

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101723AL\
 Data File : FE044893.D
 Signal(s) : FID1B.ch
 Acq On : 17 Oct 2023 12:57
 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 10/18/2023
 Supervised By :Ankita Jodhani 10/18/2023

Integration File: autoint1.e
 Quant Time: Oct 17 13:20:29 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101223.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 12 06:15:32 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)	11.904	3709749	18.506 ug/ml
Spiked Amount 50.000		Recovery =	37.01%
12) S 1-chlorooctadecane (S...	13.346	2710639	18.317 ug/ml
Spiked Amount 50.000		Recovery =	36.63%
Target Compounds			
1) T n-Nonane (C9)	3.289	3144523	18.745 ug/ml
2) T n-Decane (C10)	4.540	3201570	18.794 ug/ml
3) T A~Naphthalene (C11.7)	6.241	3457568	18.678 ug/ml
4) T n-Dodecane (C12)	6.706	3227952	18.700 ug/ml
5) T A~2-methylnaphthalene...	7.337	3344233	18.539 ug/ml
6) T n-Tetradecane (C14)	8.533	3189619	18.601 ug/ml
7) T n-Hexadecane (C16)	10.144	3235963	18.505 ug/ml
8) T n-Octadecane (C18)	11.590	3230005	18.519 ug/ml
10) T n-Eicosane (C20)	12.901	3095507	18.533 ug/ml
11) T n-Heneicosane (C21)	13.514	3001492	18.413 ug/ml
13) T n-Docosane (C22)	14.102	3005680	18.791 ug/ml
14) T n-Tetracosane (C24)	15.207	3002046	19.344 ug/ml
15) T n-Hexacosane (C26)	16.229	2984386	19.878 ug/ml
16) T n-Octacosane (C28)	17.181	3022972	20.586 ug/ml
17) T n-Tricontane (C30)	18.071	3100197	20.845 ug/ml
18) T n-Dotriacontane (C32)	18.904	3148388	20.976 ug/ml
19) T n-Tetratriacontane (C34)	19.688	2972597	19.969 ug/ml
20) T n-Hexatriacontane (C36)	20.430	2970629	19.322 ug/mlm
21) T n-Octatriacontane (C38)	21.169	3218176	20.602 ug/ml
22) T n-Tetracontane (C40)	22.087	3150620	18.852 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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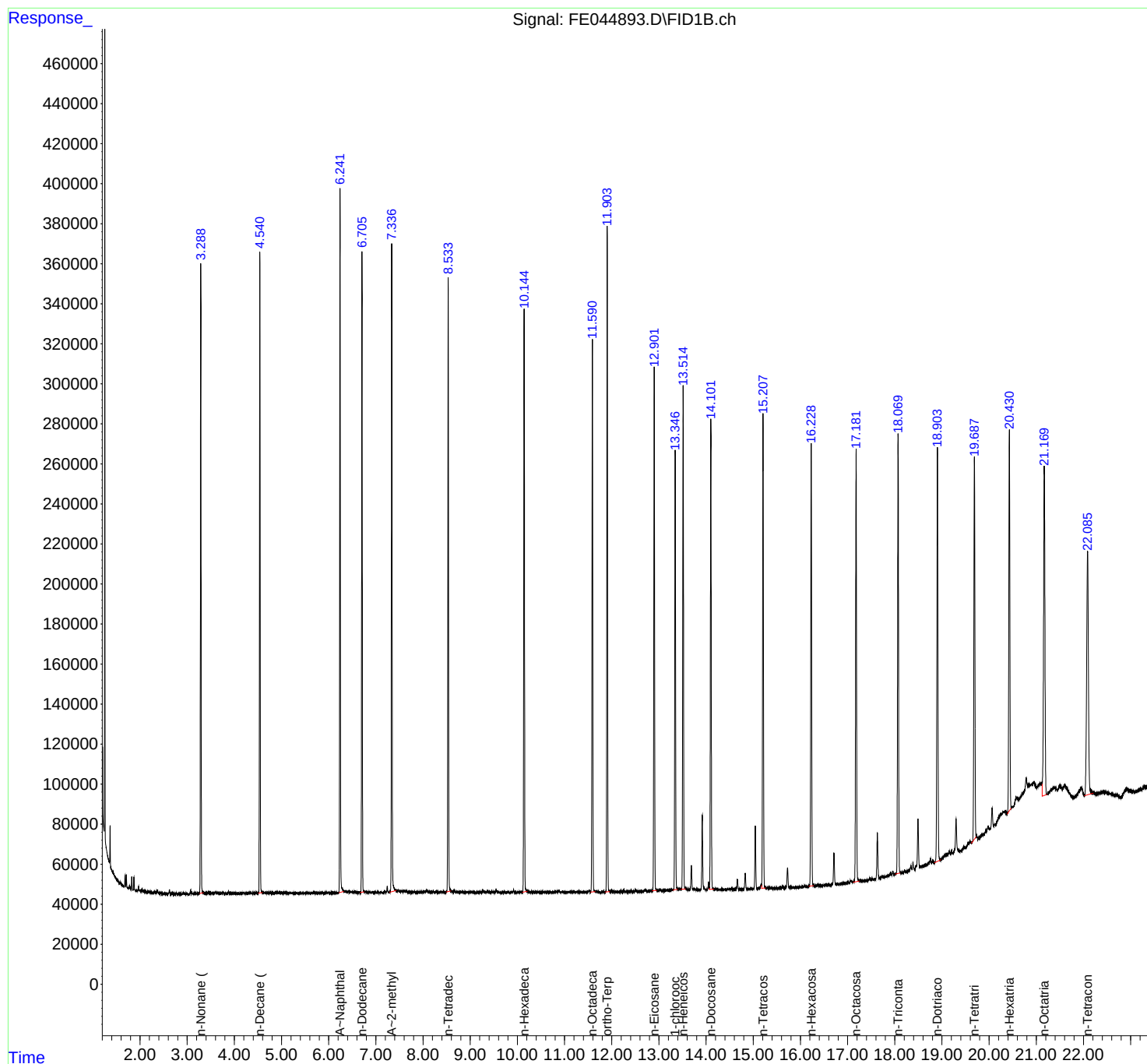
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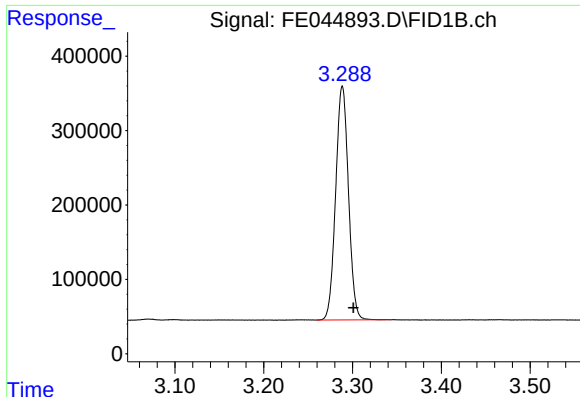
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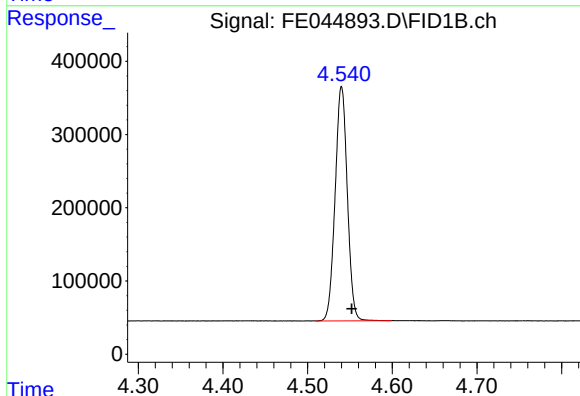
#1 n-Nonane (C9)

