

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050925AL\
 Data File : FE053744.D
 Signal(s) : FID1B.ch
 Acq On : 09 May 2025 13:16
 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 05/12/2025
 Supervised By :mohammad ahmed 05/14/2025

Integration File: autoint1.e
 Quant Time: May 10 01:23:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 29 06:49:03 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)	11.857	3389168	18.791 ug/ml
Spiked Amount 50.000		Recovery =	37.58%
12) S 1-chlorooctadecane (S...	13.302	2498336	18.482 ug/ml
Spiked Amount 50.000		Recovery =	36.96%
Target Compounds			
1) T n-Nonane (C9)	3.206	2776775	20.253 ug/ml
2) T n-Decane (C10)	4.466	2814081	20.342 ug/ml
3) T A~Naphthalene (C11.7)	6.178	3059589	20.270 ug/ml
4) T n-Dodecane (C12)	6.646	2851499	20.332 ug/ml
5) T A~2-methylnaphthalene...	7.281	2969370	19.888 ug/ml
6) T n-Tetradecane (C14)	8.482	2824012	20.130 ug/ml
7) T n-Hexadecane (C16)	10.095	2829143	19.740 ug/ml
8) T n-Octadecane (C18)	11.543	2808617	19.272 ug/ml
10) T n-Eicosane (C20)	12.856	2738885	18.822 ug/ml
11) T n-Heneicosane (C21)	13.470	2703887	18.667 ug/ml
13) T n-Docosane (C22)	14.058	2667536	18.486 ug/ml
14) T n-Tetracosane (C24)	15.163	2612117	18.185 ug/ml
15) T n-Hexacosane (C26)	16.186	2568225	18.133 ug/ml
16) T n-Octacosane (C28)	17.137	2570168	18.474 ug/ml
17) T n-Tricontane (C30)	18.027	2682439	19.271 ug/mlm
18) T n-Dotriacontane (C32)	18.860	2723688	19.836 ug/ml
19) T n-Tetratriacontane (C34)	19.646	2633402	20.211 ug/ml
20) T n-Hexatriacontane (C36)	20.387	2596161	20.564 ug/ml
21) T n-Octatriacontane (C38)	21.120	2542049	20.865 ug/mlm
22) T n-Tetracontane (C40)	22.018	2502731	20.957 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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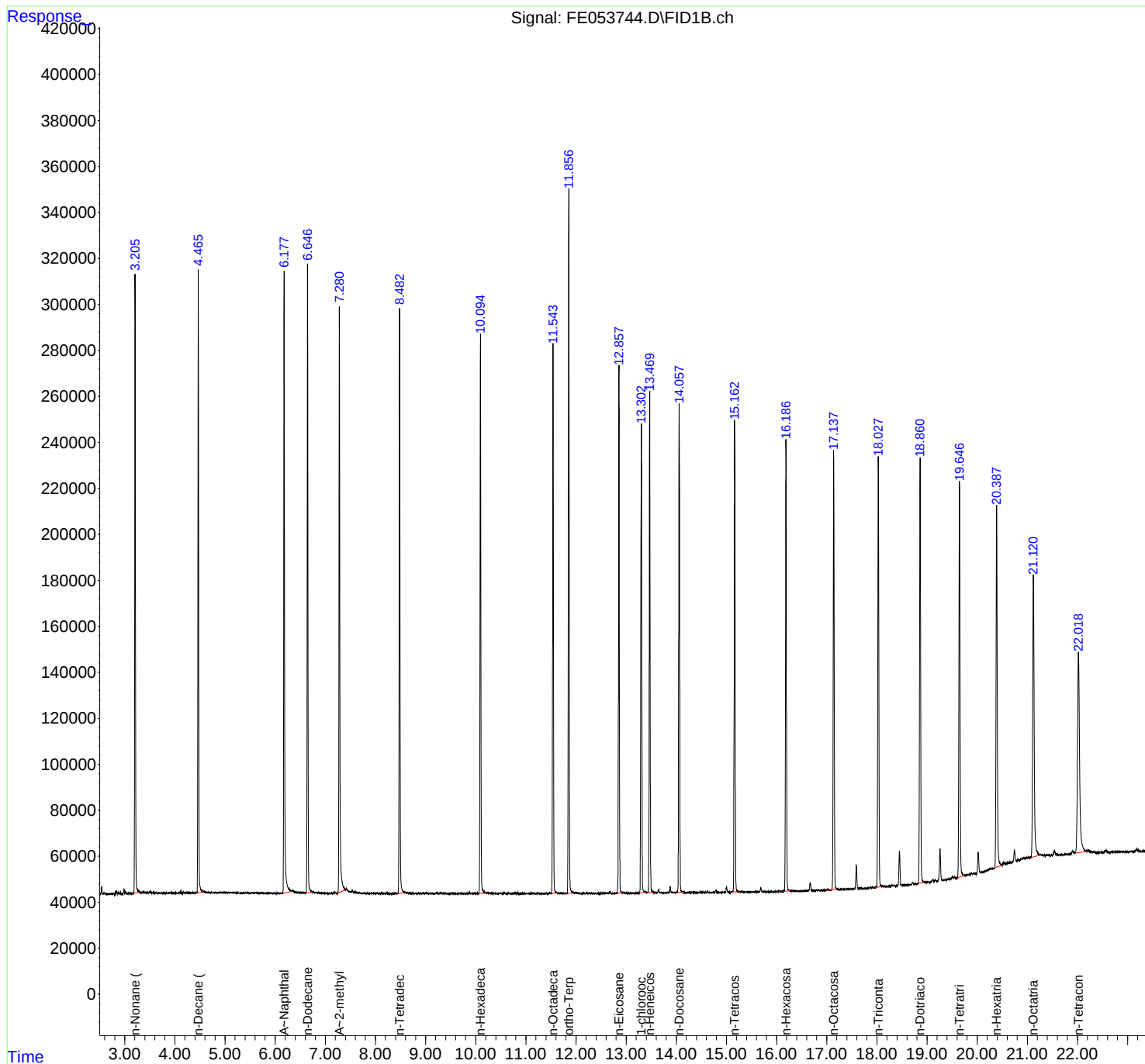
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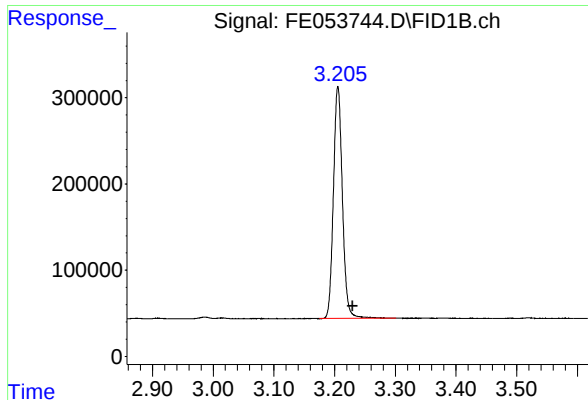
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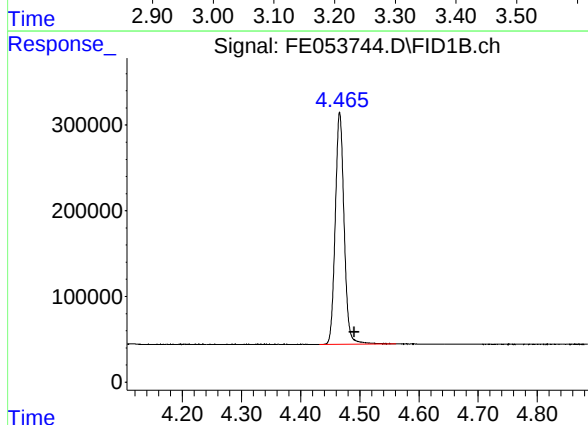
#1 n-Nonane (C9)

