

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071824AL\
 Data File : FE049193.D
 Signal(s) : FID1B.ch
 Acq On : 18 Jul 2024 20:35
 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 07/19/2024
 Supervised By :Ankita Jodhani 07/19/2024

Integration File: autoint1.e
 Quant Time: Jul 19 01:34:16 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071724.M
 Quant Title : GC Extractables
 Qlast Update : Wed Jul 17 14:26:40 2024
 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)	11.911	2746318	17.706 ug/ml
Spiked Amount 50.000		Recovery =	35.41%
12) S 1-chlorooctadecane (S...	13.346	2105492	18.021 ug/ml
Spiked Amount 50.000		Recovery =	36.04%
Target Compounds			
1) T n-Nonane (C9)	3.299	2458034	16.345 ug/ml
2) T n-Decane (C10)	4.549	2641127	17.100 ug/ml
3) T A~Naphthalene (C11.7)	6.255	2675398	17.172 ug/ml
4) T n-Dodecane (C12)	6.715	2651737	17.221 ug/ml
5) T A~2-methylnaphthalene...	7.351	2523307	17.339 ug/ml
6) T n-Tetradecane (C14)	8.543	2627893	17.314 ug/ml
7) T n-Hexadecane (C16)	10.150	2688261	17.726 ug/ml
