

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060625AL\
 Data File : FE054227.D
 Signal(s) : FID1B.ch
 Acq On : 06 Jun 2025 19:23
 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 06/09/2025
 Supervised By :mohammad ahmed 06/10/2025

Integration File: autoint1.e
 Quant Time: Jun 07 00:56:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.832	3090290	19.016 ug/ml
Spiked Amount 50.000		Recovery =	38.03%
12) S 1-chlorooctadecane (S...	13.277	2350003	19.823 ug/ml
Spiked Amount 50.000		Recovery =	39.65%
Target Compounds			
1) T n-Nonane (C9)	3.180	2211250	16.361 ug/mlm
2) T n-Decane (C10)	4.444	2196033	16.251 ug/ml
3) T A~Naphthalene (C11.7)	6.159	2463219	17.140 ug/ml
4) T n-Dodecane (C12)	6.625	2314490	16.968 ug/ml
5) T A~2-methylnaphthalene...	7.261	2494213	17.982 ug/ml
6) T n-Tetradecane (C14)	8.460	2391177	17.719 ug/ml
7) T n-Hexadecane (C16)	10.072	2461630	18.243 ug/ml
8) T n-Octadecane (C18)	11.519	2525961	18.758 ug/ml
10) T n-Eicosane (C20)	12.831	2544446	19.360 ug/ml