R.T.: 3.206 min
Delta R.T.: -0.024 min
Response: 2776775
Conc: 20.25 ug/ml

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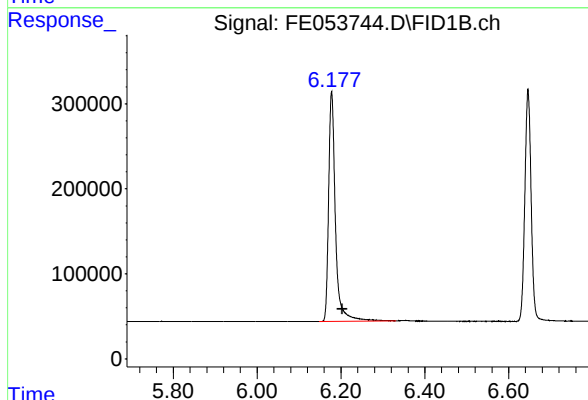
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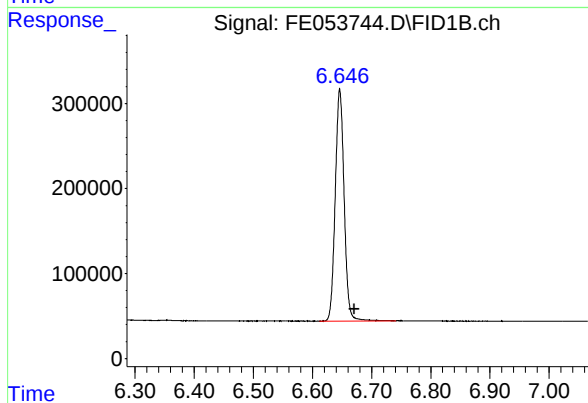
#2 n-Decane (C10)

R.T.: 4.466 min
Delta R.T.: -0.025 min
Response: 2814081
Conc: 20.34 ug/ml



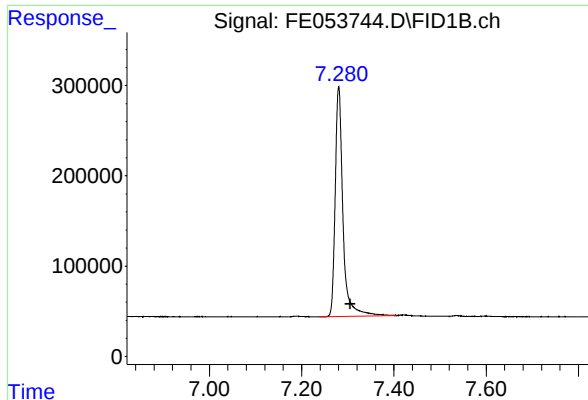
#3 A~Naphthalene (C11.7)

R.T.: 6.178 min
Delta R.T.: -0.025 min
Response: 3059589
Conc: 20.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.646 min
Delta R.T.: -0.025 min
Response: 2851499
Conc: 20.33 ug/ml



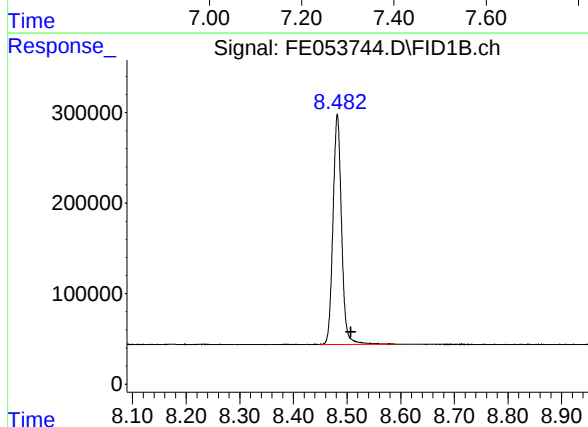
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.281 min
Delta R.T.: -0.025 min
Response: 2969370
Conc: 19.89 ug/ml

