

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090722AL\
 Data File : FE037454.D
 Signal(s) : FID1B.ch
 Acq On : 08 Sep 2022 01:55
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/08/2022
 Supervised By :Ankita Jodhani 09/08/2022

Integration File: autoint1.e
 Quant Time: Sep 08 03:06:29 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 082922.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 30 06:54:11 2022
 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)	11.644	2995342	17.725 ug/ml
Spiked Amount 50.000		Recovery =	35.45%
12) S 1-chlorooctadecane (S...	13.068	2304890	17.909 ug/ml
Spiked Amount 50.000		Recovery =	35.82%
Target Compounds			
1) T n-Nonane (C9)	3.037	2816132	18.405 ug/ml
2) T n-Decane (C10)	4.295	2914580	18.904 ug/ml
3) T A~Naphthalene (C11.7)	6.010	2890955	20.066 ug/ml
4) T n-Dodecane (C12)	6.467	2973012	18.801 ug/ml
5) T A~2-methylnaphthalene...	7.104	2831749	20.283 ug/ml
6) T n-Tetradecane (C14)	9.886	2934075	18.517 ug/ml
7) T n-Hexadecane (C16)	9.886	2934075	18.517 ug/ml
8) T n-Octadecane (C18)	11.322	2890675	18.153 ug/ml
10) T n-Eicosane (C20)	12.625	2817427	17.807 ug/ml
11) T n-Heneicosane (C21)	13.234	2777819	17.616 ug/ml
13) T n-Docosane (C22)	13.817	2727822	17.523 ug/ml
14) T n-Tetracosane (C24)	14.916	2639782	17.551 ug/ml
15) T n-Hexacosane (C26)	15.932	2571254	17.757 ug/ml
16) T n-Octacosane (C28)	16.878	2550032	18.407 ug/ml
17) T n-Tricontane (C30)	17.761	2705419	19.888 ug/ml
18) T n-Dotriacontane (C32)	18.592	2824190	21.150 ug/ml
19) T n-Tetratriacontane (C34)	19.370	2748527	21.723 ug/mlm
20) T n-Hexatriacontane (C36)	20.106	2742298	21.322 ug/ml
21) T n-Octatriacontane (C38)	20.804	2641492	21.224 ug/ml
22) T n-Tetracontane (C40)	21.589	2882563	22.360 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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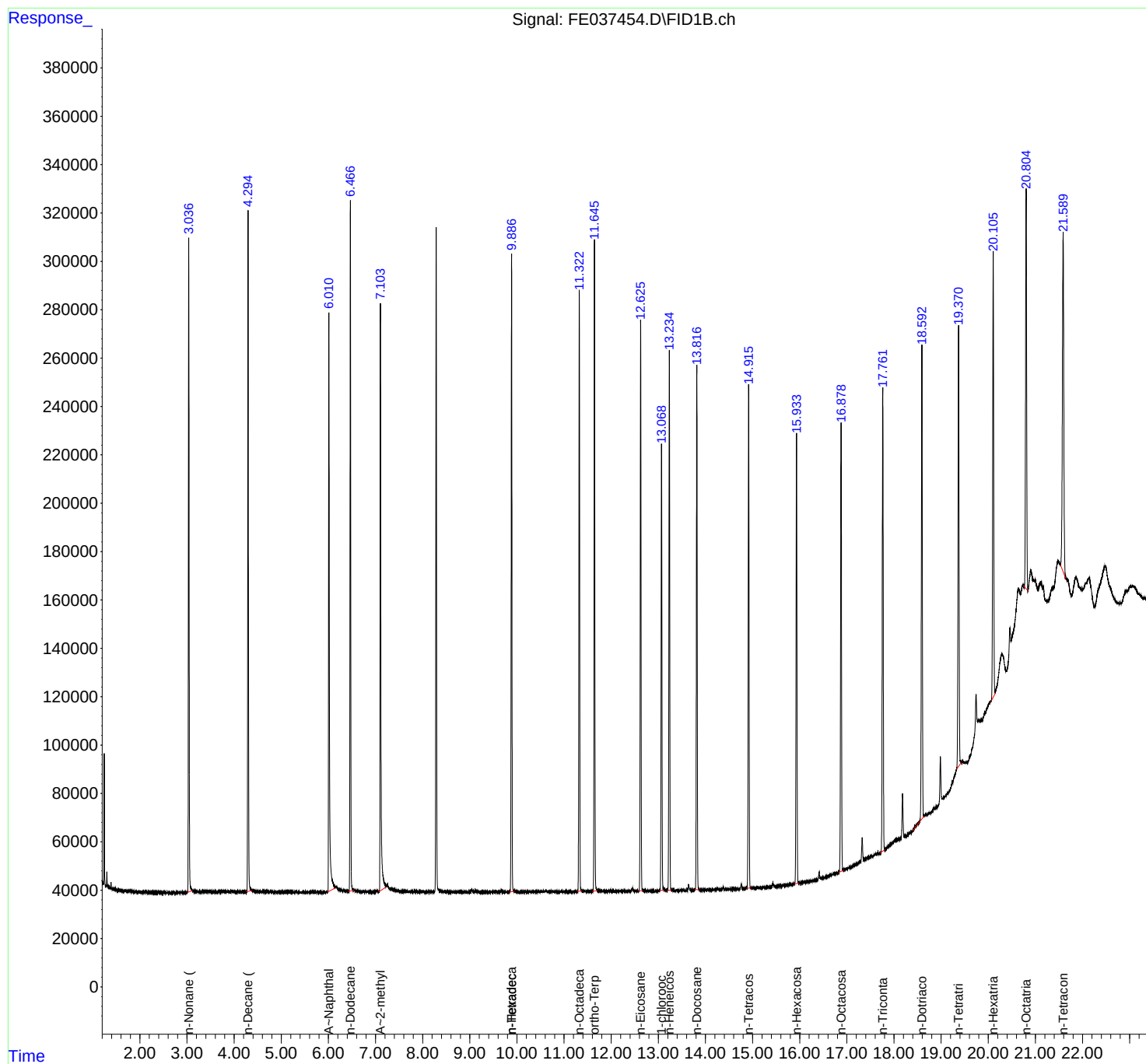
Instrument :
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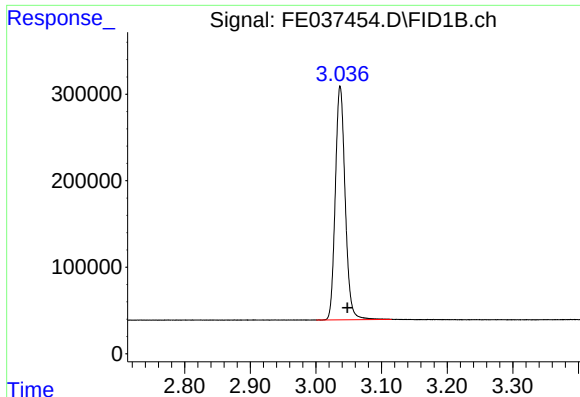
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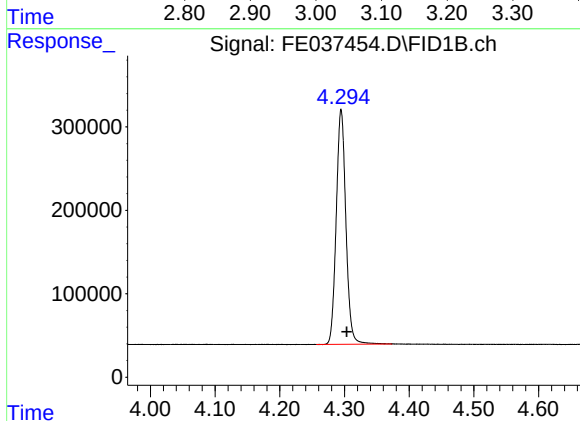
#1 n-Nonane (C9)

