

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100523AL\
 Data File : FC064744.D
 Signal(s) : FID1A.ch
 Acq On : 05 Oct 2023 12:53
 Operator : YP/AJ
 Sample : 04699-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Integration File: autoint1.e
 Quant Time: Oct 05 23:53:56 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 01:25:53 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...	12.953	5375969	36.908 ug/ml
Spiked Amount 50.000		Recovery =	73.82%
Target Compounds			
1) T n-Nonane (C9)	3.330	301466	1.706 ug/ml
2) T n-Decane (C10)	4.387	379999	2.115 ug/ml
4) T n-Dodecane (C12)	6.395	504435	2.777 ug/ml
6) T n-Tetradecane (C14)	8.182	494683	2.788 ug/ml
7) T n-Hexadecane (C16)	9.775	511957	2.848 ug/ml
8) T n-Octadecane (C18)	11.209	555956	3.071 ug/ml
10) T n-Eicosane (C20)	12.510	589351	3.460 ug/ml
11) T n-Heneicosane (C21)	13.119	569374	3.438 ug/ml
13) T n-Docosane (C22)	13.704	554323	3.403 ug/ml
14) T n-Tetracosane (C24)	14.801	556443	3.505 ug/ml
15) T n-Hexacosane (C26)	15.817	526605	3.450 ug/ml
16) T n-Octacosane (C28)	16.762	523263	3.536 ug/ml
17) T n-Tricontane (C30)	17.645	544601	3.666 ug/ml
18) T n-Dotriacontane (C32)	18.471	540944	3.707 ug/ml
19) T n-Tetratriacontane (C34)	19.252	512620	3.606 ug/ml
20) T n-Hexatriacontane (C36)	19.988	457237	3.320 ug/ml
21) T n-Octatriacontane (C38)	20.709	411986	3.006 ug/ml
22) T n-Tetracontane (C40)	21.590	370738	2.725 ug/ml

(f)=RT Delta > 1/2 Window

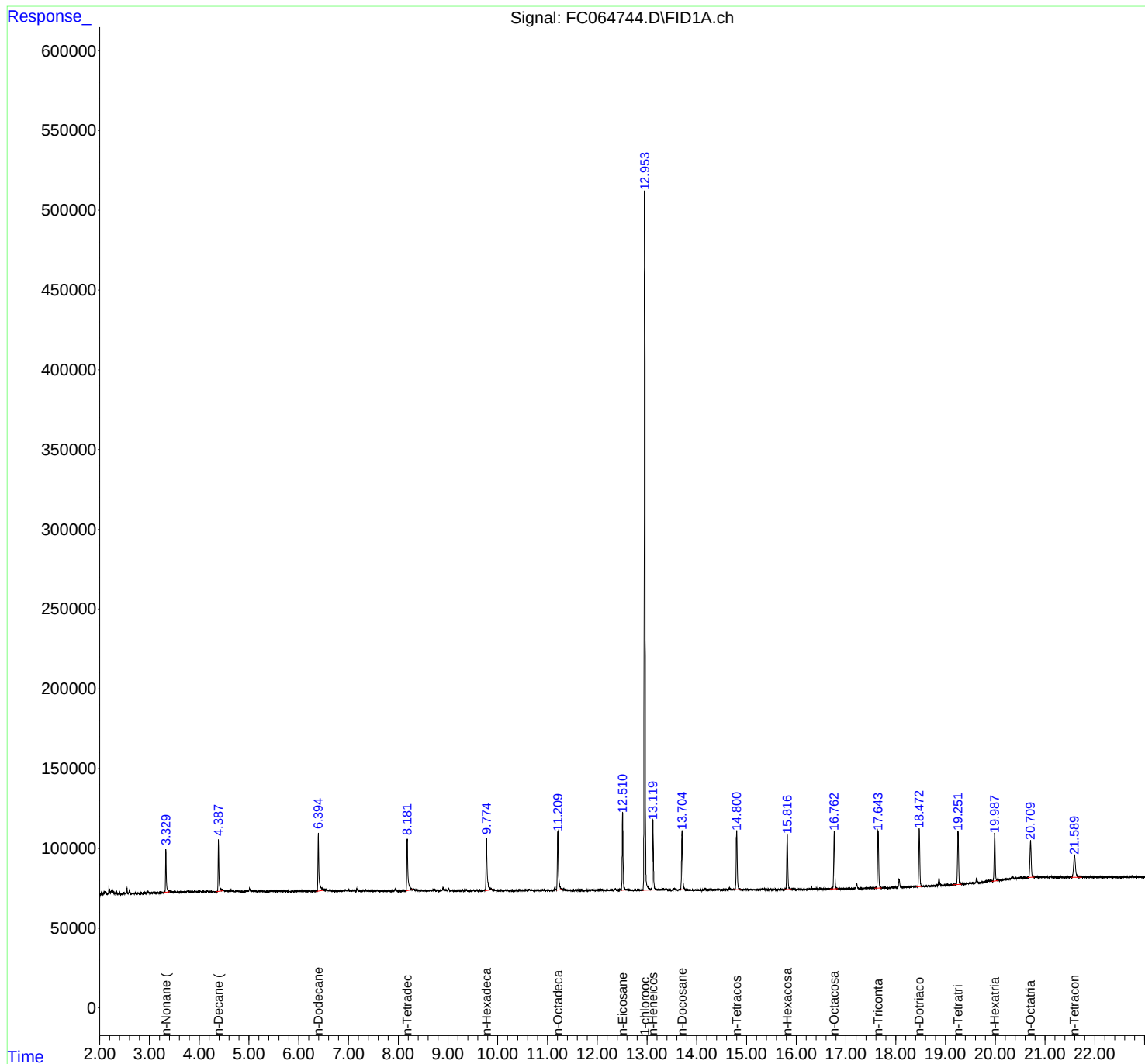
(m)=manual int.

