

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070924AL\
 Data File : FE049031.D
 Signal(s) : FID1B.ch
 Acq On : 09 Jul 2024 22:17
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/10/2024
 Supervised By :Ankita Jodhani 07/10/2024

Integration File: autoint1.e
 Quant Time: Jul 10 01:28:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062124.M
 Quant Title : GC Extractables
 QLast Update : Thu Jun 20 17:53:58 2024
 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			
9) S ortho-Terphenyl (SURR)	11.924	2924876	17.492 ug/ml
Spiked Amount 50.000		Recovery =	34.98%
12) S 1-chlorooctadecane (S...	13.360	2233667	17.370 ug/ml
Spiked Amount 50.000		Recovery =	34.74%
Target Compounds			
1) T n-Nonane (C9)	3.312	2619427	17.423 ug/ml
2) T n-Decane (C10)	4.562	2865556	18.621 ug/ml
3) T A~Naphthalene (C11.7)	6.268	2896465	18.245 ug/ml
4) T n-Dodecane (C12)	6.727	2854141	18.489 ug/ml
5) T A~2-methylnaphthalene...	7.364	2760131	18.226 ug/ml
6) T n-Tetradecane (C14)	8.555	2820123	18.400 ug/ml
7) T n-Hexadecane (C16)	10.162	2883294	18.440 ug/ml
8) T n-Octadecane (C18)	11.606	2873820	18.019 ug/ml
10) T n-Eicosane (C20)	12.915	2739738	17.672 ug/ml
11) T n-Heneicosane (C21)	13.526	2689084	17.661 ug/ml
13) T n-Docosane (C22)	14.112	2680835	17.726 ug/ml
14) T n-Tetracosane (C24)	15.215	2659669	17.698 ug/mlm
15) T n-Hexacosane (C26)	16.234	2726942	18.471 ug/ml
16) T n-Octacosane (C28)	17.183	2869766	19.899 ug/ml
17) T n-Tricontane (C30)	18.071	3335348	22.798 ug/ml
18) T n-Dotriacontane (C32)	18.902	3471587	24.280 ug/ml
19) T n-Tetratriacontane (C34)	19.684	3273867	23.660 ug/ml
20) T n-Hexatriacontane (C36)	20.424	3003932	23.113 ug/ml
21) T n-Octatriacontane (C38)	21.160	2926628	22.829 ug/ml
22) T n-Tetracontane (C40)	22.070	2901847	23.696 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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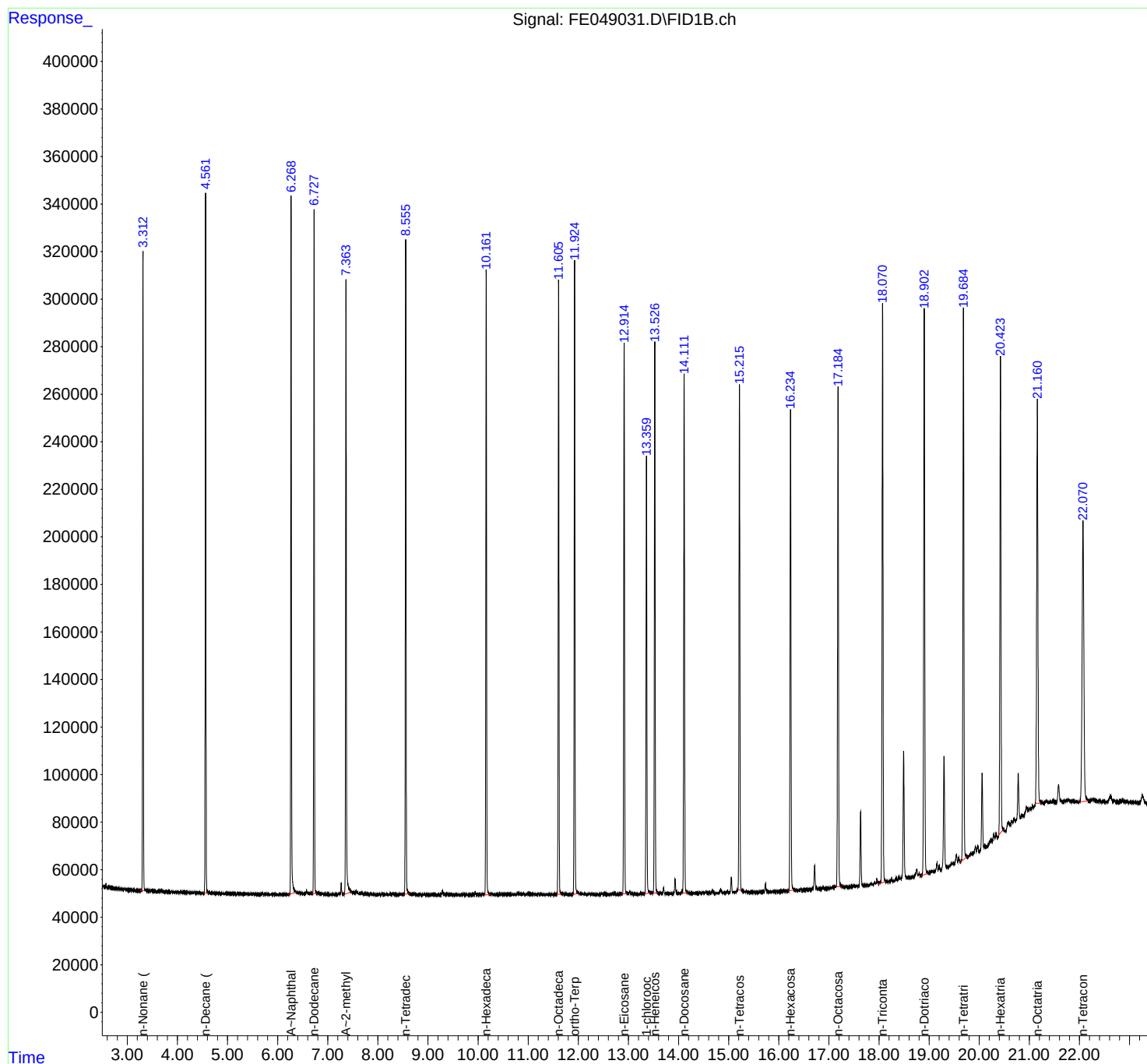
Instrument :
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20 PPM ALIPHATIC HC STD

