

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032923AL\
 Data File : FE041067.D
 Signal(s) : FID1B.ch
 Acq On : 29 Mar 2023 11:53
 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 03/30/2023
 Supervised By :Ankita Jodhani 03/30/2023

Integration File: autoint1.e
 Quant Time: Mar 30 01:43:52 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 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)	11.854	3724963	19.820 ug/ml
Spiked Amount 50.000		Recovery =	39.64%
12) S 1-chlorooctadecane (S...	13.293	2844881	19.773 ug/ml
Spiked Amount 50.000		Recovery =	39.55%
Target Compounds			
1) T n-Nonane (C9)	3.253	3400097	19.596 ug/ml
2) T n-Decane (C10)	4.500	3363344	19.759 ug/ml
3) T A~Naphthalene (C11.7)	6.202	3726042	20.371 ug/ml
4) T n-Dodecane (C12)	6.664	3416218	19.694 ug/ml
5) T A~2-methylnaphthalene...	7.297	3505406	21.166 ug/ml
6) T n-Tetradecane (C14)	8.491	3445211	19.759 ug/ml
7) T n-Hexadecane (C16)	10.097	3508856	19.729 ug/ml
8) T n-Octadecane (C18)	11.539	3522526	19.728 ug/ml
10) T n-Eicosane (C20)	12.848	3359572	19.696 ug/ml
11) T n-Heneicosane (C21)	13.461	3324076	19.648 ug/ml
13) T n-Docosane (C22)	14.047	3254521	19.667 ug/ml
14) T n-Tetracosane (C24)	15.151	3175083	19.625 ug/ml
15) T n-Hexacosane (C26)	16.173	3048371	19.665 ug/ml
16) T n-Octacosane (C28)	17.125	3030111	19.781 ug/ml
17) T n-Tricontane (C30)	18.013	3042032	19.901 ug/ml
18) T n-Dotriacontane (C32)	18.847	3099276	19.851 ug/ml
19) T n-Tetratriacontane (C34)	19.633	3086919	19.920 ug/mlm
20) T n-Hexatriacontane (C36)	20.373	3053786	20.104 ug/mlm
21) T n-Octatriacontane (C38)	21.099	3119281	19.967 ug/mlm
22) T n-Tetracontane (C40)	21.984	3203897	20.074 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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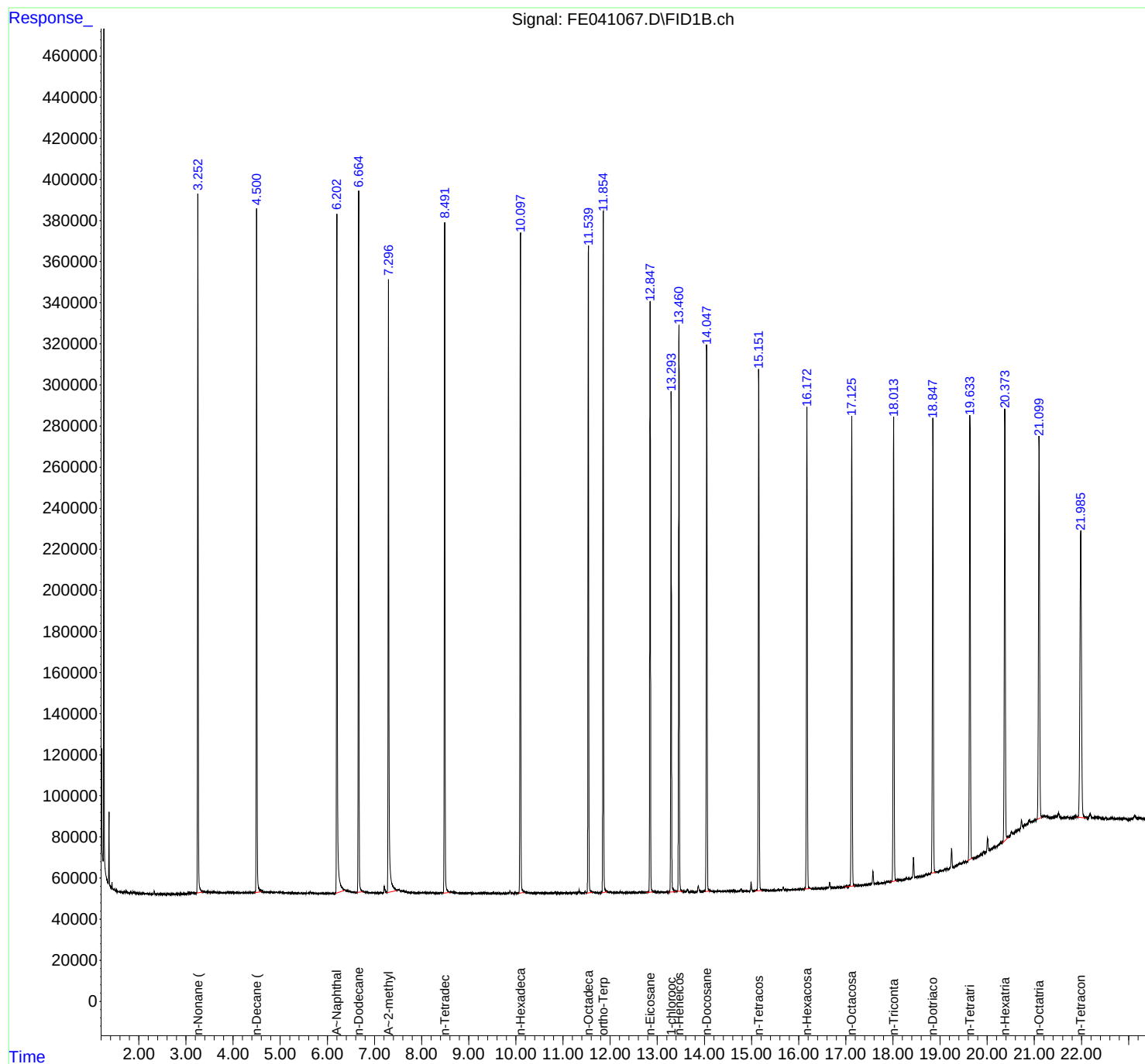
Instrument :
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20 PPM ALIPHATIC HC STD

