

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112624AL\
 Data File : FE051462.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2024 12:16
 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 11/27/2024
 Supervised By :Ankita Jodhani 11/27/2024

Integration File: autoint1.e
 Quant Time: Nov 27 00:32:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 07 04:56:04 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)	11.835	3023606	20.145 ug/ml
Spiked Amount 50.000		Recovery =	40.29%
12) S 1-chlorooctadecane (S...	13.268	2314161	20.384 ug/ml
Spiked Amount 50.000		Recovery =	40.77%
Target Compounds			
1) T n-Nonane (C9)	3.226	2684353	19.400 ug/ml
2) T n-Decane (C10)	4.474	2772515	19.779 ug/ml
3) T A~Naphthalene (C11.7)	6.188	2473746	18.762 ug/ml
4) T n-Dodecane (C12)	6.641	2794187	19.789 ug/ml
5) T A~2-methylnaphthalene...	7.285	2271957	18.162 ug/ml
6) T n-Tetradecane (C14)	8.467	2747607	19.715 ug/ml
7) T n-Hexadecane (C16)	10.073	2839550	20.010 ug/ml
8) T n-Octadecane (C18)	11.514	2867765	20.082 ug/ml
10) T n-Eicosane (C20)	12.821	2782321	20.330 ug/ml
11) T n-Heneicosane (C21)	13.432	2725306	20.392 ug/ml
13) T n-Docosane (C22)	14.018	2703967	20.338 ug/ml
14) T n-Tetracosane (C24)	15.119	2775200	20.920 ug/ml
15) T n-Hexacosane (C26)	16.138	2772326	20.709 ug/ml
16) T n-Octacosane (C28)	17.087	2866442	21.026 ug/ml
17) T n-Tricontane (C30)	17.974	3104982	21.371 ug/mlm
18) T n-Dotriacontane (C32)	18.806	3120397	21.015 ug/ml
19) T n-Tetratriacontane (C34)	19.588	2705354	20.134 ug/ml
20) T n-Hexatriacontane (C36)	20.328	2324320	19.480 ug/ml
21) T n-Octatriacontane (C38)	21.048	2077383	18.252 ug/ml
22) T n-Tetracontane (C40)	21.924	2123948	19.097 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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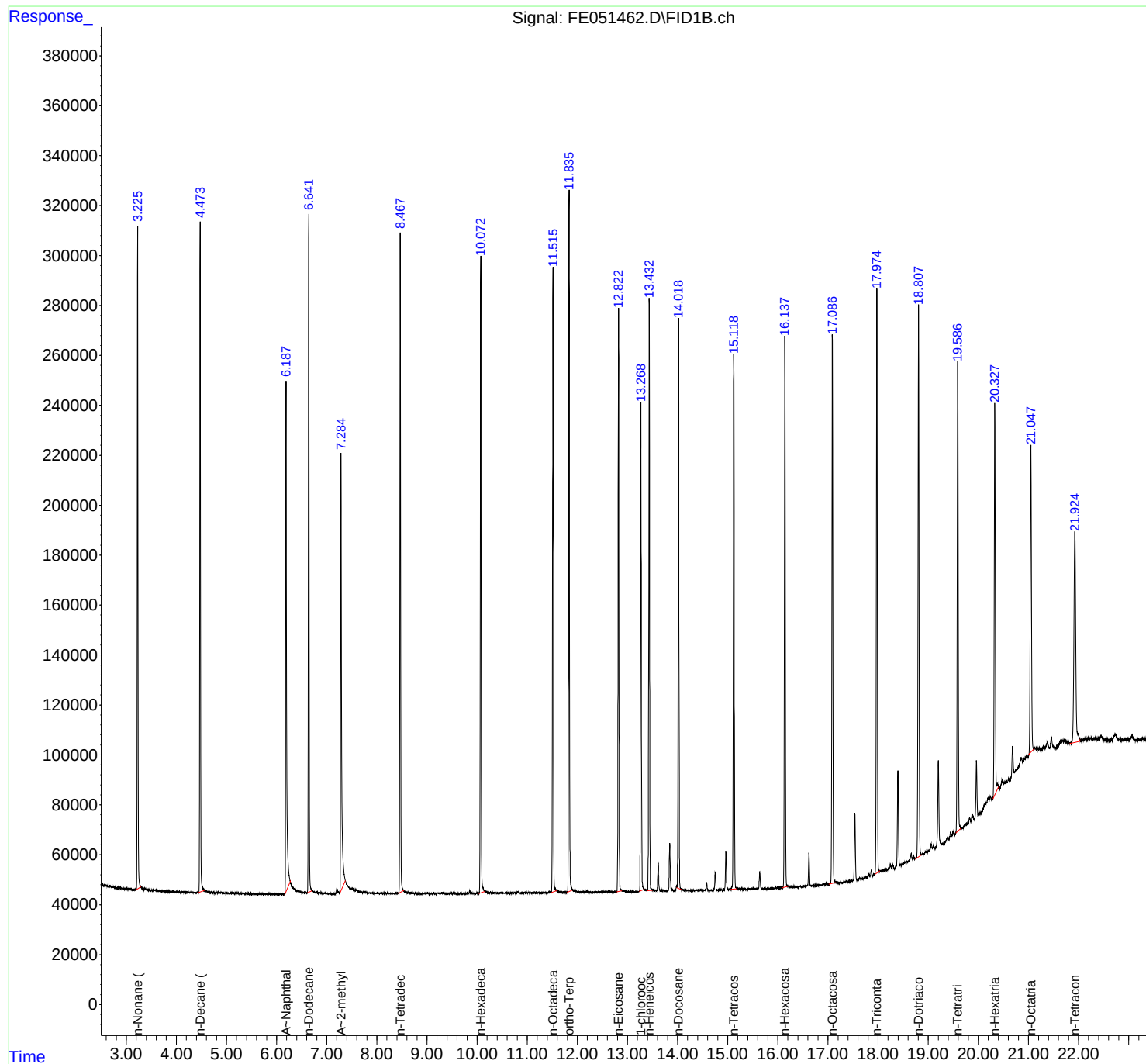
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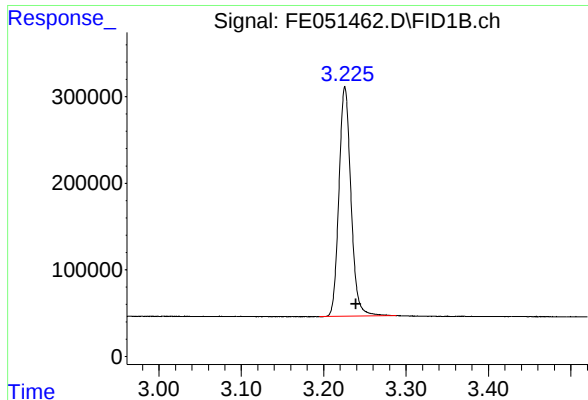
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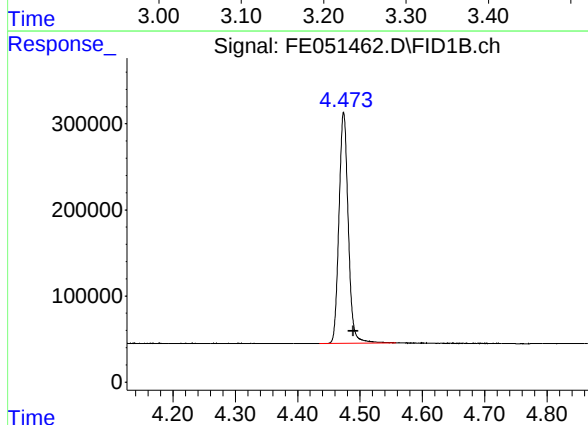
#1 n-Nonane (C9)

