

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE053023AL\
 Data File : FE042269.D
 Signal(s) : FID1B.ch
 Acq On : 30 May 2023 08:56
 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 05/31/2023
 Supervised By :Ankita Jodhani 05/31/2023

Integration File: autoint1.e
 Quant Time: May 30 12:21:57 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051823.M
 Quant Title : GC Extractables
 QLast Update : Thu May 18 06:27:12 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)	11.959	3790689	21.467 ug/ml
Spiked Amount 50.000		Recovery =	42.93%
12) S 1-chlorooctadecane (S...	13.394	2778086	20.907 ug/ml
Spiked Amount 50.000		Recovery =	41.81%
Target Compounds			
1) T n-Nonane (C9)	3.340	3116083	21.610 ug/ml
2) T n-Decane (C10)	4.591	3215218	21.719 ug/ml
3) T A~Naphthalene (C11.7)	6.299	3534820	21.665 ug/ml
4) T n-Dodecane (C12)	6.759	3264059	21.767 ug/ml
5) T A~2-methylnaphthalene...	7.396	3420574	21.553 ug/ml
6) T n-Tetradecane (C14)	8.588	3242496	21.644 ug/ml
7) T n-Hexadecane (C16)	10.196	3356352	21.547 ug/ml
8) T n-Octadecane (C18)	11.639	3385040	21.406 ug/ml
10) T n-Eicosane (C20)	12.949	3234203	21.336 ug/ml
11) T n-Heneicosane (C21)	13.561	3157969	21.316 ug/ml
13) T n-Docosane (C22)	14.147	3123360	21.306 ug/ml
14) T n-Tetracosane (C24)	15.250	3051668	21.140 ug/ml
15) T n-Hexacosane (C26)	16.271	2965596	21.413 ug/ml
16) T n-Octacosane (C28)	17.221	2907780	21.719 ug/ml
17) T n-Tricontane (C30)	18.108	3032543	22.465 ug/ml
18) T n-Dotriacontane (C32)	18.941	3032127	22.697 ug/ml
19) T n-Tetratriacontane (C34)	19.724	2850833	21.678 ug/mlm
20) T n-Hexatriacontane (C36)	20.464	2726944	20.981 ug/ml
21) T n-Octatriacontane (C38)	21.212	2700453	19.904 ug/ml
22) T n-Tetracontane (C40)	22.147	2677598	19.247 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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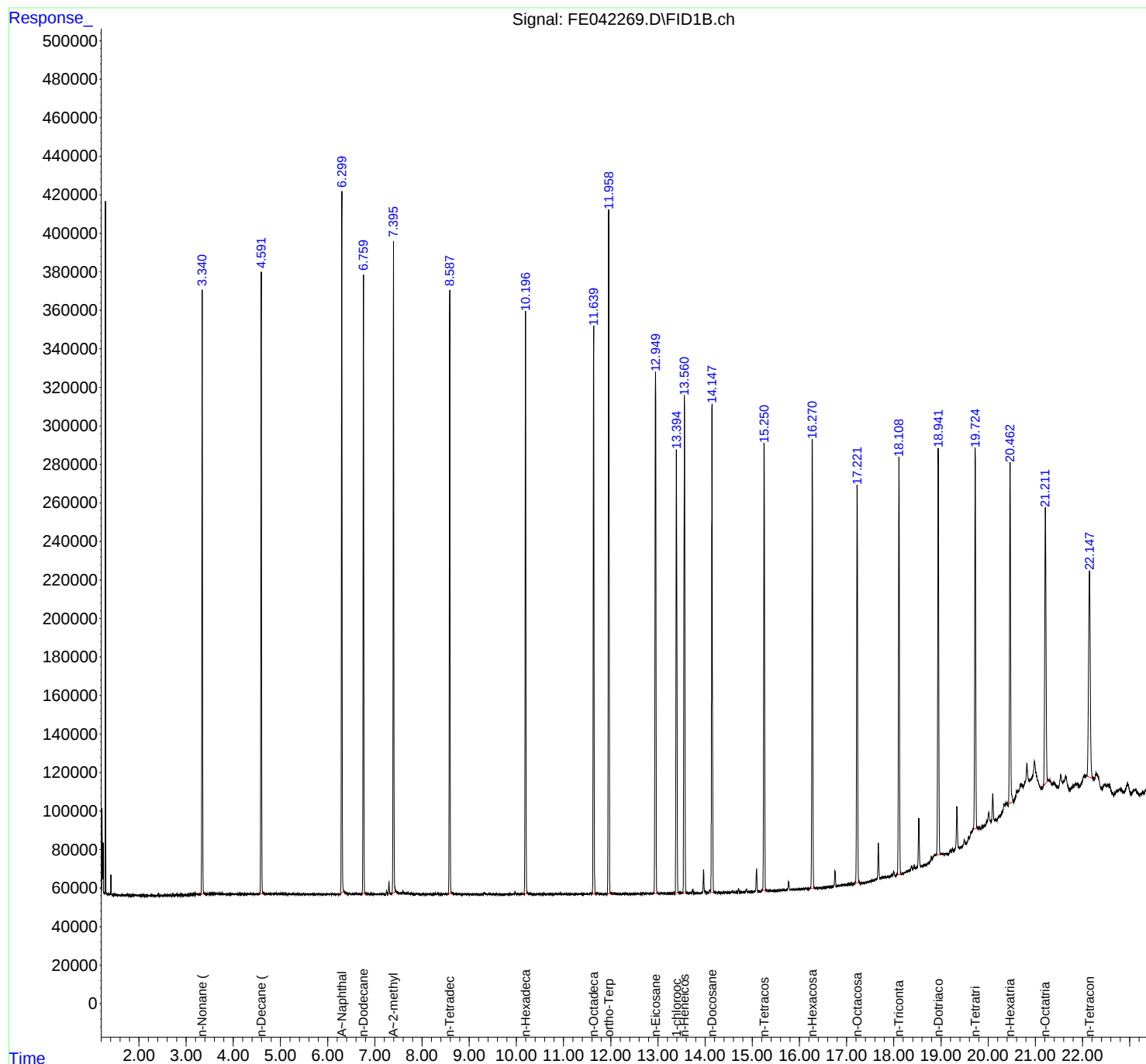
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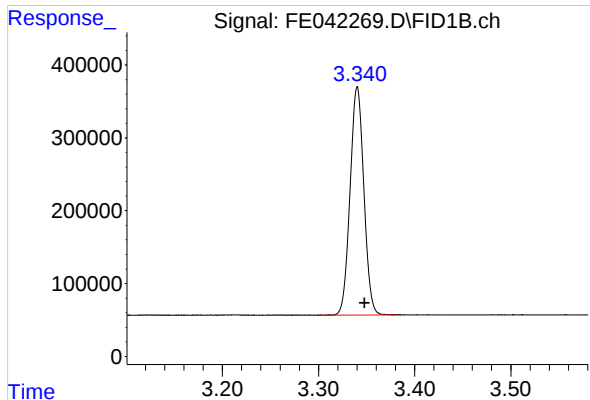
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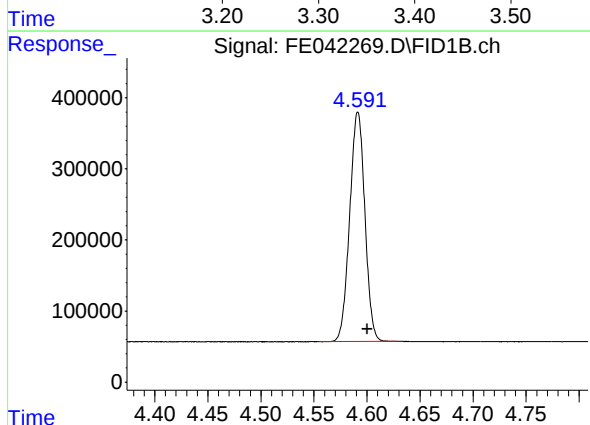
#1 n-Nonane (C9)