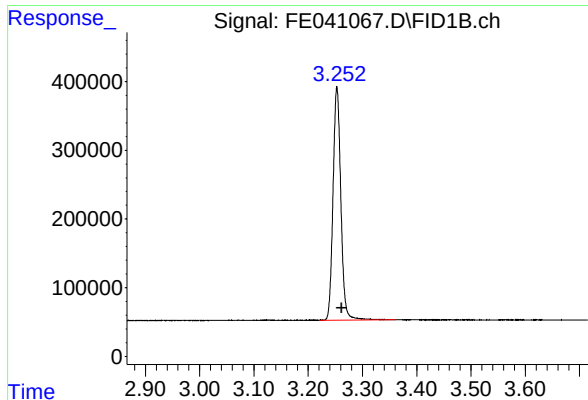
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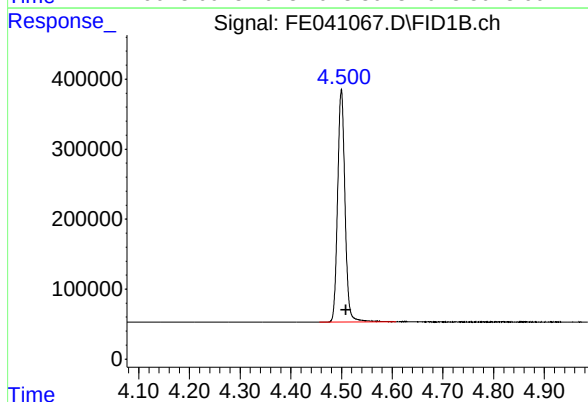
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: -0.009 min
Response: 3400097
Conc: 19.60 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