R.T.: 3.289 min
Delta R.T.: -0.012 min
Response: 3144523
Conc: 18.74 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

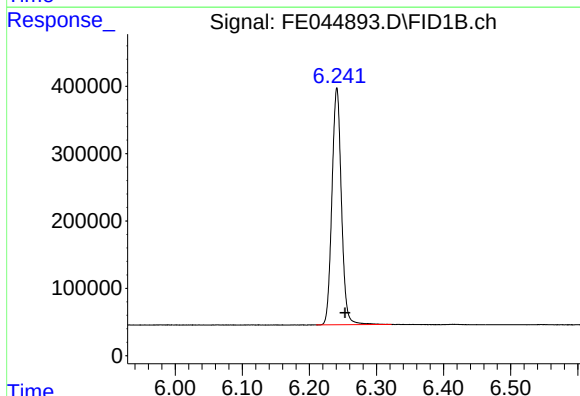
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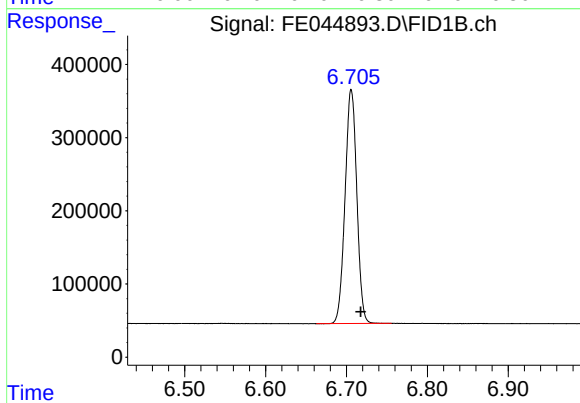
#2 n-Decane (C10)

R.T.: 4.540 min
Delta R.T.: -0.012 min
Response: 3201570
Conc: 18.79 ug/ml



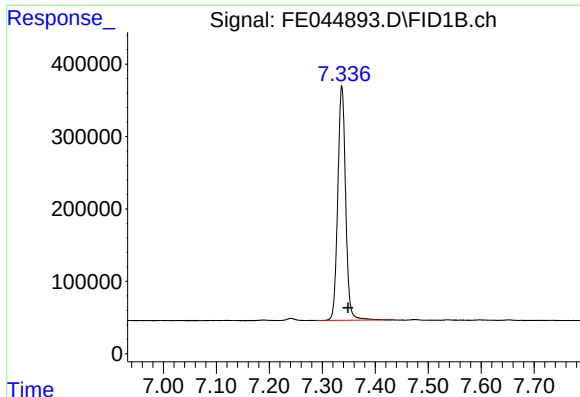
#3 A~Naphthalene (C11.7)

R.T.: 6.241 min
Delta R.T.: -0.012 min
Response: 3457568
Conc: 18.68 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.706 min
Delta R.T.: -0.012 min
Response: 3227952
Conc: 18.70 ug/ml



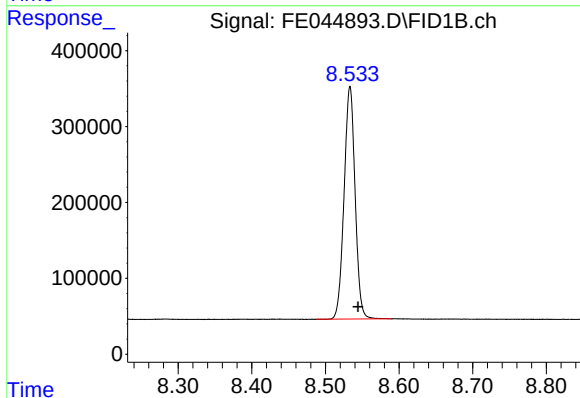
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.337 min
Delta R.T.: -0.012 min
Response: 3344233
Conc: 18.54 ug/ml

