

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041425AL\
 Data File : FE053337.D
 Signal(s) : FID1B.ch
 Acq On : 14 Apr 2025 12:00
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/15/2025
 Supervised By :mohammad ahmed 04/16/2025

Integration File: sample.E
 Quant Time: Apr 15 02:35:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:44:53 2025
 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)	11.891	2930776	17.993 ug/ml
Spiked Amount 50.000		Recovery =	35.99%
12) S 1-chlorooctadecane (S...	13.337	2127704	17.724 ug/ml
Spiked Amount 50.000		Recovery =	35.45%
Target Compounds			
1) T n-Nonane (C9)	3.233	2582124	16.676 ug/ml
2) T n-Decane (C10)	4.494	2763870	17.620 ug/ml
3) T A~Naphthalene (C11.7)	6.208	2940831	17.506 ug/ml
4) T n-Dodecane (C12)	6.675	2802205	17.917 ug/ml
5) T A~2-methylnaphthalene...	7.311	2832856	17.754 ug/ml
6) T n-Tetradecane (C14)	8.513	2800007	18.287 ug/ml
7) T n-Hexadecane (C16)	10.127	2867835	18.605 ug/ml
8) T n-Octadecane (C18)	11.577	2847600	18.775 ug/ml
10) T n-Eicosane (C20)	12.891	2685045	18.832 ug/ml
11) T n-Heneicosane (C21)	13.505	2577186	18.572 ug/ml
13) T n-Docosane (C22)	14.093	2657620	19.405 ug/ml
14) T n-Tetracosane (C24)	15.200	2831250	20.963 ug/mlm
15) T n-Hexacosane (C26)	16.225	2942290	22.055 ug/ml
16) T n-Octacosane (C28)	17.176	3056735	23.163 ug/ml
17) T n-Tricontane (C30)	18.068	3233518	23.857 ug/ml
18) T n-Dotriacontane (C32)	18.904	3218064	23.915 ug/ml
19) T n-Tetratriacontane (C34)	19.689	2767138	21.385 ug/ml
20) T n-Hexatriacontane (C36)	20.431	2273240	19.137 ug/ml
21) T n-Octatriacontane (C38)	21.170	1961656	17.067 ug/mlm
22) T n-Tetracontane (C40)	22.085	1801888	16.043 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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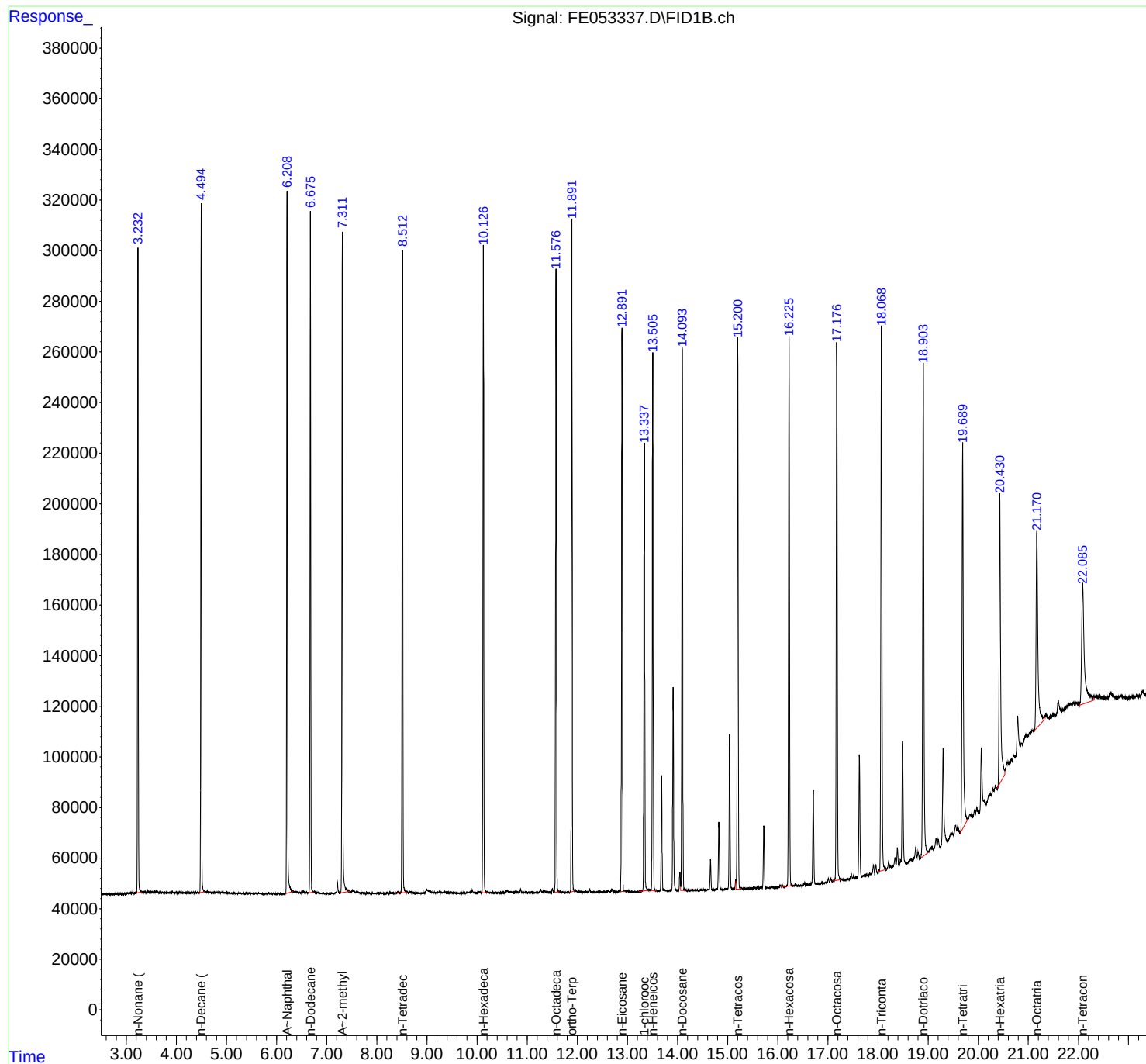
Instrument :
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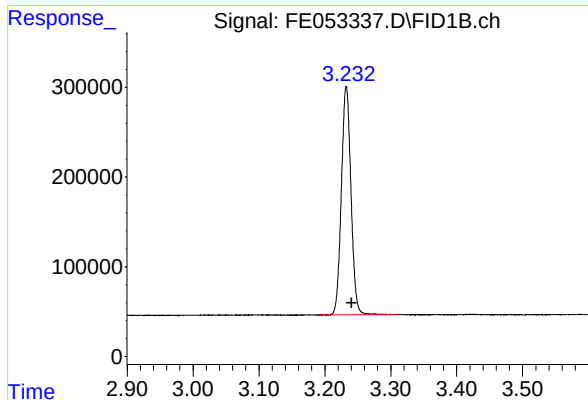
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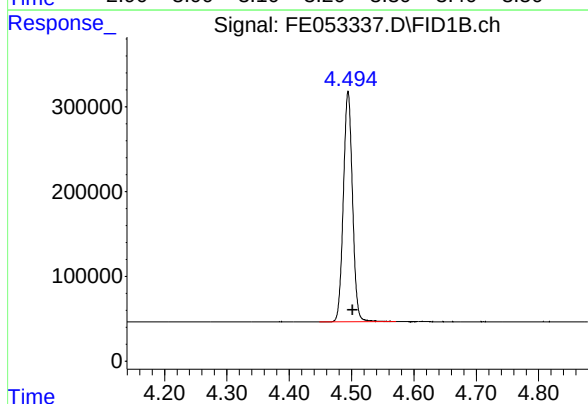
#1 n-Nonane (C9)

