXPNO 9
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200623
 Time 1.12 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl₃
 NS 1500
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CTOFPG(2) waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...\rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--019.D
Sample Name: PEP37F1

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                                           Inj Volume: 1.000 µl
Method         : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
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                        Area Percent Report
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Sorted By      :      Signal
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Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
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Signal 1: DAD1 A, Sig=254,4 Ref=off

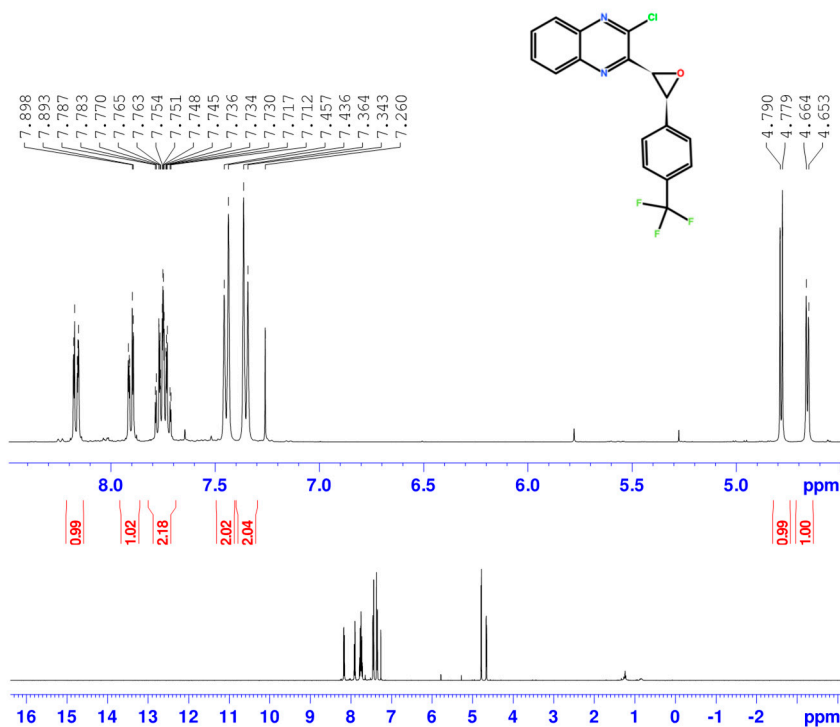
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	8.087	BV R	0.0660	1.42849e4	3385.43384	94.9498
2	8.692	BV R	0.0385	759.79028	300.77063	5.0502

Totals : 1.50447e4 3686.20447

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*** End of Report ***
```

Compound 4b

PEP37-CF3F2

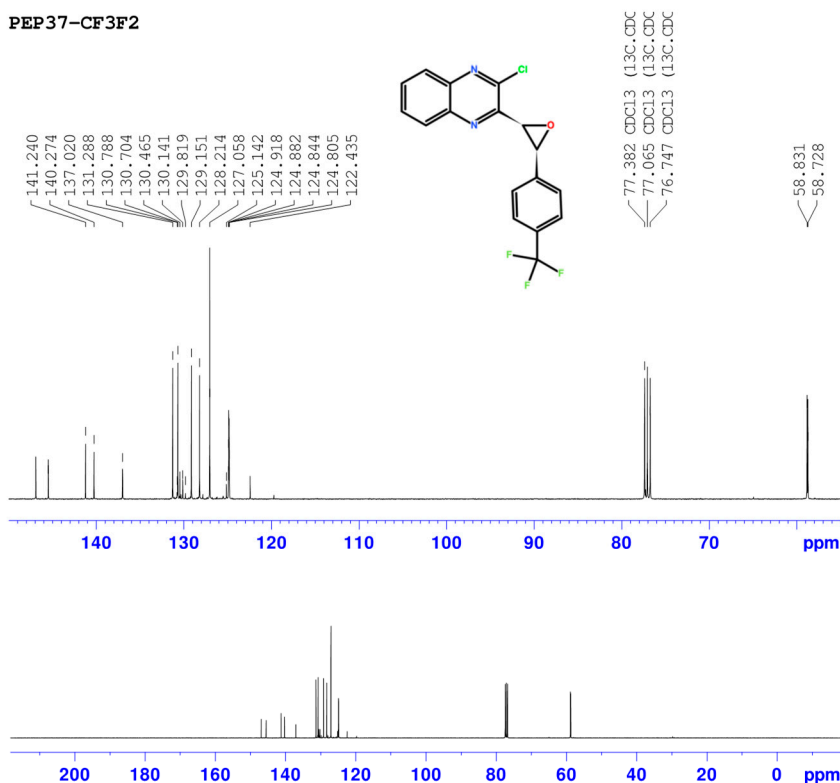


Current Data Parameters
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 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200619
 Time 12.45 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zg30)
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 58.1185
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TDO 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing Parameters
 SI 65536
 SF 400.1300103 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP37-CF3F2



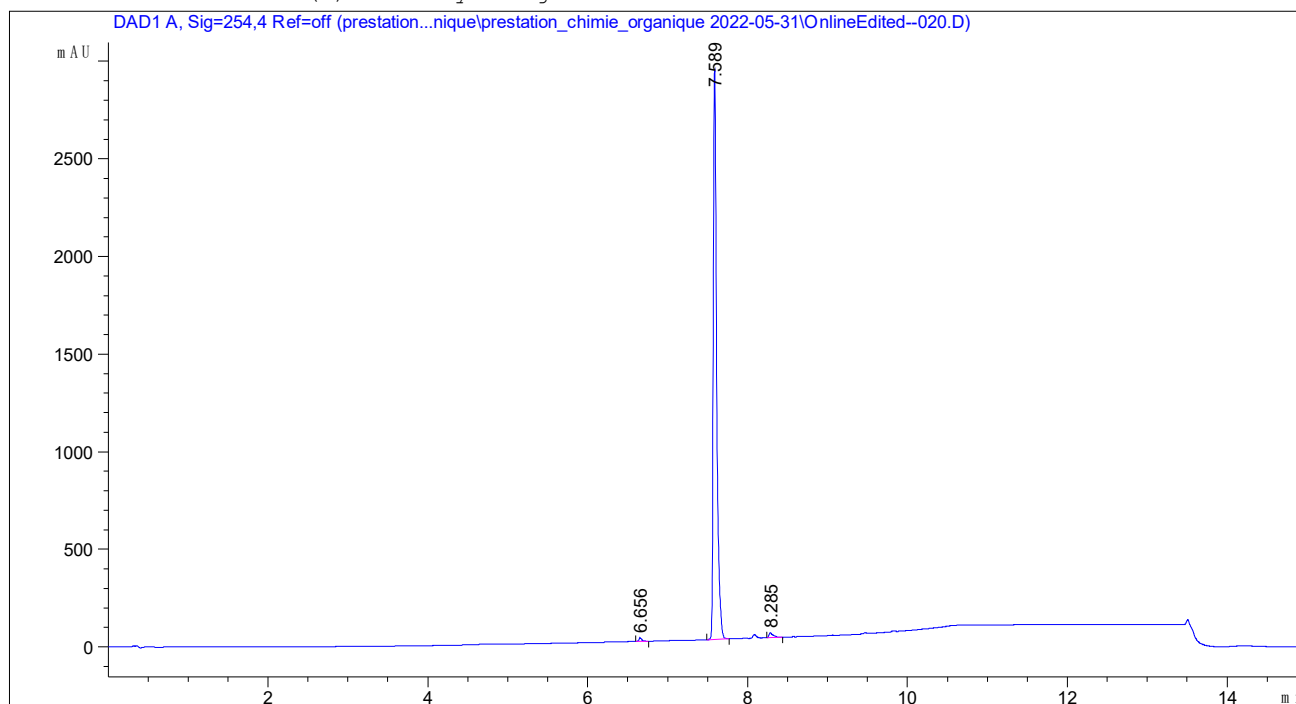
Current Data Parameters
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 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200623
 Time 2.43 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zgpg30)
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 1500
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TDO 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...\rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--020.D
Sample Name: PEP37F2

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Acq. Instrument : LC1290                     Location  :   P1-C1
Injection Date  : 31/5/2022 6:12:17 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info  : Peak(s) manually integrated
=====
```



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=====
                        Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier           :      1.0000
Dilution             :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

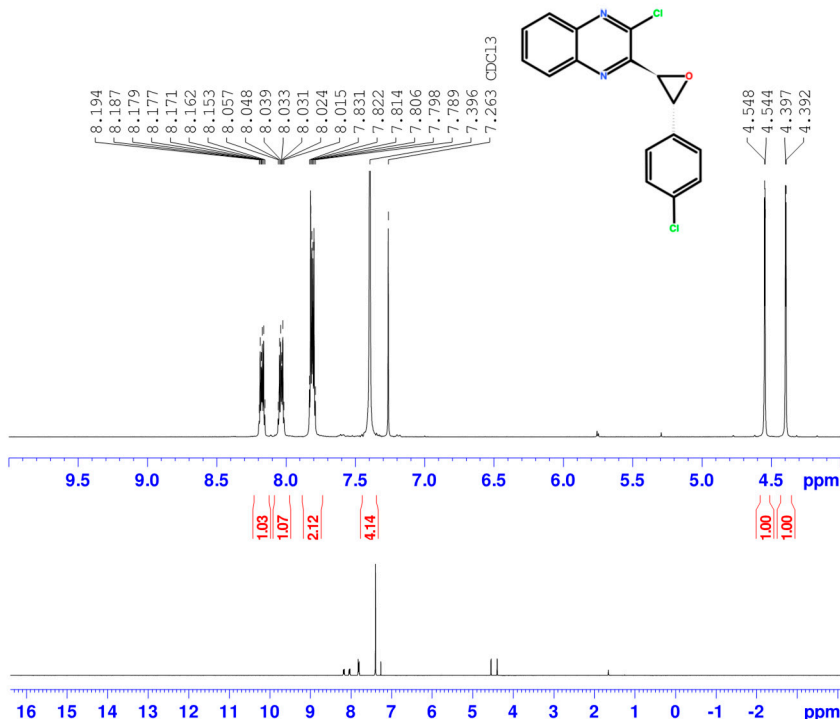
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.656	BB	0.0385	48.42534	18.51770	0.5551
2	7.589	BB	0.0443	8580.26172	2918.09277	98.3610
3	8.285	BV R	0.0511	94.55002	25.56572	1.0839

Totals : 8723.23708 2962.17620

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=====
*** End of Report ***
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Compound 5a

PEP04F1

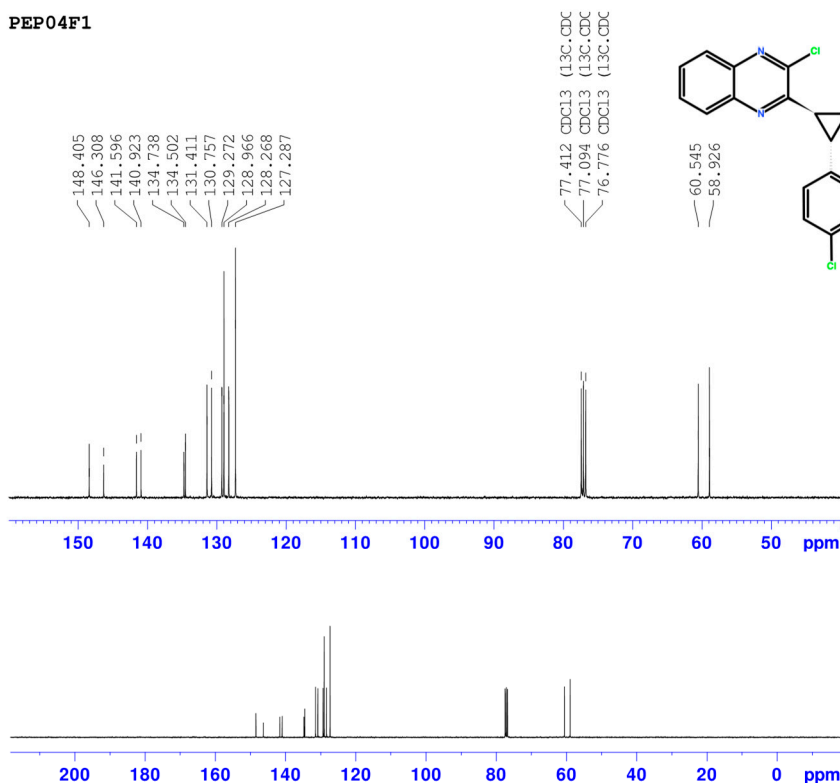


Current Data Parameters
 NAME PEP04_F1_1H
 EXPNO 30
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200610
 Time 16.18 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zg30)
 PULPROG zg30
 TD 65536
 SOLVENT CDCl₃
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 ¹H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing Parameters
 SI 65536
 SF 400.1300094 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP04F1



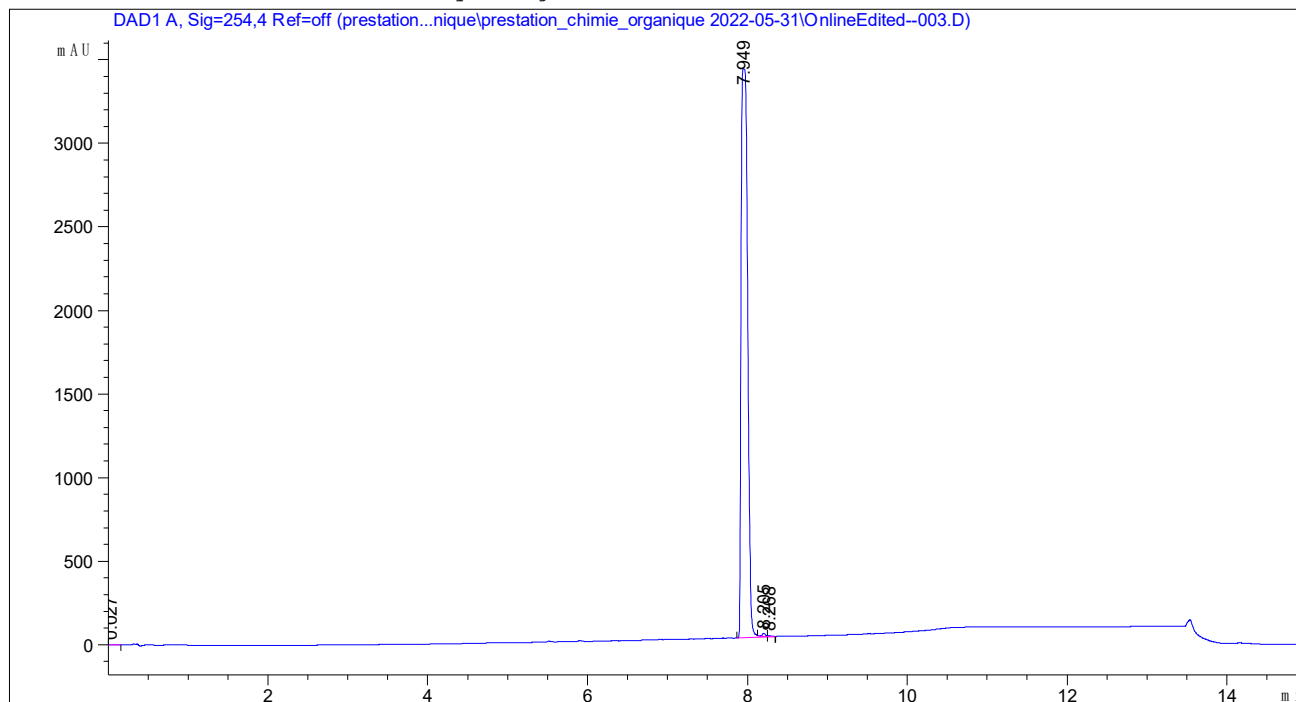
Current Data Parameters
 NAME PEP04_F1_13C
 EXPNO 20
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200612
 Time 10.33 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zgpg30)
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl₃
 NS 168
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762660 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 ¹³C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 ¹H
 CPGPRG2 waltz16
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--003.D
Sample Name: PEP04F1

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :    3
Acq. Instrument : LC1290                     Location  :   P1-A2
Injection Date  : 31/5/2022 1:40:30 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



=====
Area Percent Report
=====

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

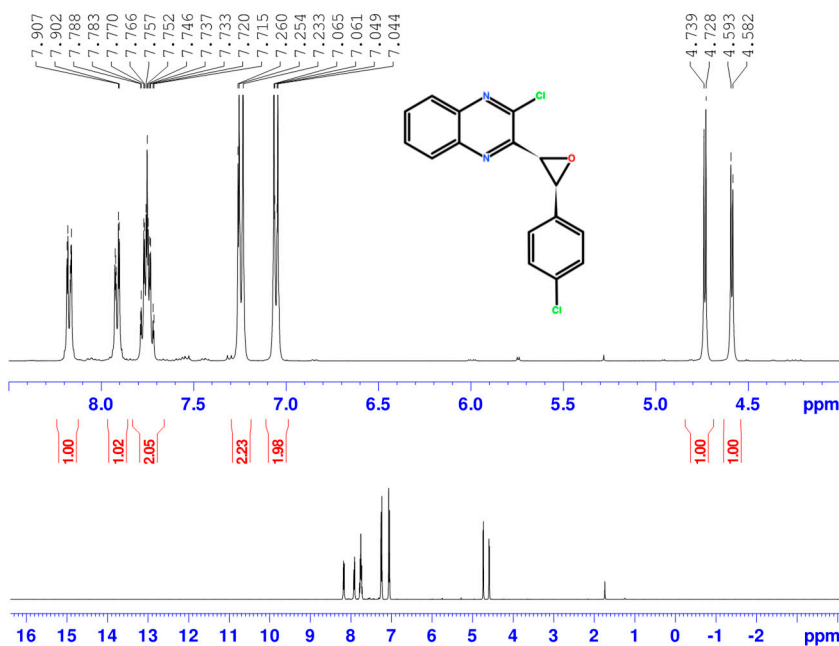
Signal 1: DAD1 A, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.027	BB	0.0446	5.80733	1.85338	0.0309
2	7.949	BV R	0.0731	1.87015e4	3402.69727	99.5685
3	8.205	VV E	0.0425	54.93636	19.11710	0.2925
4	8.268	VB E	0.0388	20.29902	7.45067	0.1081

Totals : 1.87826e4 3431.11842

Compound 5b

2022-06-03

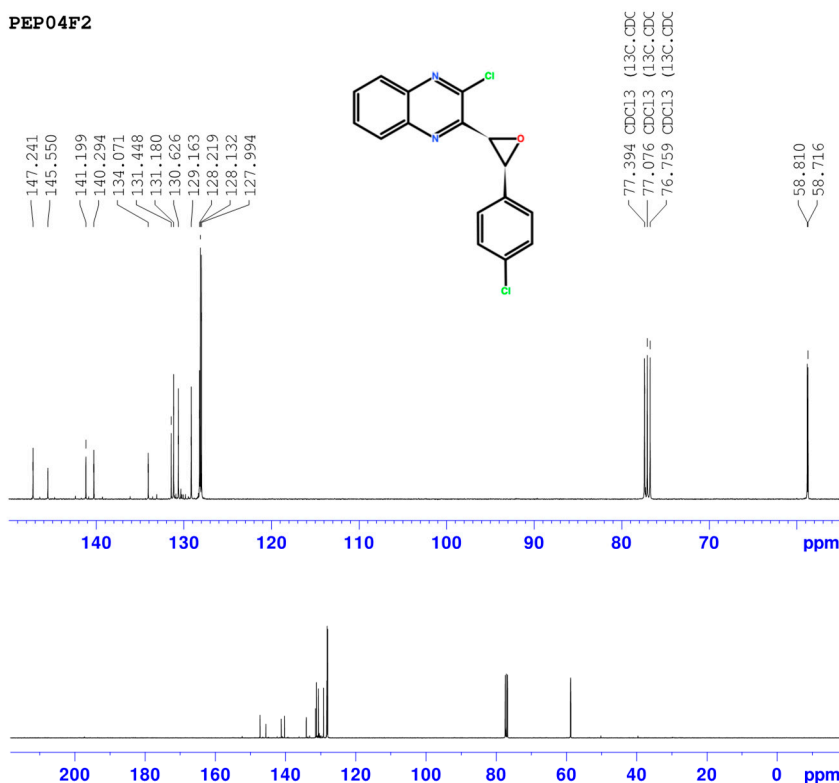


Current Data Parameters
 NAME PEP04_F2_1H
 EXPNO 40
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220603
 Time 10.32 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zgc30)
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 96.5778
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300106 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP04F2



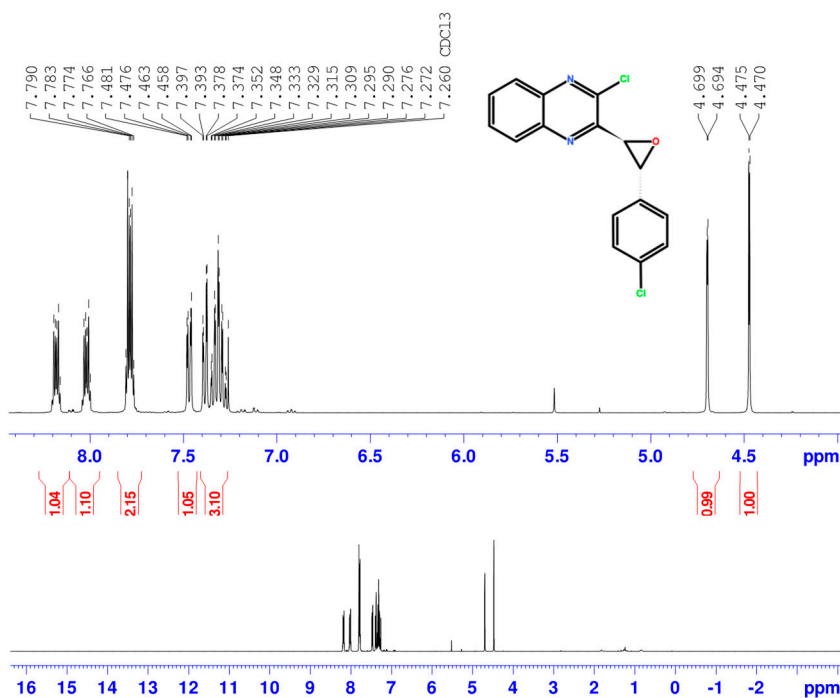
Current Data Parameters
 NAME PEP04_F2_13C
 EXPNO 20
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200611
 Time 4.22 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zgc30)
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 2048
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.628298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

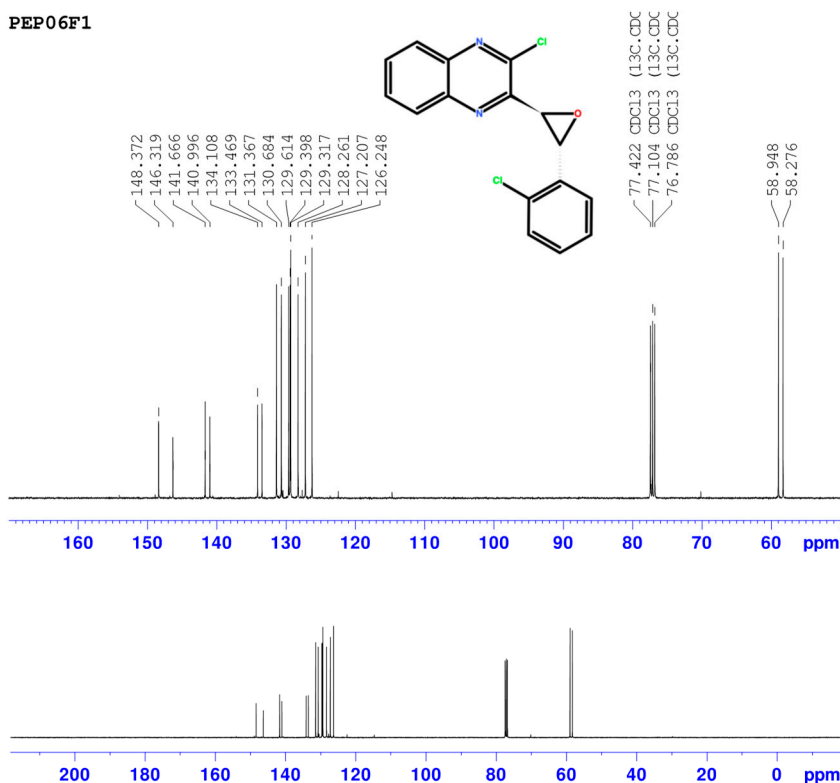
F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Compound 6a

PEP06F1

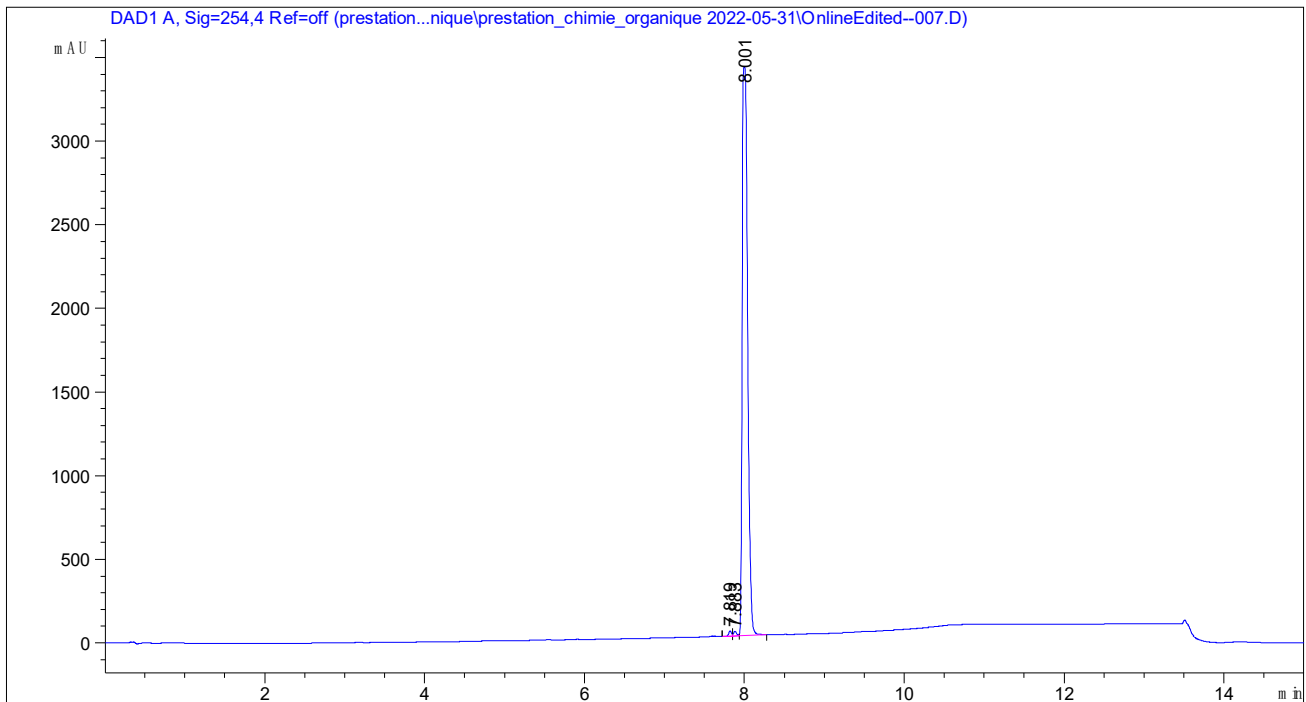


PEP06F1



Data File C:\Chem32\...\rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--007.D
Sample Name: PEP06F1

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :    7
Acq. Instrument : LC1290                     Location  :   P1-A6
Injection Date  : 31/5/2022 2:43:40 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method         : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

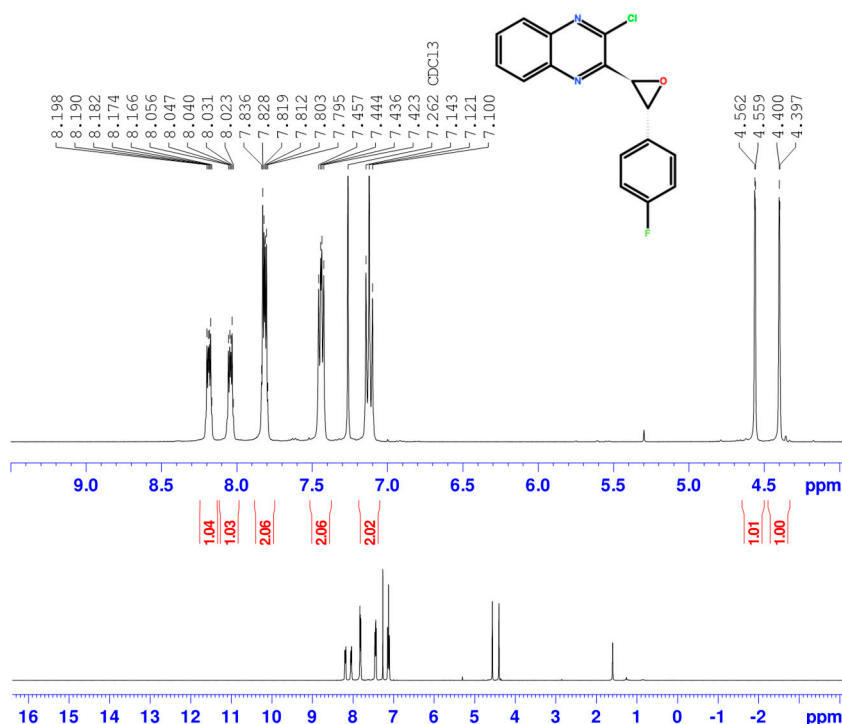
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.819	BV E	0.0357	79.28677	33.43105	0.4858
2	7.883	VV E	0.0394	75.01073	28.80846	0.4596
3	8.001	VB R	0.0755	1.61668e4	3400.07349	99.0546

Totals : 1.63211e4 3462.31299

```
=====
*** End of Report ***
```

Compound 7a

PEP08 4Ftrans

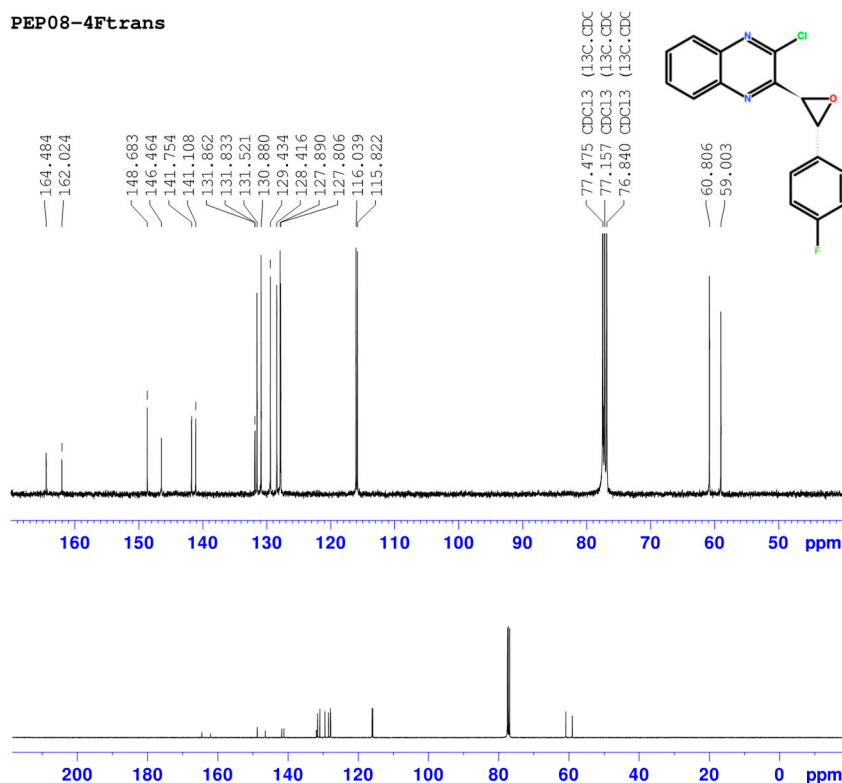


Current Data Parameters
 NAME PEP08_F1_1H
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200611
 Time 11.02 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zg30
 TD 65536
 SOLVENT CDCl₃
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300097 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP08-4Ftrans



