

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061923AL\
 Data File : FE042694.D
 Signal(s) : FID1B.ch
 Acq On : 19 Jun 2023 09:25
 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 06/20/2023
 Supervised By :Ankita Jodhani 06/20/2023

Integration File: autoint1.e
 Quant Time: Jun 20 01:53:00 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061723.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 19 02:33:05 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)	11.930	3761324	19.424 ug/ml
Spiked Amount 50.000		Recovery =	38.85%
12) S 1-chlorooctadecane (S...	13.366	2805344	19.456 ug/ml
Spiked Amount 50.000		Recovery =	38.91%
Target Compounds			
1) T n-Nonane (C9)	3.308	2973022	19.025 ug/ml
2) T n-Decane (C10)	4.560	3035351	19.025 ug/ml
3) T A~Naphthalene (C11.7)	6.269	3329270	19.369 ug/ml
4) T n-Dodecane (C12)	6.729	3079366	19.027 ug/ml
5) T A~2-methylnaphthalene...	7.366	3215190	19.422 ug/ml
6) T n-Tetradecane (C14)	8.559	3063276	19.005 ug/ml
7) T n-Hexadecane (C16)	10.166	3201232	19.027 ug/ml
8) T n-Octadecane (C18)	11.610	3280993	19.122 ug/ml
10) T n-Eicosane (C20)	12.920	3203771	19.304 ug/ml
11) T n-Heneicosane (C21)	13.532	3166306	19.436 ug/ml
13) T n-Docosane (C22)	14.119	3152688	19.548 ug/ml
14) T n-Tetracosane (C24)	15.222	3132527	19.830 ug/ml
15) T n-Hexacosane (C26)	16.244	3036169	20.093 ug/ml
16) T n-Octacosane (C28)	17.193	2884621	20.150 ug/ml
17) T n-Tricontane (C30)	18.082	2837277	20.124 ug/ml
18) T n-Dotriacontane (C32)	18.914	2720856	19.990 ug/ml
19) T n-Tetratriacontane (C34)	19.697	2611791	19.754 ug/ml
20) T n-Hexatriacontane (C36)	20.438	2490407	19.364 ug/ml
21) T n-Octatriacontane (C38)	21.182	2460132	18.999 ug/ml
22) T n-Tetracontane (C40)	22.104	2464076	18.903 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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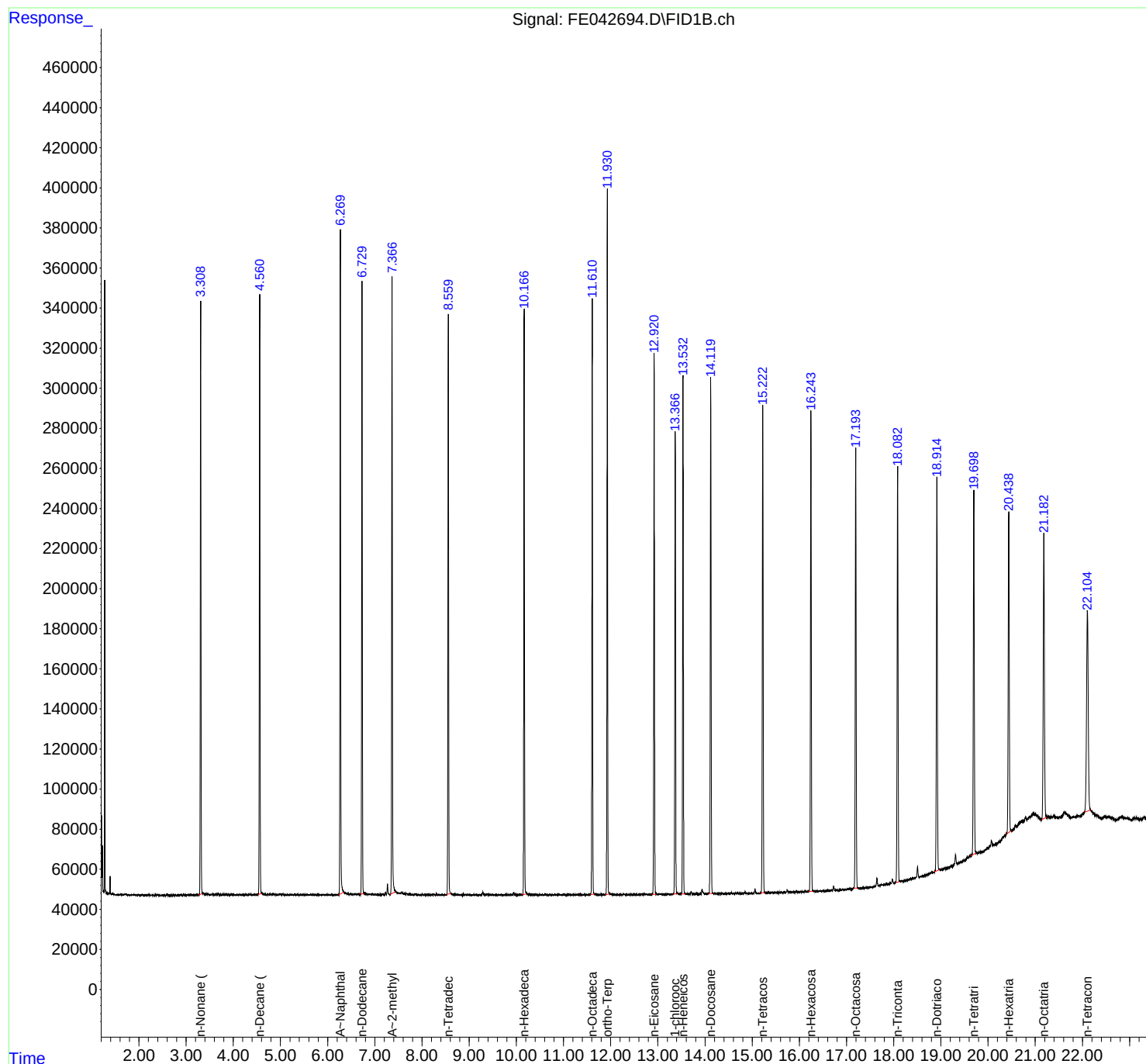
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