R.T.: 3.233 min
Delta R.T.: -0.008 min
Response: 2582124
Conc: 16.68 ug/ml

Instrument :
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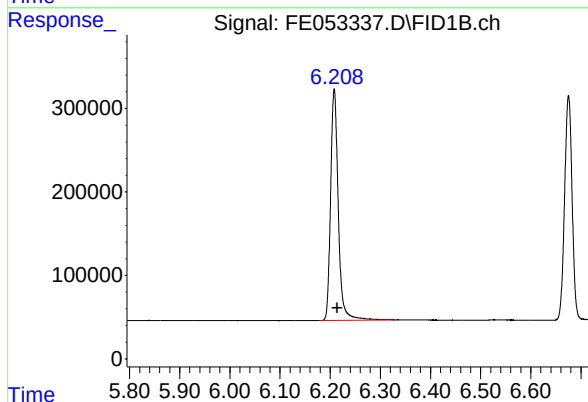
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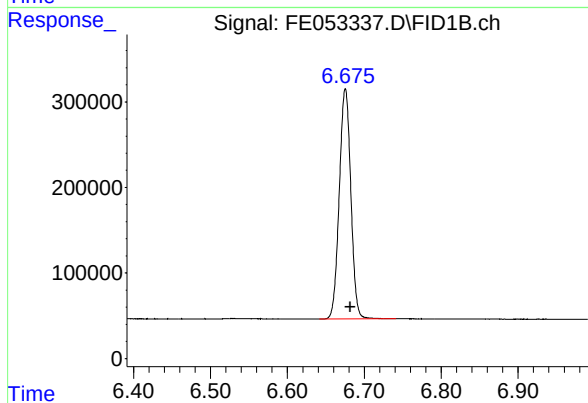
#2 n-Decane (C10)

R.T.: 4.494 min
Delta R.T.: -0.007 min
Response: 2763870
Conc: 17.62 ug/ml



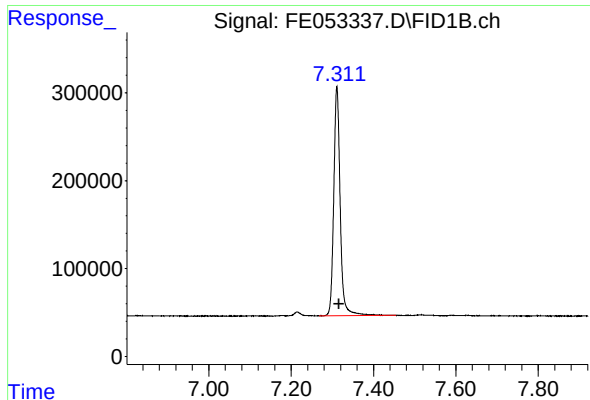
#3 A~Naphthalene (C11.7)

R.T.: 6.208 min
Delta R.T.: -0.006 min
Response: 2940831
Conc: 17.51 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.675 min
Delta R.T.: -0.007 min
Response: 2802205
Conc: 17.92 ug/ml



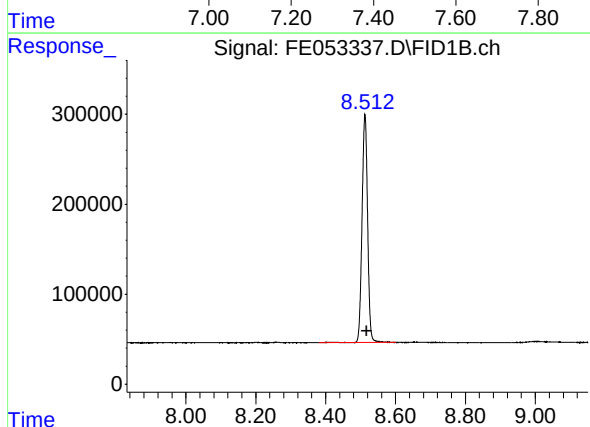
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.311 min
Delta R.T.: -0.005 min
Response: 2832856
Conc: 17.75 ug/ml