11) T n-Heneicosane (C21)	13.445	2532490	19.534 ug/ml
13) T n-Docosane (C22)	14.033	2543027	19.933 ug/ml
14) T n-Tetracosane (C24)	15.137	2577751	20.603 ug/mlm
15) T n-Hexacosane (C26)	16.161	2562752	20.929 ug/ml
16) T n-Octacosane (C28)	17.112	2563550	21.088 ug/ml
17) T n-Tricontane (C30)	18.001	2640893	21.201 ug/ml
18) T n-Dotriacontane (C32)	18.835	2607530	20.851 ug/ml
19) T n-Tetratriacontane (C34)	19.620	2442795	20.507 ug/mlm
20) T n-Hexatriacontane (C36)	20.361	2248977	19.423 ug/ml
21) T n-Octatriacontane (C38)	21.089	2008152	18.453 ug/ml
22) T n-Tetracontane (C40)	21.979	1923407	19.383 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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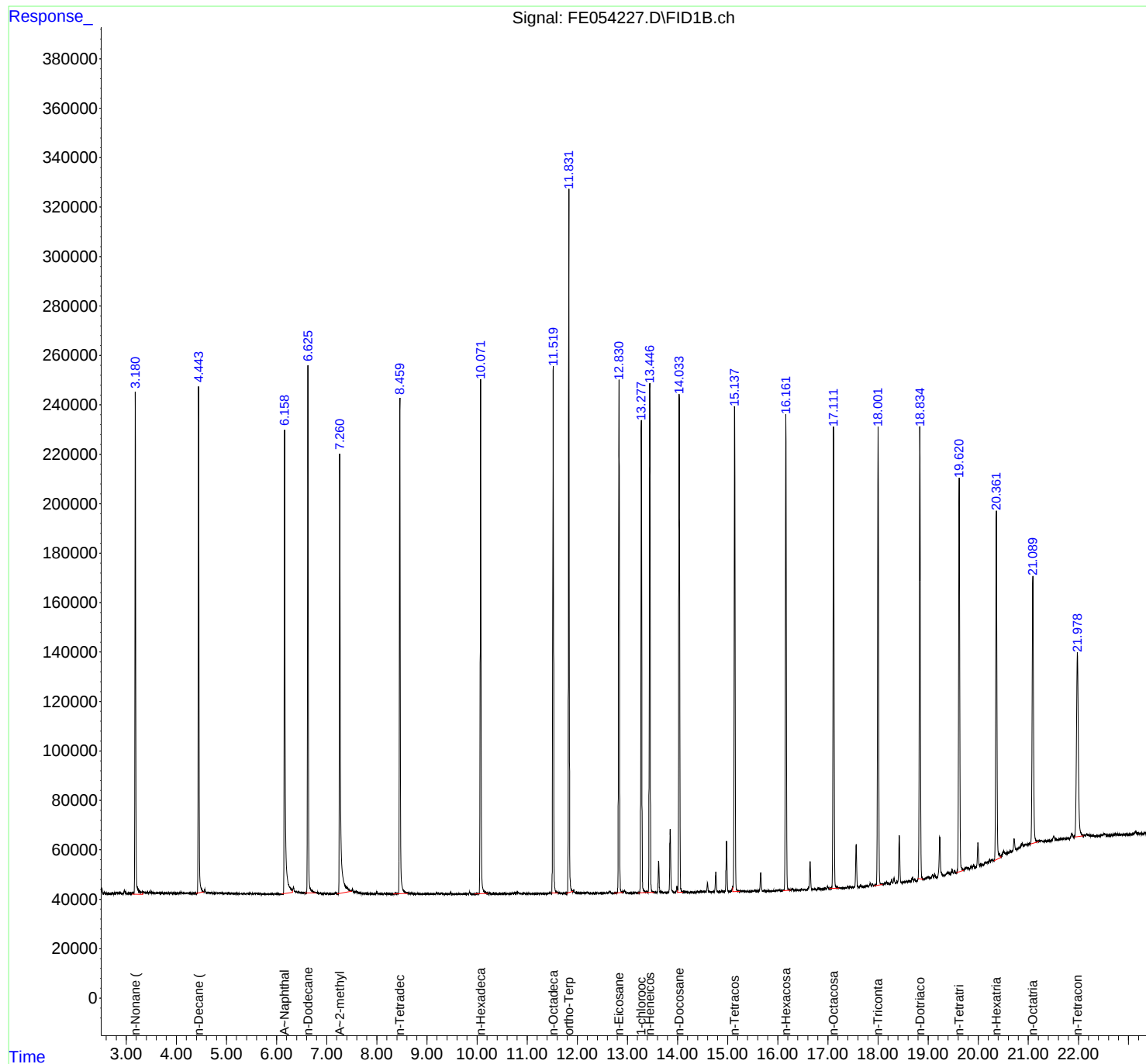
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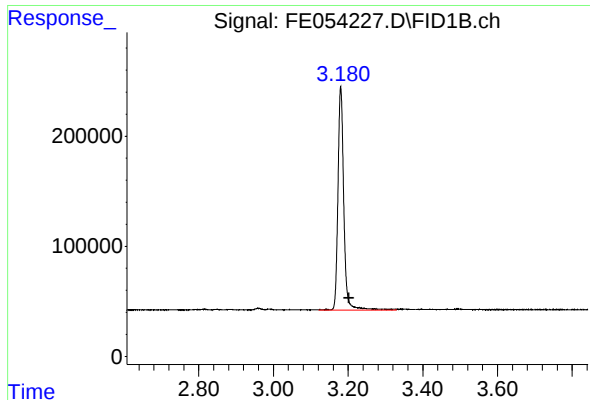
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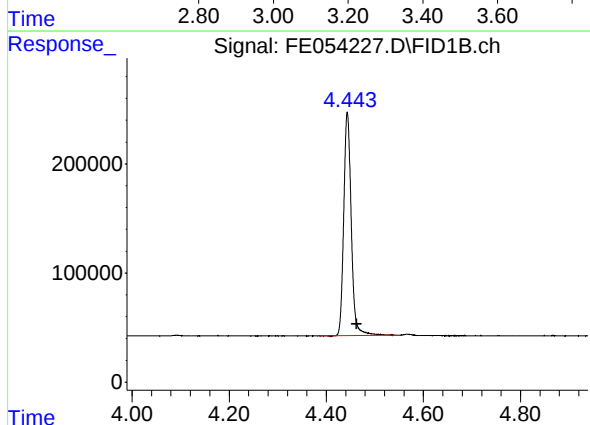
#1 n-Nonane (C9)

