

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE113023AL\
 Data File : FE045604.D
 Signal(s) : FID1B.ch
 Acq On : 30 Nov 2023 20:53
 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 12/01/2023
 Supervised By :Ankita Jodhani 12/01/2023

Integration File: autoint1.e
 Quant Time: Nov 30 23:27:31 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:25:07 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)	11.862	3975531	19.011 ug/ml
Spiked Amount 50.000		Recovery =	38.02%
12) S 1-chlorooctadecane (S...	13.306	2966749	18.855 ug/ml
Spiked Amount 50.000		Recovery =	37.71%
Target Compounds			
1) T n-Nonane (C9)	3.251	3134372	19.766 ug/ml
2) T n-Decane (C10)	4.502	3179712	19.857 ug/ml
3) T A~Naphthalene (C11.7)	6.201	3476556	19.958 ug/ml
4) T n-Dodecane (C12)	6.668	3232025	20.009 ug/ml
5) T A~2-methylnaphthalene...	7.297	3401598	20.031 ug/ml
6) T n-Tetradecane (C14)	8.495	3208112	19.998 ug/ml
7) T n-Hexadecane (C16)	10.104	3282029	19.820 ug/ml
8) T n-Octadecane (C18)	11.550	3332212	19.436 ug/ml
10) T n-Eicosane (C20)	12.861	3274254	18.924 ug/ml
11) T n-Heneicosane (C21)	13.475	3231919	18.787 ug/ml
13) T n-Docosane (C22)	14.062	3202897	18.576 ug/ml
14) T n-Tetracosane (C24)	15.166	3154435	18.069 ug/ml
15) T n-Hexacosane (C26)	16.190	3059945	17.570 ug/ml
16) T n-Octacosane (C28)	17.141	2950936	17.074 ug/ml
17) T n-Tricontane (C30)	18.030	2903851	16.598 ug/ml
18) T n-Dotriacontane (C32)	18.864	3101307	16.999 ug/ml
19) T n-Tetratriacontane (C34)	19.649	2810393	16.937 ug/ml
20) T n-Hexatriacontane (C36)	20.390	2623995	16.530 ug/mlm
21) T n-Octatriacontane (C38)	21.126	2719966	17.345 ug/ml
22) T n-Tetracontane (C40)	22.028	2557939	17.999 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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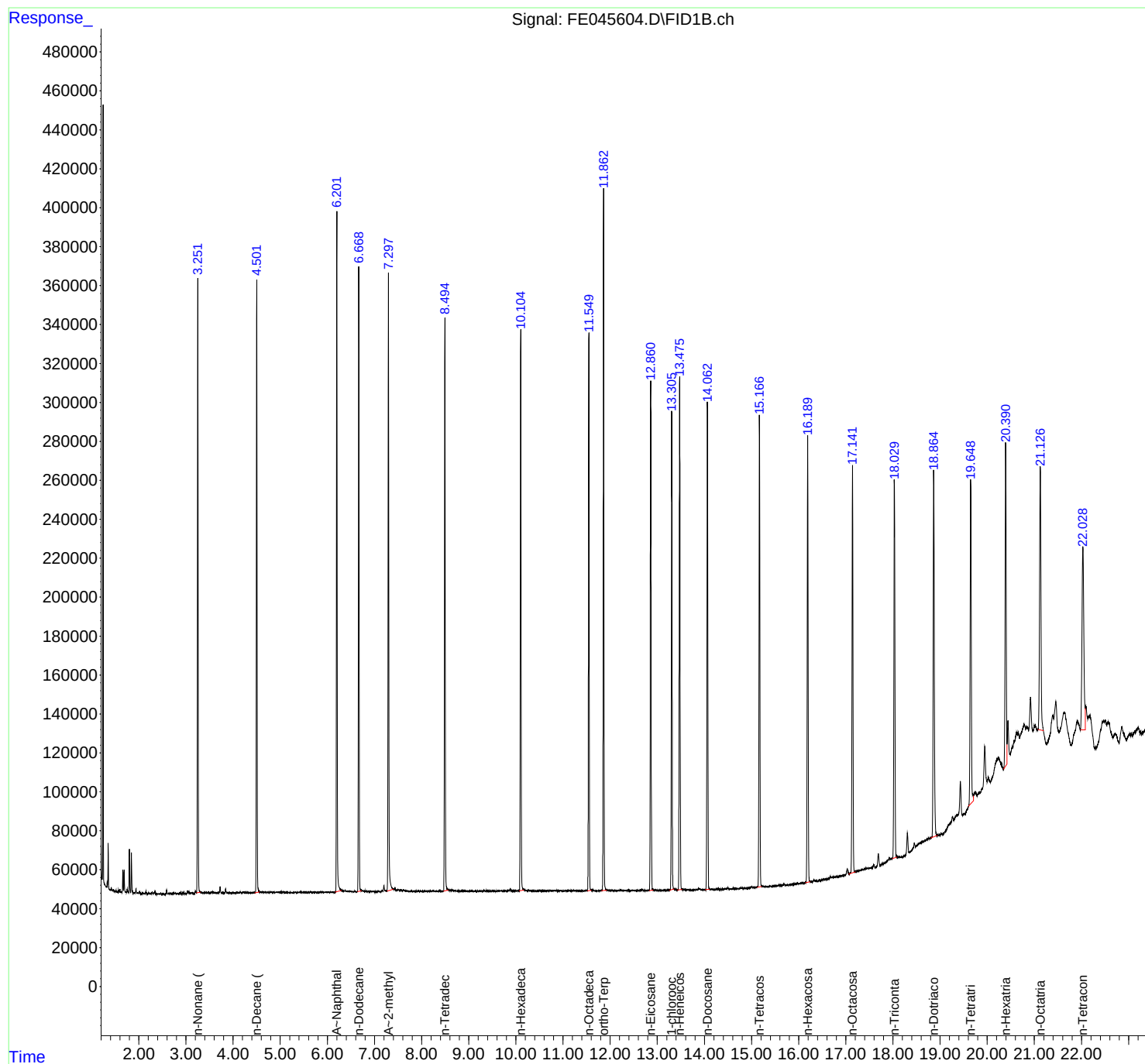
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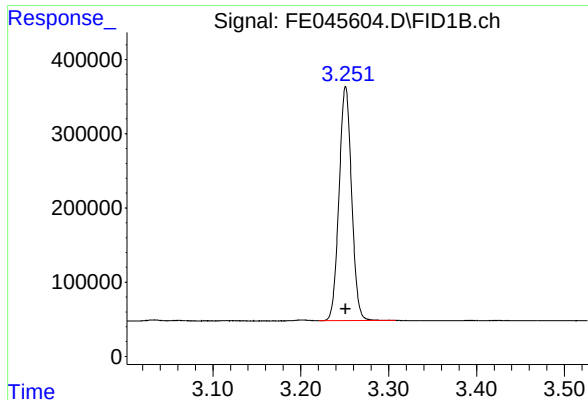
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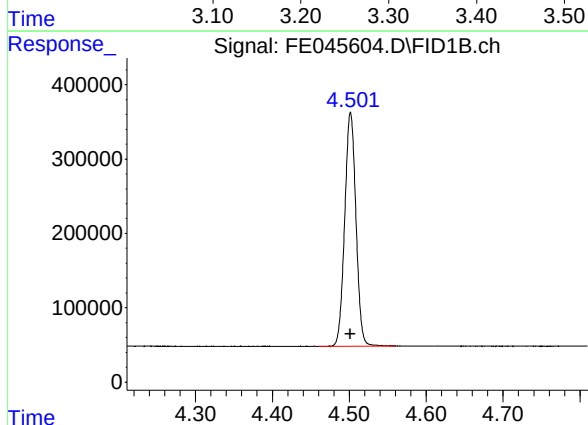
#1 n-Nonane (C9)

