

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120623AL\
 Data File : FE045697.D
 Signal(s) : FID1B.ch
 Acq On : 06 Dec 2023 23:46
 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 12/07/2023
 Supervised By :Ankita Jodhani 12/07/2023

Integration File: autoint1.e
 Quant Time: Dec 07 03:50:58 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)	11.858	4098066	19.597 ug/ml
Spiked Amount 50.000		Recovery =	39.19%
12) S 1-chlorooctadecane (S...	13.301	3017217	19.176 ug/ml
Spiked Amount 50.000		Recovery =	38.35%
Target Compounds			
1) T n-Nonane (C9)	3.245	3371068	21.258 ug/ml
2) T n-Decane (C10)	4.496	3452886	21.562 ug/ml
3) T A~Naphthalene (C11.7)	6.196	3754280	21.552 ug/ml
4) T n-Dodecane (C12)	6.663	3489365	21.602 ug/ml
5) T A~2-methylnaphthalene...	7.293	3662167	21.565 ug/ml
6) T n-Tetradecane (C14)	8.490	3458682	21.560 ug/ml
7) T n-Hexadecane (C16)	10.100	3505033	21.166 ug/ml
8) T n-Octadecane (C18)	11.544	3498686	20.407 ug/ml
10) T n-Eicosane (C20)	12.856	3366696	19.458 ug/ml
11) T n-Heneicosane (C21)	13.469	3286326	19.103 ug/ml
13) T n-Docosane (C22)	14.056	3232731	18.749 ug/ml
14) T n-Tetracosane (C24)	15.162	3128892	17.922 ug/ml
15) T n-Hexacosane (C26)	16.185	3014958	17.312 ug/ml
16) T n-Octacosane (C28)	17.136	2952002	17.080 ug/ml
17) T n-Tricontane (C30)	18.027	3003753	17.169 ug/ml
18) T n-Dotriacontane (C32)	18.862	3008804	16.492 ug/ml
19) T n-Tetratriacontane (C34)	19.647	2906074	17.514 ug/ml
20) T n-Hexatriacontane (C36)	20.389	2833000	17.847 ug/ml
21) T n-Octatriacontane (C38)	21.123	2992238	19.081 ug/ml
22) T n-Tetracontane (C40)	22.029	3076850	21.650 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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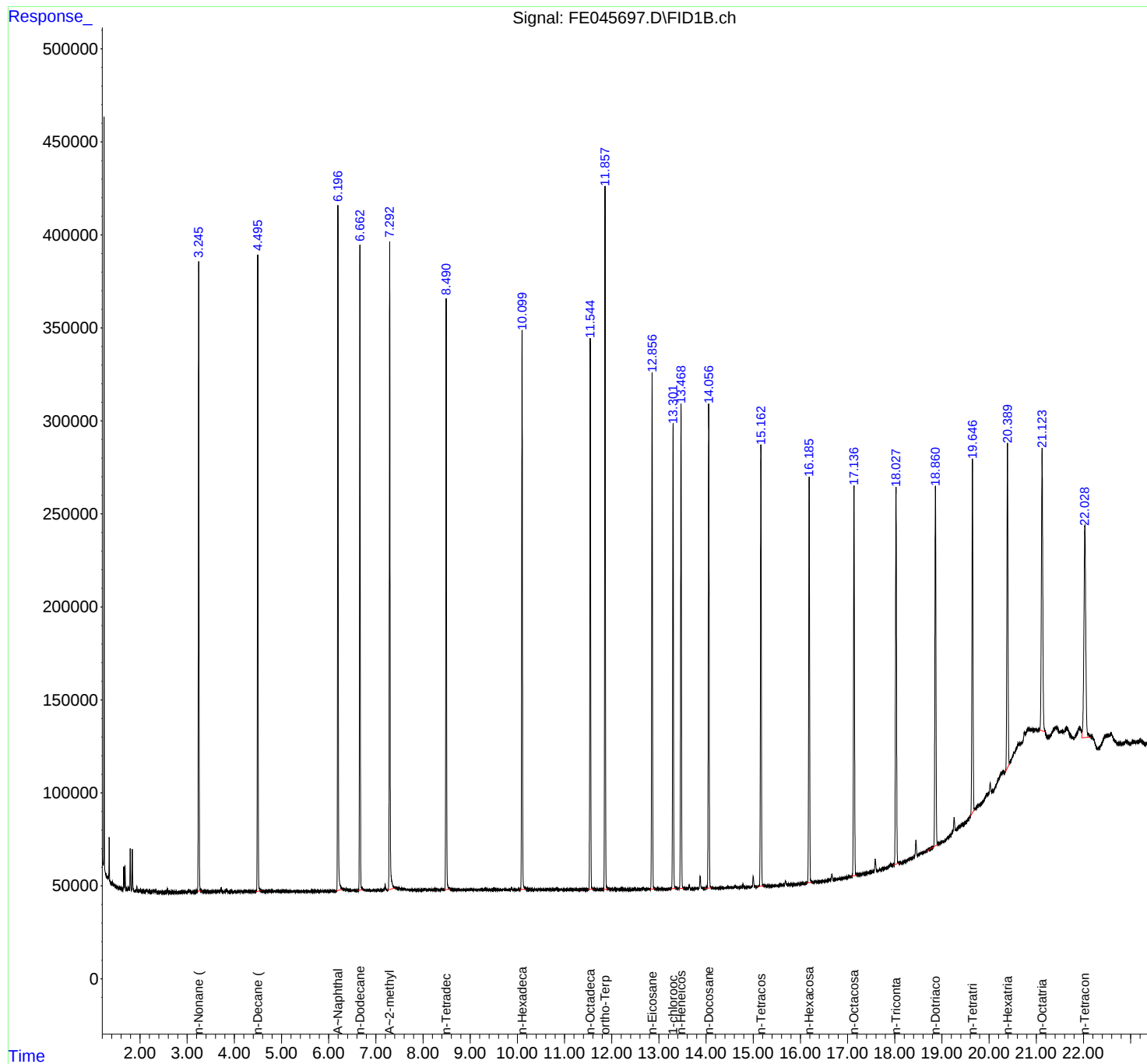
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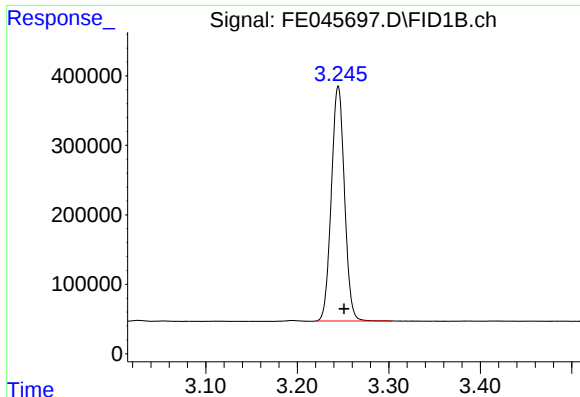
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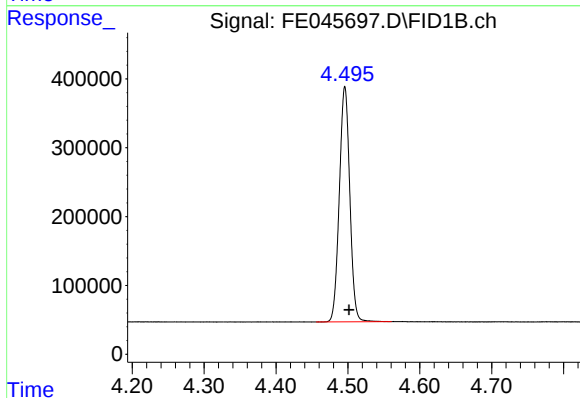
#1 n-Nonane (C9)