R.T.: 3.180 min
Delta R.T.: -0.022 min
Response: 2211250
Conc: 16.36 ug/ml

Instrument : FID_E
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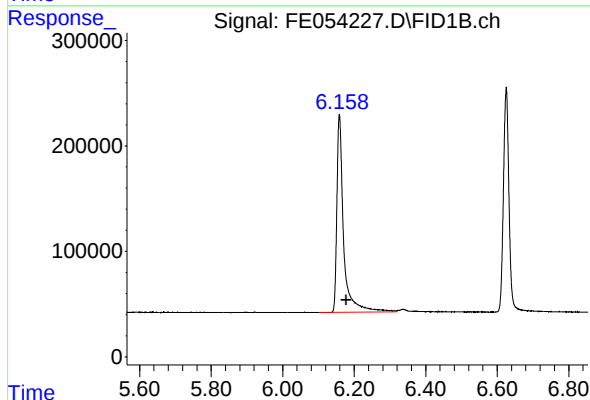
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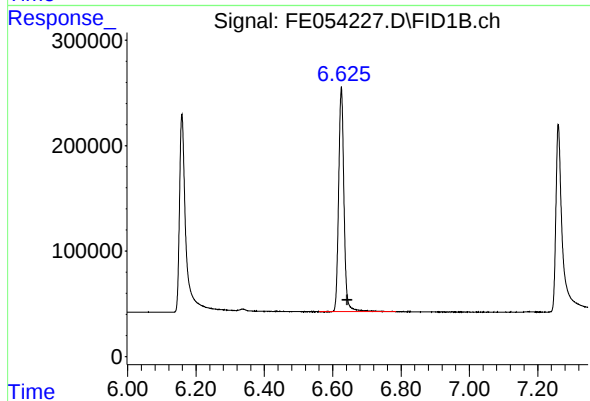
#2 n-Decane (C10)

R.T.: 4.444 min
Delta R.T.: -0.019 min
Response: 2196033
Conc: 16.25 ug/ml



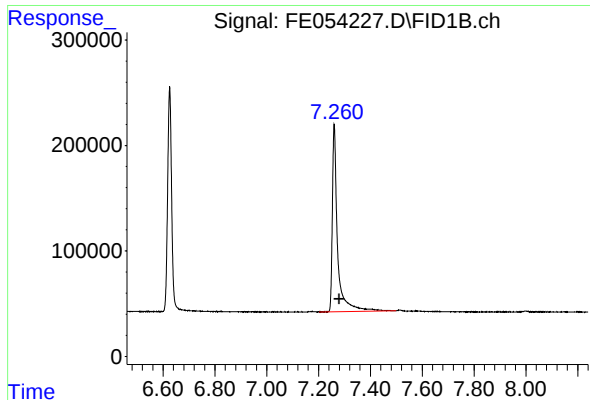
#3 A~Naphthalene (C11.7)

R.T.: 6.159 min
Delta R.T.: -0.019 min
Response: 2463219
Conc: 17.14 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.625 min
Delta R.T.: -0.017 min
Response: 2314490
Conc: 16.97 ug/ml



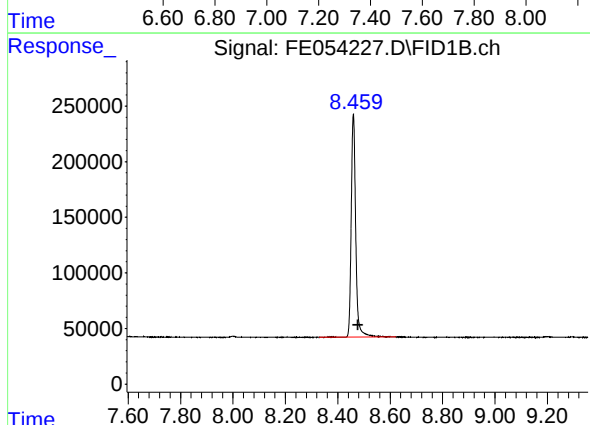
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.261 min
Delta R.T.: -0.020 min
Response: 2494213
Conc: 17.98 ug/ml