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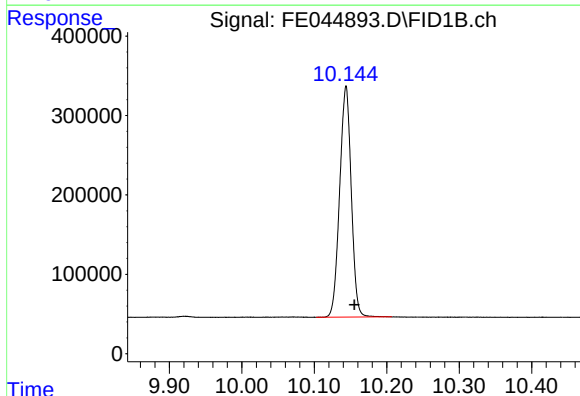
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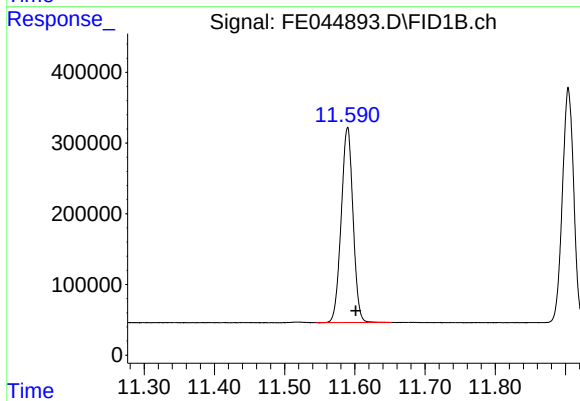
#6 n-Tetradecane (C14)

R.T.: 8.533 min
Delta R.T.: -0.011 min
Response: 3189619
Conc: 18.60 ug/ml



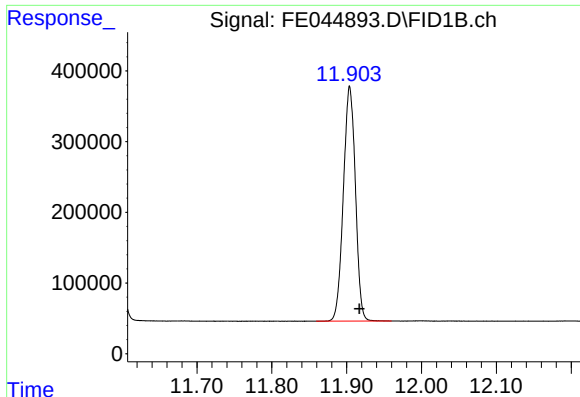
#7 n-Hexadecane (C16)

R.T.: 10.144 min
Delta R.T.: -0.011 min
Response: 3235963
Conc: 18.51 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.590 min
Delta R.T.: -0.011 min
Response: 3230005
Conc: 18.52 ug/ml



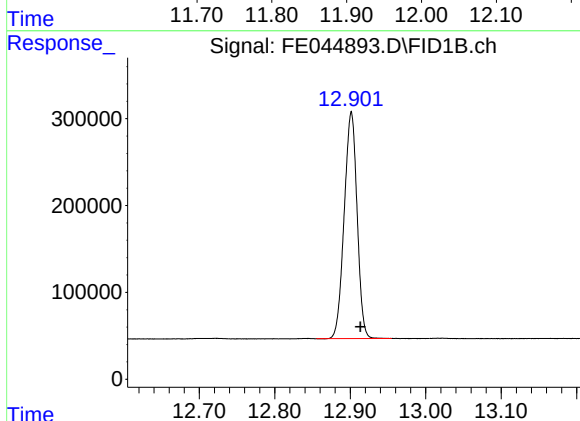
#9 ortho-Terphenyl (SURR)