8) T n-Octadecane (C18)	11.593	2699001	17.776 ug/ml
10) T n-Eicosane (C20)	12.901	2578469	17.831 ug/ml
11) T n-Heneicosane (C21)	13.512	2526324	17.815 ug/ml
13) T n-Docosane (C22)	14.099	2528267	17.996 ug/ml
14) T n-Tetracosane (C24)	15.201	2574054	18.366 ug/ml
15) T n-Hexacosane (C26)	16.221	2579926	18.399 ug/ml
16) T n-Octacosane (C28)	17.169	2688743	19.210 ug/ml
17) T n-Tricontane (C30)	18.057	3020013	20.703 ug/ml
18) T n-Dotriacontane (C32)	18.888	3267290	22.221 ug/ml
19) T n-Tetratriacontane (C34)	19.672	3186967	21.818 ug/ml
20) T n-Hexatriacontane (C36)	20.410	3109796	21.572 ug/ml
21) T n-Octatriacontane (C38)	21.141	3291089	21.986 ug/mlm
22) T n-Tetracontane (C40)	22.044	3349113	22.194 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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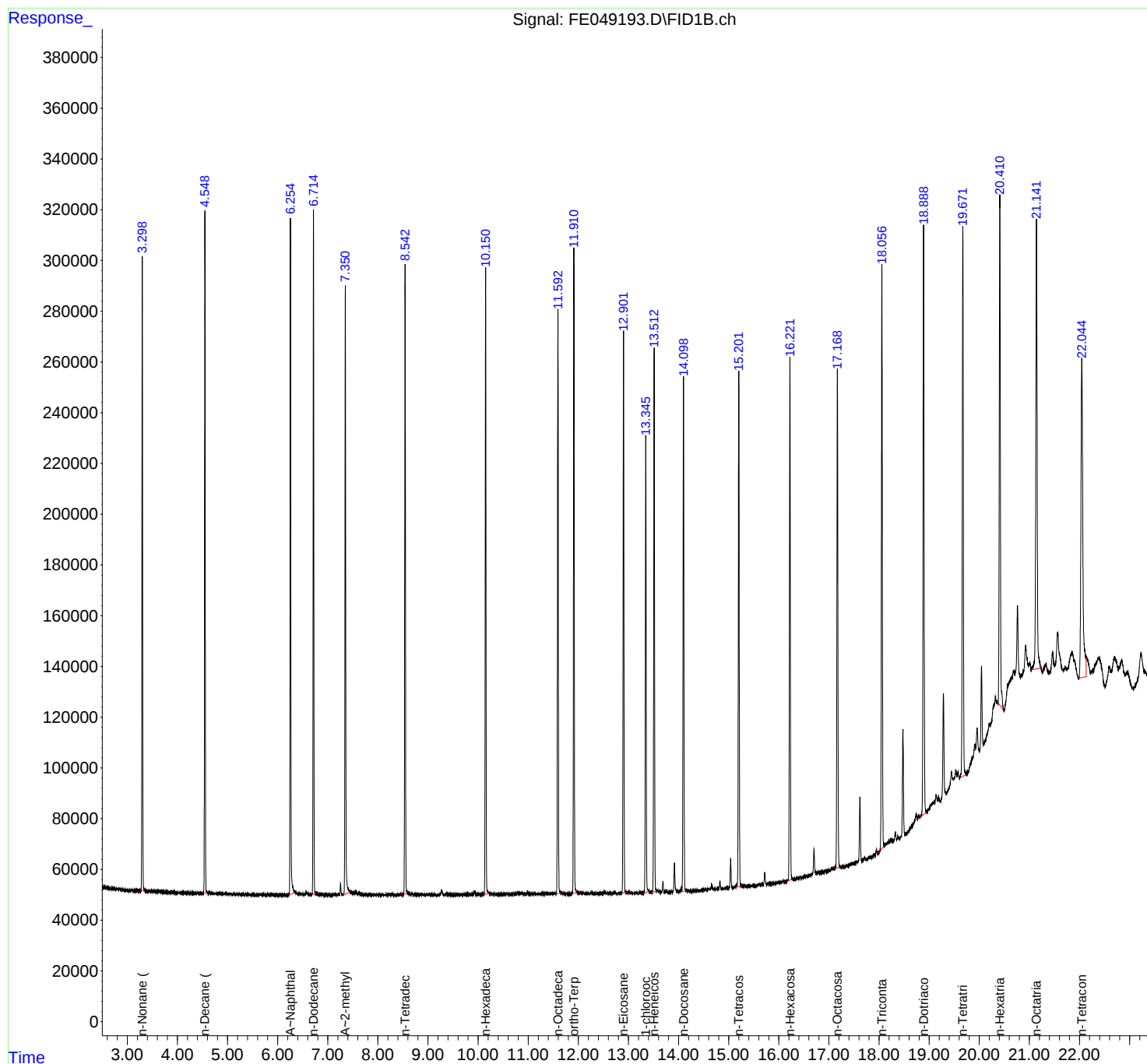
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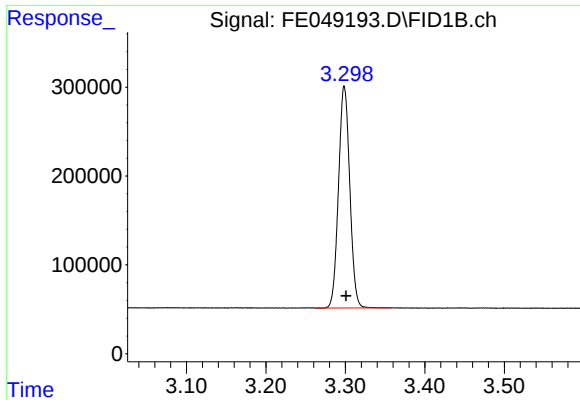
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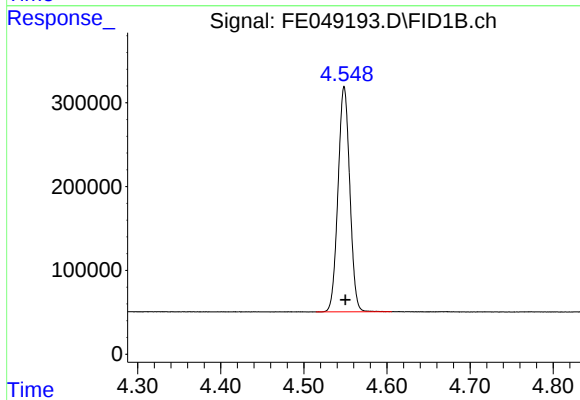
#1 n-Nonane (C9)

