

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE030923AL\
 Data File : FE040746.D
 Signal(s) : FID1B.ch
 Acq On : 10 Mar 2023 00:12
 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 03/10/2023
 Supervised By :Ankita Jodhani 03/10/2023

Integration File: autoint1.e
 Quant Time: Mar 10 01:29:30 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 022823.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 28 03:05:09 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			
9) S ortho-Terphenyl (SURR)	11.881	3462258	18.533 ug/ml
Spiked Amount 50.000		Recovery =	37.07%
12) S 1-chlorooctadecane (S...	13.320	2688026	18.162 ug/ml
Spiked Amount 50.000		Recovery =	36.32%
Target Compounds			
1) T n-Nonane (C9)	3.277	3152836	20.490 ug/ml
2) T n-Decane (C10)	4.524	3139711	20.869 ug/ml
3) T A~Naphthalene (C11.7)	6.227	3432308	20.693 ug/ml
4) T n-Dodecane (C12)	6.689	3187173	20.819 ug/ml
5) T A~2-methylnaphthalene...	7.322	3177954	20.998 ug/ml
6) T n-Tetradecane (C14)	8.515	3209513	20.766 ug/ml
7) T n-Hexadecane (C16)	10.123	3289125	20.363 ug/ml
8) T n-Octadecane (C18)	11.565	3307761	19.481 ug/ml
10) T n-Eicosane (C20)	12.875	3185547	18.831 ug/ml
11) T n-Heneicosane (C21)	13.487	3130854	18.271 ug/ml
13) T n-Docosane (C22)	14.074	3134485	18.297 ug/ml
14) T n-Tetracosane (C24)	15.178	3183216	18.465 ug/ml
15) T n-Hexacosane (C26)	16.200	3116438	18.336 ug/ml
16) T n-Octacosane (C28)	17.151	3235117	19.291 ug/ml
17) T n-Tricontane (C30)	18.039	3399040	20.817 ug/ml
18) T n-Dotriacontane (C32)	18.874	3373048	19.708 ug/mlm
19) T n-Tetratriacontane (C34)	19.659	3105975	20.089 ug/ml
20) T n-Hexatriacontane (C36)	20.400	2878048	19.810 ug/ml
21) T n-Octatriacontane (C38)	21.130	2513553	18.286 ug/mlm
22) T n-Tetracontane (C40)	22.023	2736006	17.706 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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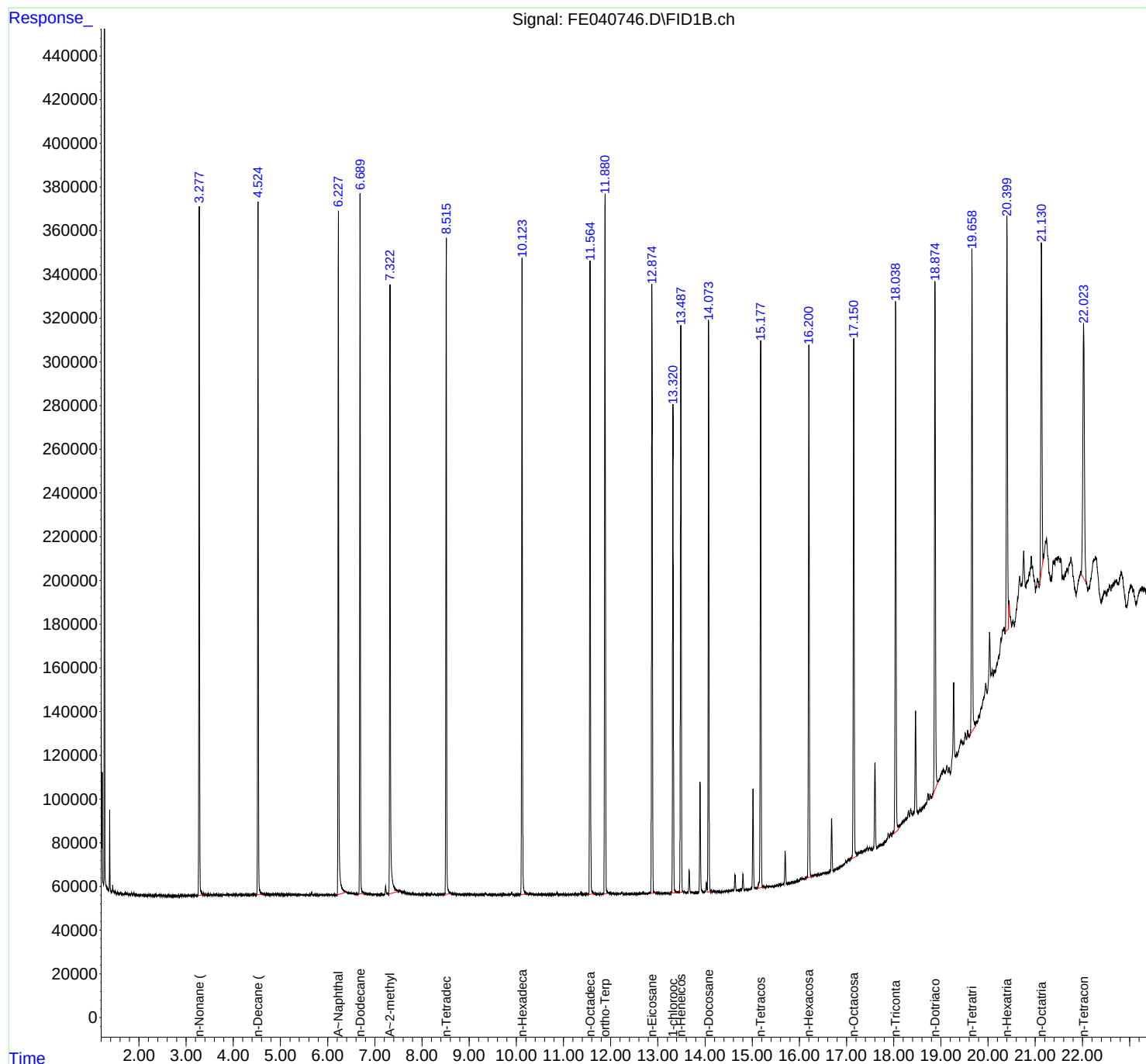
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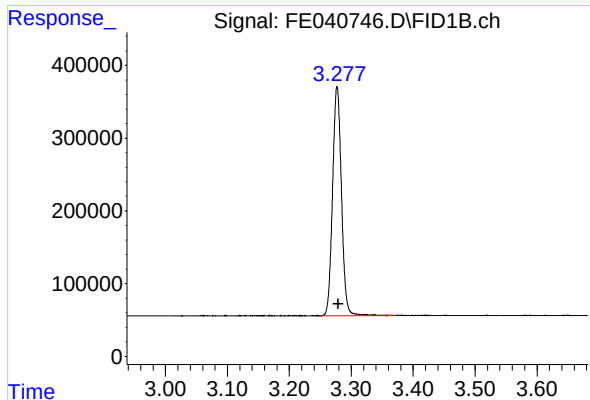
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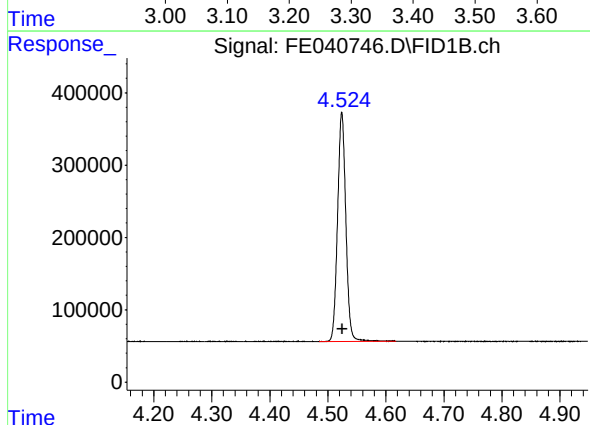
#1 n-Nonane (C9)