R.T.: 3.037 min
Delta R.T.: -0.011 min
Response: 2816132
Conc: 18.41 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

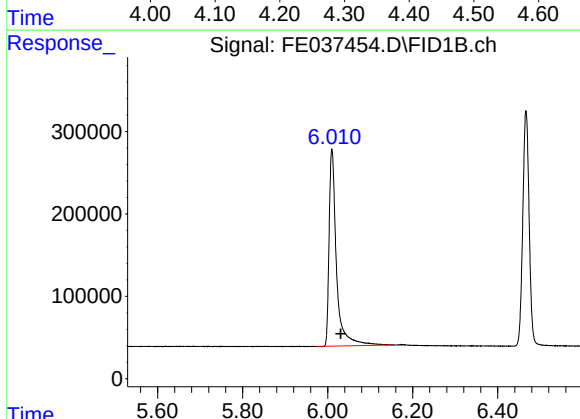
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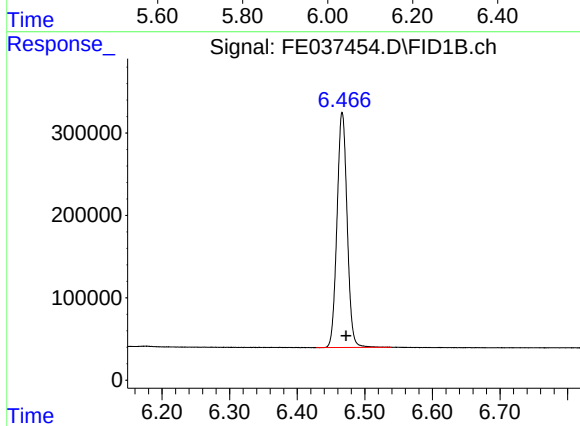
#2 n-Decane (C10)

R.T.: 4.295 min
Delta R.T.: -0.008 min
Response: 2914580
Conc: 18.90 ug/ml



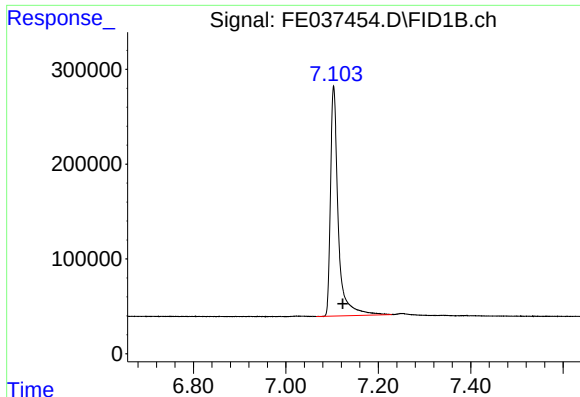
#3 A~Naphthalene (C11.7)

R.T.: 6.010 min
Delta R.T.: -0.021 min
Response: 2890955
Conc: 20.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.467 min
Delta R.T.: -0.006 min
Response: 2973012
Conc: 18.80 ug/ml



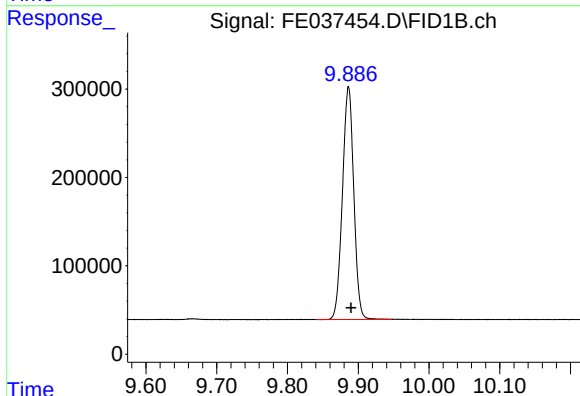
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.104 min
Delta R.T.: -0.020 min
Response: 2831749
Conc: 20.28 ug/ml