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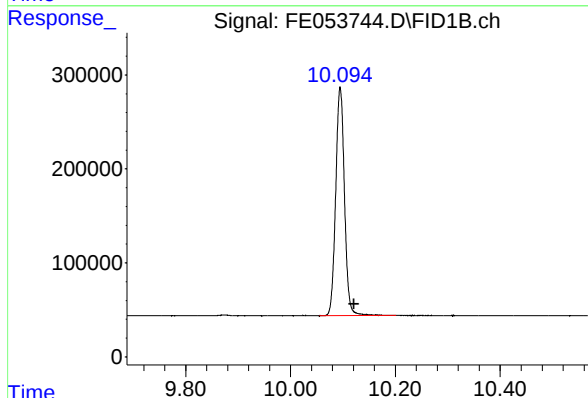
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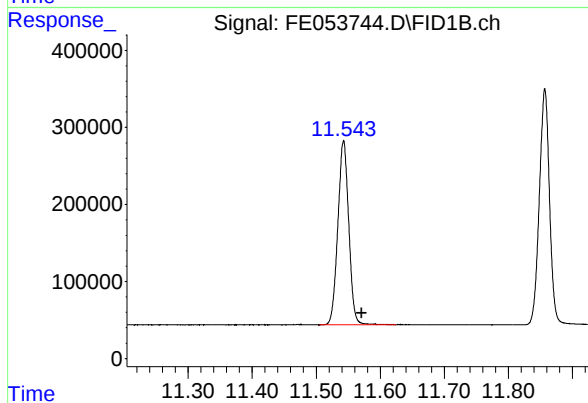
#6 n-Tetradecane (C14)

R.T.: 8.482 min
Delta R.T.: -0.026 min
Response: 2824012
Conc: 20.13 ug/ml



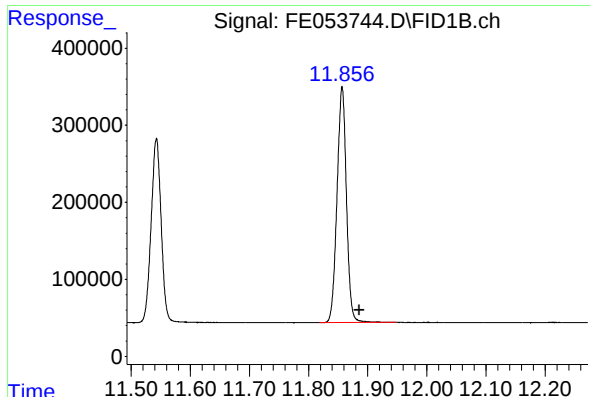
#7 n-Hexadecane (C16)

R.T.: 10.095 min
Delta R.T.: -0.026 min
Response: 2829143
Conc: 19.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.543 min
Delta R.T.: -0.028 min
Response: 2808617
Conc: 19.27 ug/ml



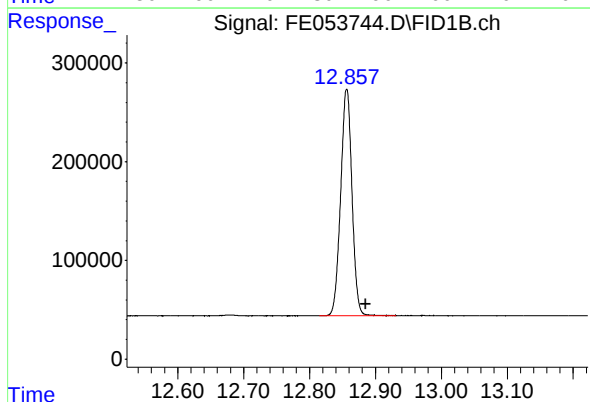
#9 ortho-Terphenyl (SURR)