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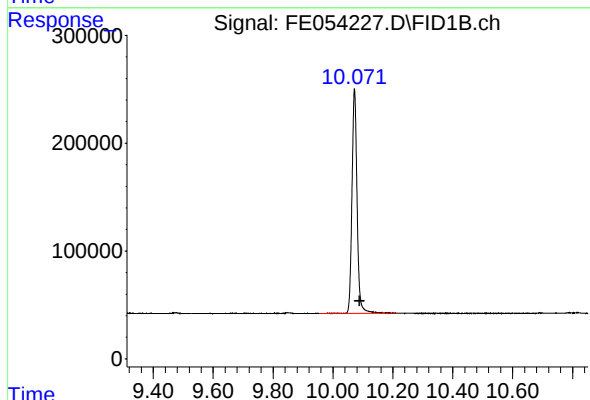
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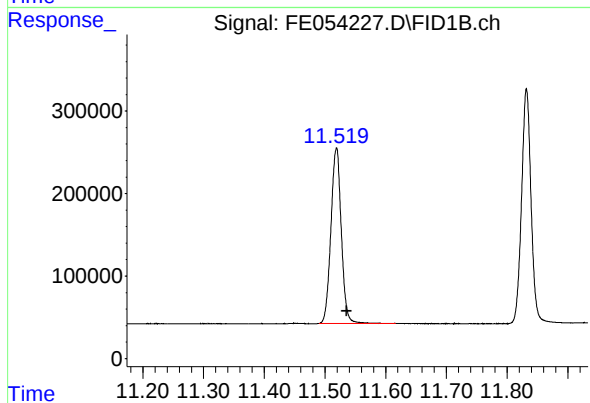
#6 n-Tetradecane (C14)

R.T.: 8.460 min
Delta R.T.: -0.018 min
Response: 2391177
Conc: 17.72 ug/ml



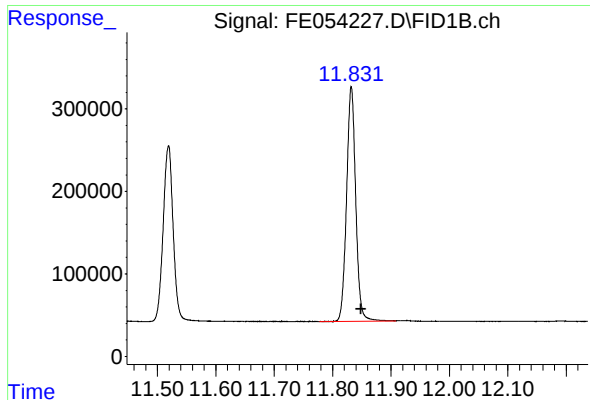
#7 n-Hexadecane (C16)

R.T.: 10.072 min
Delta R.T.: -0.018 min
Response: 2461630
Conc: 18.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.519 min
Delta R.T.: -0.017 min
Response: 2525961
Conc: 18.76 ug/ml



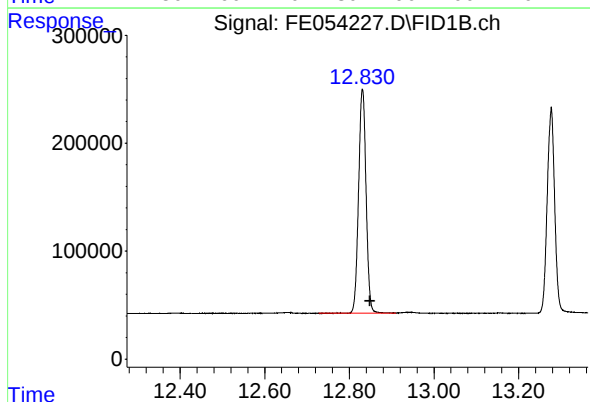
#9 ortho-Terphenyl (SURR)