R.T.: 3.226 min
Delta R.T.: -0.013 min
Response: 2684353
Conc: 19.40 ug/ml

Instrument :
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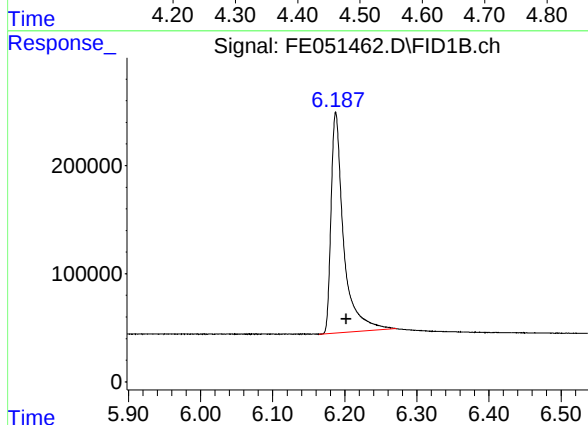
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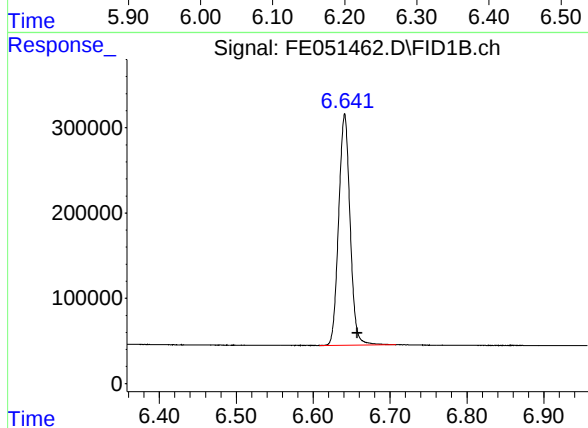
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: -0.015 min
Response: 2772515
Conc: 19.78 ug/ml



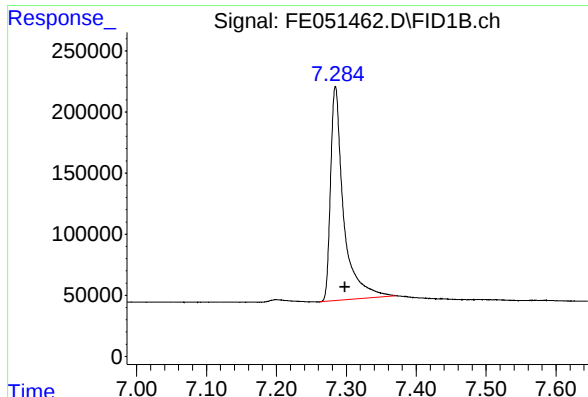
#3 A~Naphthalene (C11.7)

R.T.: 6.188 min
Delta R.T.: -0.014 min
Response: 2473746
Conc: 18.76 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.641 min
Delta R.T.: -0.016 min
Response: 2794187
Conc: 19.79 ug/ml



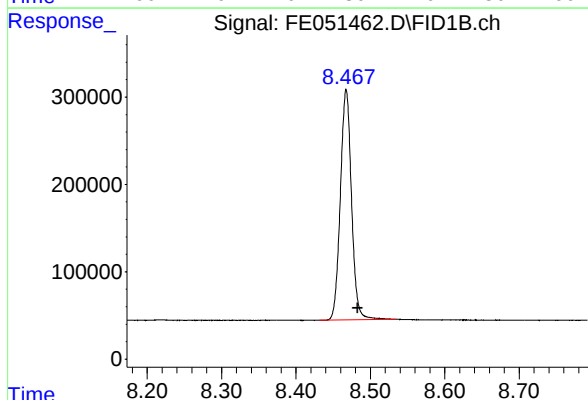
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.285 min
Delta R.T.: -0.013 min
Response: 2271957
Conc: 18.16 ug/ml