R.T.: 3.251 min
Delta R.T.: 0.000 min
Response: 3134372
Conc: 19.77 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

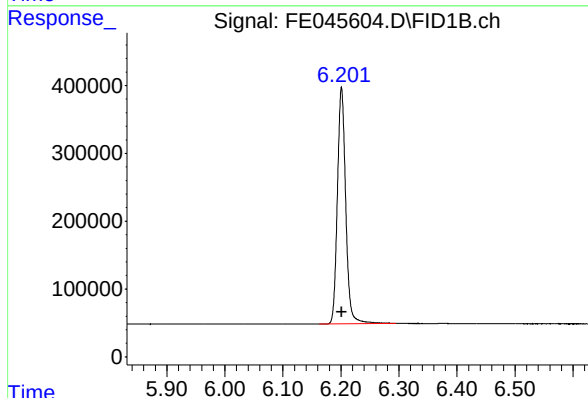
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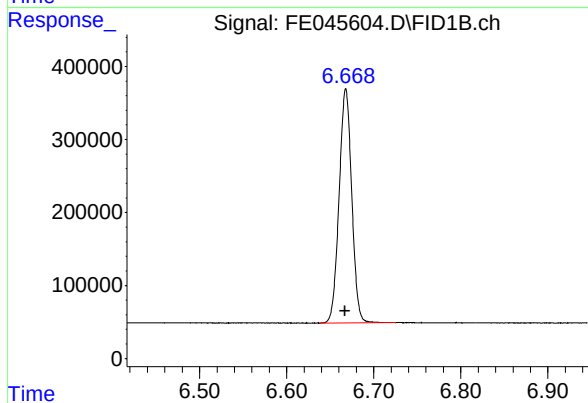
#2 n-Decane (C10)

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 3179712
Conc: 19.86 ug/ml



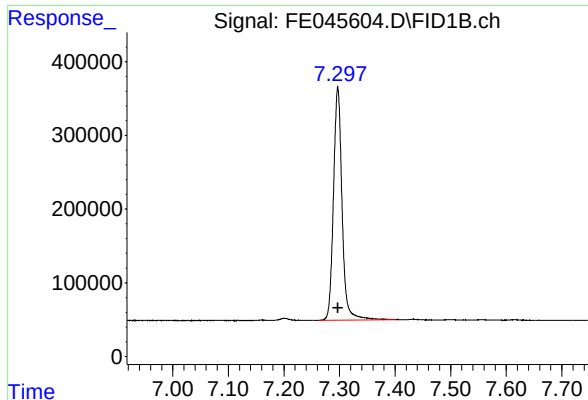
#3 A~Naphthalene (C11.7)

R.T.: 6.201 min
Delta R.T.: 0.000 min
Response: 3476556
Conc: 19.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.668 min
Delta R.T.: 0.000 min
Response: 3232025
Conc: 20.01 ug/ml



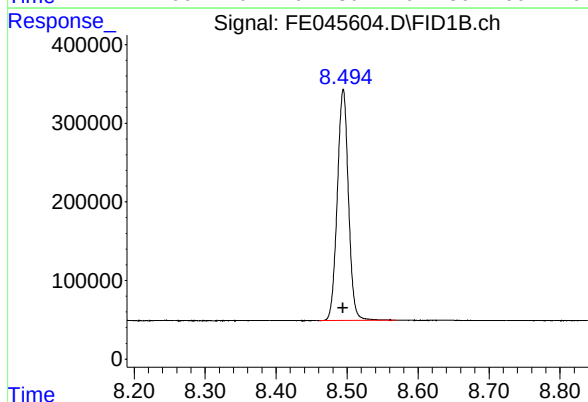
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.297 min
Delta R.T.: 0.000 min
Response: 3401598
Conc: 20.03 ug/ml