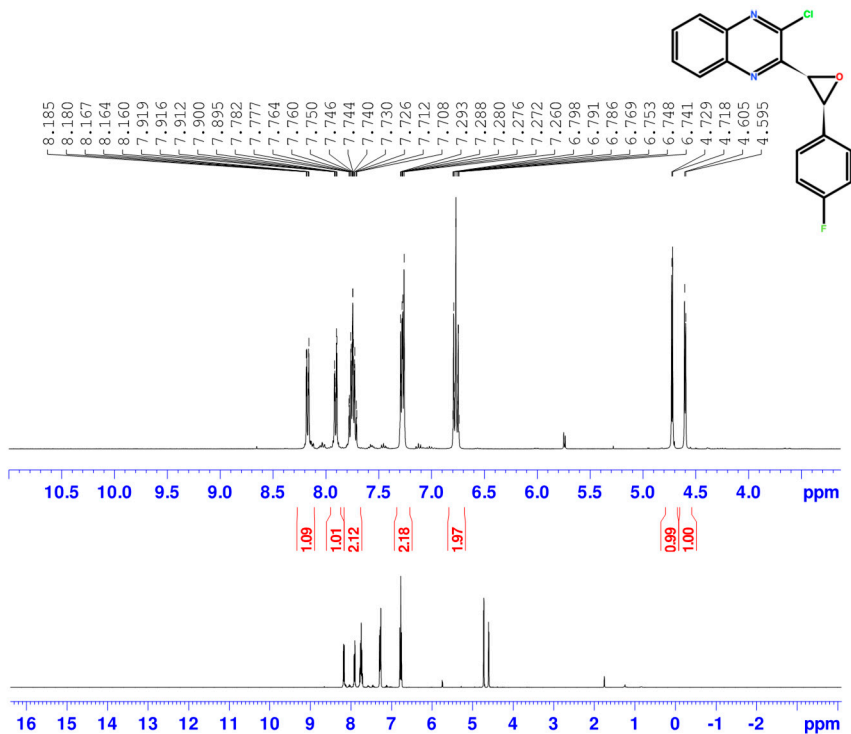
Current Data Parameters
 NAME PEP08_F1_13C
 EXPNO 20
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200613
 Time 6.05 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl₃
 NS 2500
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CTOFPG(2) waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127559 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Compound 7b

PEP08 4Fcis

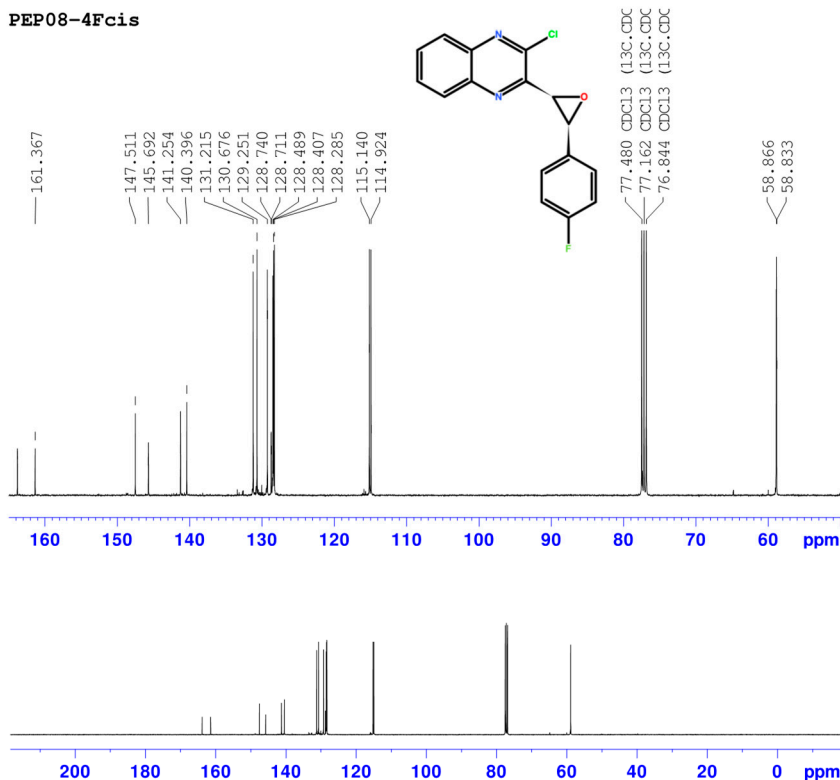


Current Data Parameters
 NAME PEP08_F2_1H
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200611
 Time 10.55 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zg30)
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 85.0051
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing Parameters
 SI 65536
 SF 400.1300102 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP08-4Fcis



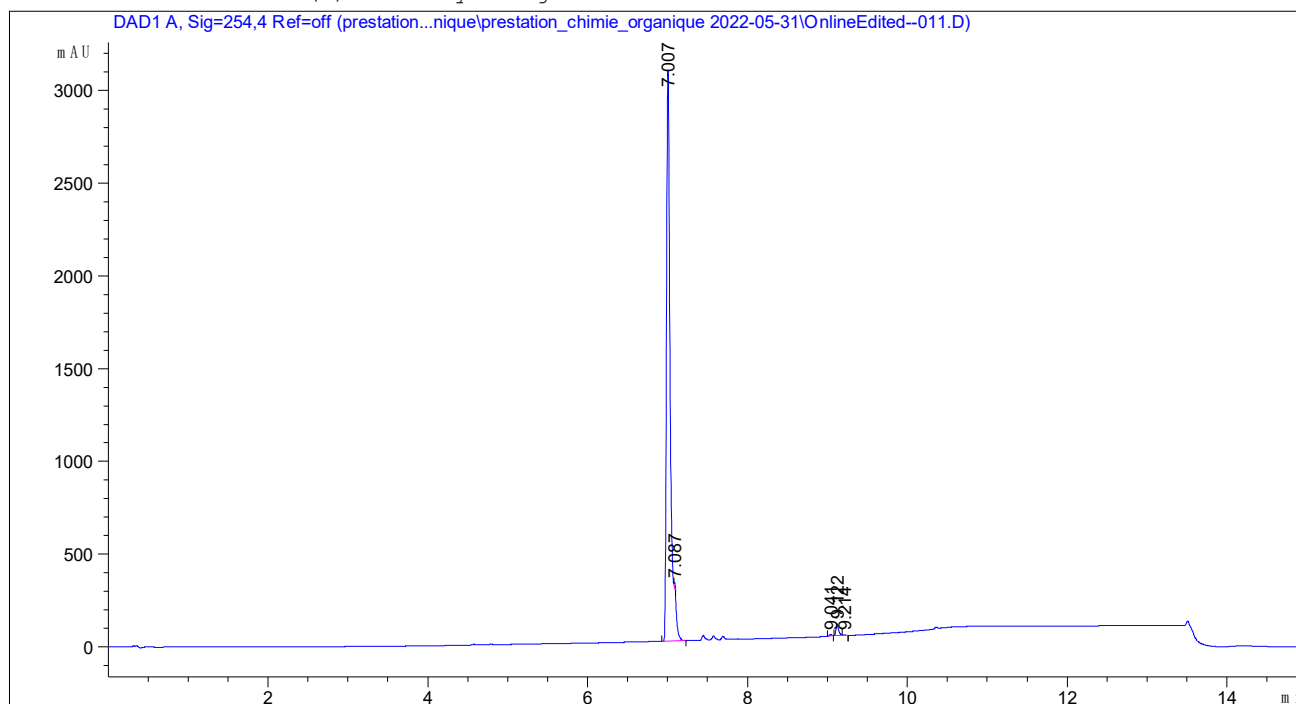
Current Data Parameters
 NAME PEP08_F2_13C
 EXPNO 20
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200613
 Time 3.36 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zgpg30)
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 2500
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127591 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--011.D
Sample Name: PEP08F2

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   11
Acq. Instrument : LC1290                     Location  :   P1-B1
Injection Date  : 31/5/2022 3:46:47 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method         : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



=====
Area Percent Report
=====

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

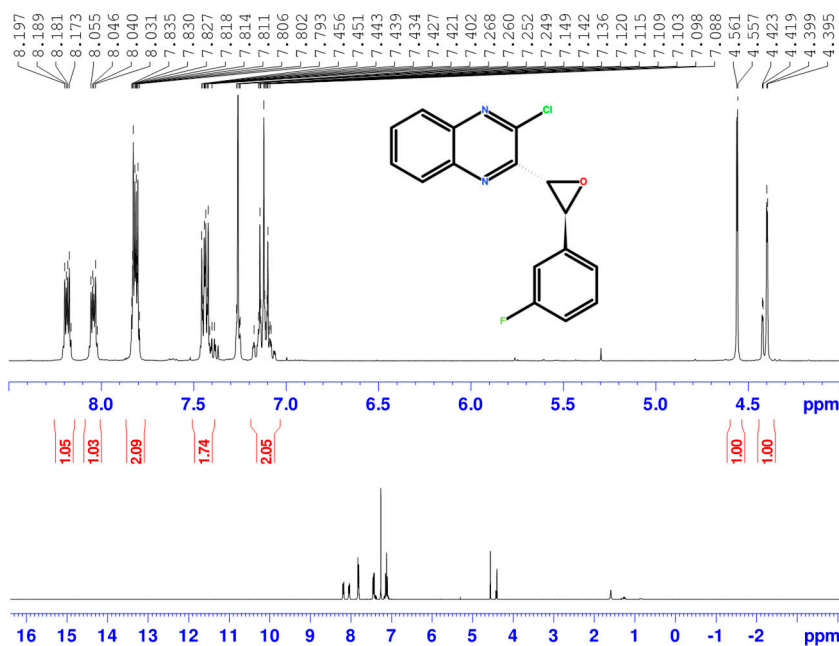
Signal 1: DAD1 A, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.007	BV R	0.0486	9923.04688	3075.07031	98.0261
2	7.087	VB E	0.0170	19.77497	23.11082	0.1953
3	9.041	BB	0.0340	19.14015	8.91607	0.1891
4	9.122	BV R	0.0365	155.43683	63.62344	1.5355
5	9.214	VB E	0.0297	5.46008	2.80016	0.0539

Totals : 1.01229e4 3173.52080

Compound 8a

PEP09F1 2022-03-03



Current Data Parameters

NAME PEP09_F1_1H
EXPNO 20
PROCNO 1

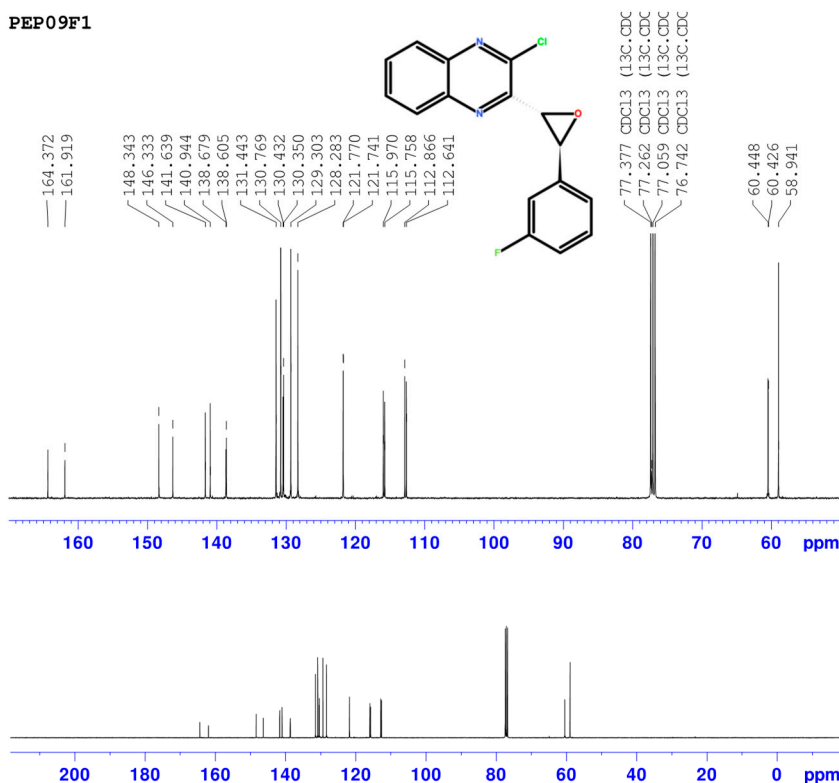
F2 - Acquisition Parameters

Date_ 20220303
Time 12.18 h
INSTRUM Avance NEO 400
PROBHD Z163739_0130 (zg30)
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8196.722 Hz
FIDRES 0.250144 Hz
AQ 3.9976959 sec
RG 101
DW 61.000 usec
DE 13.97 usec
TE 298.0 K
D1 1.00000000 sec
TD0 1
SFO1 400.1324708 MHz
NUC1 1H
P0 2.51 usec
P1 7.53 usec
PLW1 22.80999947 W

F2 - Processing Parameters

SI 65536
SF 400.1300103 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

PEP09F1



Current Data Parameters

NAME PEP09_F1_13C
EXPNO 20
PROCNO 1

F2 - Acquisition Parameters

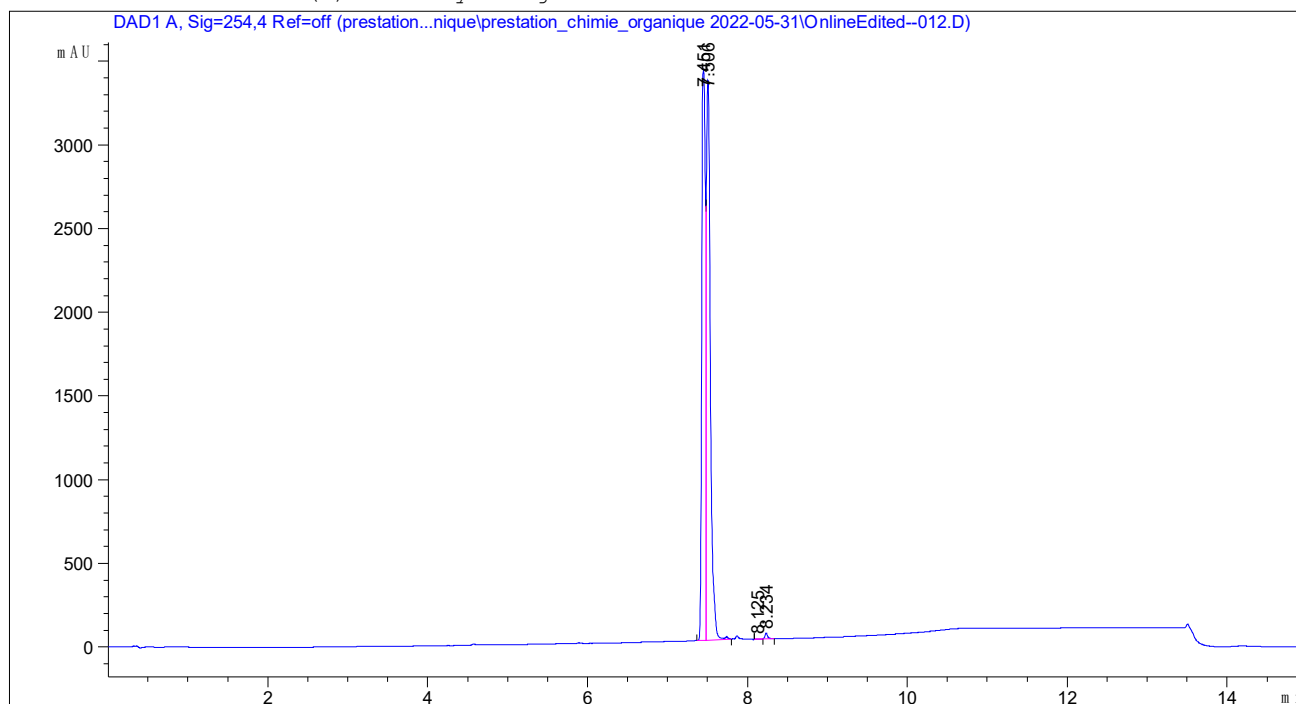
Date_ 20200614
Time 6.12 h
INSTRUM Avance NEO 400
PROBHD Z163739_0130 (zgpg30)
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 3000
DS 4
SWH 23809.523 Hz
FIDRES 0.726609 Hz
AQ 1.3762560 sec
RG 101
DW 21.000 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1
SFO1 100.6228298 MHz
NUC1 13C
P0 2.67 usec
P1 8.00 usec
PLW1 95.56300354 W
SFO2 400.1316005 MHz
NUC2 1H
CPOPRG(2) waltz65
PCPD2 90.00 usec
PLM2 22.80999947 W
PLM12 0.15967000 W
PLM13 0.08031400 W

F2 - Processing parameters

SI 32768
SF 100.6127685 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--012.D
Sample Name: PEP09F1

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   12
Acq. Instrument : LC1290                     Location  :   P1-B2
Injection Date  : 31/5/2022 4:02:45 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info  : Peak(s) manually integrated
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

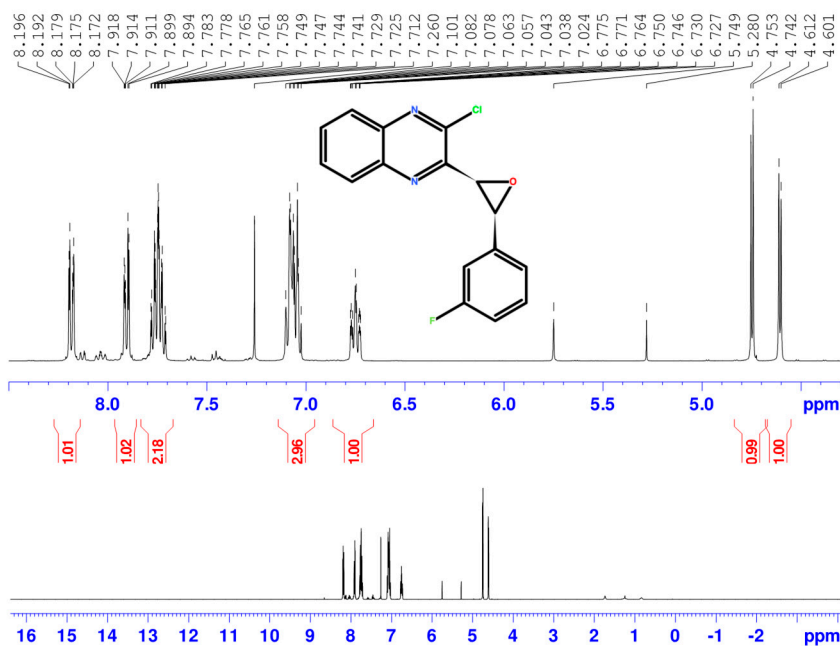
Signal 1: DAD1 A, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.451	BV	0.0511	1.08159e4	3402.30518	47.4057
2	7.506	VV R	0.0534	1.18947e4	3347.82104	52.1343
3	8.125	BV E	0.0416	6.88685	2.46230	0.0302
4	8.234	VB R	0.0405	98.07407	36.34929	0.4299

Totals : 2.28156e4 6788.93781

Compound 8b

PEP09-3Fcis

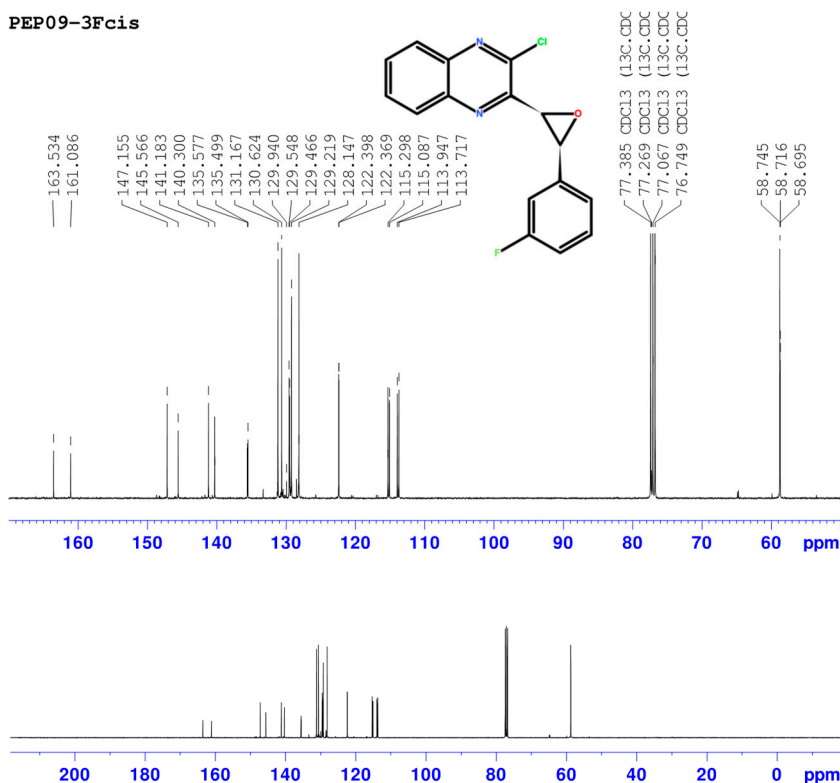


Current Data Parameters
 NAME PEP09_F2_1H
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200611
 Time 11.29 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 70.3163
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300103 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP09-3Fcis



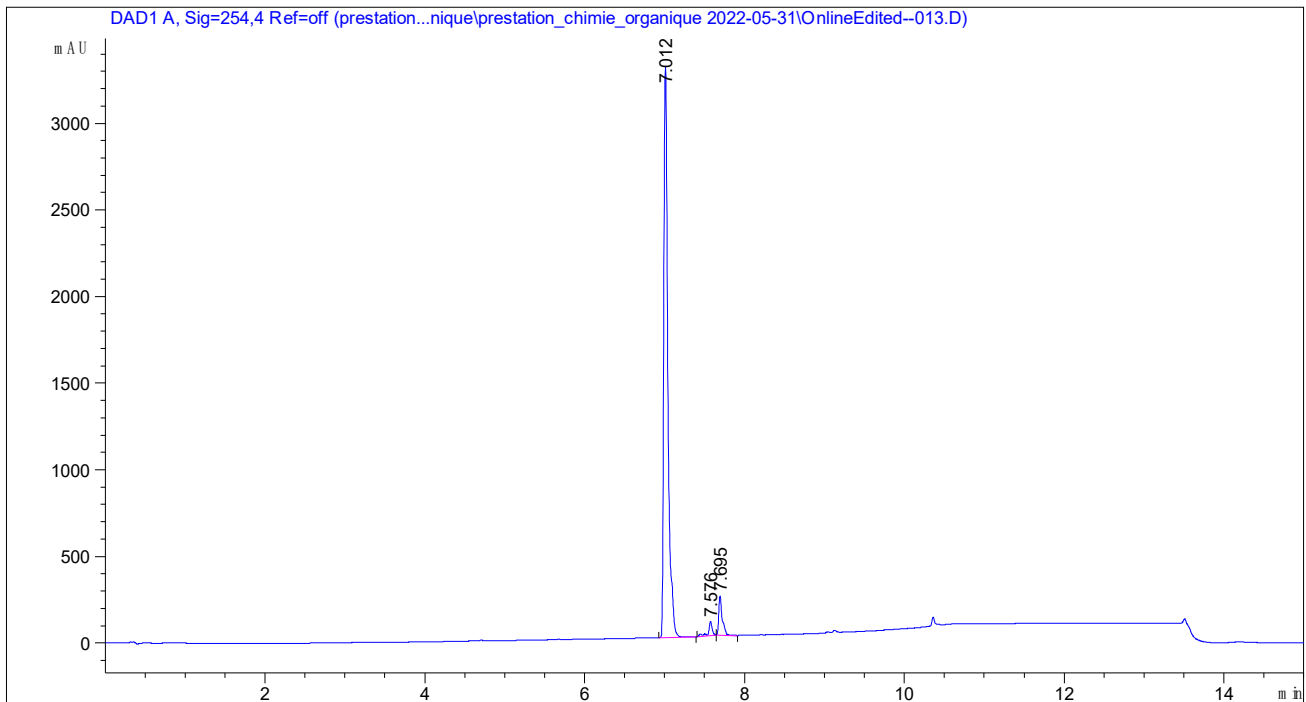
Current Data Parameters
 NAME PEP09_F2_13C
 EXPNO 20
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200614
 Time 3.14 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 2048
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...\rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--013.D
Sample Name: PEP09F2

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   13
Acq. Instrument : LC1290                     Location  :   P1-B3
Injection Date  : 31/5/2022 4:18:32 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method         : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier           :      1.0000
Dilution             :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

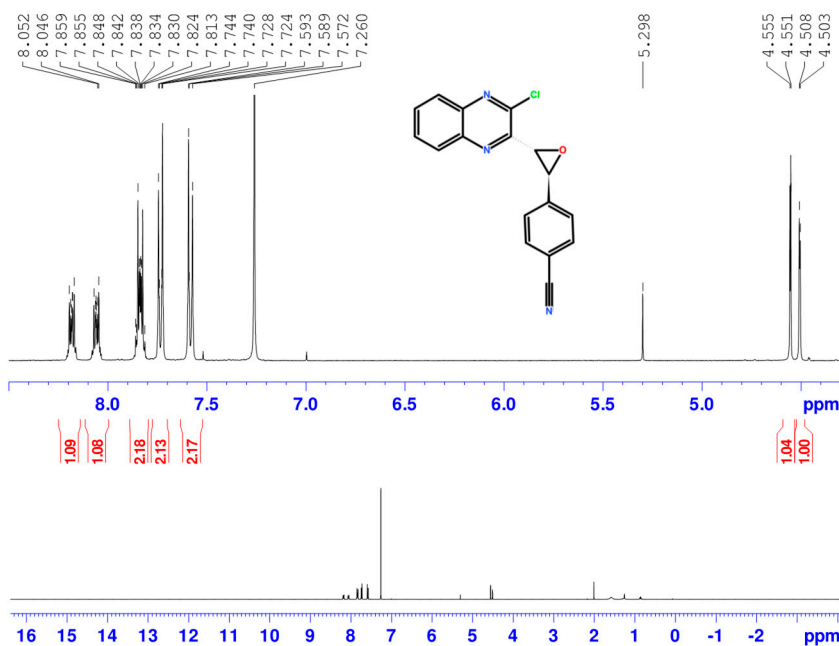
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.012	BV R	0.0528	1.15331e4	3299.14502	92.3663
2	7.576	VB R	0.0371	265.32071	82.35912	2.1249
3	7.695	BV R	0.0441	687.83380	226.55388	5.5087

Totals : 1.24862e4 3608.05801

```
=====
*** End of Report ***
```

Compound 9a

2022-03-07

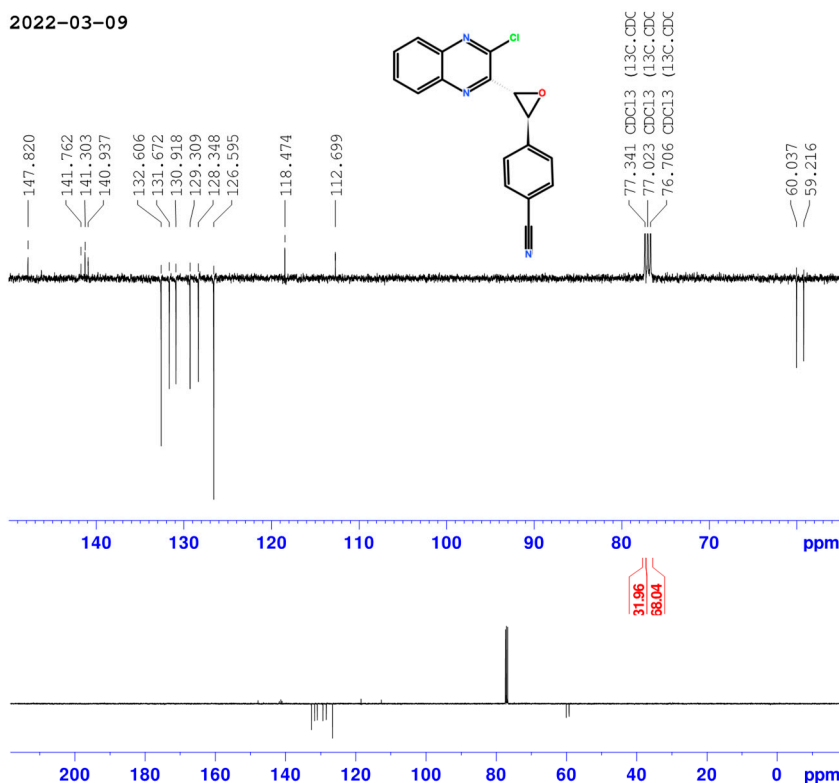


Current Data Parameters
 NAME PEP07_F1_1H
 EXPNO 60
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220307
 Time 19.36 h
 INSTRUM Avance NEO 400
 PROBRD Z163739_0130 (zg30)
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TDO 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing Parameters
 SI 65536
 SF 400.1300102 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

2022-03-09



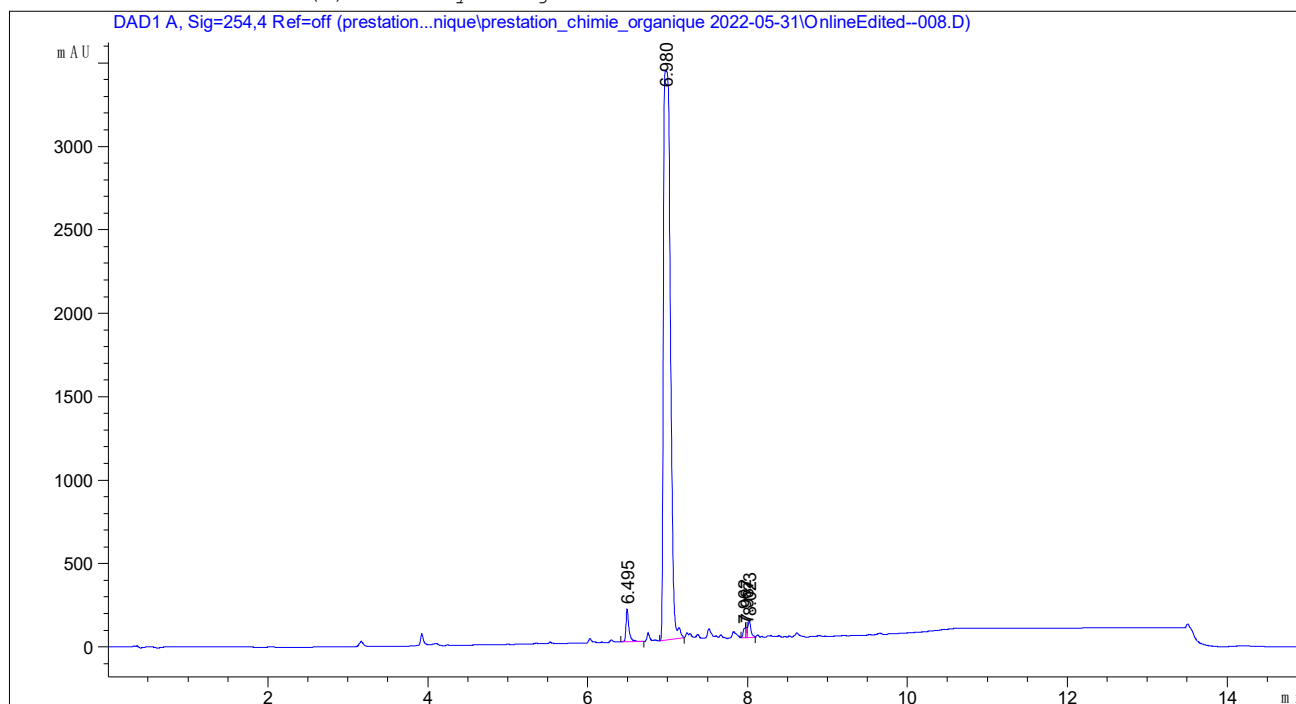
Current Data Parameters
 NAME PEP07_F1_13C
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220310
 Time 0.26 h
 INSTRUM Avance NEO 400
 PROBRD Z163739_0130 (zgpg30)
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 3048
 DS 4
 SWH 23809.323 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 CNST1 145.0000000
 CNST11 1.0000000
 D1 2.00000000 sec
 D20 0.00689653 sec
 TDO 1
 SFO1 100.6282898 MHz
 NUC1 13C
 P1 8.00 usec
 P2 16.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPDPRG2 waltz16
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W