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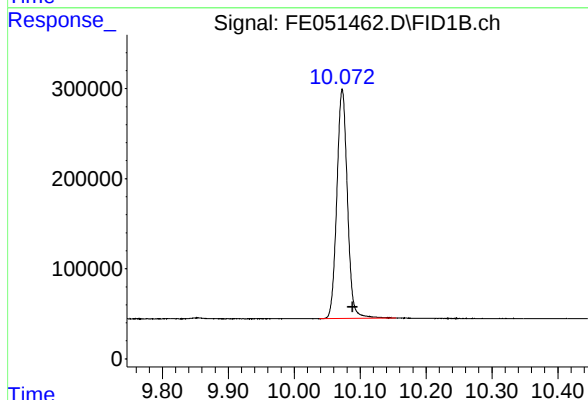
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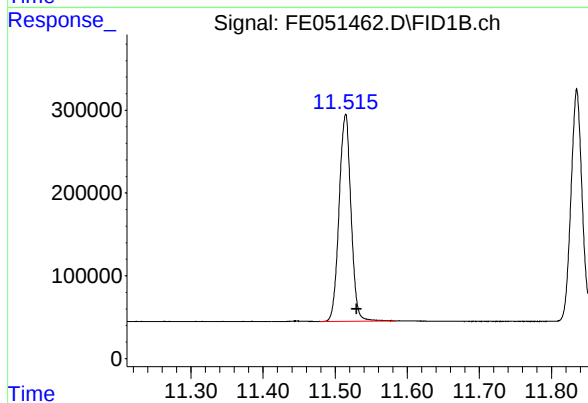
#6 n-Tetradecane (C14)

R.T.: 8.467 min
Delta R.T.: -0.016 min
Response: 2747607
Conc: 19.72 ug/ml



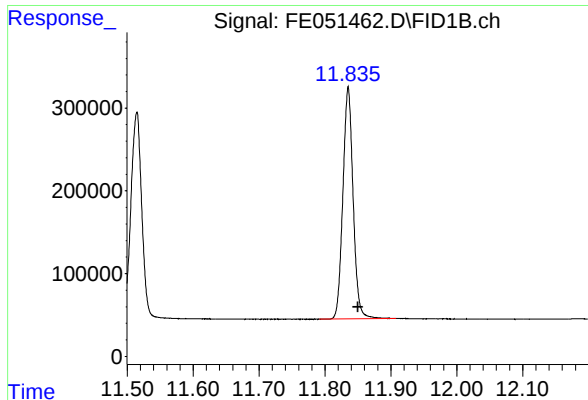
#7 n-Hexadecane (C16)

R.T.: 10.073 min
Delta R.T.: -0.016 min
Response: 2839550
Conc: 20.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.514 min
Delta R.T.: -0.016 min
Response: 2867765
Conc: 20.08 ug/ml



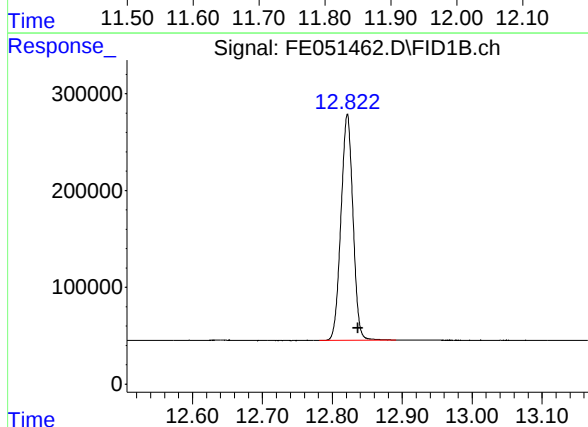
#9 ortho-Terphenyl (SURR)