R.T.: 11.857 min
Delta R.T.: -0.029 min
Response: 3389168
Conc: 18.79 ug/ml

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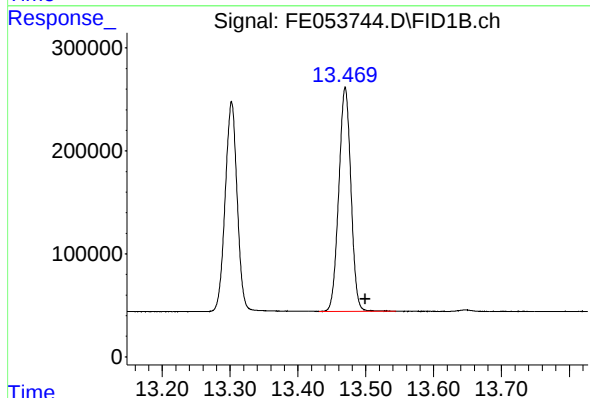
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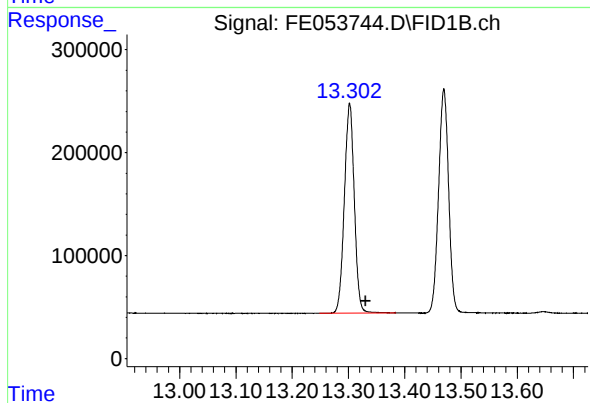
#10 n-Eicosane (C20)

R.T.: 12.856 min
Delta R.T.: -0.028 min
Response: 2738885
Conc: 18.82 ug/ml



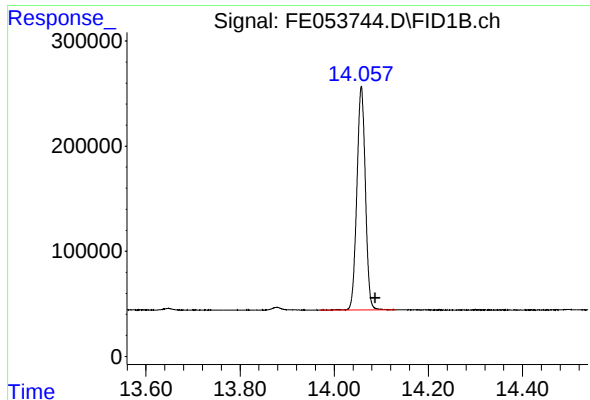
#11 n-Heneicosane (C21)

R.T.: 13.470 min
Delta R.T.: -0.030 min
Response: 2703887
Conc: 18.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.302 min
Delta R.T.: -0.028 min
Response: 2498336
Conc: 18.48 ug/ml



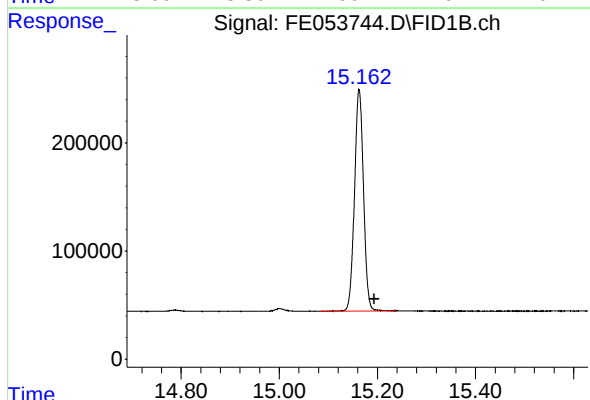
#13 n-Docosane (C22)