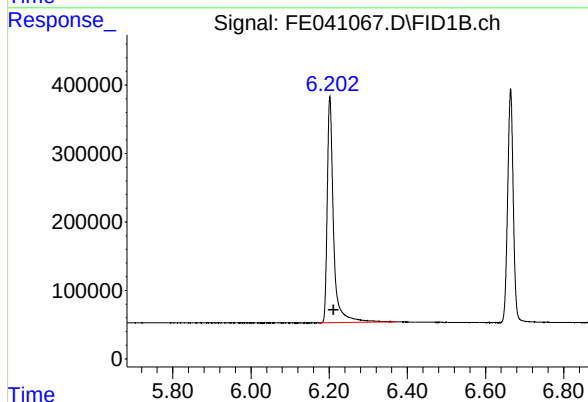
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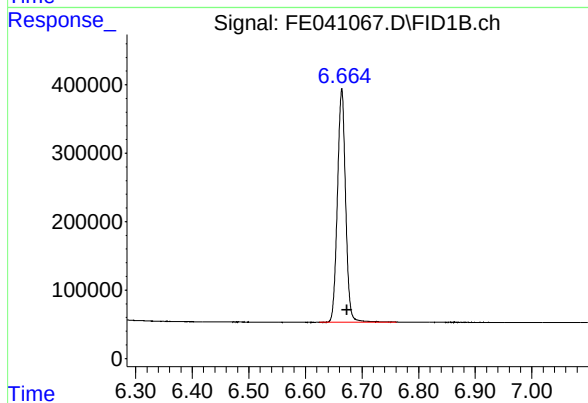
#2 n-Decane (C10)

R.T.: 4.500 min
Delta R.T.: -0.009 min
Response: 3363344
Conc: 19.76 ug/ml



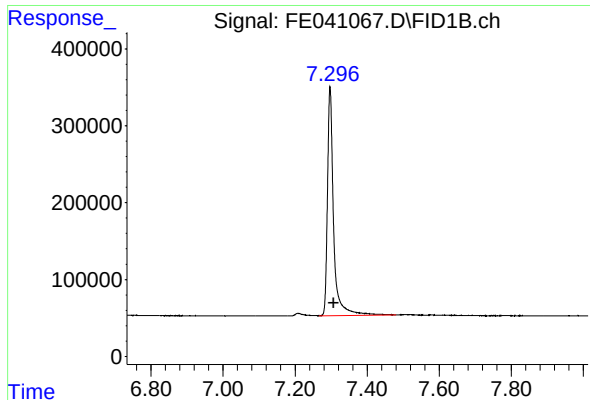
#3 A~Naphthalene (C11.7)

R.T.: 6.202 min
Delta R.T.: -0.010 min
Response: 3726042
Conc: 20.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.664 min
Delta R.T.: -0.009 min
Response: 3416218
Conc: 19.69 ug/ml



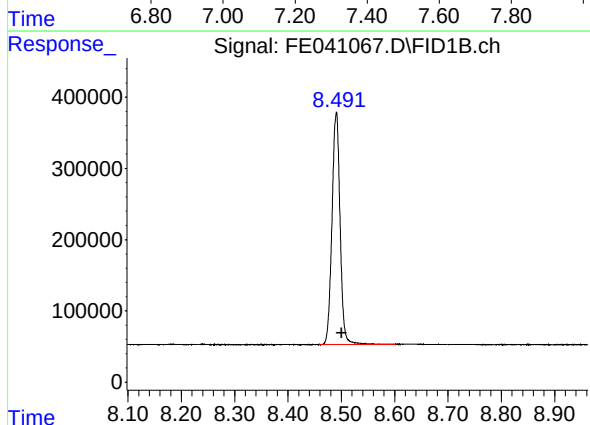
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.297 min
Delta R.T.: -0.010 min
Response: 3505406
Conc: 21.17 ug/ml

