

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061223AL\
 Data File : FF012868.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2023 12:46
 Operator : YP\AJ
 Sample : 02213-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :Ankita Jodhani 06/13/2023

Integration File: autoint1.e
 Quant Time: Jun 13 00:49:04 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 051923.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 12 16:29:21 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...	12.317	4500331	38.078 ug/ml
Spiked Amount 50.000		Recovery =	76.16%
Target Compounds			
1) T n-Nonane (C9)	2.751	239088	1.827 ug/mlm
2) T n-Decane (C10)	3.759	287488	2.152 ug/mlm
4) T n-Dodecane (C12)	5.743	353494	2.612 ug/mlm
6) T n-Tetradecane (C14)	7.530	334283	2.498 ug/mlm
7) T n-Hexadecane (C16)	9.127	325412	2.351 ug/ml
8) T n-Octadecane (C18)	10.564	392201	2.755 ug/ml
10) T n-Eicosane (C20)	11.870	411413	2.992 ug/ml
11) T n-Heneicosane (C21)	12.481	395055	2.921 ug/ml
13) T n-Docosane (C22)	13.066	405635	3.030 ug/ml
14) T n-Tetracosane (C24)	14.168	390335	2.969 ug/ml
15) T n-Hexacosane (C26)	15.187	382502	3.008 ug/ml
16) T n-Octacosane (C28)	16.134	384624	3.128 ug/ml
17) T n-Tricontane (C30)	17.020	416336	3.372 ug/ml
18) T n-Dotriacontane (C32)	17.850	433982	3.587 ug/ml
19) T n-Tetratriacontane (C34)	18.634	407292	3.481 ug/ml
20) T n-Hexatriacontane (C36)	19.373	359900	3.194 ug/ml
21) T n-Octatriacontane (C38)	20.097	323955	2.908 ug/ml
22) T n-Tetracontane (C40)	20.986	306279	2.776 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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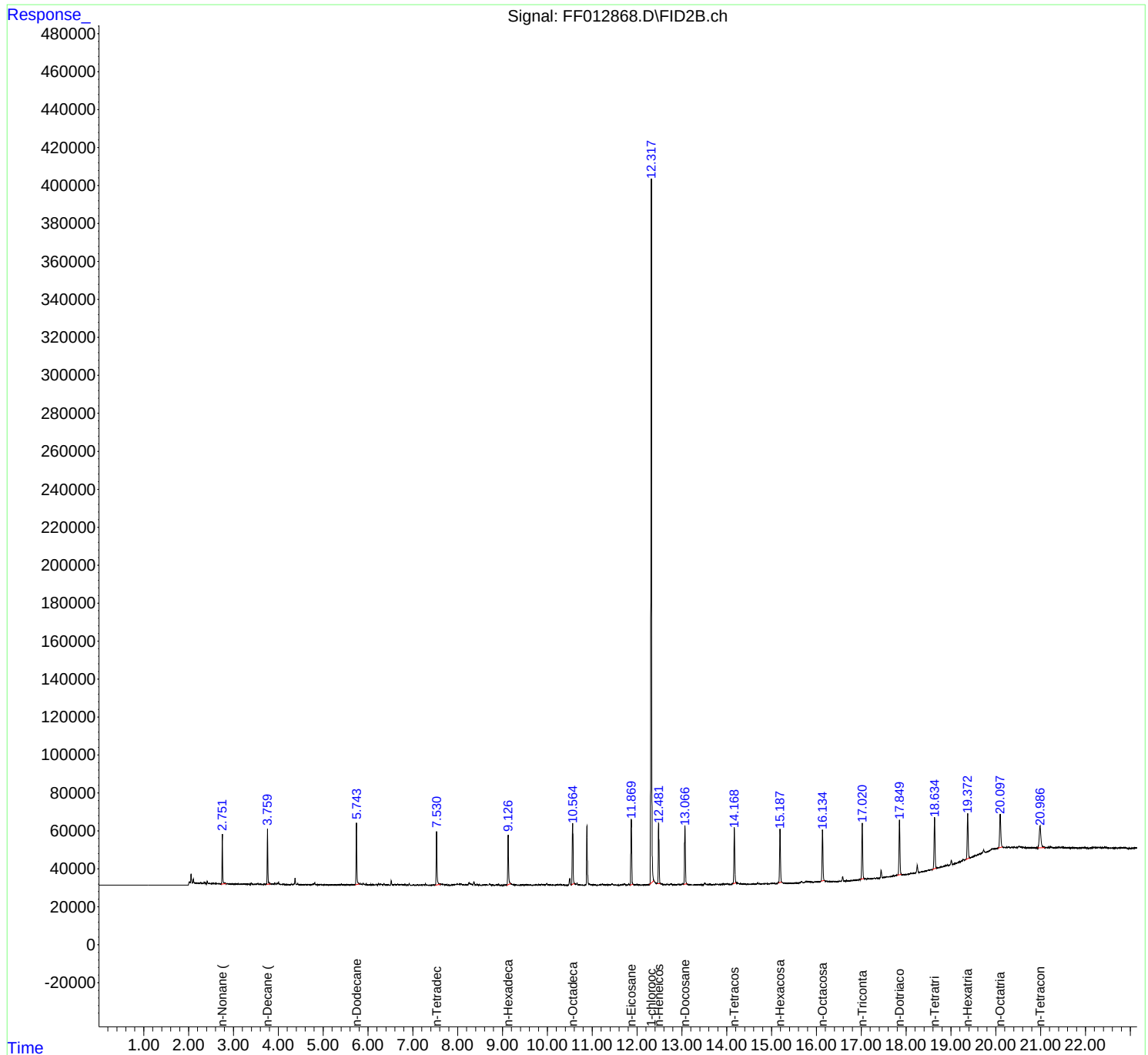
Instrument :
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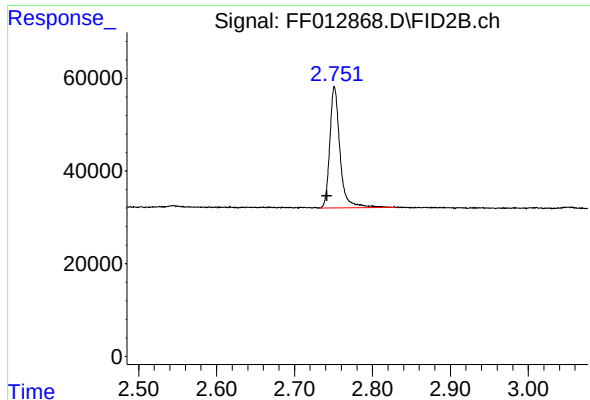
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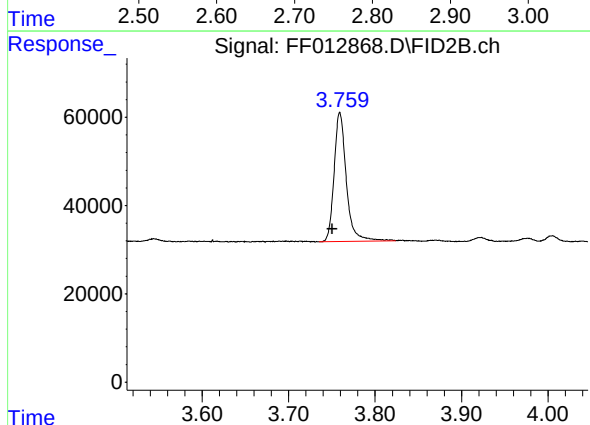
#1 n-Nonane (C9)