R.T.: 3.277 min
Delta R.T.: -0.002 min
Response: 3152836
Conc: 20.49 ug/ml

Instrument : FID_E
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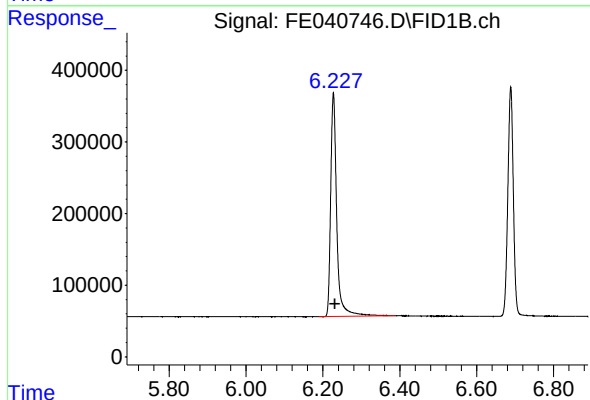
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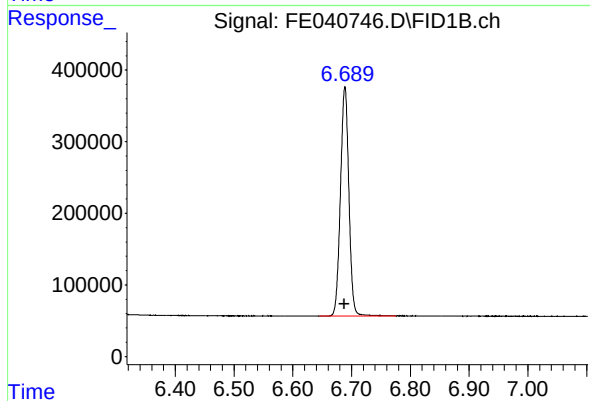
#2 n-Decane (C10)

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 3139711
Conc: 20.87 ug/ml



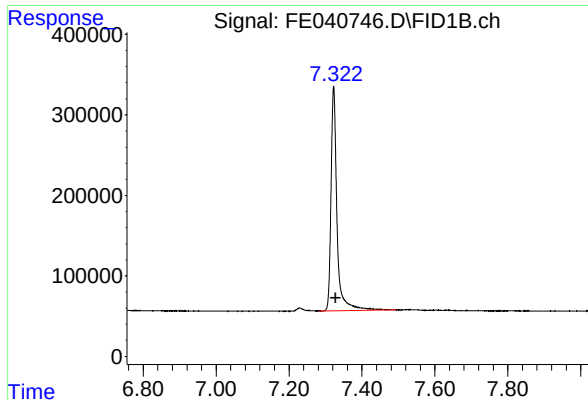
#3 A~Naphthalene (C11.7)

R.T.: 6.227 min
Delta R.T.: -0.004 min
Response: 3432308
Conc: 20.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.689 min
Delta R.T.: 0.001 min
Response: 3187173
Conc: 20.82 ug/ml



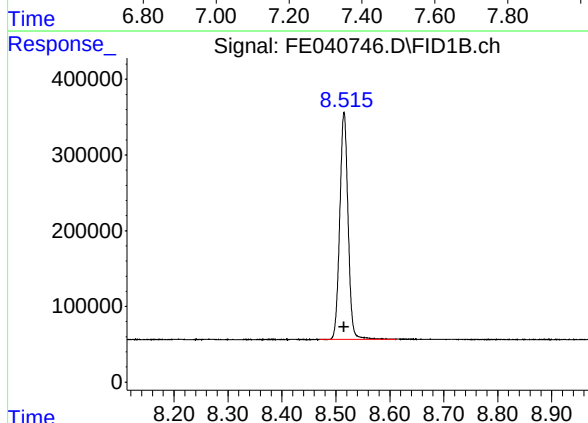
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.322 min
Delta R.T.: -0.006 min
Response: 3177954
Conc: 21.00 ug/ml