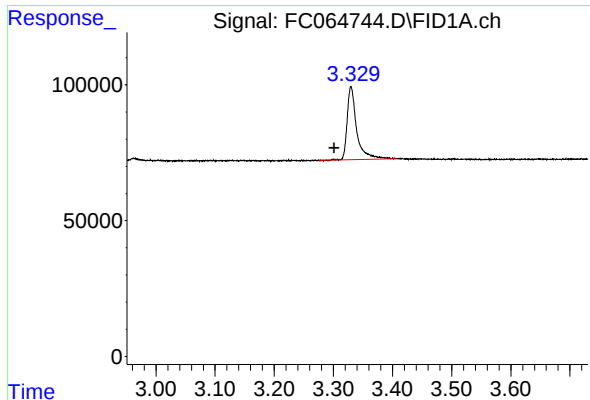
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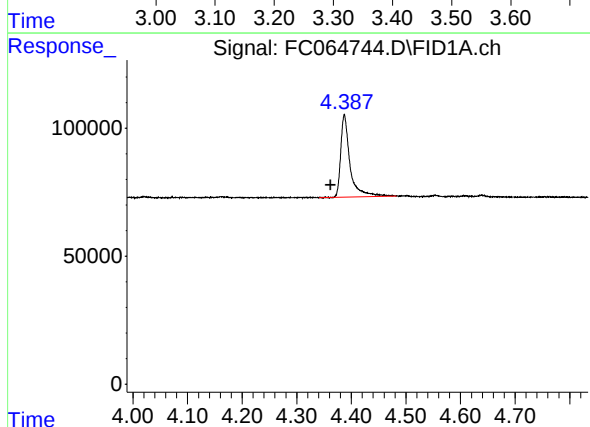




#1 n-Nonane (C9)

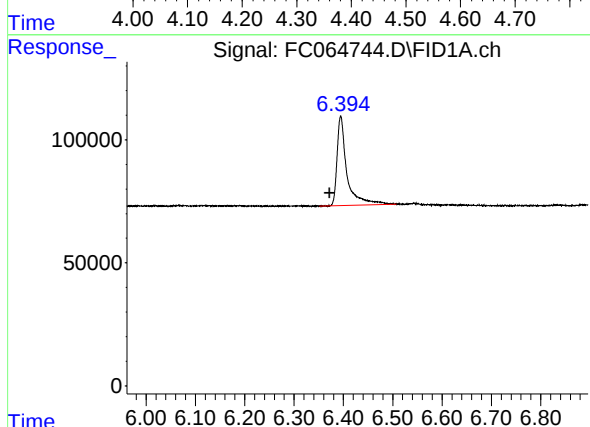
R.T.: 3.330 min
Delta R.T.: 0.028 min
Response: 301466
Conc: 1.71 ug/ml