R.T.: 11.832 min
Delta R.T.: -0.017 min
Response: 3090290
Conc: 19.02 ug/ml

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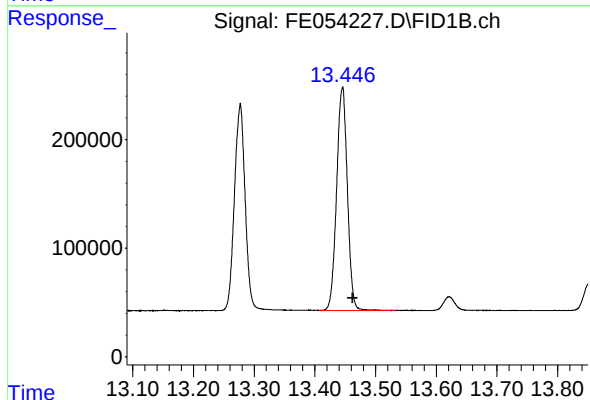
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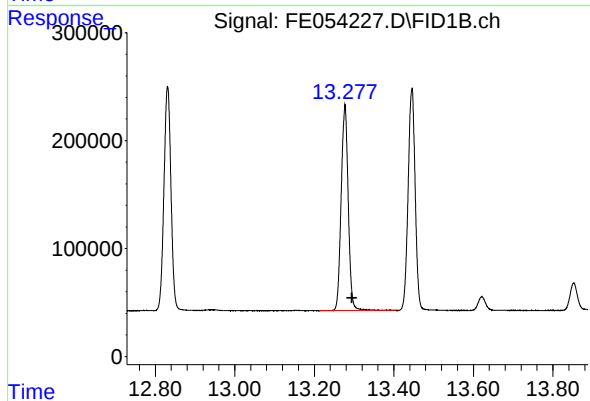
#10 n-Eicosane (C20)

R.T.: 12.831 min
Delta R.T.: -0.018 min
Response: 2544446
Conc: 19.36 ug/ml



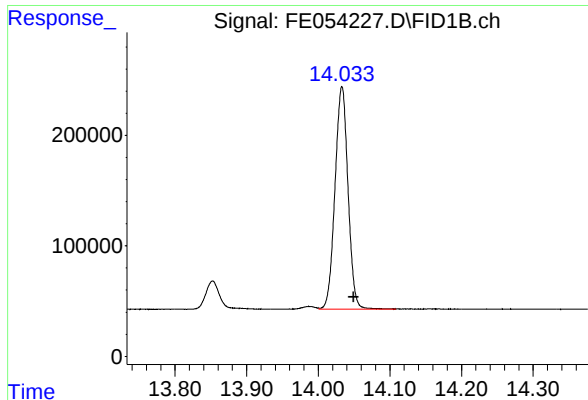
#11 n-Heneicosane (C21)

R.T.: 13.445 min
Delta R.T.: -0.017 min
Response: 2532490
Conc: 19.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.277 min
Delta R.T.: -0.018 min
Response: 2350003
Conc: 19.82 ug/ml



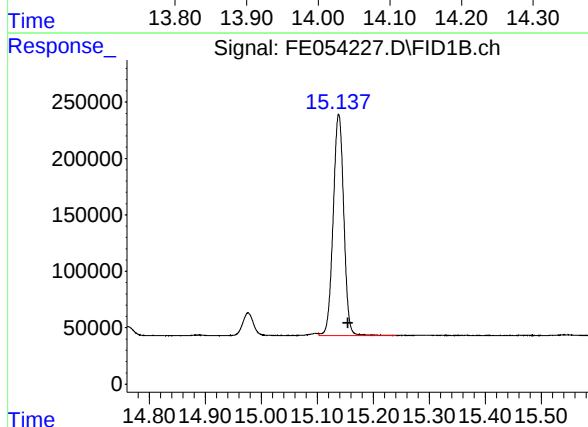
#13 n-Docosane (C22)