R.T.: 3.299 min
Delta R.T.: -0.002 min
Response: 2458034
Conc: 16.34 ug/ml

Instrument :
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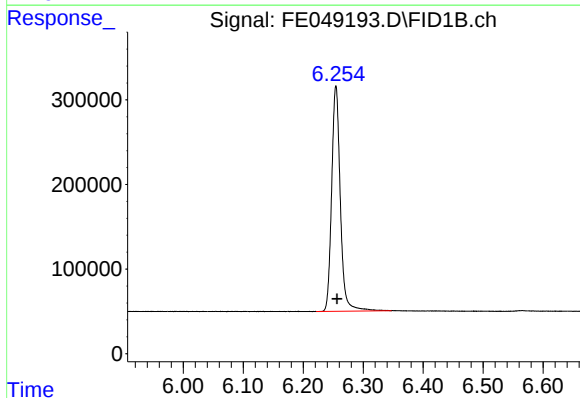
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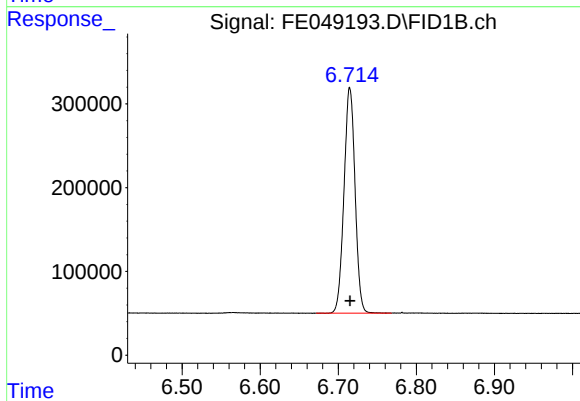
#2 n-Decane (C10)

R.T.: 4.549 min
Delta R.T.: -0.001 min
Response: 2641127
Conc: 17.10 ug/ml



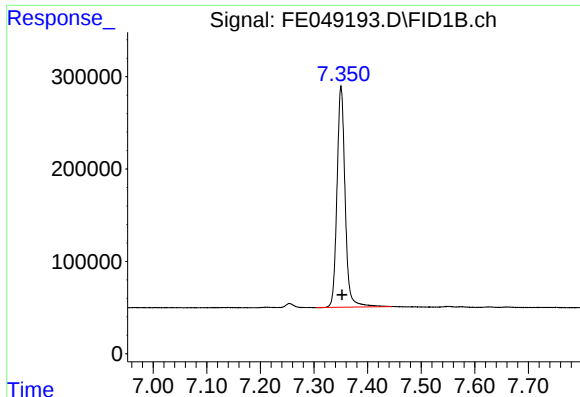
#3 A~Naphthalene (C11.7)

R.T.: 6.255 min
Delta R.T.: -0.002 min
Response: 2675398
Conc: 17.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 2651737
Conc: 17.22 ug/ml



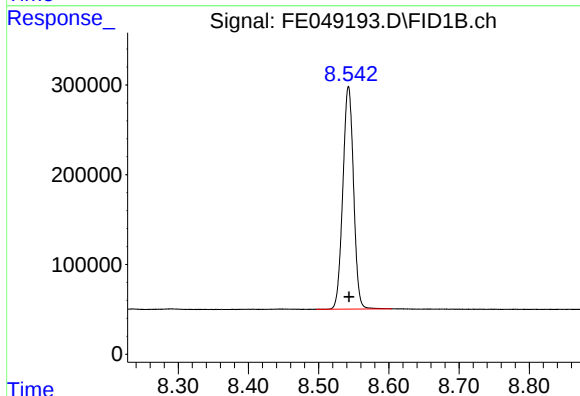
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.351 min
Delta R.T.: -0.002 min
Response: 2523307
Conc: 17.34 ug/ml

