

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091423AL\
 Data File : FE044297.D
 Signal(s) : FID1B.ch
 Acq On : 15 Sep 2023 02:05
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :Ankita Jodhani 09/15/2023

Integration File: autoint1.e
 Quant Time: Sep 15 02:27:52 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 083023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 31 03:37:37 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)	11.928	3231425	17.057 ug/ml
Spiked Amount 50.000		Recovery =	34.11%
12) S 1-chlorooctadecane (S...	13.368	2418051	17.503 ug/ml
Spiked Amount 50.000		Recovery =	35.01%
Target Compounds			
1) T n-Nonane (C9)	3.317	2528254	15.498 ug/ml
2) T n-Decane (C10)	4.568	2694136	16.209 ug/ml
3) T A~Naphthalene (C11.7)	6.269	2922835	16.322 ug/ml
4) T n-Dodecane (C12)	6.731	2747816	16.339 ug/ml
5) T A~2-methylnaphthalene...	7.364	2864944	16.712 ug/ml
6) T n-Tetradecane (C14)	8.558	2750264	16.399 ug/ml
7) T n-Hexadecane (C16)	10.167	2825791	16.350 ug/ml
8) T n-Octadecane (C18)	11.611	2826637	16.238 ug/ml
10) T n-Eicosane (C20)	12.922	2713120	16.402 ug/ml
11) T n-Heneicosane (C21)	13.534	2647267	16.366 ug/ml
13) T n-Docosane (C22)	14.121	2611201	16.344 ug/ml
14) T n-Tetracosane (C24)	15.226	2546758	16.286 ug/ml
15) T n-Hexacosane (C26)	16.247	2494797	16.549 ug/ml
16) T n-Octacosane (C28)	17.198	2547244	17.651 ug/ml
17) T n-Tricontane (C30)	18.088	2855992	19.658 ug/ml
18) T n-Dotriacontane (C32)	18.922	2991660	21.002 ug/ml
19) T n-Tetratriacontane (C34)	19.707	2958492	21.141 ug/ml
20) T n-Hexatriacontane (C36)	20.449	2700908	19.701 ug/mlm
21) T n-Octatriacontane (C38)	21.192	2657946	19.147 ug/ml
22) T n-Tetracontane (C40)	22.112	3022237	21.859 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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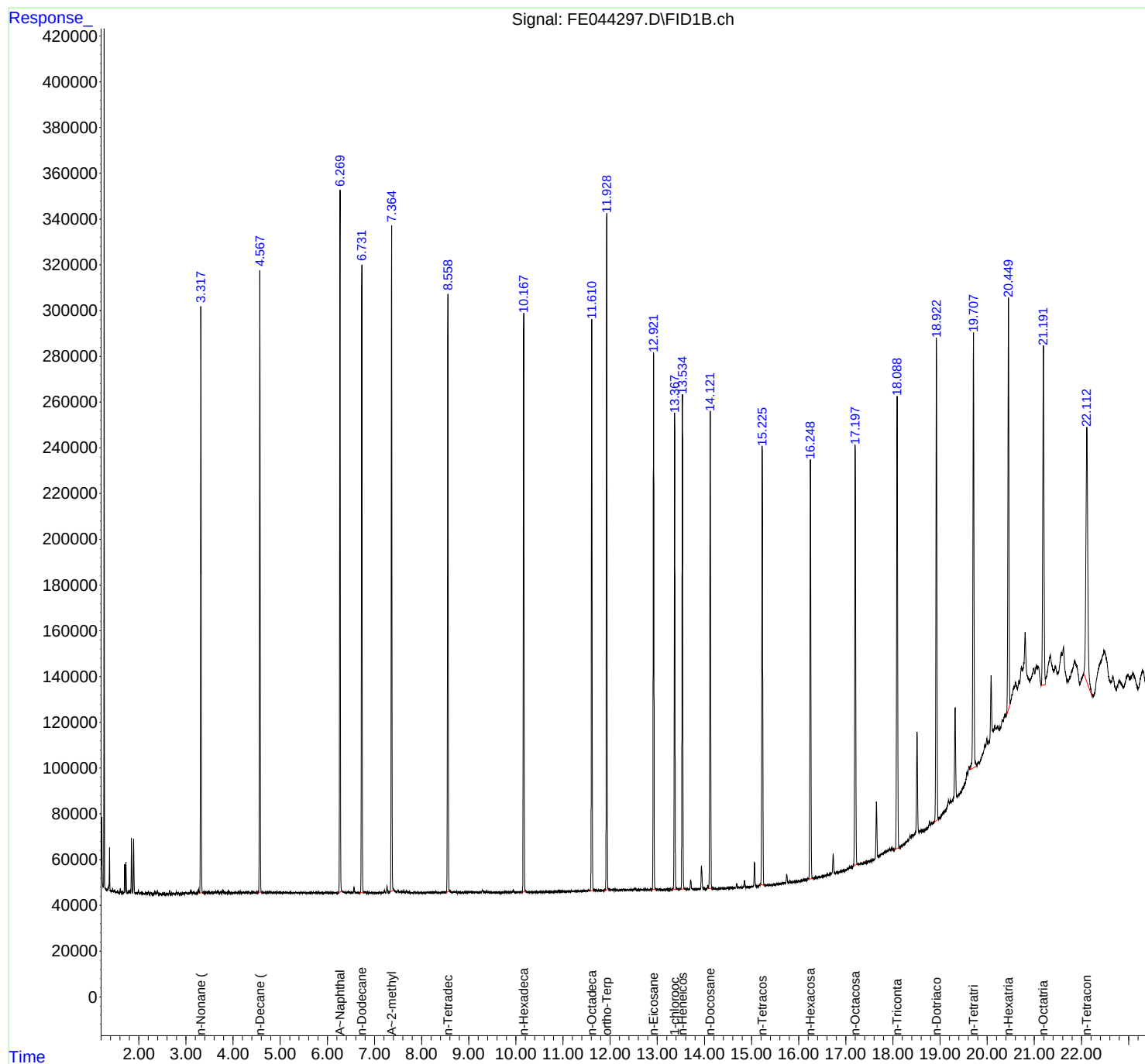
Instrument :
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20 PPM ALIPHATIC HC STD