R.T.: 2.751 min
Delta R.T.: 0.009 min
Response: 239088
Conc: 1.83 ug/ml

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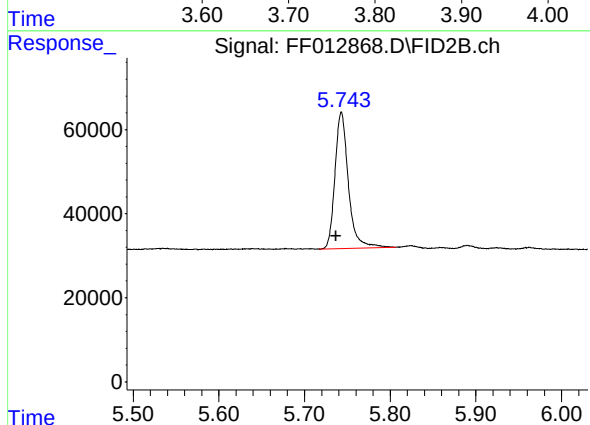
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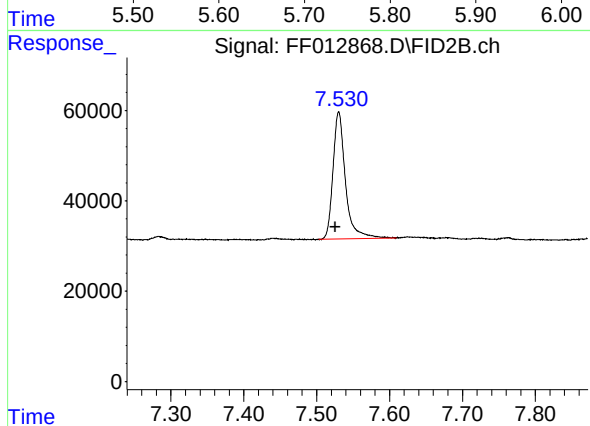
#2 n-Decane (C10)

R.T.: 3.759 min
Delta R.T.: 0.008 min
Response: 287488
Conc: 2.15 ug/ml m



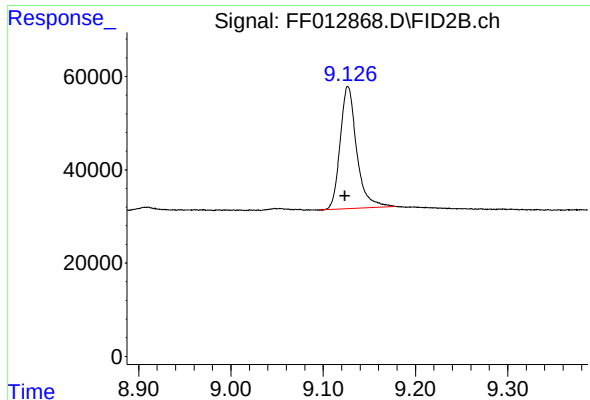
#4 n-Dodecane (C12)

R.T.: 5.743 min
Delta R.T.: 0.006 min
Response: 353494
Conc: 2.61 ug/ml m



#6 n-Tetradecane (C14)

R.T.: 7.530 min
Delta R.T.: 0.004 min
Response: 334283
Conc: 2.50 ug/ml m



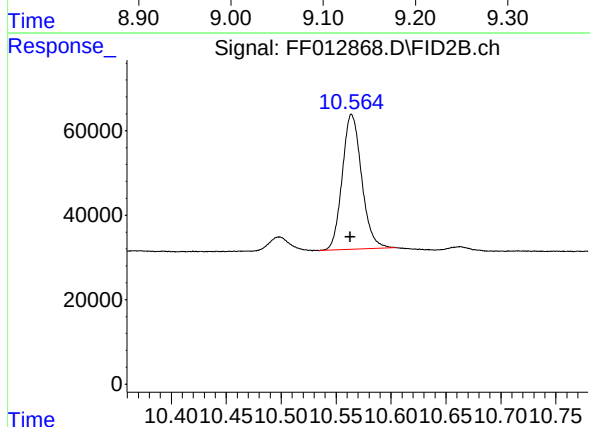
#7 n-Hexadecane (C16)

R.T.: 9.127 min
Delta R.T.: 0.003 min
Response: 325412
Conc: 2.35 ug/ml

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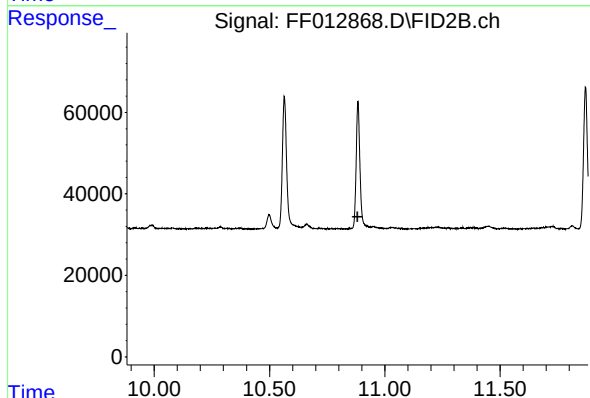
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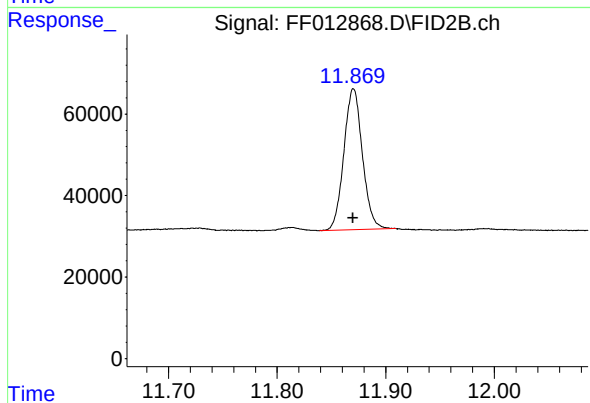
#8 n-Octadecane (C18)