R.T.: 11.904 min
Delta R.T.: -0.013 min
Response: 3709749
Conc: 18.51 ug/ml

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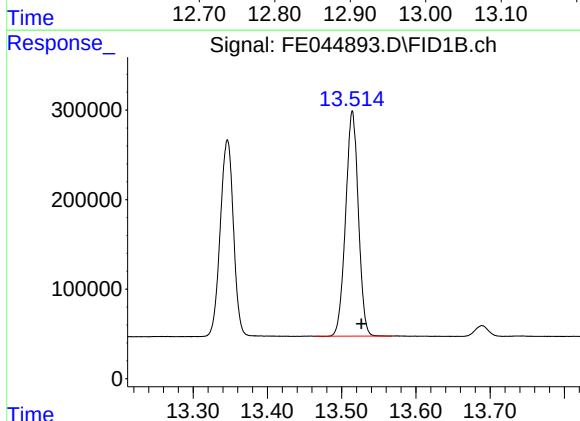
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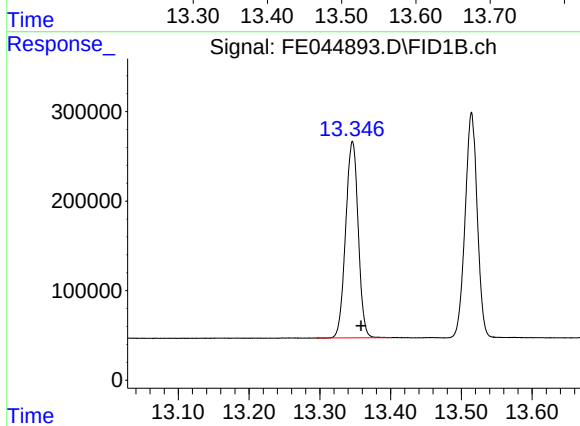
#10 n-Eicosane (C20)

R.T.: 12.901 min
Delta R.T.: -0.012 min
Response: 3095507
Conc: 18.53 ug/ml



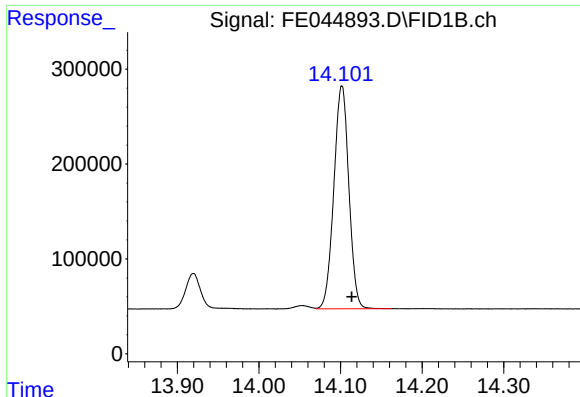
#11 n-Heneicosane (C21)

R.T.: 13.514 min
Delta R.T.: -0.012 min
Response: 3001492
Conc: 18.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.346 min
Delta R.T.: -0.012 min
Response: 2710639
Conc: 18.32 ug/ml



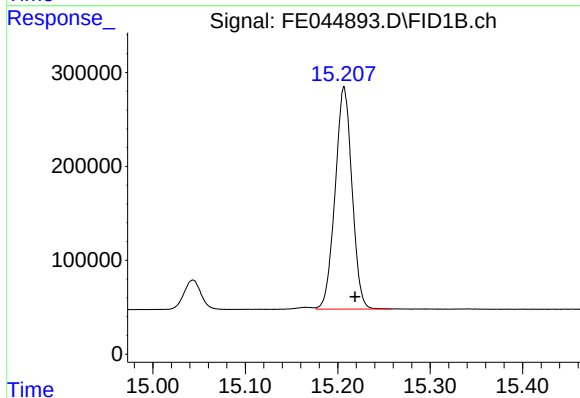
#13 n-Docosane (C22)