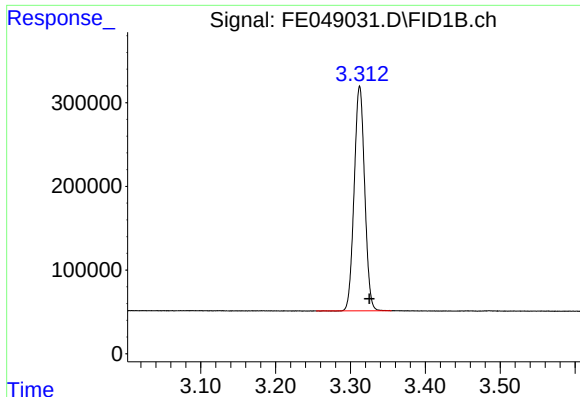
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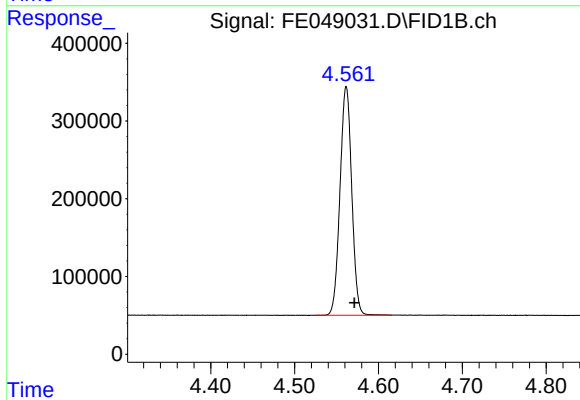
#1 n-Nonane (C9)