R.T.: 11.835 min
Delta R.T.: -0.015 min
Response: 3023606
Conc: 20.14 ug/ml

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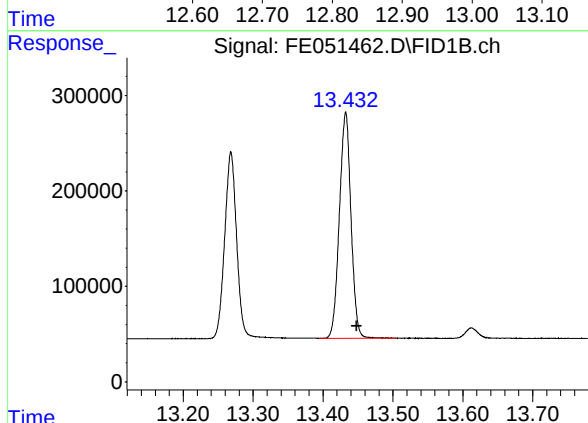
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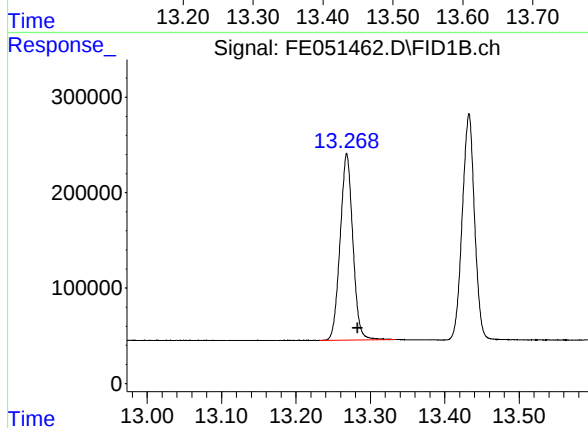
#10 n-Eicosane (C20)

R.T.: 12.821 min
Delta R.T.: -0.016 min
Response: 2782321
Conc: 20.33 ug/ml



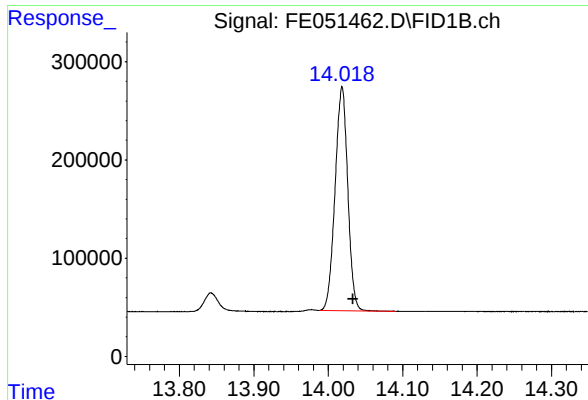
#11 n-Heneicosane (C21)

R.T.: 13.432 min
Delta R.T.: -0.016 min
Response: 2725306
Conc: 20.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.268 min
Delta R.T.: -0.015 min
Response: 2314161
Conc: 20.38 ug/ml



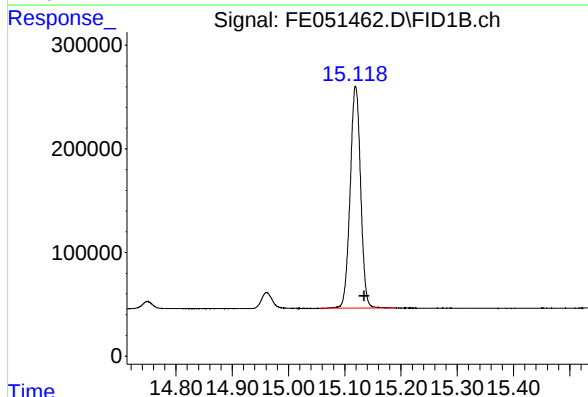
#13 n-Docosane (C22)