R.T.: 14.033 min
Delta R.T.: -0.016 min
Response: 2543027
Conc: 19.93 ug/ml

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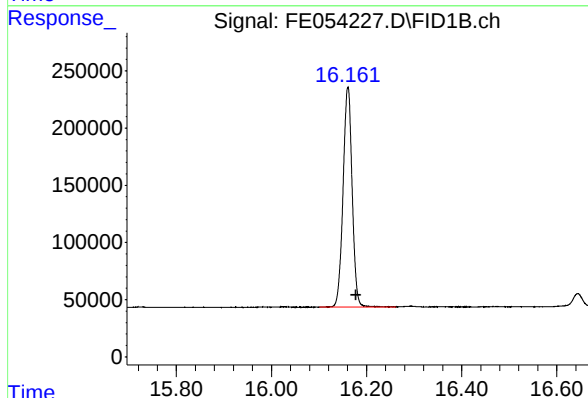
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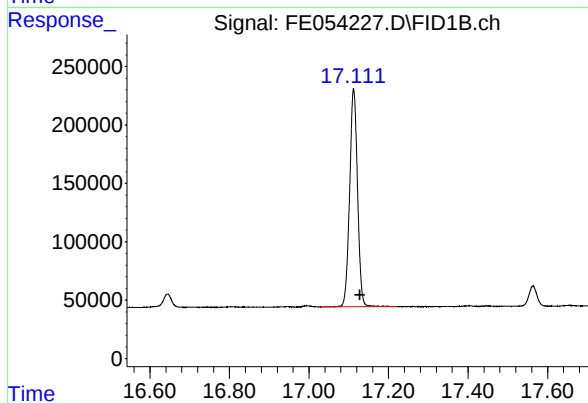
#14 n-Tetracosane (C24)

R.T.: 15.137 min
Delta R.T.: -0.017 min
Response: 2577751
Conc: 20.60 ug/ml m



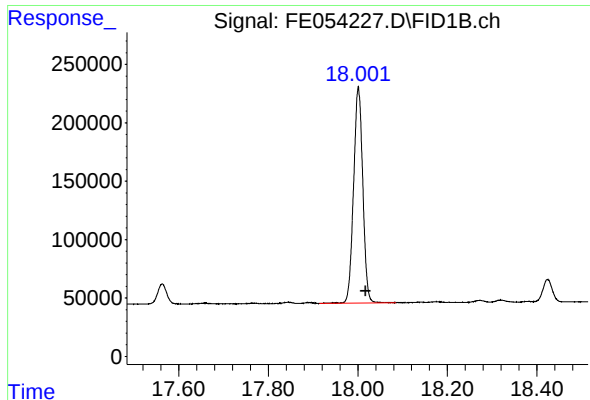
#15 n-Hexacosane (C26)

R.T.: 16.161 min
Delta R.T.: -0.017 min
Response: 2562752
Conc: 20.93 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.112 min
Delta R.T.: -0.016 min
Response: 2563550
Conc: 21.09 ug/ml



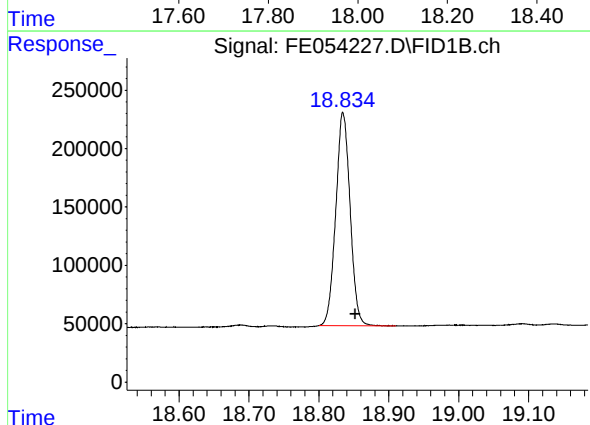
#17 n-Tricontane (C30)