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LOD-MDL-SOIL-01-QT4-2023



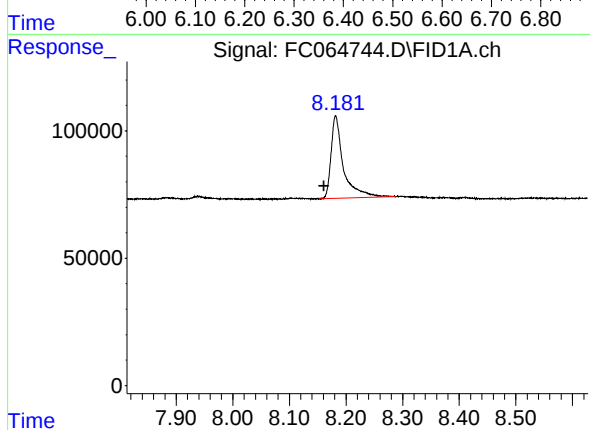
#2 n-Decane (C10)

R.T.: 4.387 min
Delta R.T.: 0.025 min
Response: 379999
Conc: 2.12 ug/ml



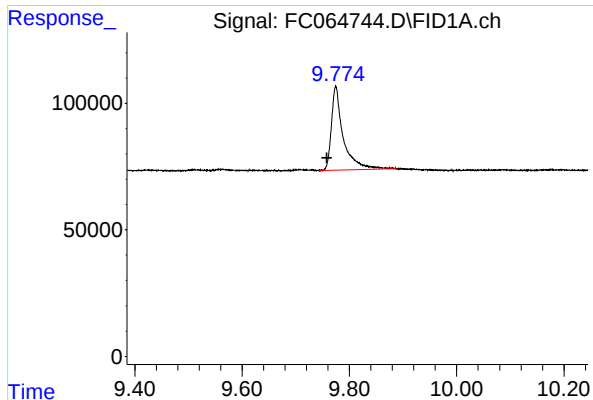
#4 n-Dodecane (C12)

R.T.: 6.395 min
Delta R.T.: 0.022 min
Response: 504435
Conc: 2.78 ug/ml



#6 n-Tetradecane (C14)

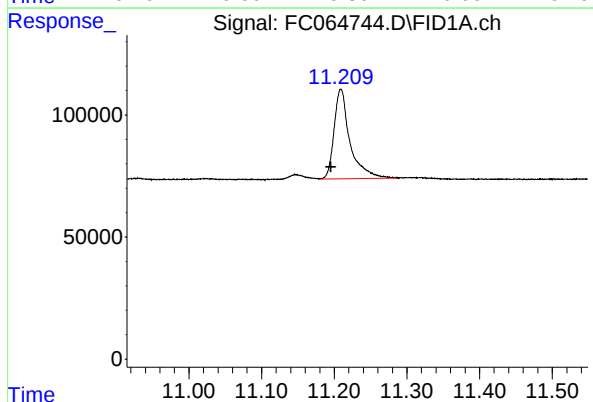
R.T.: 8.182 min
Delta R.T.: 0.021 min
Response: 494683
Conc: 2.79 ug/ml



#7 n-Hexadecane (C16)

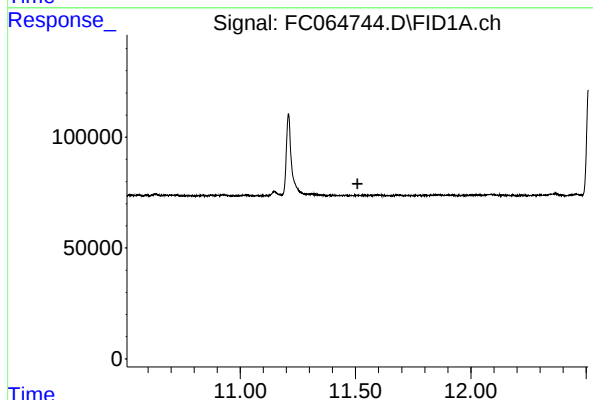
R.T.: 9.775 min
Delta R.T.: 0.016 min
Response: 511957
Conc: 2.85 ug/ml