R.T.: 3.312 min
Delta R.T.: -0.013 min
Response: 2619427
Conc: 17.42 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

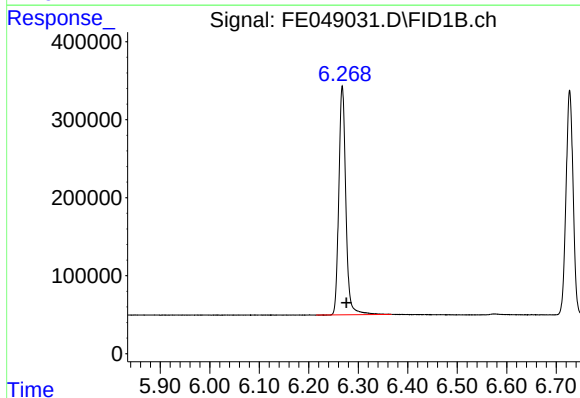
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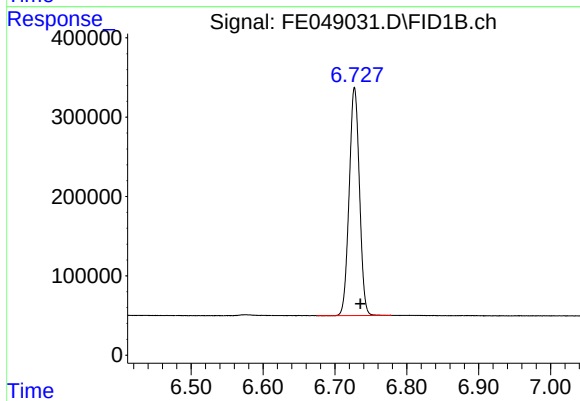
#2 n-Decane (C10)

R.T.: 4.562 min
Delta R.T.: -0.010 min
Response: 2865556
Conc: 18.62 ug/ml



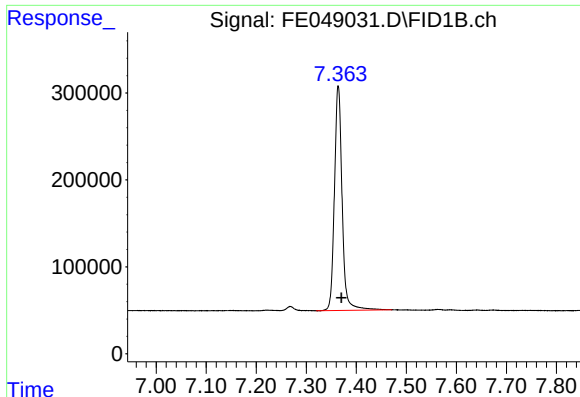
#3 A~Naphthalene (C11.7)

R.T.: 6.268 min
Delta R.T.: -0.008 min
Response: 2896465
Conc: 18.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.727 min
Delta R.T.: -0.008 min
Response: 2854141
Conc: 18.49 ug/ml



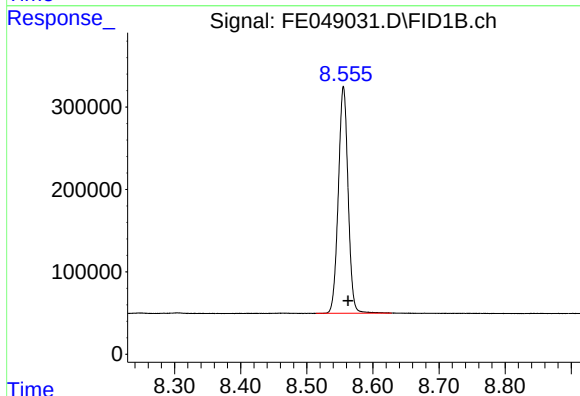
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.364 min
Delta R.T.: -0.007 min
Response: 2760131
Conc: 18.23 ug/ml

