

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080923AL\
 Data File : FD046313.D
 Signal(s) : FID2B.ch
 Acq On : 09 Aug 2023 13:42
 Operator : YP/AJ
 Sample : 03572-01
 Misc : LOD 4 PPM
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

Integration File: autoint1.e
 Quant Time: Aug 09 23:59:43 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 14:31:50 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.830	6573599	54.632 ug/ml
Spiked Amount 50.000		Recovery =	109.26%
Target Compounds			
1) T n-Nonane (C9)	3.225	501296	3.180 ug/ml
2) T n-Decane (C10)	4.278	488874	3.044 ug/ml
4) T n-Dodecane (C12)	6.279	506515	3.134 ug/ml
6) T n-Tetradecane (C14)	8.063	513438	3.227 ug/ml
7) T n-Hexadecane (C16)	9.654	523451	3.217 ug/ml
8) T n-Octadecane (C18)	11.086	557493	3.456 ug/ml
10) T n-Eicosane (C20)	12.386	551433	3.694 ug/ml
11) T n-Heneicosane (C21)	12.994	559543	3.876 ug/ml
13) T n-Docosane (C22)	13.575	556049	3.980 ug/ml
14) T n-Tetracosane (C24)	14.670	570750	4.145 ug/ml
15) T n-Hexacosane (C26)	15.685	574798	4.496 ug/ml
16) T n-Octacosane (C28)	16.626	575751	4.728 ug/ml
17) T n-Tricontane (C30)	17.506	575781	4.652 ug/ml
18) T n-Dotriacontane (C32)	18.332	564788	4.625 ug/ml
19) T n-Tetratriacontane (C34)	19.109	525674	4.109 ug/ml
20) T n-Hexatriacontane (C36)	19.843	475122	4.149 ug/ml
21) T n-Octatriacontane (C38)	20.543	432483	3.841 ug/ml
22) T n-Tetracontane (C40)	21.359	406094	3.786 ug/ml

(f)=RT Delta > 1/2 Window

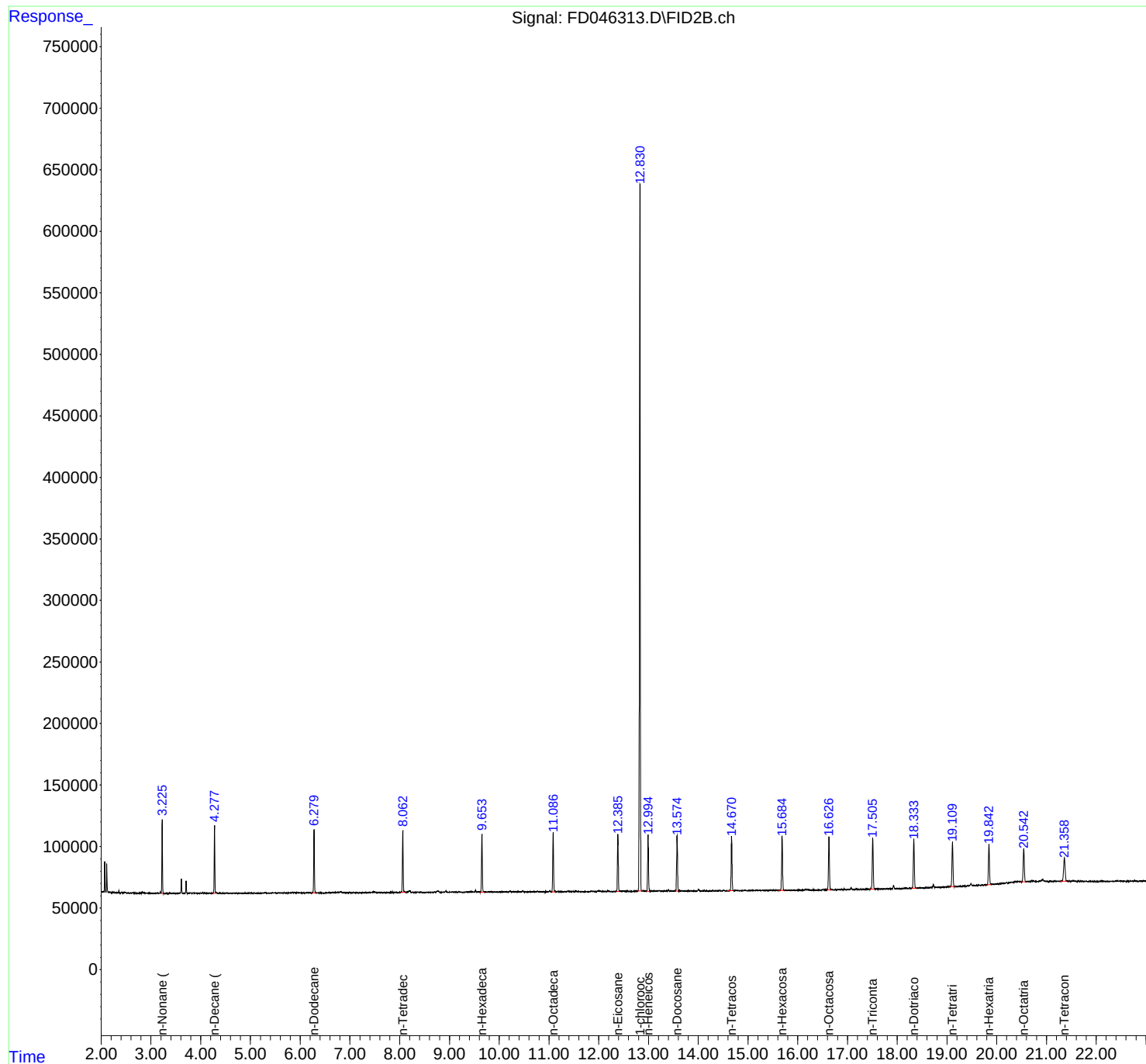
(m)=manual int.