R.T.: 3.340 min
Delta R.T.: -0.008 min
Response: 3116083
Conc: 21.61 ug/ml

Instrument :
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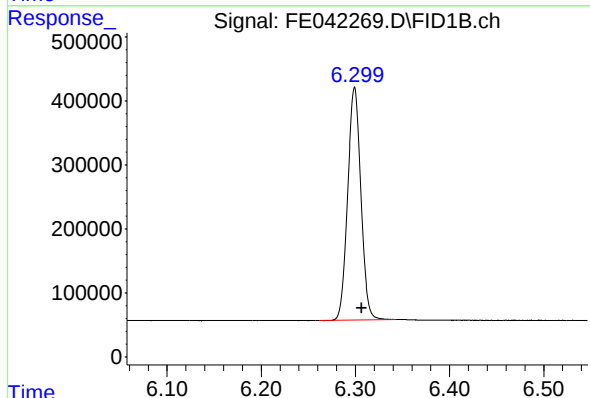
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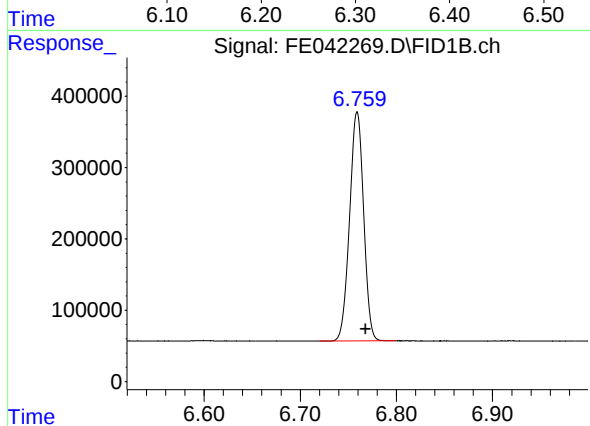
#2 n-Decane (C10)

R.T.: 4.591 min
Delta R.T.: -0.009 min
Response: 3215218
Conc: 21.72 ug/ml



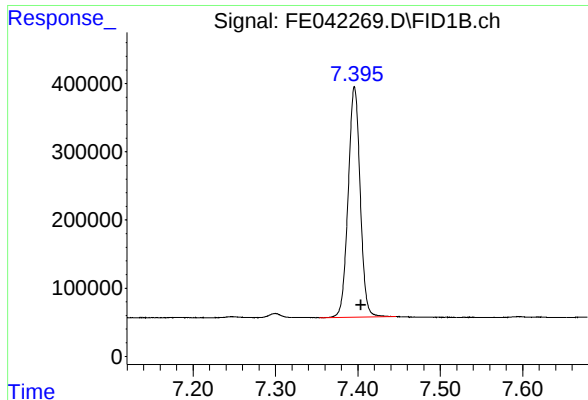
#3 A~Naphthalene (C11.7)

R.T.: 6.299 min
Delta R.T.: -0.008 min
Response: 3534820
Conc: 21.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.759 min
Delta R.T.: -0.009 min
Response: 3264059
Conc: 21.77 ug/ml



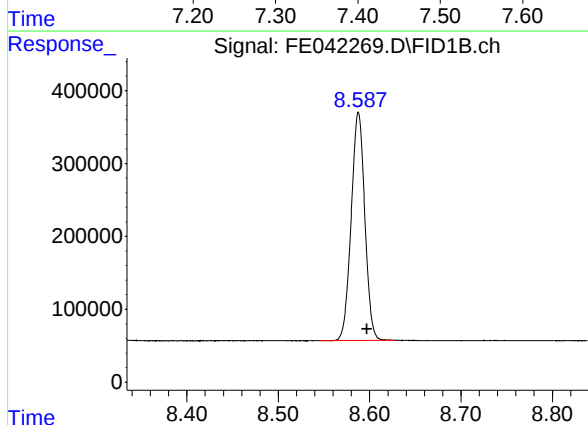
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.396 min
Delta R.T.: -0.008 min
Response: 3420574
Conc: 21.55 ug/ml