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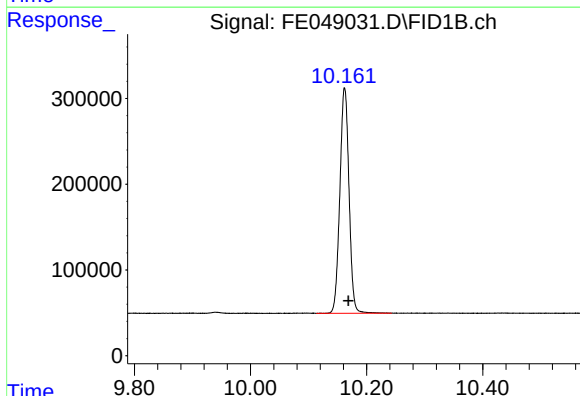
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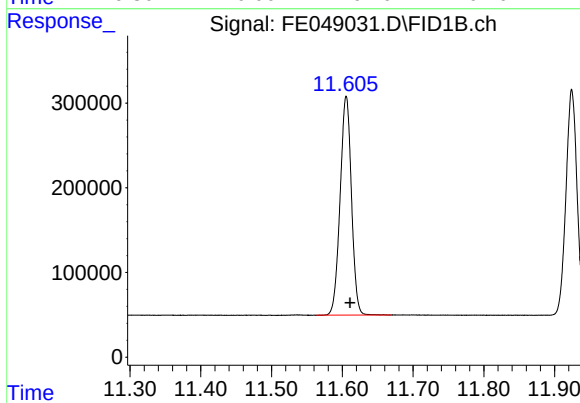
#6 n-Tetradecane (C14)

R.T.: 8.555 min
Delta R.T.: -0.007 min
Response: 2820123
Conc: 18.40 ug/ml



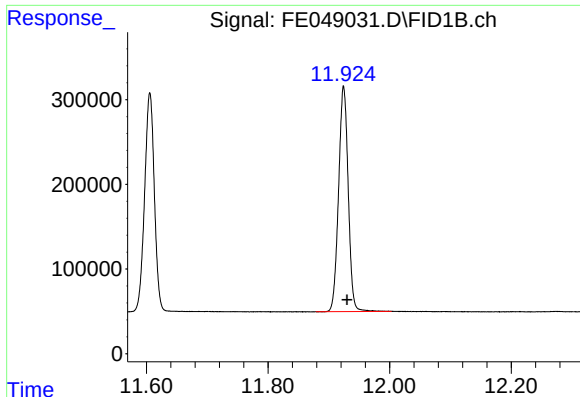
#7 n-Hexadecane (C16)

R.T.: 10.162 min
Delta R.T.: -0.007 min
Response: 2883294
Conc: 18.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.606 min
Delta R.T.: -0.005 min
Response: 2873820
Conc: 18.02 ug/ml



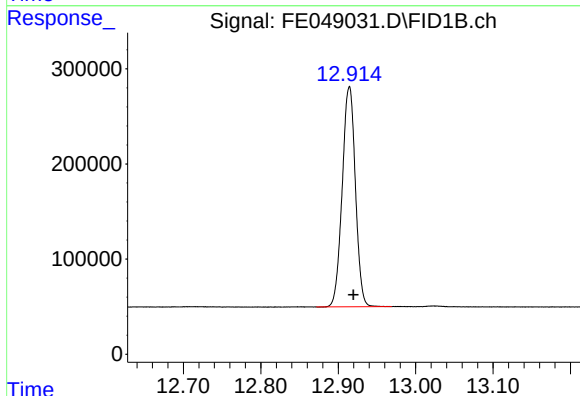
#9 ortho-Terphenyl (SURR)