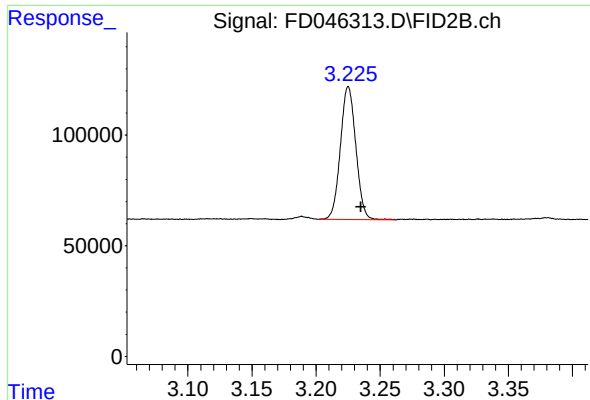
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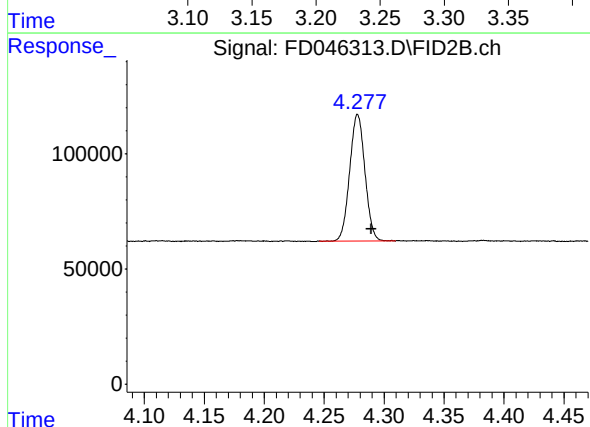




#1 n-Nonane (C9)

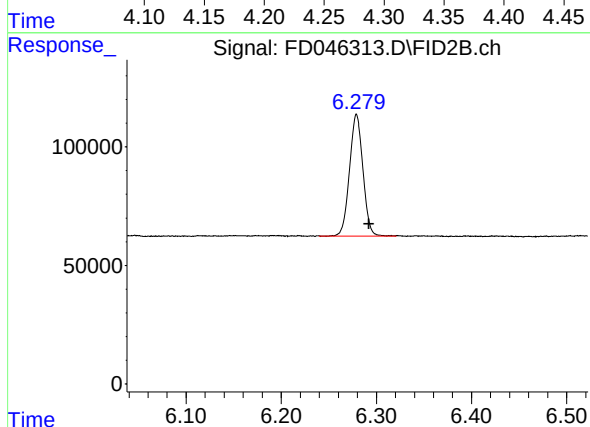
R.T.: 3.225 min
Delta R.T.: -0.010 min
Response: 501296
Conc: 3.18 ug/ml