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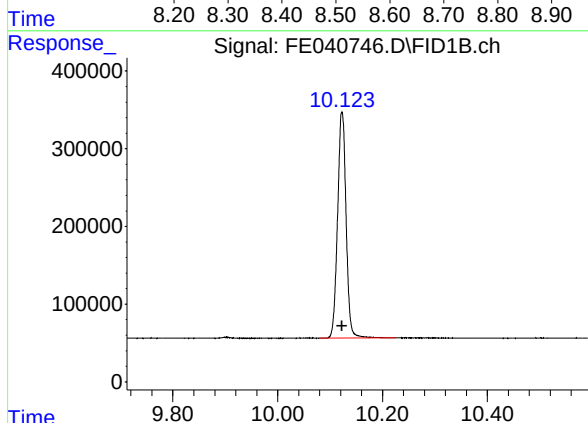
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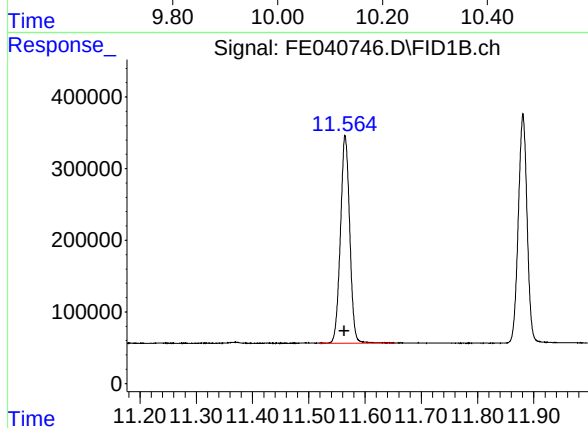
#6 n-Tetradecane (C14)

R.T.: 8.515 min
Delta R.T.: 0.000 min
Response: 3209513
Conc: 20.77 ug/ml



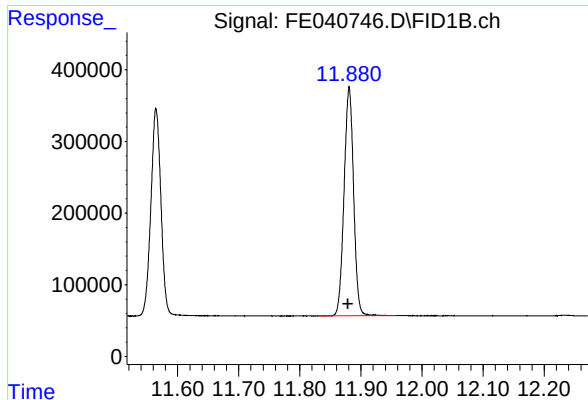
#7 n-Hexadecane (C16)

R.T.: 10.123 min
Delta R.T.: 0.000 min
Response: 3289125
Conc: 20.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.565 min
Delta R.T.: 0.001 min
Response: 3307761
Conc: 19.48 ug/ml



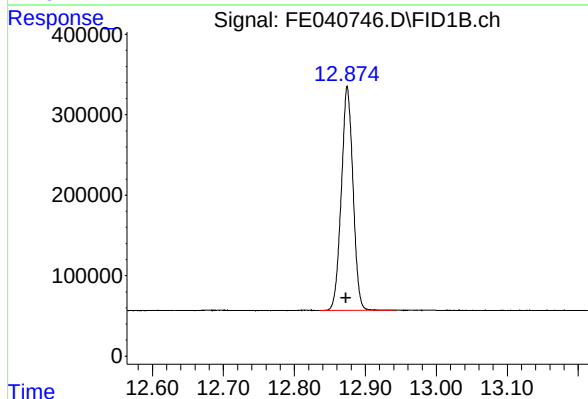
#9 ortho-Terphenyl (SURR)