R.T.: 3.245 min
Delta R.T.: -0.006 min
Response: 3371068
Conc: 21.26 ug/ml

Instrument :
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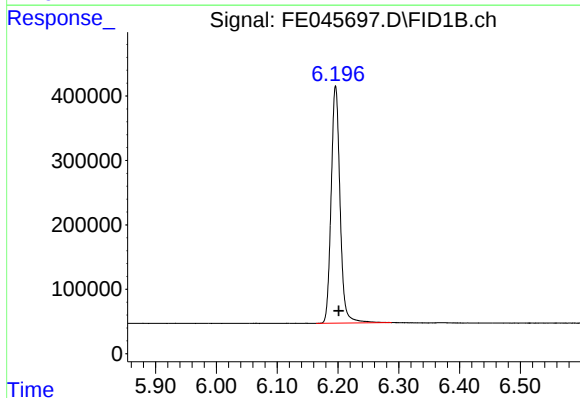
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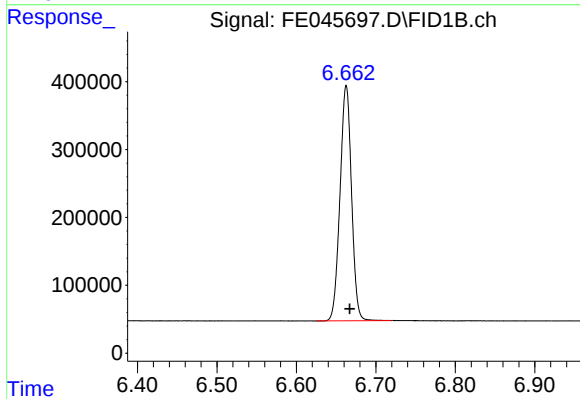
#2 n-Decane (C10)

R.T.: 4.496 min
Delta R.T.: -0.005 min
Response: 3452886
Conc: 21.56 ug/ml



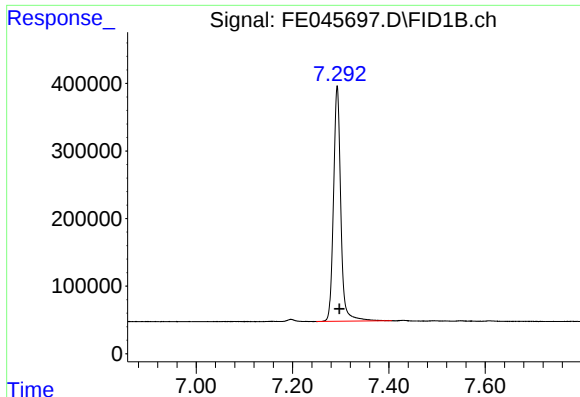
#3 A~Naphthalene (C11.7)

R.T.: 6.196 min
Delta R.T.: -0.005 min
Response: 3754280
Conc: 21.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.663 min
Delta R.T.: -0.004 min
Response: 3489365
Conc: 21.60 ug/ml



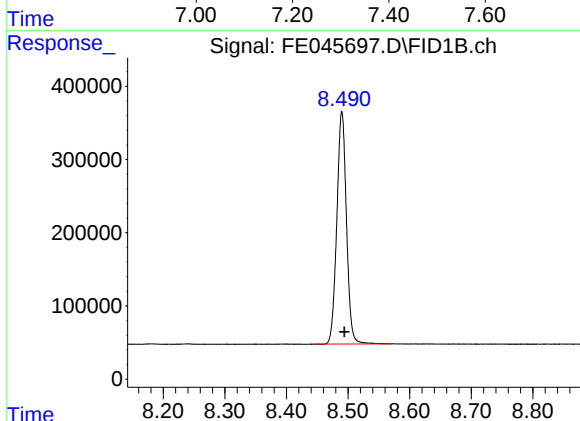
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.293 min
Delta R.T.: -0.005 min
Response: 3662167
Conc: 21.57 ug/ml