Instrument :
FID_D
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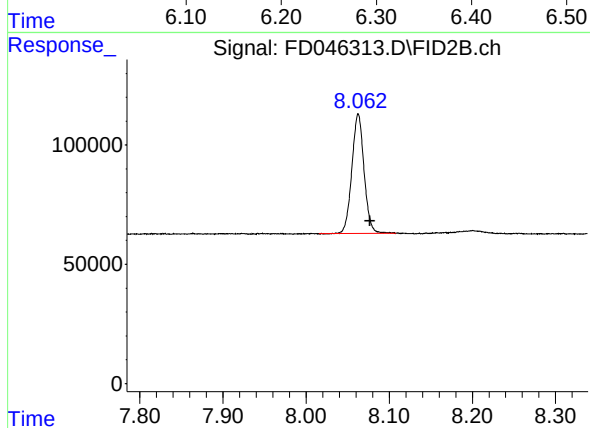
#2 n-Decane (C10)

R.T.: 4.278 min
Delta R.T.: -0.011 min
Response: 488874
Conc: 3.04 ug/ml



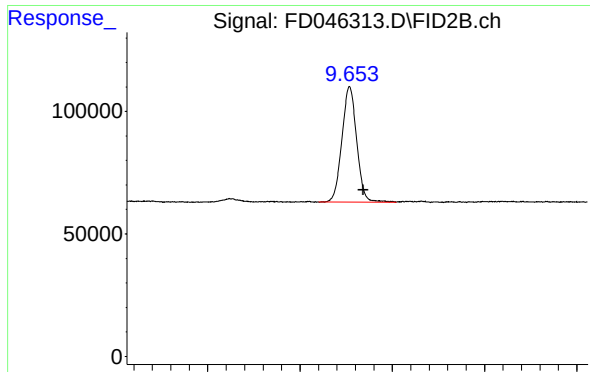
#4 n-Dodecane (C12)

R.T.: 6.279 min
Delta R.T.: -0.013 min
Response: 506515
Conc: 3.13 ug/ml



#6 n-Tetradecane (C14)

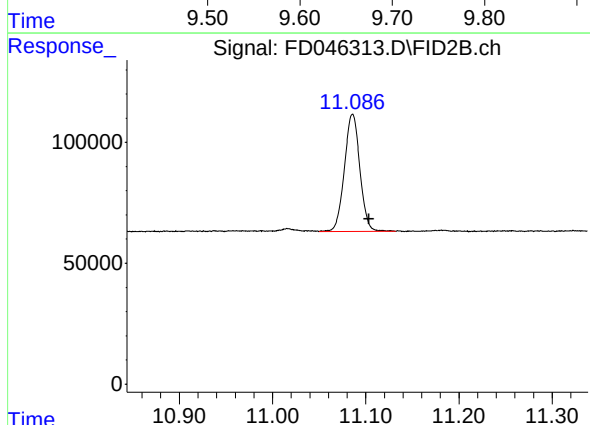
R.T.: 8.063 min
Delta R.T.: -0.014 min
Response: 513438
Conc: 3.23 ug/ml



#7 n-Hexadecane (C16)

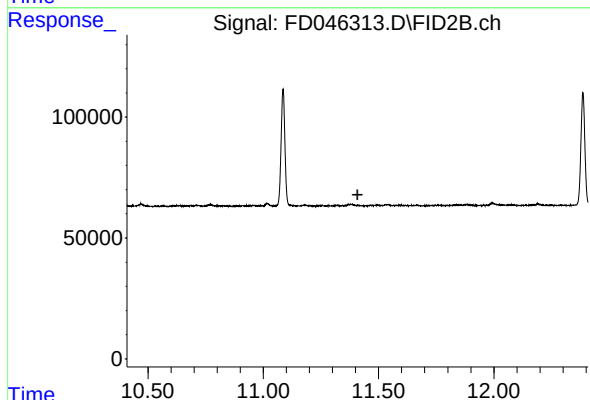
R.T.: 9.654 min
Delta R.T.: -0.015 min
Response: 523451
Conc: 3.22 ug/ml

