

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100923AL\
 Data File : FD046689.D
 Signal(s) : FID2B.ch
 Acq On : 09 Oct 2023 12:01
 Operator : YP/AJ
 Sample : 04699-01
 Misc : 4PPM SOIL LOD
 ALS Vial : 61 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/10/2023
 Supervised By :Ankita Jodhani 10/10/2023

Integration File: autoint1.e
 Quant Time: Oct 09 23:47:04 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 05:12:31 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...	12.818	5336741	33.868 ug/ml
Spiked Amount 50.000		Recovery =	67.74%
Target Compounds			
1) T n-Nonane (C9)	3.215	414862	2.509 ug/ml
2) T n-Decane (C10)	4.267	519742	3.083 ug/ml
4) T n-Dodecane (C12)	6.268	623126	3.668 ug/ml
6) T n-Tetradecane (C14)	8.052	593732	3.509 ug/ml
7) T n-Hexadecane (C16)	9.643	618834	3.503 ug/ml
8) T n-Octadecane (C18)	11.075	698809	3.812 ug/ml
10) T n-Eicosane (C20)	12.376	725116	4.011 ug/ml
11) T n-Heneicosane (C21)	12.983	706888	3.931 ug/ml
13) T n-Docosane (C22)	13.566	714735	3.957 ug/ml
14) T n-Tetracosane (C24)	14.660	733466	4.001 ug/mlm
15) T n-Hexacosane (C26)	15.673	689332	3.853 ug/ml
16) T n-Octacosane (C28)	16.616	686016	3.975 ug/ml
17) T n-Tricontane (C30)	17.497	694715	4.041 ug/ml
18) T n-Dotriacontane (C32)	18.322	663443	4.057 ug/ml
19) T n-Tetratriacontane (C34)	19.099	598191	3.838 ug/ml
20) T n-Hexatriacontane (C36)	19.833	521964	3.712 ug/ml
21) T n-Octatriacontane (C38)	20.532	458772	3.426 ug/ml
22) T n-Tetracontane (C40)	21.345	398206	3.150 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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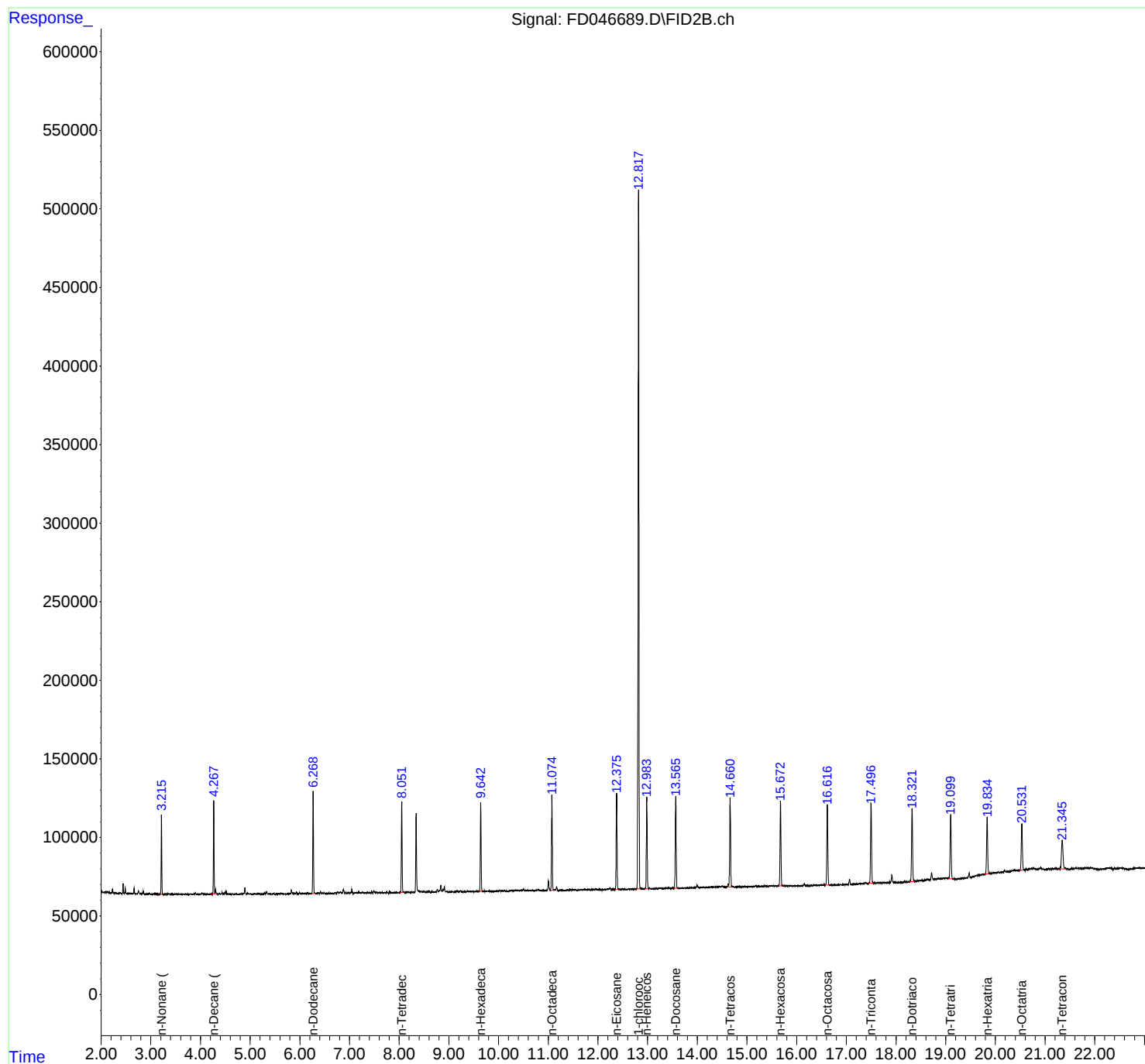
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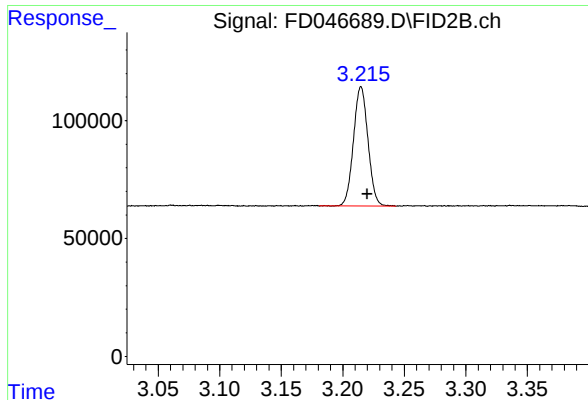
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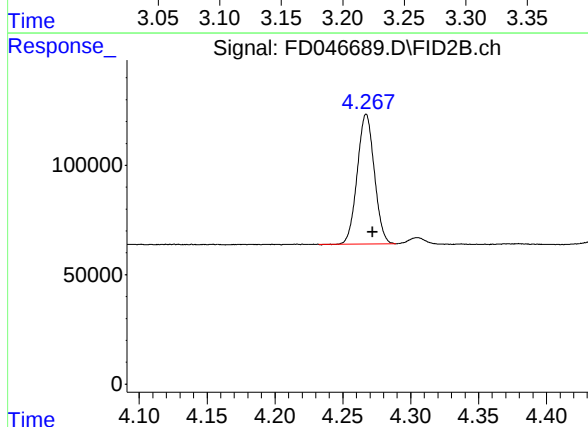
#1 n-Nonane (C9)