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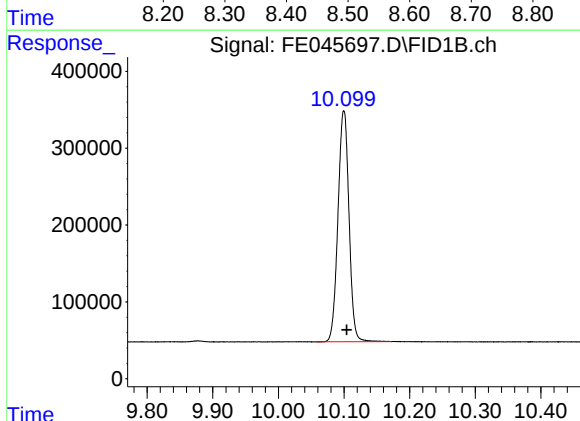
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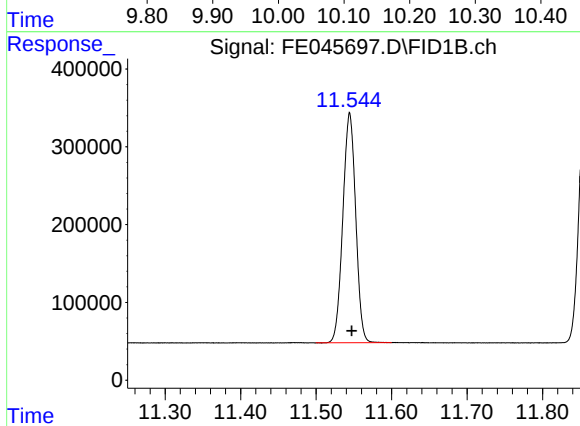
#6 n-Tetradecane (C14)

R.T.: 8.490 min
Delta R.T.: -0.004 min
Response: 3458682
Conc: 21.56 ug/ml



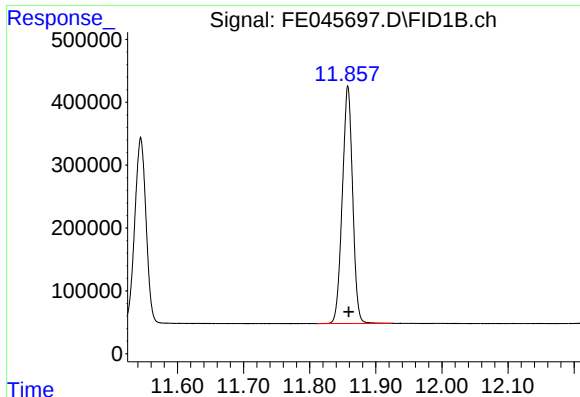
#7 n-Hexadecane (C16)

R.T.: 10.100 min
Delta R.T.: -0.004 min
Response: 3505033
Conc: 21.17 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.544 min
Delta R.T.: -0.003 min
Response: 3498686
Conc: 20.41 ug/ml



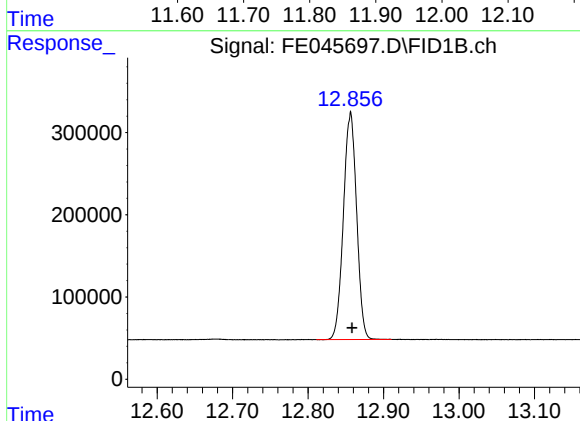
#9 ortho-Terphenyl (SURR)