R.T.: 11.881 min
Delta R.T.: 0.002 min
Response: 3462258
Conc: 18.53 ug/ml

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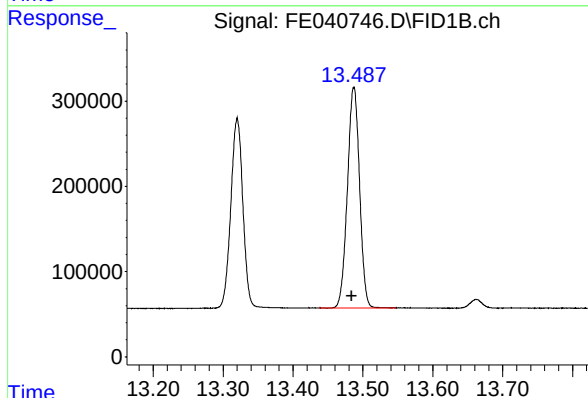
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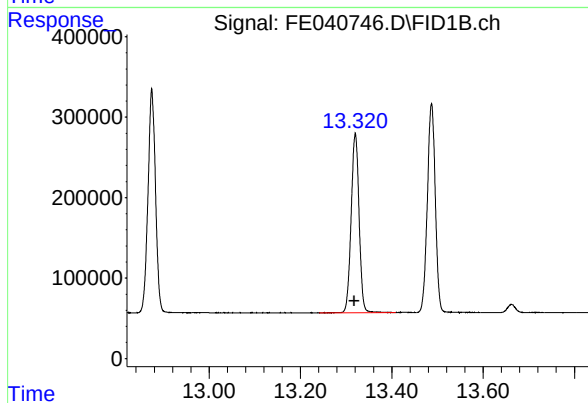
#10 n-Eicosane (C20)

R.T.: 12.875 min
Delta R.T.: 0.002 min
Response: 3185547
Conc: 18.83 ug/ml



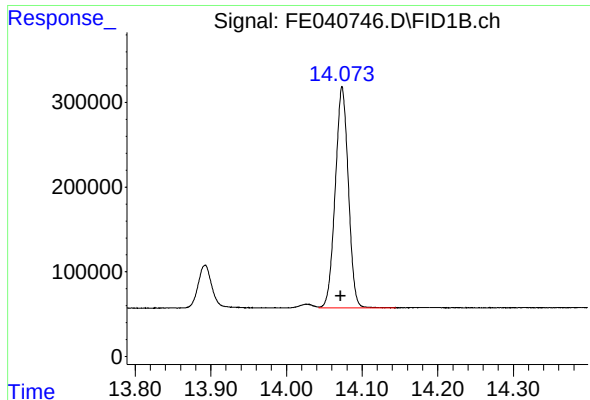
#11 n-Heneicosane (C21)

R.T.: 13.487 min
Delta R.T.: 0.003 min
Response: 3130854
Conc: 18.27 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.320 min
Delta R.T.: 0.002 min
Response: 2688026
Conc: 18.16 ug/ml



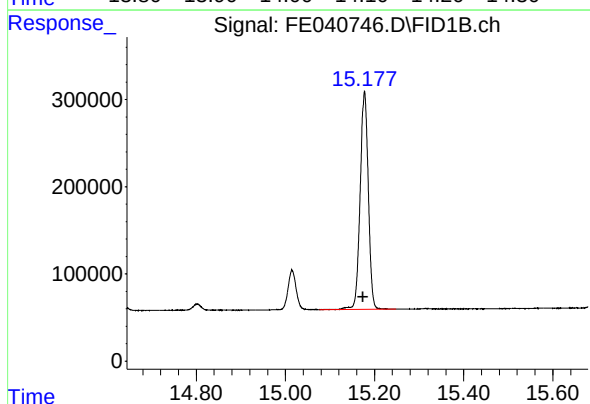
#13 n-Docosane (C22)