Instrument :
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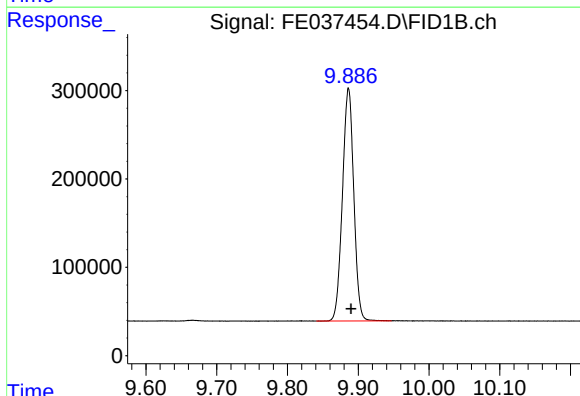
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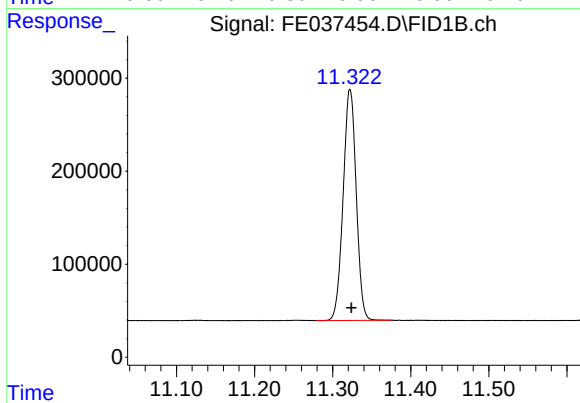
#6 n-Tetradecane (C14)

R.T.: 9.886 min
Delta R.T.: -0.003 min
Response: 2934075
Conc: 18.52 ug/ml



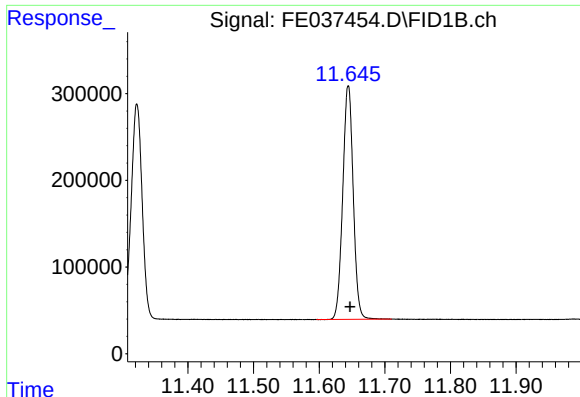
#7 n-Hexadecane (C16)

R.T.: 9.886 min
Delta R.T.: -0.003 min
Response: 2934075
Conc: 18.52 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.322 min
Delta R.T.: -0.002 min
Response: 2890675
Conc: 18.15 ug/ml



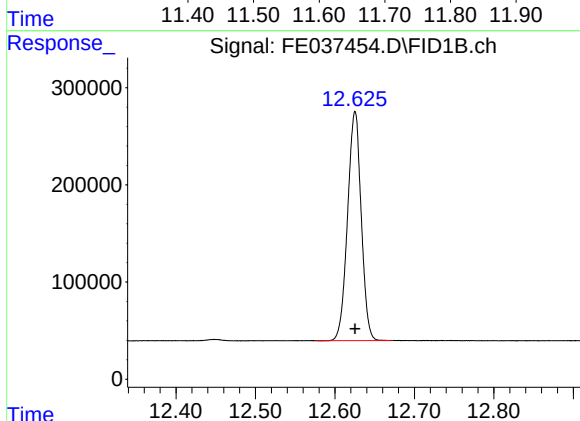
#9 ortho-Terphenyl (SURR)