R.T.: 11.858 min
Delta R.T.: -0.001 min
Response: 4098066
Conc: 19.60 ug/ml

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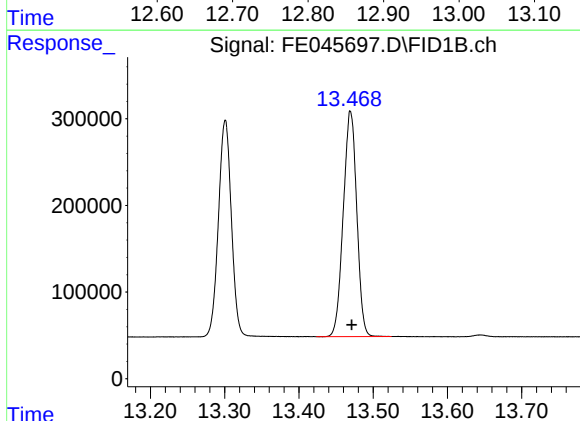
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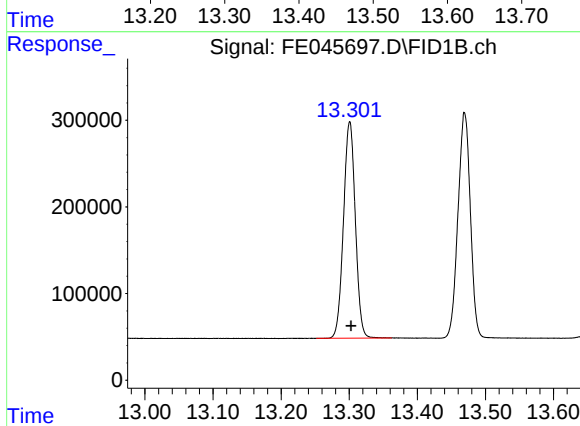
#10 n-Eicosane (C20)

R.T.: 12.856 min
Delta R.T.: -0.002 min
Response: 3366696
Conc: 19.46 ug/ml



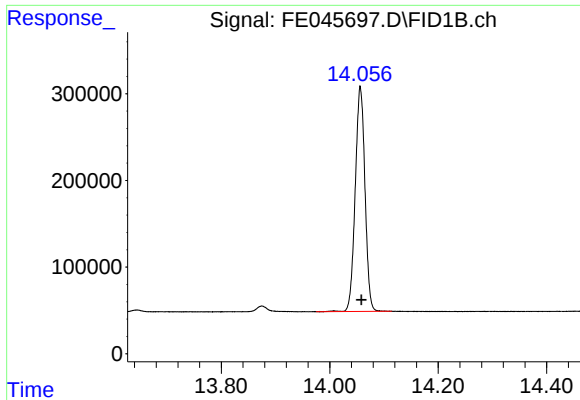
#11 n-Heneicosane (C21)

R.T.: 13.469 min
Delta R.T.: -0.002 min
Response: 3286326
Conc: 19.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.301 min
Delta R.T.: -0.002 min
Response: 3017217
Conc: 19.18 ug/ml



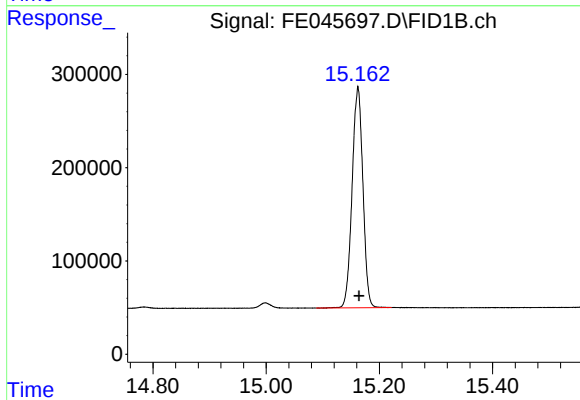
#13 n-Docosane (C22)