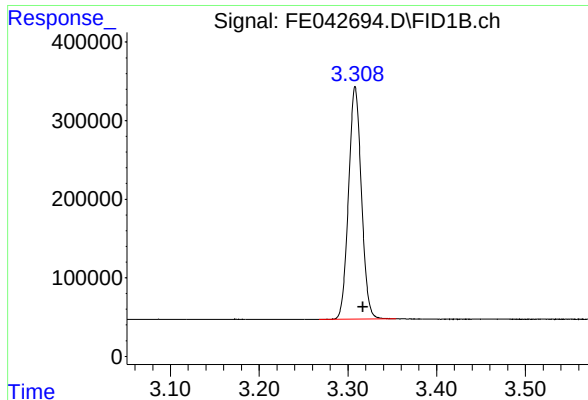
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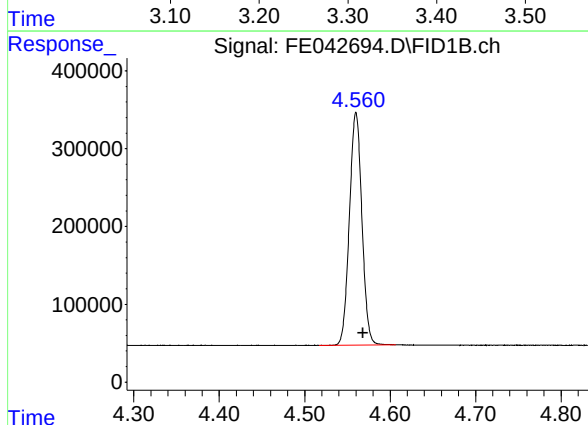
#1 n-Nonane (C9)