R.T.: 11.644 min
Delta R.T.: -0.003 min
Response: 2995342
Conc: 17.72 ug/ml

Instrument :
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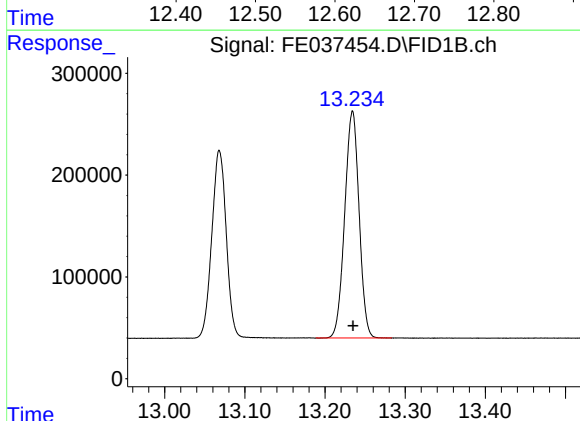
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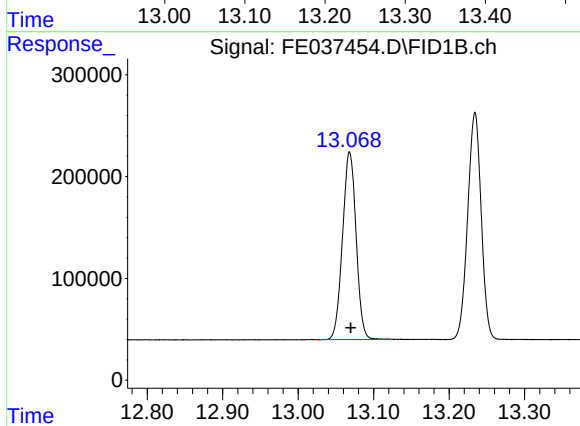
#10 n-Eicosane (C20)

R.T.: 12.625 min
Delta R.T.: 0.000 min
Response: 2817427
Conc: 17.81 ug/ml



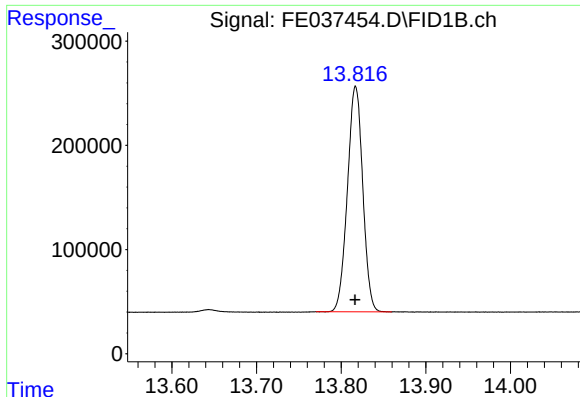
#11 n-Heneicosane (C21)

R.T.: 13.234 min
Delta R.T.: 0.000 min
Response: 2777819
Conc: 17.62 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.068 min
Delta R.T.: -0.002 min
Response: 2304890
Conc: 17.91 ug/ml



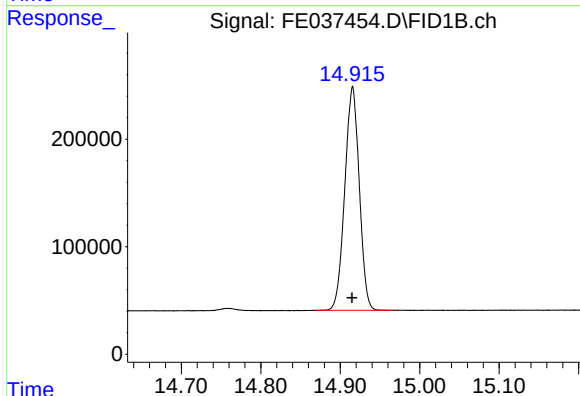
#13 n-Docosane (C22)

R.T.: 13.817 min
Delta R.T.: 0.000 min
Response: 2727822
Conc: 17.52 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