F2 - Processing Parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--008.D
 Sample Name: PEP07F1

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :    8
Acq. Instrument : LC1290                     Location  : P1-A7
Injection Date  : 31/5/2022 2:59:28 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info  : Peak(s) manually integrated
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By           : Signal
Multiplier          : 1.0000
Dilution            : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

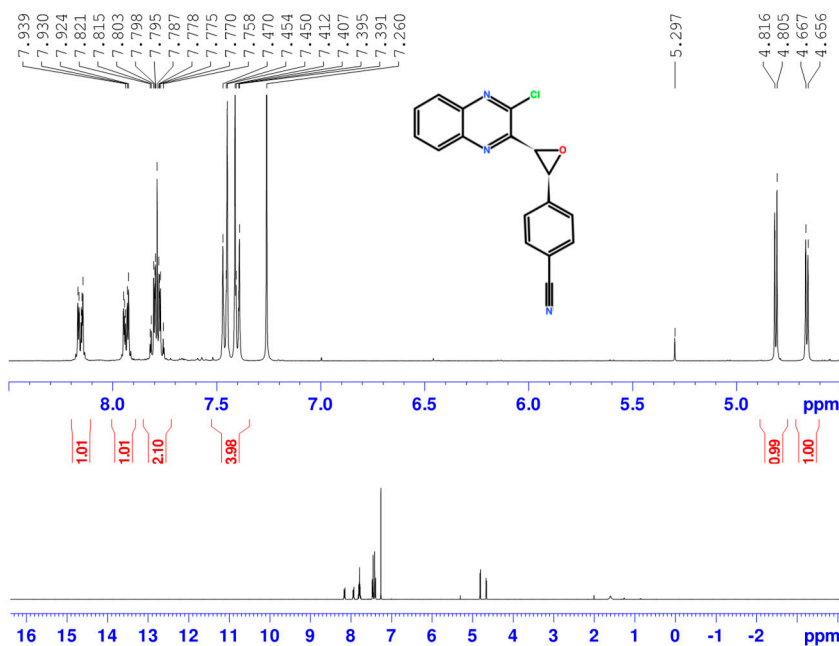
Signal 1: DAD1 A, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.495	VV R	0.0409	536.18005	195.82469	2.4979
2	6.980	BV R	0.0945	2.04915e4	3411.73242	95.4624
3	7.962	BV	0.0273	98.75806	56.66538	0.4601
4	7.987	VV	0.0210	84.59011	58.14962	0.3941
5	8.023	VB	0.0372	254.48518	98.30723	1.1856

Totals : 2.14655e4 3820.67934

Compound 9b

2022-03-07

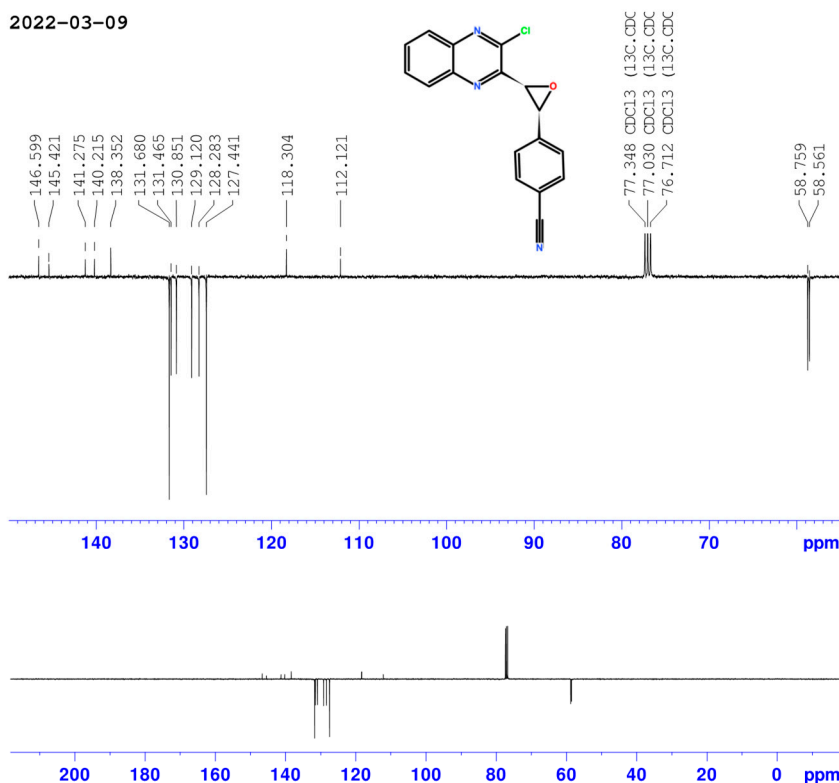


Current Data Parameters
 NAME PEP07_F2_1H
 EXPNO 30
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220307
 Time 19.43 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zg30)
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing Parameters
 SI 65536
 SF 400.1300102 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

2022-03-09



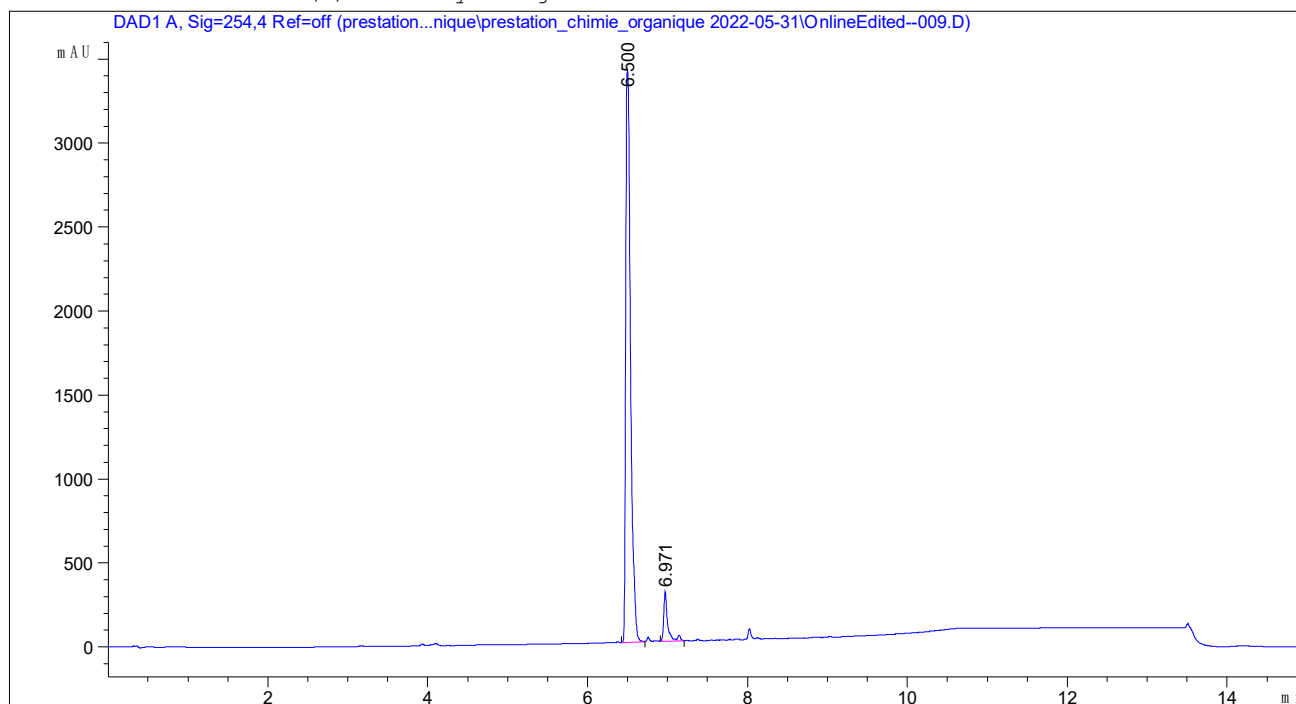
Current Data Parameters
 NAME PEP07_F2_13C
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220310
 Time 2.29 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (gmod)
 PULPROG gmod
 TD 65536
 SOLVENT CDCl3
 NS 2048
 DS 4
 SWH 23809.323 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 CNST2 145.0000000
 CNST11 1.0000000
 D1 2.00000000 sec
 D20 0.00689653 sec
 TD0 1
 SFO1 100.6282398 MHz
 NUC1 13C
 P1 8.00 usec
 P2 16.00 usec
 PLW1 95.5630354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPDPRG2 waltz165
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W

F2 - Processing Parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...\rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--009.D
Sample Name: PEP07F2

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :    9
Acq. Instrument : LC1290                     Location  :   P1-A8
Injection Date  : 31/5/2022 3:15:15 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info  : Peak(s) manually integrated
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

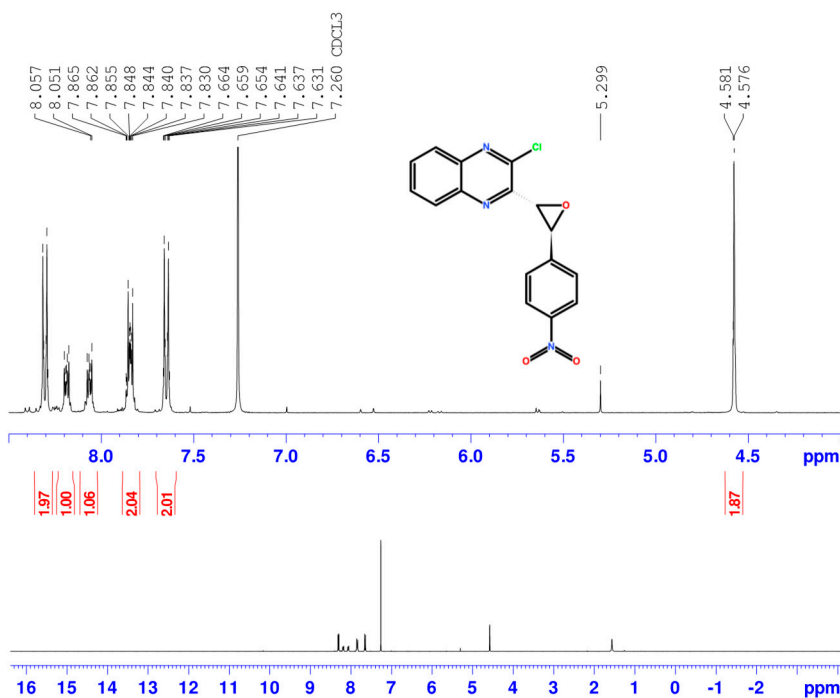
Signal 1: DAD1 A, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.500	BV	0.0660	1.45766e4	3403.29370	93.5690
2	6.971	BV R	0.0438	1001.83966	294.29852	6.4310

Totals : 1.55784e4 3697.59222

```
=====
*** End of Report ***
```

2022-03-03



```
Current Data Parameters
NAME          PEP05_F1_1H
EXPNO          60
PROCNO         1
```

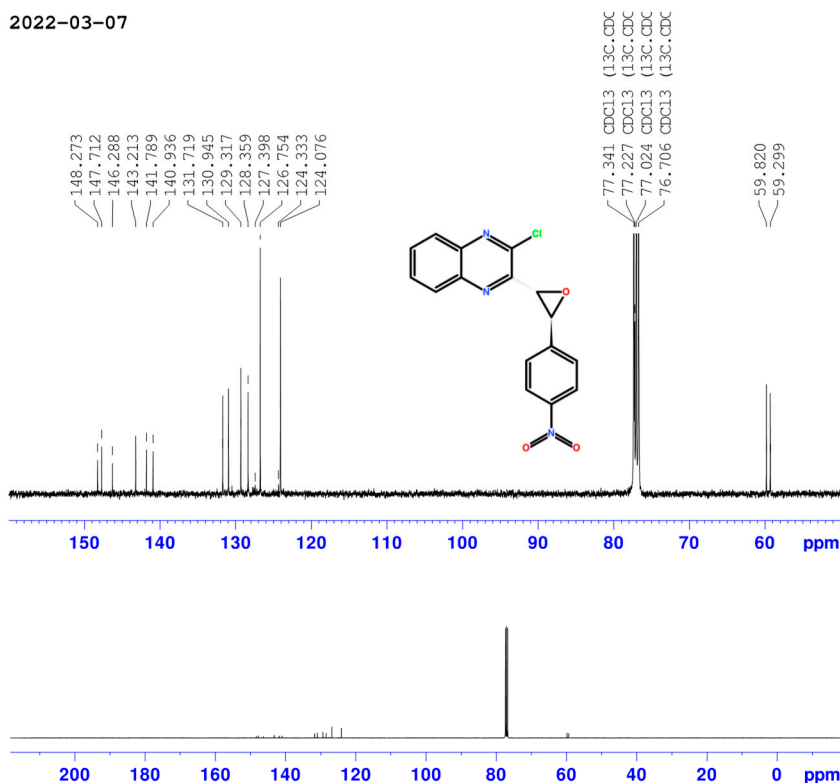
```

P2 - Acquisition Parameters
Date_          20220303
Time           12.50 h
INSTRUM        Avance NEO 400
PROBHD         1261379_0130 -
PULPROG        zgpg30
TD             65536
SOLVENT        CDCl3
NS             16
DS             2
SWH            8196.722 Hz
FIDRES         0.250144 Hz
AQ             3.9976959 sec
RG             101
DE             61.0000 usec
WE             13.97 usec
TE            298.0 K
D1             1.00000000 sec
INSTRUM        1
SFO1           400.1324708 MHz
NUC1           1H
P2             2.51 usec
P1             7.53 usec
PLN1           22.80999947 W

```

```
F2 - Processing parameters
SI                65536
SF                400.1300103 MHz
WDW               EM
SSB               0
LB                0.30 Hz
GB                0
PC                1.00
```

2022-03-07



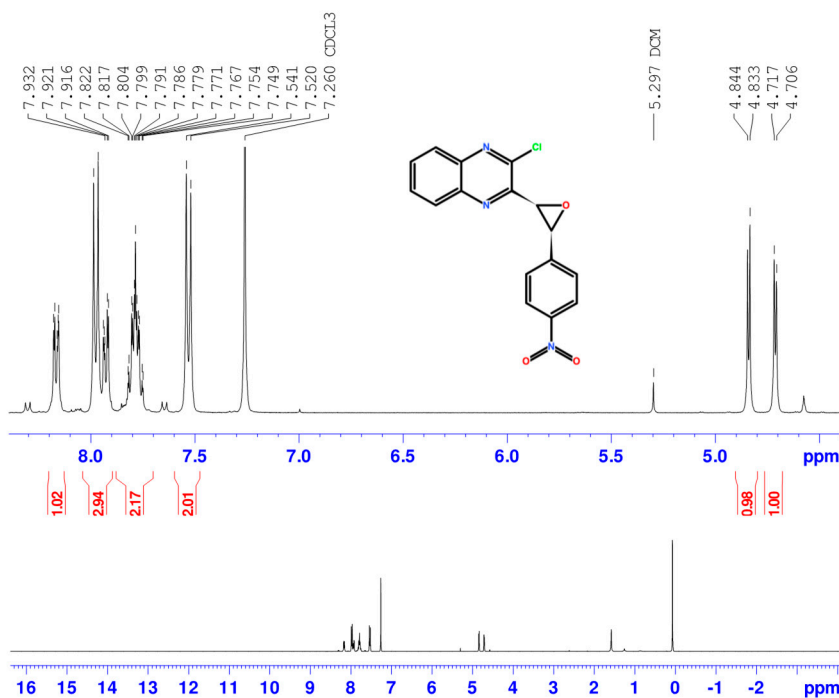
```
Current Data Parameters
NAME          PEP05_F1_13C
EXPNO         40
PROCNO        1
```

F2 - Acquisition Parameters		
Date_	20220306	
Time	14:19 h	
INSTRUM	Avarice NEO 400	
PROBHD	CPX13	
PULPROG	zgpg30	
TD	65536	
SOLVENT	CDCl3	
NS	6000	
DS	4	
SWH	23809.923 Hz	
FIDRES	0.736509 Hz	
RG	1.3762560 sec	
DW	101	
DE	21.000 msec	
TE	6.50 msec	
TD	298.0 K	
DE	2.0000000 sec	
d1	0.0300000 sec	
DELTA	1	
SFO1	100.628298 MHz	
NUC1	13C	
P1	2.67 sec	
PC	8.00 msec	
PLW1	95.5030354 W	
SFO2	400.131605 MHz	
PLW2	2.67 W	
CPDPRG2	waltz65	
PCPD2	90.00 msec	
PLW3	22.809344 W	
PLW4	0.1596700 W	
PLM13	0.0803140 W	

```
F2 - Processing parameters
SI              32768
SF              100.6127685 MHz
WDW             EM
SSB             0
LB              1.00 Hz
GB              0
PC              1.40
```


Compound 10b

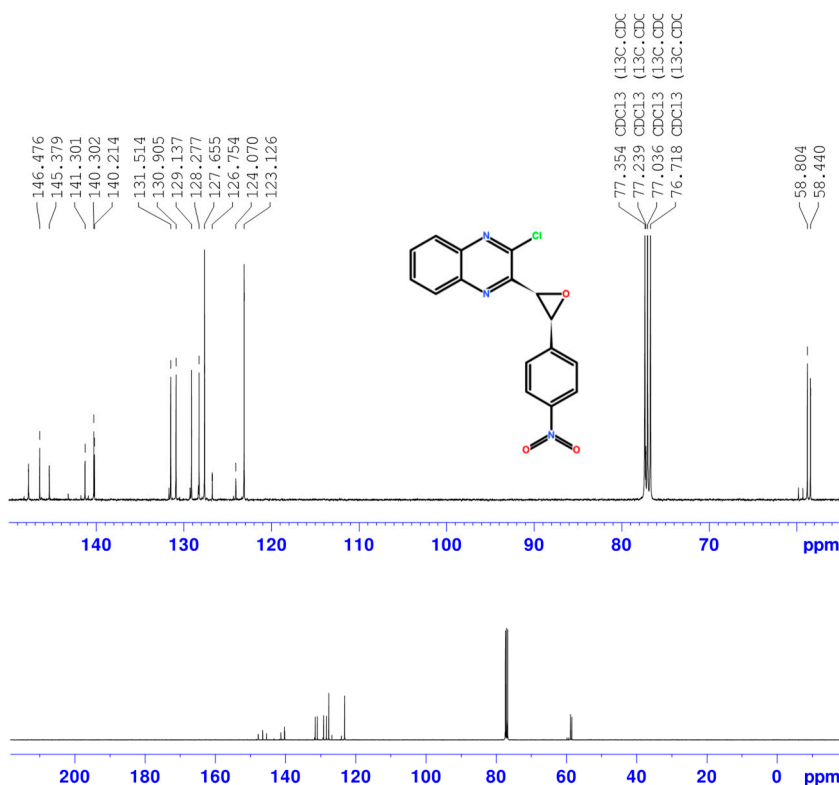
2022-06-03



Current Data Parameters
 NAME PEP05_F2_1H
 EXPNO 50
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220603
 Time 11.36 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zg30)
 PULPROG zg30
 TD 65536
 SOLVENT CDCl₃
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300106 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



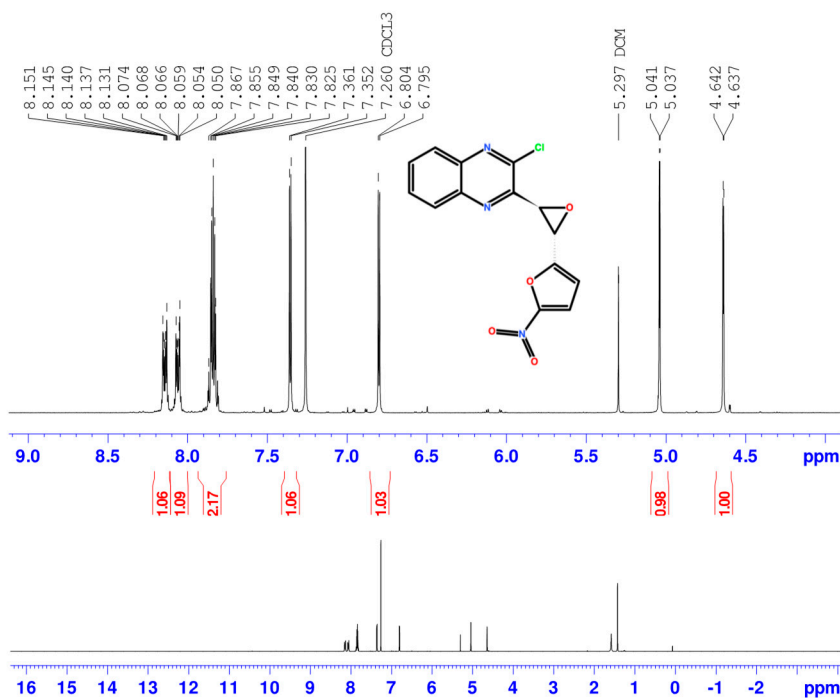
Current Data Parameters
 NAME PEP05_F2_13C
 EXPNO 20
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220306
 Time 20.09 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zgpg30)
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl₃
 NS 6000
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz16
 PCPD2 90.00 usec
 PLM2 22.80999947 W
 PLM12 0.15967000 W
 PLM13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Compound 11a

2022-02- 14 PEP38F1

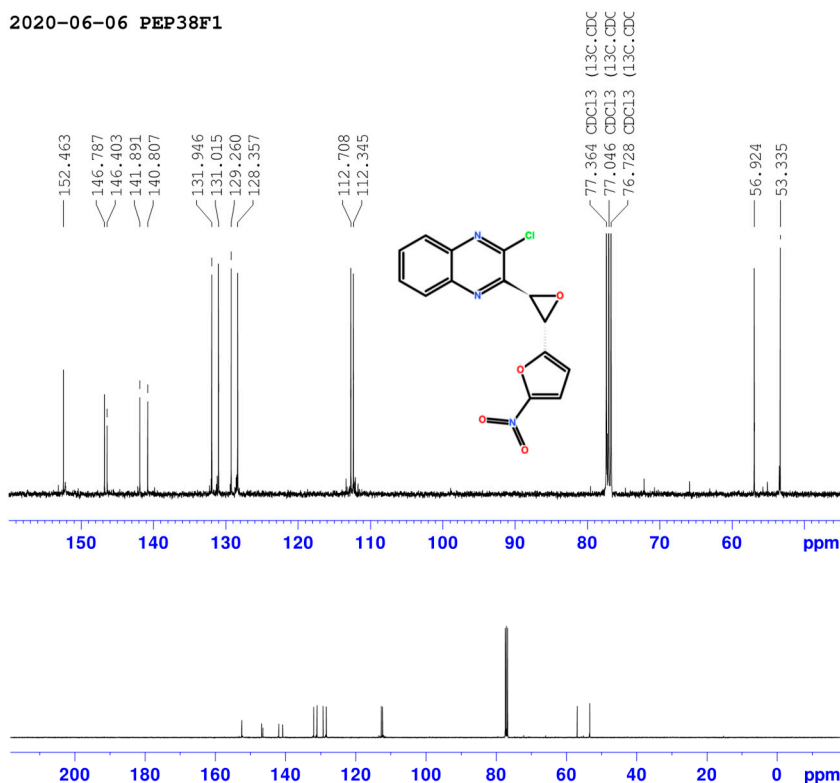


Current Data Parameters
 NAME PEP38_F1_1H
 EXPNO 50
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220214
 Time 16.53 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (z)
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300102 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

2020-06-06 PEP38F1



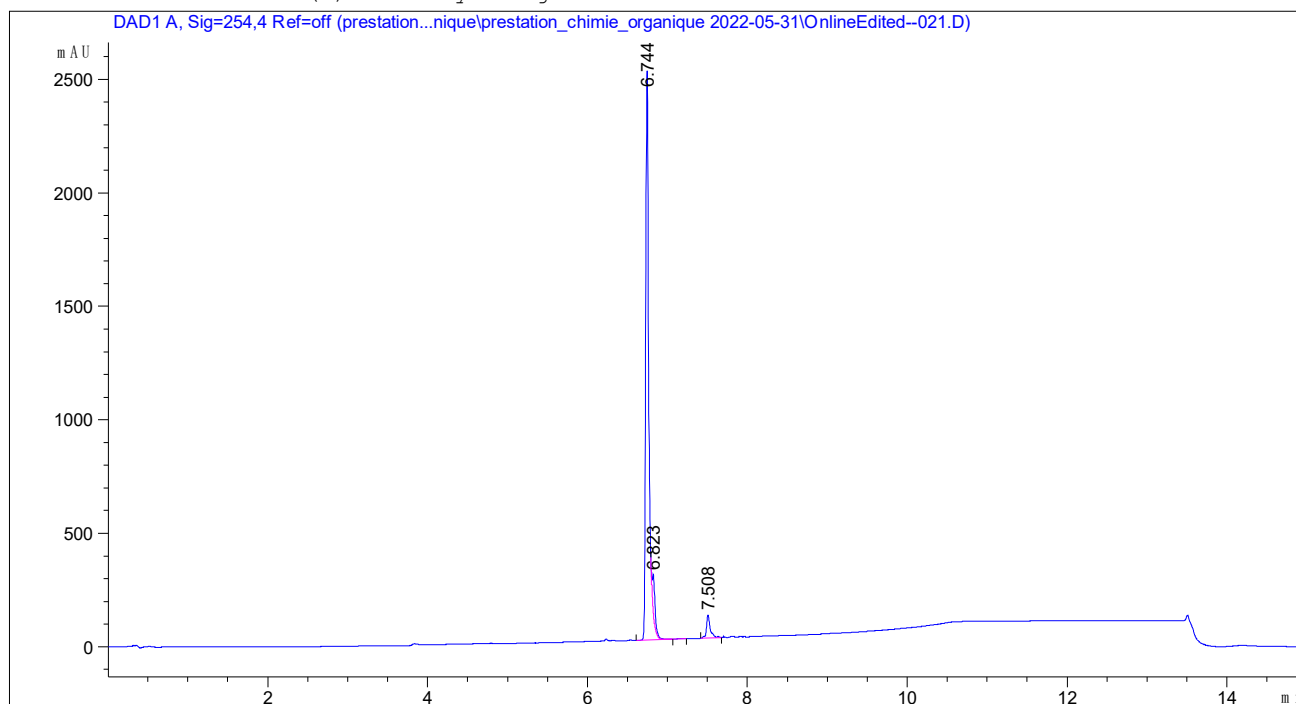
Current Data Parameters
 NAME PEP38_F1_13C
 EXPNO 50
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200626
 Time 6.34 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (z)
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 1024
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz16
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...\rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--021.D
 Sample Name: PEP38F1