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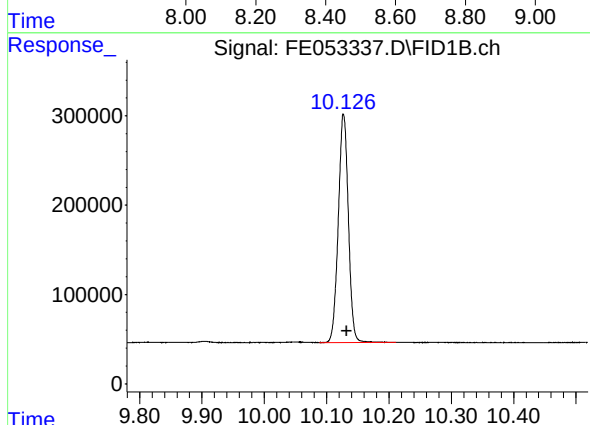
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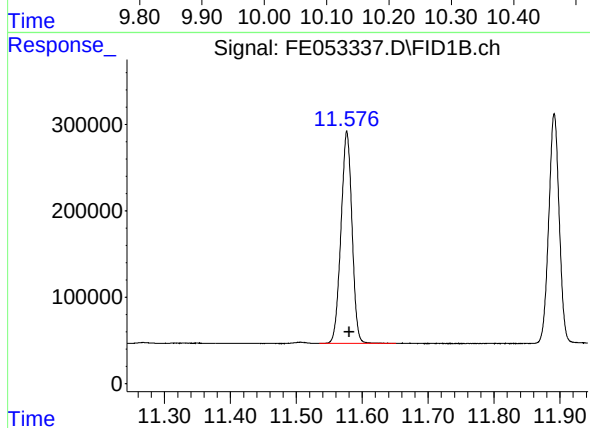
#6 n-Tetradecane (C14)

R.T.: 8.513 min
Delta R.T.: -0.006 min
Response: 2800007
Conc: 18.29 ug/ml



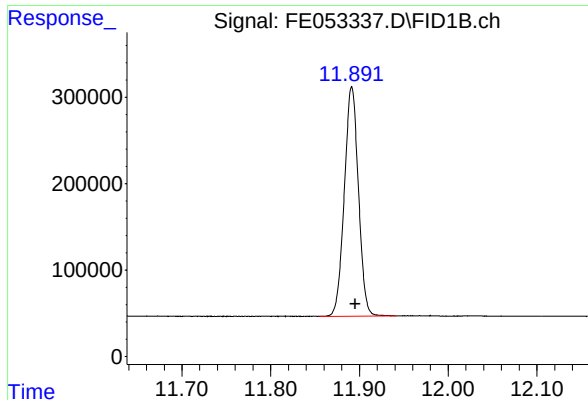
#7 n-Hexadecane (C16)

R.T.: 10.127 min
Delta R.T.: -0.005 min
Response: 2867835
Conc: 18.60 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.577 min
Delta R.T.: -0.003 min
Response: 2847600
Conc: 18.78 ug/ml



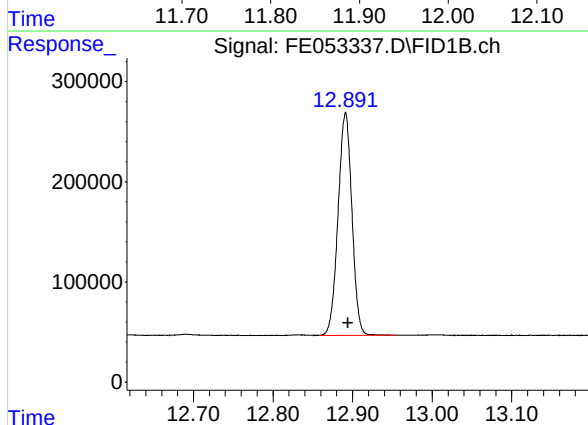
#9 ortho-Terphenyl (SURR)