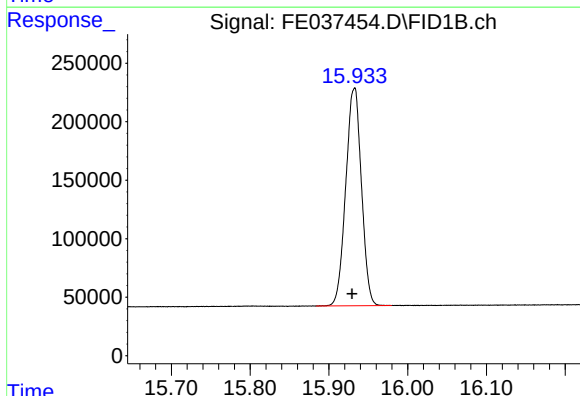
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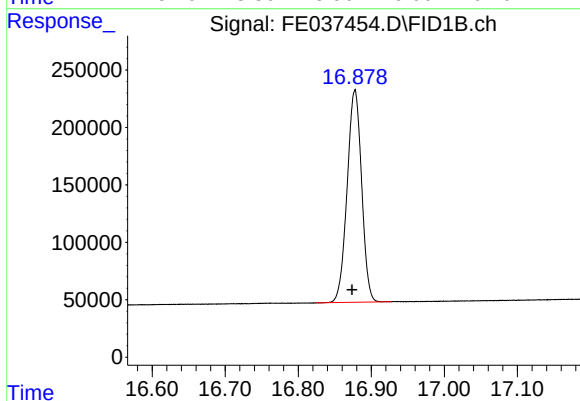
#14 n-Tetracosane (C24)

R.T.: 14.916 min
Delta R.T.: 0.000 min
Response: 2639782
Conc: 17.55 ug/ml



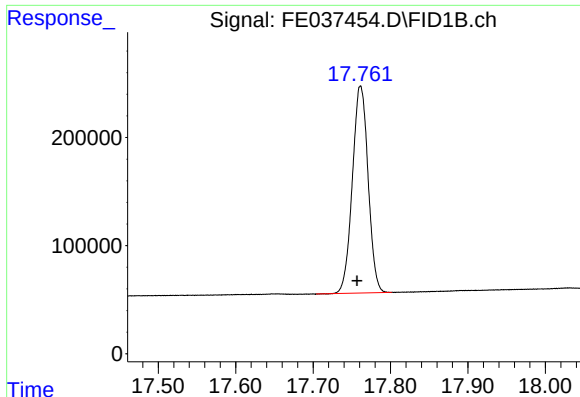
#15 n-Hexacosane (C26)

R.T.: 15.932 min
Delta R.T.: 0.003 min
Response: 2571254
Conc: 17.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.878 min
Delta R.T.: 0.004 min
Response: 2550032
Conc: 18.41 ug/ml



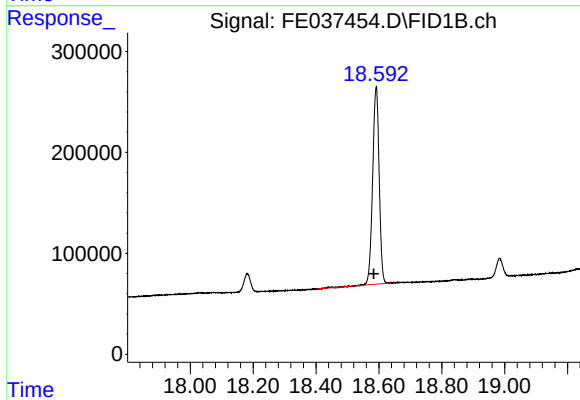
#17 n-Tricontane (C30)