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   21
Acq. Instrument : LC1290                     Location  :   P1-C2
Injection Date  : 31/5/2022 6:28:05 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info  : Peak(s) manually integrated
=====
```



Area Percent Report

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

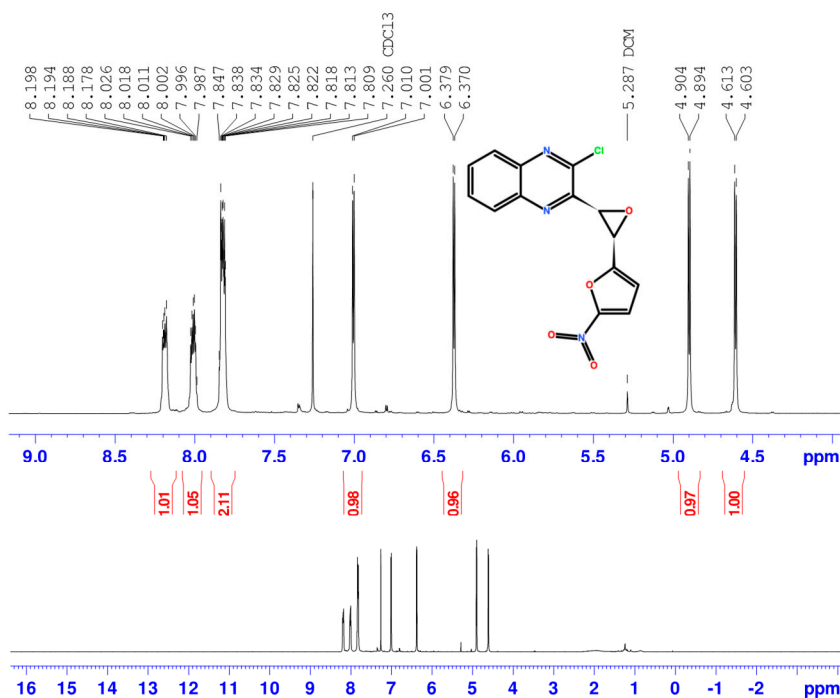
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.744	BV R	0.0422	7142.30420	2512.12720	90.6447
2	6.823	VV E	0.0357	404.16541	164.43279	5.1294
3	7.508	VV R	0.0452	332.97885	101.38938	4.2259

Totals : 7879.44846 2777.94936

*** End of Report ***

Compound 11b

2020-06-25 PEP38F2

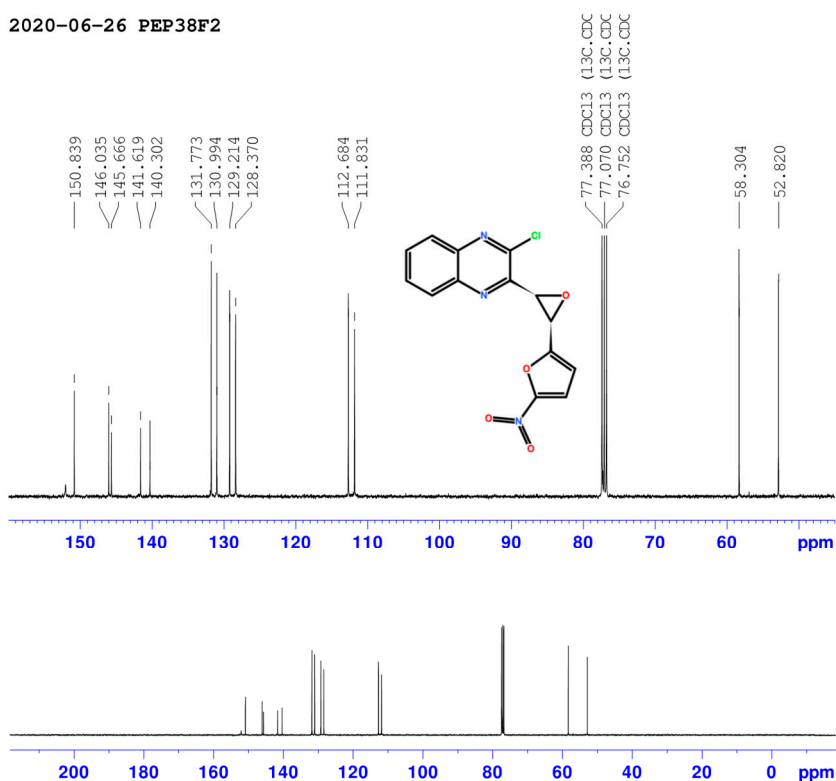


Current Data Parameters
 NAME PEP38_F2_1H
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200625
 Time 16.13 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zg30
 TD 65536
 SOLVENT CDCl₃
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300105 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

2020-06-26 PEP38F2



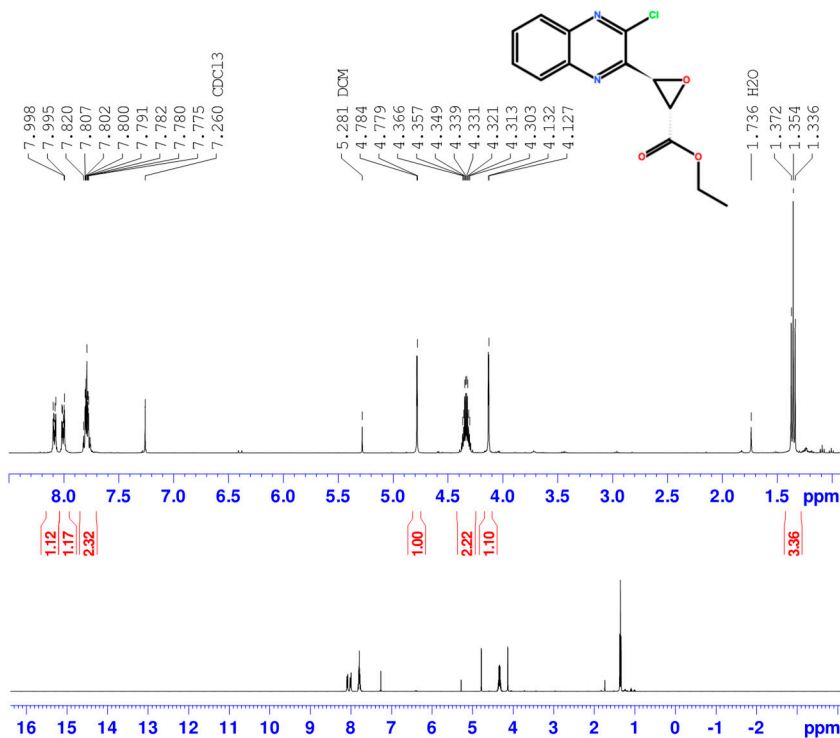
Current Data Parameters
 NAME PEP38_F2_13C
 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200626
 Time 9.22 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl₃
 NS 700
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPDPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW B4
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Compound 12a

PEP11-HCOOEt

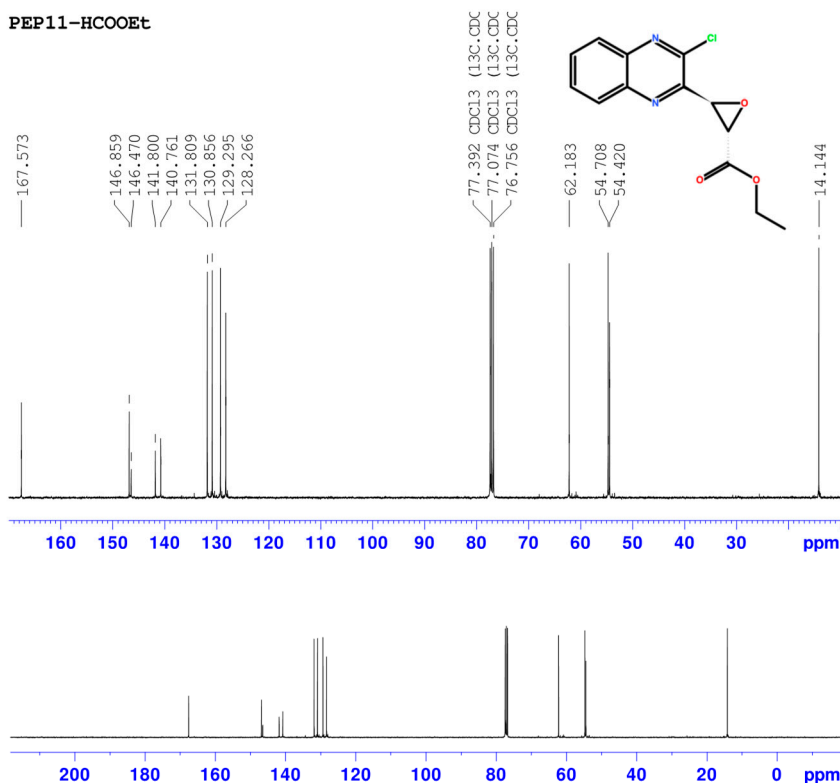


Current Data Parameters
 NAME PEP11_F2_1H
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200623
 Time 15.17 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zg30
 TD 65536
 SOLVENT CDCl₃
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 62.0438
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300103 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP11-HCOOEt



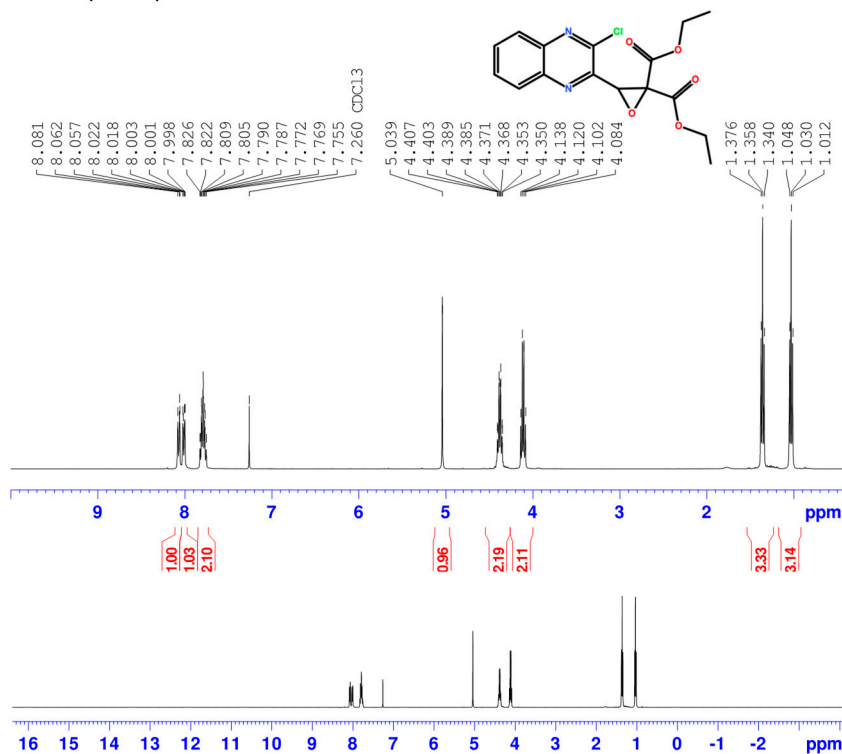
Current Data Parameters
 NAME PEP11_F2_13C
 EXPNO 20
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200626
 Time 3.59 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl₃
 NS 1024
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.628298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz16
 PCPD2 90.00 usec
 PLM2 22.80999947 W
 PLW2 0.15967000 W
 PLW3 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Compound 13

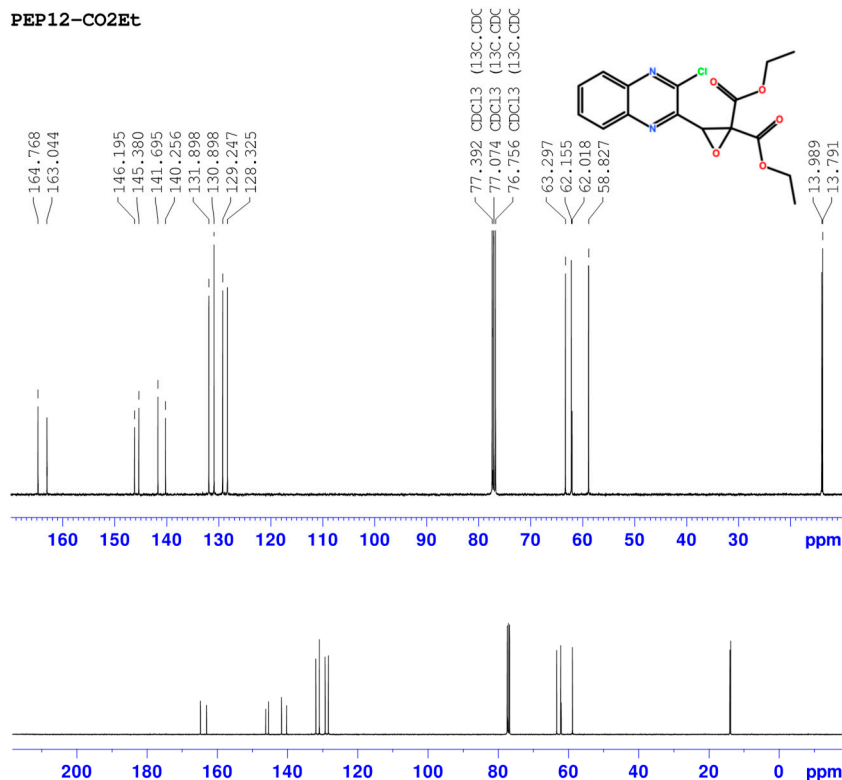
PEP12-(COOEt) 2



Current Data Parameters
 NAME PEP12_1H
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200619
 Time 11.32 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zg30
 TD 65536
 SOLVENT CDCl₃
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 62.0438
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300105 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

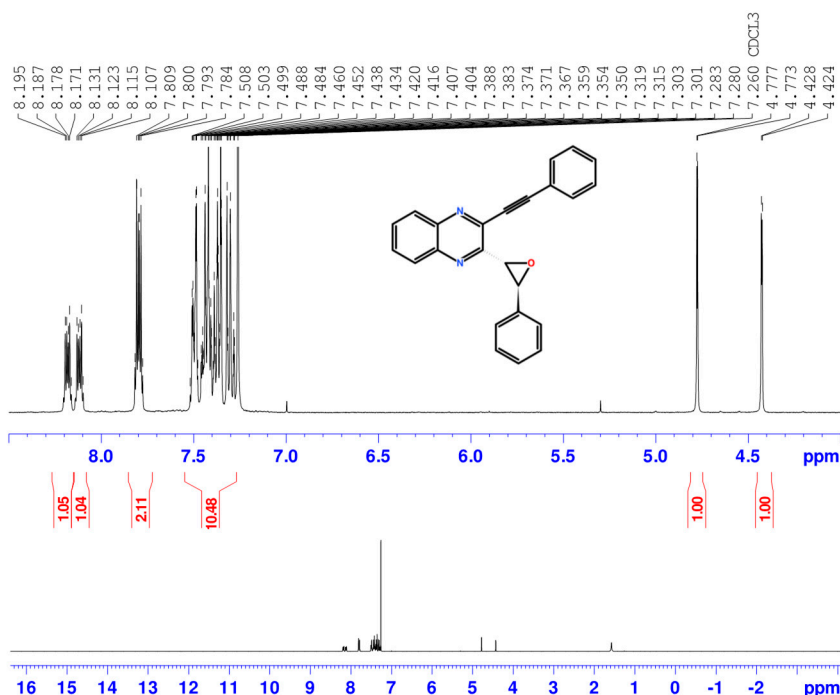
PEP12-CO₂Et

Current Data Parameters
 NAME PEP12_13C
 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200619
 Time 13.50 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl₃
 NS 1024
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.628298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

2022-03-07



```
Current Data Parameters
NAME          PEP31_1H
EXPNO         20
PROCNO        1
```

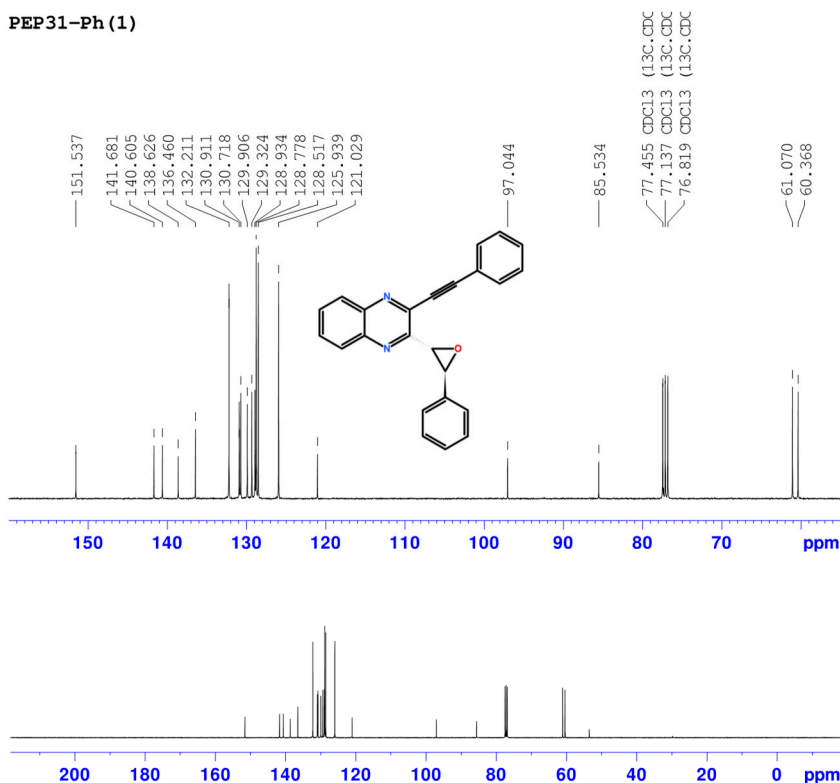
```

P2 - Acquisition Parameters
Date_          20220307
Time           19.03 h
INSTRUM        Avance NEO 400
PROBHD         2137639_013no
PULPROG        zgpg30
TD             65536
SOLVENT        CDCl3
NS             16
DS             2
SWH            8196.722 Hz
FIDRES         0.250144 Hz
AQ            3.9976959 sec
RG            101
DE            61.0000 usec
WE            13.97 usec
TE           298.0 K
D1            1.00000000 sec
INSTRUM        1
SFO1          400.1324708 MHz
NUC1           1H
P2             2.51 usec
P1             7.53 usec
PLN1          22.80999947 W

```

```
F2 - Processing parameters
SI                65536
SF                400.1300102 MHz
WDW               EM
SSB               0
LB                0.30 Hz
GB               0
PC               1.00
```

PEP31-Ph (1)



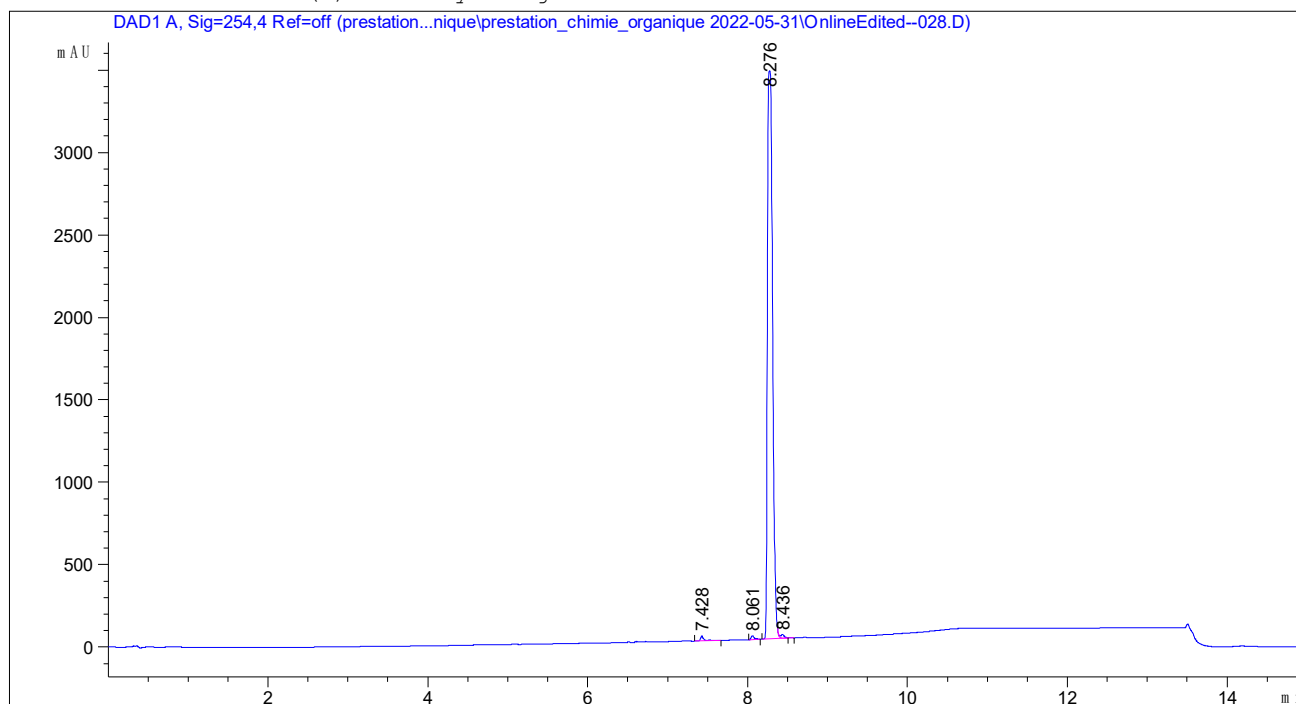
```
Current Data Parameters
NAME          PEP31_13C
EXPNO         11
PROCNO        1
```

F2 - Acquisition Parameters	
Date_	20200620
Time	12.10 h
INSTRUM	Avance NEO 400
PROBHD	1B1HNPZ-1H
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
DS	4
SWH	23809.525 Hz
FIDRES	0.764509 Hz
RG	1.3762560 sec
DW	101
RD	21.000000 sec
TE	6.50 usec
DE	298.0 K
DD1	2.00000000 sec
DD2	0.03000000 sec
DD3	1
SFO1	100.6282898 Mhz
N1	13C
NUC1	2.67 usec
P1	8.80 usec
PLW1	9.59303054 W
SFO2	400.1316055 Mhz
NUC2	1H
CPDPRG2	waltzr65
PCPD2	90.00 usec
PLW2	22.80399947 W
SFO3	101.6281200 Mhz
PLM3	0.08031400 W

```
F2 - Processing parameters
SI                32768
SF                100.6127685 MHz
WDW               EM
SSB               0
LB                1.00 Hz
GB                0
PC                1.40
```

Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--028.D
Sample Name: PEP31

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   28
Acq. Instrument : LC1290                     Location  :   P1-C9
Injection Date  : 31/5/2022 8:18:40 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



=====
Area Percent Report
=====

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

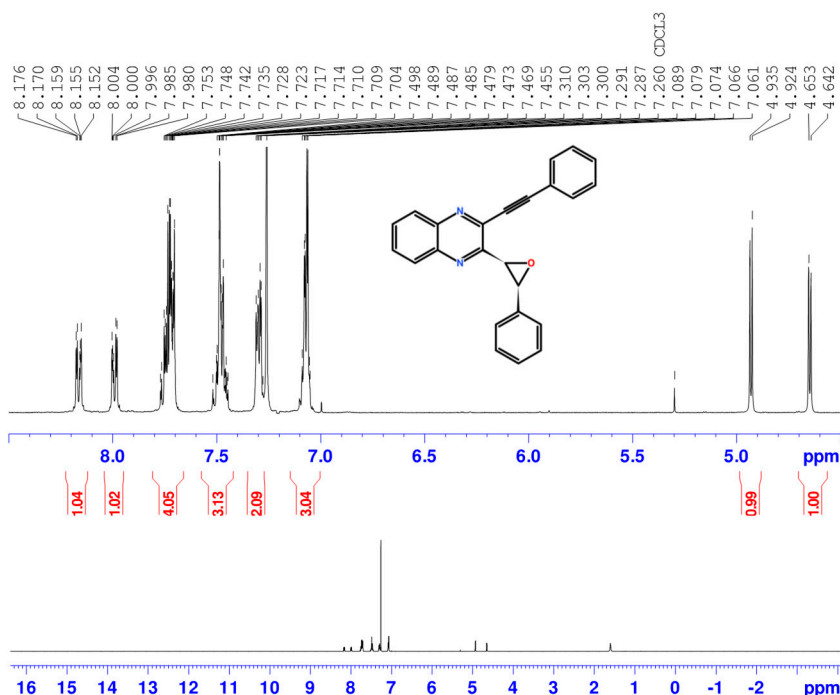
Signal 1: DAD1 A, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.428	BV R	0.0406	97.75952	29.26268	0.6318
2	8.061	BV R	0.0385	61.14993	23.35368	0.3952
3	8.276	BV R	0.0706	1.52385e4	3445.06177	98.4887
4	8.436	VV E	0.0455	74.92388	23.92803	0.4842

Totals : 1.54724e4 3521.60615

Compound 14b

2022-03-07

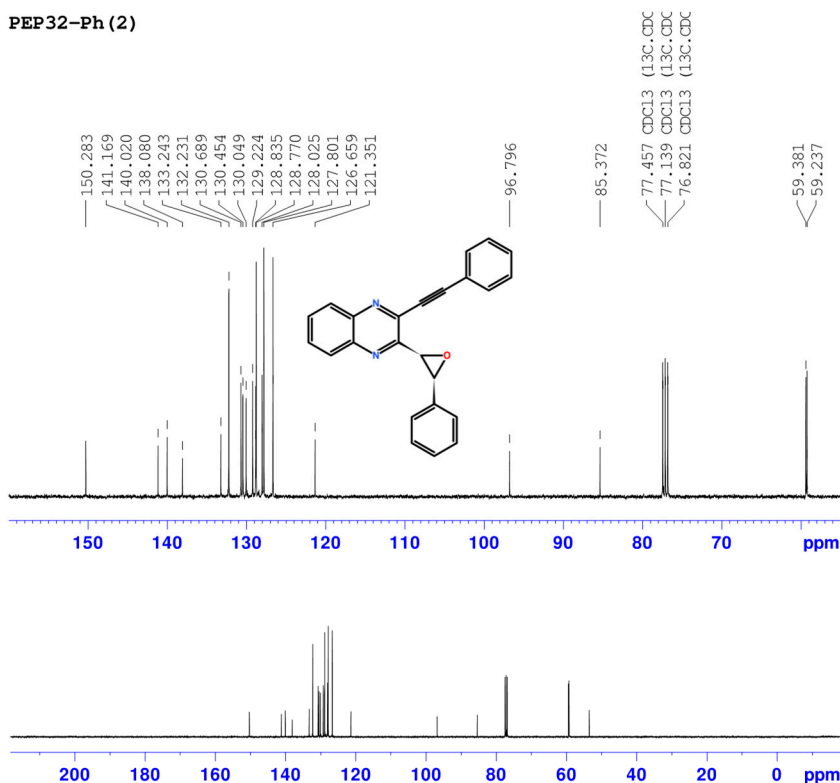


Current Data Parameters
 NAME PEP32_1H
 EXPNO 20
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220307
 Time 19.19 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300102 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP32-Ph (2)



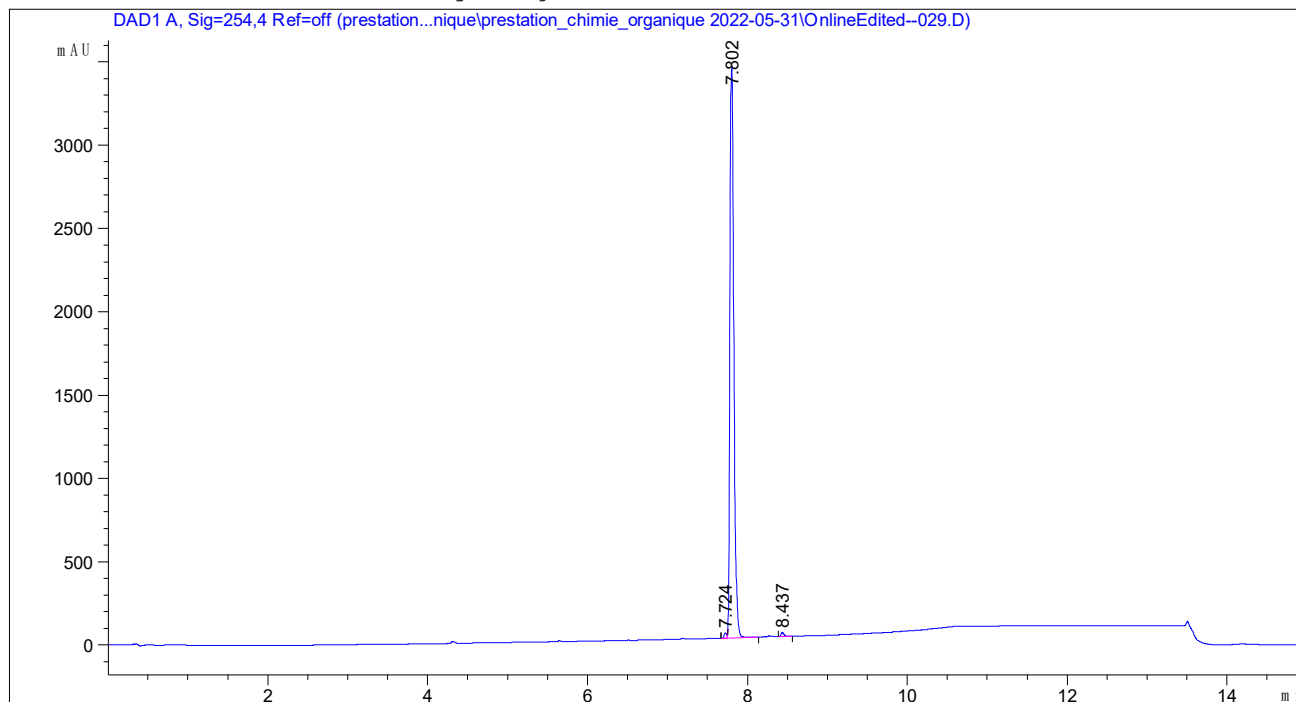
Current Data Parameters
 NAME PEP32_13C
 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200622
 Time 10.02 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 68
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.1 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--029.D
Sample Name: PEP32

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   29
Acq. Instrument : LC1290                     Location  :   P1-D1
Injection Date  : 31/5/2022 8:34:27 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method         : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

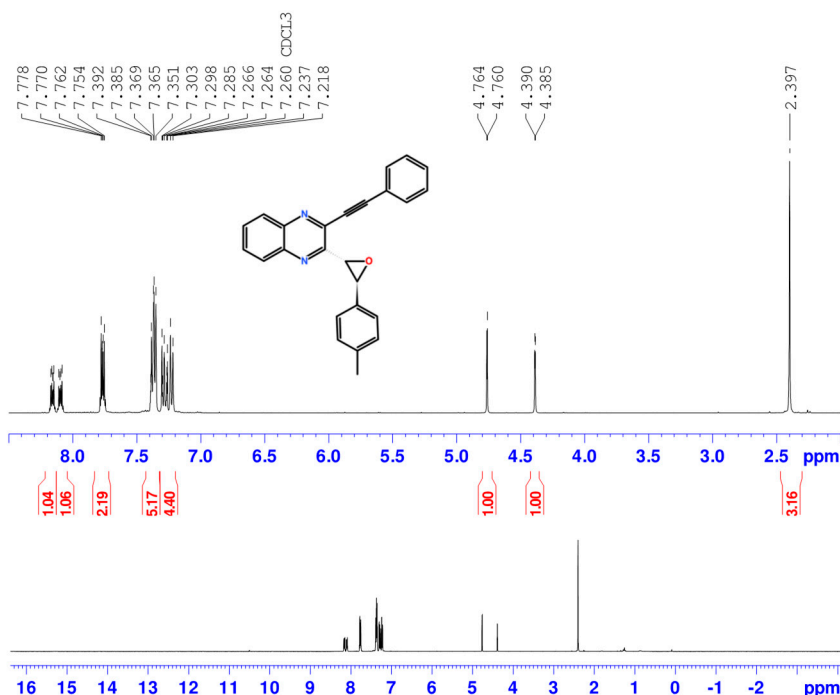
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.724	BV E	0.0311	66.60098	32.21184	0.5599
2	7.802	VV R	0.0542	1.17595e4	3415.82910	98.8665
3	8.437	BB	0.0407	68.22112	25.11445	0.5736

Totals : 1.18943e4 3473.15539

```
=====
*** End of Report ***
```

Compound 15a

PEP36-Me



```

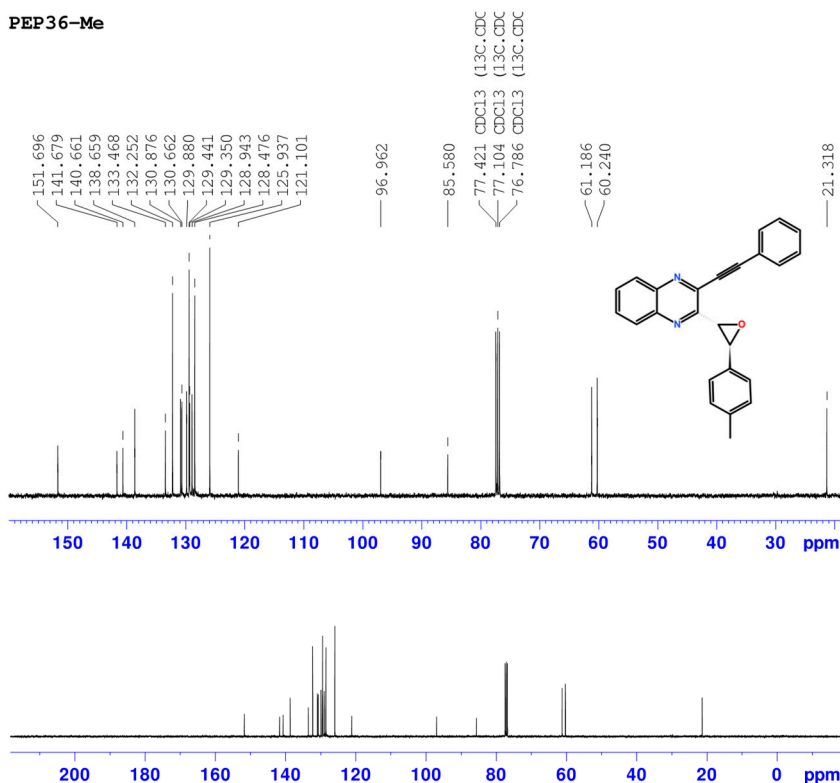
Current Data Parameters
NAME          PEP36_1H
EXPNO         10
PROCNO        1

F2 - Acquisition Parameters
Date_         20060611
Time          12.32 h
INSTRUM       Avance NEO 400
PROBHD        Z163739_0130 (
PULPROG       zg30
TD            65536
SOLVENT       CDCl3
NS            16
DS            2
SWH           8196.722 Hz
FIDRES       0.250144 Hz
AQ           3.9876959 sec
RG           49.6134
DE           61.0000 usec
DW           13.97 usec
TE           298.0 K
D1           1.0000000 sec
TD0          1
SFO1         400.1324708 MHz
NUC1         1H
P0           2.51 usec
P1           7.53 usec
PLN1         22.80999947 W

F2 - Processing parameters
SI            65536
SF           400.1300104 MHz
WDW          EM
SSB          0
LB           0.30 Hz
GB           0
PC           1.00

```

PEP36-Me