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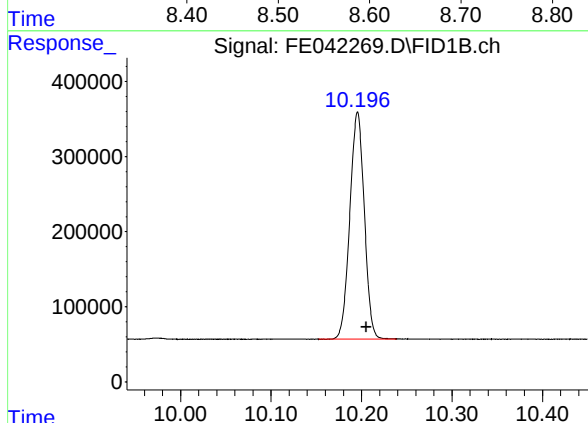
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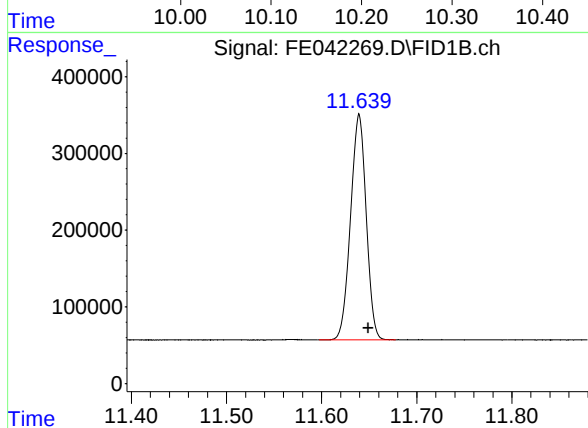
#6 n-Tetradecane (C14)

R.T.: 8.588 min
Delta R.T.: -0.009 min
Response: 3242496
Conc: 21.64 ug/ml



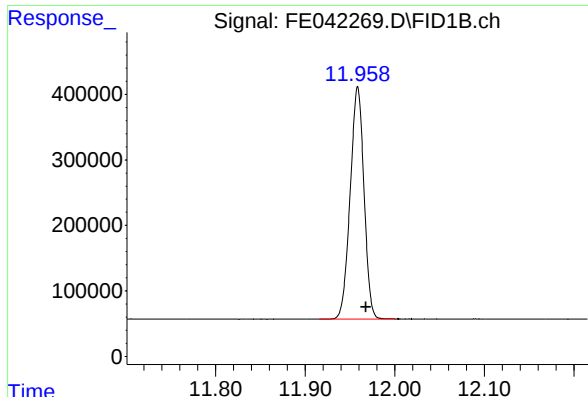
#7 n-Hexadecane (C16)

R.T.: 10.196 min
Delta R.T.: -0.010 min
Response: 3356352
Conc: 21.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.639 min
Delta R.T.: -0.010 min
Response: 3385040
Conc: 21.41 ug/ml



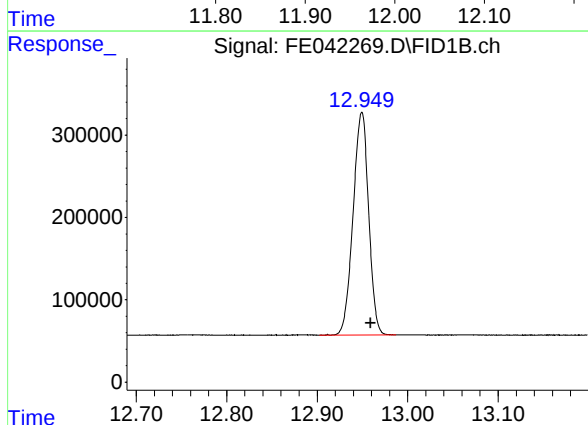
#9 ortho-Terphenyl (SURR)