R.T.: 17.761 min
Delta R.T.: 0.004 min
Response: 2705419
Conc: 19.89 ug/ml

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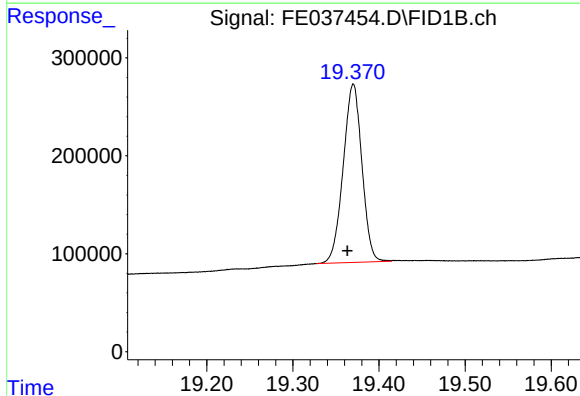
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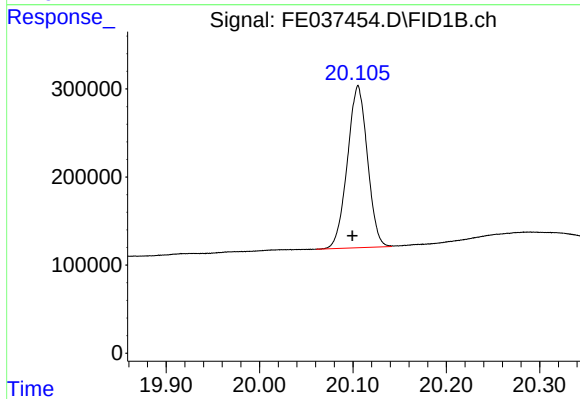
#18 n-Dotriacontane (C32)

R.T.: 18.592 min
Delta R.T.: 0.007 min
Response: 2824190
Conc: 21.15 ug/ml



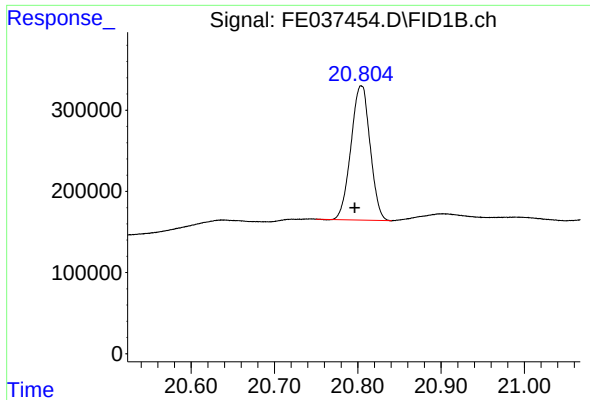
#19 n-Tetratriacontane (C34)

R.T.: 19.370 min
Delta R.T.: 0.006 min
Response: 2748527
Conc: 21.72 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.106 min
Delta R.T.: 0.006 min
Response: 2742298
Conc: 21.32 ug/ml



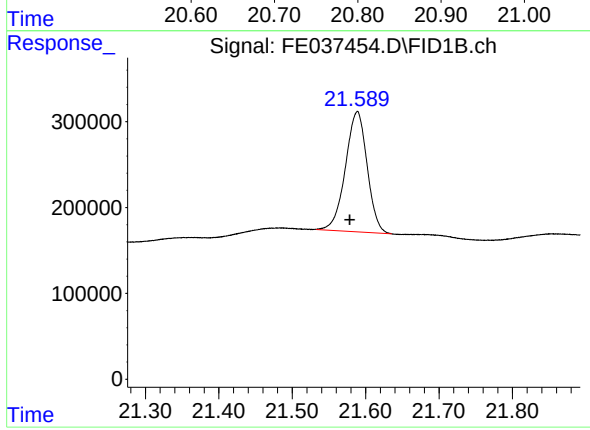
#21 n-Octatriacontane (C38)

R.T.: 20.804 min
Delta R.T.: 0.008 min
Response: 2641492
Conc: 21.22 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.589 min
Delta R.T.: 0.010 min
Response: 2882563
Conc: 22.36 ug/ml m