```

Current Data Parameters
NAME          PEP36_13C
EXPNO         11
PROCNO        1

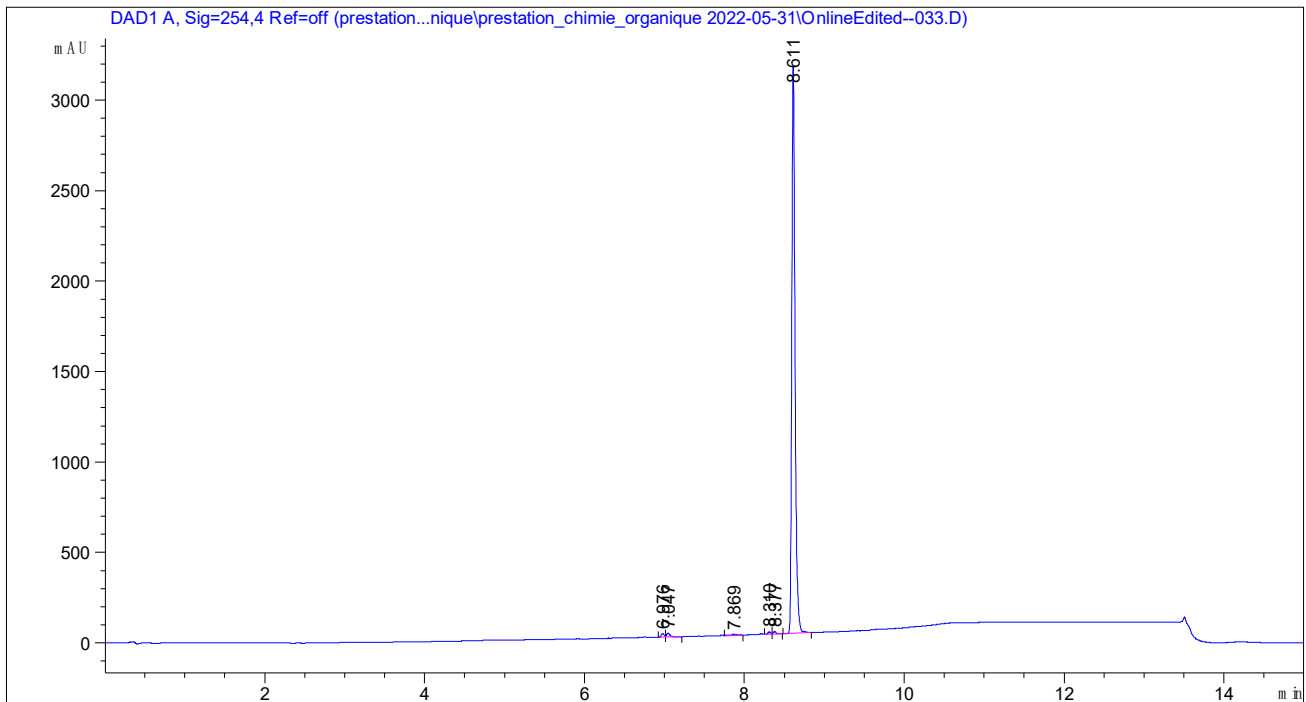
F2 - Acquisition Parameters
Date_         20200622
Time          10:25 h
INSTRUM       Avance NEO 400
PROCPRG       T2b3793_0130
T2PROC        2D
DE            D2O
SOLVENT       CDCl3
NS            74
DS            4
SWH           23809.523 Hz
F2RES         0.73609 Hz
AQ            1.3762560 sec
RG            101
DQ            24
TE            29.000000 K
DE            6.50 K sec
DE           298.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0           1
FID           160.6228298 MHz
NUC1          13C
P0            2.67 K sec
P1           81.5000000 sec
P1M1         95.5633333 MHz
SF2           400.1316000 MHz
NUC2          1H
F2PCF2(g2)    waltz16
PCF2          90.00 sec
PLM2          22.80939547 W
PLM1          0.15800000 W
PLM13         0.08034100 W

F2 - Processing parameters
S1            32768
SF            0.01627685 MHz
WDW           EM
SSB            0
GB            0.100 Hz
PC            1.40

```

Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--033.D
 Sample Name: PEP36

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   33
Acq. Instrument : LC1290                     Location  :   P1-D5
Injection Date  : 31/5/2022 9:37:33 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



=====
 Area Percent Report
 =====

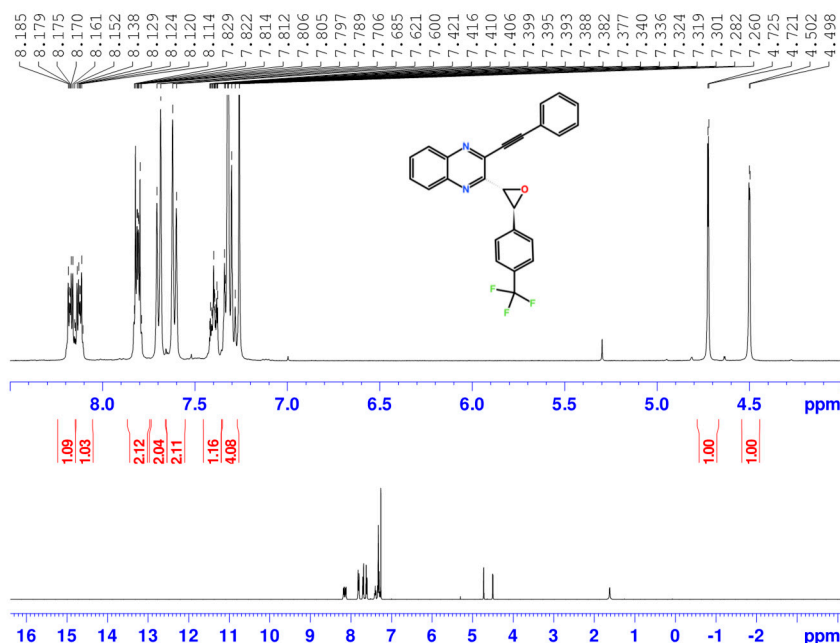
```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.976	BV	0.0355	48.41981	20.56596	0.5397
2	7.047	VV R	0.0431	63.91540	21.88852	0.7124
3	7.869	BV R	0.0418	21.84160	7.54534	0.2434
4	8.310	VV	0.0395	31.09993	11.91477	0.3466
5	8.377	VB	0.0430	38.39138	13.18491	0.4279
6	8.611	BV R	0.0436	8768.56152	3133.93701	97.7300

Totals : 8972.22963 3209.03651

PEP46 2022-03-03



```

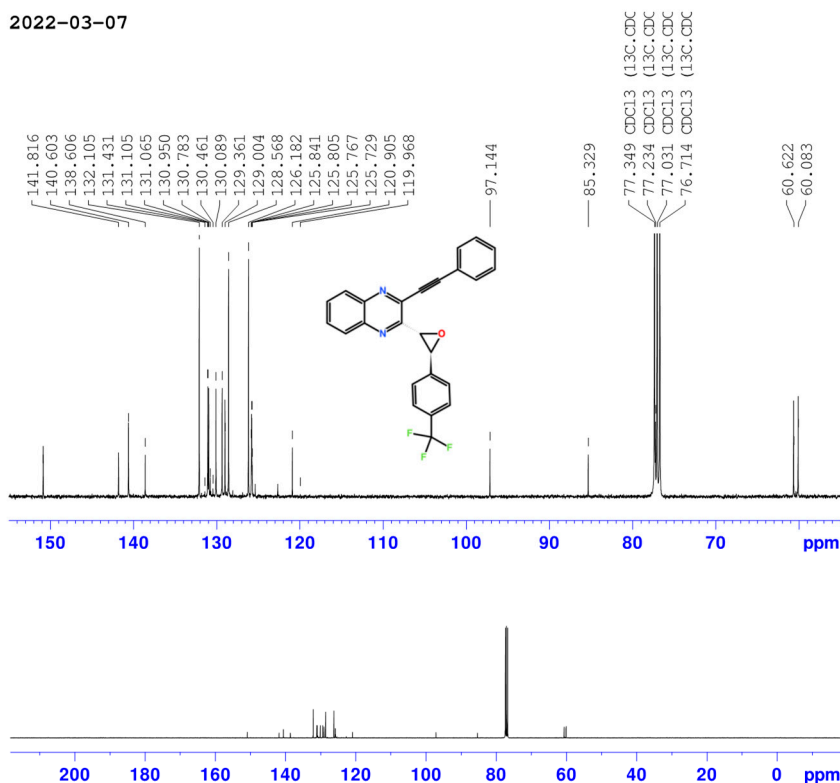
Current Data Parameters
NAME          PEP46_1H
EXPNO         10
PROCNO        1

F2 - Acquisition Parameters
Date_         2022030
Time          20.04 h
INSTRUM       Avance NEO 400
PROBHD        Z163739_0130 (
PULPROG       zg30
TD            65536
SOLVENT       CDCl3
NS            16
DS            2
SWH            8196.722 Hz
FIDRES        0.250144 Hz
AQ            3.9975959 sec
RG            101
DE            61.0000 usec
DW            13.97 usec
TE            298.0 K
D1            1.0000000 sec
TD0           1
NUC1           400.1324708 MHz
SFO1          1H
P0            2.51 usec
P1            7.53 usec
PLW1          22.80999947 W

F2 - Processing parameters
SI            65536
SF            400.1300103 MHz
WDW           EM
SSB           0
LB            0.30 Hz
GB            0
PC            1.00

```

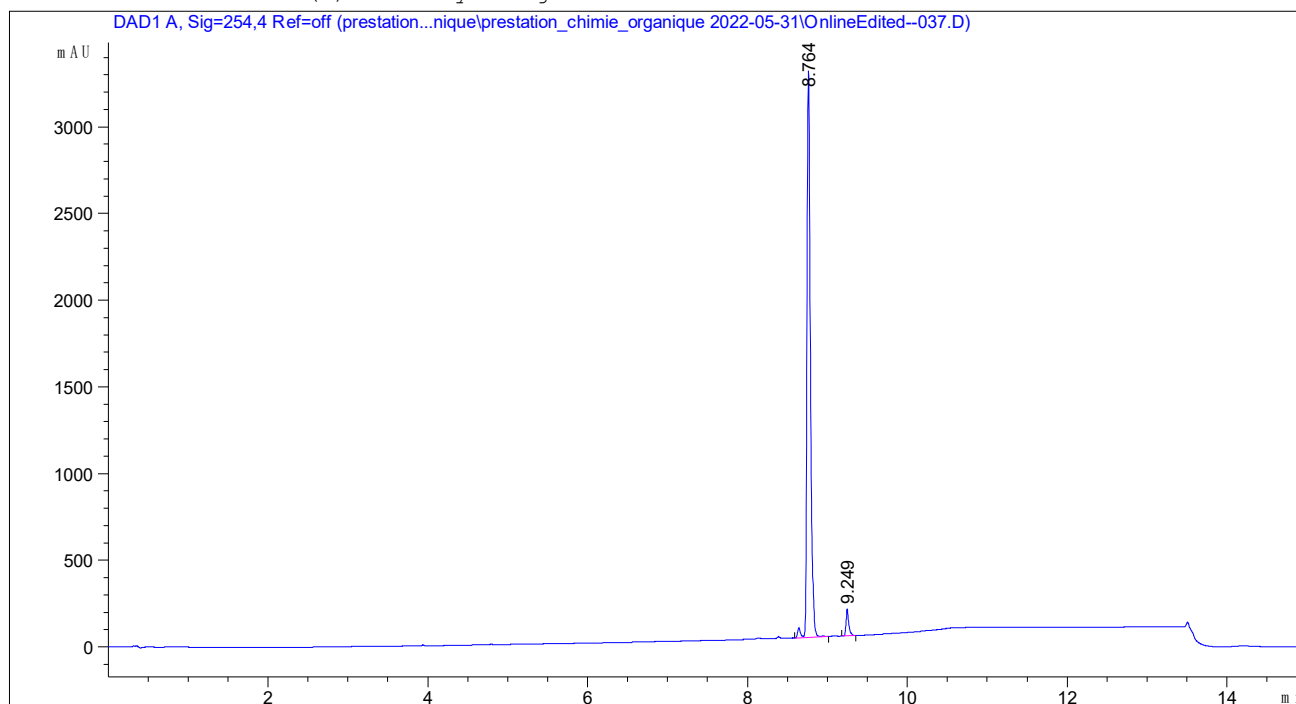
2022-03-07



Current Data Parameters	
NAME	PEP46_1JC
EXPNO	10
PROCNO	1
F2 - Acquisition Parameters	
Date_	20220308
Time	02:20:23
INSTRUM	Avance NEO 400
PROBHD	Z163739_0130
SOLVENT	DMSO-d ₆
TD	65336
DS	CDCl ₃
SWH	5000
DSH	4
F2	238959.523 Hz
F2RES	0.76799 Hz
AQ	1.3762560 sec
RQ	101
DE	21.000 usec
TE	6.980 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
SF01	100.6228798 MHz
F1	31C
P1	2.67 usec
P2	8.00 usec
PL1	95.5631541 W
PL2	400.1313605 W
MUC2	1H
CPDPRG2	waltz65
PCPD2	90.00 sec
PLK2	22.809399547 W
WFL2	0.15980000 W
PLM13	0.08031400 W
F2 - Processing parameters	
S1	32768
WF	100.6127665 MHz
SG	EM
SSB	0
LB	1.00 Hz
FC	0
PC	1.40

Data File C:\Chem32\...\rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--037.D
Sample Name: PEP46

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   37
Acq. Instrument : LC1290                     Location  :   P1-D9
Injection Date  : 31/5/2022 10:40:39 PM      Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info  : Peak(s) manually integrated
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

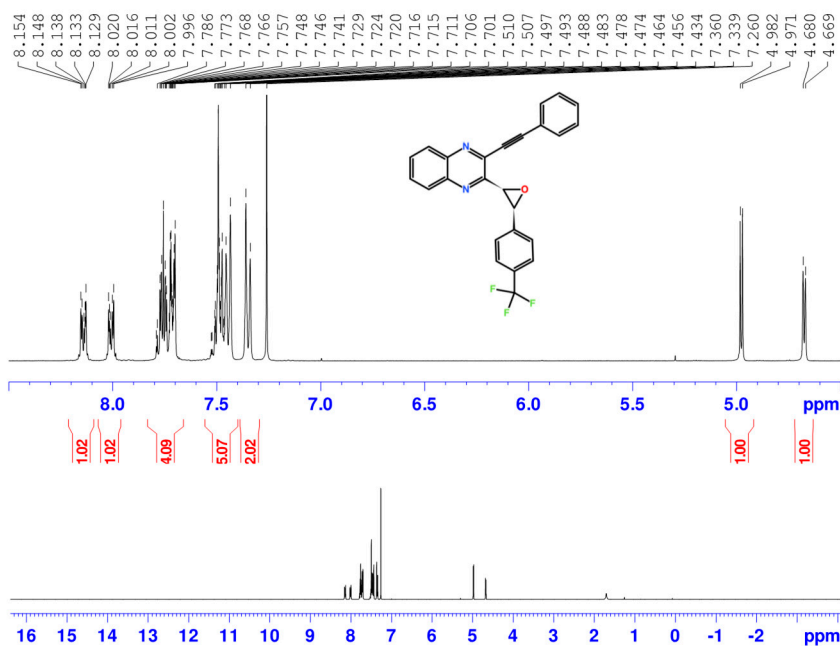
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	8.764	VV R	0.0447	9592.59277	3268.00439	96.1767
2	9.249	BB	0.0366	381.33215	155.64145	3.8233

Totals : 9973.92493 3423.64584

```
=====
                        *** End of Report ***
=====
```

Compound 16b

PEP47 2022-03-03

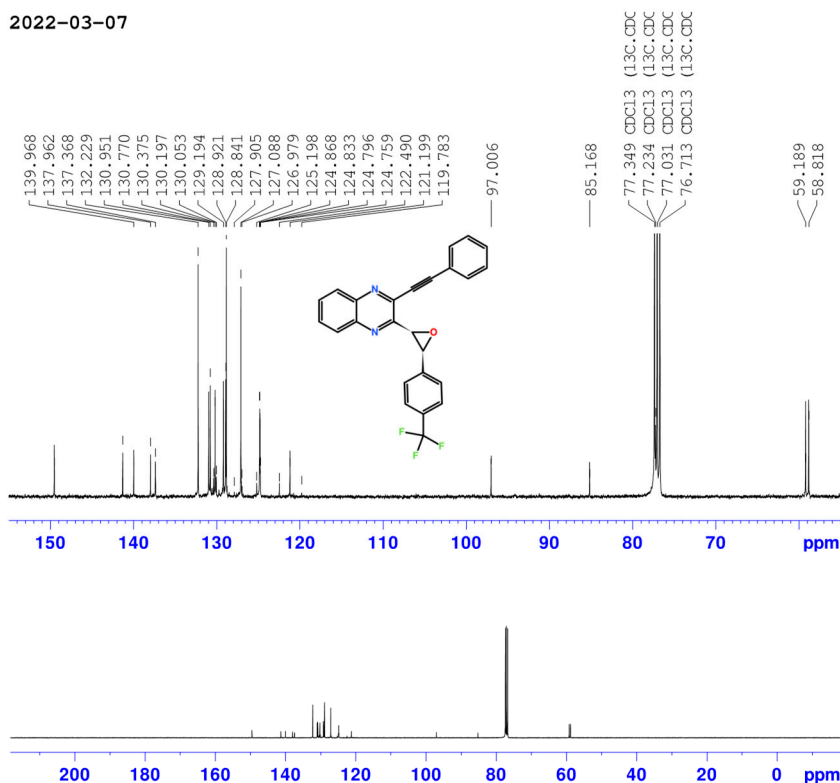


Current Data Parameters
 NAME PEP47_1H
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220303
 Time 20.12 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300103 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

2022-03-07



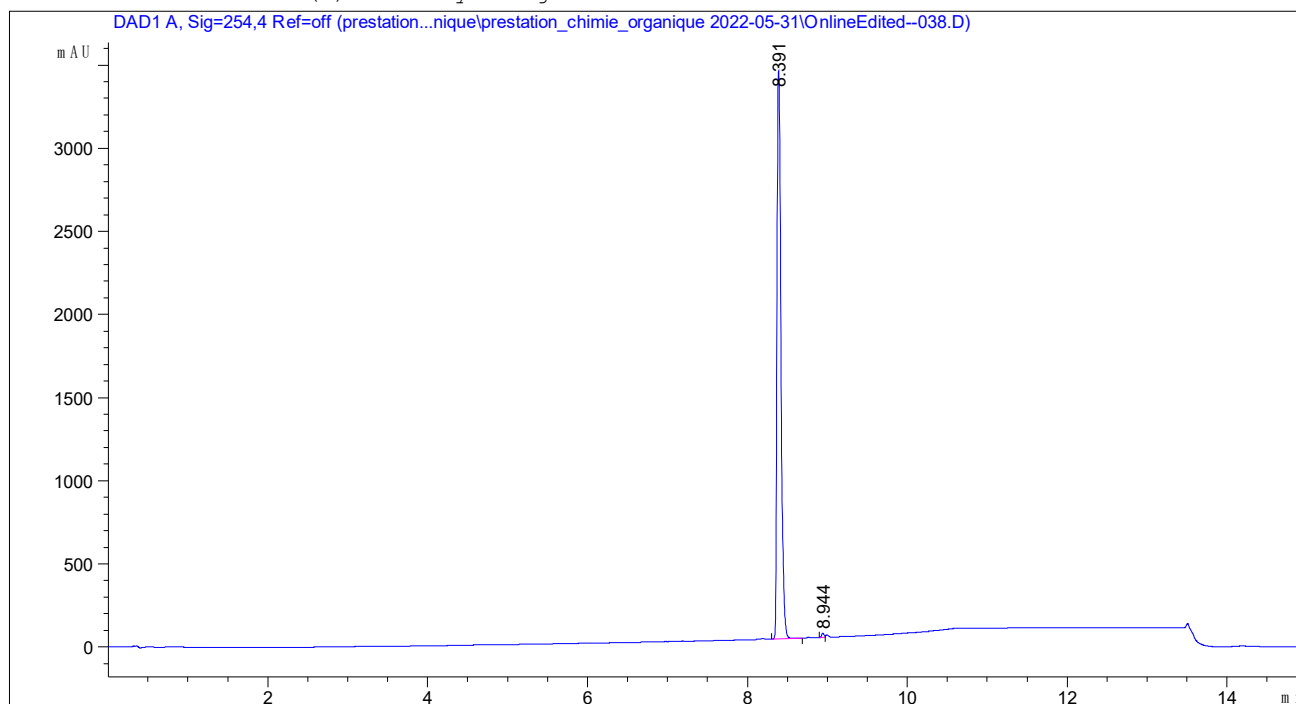
Current Data Parameters
 NAME PEP47_13C
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220308
 Time 3.57 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 5000
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--038.D
 Sample Name: PEP47

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   38
Acq. Instrument : LC1290                     Location  :   P1-E1
Injection Date  : 31/5/2022 10:56:24 PM      Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



=====
 Area Percent Report
 =====

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

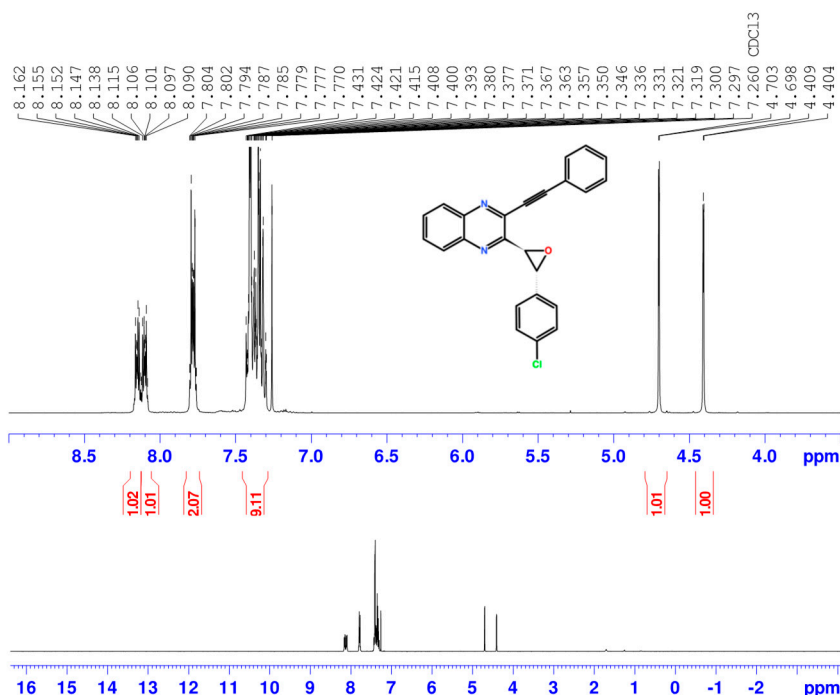
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	8.391	BV R	0.0553	1.21017e4	3417.00098	99.5291
2	8.944	BV	0.0337	57.26093	26.04416	0.4709

Totals : 1.21589e4 3443.04514

=====
 *** End of Report ***

Compound 17a

PEP25-4C1

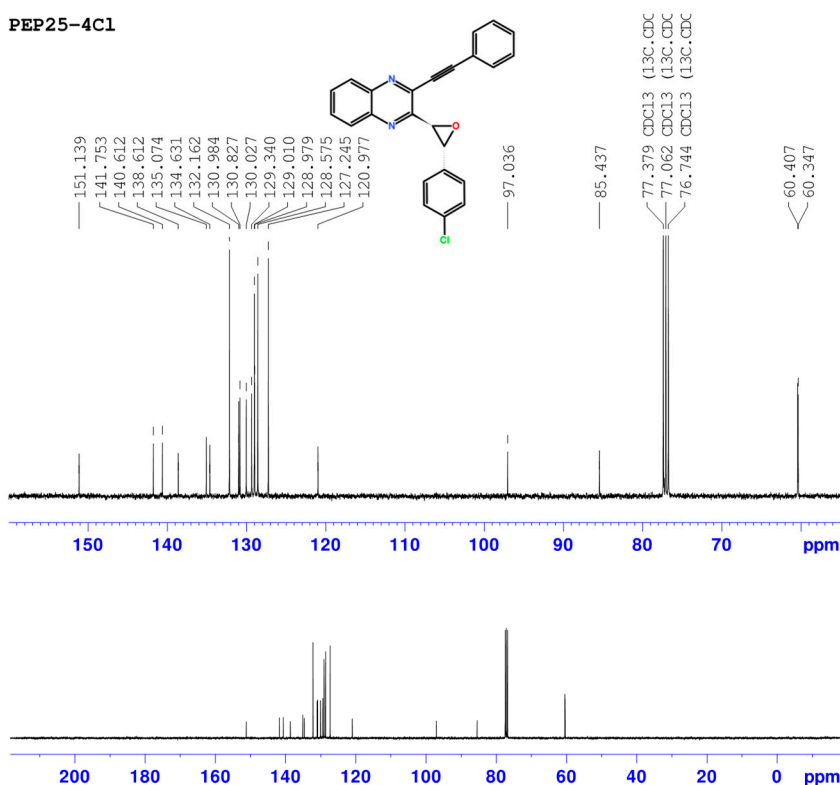


Current Data Parameters
 NAME PEP25_1H
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200619
 Time 11.38 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300105 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP25-4C1



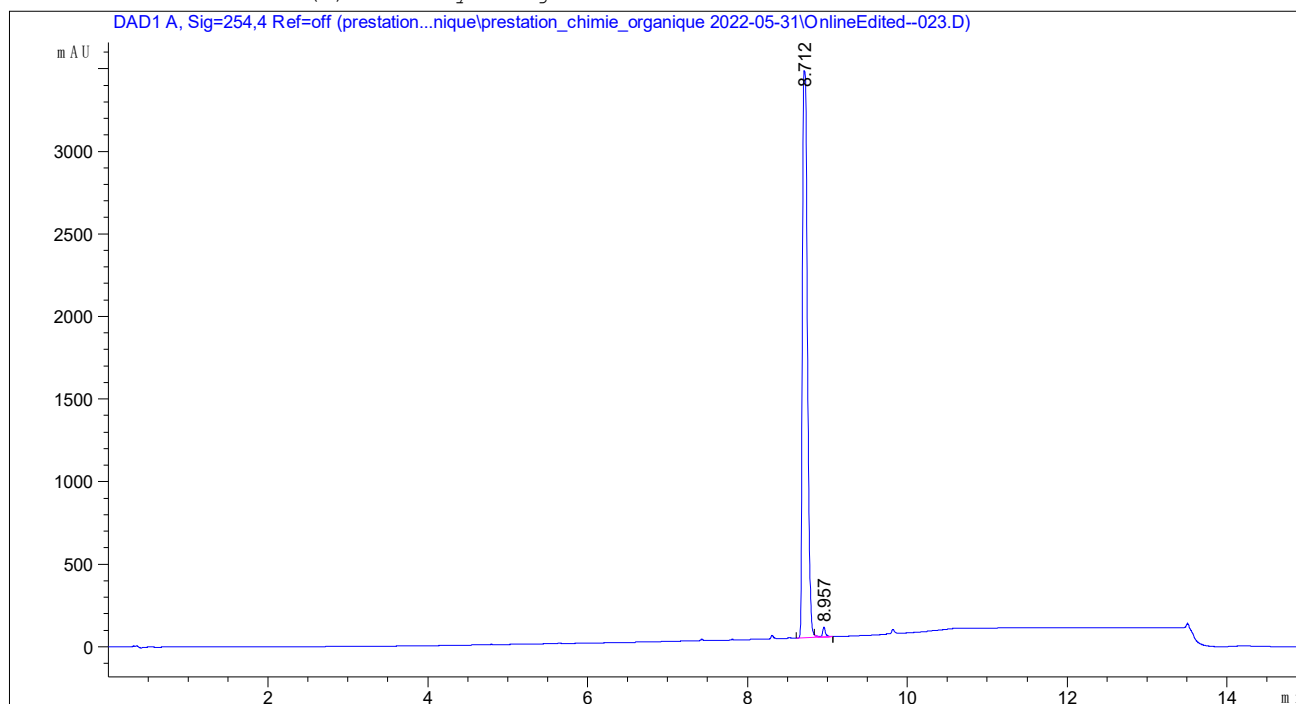
Current Data Parameters
 NAME PEP25_13C
 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200619
 Time 14.03 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 136
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.628298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz16
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--023.D
Sample Name: PEP25

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   23
Acq. Instrument : LC1290                     Location  :   P1-C4
Injection Date  : 31/5/2022 6:59:40 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method         : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

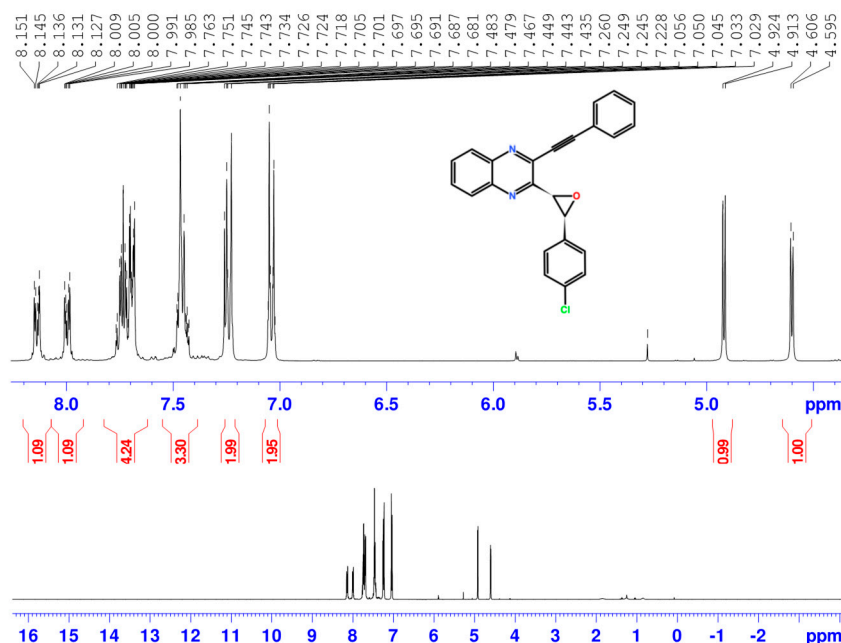
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	8.712	BV R	0.0699	1.52815e4	3433.02393	98.9401
2	8.957	VB E	0.0405	163.70430	58.79041	1.0599