R.T.: 3.308 min
Delta R.T.: -0.009 min
Response: 2973022
Conc: 19.03 ug/ml

Instrument : FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

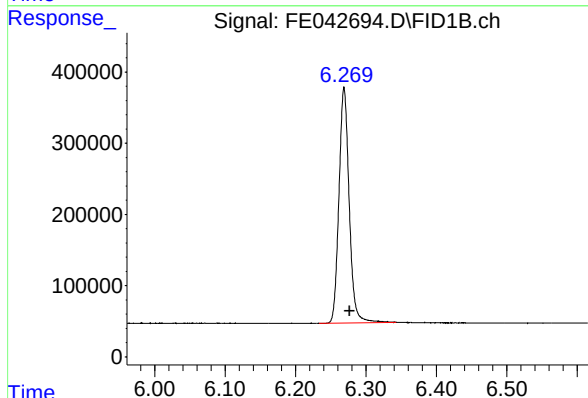
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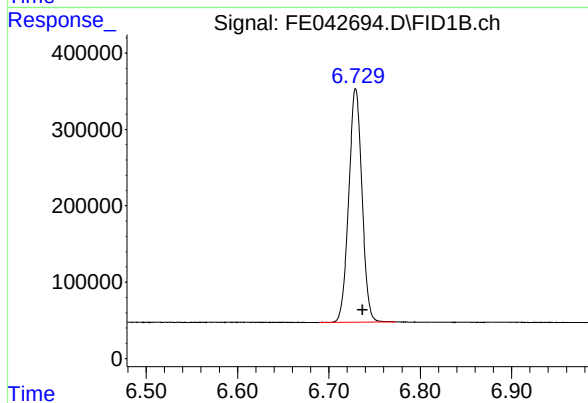
#2 n-Decane (C10)

R.T.: 4.560 min
Delta R.T.: -0.008 min
Response: 3035351
Conc: 19.02 ug/ml



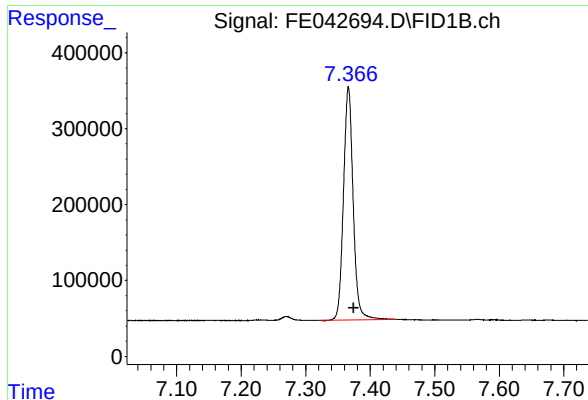
#3 A~Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: -0.008 min
Response: 3329270
Conc: 19.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.729 min
Delta R.T.: -0.008 min
Response: 3079366
Conc: 19.03 ug/ml



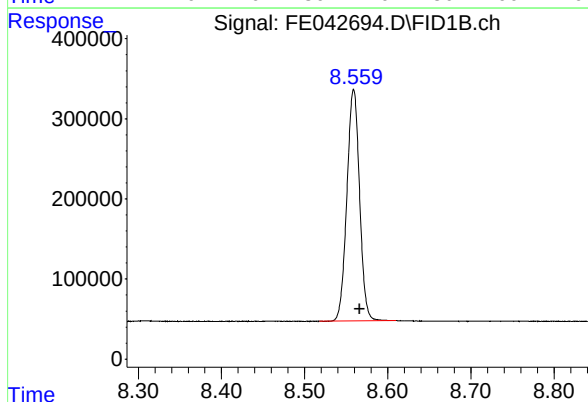
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.366 min
Delta R.T.: -0.008 min
Response: 3215190
Conc: 19.42 ug/ml