R.T.: 14.102 min
Delta R.T.: -0.012 min
Response: 3005680
Conc: 18.79 ug/ml

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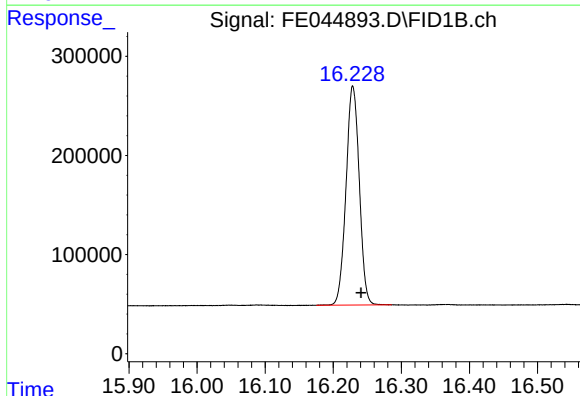
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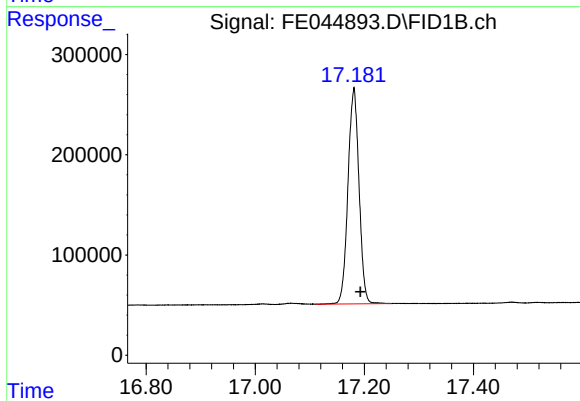
#14 n-Tetracosane (C24)

R.T.: 15.207 min
Delta R.T.: -0.012 min
Response: 3002046
Conc: 19.34 ug/ml



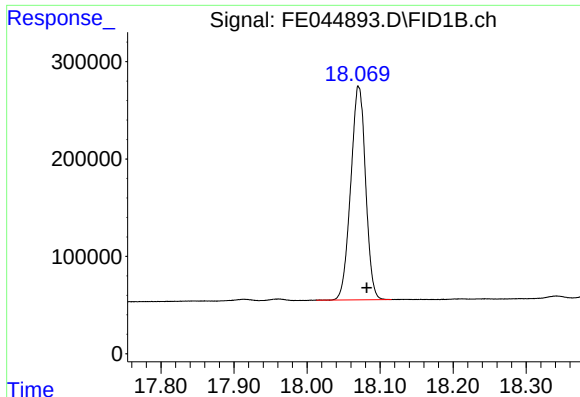
#15 n-Hexacosane (C26)

R.T.: 16.229 min
Delta R.T.: -0.012 min
Response: 2984386
Conc: 19.88 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.181 min
Delta R.T.: -0.011 min
Response: 3022972
Conc: 20.59 ug/ml



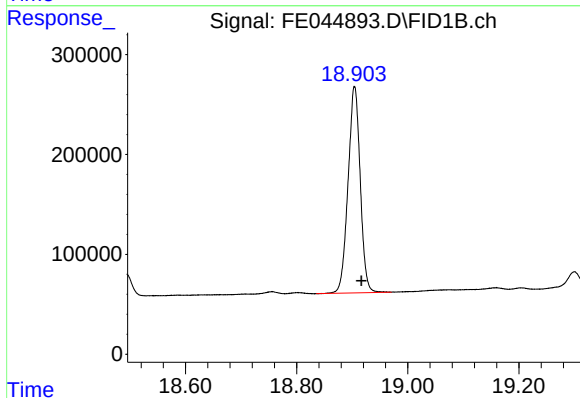
#17 n-Tricontane (C30)