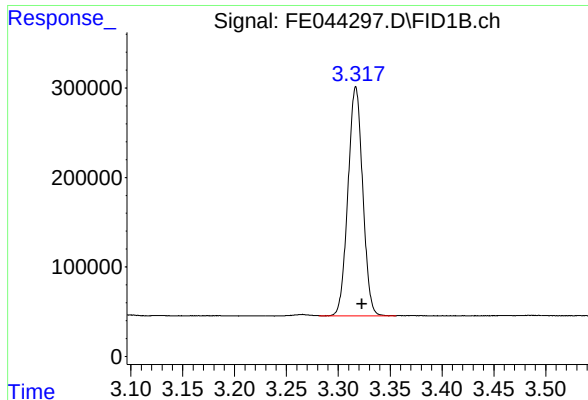
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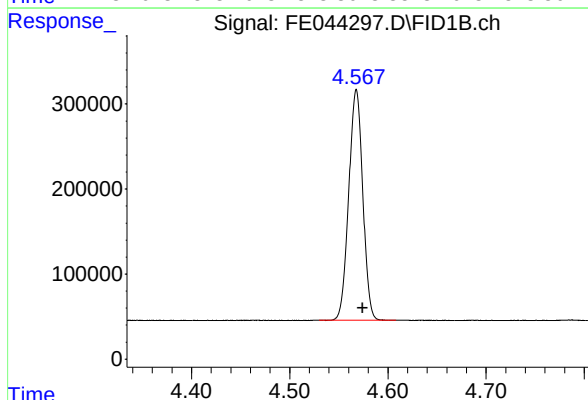
#1 n-Nonane (C9)