Instrument :
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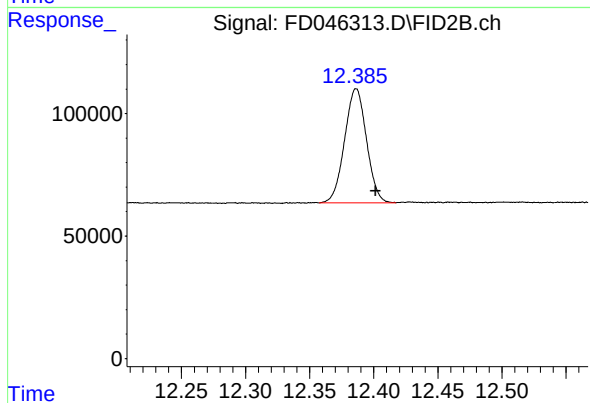
#8 n-Octadecane (C18)

R.T.: 11.086 min
Delta R.T.: -0.018 min
Response: 557493
Conc: 3.46 ug/ml



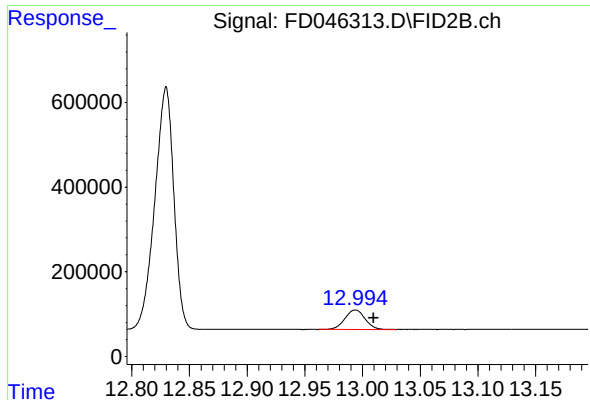
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.409 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

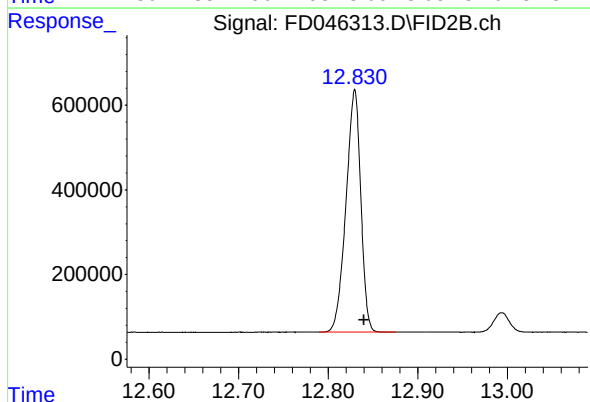
R.T.: 12.386 min
Delta R.T.: -0.015 min
Response: 551433
Conc: 3.69 ug/ml



#11 n-Heneicosane (C21)

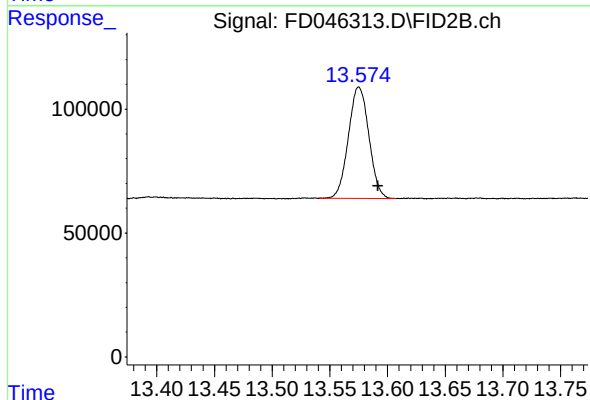
R.T.: 12.994 min
Delta R.T.: -0.016 min
Response: 559543
Conc: 3.88 ug/ml