R.T.: 3.215 min
Delta R.T.: -0.005 min
Response: 414862
Conc: 2.51 ug/ml

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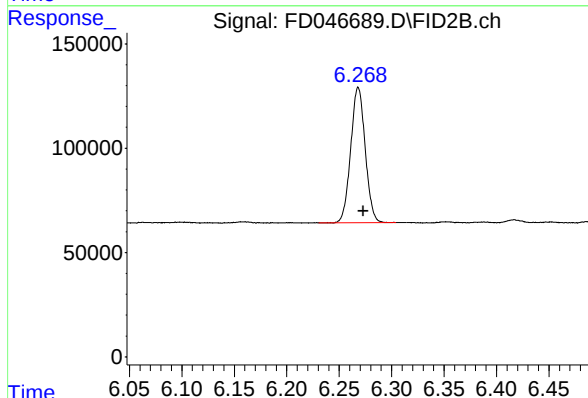
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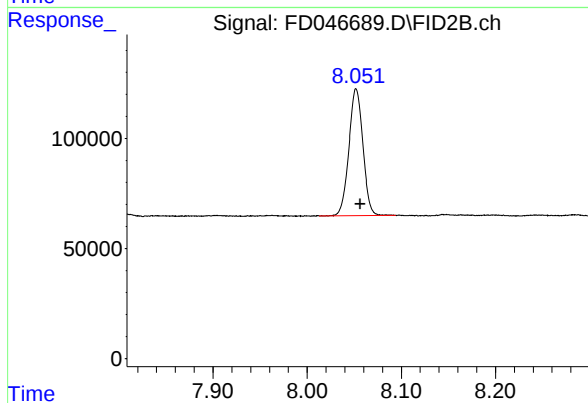
#2 n-Decane (C10)

R.T.: 4.267 min
Delta R.T.: -0.005 min
Response: 519742
Conc: 3.08 ug/ml



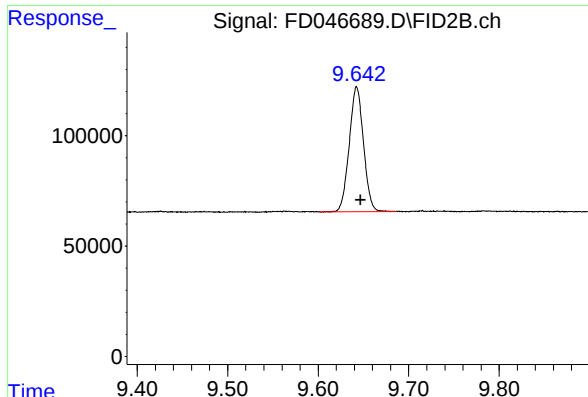
#4 n-Dodecane (C12)

R.T.: 6.268 min
Delta R.T.: -0.005 min
Response: 623126
Conc: 3.67 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.052 min
Delta R.T.: -0.005 min
Response: 593732
Conc: 3.51 ug/ml



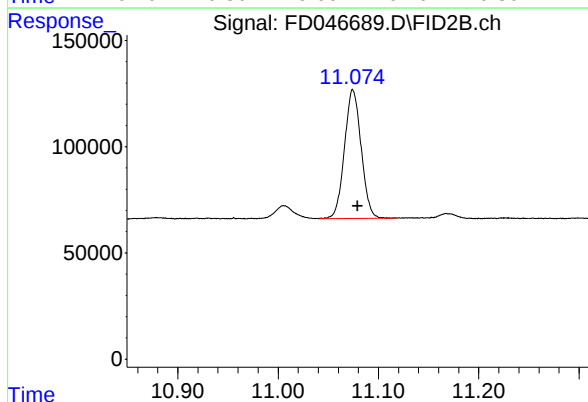
#7 n-Hexadecane (C16)

R.T.: 9.643 min
Delta R.T.: -0.004 min
Response: 618834
Conc: 3.50 ug/ml

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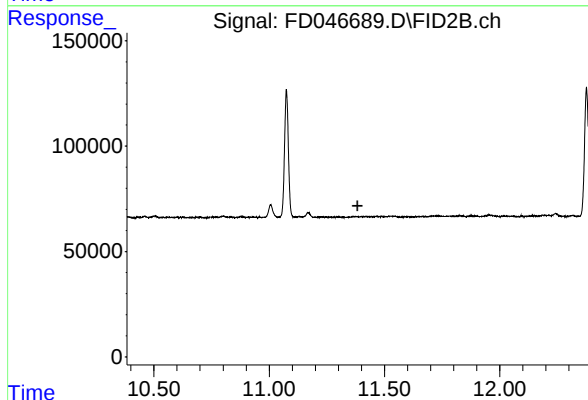
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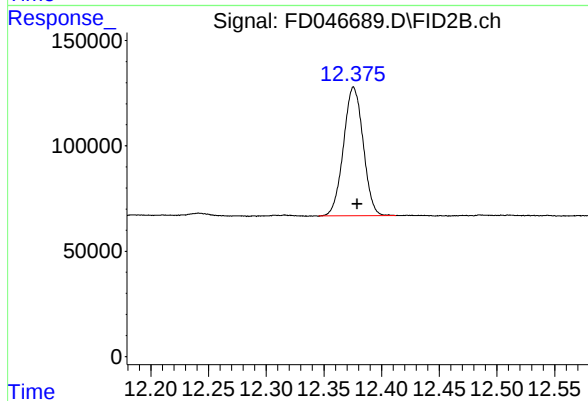
#8 n-Octadecane (C18)