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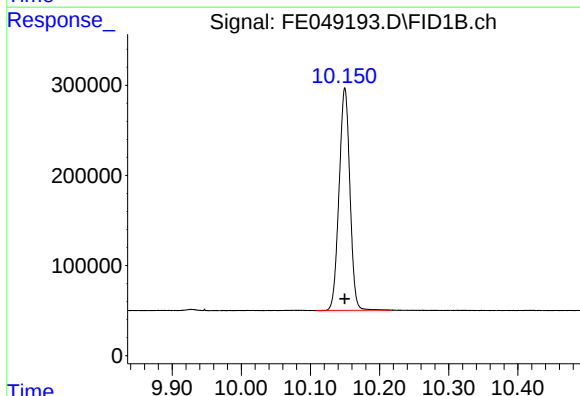
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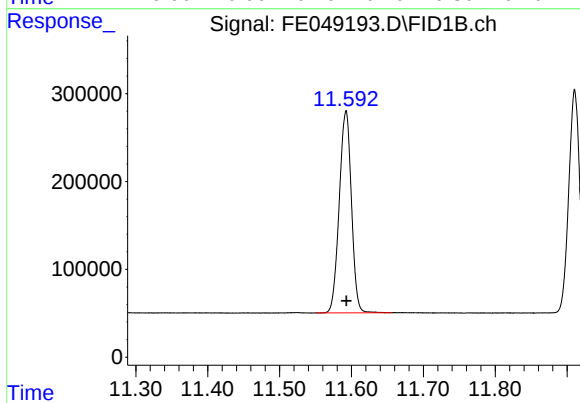
#6 n-Tetradecane (C14)

R.T.: 8.543 min
Delta R.T.: 0.000 min
Response: 2627893
Conc: 17.31 ug/ml



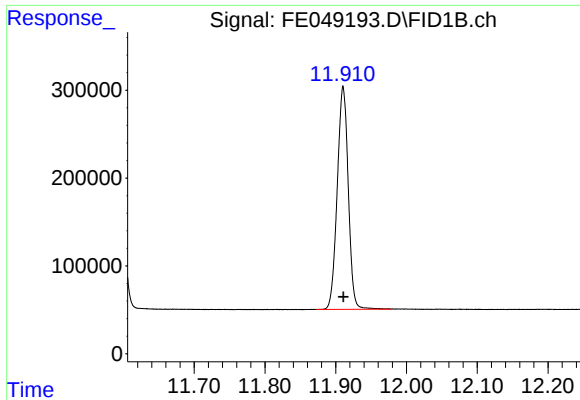
#7 n-Hexadecane (C16)

R.T.: 10.150 min
Delta R.T.: 0.000 min
Response: 2688261
Conc: 17.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.593 min
Delta R.T.: 0.000 min
Response: 2699001
Conc: 17.78 ug/ml



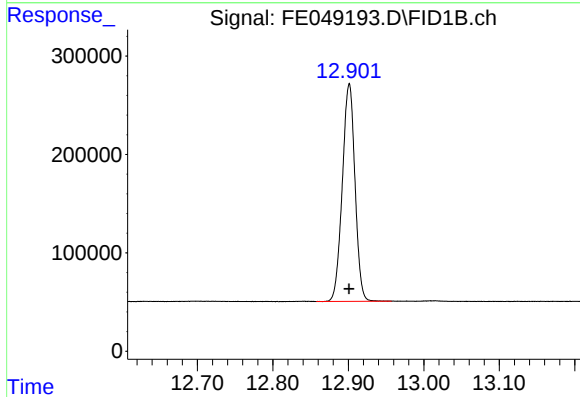
#9 ortho-Terphenyl (SURR)