R.T.: 11.924 min
Delta R.T.: -0.006 min
Response: 2924876
Conc: 17.49 ug/ml

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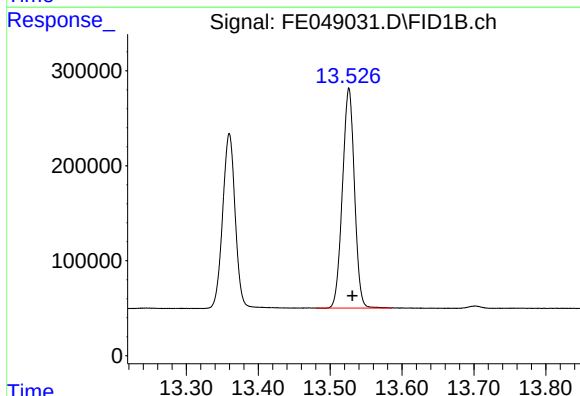
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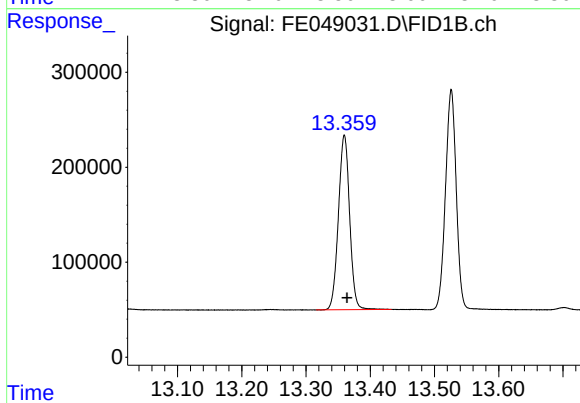
#10 n-Eicosane (C20)

R.T.: 12.915 min
Delta R.T.: -0.005 min
Response: 2739738
Conc: 17.67 ug/ml



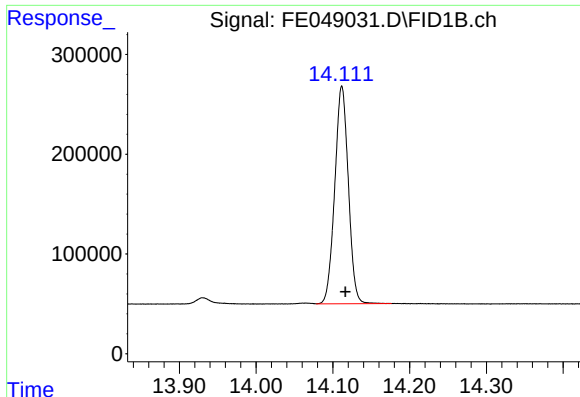
#11 n-Heneicosane (C21)

R.T.: 13.526 min
Delta R.T.: -0.005 min
Response: 2689084
Conc: 17.66 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.360 min
Delta R.T.: -0.004 min
Response: 2233667
Conc: 17.37 ug/ml



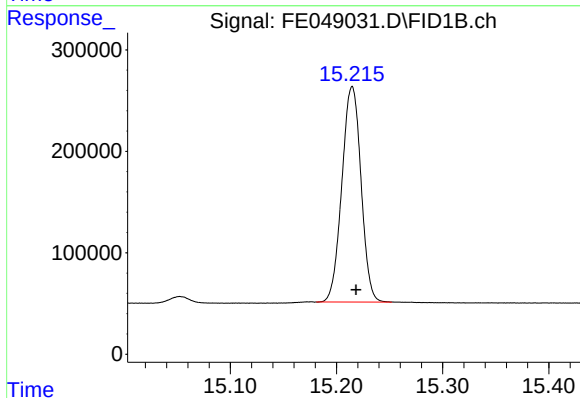
#13 n-Docosane (C22)