Totals : 1.54452e4 3491.81433

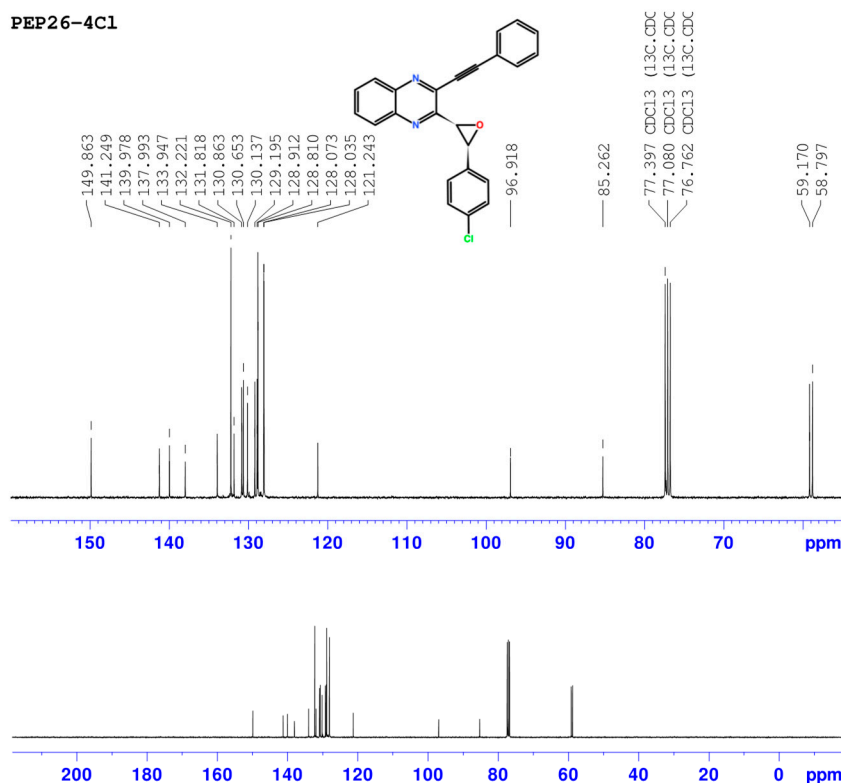
```
=====
*** End of Report ***
```

Compound 17b

PEP26-4C1

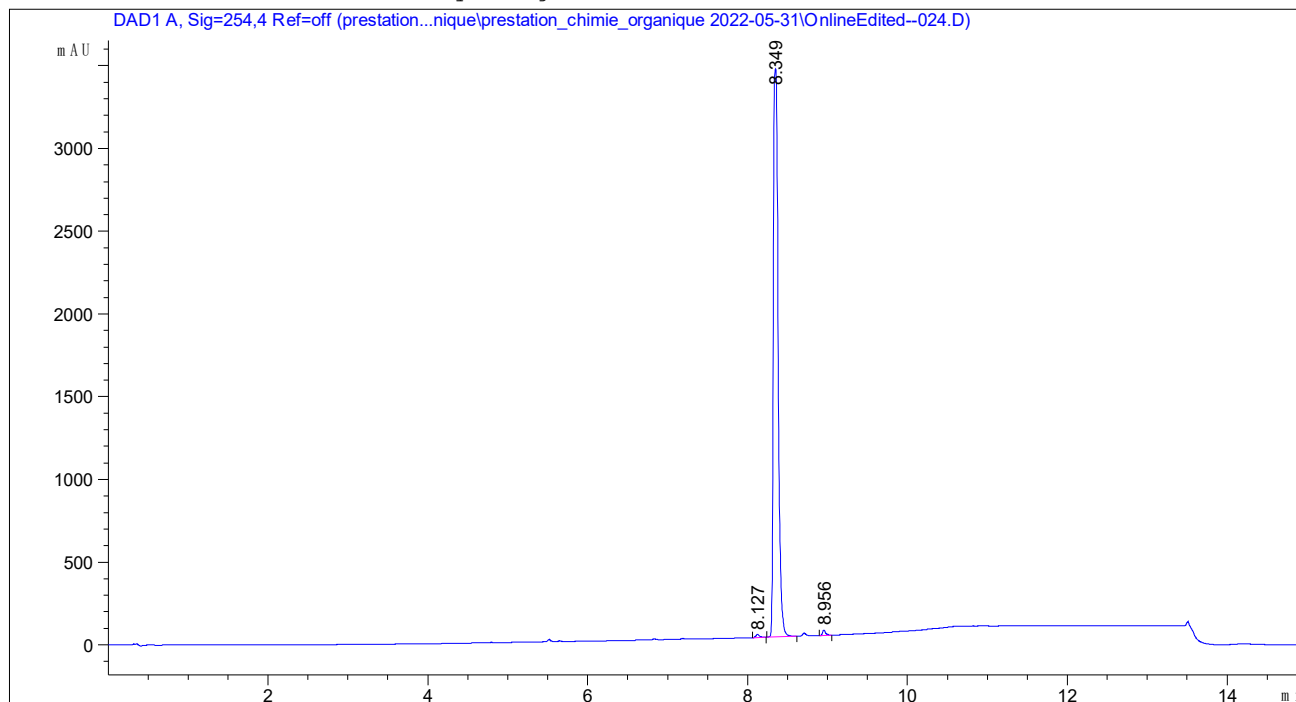


PEP26-4C1



Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--024.D
Sample Name: PEP26

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   24
Acq. Instrument : LC1290                     Location  :   P1-C5
Injection Date  : 31/5/2022 7:15:28 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

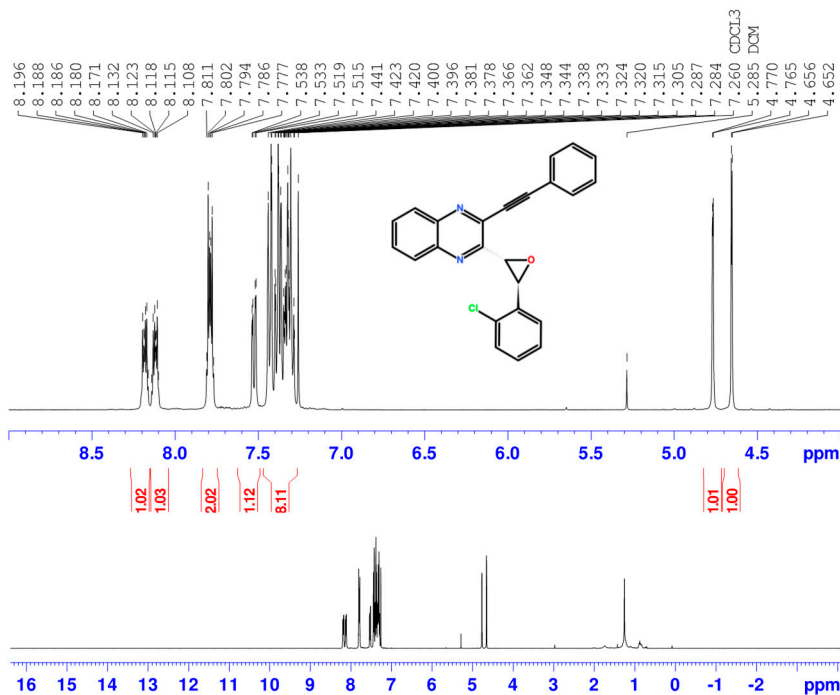
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	8.127	BB	0.0455	56.93033	18.73463	0.3922
2	8.349	BV R	0.0659	1.43769e4	3432.73145	99.0429
3	8.956	BB	0.0375	81.99546	32.43653	0.5649

Totals : 1.45158e4 3483.90261

```
=====
*** End of Report ***
```

Compound 18a

PEP29-2C1

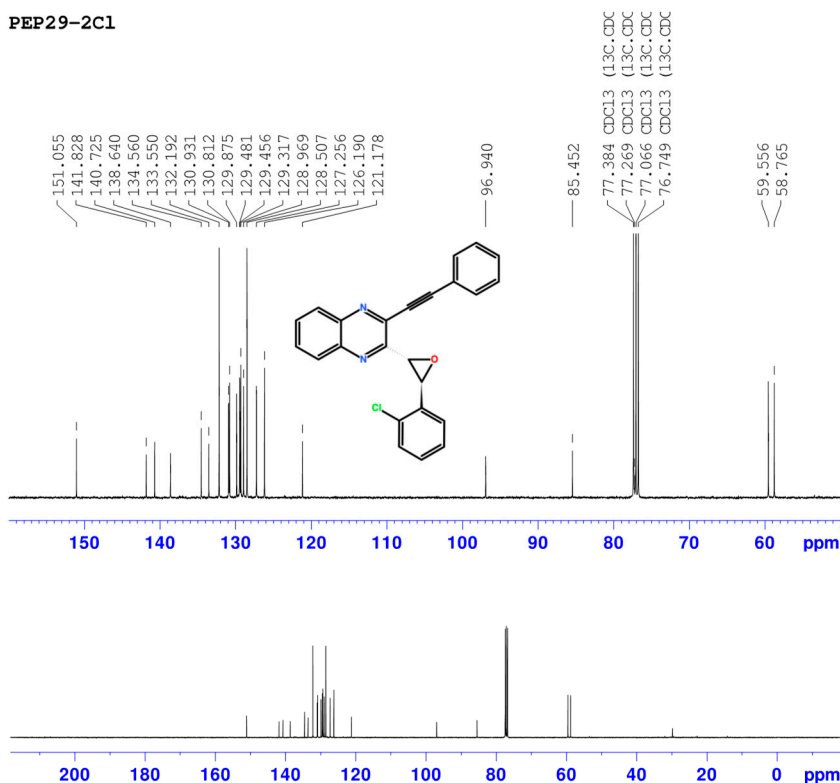


Current Data Parameters
 NAME PEP29_1H
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200619
 Time 11.51 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zgc30)
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 72.741
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300105 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP29-2C1



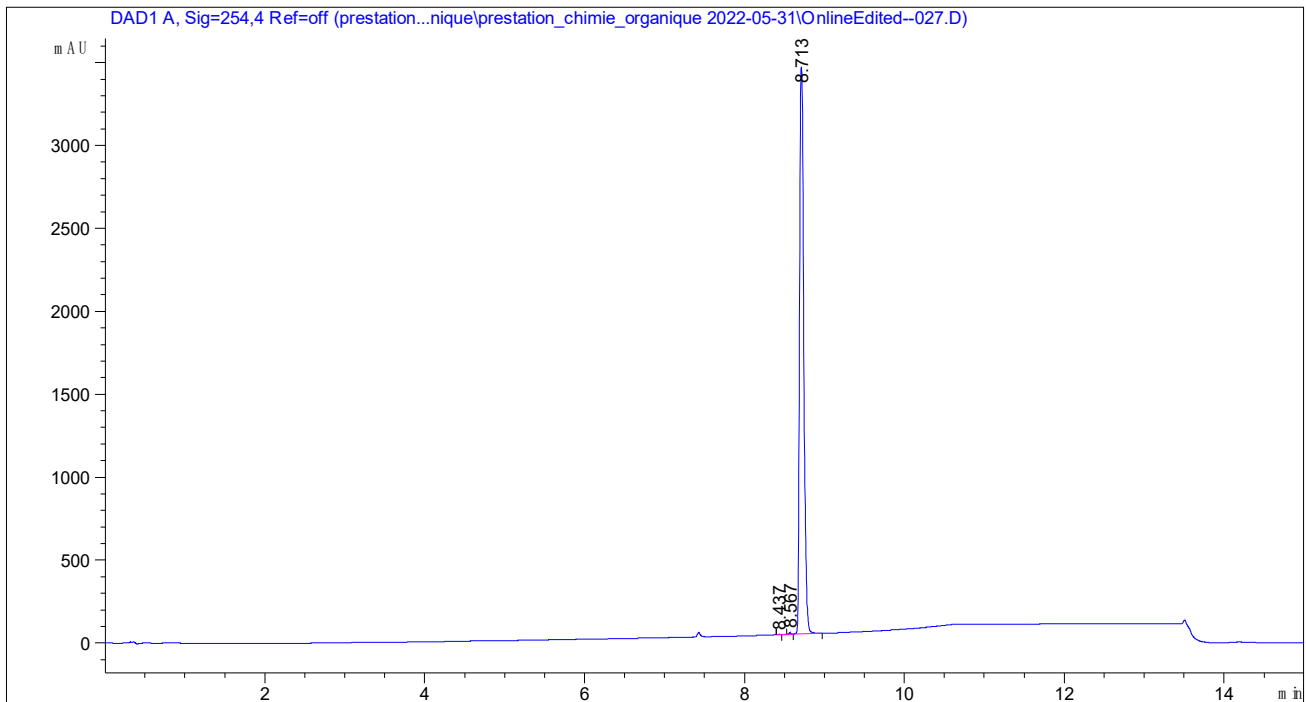
Current Data Parameters
 NAME PEP29_13C
 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200620
 Time 11.00 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zgpg30)
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 800
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz16
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...\rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--027.D
Sample Name: PEP29

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   27
Acq. Instrument : LC1290                     Location  :   P1-C8
Injection Date  : 31/5/2022 8:02:51 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method         : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

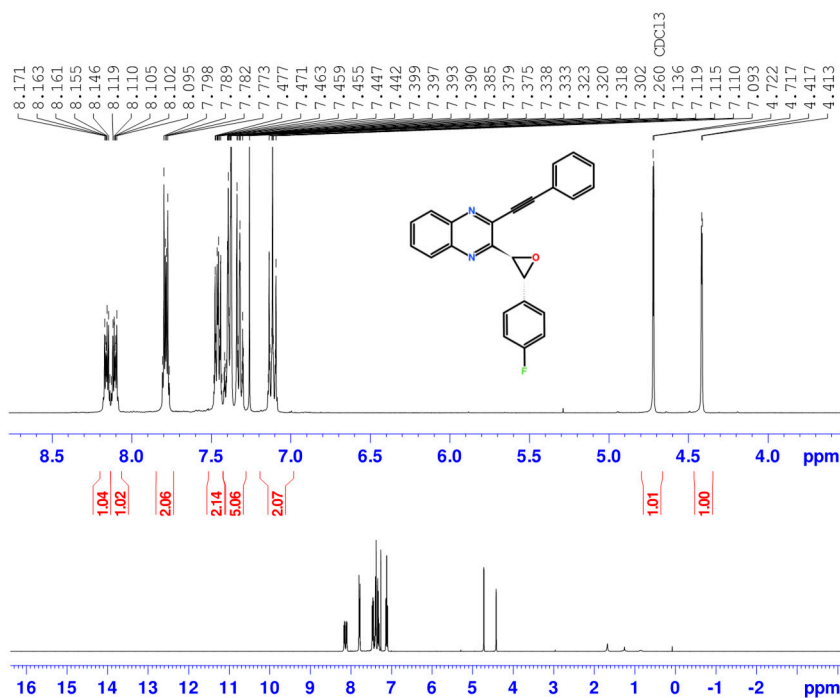
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	8.437	BV E	0.0319	5.31774	2.60060	0.0432
2	8.567	VV E	0.0336	21.93933	9.98431	0.1781
3	8.713	VB R	0.0570	1.22946e4	3418.70166	99.7788

Totals : 1.23218e4 3431.28657

```
=====
*** End of Report ***
```

Compound 19a

PEP27-4F

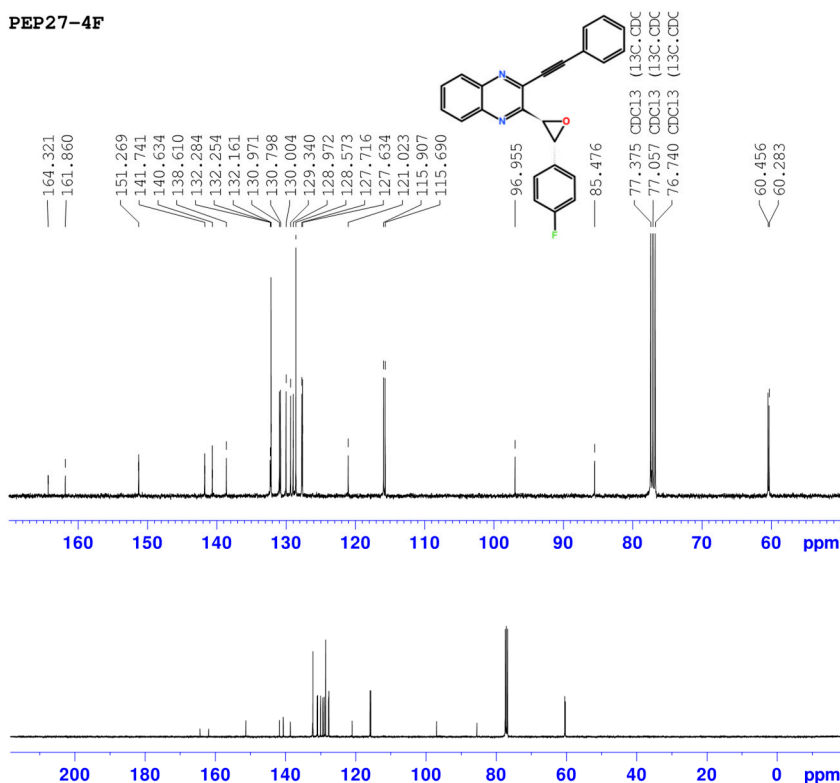


Current Data Parameters
 NAME PEP27_1H
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200619
 Time 15.22 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zg30)
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300104 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP27-4F



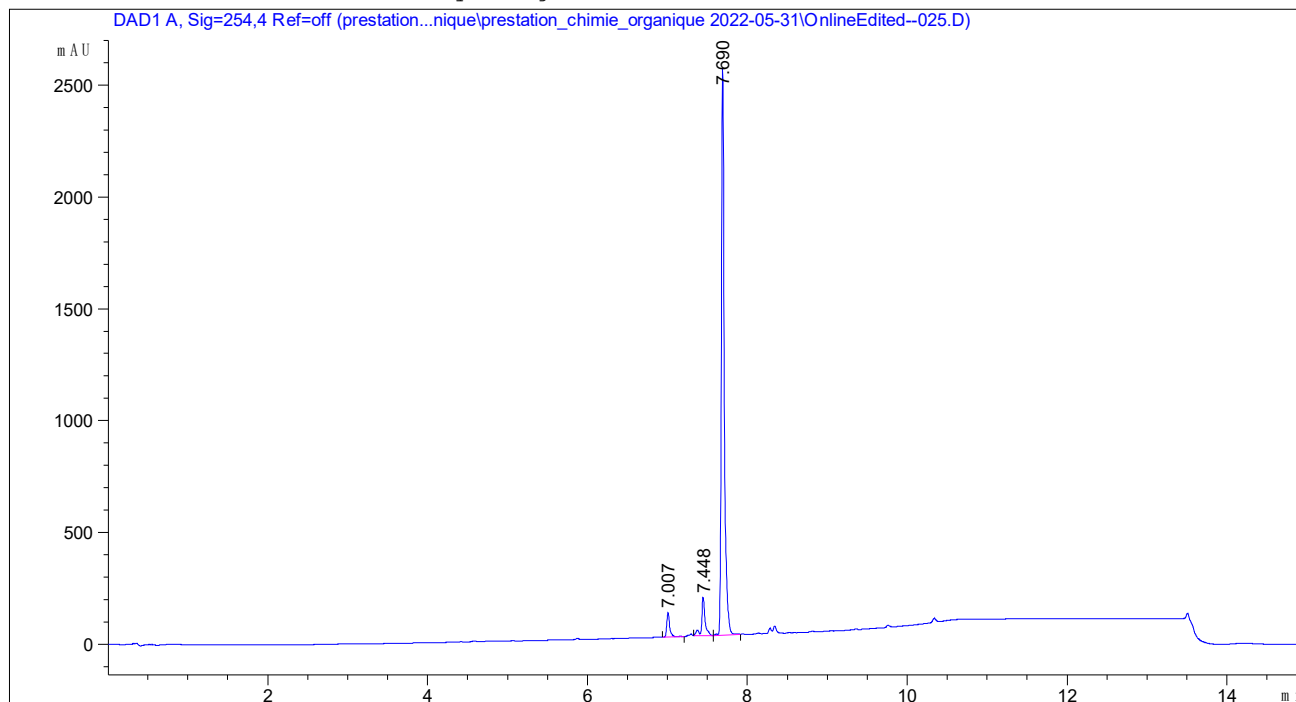
Current Data Parameters
 NAME PEP27_13C
 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200622
 Time 12.10 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zgpg30)
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 350
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--025.D
Sample Name: PEP27

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   25
Acq. Instrument : LC1290                     Location  :   P1-C6
Injection Date  : 31/5/2022 7:31:17 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method         : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

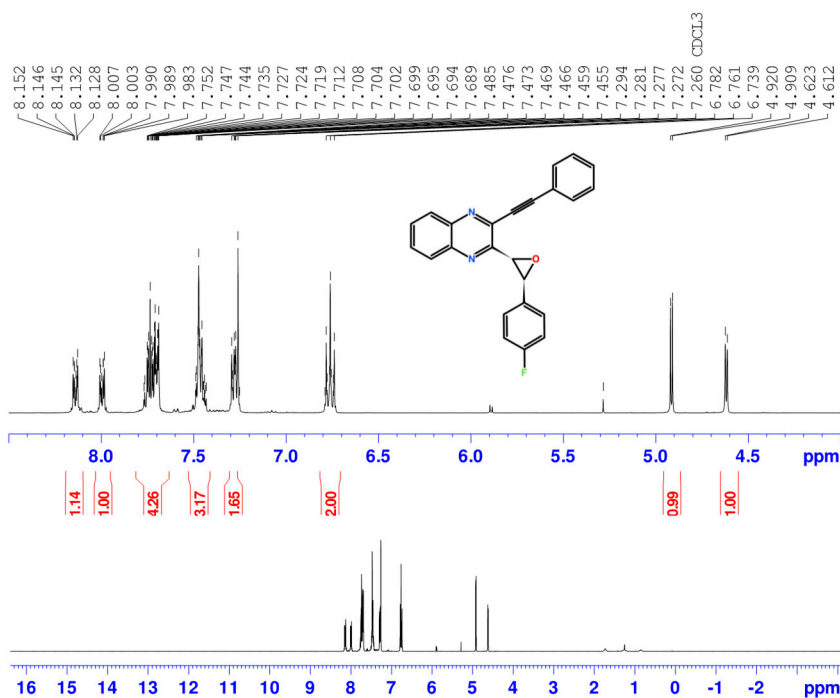
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.007	BV R	0.0396	292.25009	108.85187	3.9192
2	7.448	VB R	0.0396	520.73712	170.16032	6.9834
3	7.690	VV R	0.0395	6643.84668	2529.45068	89.0974

Totals : 7456.83389 2808.46288

```
=====
*** End of Report ***
```


Compound 19b

PEP28-4F

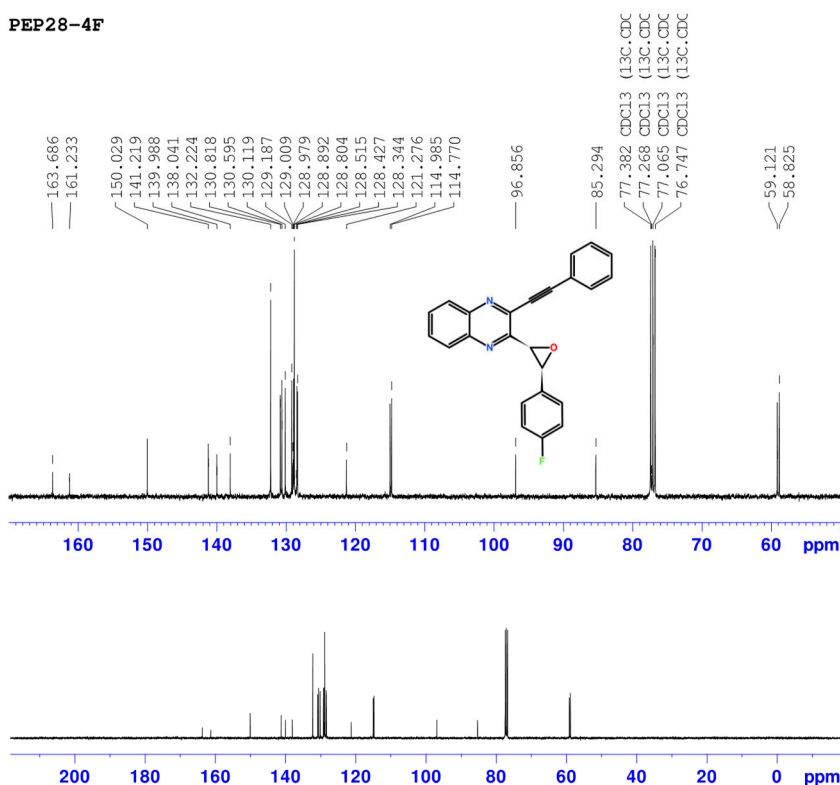


Current Data Parameters
NAME PEP28_1H
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20200619
Time 15.28 h
INSTRUM Avance NEO 400
PROBHD Z163739_0130 (zg30)
PULPROG zg30
TD 65536
SOLVENT CDCl₃
NS 16
DS 2
SWH 8196.722 Hz
FIDRES 0.250144 Hz
AQ 3.9976959 sec
RG 101
DW 61.000 usec
DE 13.97 usec
TE 298.0 K
D1 1.00000000 sec
TD0 1
SFO1 400.1324708 MHz
NUC1 1H
P0 2.51 usec
P1 7.53 usec
PLW1 22.80999947 W

F2 - Processing parameters
SI 65536
SF 400.1300402 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

PEP28-4F



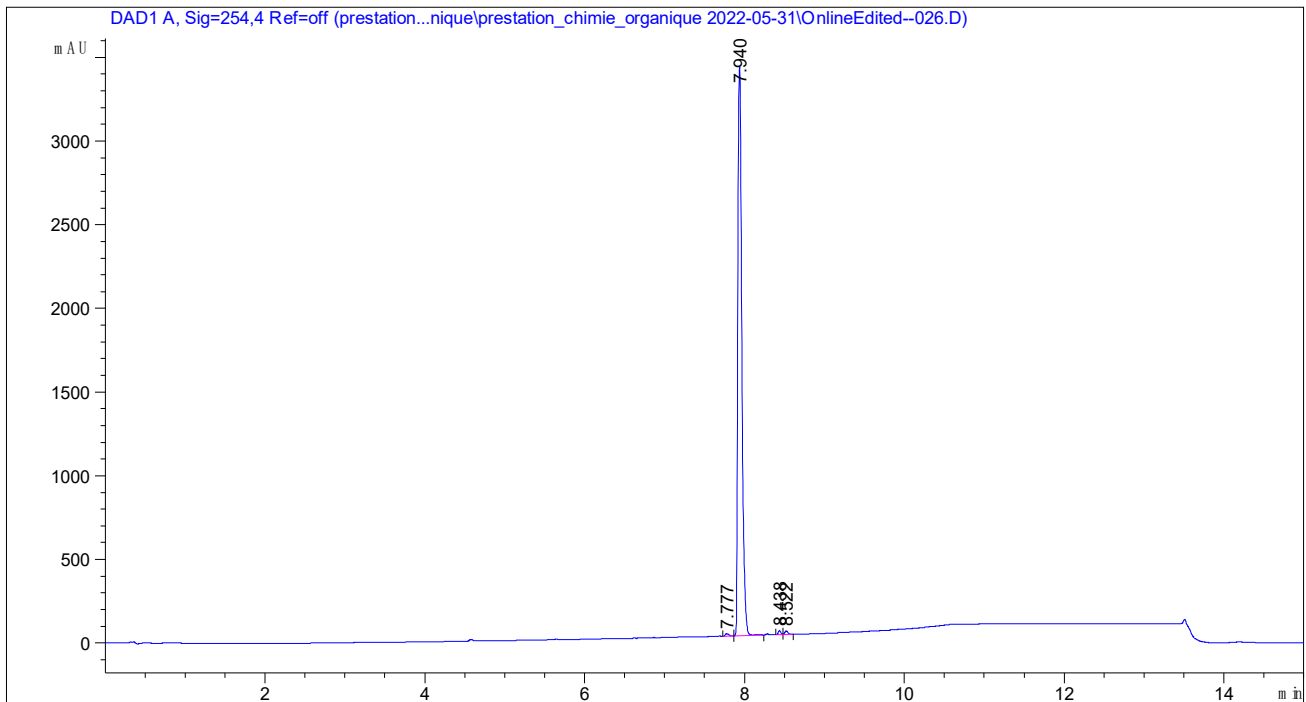
Current Data Parameters
NAME PEP28_13C
EXPNO 11
PROCNO 1

F2 - Acquisition Parameters
Date_ 20200622
Time 15.56 h
INSTRUM Avance NEO 400
PROBHD Z163739_0130 (zgpg30)
PULPROG zgpg30
TD 65536
SOLVENT CDCl₃
NS 176
DS 4
SWH 23809.523 Hz
FIDRES 0.726609 Hz
AQ 1.3762560 sec
RG 101
DW 21.000 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1
SFO1 100.6228298 MHz
NUC1 13C
P0 2.67 usec
P1 8.00 usec
PLW1 95.56300354 W
SFO2 400.1316005 MHz
NUC2 1H
CPOPRG(2) waltz65
PCPD2 90.00 usec
PLW2 22.80999947 W
PLW12 0.15967000 W
PLW13 0.08031400 W

F2 - Processing parameters
SI 32768
SF 100.6127685 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Data File C:\Chem32\...\rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--026.D
Sample Name: PEP28

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   26
Acq. Instrument : LC1290                     Location  :   P1-C7
Injection Date  : 31/5/2022 7:47:03 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method         : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier           :      1.0000
Dilution             :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

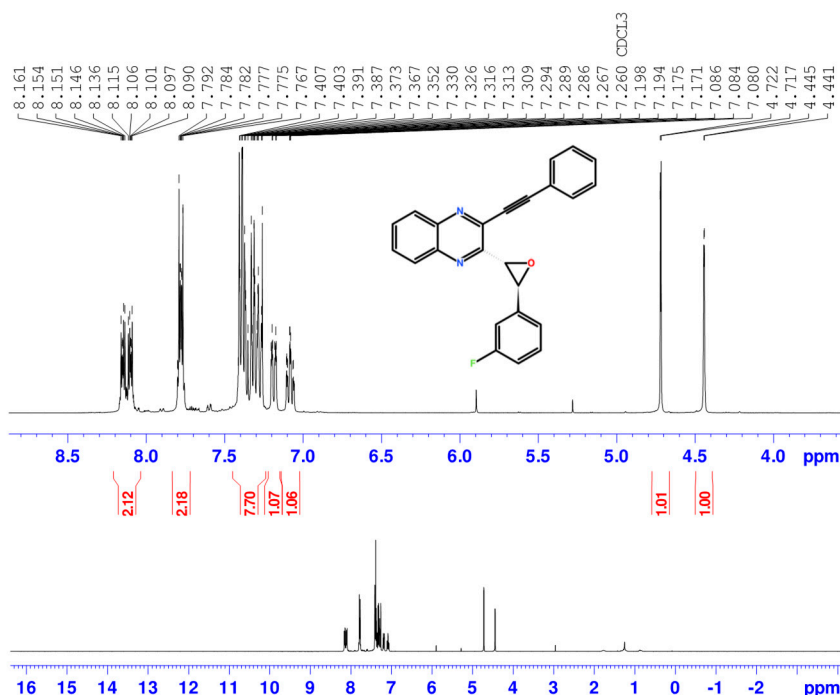
Signal 1: DAD1 A, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.777	BB	0.0422	45.23986	15.91781	0.3853
2	7.940	BV R	0.0537	1.15784e4	3399.18823	98.6096
3	8.438	BV	0.0373	59.40652	24.52583	0.5059
4	8.522	VB	0.0395	58.61246	21.73516	0.4992

Totals : 1.17417e4 3461.36704

Compound 20a

PEP35-3F

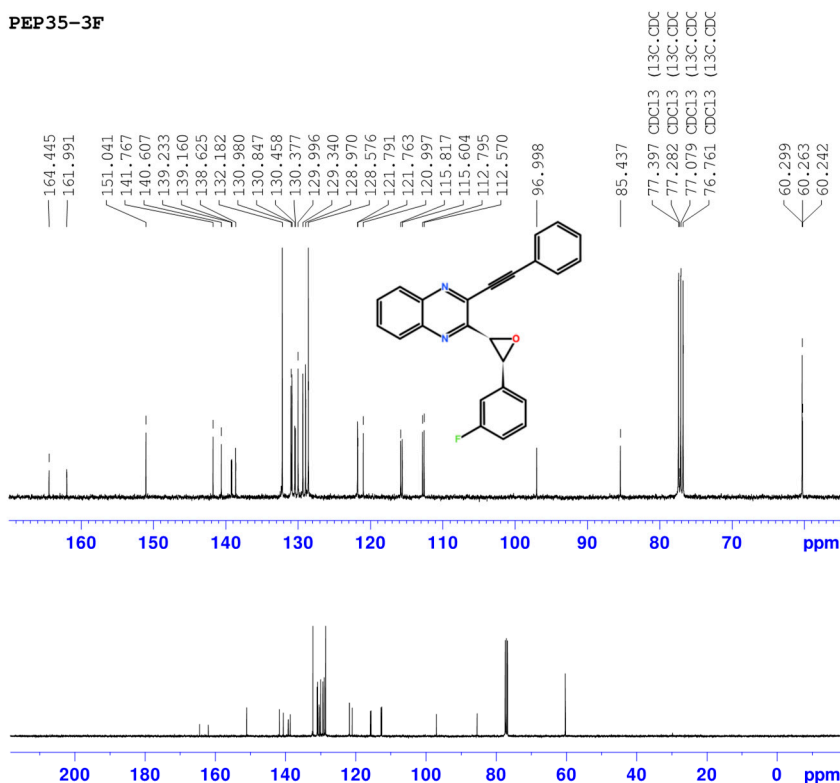


Current Data Parameters
 NAME PEP35_1H
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200619
 Time 15.47 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 85.6123
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300105 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP35-3F