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20 PPM ALIPHATIC HC STD

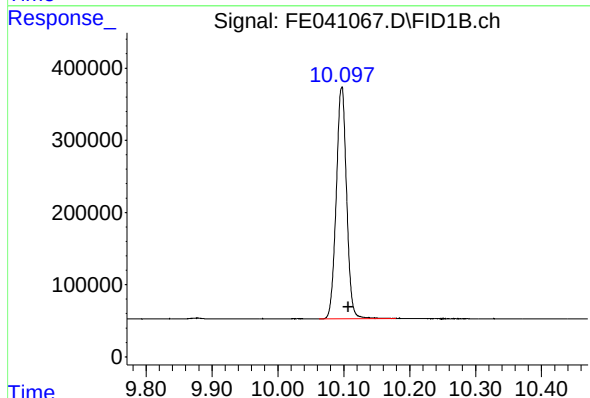
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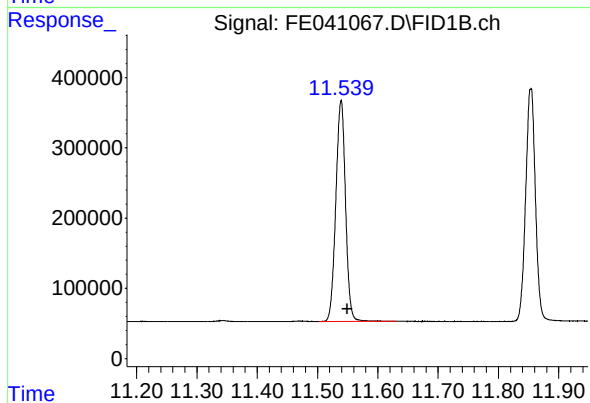
#6 n-Tetradecane (C14)

R.T.: 8.491 min
Delta R.T.: -0.010 min
Response: 3445211
Conc: 19.76 ug/ml



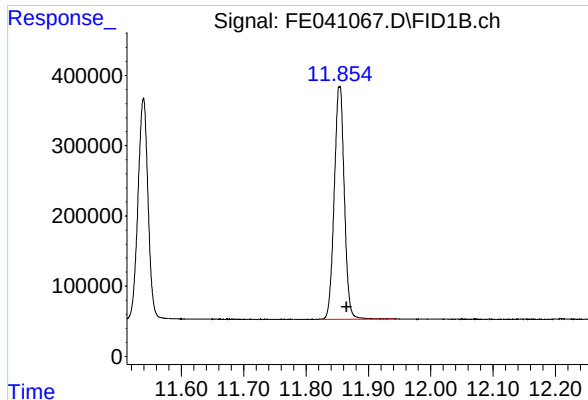
#7 n-Hexadecane (C16)

R.T.: 10.097 min
Delta R.T.: -0.010 min
Response: 3508856
Conc: 19.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.539 min
Delta R.T.: -0.010 min
Response: 3522526
Conc: 19.73 ug/ml



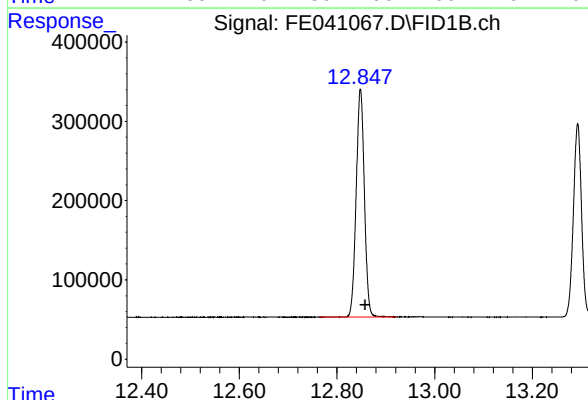
#9 ortho-Terphenyl (SURR)