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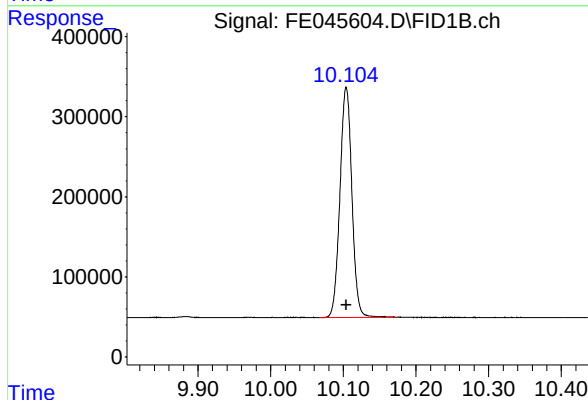
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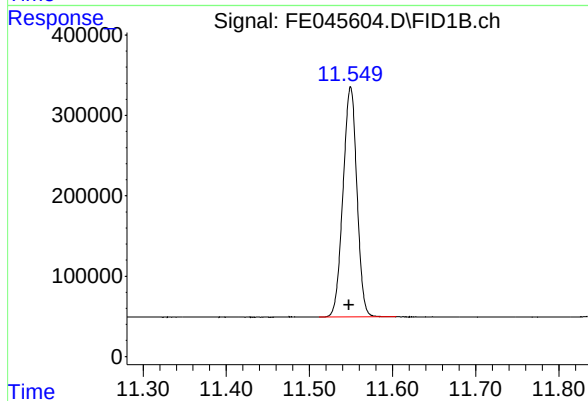
#6 n-Tetradecane (C14)

R.T.: 8.495 min
Delta R.T.: 0.000 min
Response: 3208112
Conc: 20.00 ug/ml



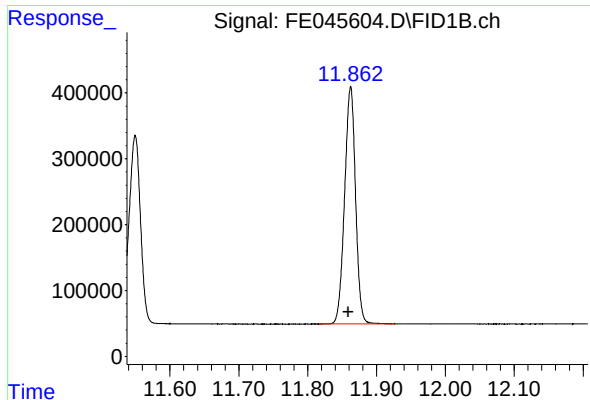
#7 n-Hexadecane (C16)

R.T.: 10.104 min
Delta R.T.: 0.000 min
Response: 3282029
Conc: 19.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.550 min
Delta R.T.: 0.002 min
Response: 3332212
Conc: 19.44 ug/ml



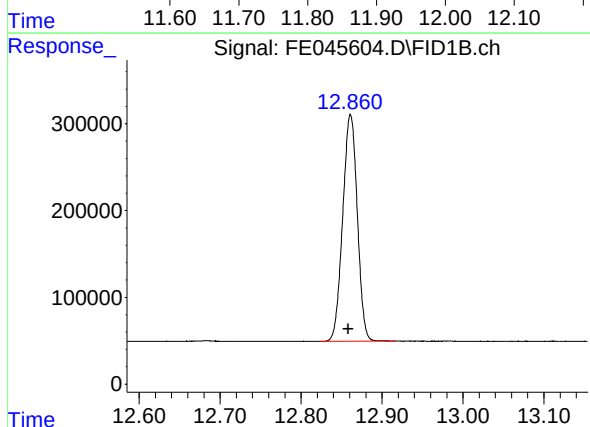
#9 ortho-Terphenyl (SURR)