R.T.: 3.317 min
Delta R.T.: -0.006 min
Response: 2528254
Conc: 15.50 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

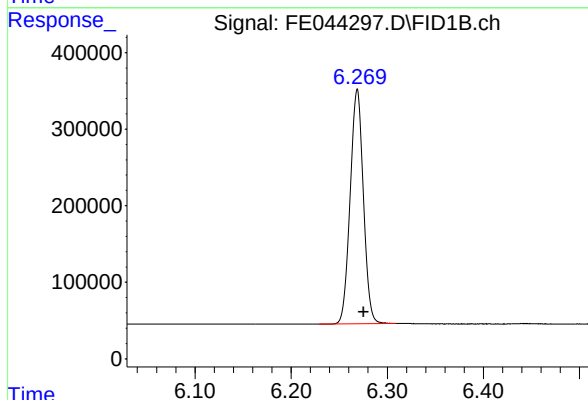
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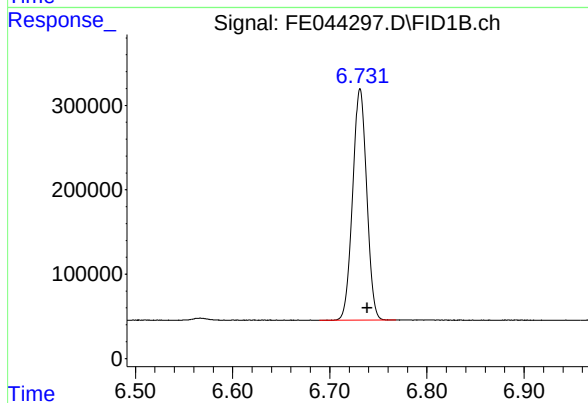
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: -0.006 min
Response: 2694136
Conc: 16.21 ug/ml



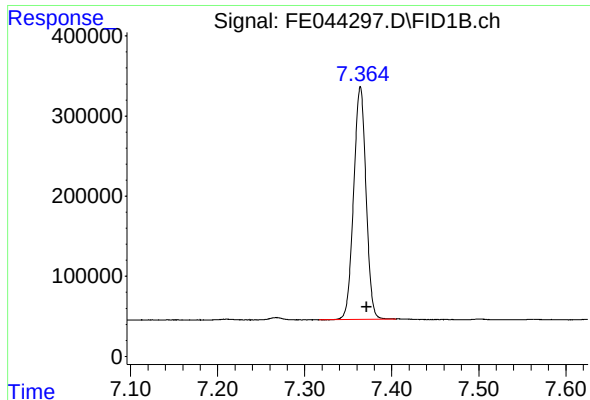
#3 A~Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: -0.006 min
Response: 2922835
Conc: 16.32 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.731 min
Delta R.T.: -0.008 min
Response: 2747816
Conc: 16.34 ug/ml



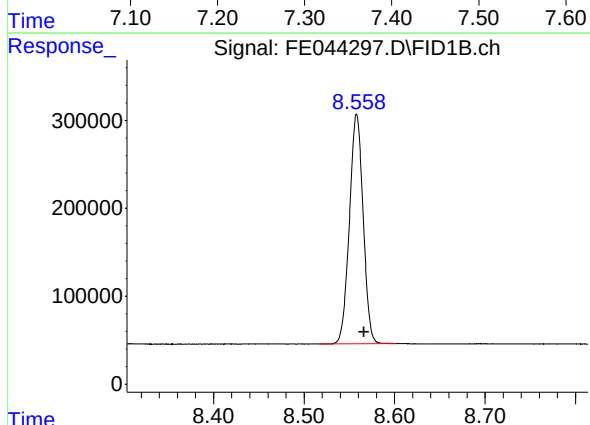
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.364 min
Delta R.T.: -0.007 min
Response: 2864944
Conc: 16.71 ug/ml