R.T.: 14.112 min
Delta R.T.: -0.005 min
Response: 2680835
Conc: 17.73 ug/ml

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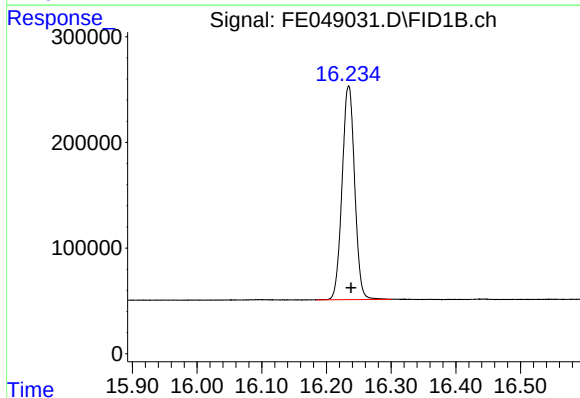
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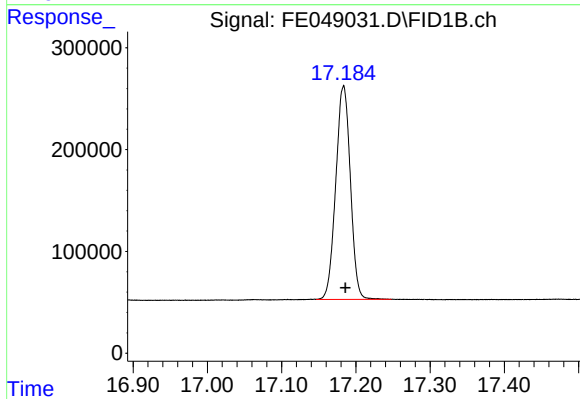
#14 n-Tetracosane (C24)

R.T.: 15.215 min
Delta R.T.: -0.004 min
Response: 2659669
Conc: 17.70 ug/ml m



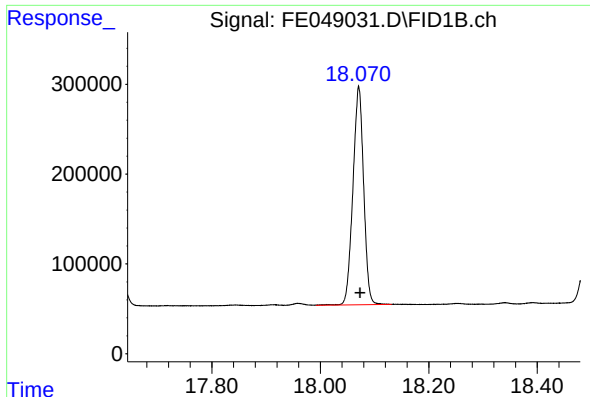
#15 n-Hexacosane (C26)

R.T.: 16.234 min
Delta R.T.: -0.004 min
Response: 2726942
Conc: 18.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.183 min
Delta R.T.: -0.003 min
Response: 2869766
Conc: 19.90 ug/ml



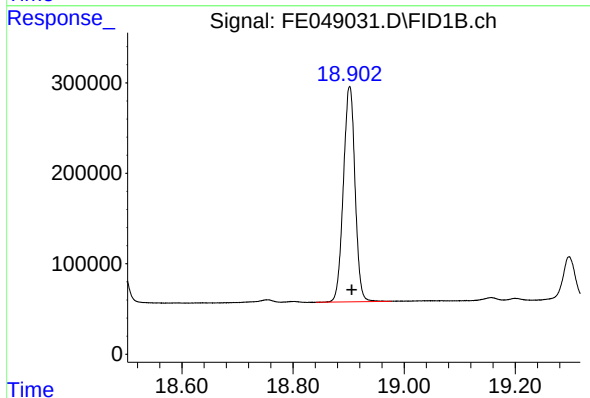
#17 n-Tricontane (C30)