R.T.: 11.862 min
Delta R.T.: 0.003 min
Response: 3975531
Conc: 19.01 ug/ml

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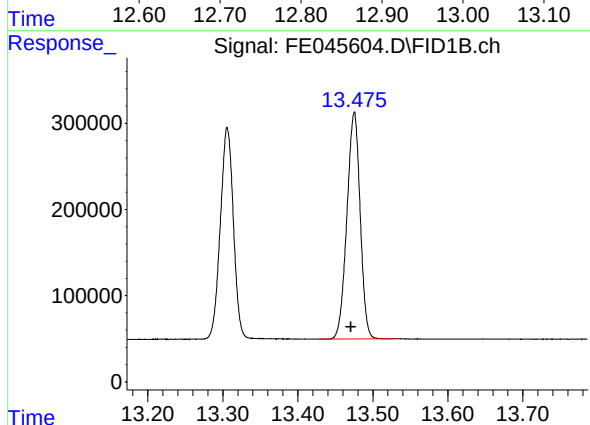
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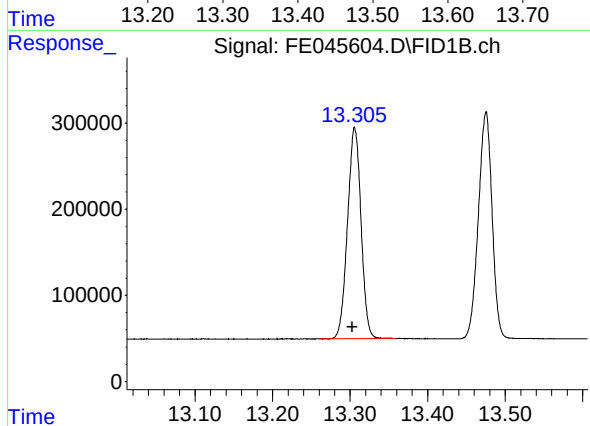
#10 n-Eicosane (C20)

R.T.: 12.861 min
Delta R.T.: 0.003 min
Response: 3274254
Conc: 18.92 ug/ml



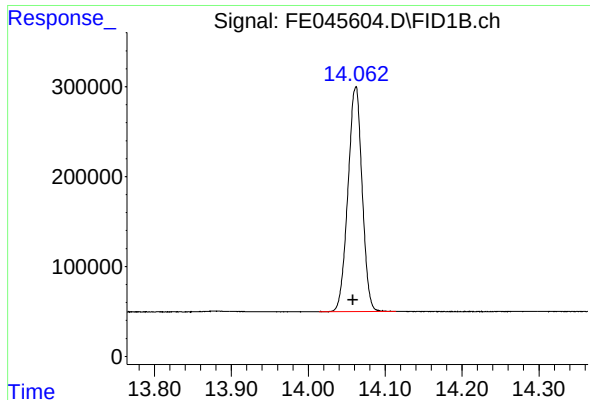
#11 n-Heneicosane (C21)

R.T.: 13.475 min
Delta R.T.: 0.004 min
Response: 3231919
Conc: 18.79 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.306 min
Delta R.T.: 0.003 min
Response: 2966749
Conc: 18.85 ug/ml



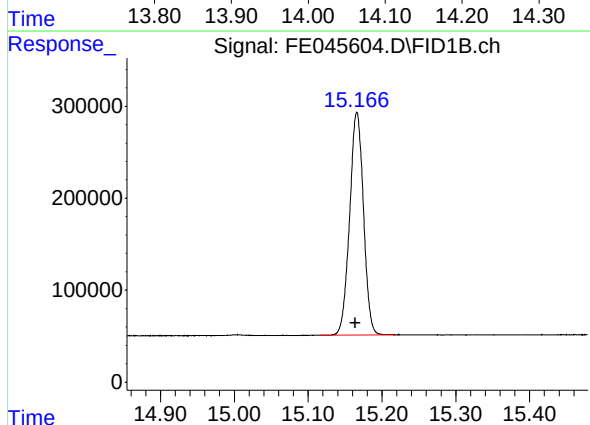
#13 n-Docosane (C22)