R.T.: 14.056 min
Delta R.T.: -0.002 min
Response: 3232731
Conc: 18.75 ug/ml

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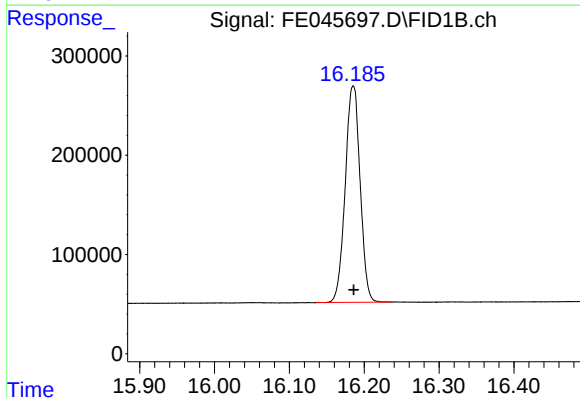
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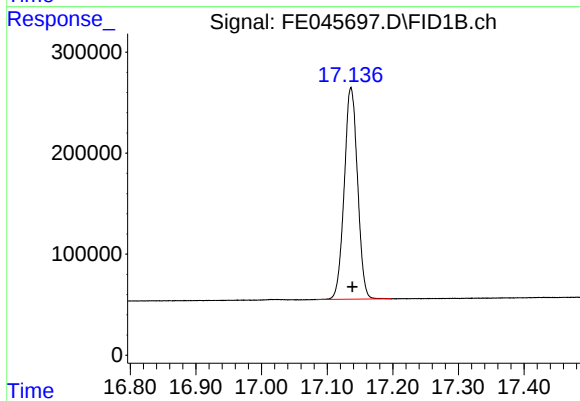
#14 n-Tetracosane (C24)

R.T.: 15.162 min
Delta R.T.: -0.002 min
Response: 3128892
Conc: 17.92 ug/ml



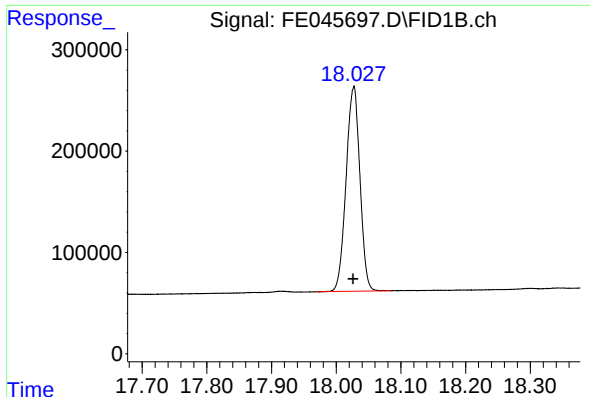
#15 n-Hexacosane (C26)

R.T.: 16.185 min
Delta R.T.: 0.000 min
Response: 3014958
Conc: 17.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.136 min
Delta R.T.: -0.002 min
Response: 2952002
Conc: 17.08 ug/ml



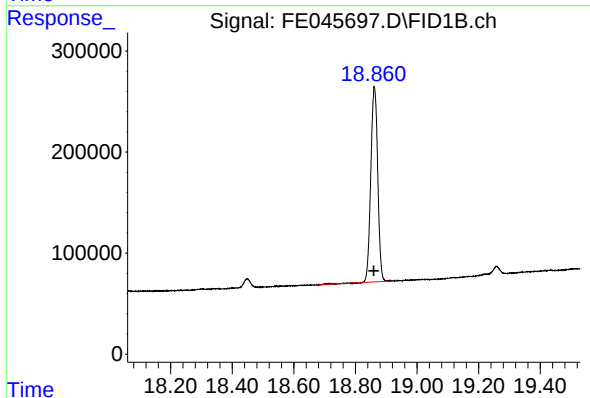
#17 n-Tricontane (C30)