R.T.: 11.891 min
Delta R.T.: -0.004 min
Response: 2930776
Conc: 17.99 ug/ml

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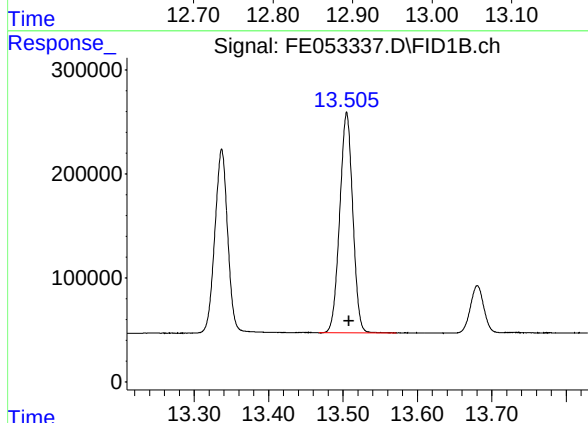
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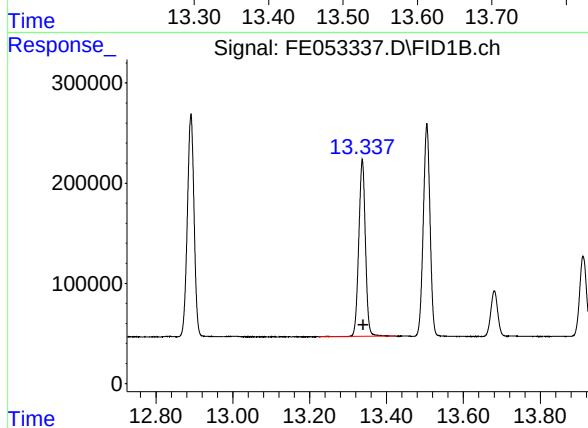
#10 n-Eicosane (C20)

R.T.: 12.891 min
Delta R.T.: -0.003 min
Response: 2685045
Conc: 18.83 ug/ml



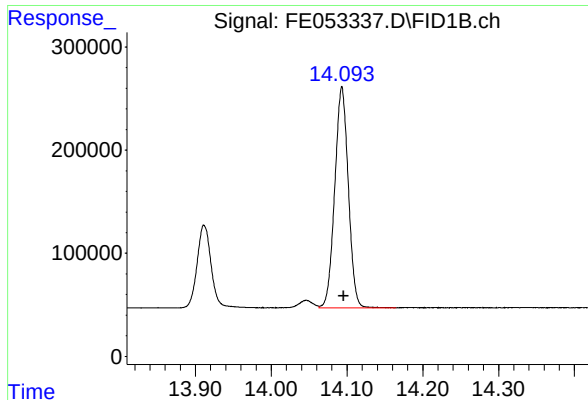
#11 n-Heneicosane (C21)

R.T.: 13.505 min
Delta R.T.: -0.003 min
Response: 2577186
Conc: 18.57 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.337 min
Delta R.T.: -0.003 min
Response: 2127704
Conc: 17.72 ug/ml



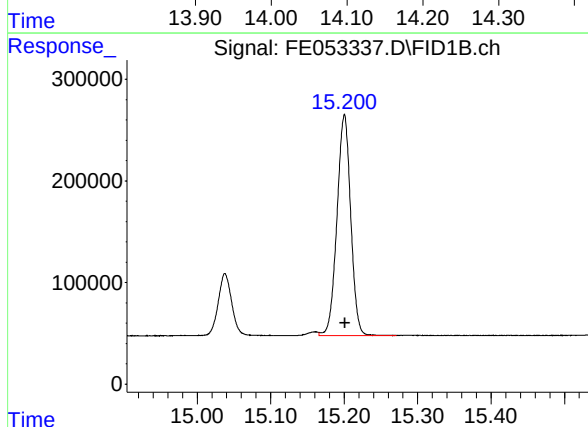
#13 n-Docosane (C22)