R.T.: 18.071 min
Delta R.T.: -0.011 min
Response: 3100197
Conc: 20.84 ug/ml

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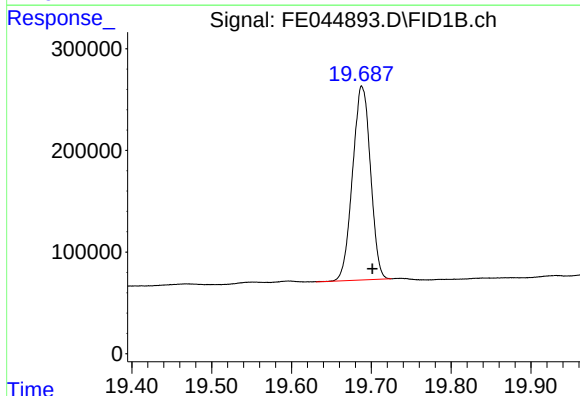
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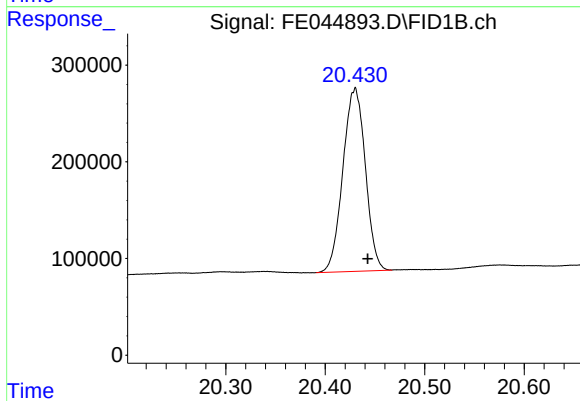
#18 n-Dotriacontane (C32)

R.T.: 18.904 min
Delta R.T.: -0.012 min
Response: 3148388
Conc: 20.98 ug/ml



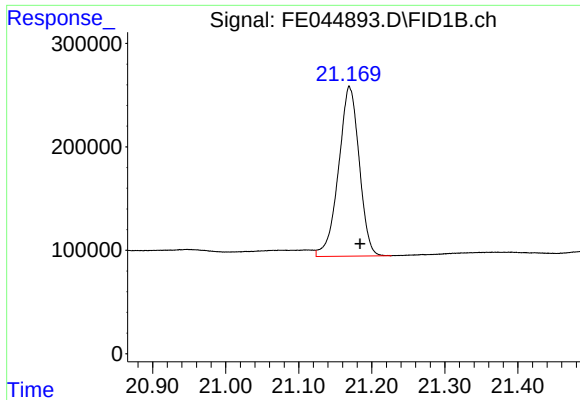
#19 n-Tetratriacontane (C34)

R.T.: 19.688 min
Delta R.T.: -0.013 min
Response: 2972597
Conc: 19.97 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.430 min
Delta R.T.: -0.013 min
Response: 2970629
Conc: 19.32 ug/ml m



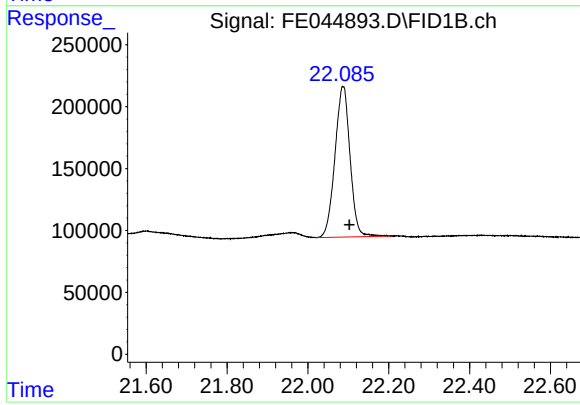
#21 n-Octatriacontane (C38)

R.T.: 21.169 min
Delta R.T.: -0.015 min
Response: 3218176
Conc: 20.60 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.087 min
Delta R.T.: -0.016 min
Response: 3150620
Conc: 18.85 ug/ml