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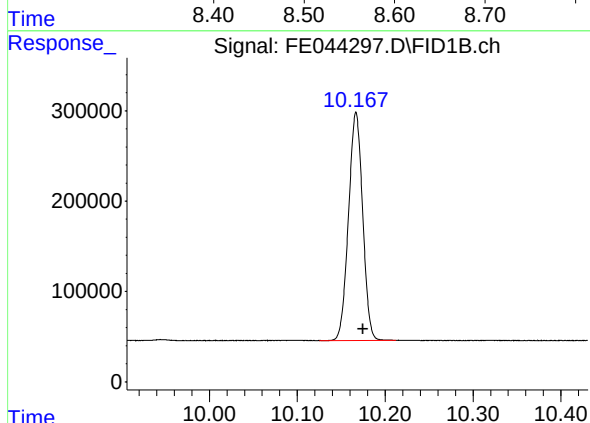
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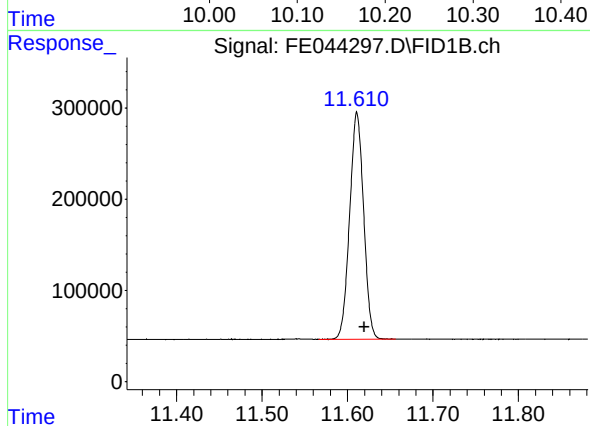
#6 n-Tetradecane (C14)

R.T.: 8.558 min
Delta R.T.: -0.008 min
Response: 2750264
Conc: 16.40 ug/ml



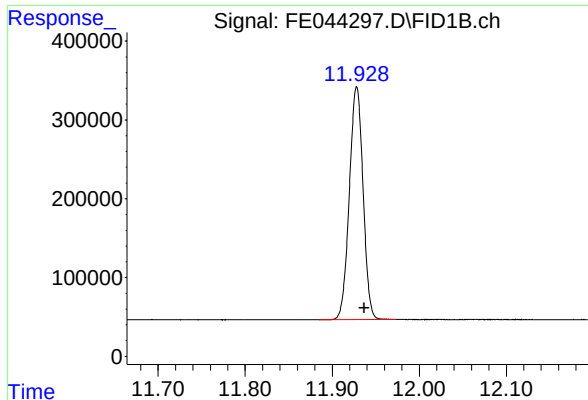
#7 n-Hexadecane (C16)

R.T.: 10.167 min
Delta R.T.: -0.008 min
Response: 2825791
Conc: 16.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.611 min
Delta R.T.: -0.009 min
Response: 2826637
Conc: 16.24 ug/ml



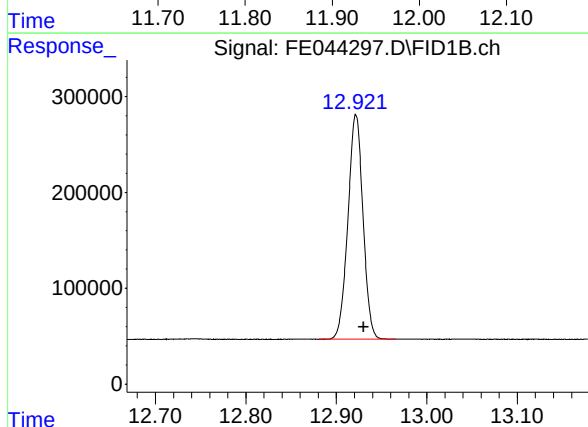
#9 ortho-Terphenyl (SURR)