R.T.: 14.018 min
Delta R.T.: -0.015 min
Response: 2703967
Conc: 20.34 ug/ml

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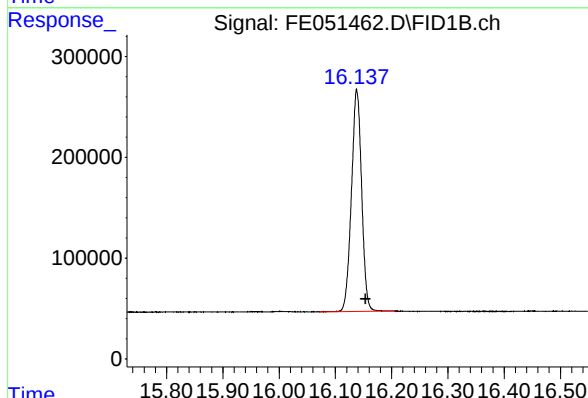
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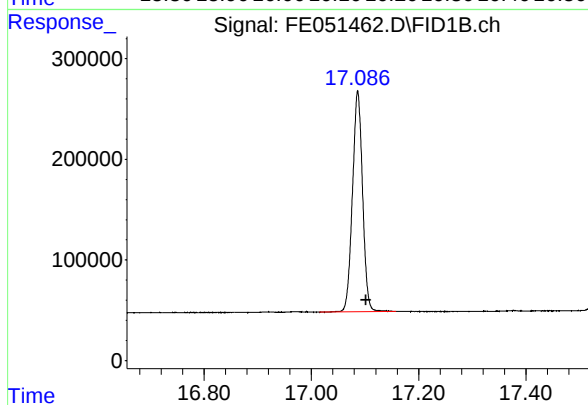
#14 n-Tetracosane (C24)

R.T.: 15.119 min
Delta R.T.: -0.015 min
Response: 2775200
Conc: 20.92 ug/ml



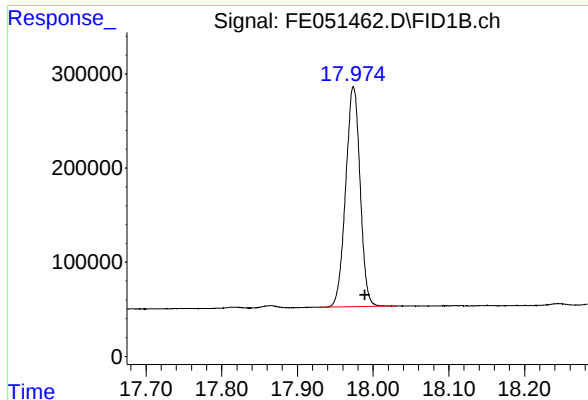
#15 n-Hexacosane (C26)

R.T.: 16.138 min
Delta R.T.: -0.015 min
Response: 2772326
Conc: 20.71 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.087 min
Delta R.T.: -0.015 min
Response: 2866442
Conc: 21.03 ug/ml



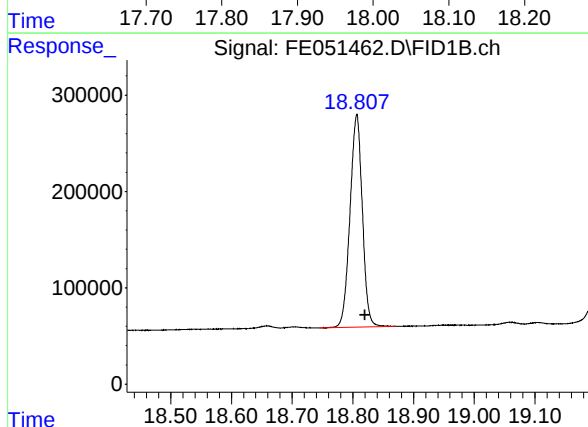
#17 n-Tricontane (C30)