R.T.: 11.075 min
Delta R.T.: -0.005 min
Response: 698809
Conc: 3.81 ug/ml



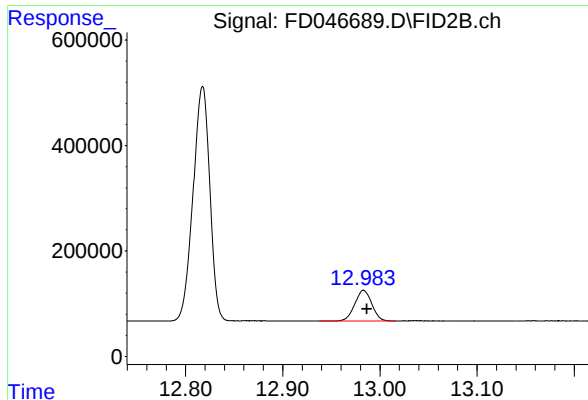
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.383 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.376 min
Delta R.T.: -0.003 min
Response: 725116
Conc: 4.01 ug/ml



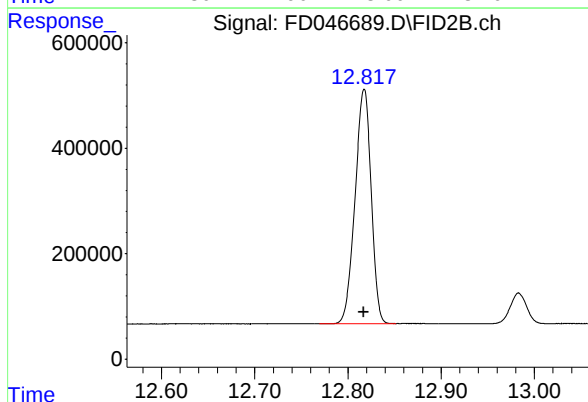
#11 n-Heneicosane (C21)

R.T.: 12.983 min
Delta R.T.: -0.004 min
Response: 706888
Conc: 3.93 ug/ml

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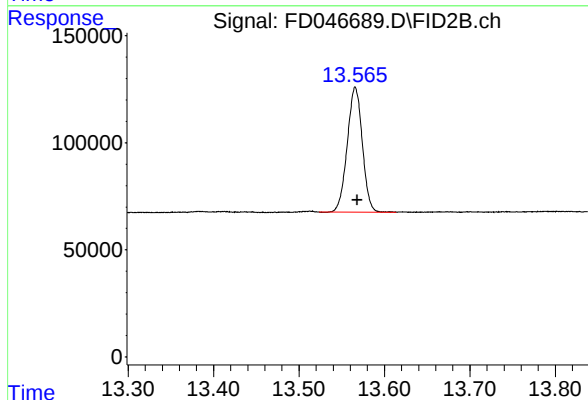
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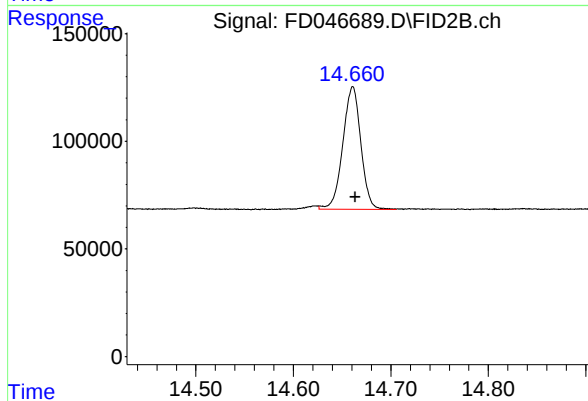
#12 1-chlorooctadecane (SURR)