R.T.: 11.959 min
Delta R.T.: -0.009 min
Response: 3790689
Conc: 21.47 ug/ml

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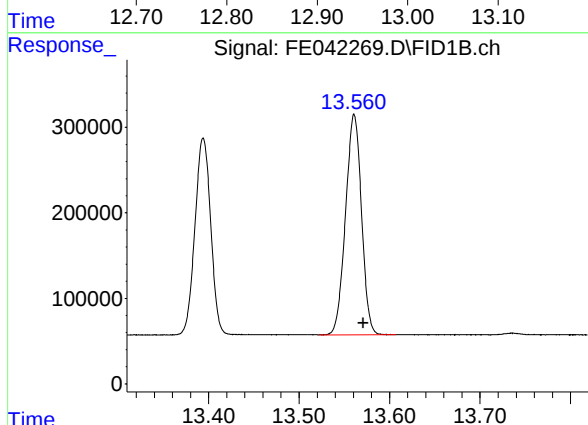
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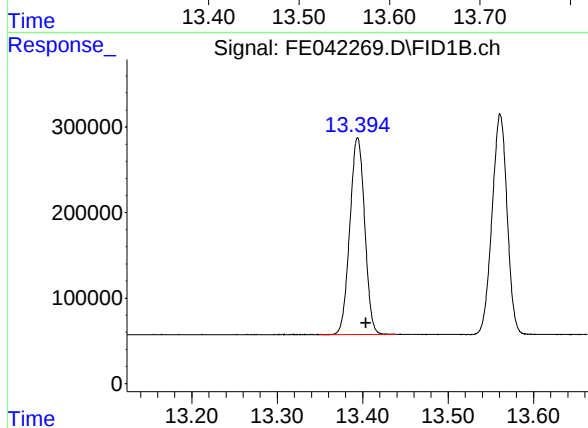
#10 n-Eicosane (C20)

R.T.: 12.949 min
Delta R.T.: -0.010 min
Response: 3234203
Conc: 21.34 ug/ml



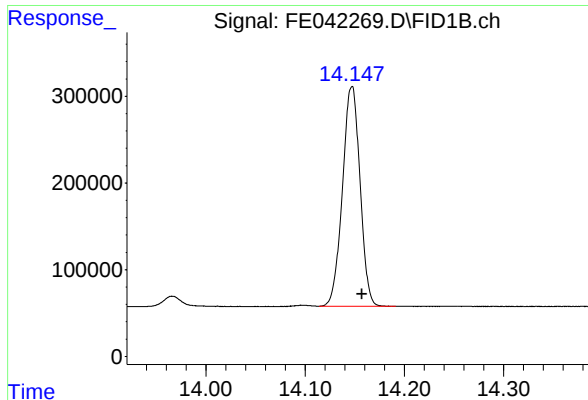
#11 n-Heneicosane (C21)

R.T.: 13.561 min
Delta R.T.: -0.010 min
Response: 3157969
Conc: 21.32 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.394 min
Delta R.T.: -0.010 min
Response: 2778086
Conc: 20.91 ug/ml



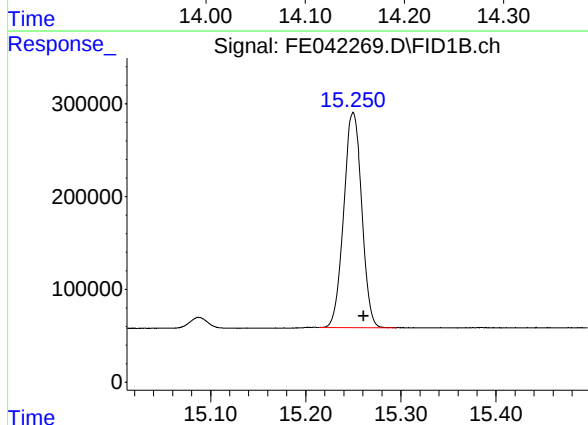
#13 n-Docosane (C22)