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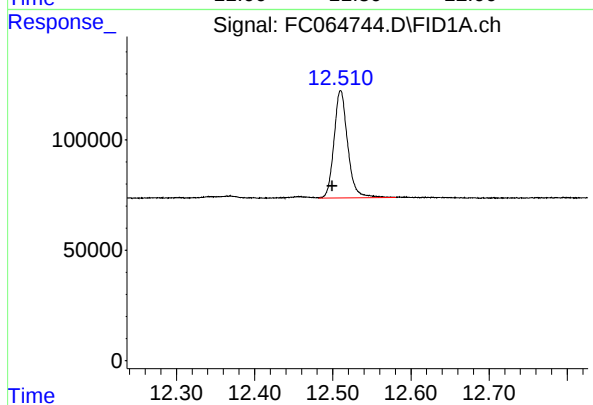
#8 n-Octadecane (C18)

R.T.: 11.209 min
Delta R.T.: 0.014 min
Response: 555956
Conc: 3.07 ug/ml



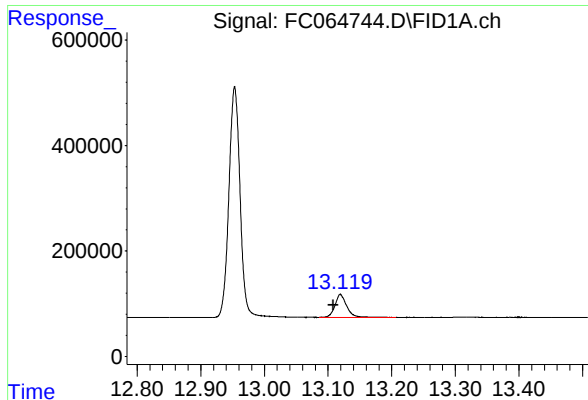
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.508 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

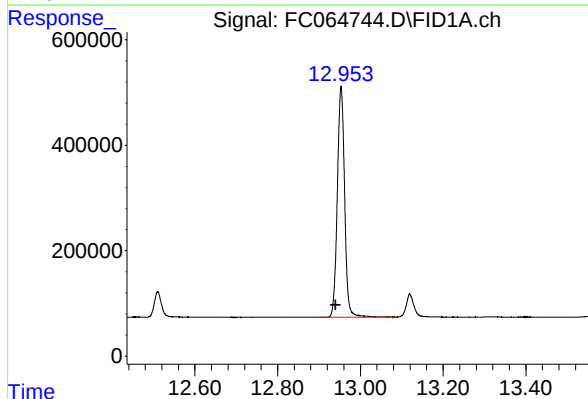
R.T.: 12.510 min
Delta R.T.: 0.011 min
Response: 589351
Conc: 3.46 ug/ml



#11 n-Heneicosane (C21)

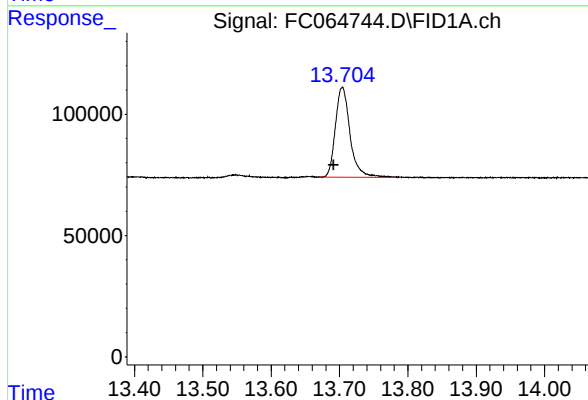
R.T.: 13.119 min
Delta R.T.: 0.011 min
Response: 569374
Conc: 3.44 ug/ml

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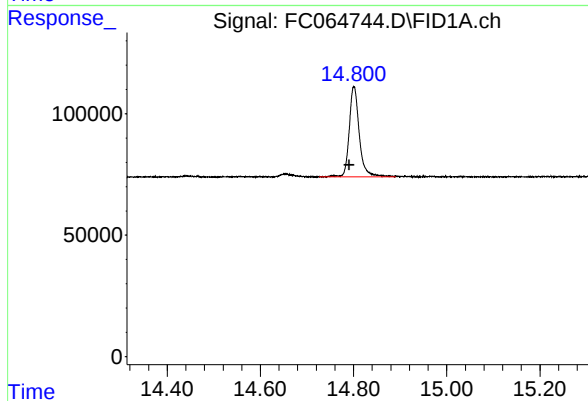
#12 1-chlorooctadecane (SURR)