R.T.: 14.058 min
Delta R.T.: -0.030 min
Response: 2667536
Conc: 18.49 ug/ml

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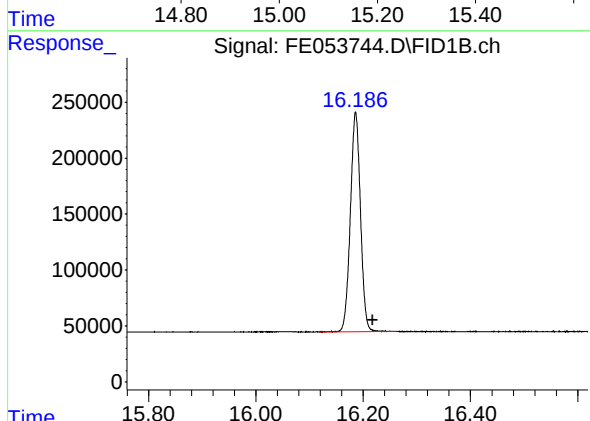
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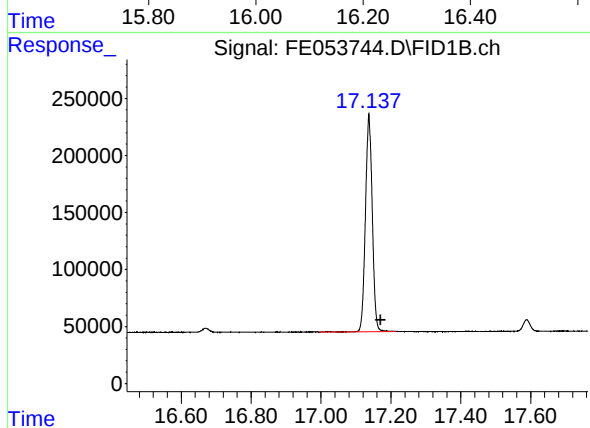
#14 n-Tetracosane (C24)

R.T.: 15.163 min
Delta R.T.: -0.031 min
Response: 2612117
Conc: 18.19 ug/ml



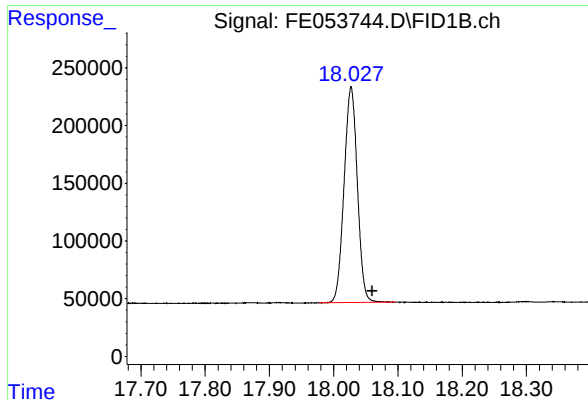
#15 n-Hexacosane (C26)

R.T.: 16.186 min
Delta R.T.: -0.032 min
Response: 2568225
Conc: 18.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.137 min
Delta R.T.: -0.033 min
Response: 2570168
Conc: 18.47 ug/ml



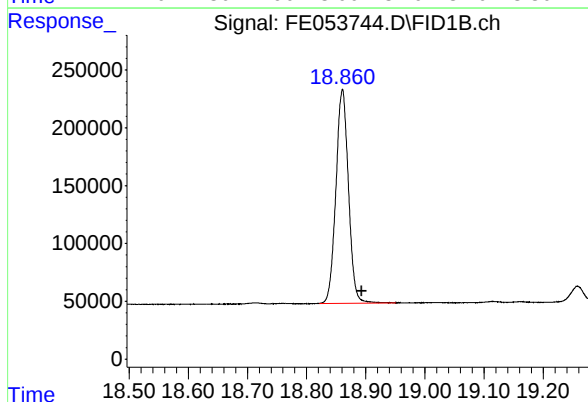
#17 n-Tricontane (C30)