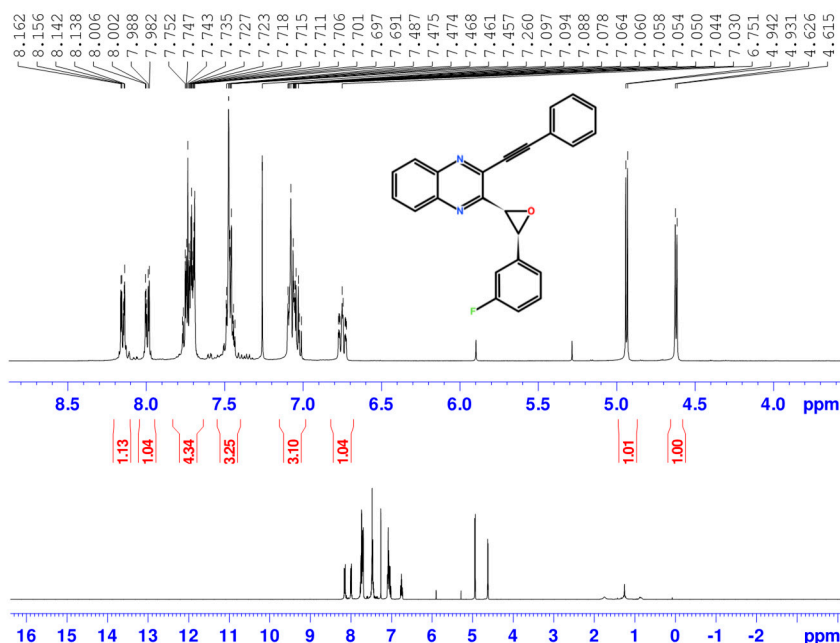
Current Data Parameters
 NAME PEP35_13C
 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200622
 Time 15.07 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 210
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.628298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Compound 20b

PEP34-3F

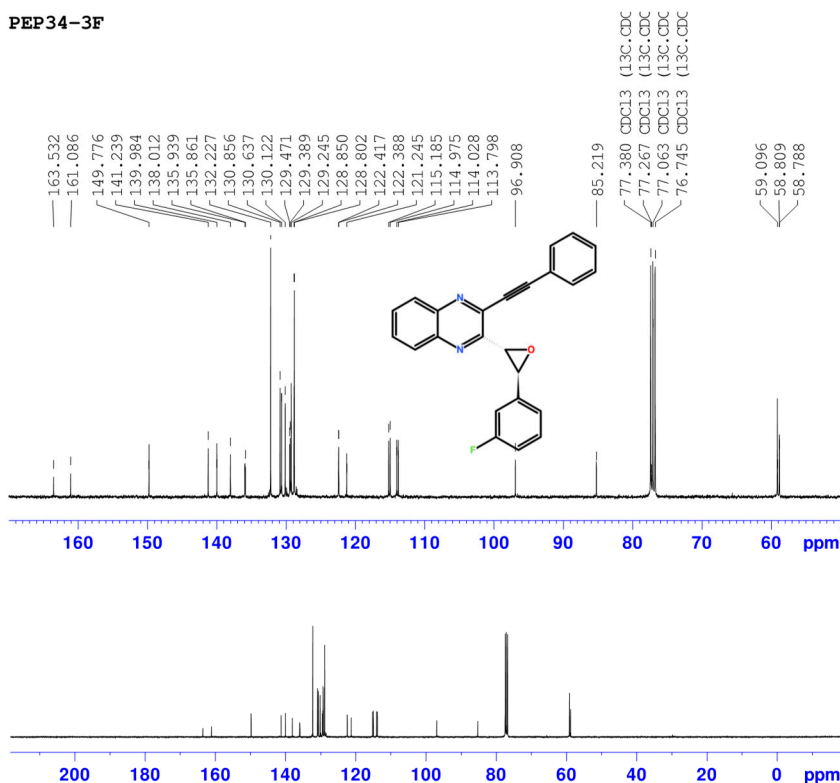


Current Data Parameters
 NAME PEP34_1H
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200619
 Time 15.41 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zpg30)
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 100.9
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300104 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP34-3F



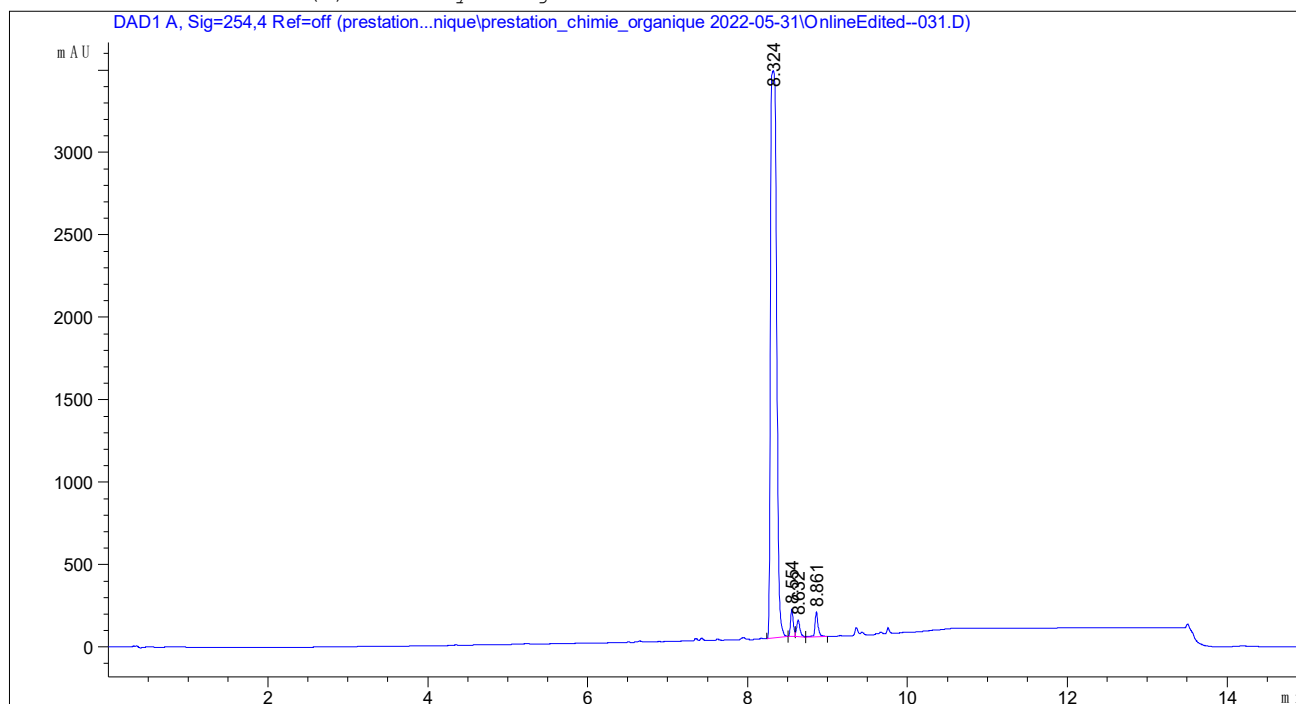
Current Data Parameters
 NAME PEP34_13C
 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20200622
 Time 13.26 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zpg30)
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 602
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.628298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--031.D
Sample Name: PEP34

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   31
Acq. Instrument : LC1290                     Location  :   P1-D3
Injection Date  : 31/5/2022 9:06:01 PM        Inj       :    1
                                           Inj Volume: 1.000 µl
Method         : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



Area Percent Report

```
=====
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

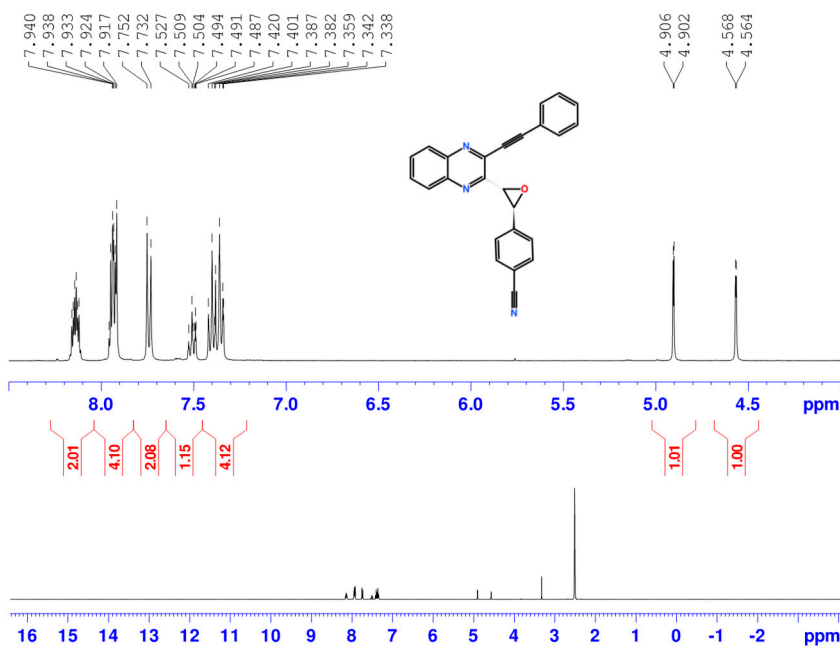
Signal 1: DAD1 A, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	8.324	BB	0.0827	1.78862e4	3439.96216	94.2043
2	8.554	BV	0.0363	394.31558	168.49573	2.0768
3	8.632	VB	0.0444	300.44666	101.93674	1.5824
4	8.861	VB R	0.0397	405.65085	151.90590	2.1365

Totals : 1.89866e4 3862.30053

Compound 21a

2022-03-10

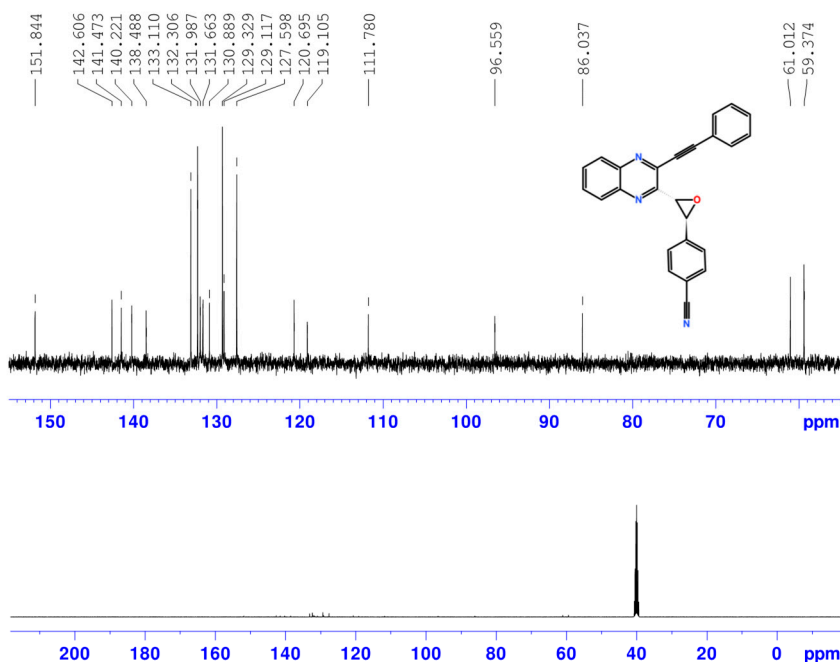


Current Data Parameters
 NAME PEP48_1H
 EXPNO 30
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220310
 Time 17.41 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zg30)
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

2022-03-10



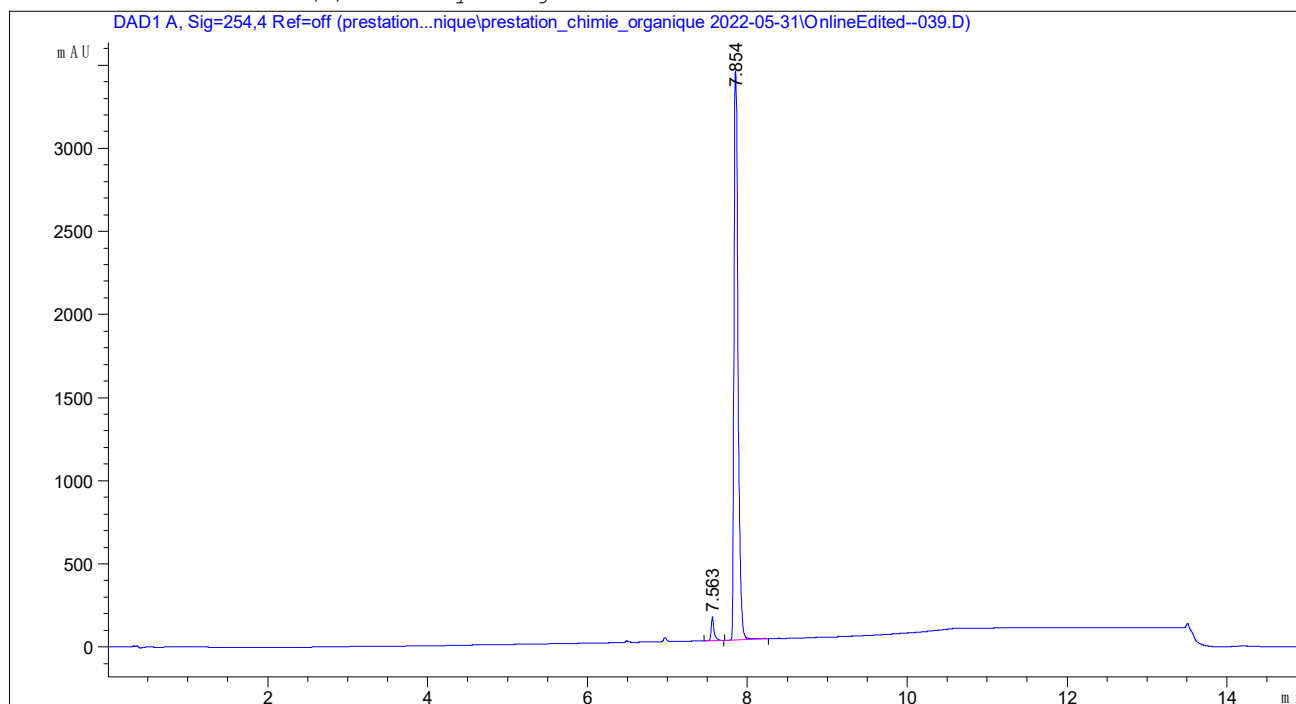
Current Data Parameters
 NAME PEP48_13C
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220311
 Time 1.14 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (zgpg30)
 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 2048
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz16
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--039.D
Sample Name: PEP48

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   39
Acq. Instrument : LC1290                     Location  :   P1-E2
Injection Date  : 31/5/2022 11:12:11 PM      Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info  : Peak(s) manually integrated
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

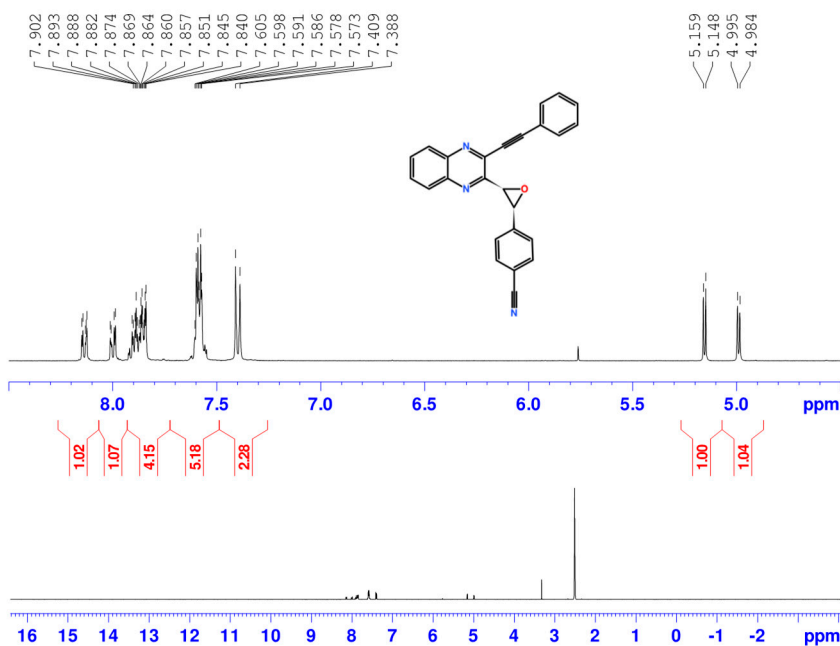
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.563	BB	0.0378	365.28397	143.02545	2.8536
2	7.854	BV R	0.0572	1.24355e4	3423.59668	97.1464

Totals : 1.28007e4 3566.62213

```
=====
*** End of Report ***
```

Compound 21b

2022-03-10

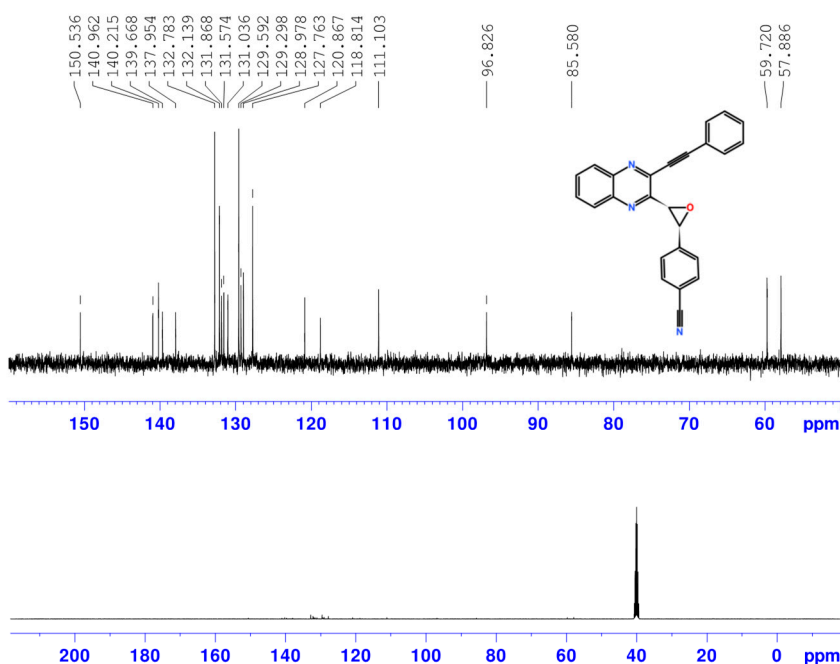


Current Data Parameters
NAME PEP49_1H
EXPNO 30
PROCNO 1

F2 - Acquisition Parameters
Date_ 20220310
Time 17.47 h
INSTRUM Avance NEO 400
PROBHD Z163739_0130 (zg30)
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8196.722 Hz
FIDRES 0.250144 Hz
AQ 3.9976959 sec
RG 101
DW 61.000 usec
DE 13.97 usec
TE 298.0 K
D1 1.00000000 sec
TD0 1
SFO1 400.1324708 MHz
NUC1 1H
P0 2.51 usec
P1 7.53 usec
PLW1 22.80999947 W

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

2022-03-10



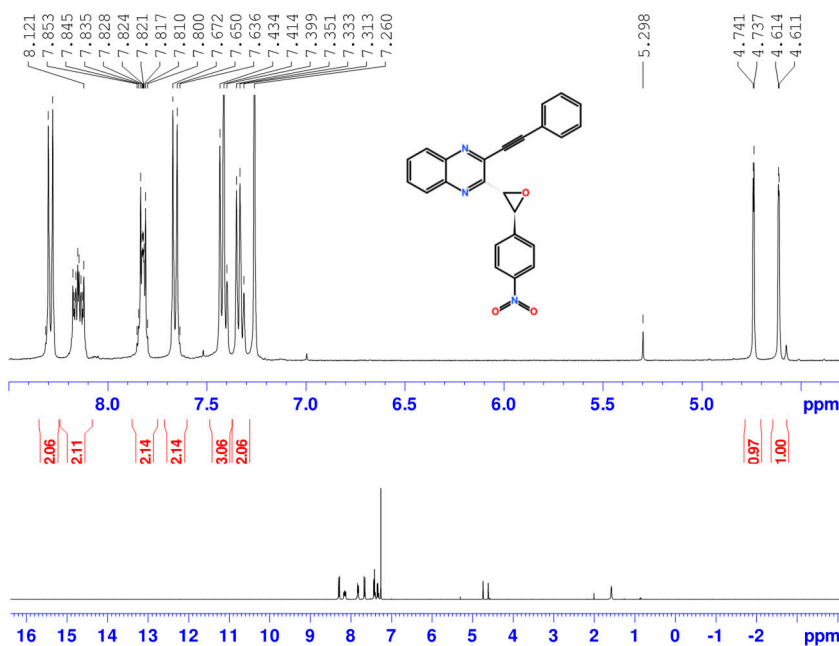
Current Data Parameters
NAME PEP49_13C
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20220311
Time 3.18 h
INSTRUM Avance NEO 400
PROBHD Z163739_0130 (zgpg30)
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 2048
DS 4
SWH 23809.523 Hz
FIDRES 0.726609 Hz
AQ 1.3762560 sec
RG 101
DW 21.000 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1
SFO1 100.6228298 MHz
NUC1 13C
P0 2.67 usec
P1 8.00 usec
PLW1 95.56300354 W
SFO2 400.1316005 MHz
NUC2 1H
CPOPRG2 waltz16
PCPD2 90.00 usec
PLW2 22.80999947 W
PLW12 0.15967000 W
PLW13 0.08031400 W

F2 - Processing parameters
SI 32768
SF 100.6127685 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Compound 22a

2022-03-07

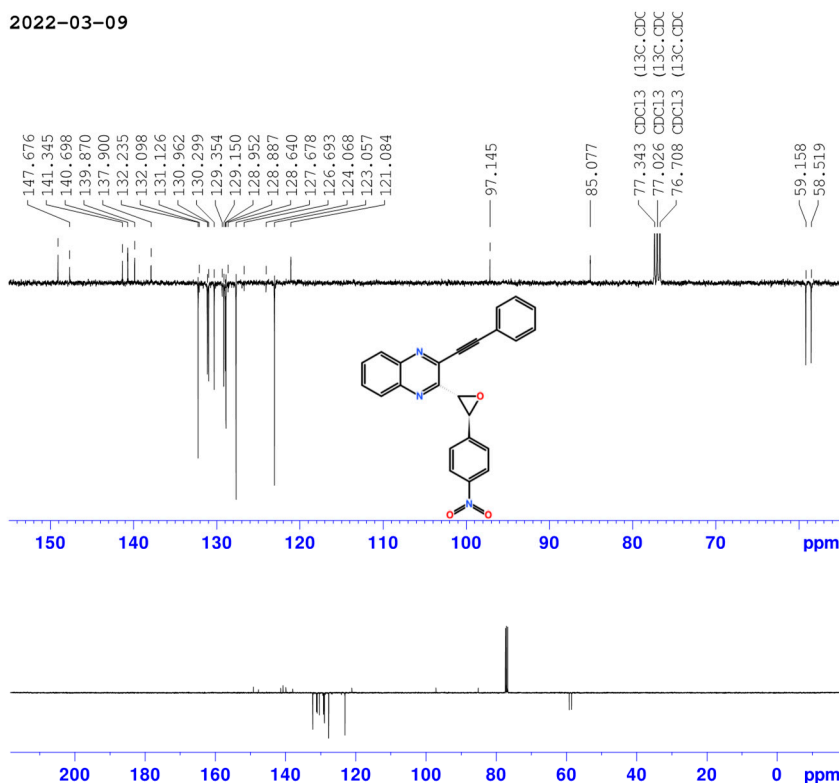


Current Data Parameters
NAME PEP44_1H
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20220307
Time 20.08 h
INSTRUM Avance NEO 400
PROBHD Z163739_0130 (zg30)
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8196.722 Hz
FIDRES 0.250144 Hz
AQ 3.9976959 sec
RG 101
DW 61.000 usec
DE 13.97 usec
TE 298.0 K
D1 1.00000000 sec
TD0 1
SFO1 400.1324708 MHz
NUC1 1H
P0 2.51 usec
P1 7.53 usec
PLW1 22.80999947 W

F2 - Processing Parameters
SI 65536
SF 400.1300104 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

2022-03-09



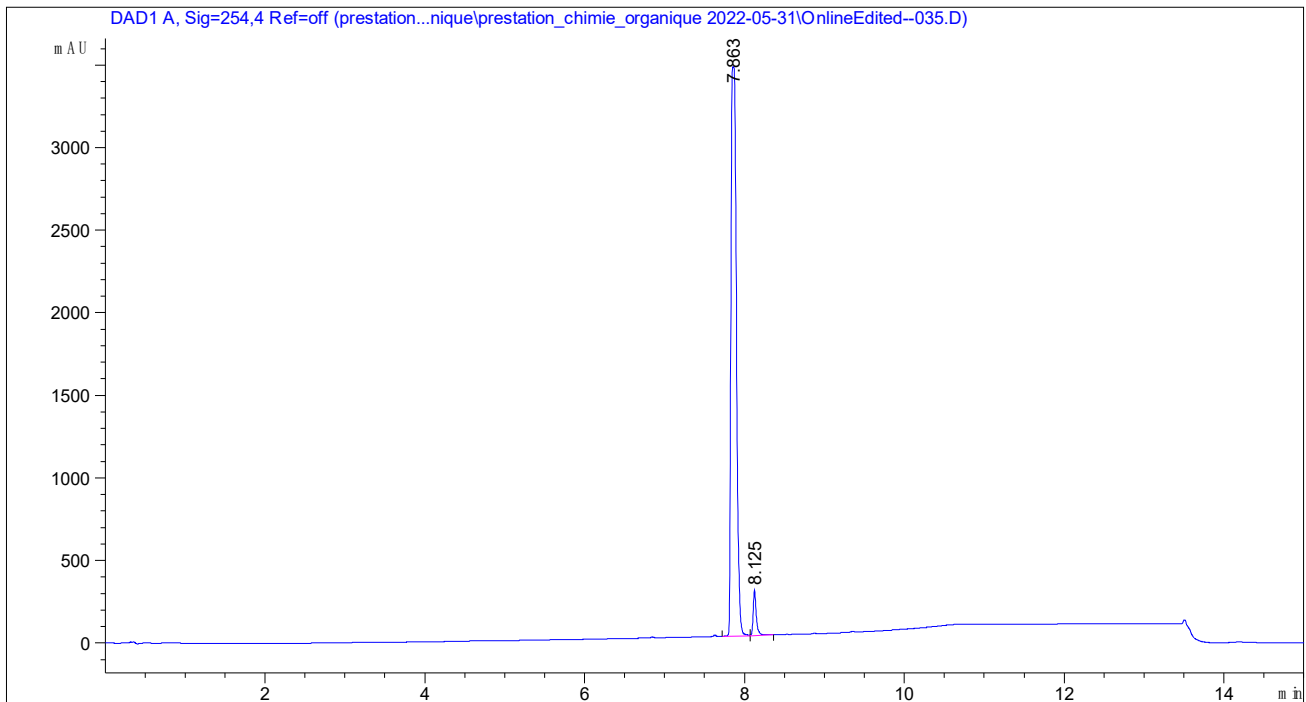
Current Data Parameters
NAME PEP44_13C
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20220309
Time 23.22 h
INSTRUM Avance NEO 400
PROBHD Z163739_0130 (zgpg30)
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 3048
DS 4
SWH 23809.323 Hz
FIDRES 0.726609 Hz
AQ 1.3762560 sec
RG 101
DW 21.000 usec
DE 6.50 usec
TE 298.0 K
CNST2 145.0000000
CNST11 1.0000000
D1 2.00000000 sec
D20 0.00689653 sec
TD0 1
SFO1 100.6282298 MHz
NUC1 13C
P1 8.00 usec
P2 16.00 usec
PLW1 95.56300354 W
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG2 waltz16
PCPD2 90.00 usec
PLW2 22.80999947 W
PLW12 0.15967000 W

F2 - Processing Parameters
SI 32768
SF 100.6127685 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--035.D
Sample Name: PEP44

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   35
Acq. Instrument : LC1290                     Location  :   P1-D7
Injection Date  : 31/5/2022 10:09:07 PM      Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

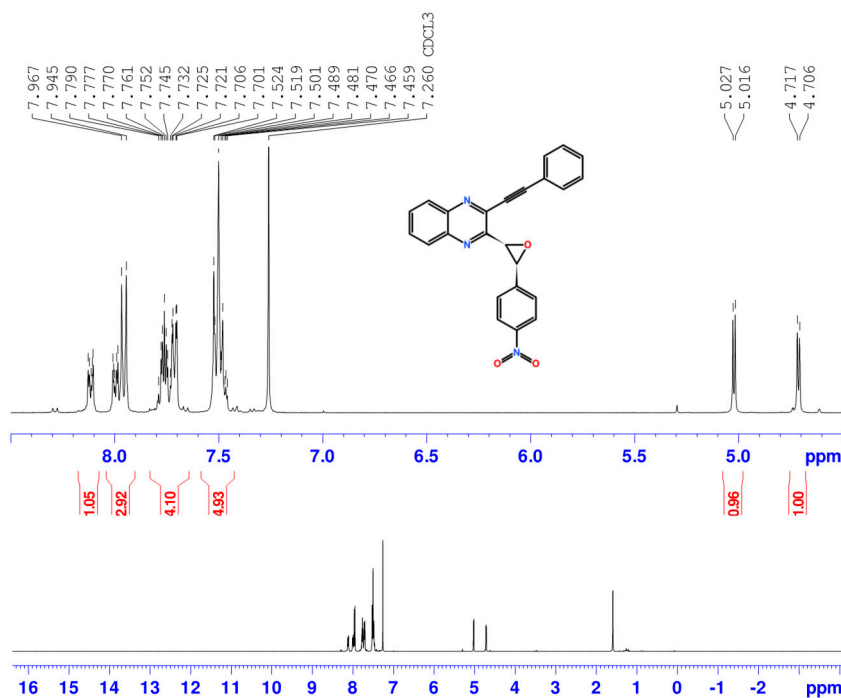
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.863	BV	0.0745	1.61083e4	3445.96948	95.7239
2	8.125	VV R	0.0385	719.57733	275.56274	4.2761

Totals : 1.68279e4 3721.53223