R.T.: 11.928 min
Delta R.T.: -0.009 min
Response: 3231425
Conc: 17.06 ug/ml

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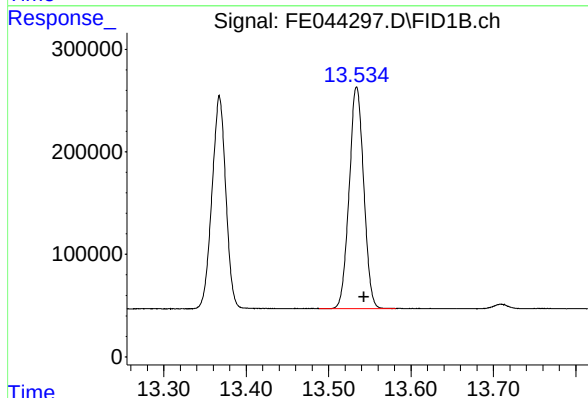
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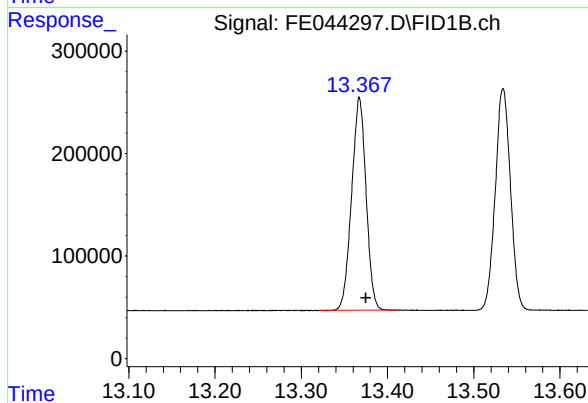
#10 n-Eicosane (C20)

R.T.: 12.922 min
Delta R.T.: -0.008 min
Response: 2713120
Conc: 16.40 ug/ml



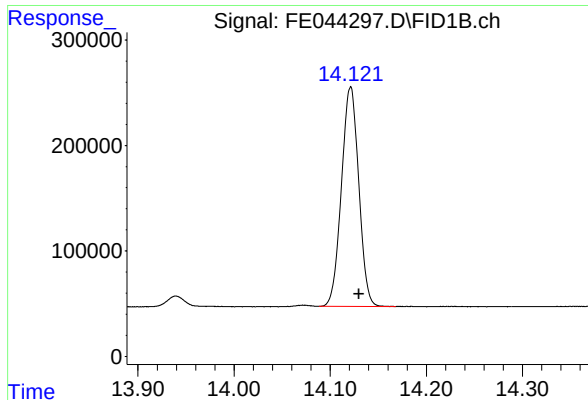
#11 n-Heneicosane (C21)

R.T.: 13.534 min
Delta R.T.: -0.009 min
Response: 2647267
Conc: 16.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.368 min
Delta R.T.: -0.007 min
Response: 2418051
Conc: 17.50 ug/ml



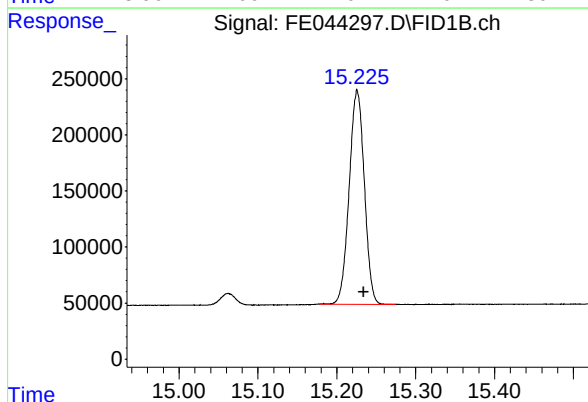
#13 n-Docosane (C22)