R.T.: 11.911 min
Delta R.T.: 0.000 min
Response: 2746318
Conc: 17.71 ug/ml

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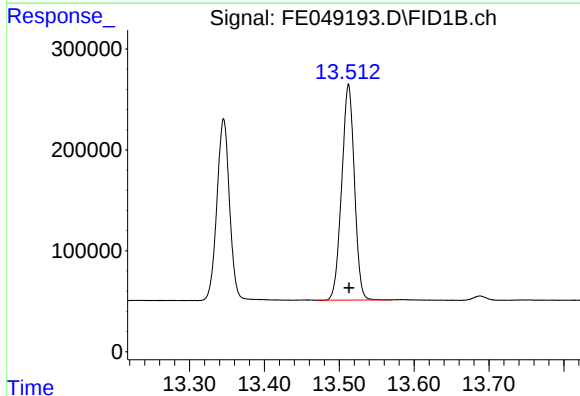
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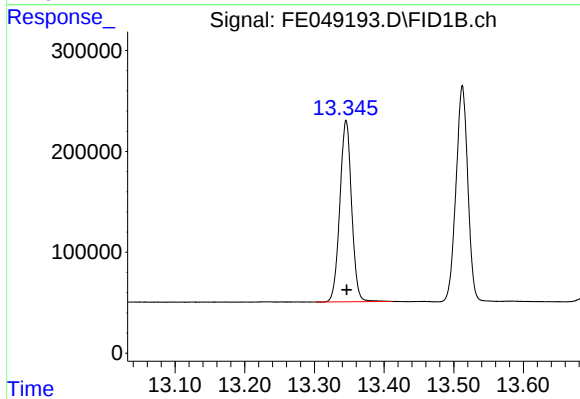
#10 n-Eicosane (C20)

R.T.: 12.901 min
Delta R.T.: 0.000 min
Response: 2578469
Conc: 17.83 ug/ml



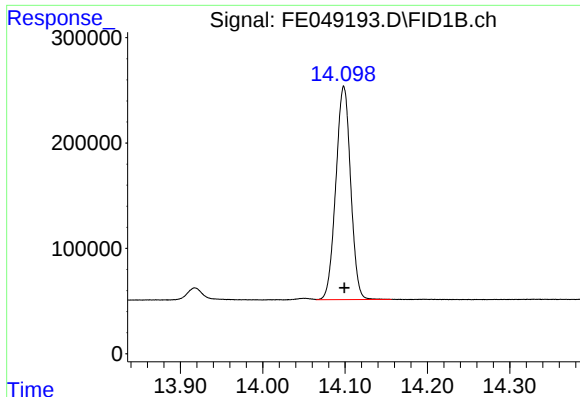
#11 n-Heneicosane (C21)

R.T.: 13.512 min
Delta R.T.: 0.000 min
Response: 2526324
Conc: 17.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.346 min
Delta R.T.: 0.000 min
Response: 2105492
Conc: 18.02 ug/ml



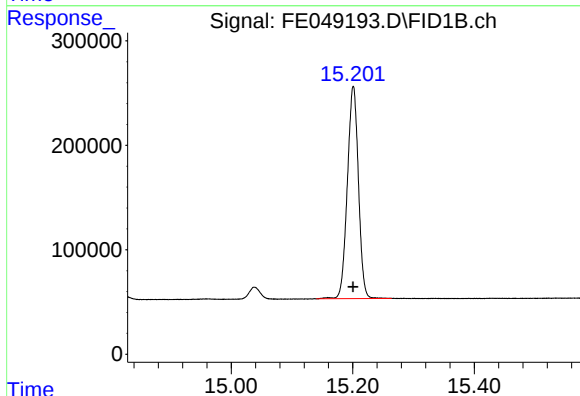
#13 n-Docosane (C22)