R.T.: 11.854 min
Delta R.T.: -0.011 min
Response: 3724963
Conc: 19.82 ug/ml

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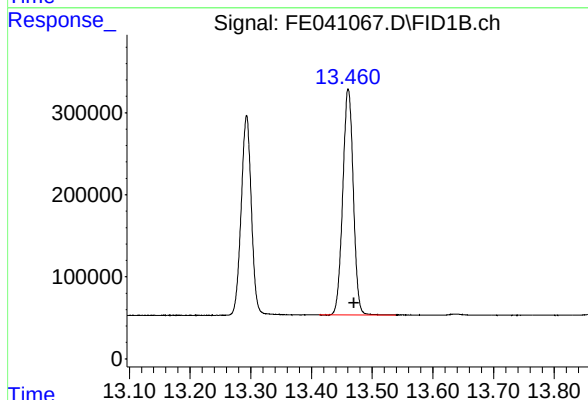
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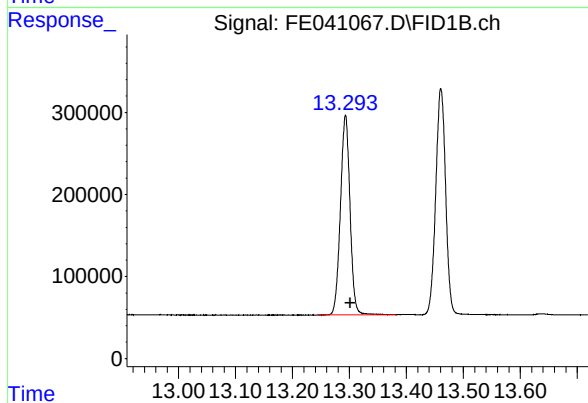
#10 n-Eicosane (C20)

R.T.: 12.848 min
Delta R.T.: -0.010 min
Response: 3359572
Conc: 19.70 ug/ml



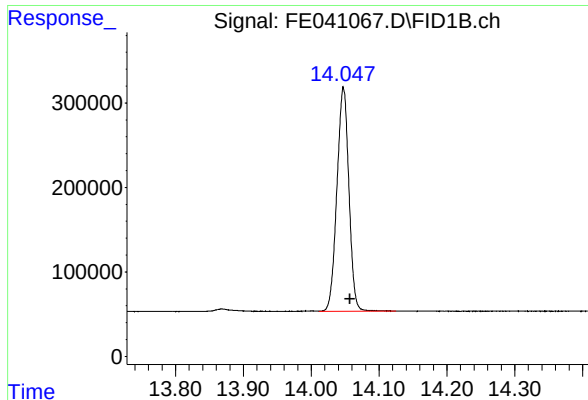
#11 n-Heneicosane (C21)

R.T.: 13.461 min
Delta R.T.: -0.009 min
Response: 3324076
Conc: 19.65 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.293 min
Delta R.T.: -0.009 min
Response: 2844881
Conc: 19.77 ug/ml



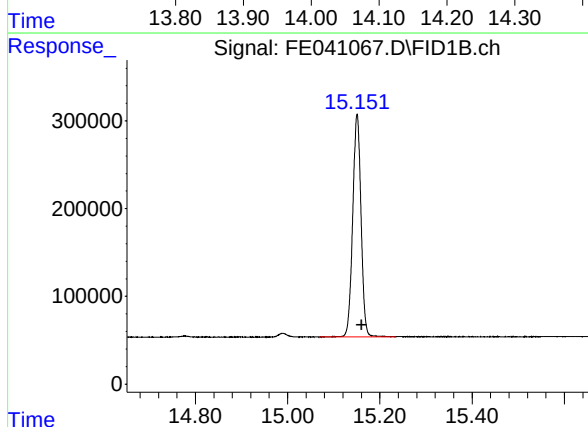
#13 n-Docosane (C22)