R.T.: 10.564 min
Delta R.T.: 0.001 min
Response: 392201
Conc: 2.76 ug/ml



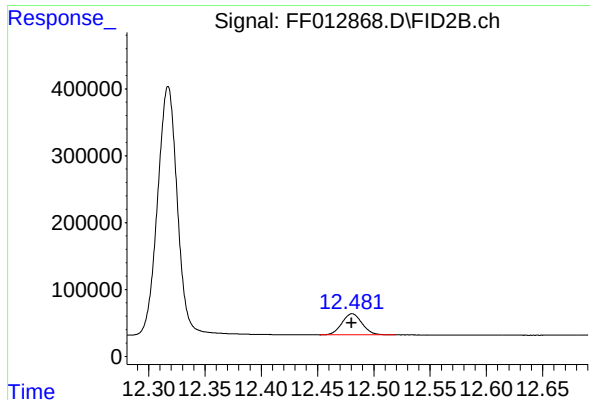
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 10.882 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 11.870 min
Delta R.T.: 0.000 min
Response: 411413
Conc: 2.99 ug/ml



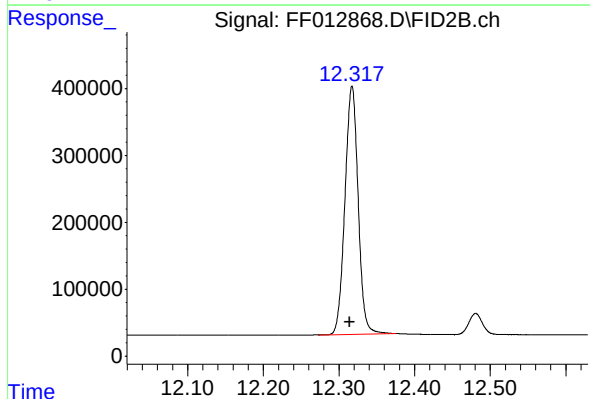
#11 n-Heneicosane (C21)

R.T.: 12.481 min
Delta R.T.: 0.000 min
Response: 395055
Conc: 2.92 ug/ml

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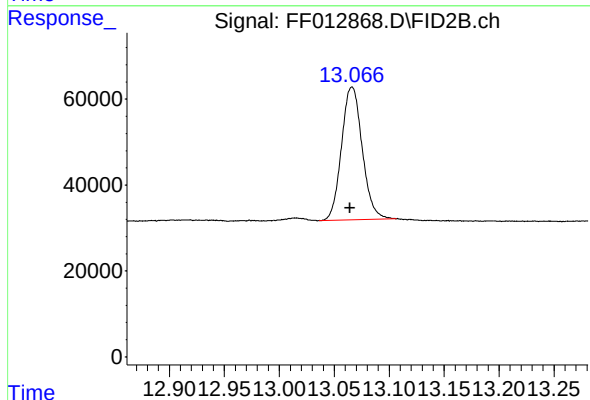
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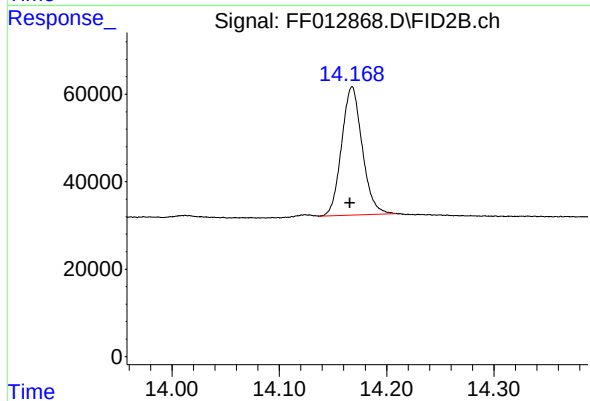
#12 1-chlorooctadecane (SURR)