R.T.: 14.093 min
Delta R.T.: -0.002 min
Response: 2657620
Conc: 19.40 ug/ml

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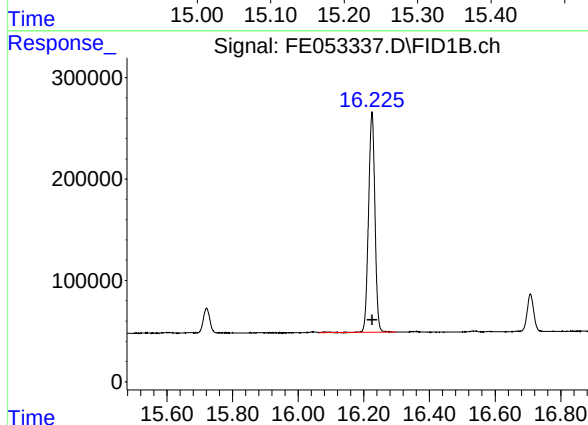
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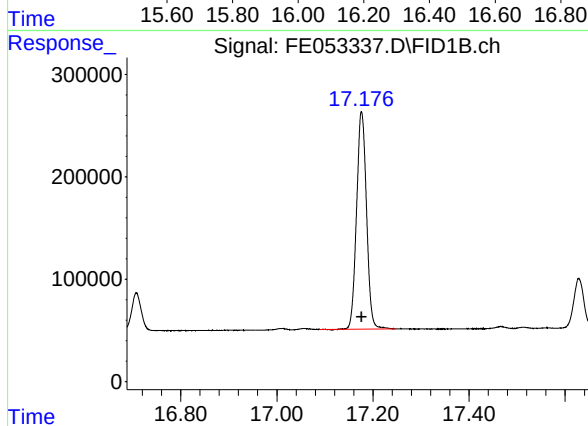
#14 n-Tetracosane (C24)

R.T.: 15.200 min
Delta R.T.: -0.001 min
Response: 2831250
Conc: 20.96 ug/ml m



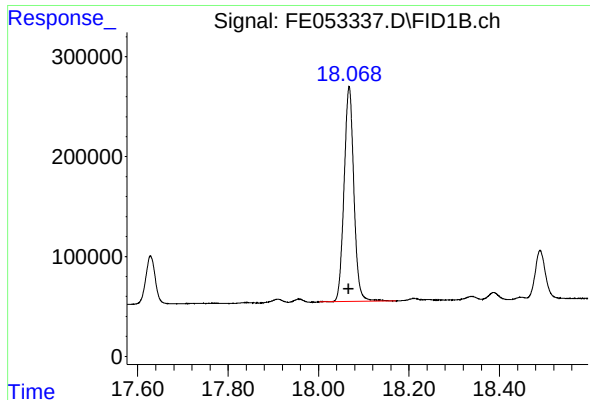
#15 n-Hexacosane (C26)

R.T.: 16.225 min
Delta R.T.: 0.000 min
Response: 2942290
Conc: 22.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.176 min
Delta R.T.: 0.000 min
Response: 3056735
Conc: 23.16 ug/ml



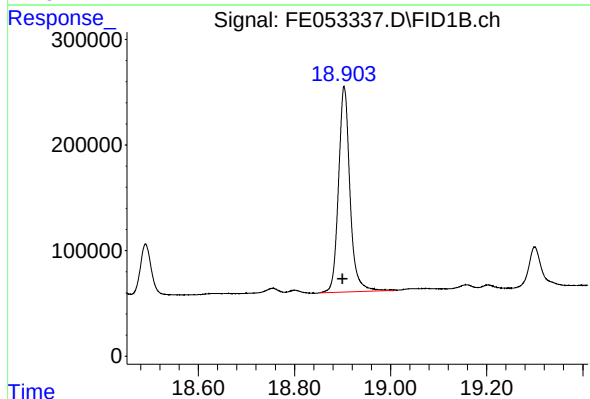
#17 n-Tricontane (C30)