R.T.: 14.062 min
Delta R.T.: 0.004 min
Response: 3202897
Conc: 18.58 ug/ml

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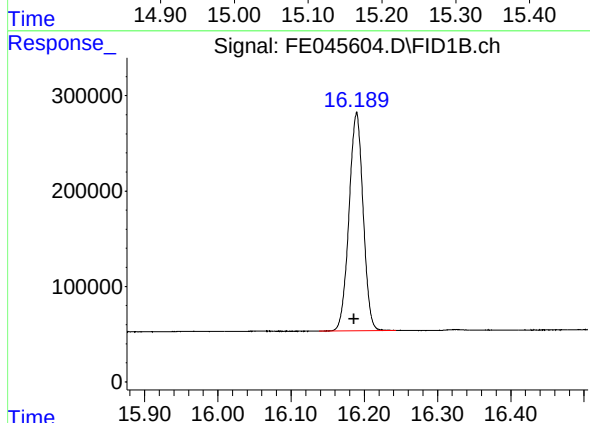
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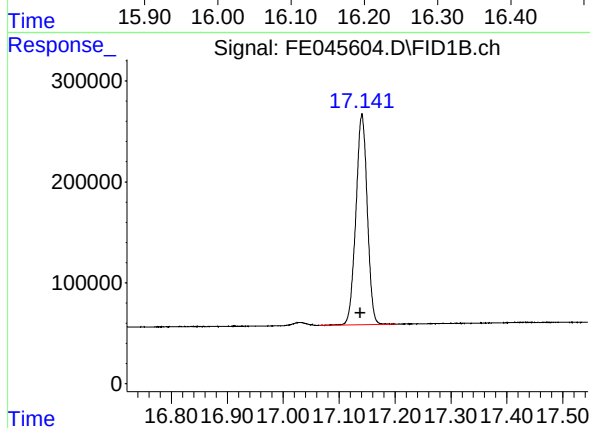
#14 n-Tetracosane (C24)

R.T.: 15.166 min
Delta R.T.: 0.002 min
Response: 3154435
Conc: 18.07 ug/ml



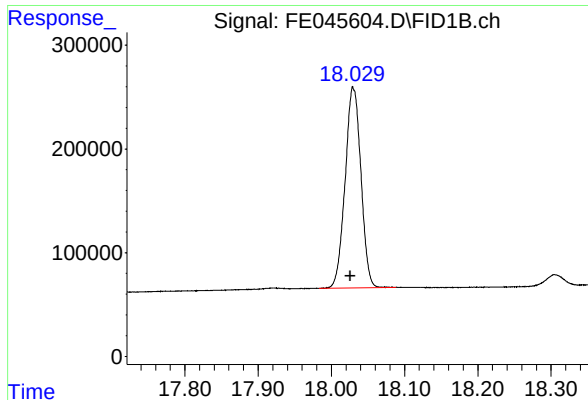
#15 n-Hexacosane (C26)

R.T.: 16.190 min
Delta R.T.: 0.004 min
Response: 3059945
Conc: 17.57 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.141 min
Delta R.T.: 0.003 min
Response: 2950936
Conc: 17.07 ug/ml



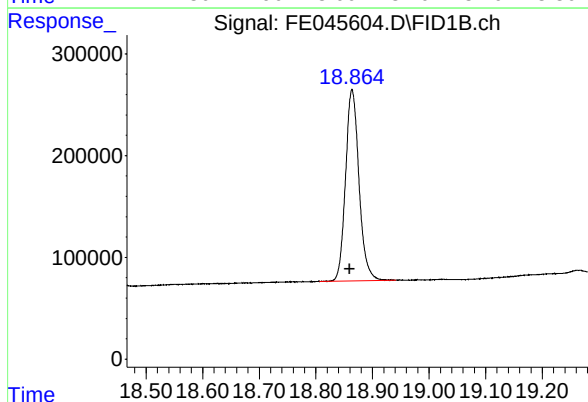
#17 n-Tricontane (C30)