R.T.: 14.074 min
Delta R.T.: 0.002 min
Response: 3134485
Conc: 18.30 ug/ml

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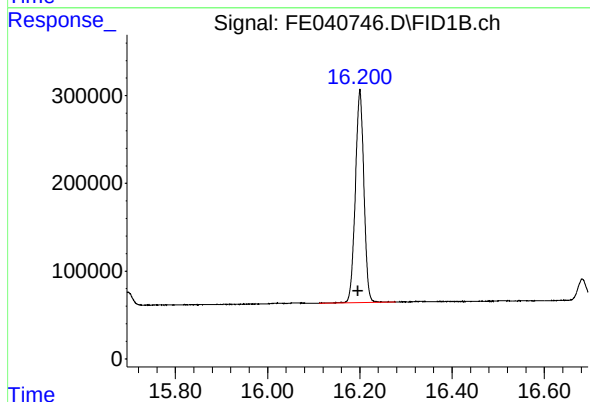
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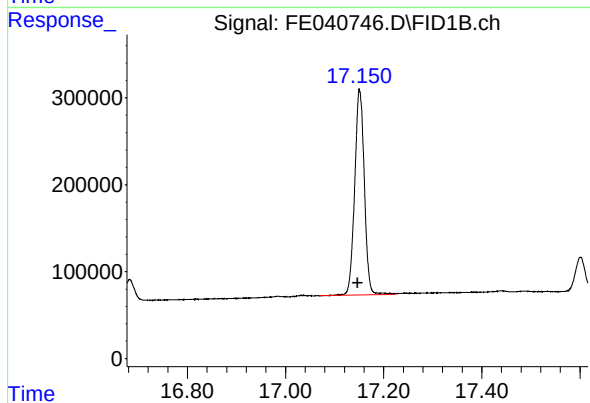
#14 n-Tetracosane (C24)

R.T.: 15.178 min
Delta R.T.: 0.003 min
Response: 3183216
Conc: 18.47 ug/ml



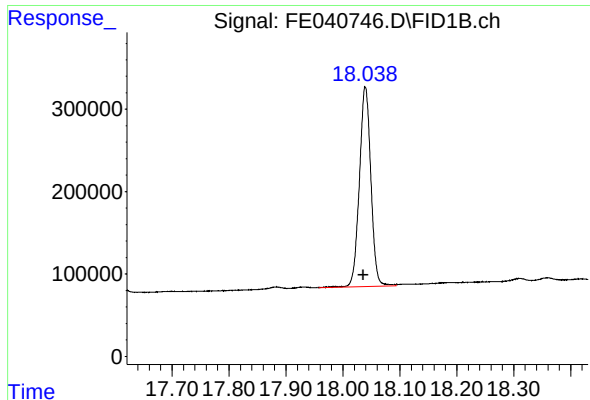
#15 n-Hexacosane (C26)

R.T.: 16.200 min
Delta R.T.: 0.004 min
Response: 3116438
Conc: 18.34 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.151 min
Delta R.T.: 0.003 min
Response: 3235117
Conc: 19.29 ug/ml



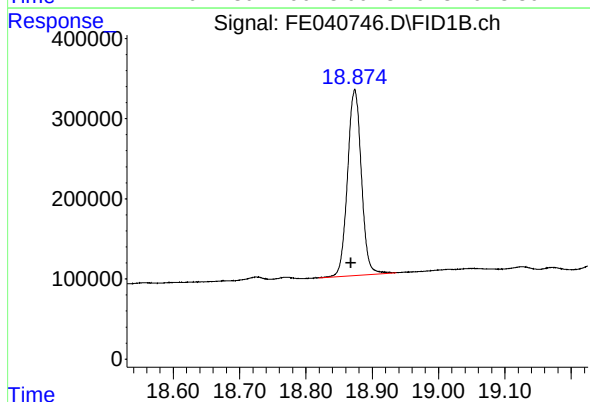
#17 n-Tricontane (C30)