R.T.: 14.099 min
Delta R.T.: 0.000 min
Response: 2528267
Conc: 18.00 ug/ml

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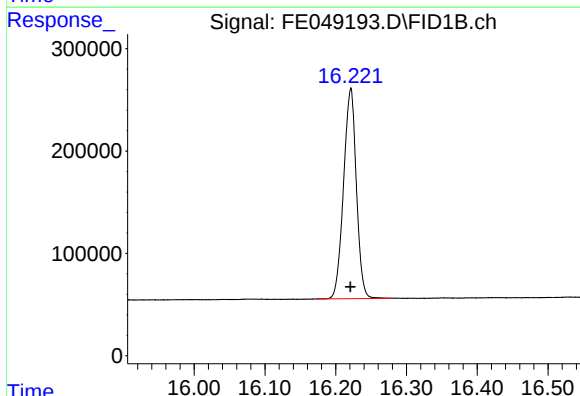
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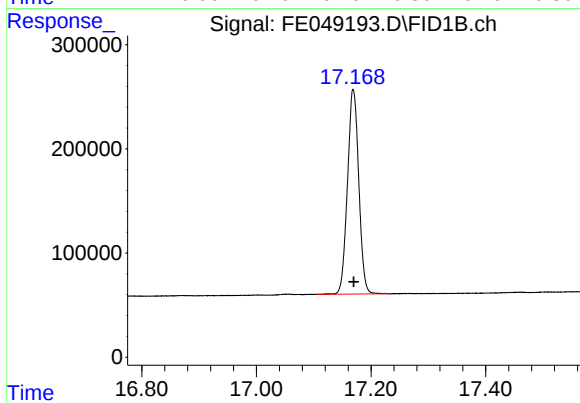
#14 n-Tetracosane (C24)

R.T.: 15.201 min
Delta R.T.: 0.000 min
Response: 2574054
Conc: 18.37 ug/ml



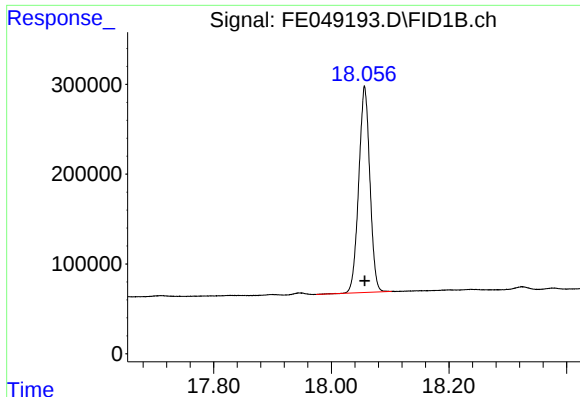
#15 n-Hexacosane (C26)

R.T.: 16.221 min
Delta R.T.: 0.000 min
Response: 2579926
Conc: 18.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.169 min
Delta R.T.: -0.001 min
Response: 2688743
Conc: 19.21 ug/ml



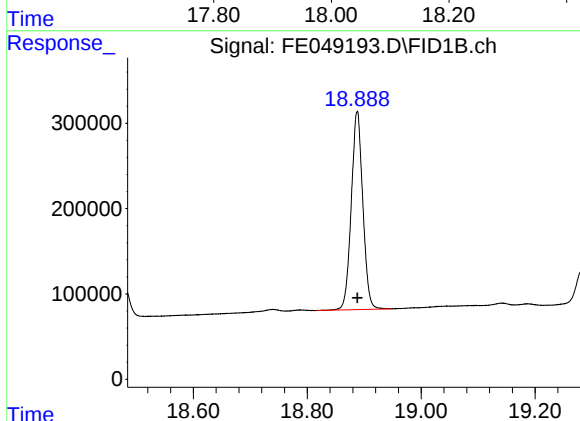
#17 n-Tricontane (C30)