R.T.: 12.953 min
Delta R.T.: 0.013 min
Response: 5375969
Conc: 36.91 ug/ml



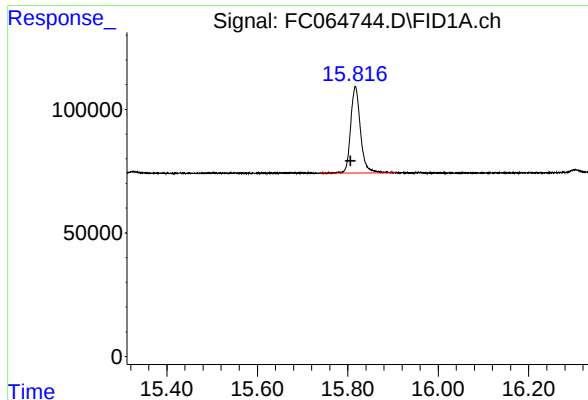
#13 n-Docosane (C22)

R.T.: 13.704 min
Delta R.T.: 0.012 min
Response: 554323
Conc: 3.40 ug/ml



#14 n-Tetracosane (C24)

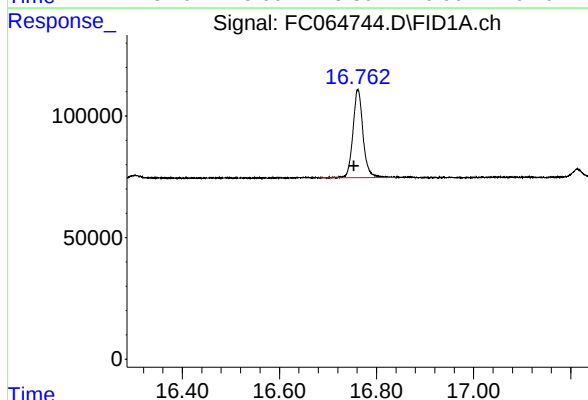
R.T.: 14.801 min
Delta R.T.: 0.011 min
Response: 556443
Conc: 3.50 ug/ml



#15 n-Hexacosane (C26)

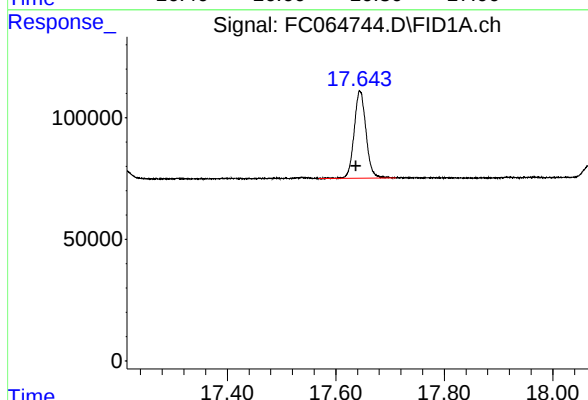
R.T.: 15.817 min
Delta R.T.: 0.010 min
Response: 526605
Conc: 3.45 ug/ml

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LOD-MDL-SOIL-01-QT4-2023



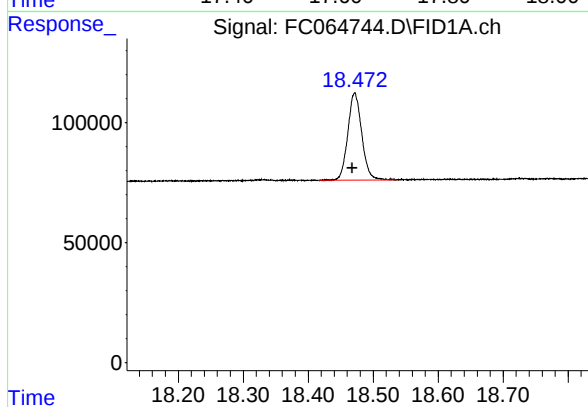
#16 n-Octacosane (C28)