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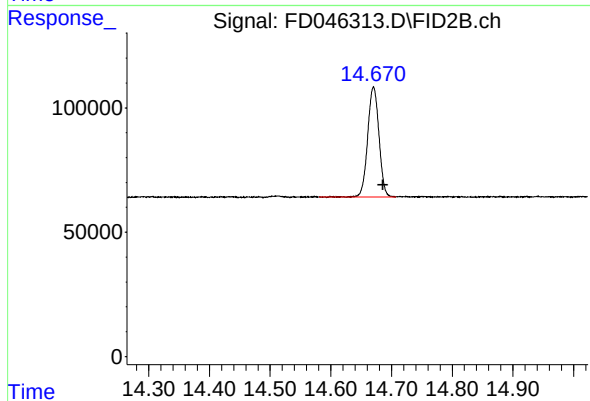
#12 1-chlorooctadecane (SURR)

R.T.: 12.830 min
Delta R.T.: -0.010 min
Response: 6573599
Conc: 54.63 ug/ml



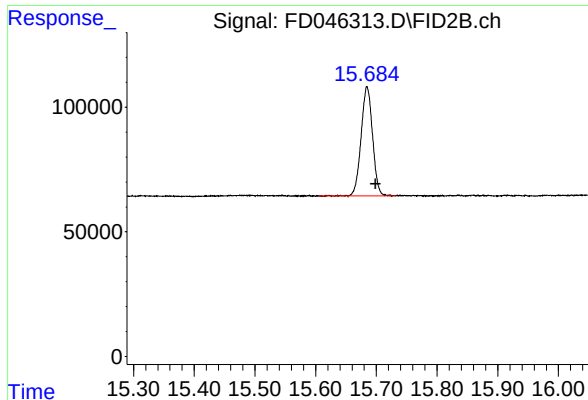
#13 n-Docosane (C22)

R.T.: 13.575 min
Delta R.T.: -0.017 min
Response: 556049
Conc: 3.98 ug/ml



#14 n-Tetracosane (C24)

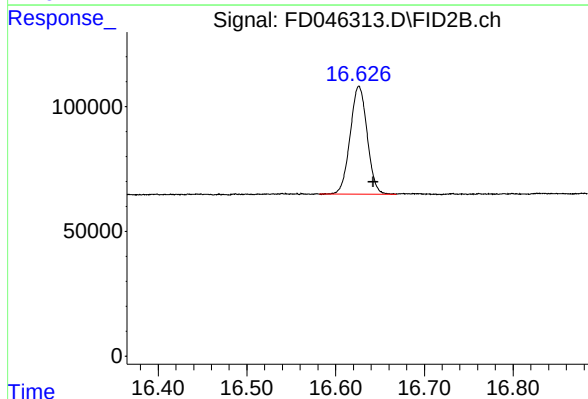
R.T.: 14.670 min
Delta R.T.: -0.015 min
Response: 570750
Conc: 4.14 ug/ml



#15 n-Hexacosane (C26)

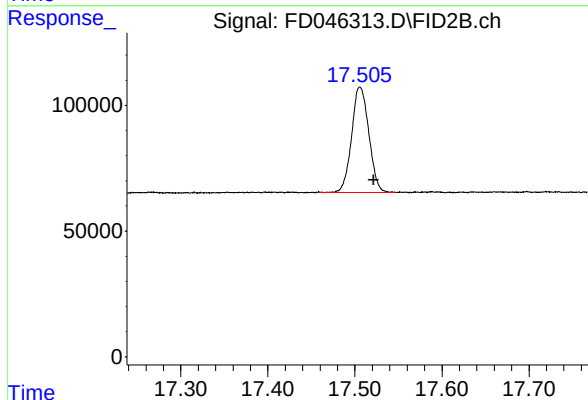
R.T.: 15.685 min
Delta R.T.: -0.014 min
Response: 574798
Conc: 4.50 ug/ml

Instrument :
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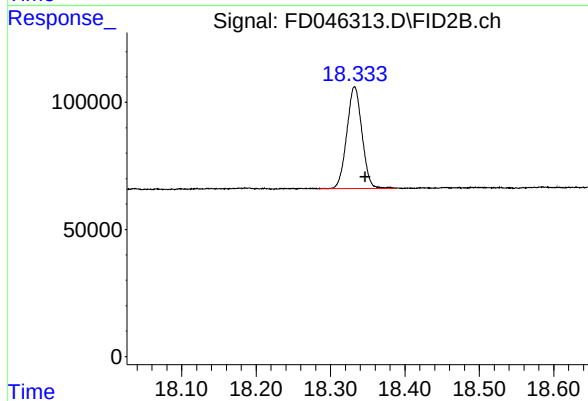
#16 n-Octacosane (C28)