Instrument : FID_E
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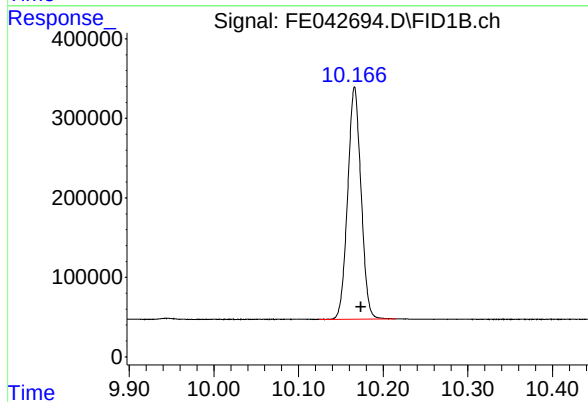
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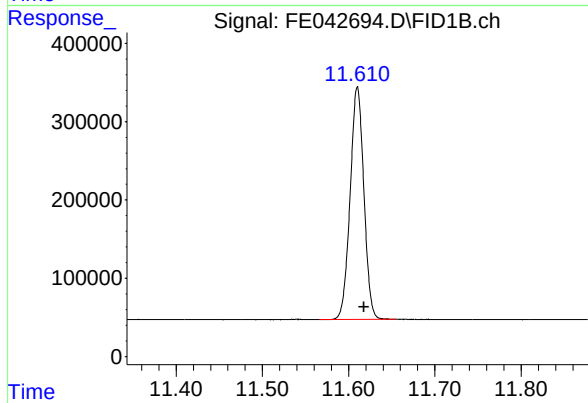
#6 n-Tetradecane (C14)

R.T.: 8.559 min
Delta R.T.: -0.007 min
Response: 3063276
Conc: 19.00 ug/ml



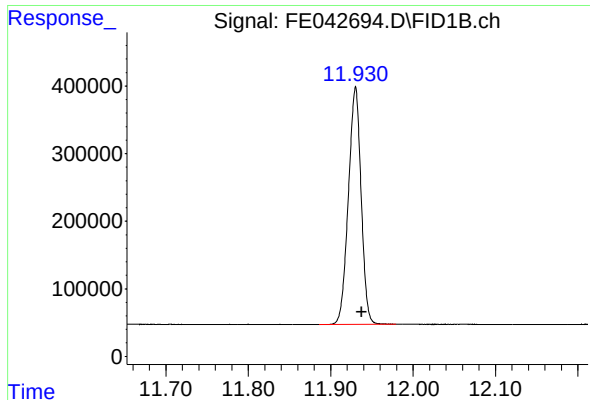
#7 n-Hexadecane (C16)

R.T.: 10.166 min
Delta R.T.: -0.008 min
Response: 3201232
Conc: 19.03 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.610 min
Delta R.T.: -0.008 min
Response: 3280993
Conc: 19.12 ug/ml



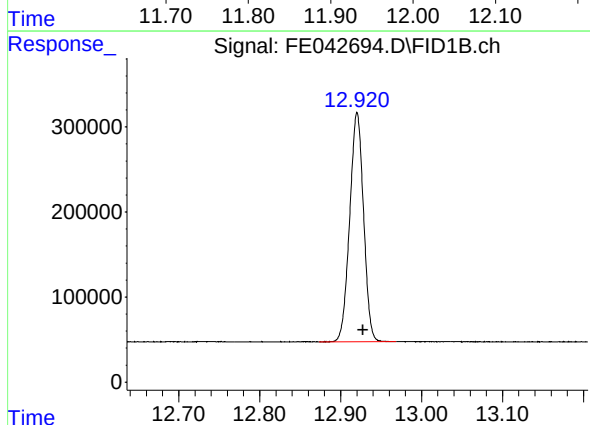
#9 ortho-Terphenyl (SURR)