R.T.: 14.147 min
Delta R.T.: -0.010 min
Response: 3123360
Conc: 21.31 ug/ml

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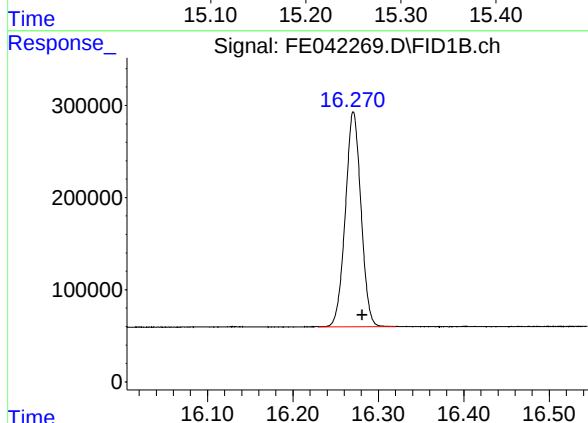
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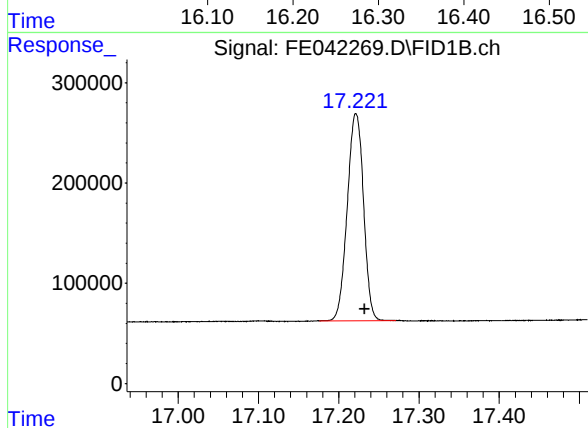
#14 n-Tetracosane (C24)

R.T.: 15.250 min
Delta R.T.: -0.011 min
Response: 3051668
Conc: 21.14 ug/ml



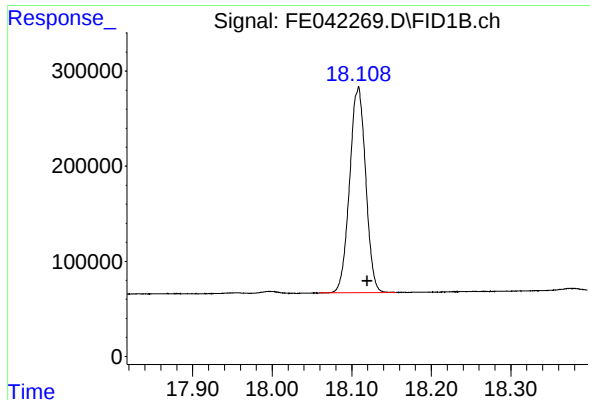
#15 n-Hexacosane (C26)

R.T.: 16.271 min
Delta R.T.: -0.010 min
Response: 2965596
Conc: 21.41 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.221 min
Delta R.T.: -0.011 min
Response: 2907780
Conc: 21.72 ug/ml



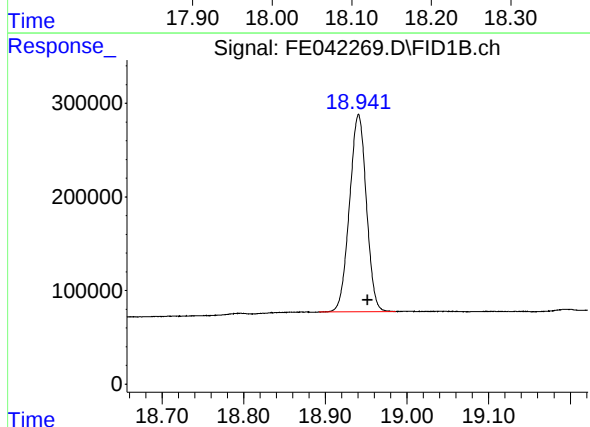
#17 n-Tricontane (C30)