R.T.: 12.317 min
Delta R.T.: 0.003 min
Response: 4500331
Conc: 38.08 ug/ml



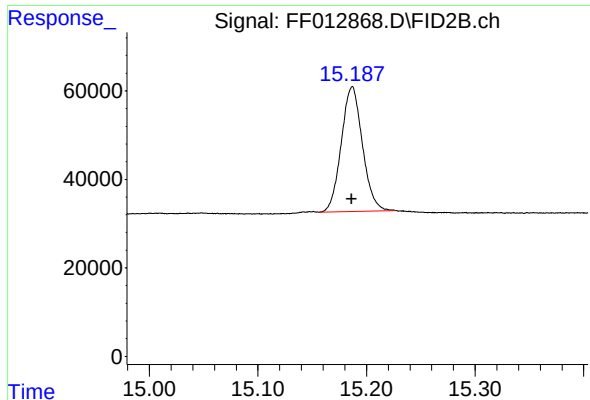
#13 n-Docosane (C22)

R.T.: 13.066 min
Delta R.T.: 0.002 min
Response: 405635
Conc: 3.03 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.168 min
Delta R.T.: 0.002 min
Response: 390335
Conc: 2.97 ug/ml



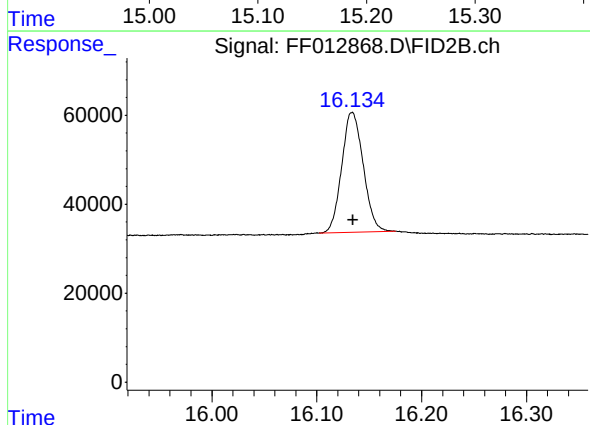
#15 n-Hexacosane (C26)

R.T.: 15.187 min
Delta R.T.: 0.000 min
Response: 382502
Conc: 3.01 ug/ml

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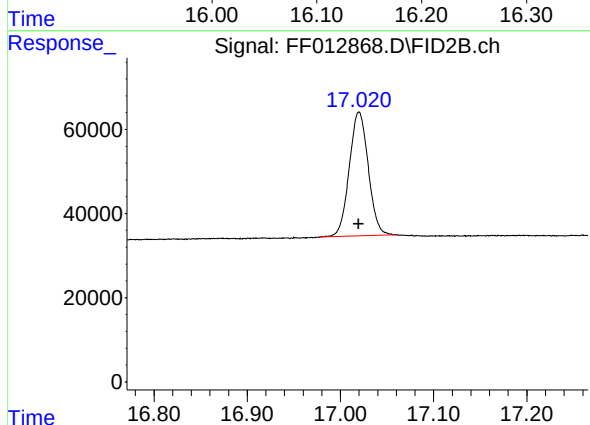
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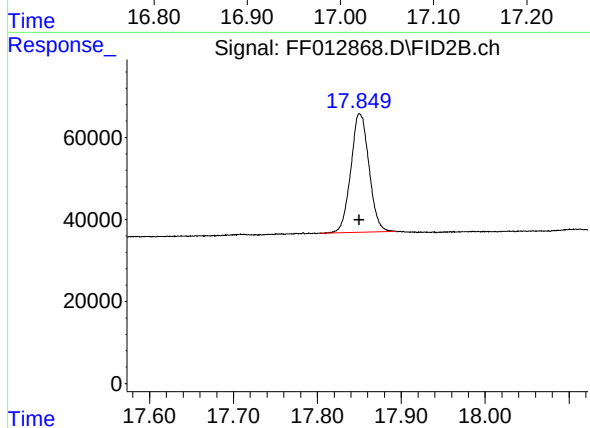
#16 n-Octacosane (C28)