R.T.: 14.047 min
Delta R.T.: -0.010 min
Response: 3254521
Conc: 19.67 ug/ml

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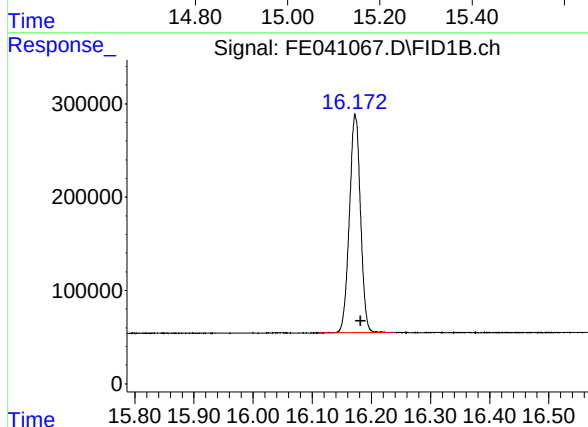
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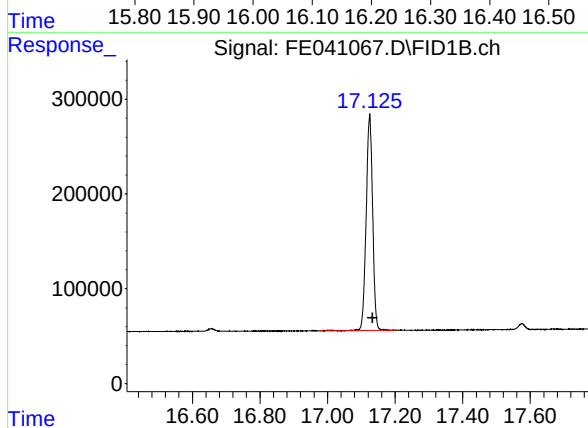
#14 n-Tetracosane (C24)

R.T.: 15.151 min
Delta R.T.: -0.010 min
Response: 3175083
Conc: 19.63 ug/ml



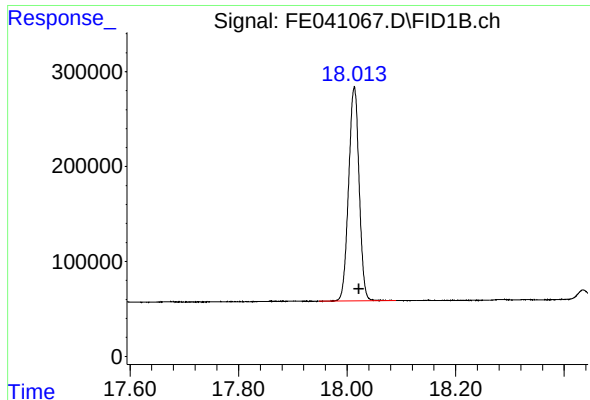
#15 n-Hexacosane (C26)

R.T.: 16.173 min
Delta R.T.: -0.009 min
Response: 3048371
Conc: 19.66 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.125 min
Delta R.T.: -0.008 min
Response: 3030111
Conc: 19.78 ug/ml



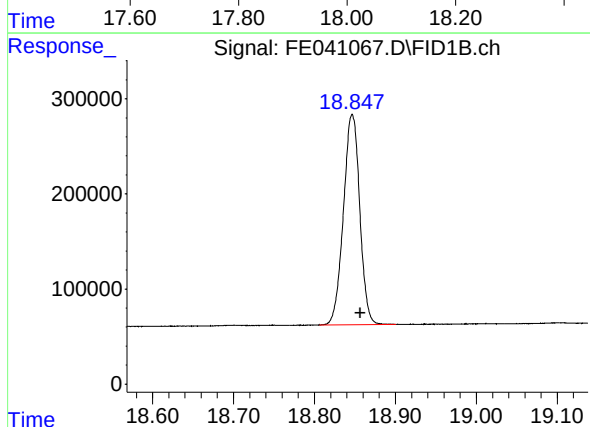
#17 n-Tricontane (C30)