R.T.: 11.930 min
Delta R.T.: -0.007 min
Response: 3761324
Conc: 19.42 ug/ml

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20 PPM ALIPHATIC HC STD

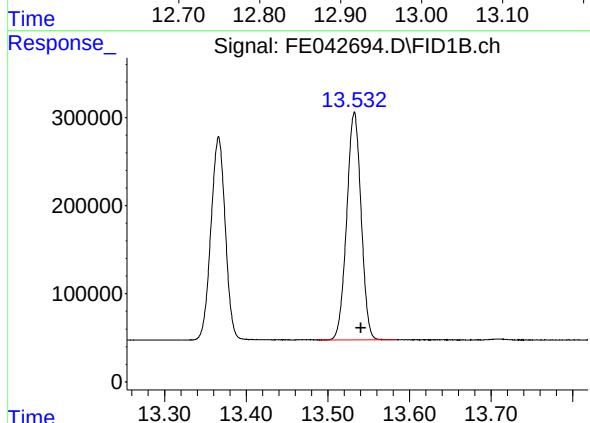
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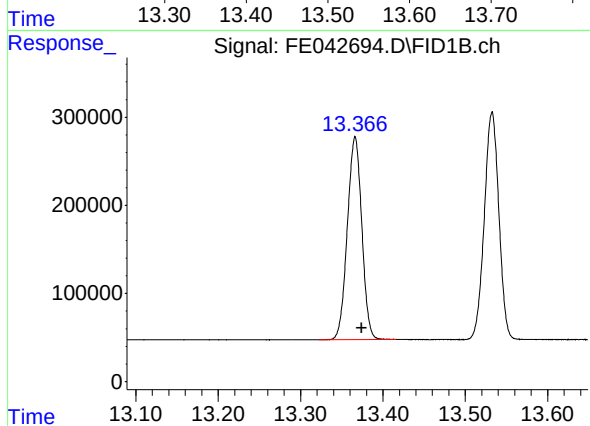
#10 n-Eicosane (C20)

R.T.: 12.920 min
Delta R.T.: -0.007 min
Response: 3203771
Conc: 19.30 ug/ml



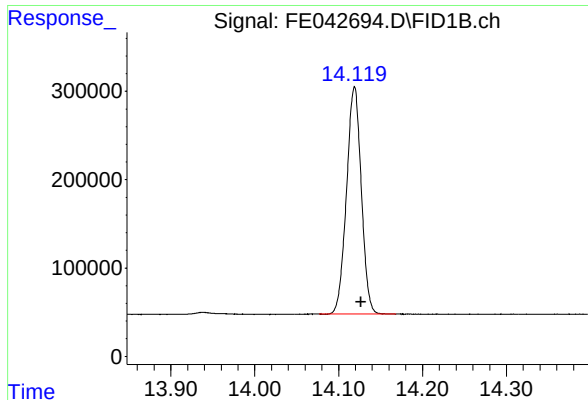
#11 n-Heneicosane (C21)

R.T.: 13.532 min
Delta R.T.: -0.008 min
Response: 3166306
Conc: 19.44 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.366 min
Delta R.T.: -0.008 min
Response: 2805344
Conc: 19.46 ug/ml



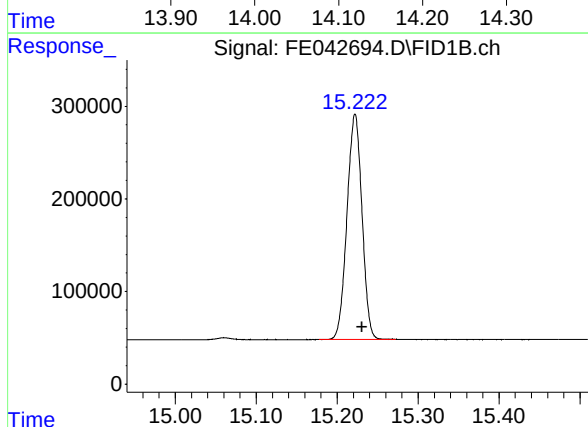
#13 n-Docosane (C22)