R.T.: 18.039 min
Delta R.T.: 0.003 min
Response: 3399040
Conc: 20.82 ug/ml

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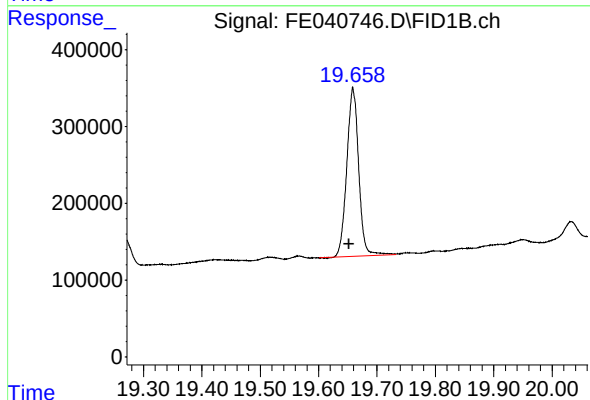
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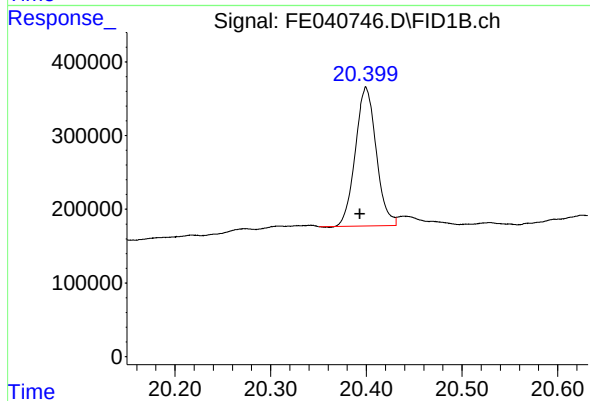
#18 n-Dotriacontane (C32)

R.T.: 18.874 min
Delta R.T.: 0.005 min
Response: 3373048
Conc: 19.71 ug/ml m



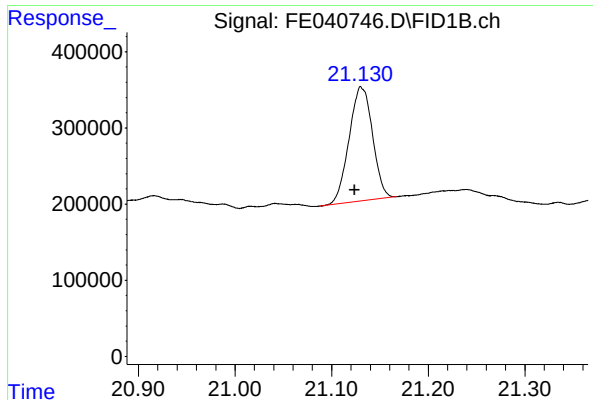
#19 n-Tetatriacontane (C34)

R.T.: 19.659 min
Delta R.T.: 0.007 min
Response: 3105975
Conc: 20.09 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.400 min
Delta R.T.: 0.007 min
Response: 2878048
Conc: 19.81 ug/ml



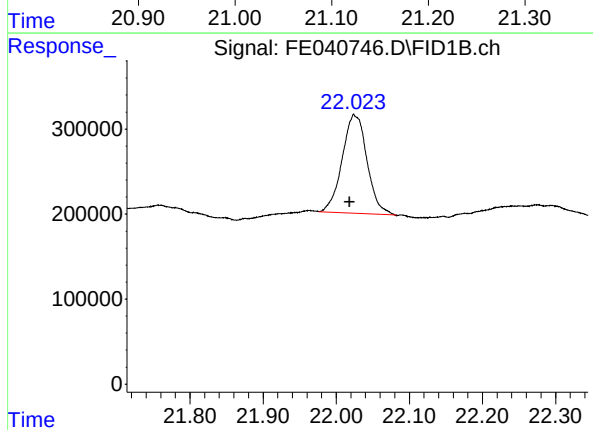
#21 n-Octatriacontane (C38)

R.T.: 21.130 min
Delta R.T.: 0.006 min
Response: 2513553
Conc: 18.29 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.023 min
Delta R.T.: 0.005 min
Response: 2736006
Conc: 17.71 ug/ml m