R.T.: 16.626 min
Delta R.T.: -0.016 min
Response: 575751
Conc: 4.73 ug/ml



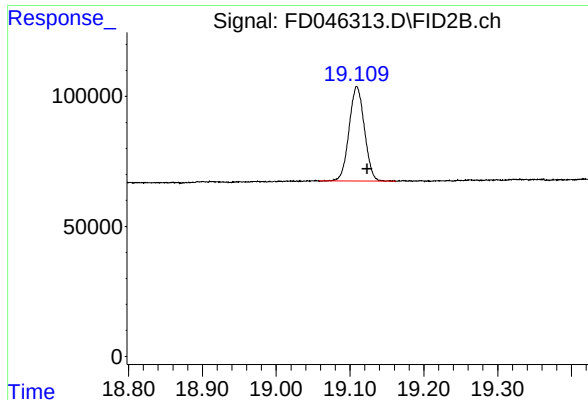
#17 n-Tricontane (C30)

R.T.: 17.506 min
Delta R.T.: -0.016 min
Response: 575781
Conc: 4.65 ug/ml



#18 n-Dotriacontane (C32)

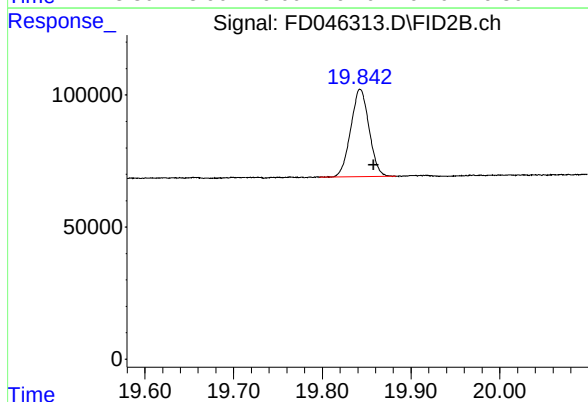
R.T.: 18.332 min
Delta R.T.: -0.014 min
Response: 564788
Conc: 4.63 ug/ml



#19 n-Tetratriacontane (C34)

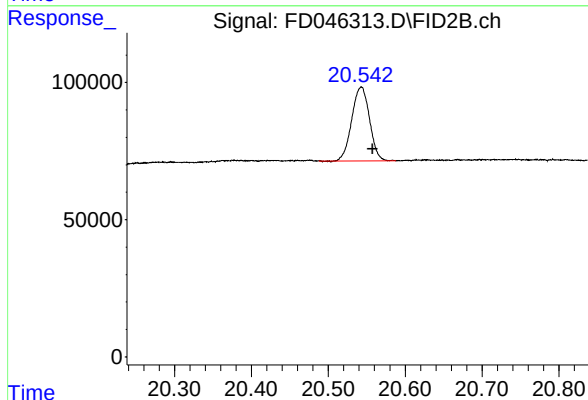
R.T.: 19.109 min
Delta R.T.: -0.014 min
Response: 525674
Conc: 4.11 ug/ml

Instrument :
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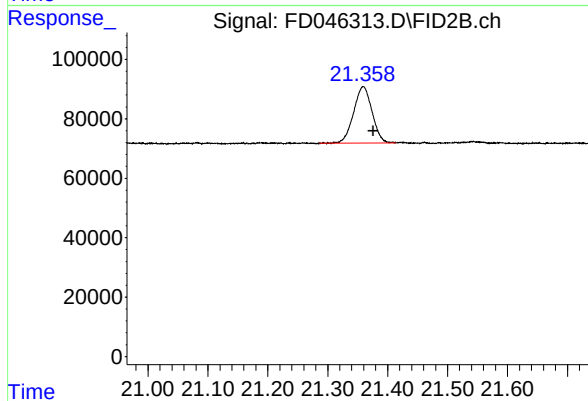
#20 n-Hexatriacontane (C36)

R.T.: 19.843 min
Delta R.T.: -0.015 min
Response: 475122
Conc: 4.15 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.543 min
Delta R.T.: -0.015 min
Response: 432483
Conc: 3.84 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.359 min
Delta R.T.: -0.017 min
Response: 406094
Conc: 3.79 ug/ml