R.T.: 14.121 min
Delta R.T.: -0.009 min
Response: 2611201
Conc: 16.34 ug/ml

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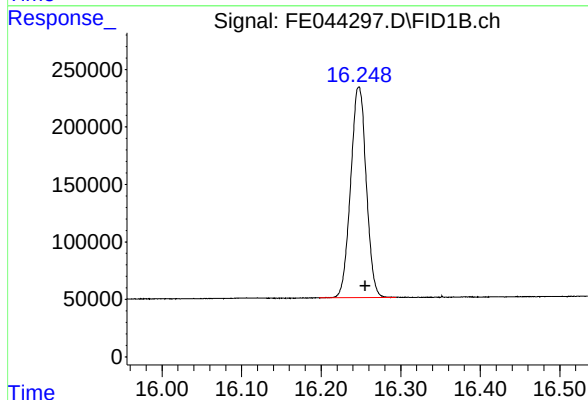
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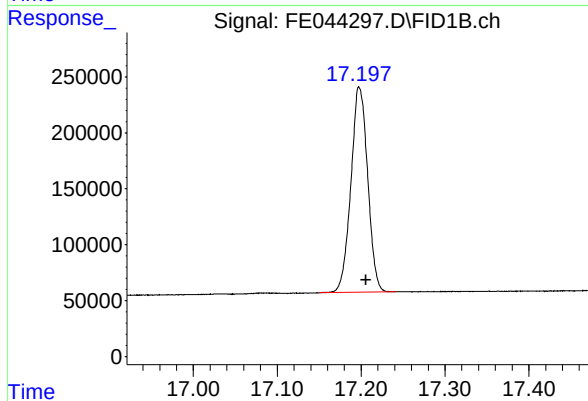
#14 n-Tetracosane (C24)

R.T.: 15.226 min
Delta R.T.: -0.008 min
Response: 2546758
Conc: 16.29 ug/ml



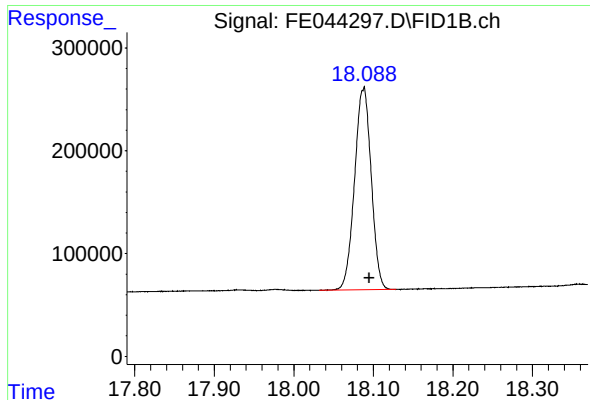
#15 n-Hexacosane (C26)

R.T.: 16.247 min
Delta R.T.: -0.008 min
Response: 2494797
Conc: 16.55 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.198 min
Delta R.T.: -0.008 min
Response: 2547244
Conc: 17.65 ug/ml



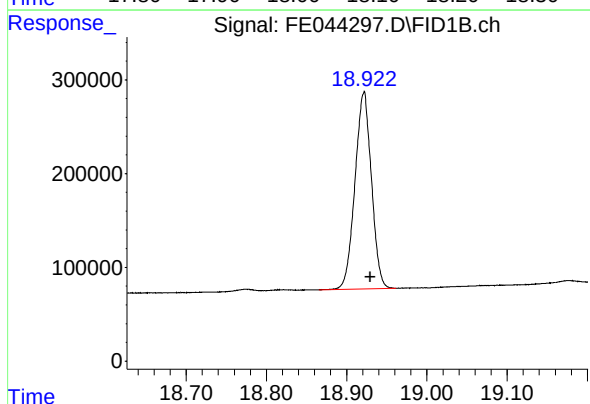
#17 n-Tricontane (C30)