R.T.: 18.030 min
Delta R.T.: 0.004 min
Response: 2903851
Conc: 16.60 ug/ml

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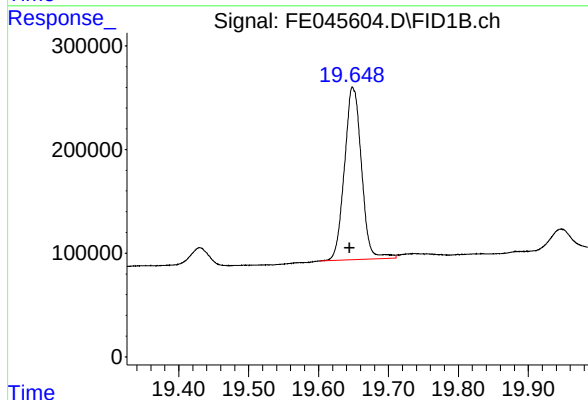
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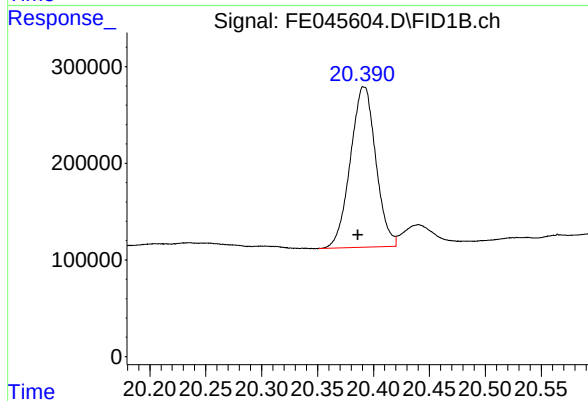
#18 n-Dotriacontane (C32)

R.T.: 18.864 min
Delta R.T.: 0.004 min
Response: 3101307
Conc: 17.00 ug/ml



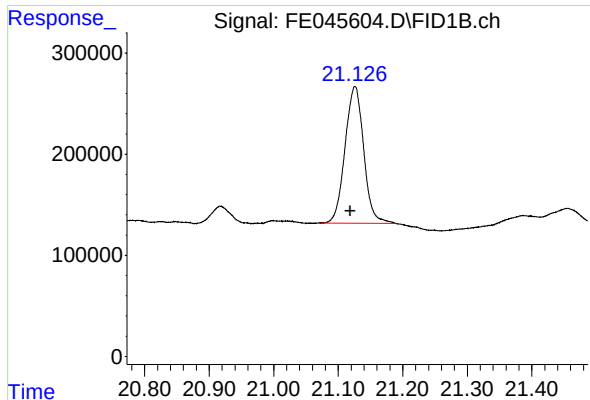
#19 n-Tetratriacontane (C34)

R.T.: 19.649 min
Delta R.T.: 0.004 min
Response: 2810393
Conc: 16.94 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.390 min
Delta R.T.: 0.004 min
Response: 2623995
Conc: 16.53 ug/ml m



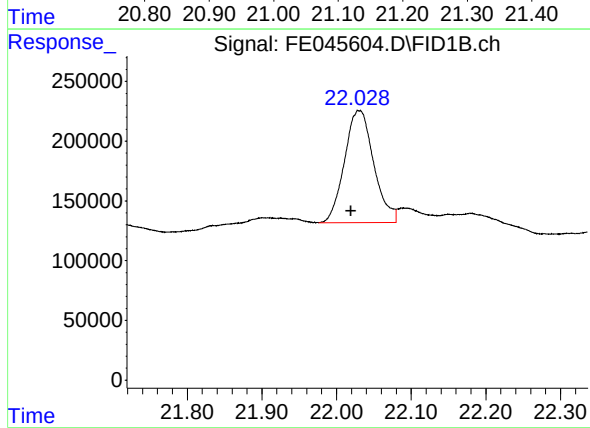
#21 n-Octatriacontane (C38)

R.T.: 21.126 min
Delta R.T.: 0.007 min
Response: 2719966
Conc: 17.34 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.028 min
Delta R.T.: 0.008 min
Response: 2557939
Conc: 18.00 ug/ml m