R.T.: 18.001 min
Delta R.T.: -0.017 min
Response: 2640893
Conc: 21.20 ug/ml

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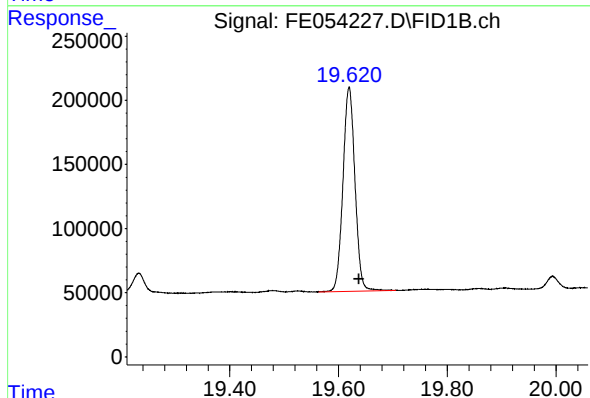
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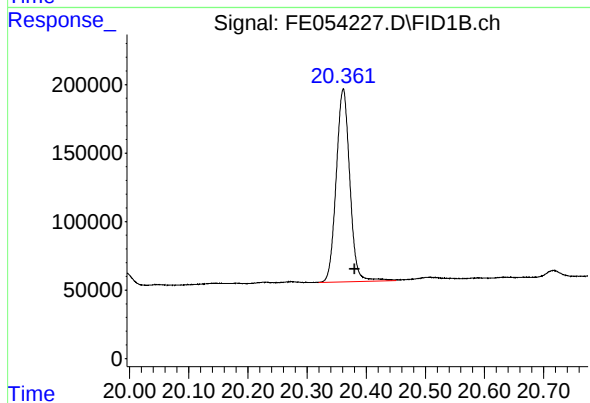
#18 n-Dotriacontane (C32)

R.T.: 18.835 min
Delta R.T.: -0.017 min
Response: 2607530
Conc: 20.85 ug/ml



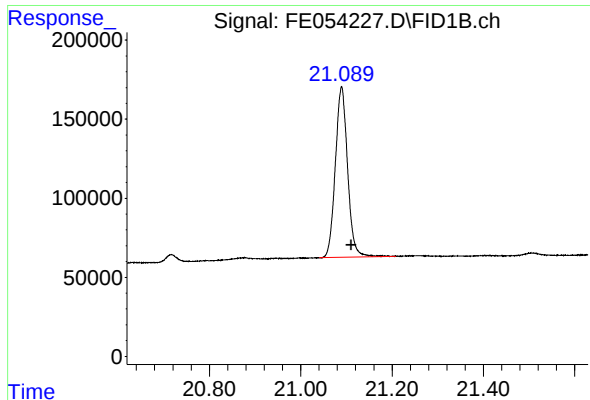
#19 n-Tetratriacontane (C34)

R.T.: 19.620 min
Delta R.T.: -0.018 min
Response: 2442795
Conc: 20.51 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.361 min
Delta R.T.: -0.019 min
Response: 2248977
Conc: 19.42 ug/ml



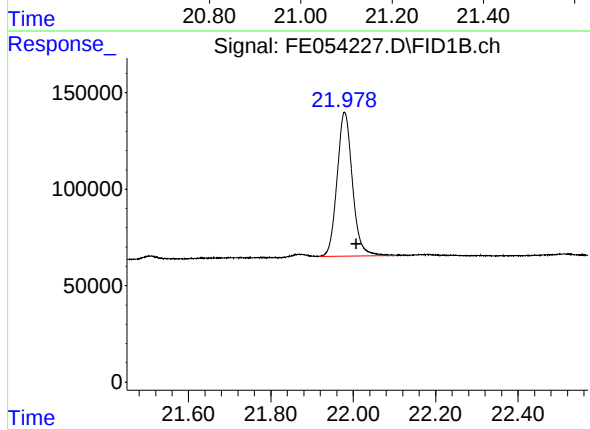
#21 n-Octatriacontane (C38)

R.T.: 21.089 min
Delta R.T.: -0.022 min
Response: 2008152
Conc: 18.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.979 min
Delta R.T.: -0.028 min
Response: 1923407
Conc: 19.38 ug/ml