R.T.: 14.119 min
Delta R.T.: -0.008 min
Response: 3152688
Conc: 19.55 ug/ml

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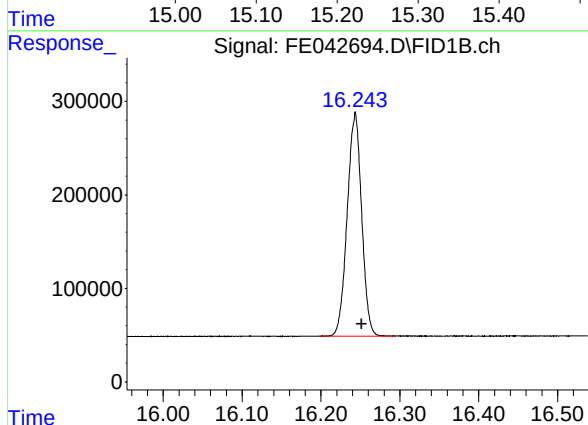
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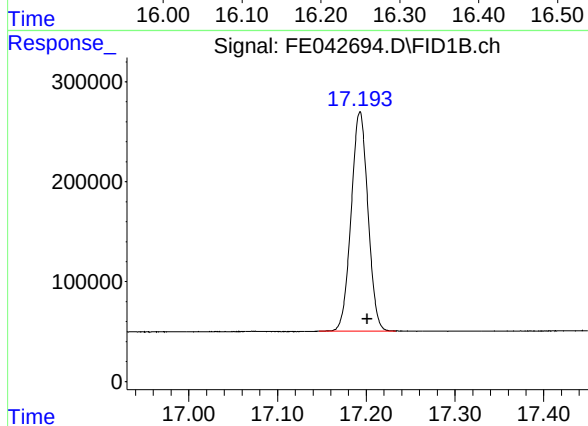
#14 n-Tetracosane (C24)

R.T.: 15.222 min
Delta R.T.: -0.008 min
Response: 3132527
Conc: 19.83 ug/ml



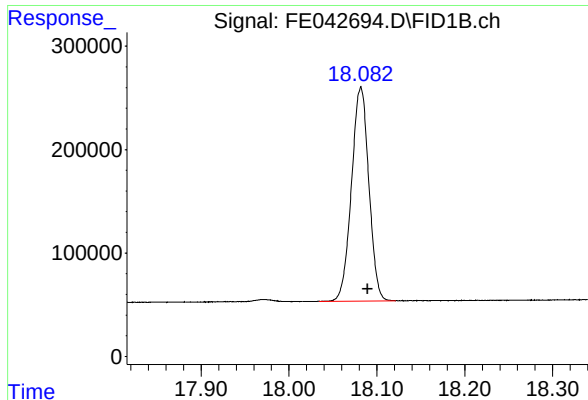
#15 n-Hexacosane (C26)

R.T.: 16.244 min
Delta R.T.: -0.008 min
Response: 3036169
Conc: 20.09 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.193 min
Delta R.T.: -0.008 min
Response: 2884621
Conc: 20.15 ug/ml



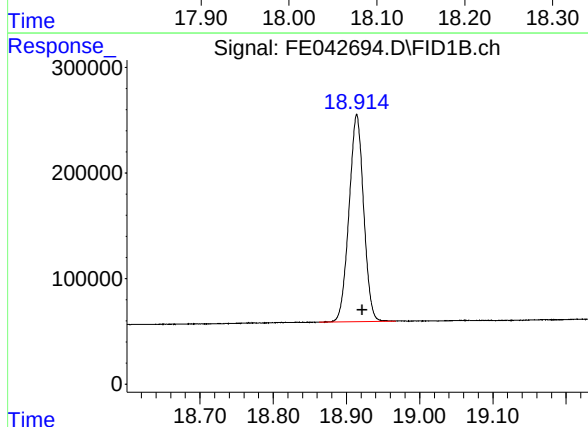
#17 n-Tricontane (C30)