R.T.: 18.027 min
Delta R.T.: -0.033 min
Response: 2682439
Conc: 19.27 ug/ml

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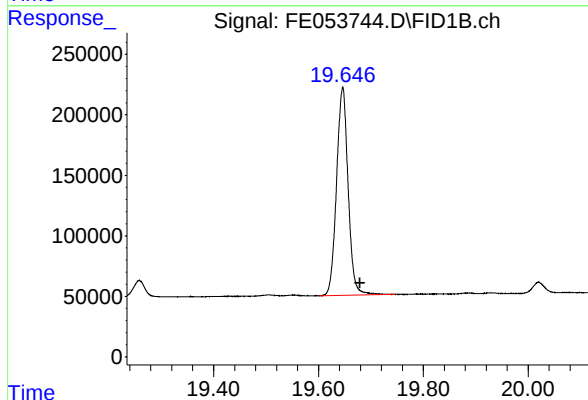
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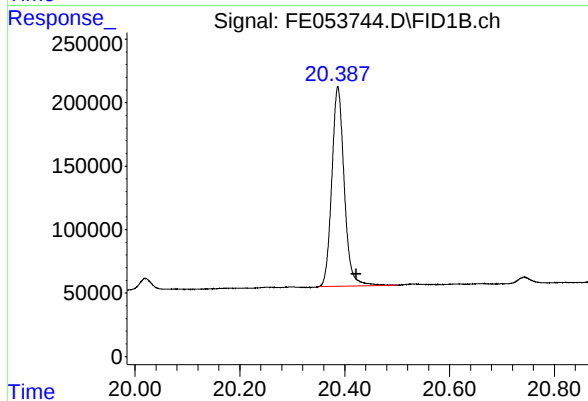
#18 n-Dotriacontane (C32)

R.T.: 18.860 min
Delta R.T.: -0.033 min
Response: 2723688
Conc: 19.84 ug/ml



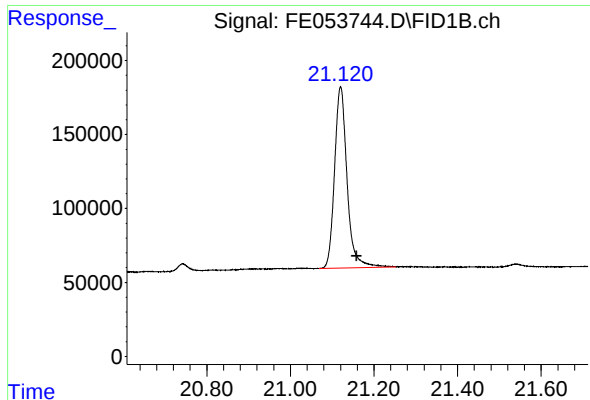
#19 n-Tetatriacontane (C34)

R.T.: 19.646 min
Delta R.T.: -0.033 min
Response: 2633402
Conc: 20.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.387 min
Delta R.T.: -0.035 min
Response: 2596161
Conc: 20.56 ug/ml



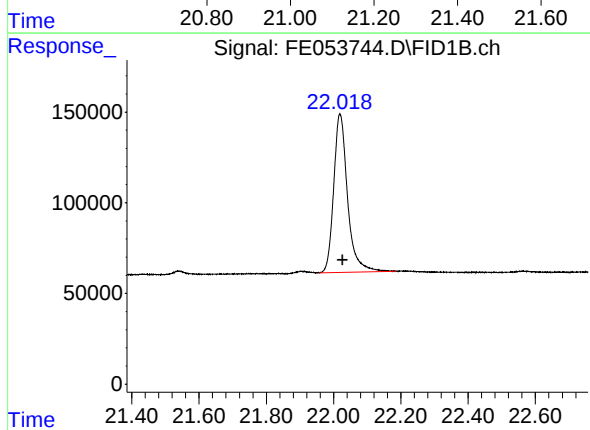
#21 n-Octatriacontane (C38)

R.T.: 21.120 min
Delta R.T.: -0.038 min
Response: 2542049
Conc: 20.87 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.018 min
Delta R.T.: -0.009 min
Response: 2502731
Conc: 20.96 ug/ml m