R.T.: 18.068 min
Delta R.T.: 0.001 min
Response: 3233518
Conc: 23.86 ug/ml

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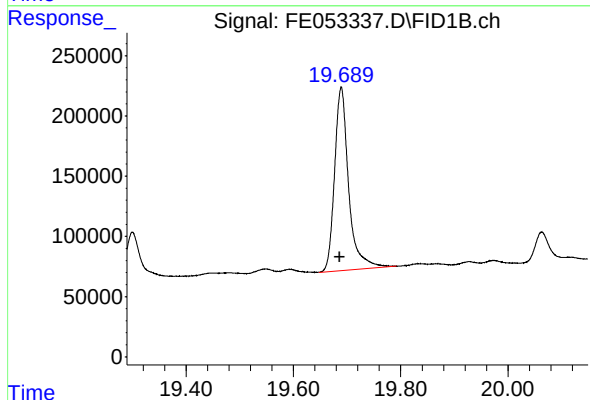
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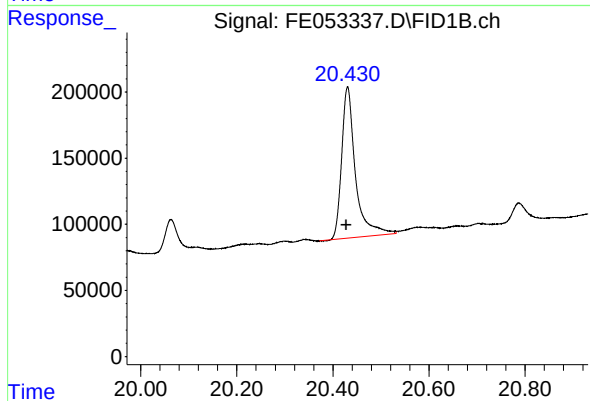
#18 n-Dotriacontane (C32)

R.T.: 18.904 min
Delta R.T.: 0.003 min
Response: 3218064
Conc: 23.91 ug/ml



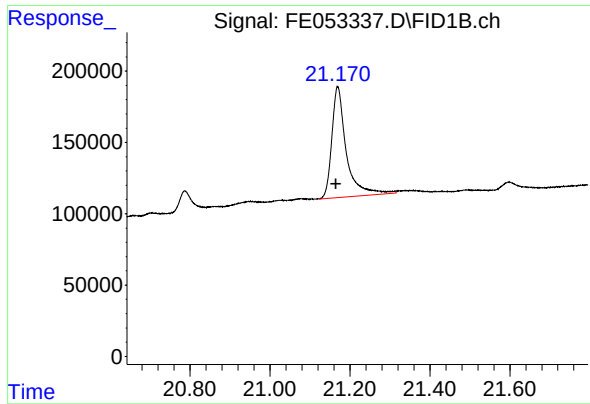
#19 n-Tetratriacontane (C34)

R.T.: 19.689 min
Delta R.T.: 0.003 min
Response: 2767138
Conc: 21.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.431 min
Delta R.T.: 0.003 min
Response: 2273240
Conc: 19.14 ug/ml



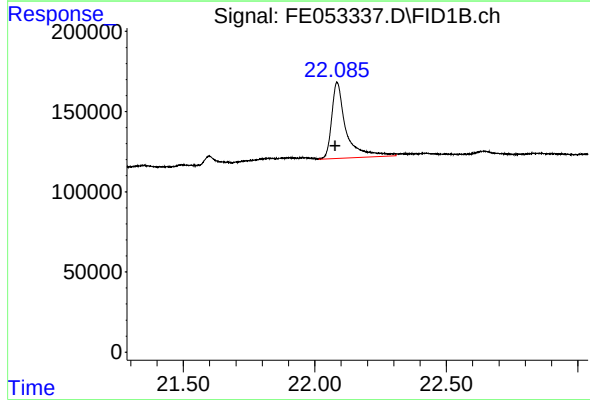
#21 n-Octatriacontane (C38)

R.T.: 21.170 min
Delta R.T.: 0.005 min
Response: 1961656
Conc: 17.07 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.085 min
Delta R.T.: 0.006 min
Response: 1801888
Conc: 16.04 ug/ml m