R.T.: 18.057 min
Delta R.T.: 0.000 min
Response: 3020013
Conc: 20.70 ug/ml

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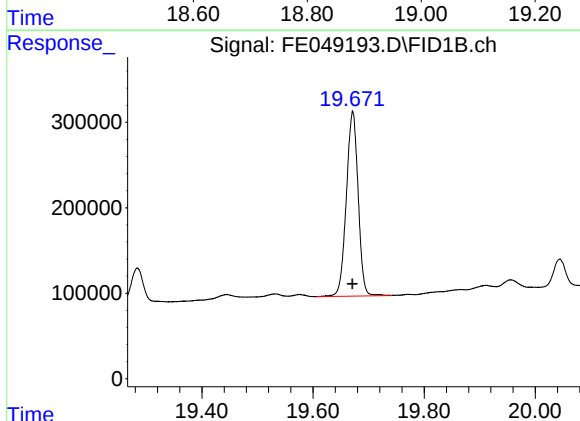
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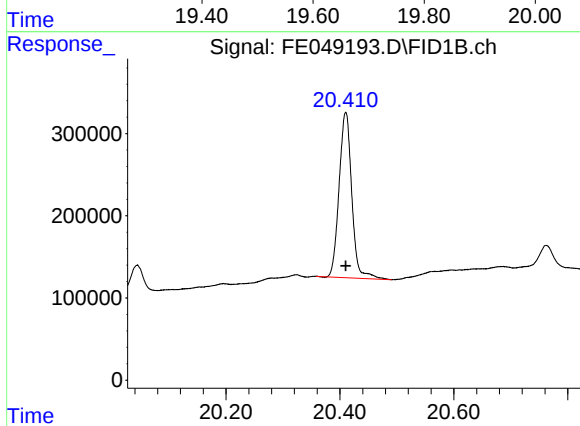
#18 n-Dotriacontane (C32)

R.T.: 18.888 min
Delta R.T.: 0.000 min
Response: 3267290
Conc: 22.22 ug/ml



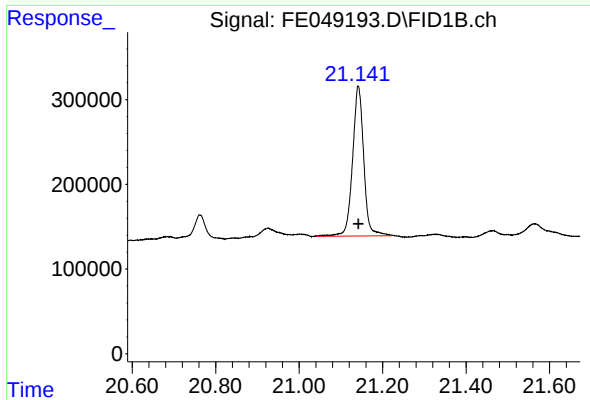
#19 n-Tetratriacontane (C34)

R.T.: 19.672 min
Delta R.T.: 0.000 min
Response: 3186967
Conc: 21.82 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.410 min
Delta R.T.: 0.000 min
Response: 3109796
Conc: 21.57 ug/ml



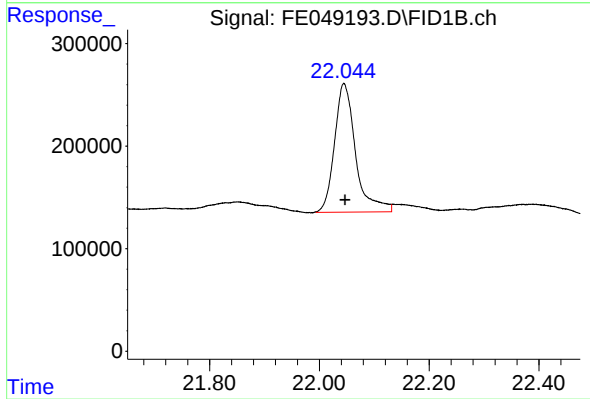
#21 n-Octatriacontane (C38)

R.T.: 21.141 min
Delta R.T.: -0.001 min
Response: 3291089
Conc: 21.99 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.044 min
Delta R.T.: -0.003 min
Response: 3349113
Conc: 22.19 ug/ml m