R.T.: 12.818 min
Delta R.T.: 0.000 min
Response: 5336741
Conc: 33.87 ug/ml



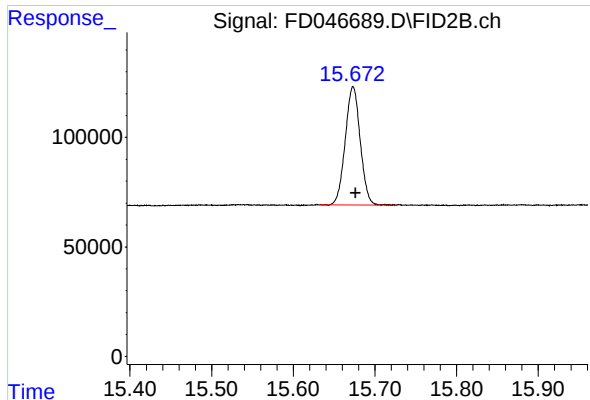
#13 n-Docosane (C22)

R.T.: 13.566 min
Delta R.T.: -0.002 min
Response: 714735
Conc: 3.96 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.660 min
Delta R.T.: -0.003 min
Response: 733466
Conc: 4.00 ug/ml m



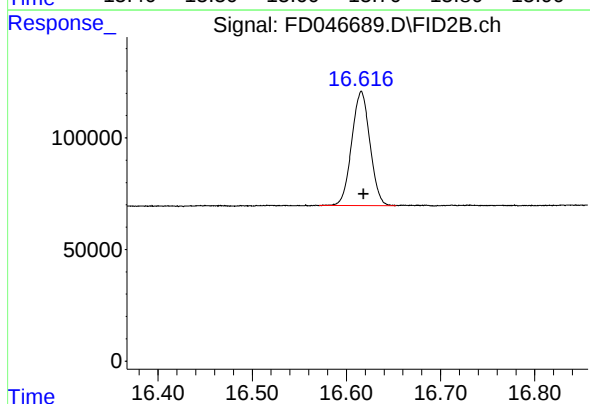
#15 n-Hexacosane (C26)

R.T.: 15.673 min
Delta R.T.: -0.003 min
Response: 689332
Conc: 3.85 ug/ml

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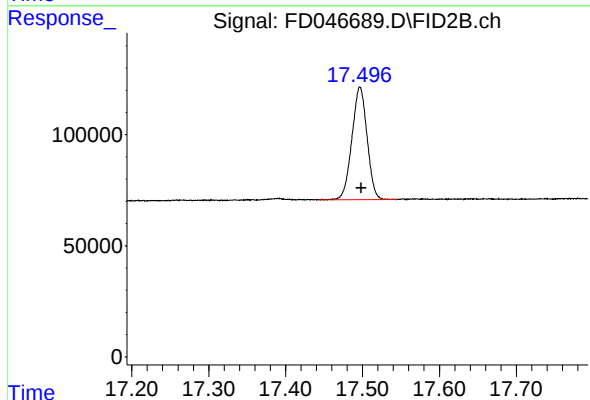
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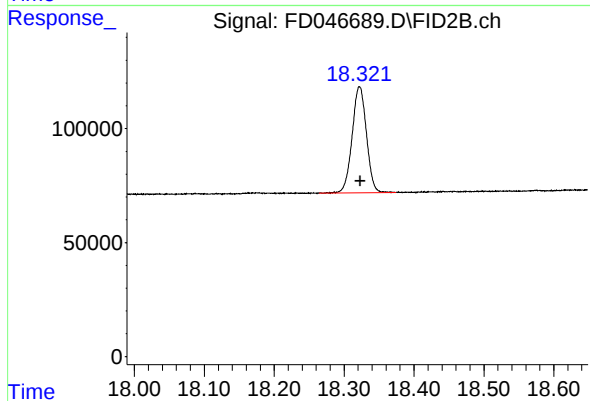
#16 n-Octacosane (C28)