R.T.: 18.071 min
Delta R.T.: -0.002 min
Response: 3335348
Conc: 22.80 ug/ml

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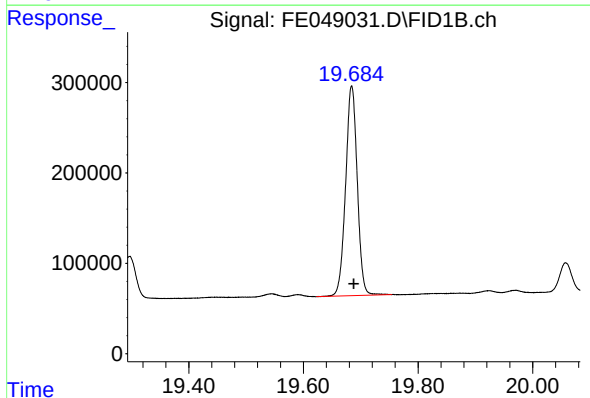
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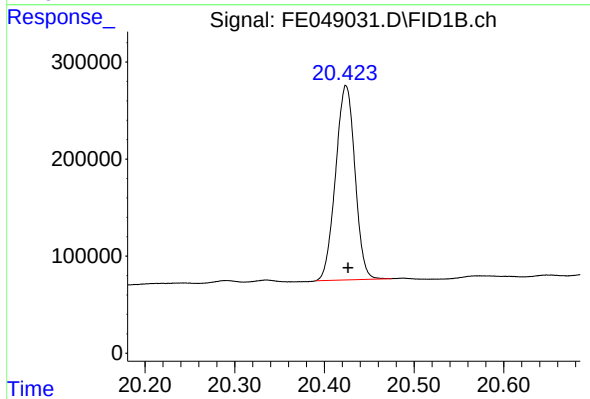
#18 n-Dotriacontane (C32)

R.T.: 18.902 min
Delta R.T.: -0.004 min
Response: 3471587
Conc: 24.28 ug/ml



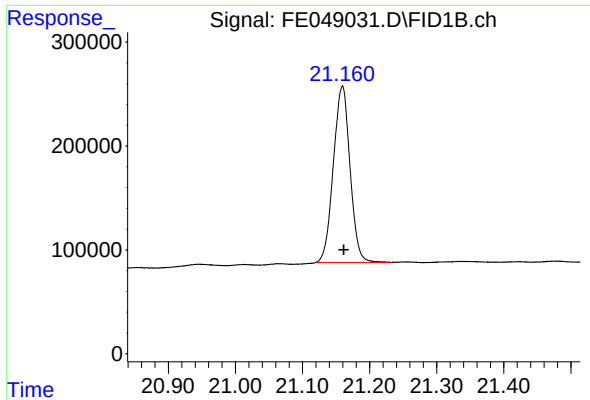
#19 n-Tetratriacontane (C34)

R.T.: 19.684 min
Delta R.T.: -0.004 min
Response: 3273867
Conc: 23.66 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.424 min
Delta R.T.: -0.002 min
Response: 3003932
Conc: 23.11 ug/ml



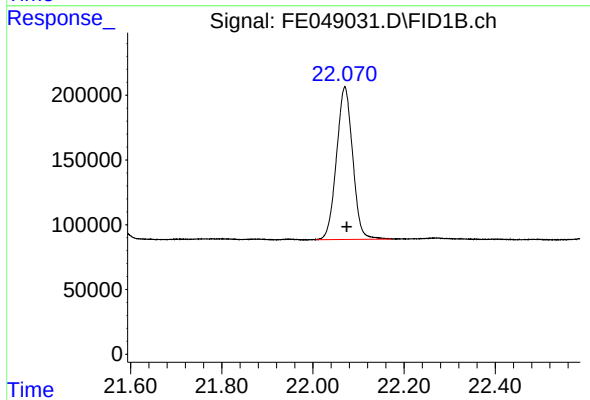
#21 n-Octatriacontane (C38)

R.T.: 21.160 min
Delta R.T.: -0.002 min
Response: 2926628
Conc: 22.83 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.070 min
Delta R.T.: -0.004 min
Response: 2901847
Conc: 23.70 ug/ml m