R.T.: 18.013 min
Delta R.T.: -0.009 min
Response: 3042032
Conc: 19.90 ug/ml

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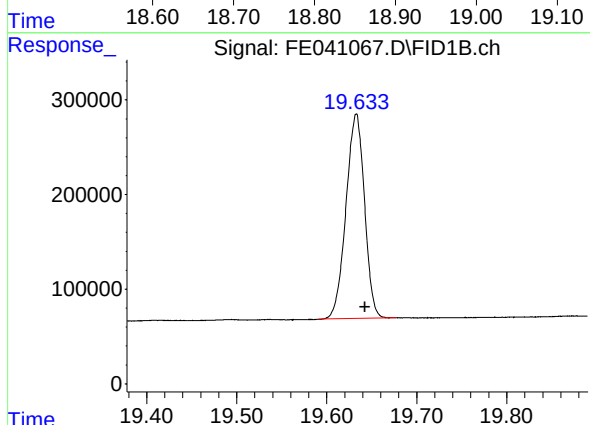
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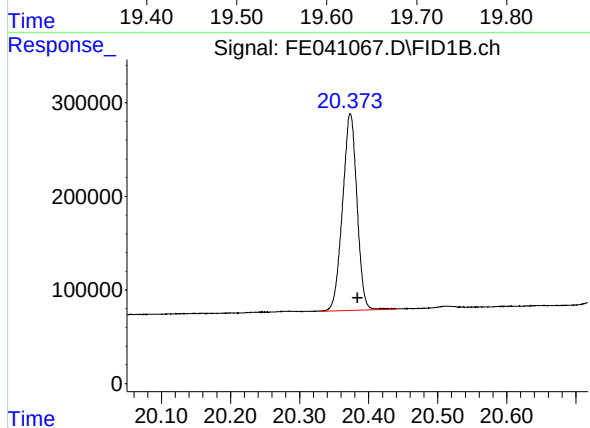
#18 n-Dotriacontane (C32)

R.T.: 18.847 min
Delta R.T.: -0.010 min
Response: 3099276
Conc: 19.85 ug/ml



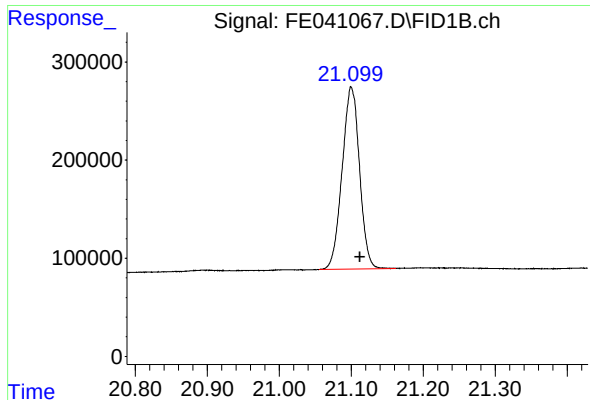
#19 n-Tetatriacontane (C34)

R.T.: 19.633 min
Delta R.T.: -0.009 min
Response: 3086919
Conc: 19.92 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.373 min
Delta R.T.: -0.011 min
Response: 3053786
Conc: 20.10 ug/ml m



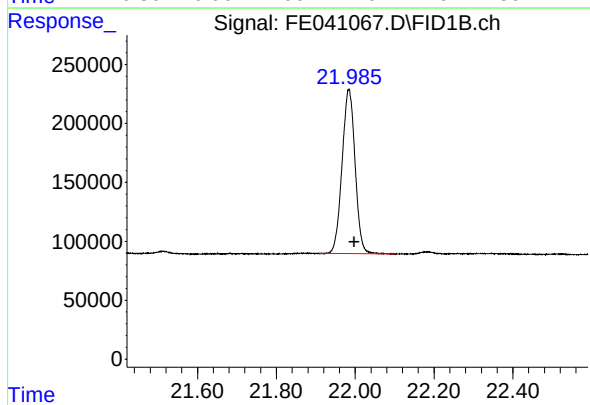
#21 n-Octatriacontane (C38)

R.T.: 21.099 min
Delta R.T.: -0.013 min
Response: 3119281
Conc: 19.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.984 min
Delta R.T.: -0.014 min
Response: 3203897
Conc: 20.07 ug/ml