R.T.: 18.082 min
Delta R.T.: -0.008 min
Response: 2837277
Conc: 20.12 ug/ml

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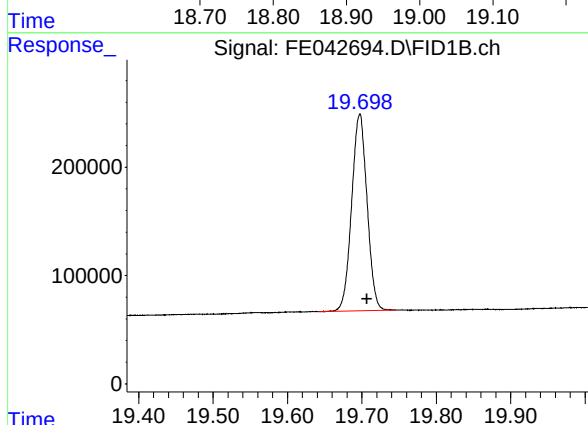
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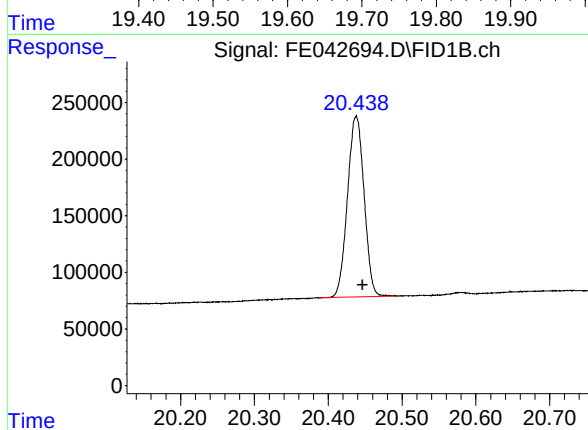
#18 n-Dotriacontane (C32)

R.T.: 18.914 min
Delta R.T.: -0.008 min
Response: 2720856
Conc: 19.99 ug/ml



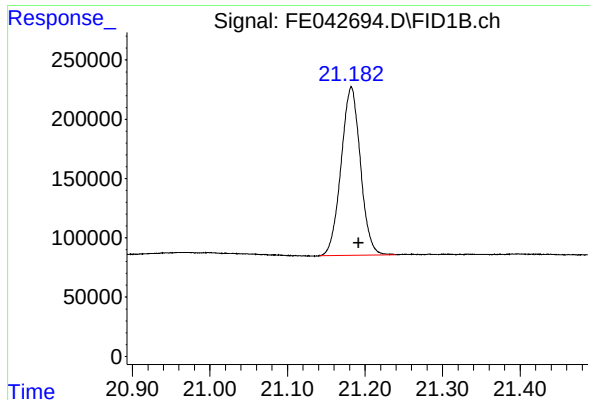
#19 n-Tetatriacontane (C34)

R.T.: 19.697 min
Delta R.T.: -0.010 min
Response: 2611791
Conc: 19.75 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.438 min
Delta R.T.: -0.009 min
Response: 2490407
Conc: 19.36 ug/ml



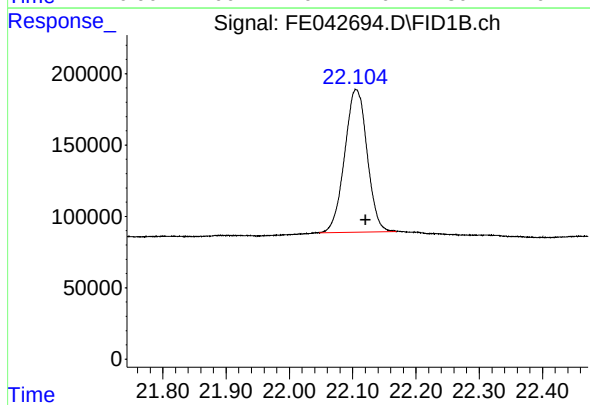
#21 n-Octatriacontane (C38)

R.T.: 21.182 min
Delta R.T.: -0.010 min
Response: 2460132
Conc: 19.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.104 min
Delta R.T.: -0.017 min
Response: 2464076
Conc: 18.90 ug/ml m