```
=====
*** End of Report ***
```

Compound 22b

PEP45 1H CDC13 8.12.2020

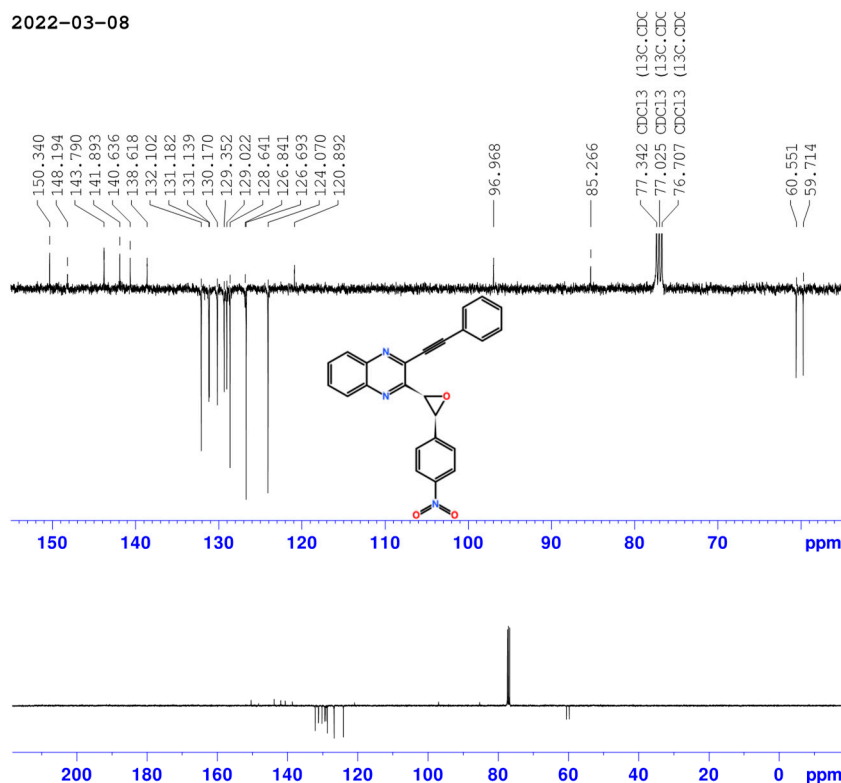


Current Data Parameters
 NAME PEP45_1H
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20201208
 Time 16.24 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zg30
 TD 65536
 SOLVENT CDCl₃
 NS 6
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing Parameters
 SI 65536
 SF 400.1300104 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

2022-03-08



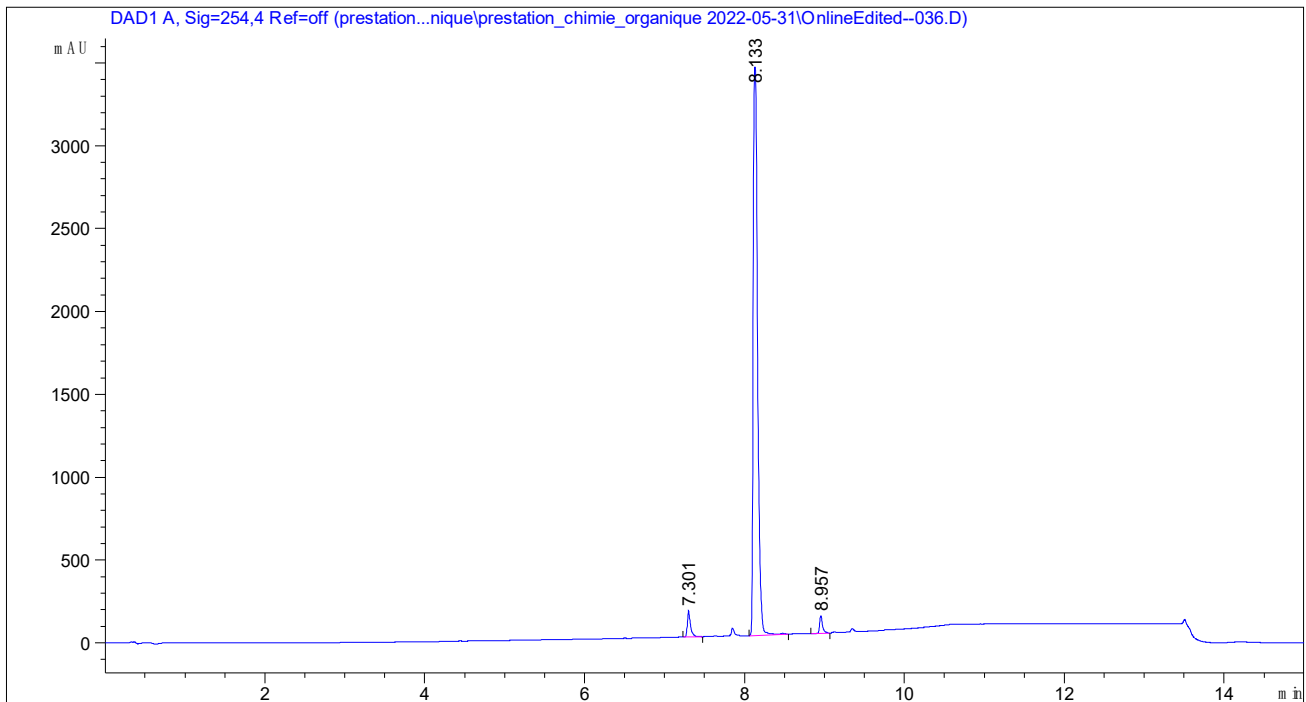
Current Data Parameters
 NAME PEP45_13
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220309
 Time 4.43 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl₃
 NS 3048
 DS 4
 SWH 23809.323 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 CNST1 145.000000
 CNST11 1.000000
 D1 2.00000000 sec
 D20 0.00689653 sec
 TD0 1
 SFO1 100.628298 MHz
 NUC1 13C
 P1 8.00 usec
 P2 16.00 usec
 PLW1 95.56303354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPDPRG2 waltz16
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...\rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--036.D
Sample Name: PEP45

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   36
Acq. Instrument : LC1290                     Location  :   P1-D8
Injection Date  : 31/5/2022 10:24:53 PM      Inj       :    1
                                           Inj Volume: 1.000 µl
Method         : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier           :      1.0000
Dilution             :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

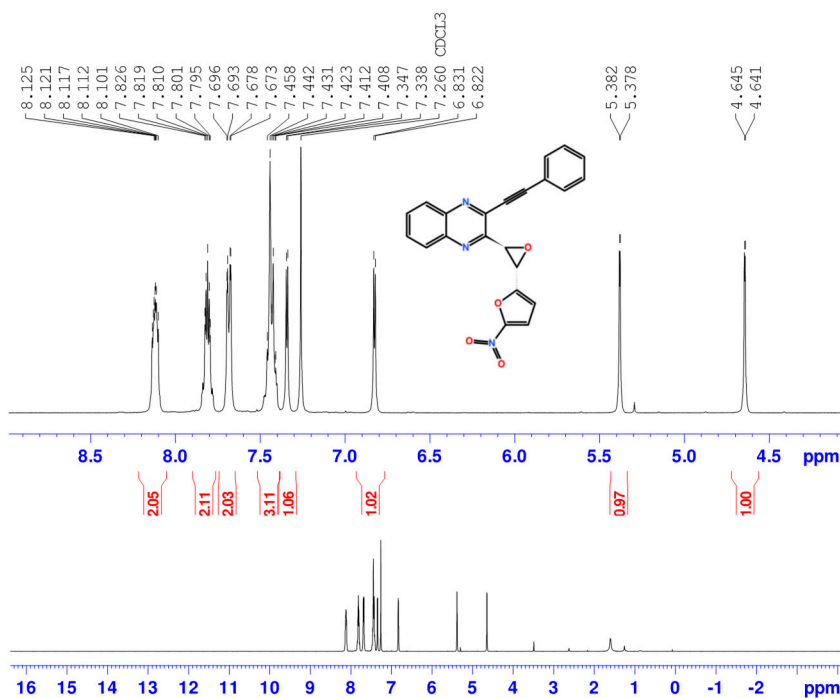
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.301	BV R	0.0410	451.15408	159.28886	3.2742
2	8.133	BV R	0.0594	1.30718e4	3431.33911	94.8666
3	8.957	BB	0.0364	256.19012	105.13464	1.8593

Totals : 1.37791e4 3695.76262

```
=====
*** End of Report ***
```

Compound 23a

2022-06-03

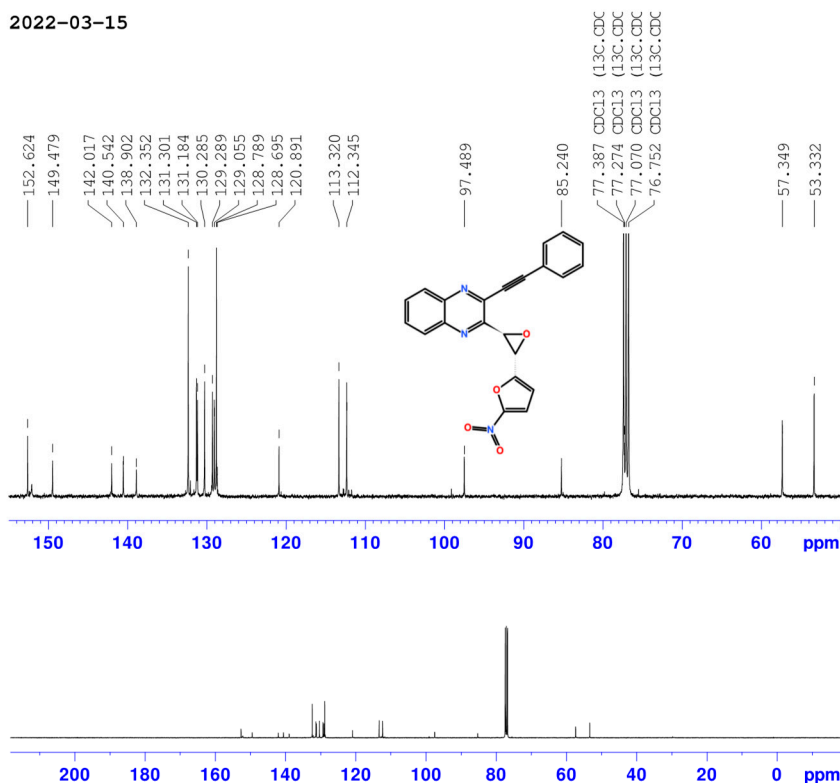


Current Data Parameters
 NAME PEP42_1H
 EXPNO 93
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220603
 Time 10.23 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing parameters
 SI 65536
 SF 400.1300108 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

2022-03-15



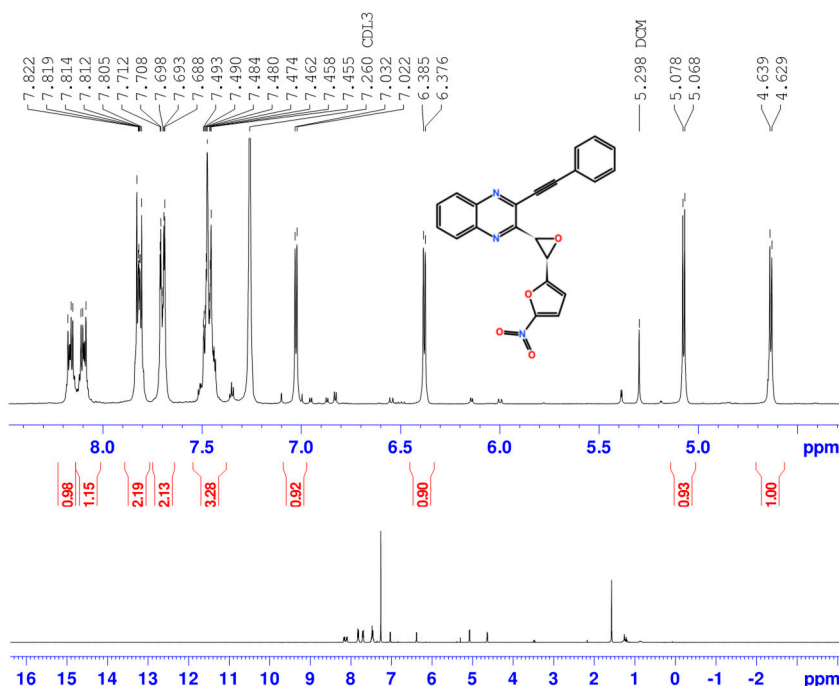
Current Data Parameters
 NAME PEP42_13C
 EXPNO 30
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20220315
 Time 21.40 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 2048
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W

F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Compound 23

2022-03-06

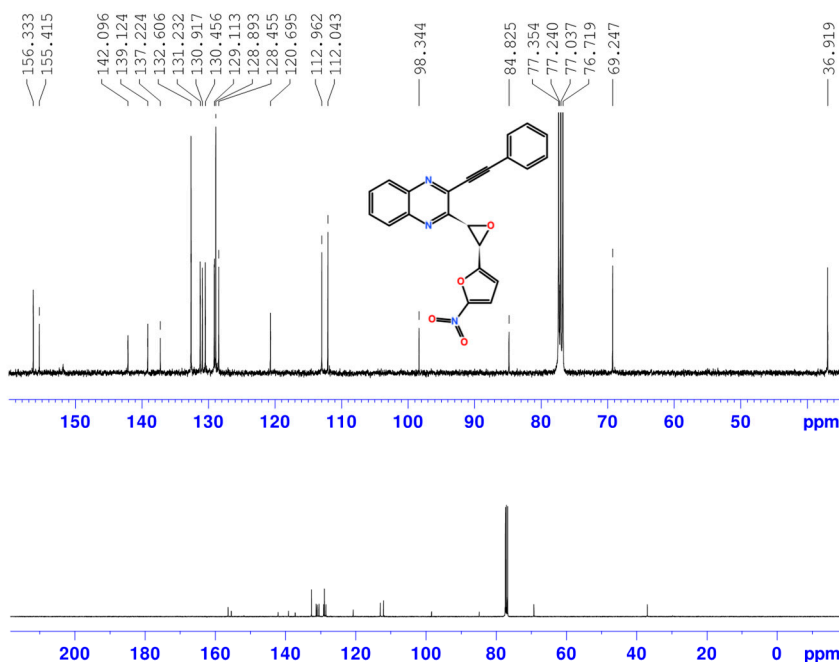


Current Data Parameters
NAME PEP43_1H
EXPNO 30
PROCNO 1

F2 - Acquisition Parameters
Date_ 20220603
Time 16.23 h
INSTRUM Avance NEO 400
PROBHD Z163739_0130 (zg30)
PULPROG zg30
TD 65536
SOLVENT CDCl₃
NS 128
DS 2
SWH 8196.722 Hz
FIDRES 0.250144 Hz
AQ 3.9976959 sec
RG 101
DW 61.000 usec
DE 13.97 usec
TE 298.0 K
D1 1.00000000 sec
TD0 1
SFO1 400.1324708 MHz
NUC1 1H
P0 2.51 usec
P1 7.53 usec
PLW1 22.80999947 W

F2 - Processing parameters
SI 65536
SF 400.1300107 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

2022-02-08



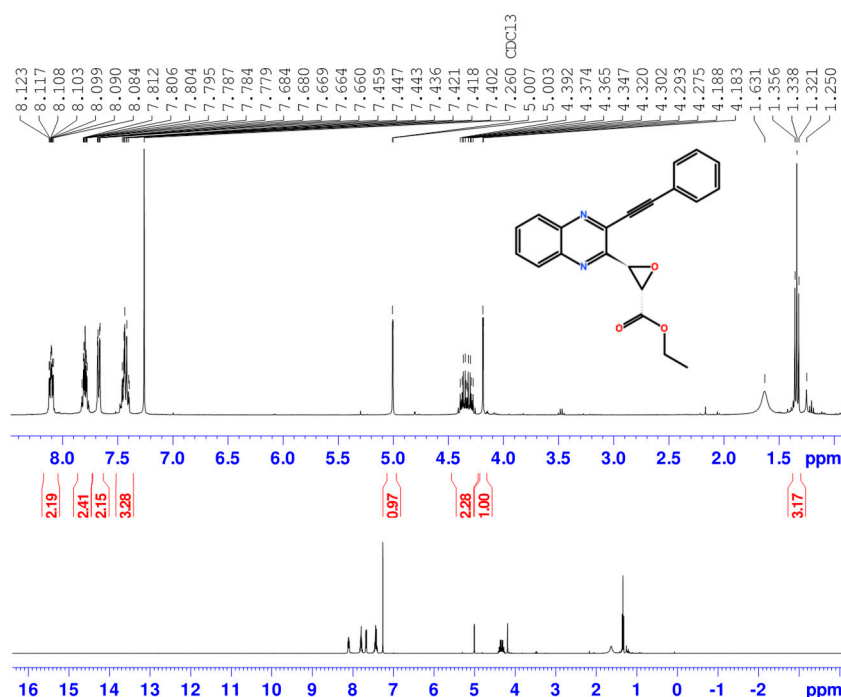
Current Data Parameters
NAME PEP43_13C
EXPNO 12
PROCNO 1

F2 - Acquisition Parameters
Date_ 20220208
Time 1.44 h
INSTRUM Avance NEO 400
PROBHD Z163739_0130 (zgpg30)
PULPROG zgpg30
TD 65536
SOLVENT CDCl₃
NS 2048
DS 4
SWH 23809.523 Hz
FIDRES 0.726609 Hz
AQ 1.3762560 sec
RG 101
DW 21.000 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1
SFO1 100.6228298 MHz
NUC1 13C
P0 2.67 usec
P1 8.00 usec
PLW1 95.56300354 W
SFO2 400.1316005 MHz
NUC2 1H
CPOPRG(2) waltz65
PCPD2 90.00 usec
PLW2 22.80999947 W
PLW12 0.15967000 W
PLW13 0.08031400 W

F2 - Processing parameters
SI 32768
SF 100.6127685 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

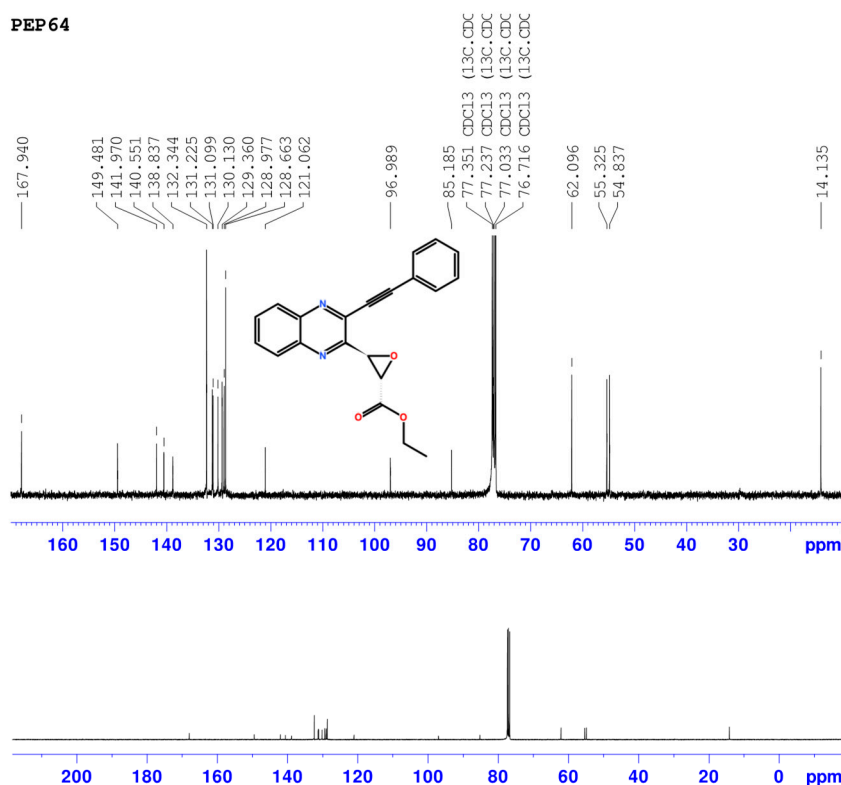
Compound 24a

PEP64 HCOOEt



Current Data Parameters
 NAME PEP64_1H
 EXPNO 10
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20200625
 Time 16.20 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 101
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W
 F2 - Processing parameters
 SI 65536
 SF 400.1300105 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

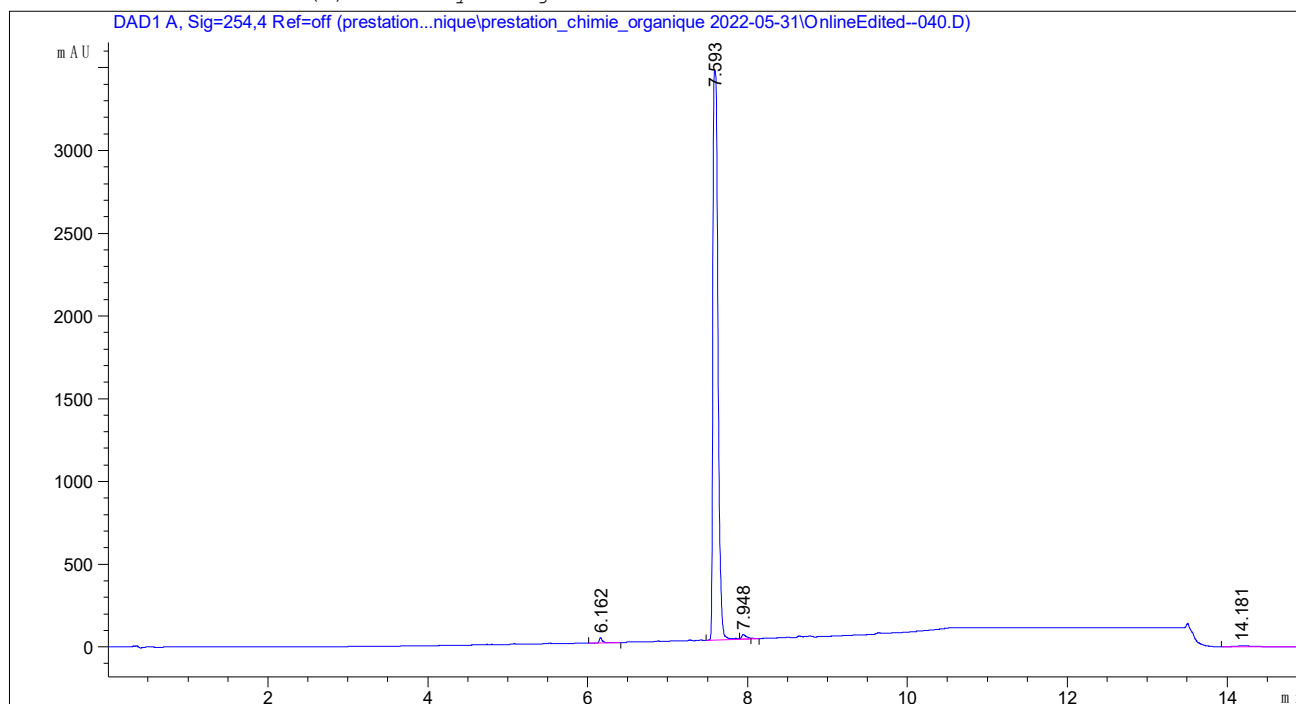
PEP64



Current Data Parameters
 NAME PEP64_13C
 EXPNO 12
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20200627
 Time 21.55 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 ()
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 2048
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLW2 22.80999947 W
 PLW12 0.15967000 W
 PLW13 0.08031400 W
 F2 - Processing parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--040.D
Sample Name: PEP64

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   40
Acq. Instrument : LC1290                     Location  :   P1-E3
Injection Date  : 31/5/2022 11:27:59 PM      Inj       :    1
                                           Inj Volume: 1.000 µl
Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info  : Peak(s) manually integrated
=====
```



=====
Area Percent Report
=====

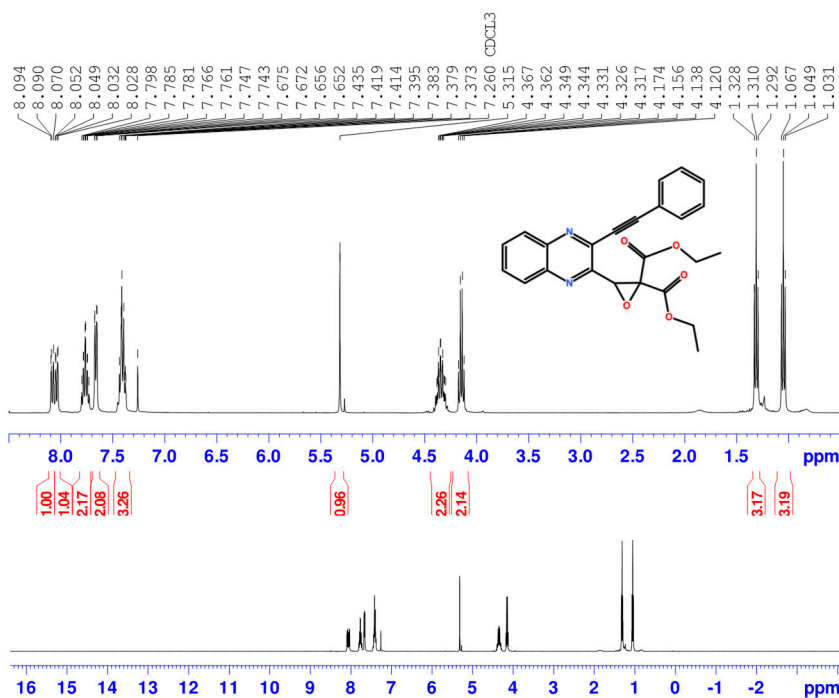
```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.162	BV R	0.0395	91.22353	31.71634	0.5877
2	7.593	BV R	0.0704	1.51796e4	3439.07544	97.7983
3	7.948	VV E	0.0582	120.64300	29.18264	0.7773
4	14.181	BBA	0.3004	129.86763	6.10058	0.8367

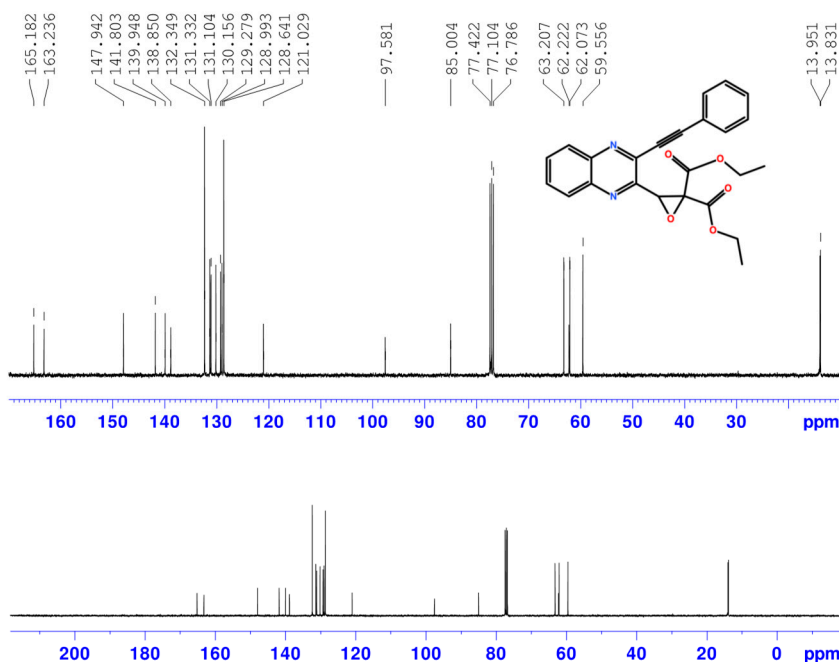
Totals : 1.55214e4 3506.07499

Compound 25

PEP33- (CO₂Et) 2

Current Data Parameters
 NAME PEP33_1H
 EXPNO 10
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20200619
 Time 12.25 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8196.722 Hz
 FIDRES 0.250144 Hz
 AQ 3.9976959 sec
 RG 45.2033
 DW 61.000 usec
 DE 13.97 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1
 SFO1 400.1324708 MHz
 NUC1 1H
 P0 2.51 usec
 P1 7.53 usec
 PLW1 22.80999947 W

F2 - Processing Parameters
 SI 65536
 SF 400.1300107 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

PEP33- (CO₂Et) 2

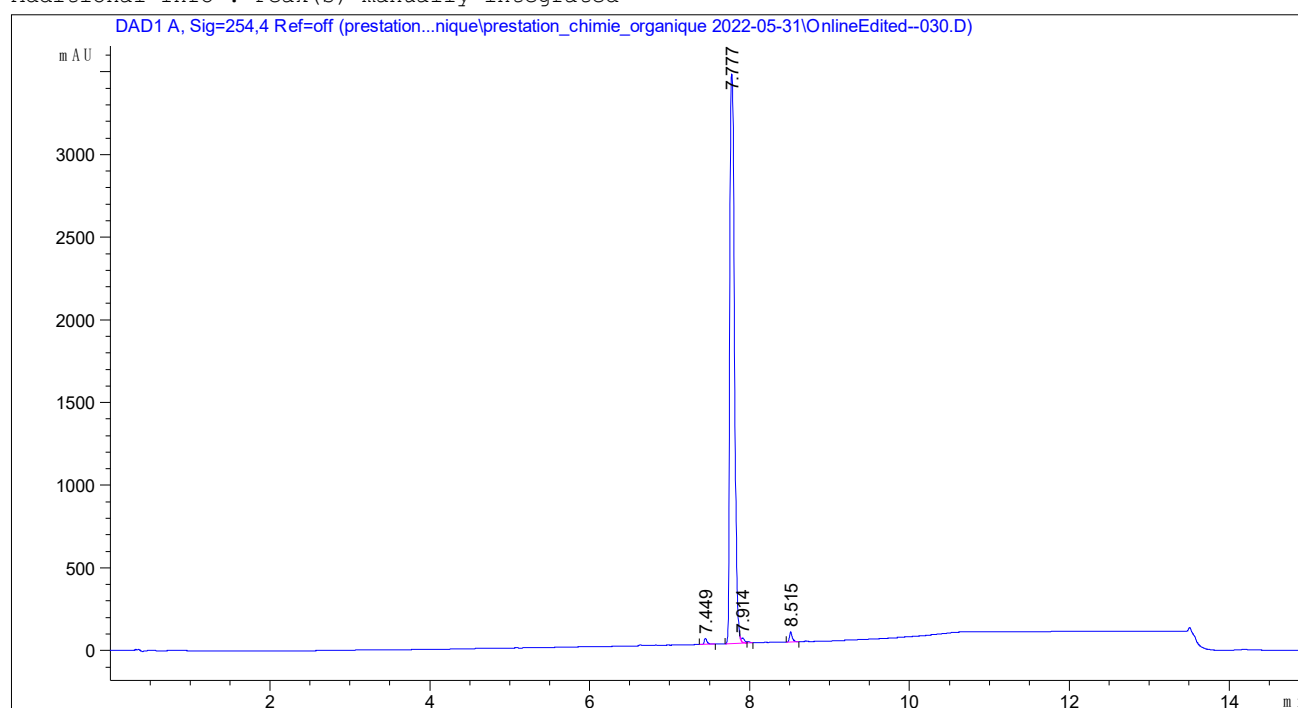
Current Data Parameters
 NAME PEP33_13C
 EXPNO 11
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20200622
 Time 10.15 h
 INSTRUM Avance NEO 400
 PROBHD Z163739_0130 (
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 128
 DS 4
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 1.3762560 sec
 RG 101
 DW 21.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1
 SFO1 100.6228298 MHz
 NUC1 13C
 P0 2.67 usec
 P1 8.00 usec
 PLW1 95.56300354 W
 SFO2 400.1316005 MHz
 NUC2 1H
 CPGPRG2 waltz65
 PCPD2 90.00 usec
 PLM2 22.80999947 W
 PLW2 0.15967000 W
 PLW3 0.08031400 W

F2 - Processing Parameters
 SI 32768
 SF 100.6127685 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Data File C:\Chem32\...\rganique\prestation_chimie_organique 2022-05-31\OnlineEdited--030.D
 Sample Name: PEP33

```
=====
Acq. Operator   : SYSTEM                      Seq. Line :   30
Acq. Instrument : LC1290                     Location  :   P1-D2
Injection Date  : 31/5/2022 8:50:15 PM        Inj       :    1
                                           Inj Volume: 1.000 µl

Method          : C:\Chem32\1\Data\prestation_chimie_organique\prestation_chimie_organique
                  2022-05-31\prestation_chimie_org.M (Sequence Method)
Last changed    : 31/5/2022 1:07:56 PM by SYSTEM
Additional Info : Peak(s) manually integrated
```



=====
 Area Percent Report
 =====

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=254.4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.449	BV R	0.0375	91.06236	36.00343	0.6481
2	7.777	BV R	0.0625	1.37244e4	3442.15552	97.6824
3	7.914	VV E	0.0399	75.30146	27.51309	0.5360
4	8.515	BB	0.0384	159.26624	63.13708	1.1336

Totals : 1.40500e4 3568.80912