R.T.: 16.616 min
Delta R.T.: -0.002 min
Response: 686016
Conc: 3.97 ug/ml



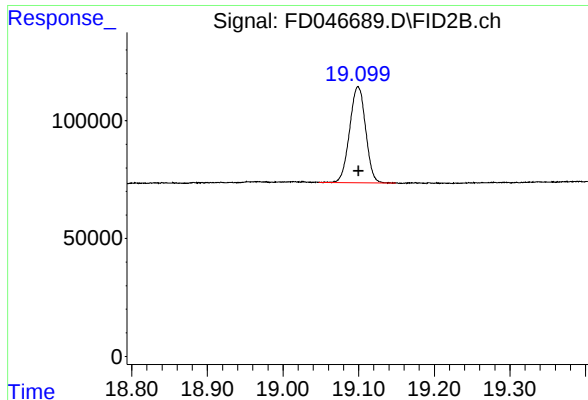
#17 n-Tricontane (C30)

R.T.: 17.497 min
Delta R.T.: -0.002 min
Response: 694715
Conc: 4.04 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.322 min
Delta R.T.: -0.001 min
Response: 663443
Conc: 4.06 ug/ml



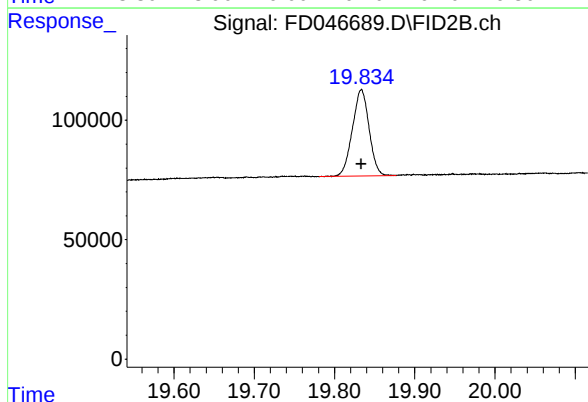
#19 n-Tetratriacontane (C34)

R.T.: 19.099 min
Delta R.T.: -0.001 min
Response: 598191
Conc: 3.84 ug/ml

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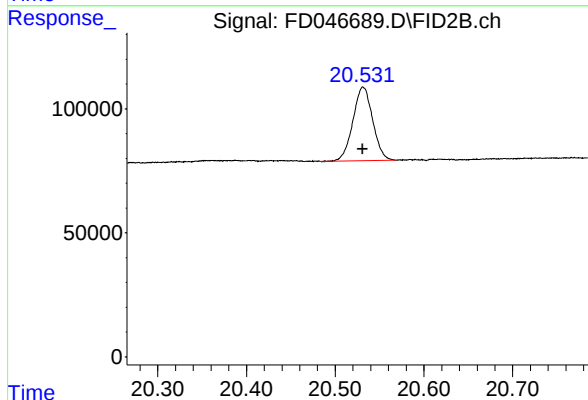
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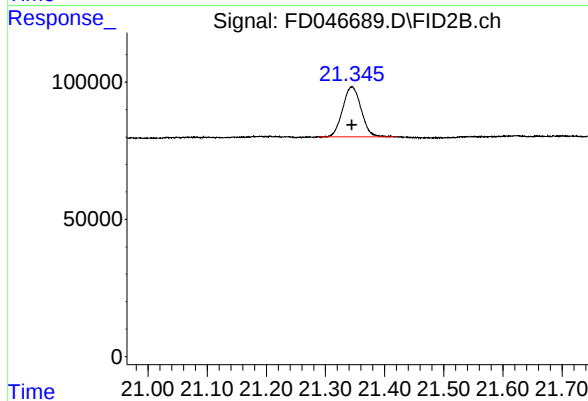
#20 n-Hexatriacontane (C36)

R.T.: 19.833 min
Delta R.T.: 0.000 min
Response: 521964
Conc: 3.71 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.532 min
Delta R.T.: 0.000 min
Response: 458772
Conc: 3.43 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.345 min
Delta R.T.: 0.000 min
Response: 398206
Conc: 3.15 ug/ml