R.T.: 18.027 min
Delta R.T.: 0.001 min
Response: 3003753
Conc: 17.17 ug/ml

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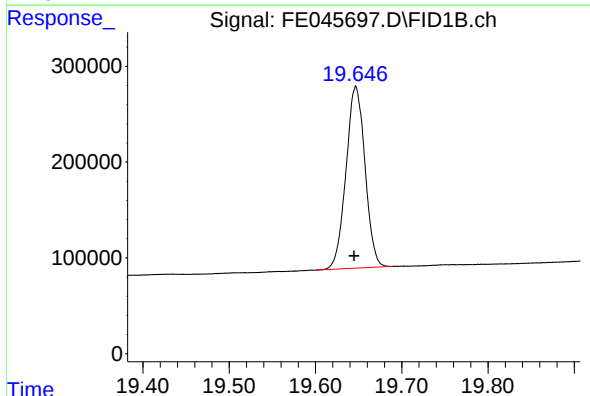
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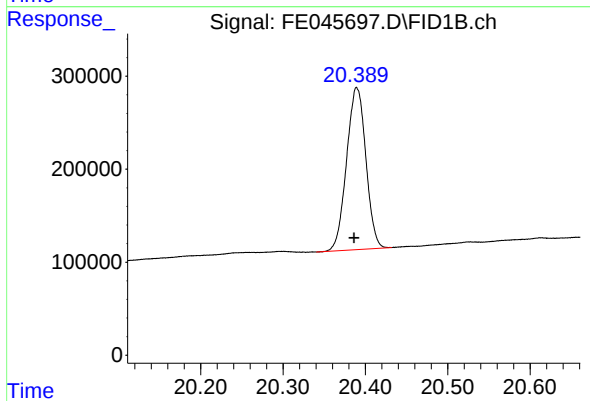
#18 n-Dotriacontane (C32)

R.T.: 18.862 min
Delta R.T.: 0.002 min
Response: 3008804
Conc: 16.49 ug/ml



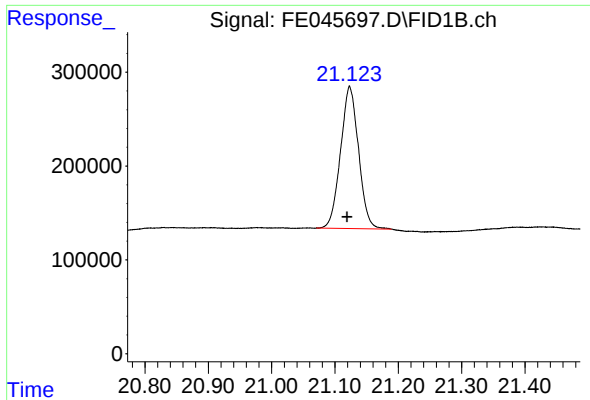
#19 n-Tetratriacontane (C34)

R.T.: 19.647 min
Delta R.T.: 0.002 min
Response: 2906074
Conc: 17.51 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.389 min
Delta R.T.: 0.003 min
Response: 2833000
Conc: 17.85 ug/ml



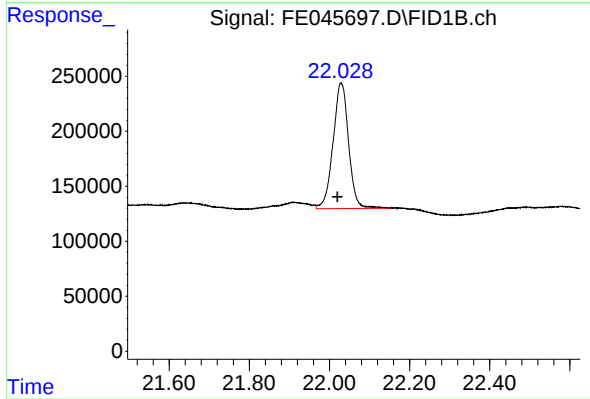
#21 n-Octatriacontane (C38)

R.T.: 21.123 min
Delta R.T.: 0.004 min
Response: 2992238
Conc: 19.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.029 min
Delta R.T.: 0.010 min
Response: 3076850
Conc: 21.65 ug/ml