R.T.: 16.134 min
Delta R.T.: 0.000 min
Response: 384624
Conc: 3.13 ug/ml



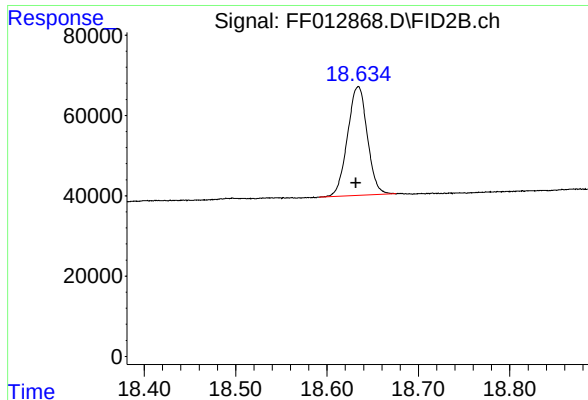
#17 n-Tricontane (C30)

R.T.: 17.020 min
Delta R.T.: 0.000 min
Response: 416336
Conc: 3.37 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 17.850 min
Delta R.T.: 0.000 min
Response: 433982
Conc: 3.59 ug/ml



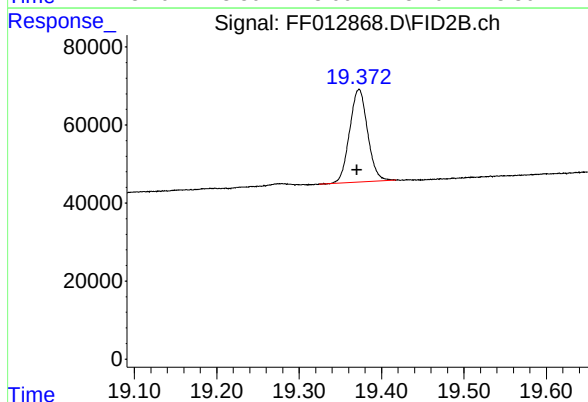
#19 n-Tetratriacontane (C34)

R.T.: 18.634 min
Delta R.T.: 0.003 min
Response: 407292
Conc: 3.48 ug/ml

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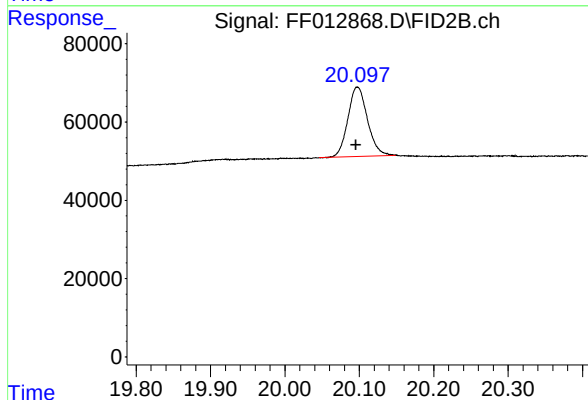
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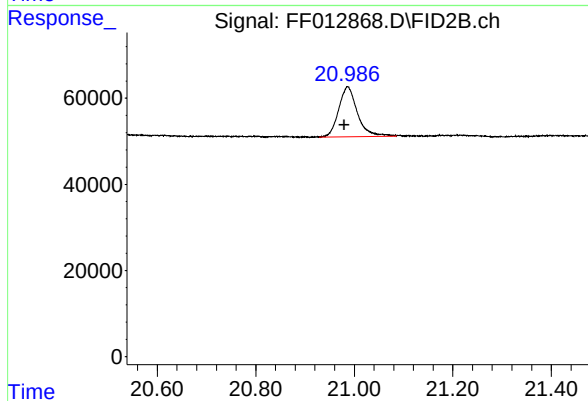
#20 n-Hexatriacontane (C36)

R.T.: 19.373 min
Delta R.T.: 0.003 min
Response: 359900
Conc: 3.19 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.097 min
Delta R.T.: 0.002 min
Response: 323955
Conc: 2.91 ug/ml



#22 n-Tetracontane (C40)

R.T.: 20.986 min
Delta R.T.: 0.006 min
Response: 306279
Conc: 2.78 ug/ml m