R.T.: 18.088 min
Delta R.T.: -0.007 min
Response: 2855992
Conc: 19.66 ug/ml

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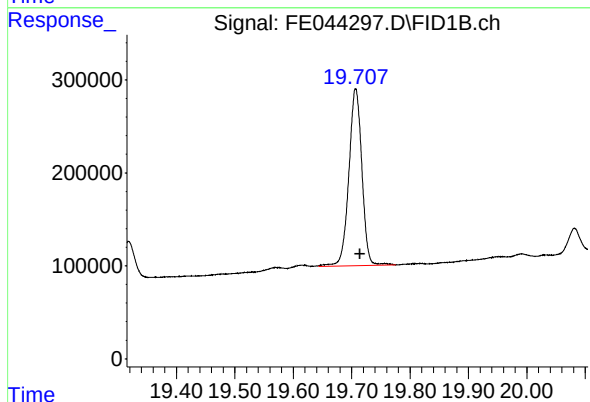
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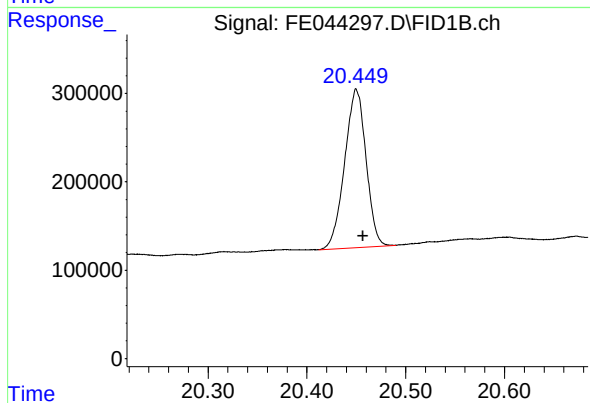
#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: -0.008 min
Response: 2991660
Conc: 21.00 ug/ml



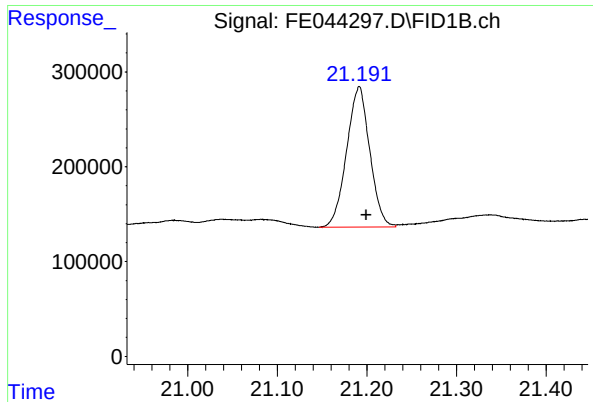
#19 n-Tetratriacontane (C34)

R.T.: 19.707 min
Delta R.T.: -0.008 min
Response: 2958492
Conc: 21.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.449 min
Delta R.T.: -0.007 min
Response: 2700908
Conc: 19.70 ug/ml m



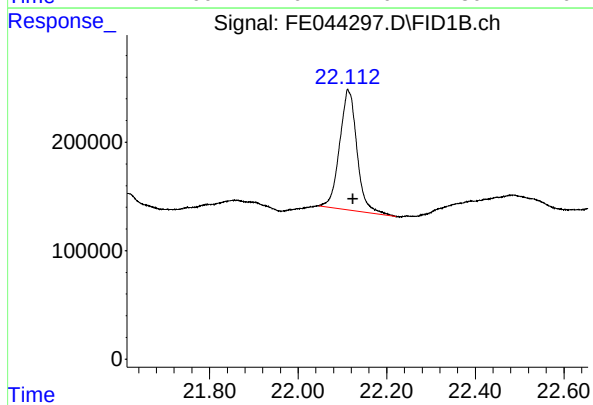
#21 n-Octatriacontane (C38)

R.T.: 21.192 min
Delta R.T.: -0.008 min
Response: 2657946
Conc: 19.15 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.112 min
Delta R.T.: -0.012 min
Response: 3022237
Conc: 21.86 ug/ml m