R.T.: 17.974 min
Delta R.T.: -0.016 min
Response: 3104982
Conc: 21.37 ug/ml

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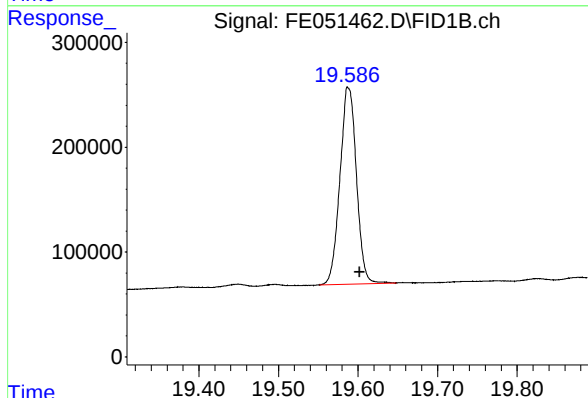
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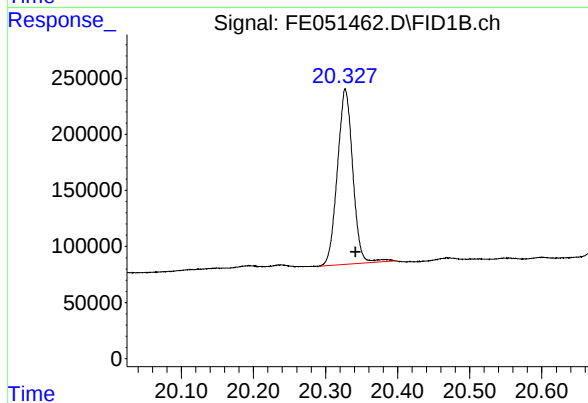
#18 n-Dotriacontane (C32)

R.T.: 18.806 min
Delta R.T.: -0.014 min
Response: 3120397
Conc: 21.02 ug/ml



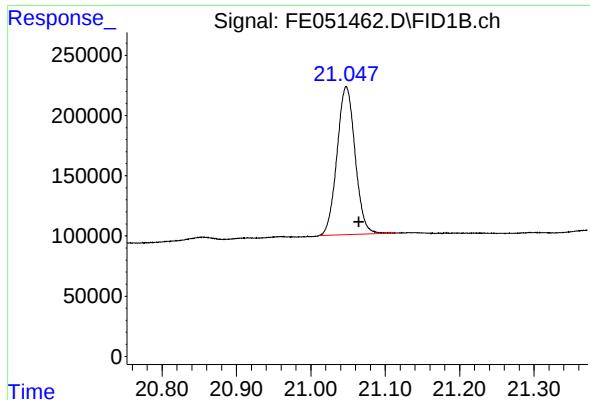
#19 n-Tetratriacontane (C34)

R.T.: 19.588 min
Delta R.T.: -0.014 min
Response: 2705354
Conc: 20.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.328 min
Delta R.T.: -0.014 min
Response: 2324320
Conc: 19.48 ug/ml



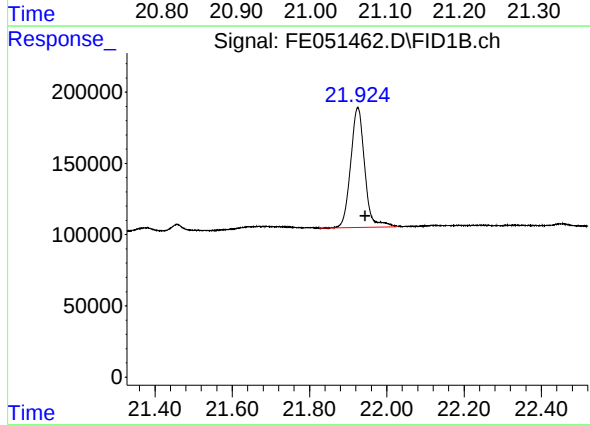
#21 n-Octatriacontane (C38)

R.T.: 21.048 min
Delta R.T.: -0.017 min
Response: 2077383
Conc: 18.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.924 min
Delta R.T.: -0.020 min
Response: 2123948
Conc: 19.10 ug/ml m