R.T.: 18.108 min
Delta R.T.: -0.011 min
Response: 3032543
Conc: 22.46 ug/ml

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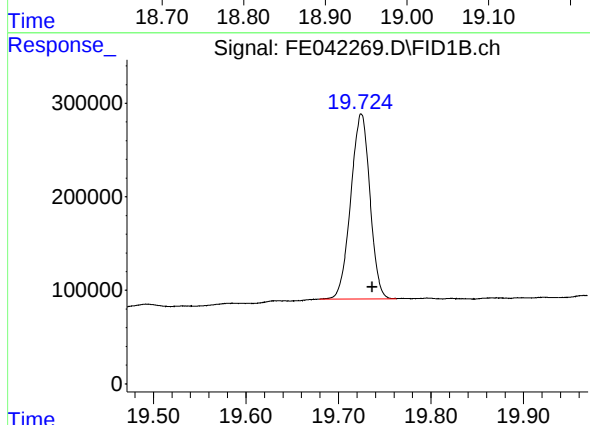
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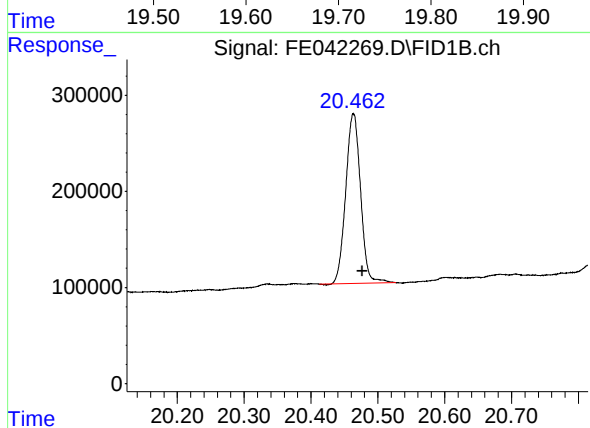
#18 n-Dotriacontane (C32)

R.T.: 18.941 min
Delta R.T.: -0.011 min
Response: 3032127
Conc: 22.70 ug/ml



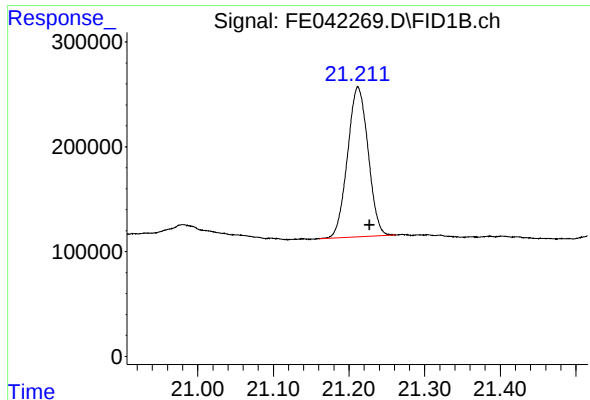
#19 n-Tetratriacontane (C34)

R.T.: 19.724 min
Delta R.T.: -0.013 min
Response: 2850833
Conc: 21.68 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.464 min
Delta R.T.: -0.013 min
Response: 2726944
Conc: 20.98 ug/ml



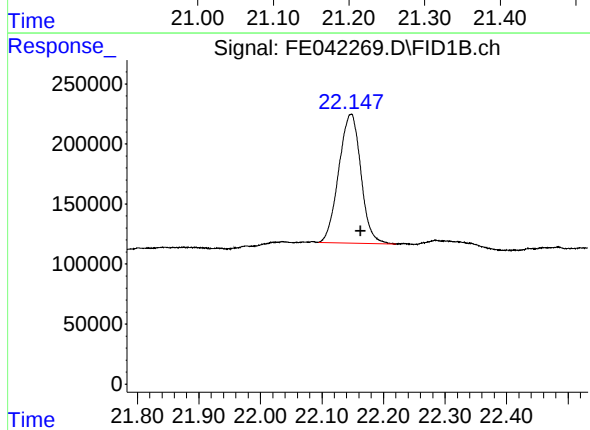
#21 n-Octatriacontane (C38)

R.T.: 21.212 min
Delta R.T.: -0.015 min
Response: 2700453
Conc: 19.90 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.147 min
Delta R.T.: -0.016 min
Response: 2677598
Conc: 19.25 ug/ml m