R.T.: 16.762 min
Delta R.T.: 0.008 min
Response: 523263
Conc: 3.54 ug/ml



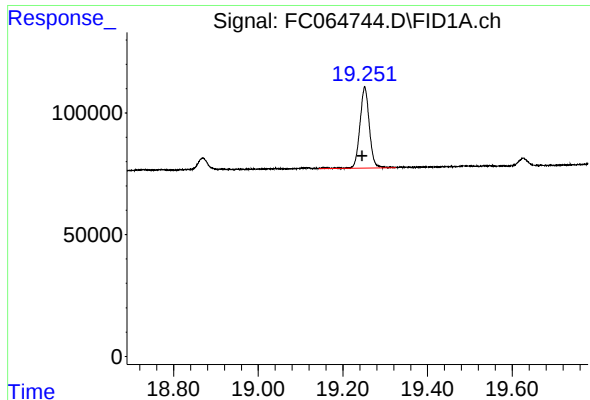
#17 n-Tricontane (C30)

R.T.: 17.645 min
Delta R.T.: 0.007 min
Response: 544601
Conc: 3.67 ug/ml



#18 n-Dotriacontane (C32)

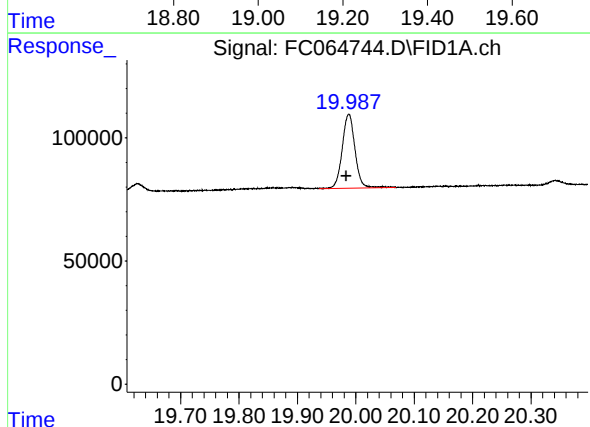
R.T.: 18.471 min
Delta R.T.: 0.003 min
Response: 540944
Conc: 3.71 ug/ml



#19 n-Tetratriacontane (C34)

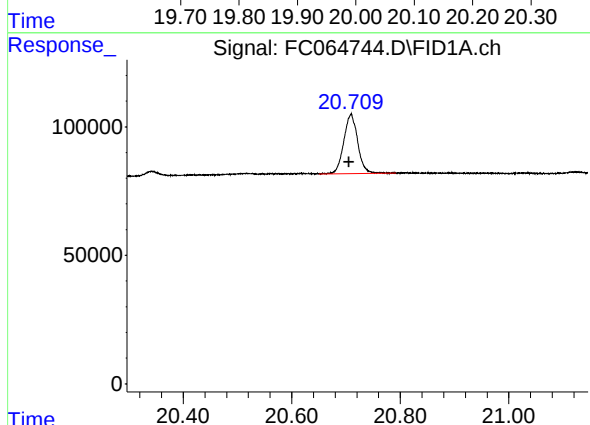
R.T.: 19.252 min
Delta R.T.: 0.006 min
Response: 512620
Conc: 3.61 ug/ml

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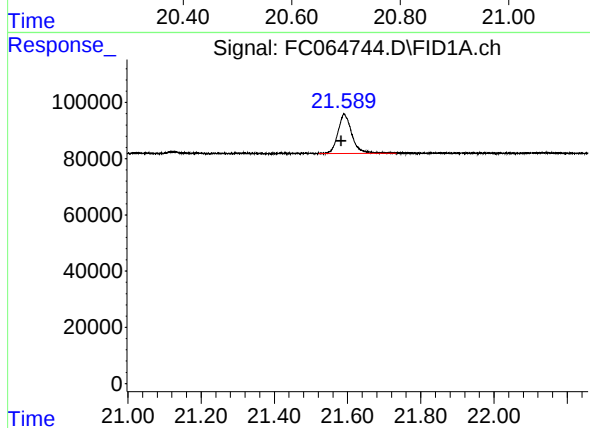
#20 n-Hexatriacontane (C36)

R.T.: 19.988 min
Delta R.T.: 0.004 min
Response: 457237
Conc: 3.32 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.709 min
Delta R.T.: 0.004 min
Response: 411986
Conc: 3.01 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.590 min
Delta R.T.: 0.007 min
Response: 370738
Conc: 2.73 ug/ml