

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE093025AL\
 Data File : FE056104.D
 Signal(s) : FID1B.ch
 Acq On : 30 Sep 2025 23:51
 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 10/01/2025
 Supervised By :mohammad ahmed 10/03/2025

Integration File: autoint1.e
 Quant Time: Oct 01 04:07:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 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)	12.072	3479954	18.545 ug/ml
Spiked Amount 50.000		Recovery =	37.09%
12) S 1-chlorooctadecane (S...	13.509	2655656	19.028 ug/ml
Spiked Amount 50.000		Recovery =	38.06%
Target Compounds			
1) T n-Nonane (C9)	3.414	2159944	15.767 ug/ml
2) T n-Decane (C10)	4.672	2230207	15.980 ug/ml
3) T A~Naphthalene (C11.7)	6.392	2744135	17.187 ug/ml
4) T n-Dodecane (C12)	6.847	2391156	16.660 ug/ml
5) T A~2-methylnaphthalene...	7.492	2754345	17.711 ug/ml
6) T n-Tetradecane (C14)	8.683	2595973	17.559 ug/ml
7) T n-Hexadecane (C16)	10.297	2915877	18.349 ug/ml
8) T n-Octadecane (C18)	11.747	3150102	18.597 ug/ml
10) T n-Eicosane (C20)	13.061	3104617	18.729 ug/ml
11) T n-Heneicosane (C21)	13.675	3014069	18.549 ug/ml
13) T n-Docosane (C22)	14.263	2951249	18.469 ug/ml
14) T n-Tetracosane (C24)	15.369	2797951	18.362 ug/ml
15) T n-Hexacosane (C26)	16.393	2596452	18.204 ug/ml
16) T n-Octacosane (C28)	17.345	2544539	18.266 ug/ml
17) T n-Tricontane (C30)	18.236	2701567	18.232 ug/ml
18) T n-Dotriacontane (C32)	19.069	2775166	18.600 ug/ml
19) T n-Tetratriacontane (C34)	19.855	2705764	19.129 ug/ml
20) T n-Hexatriacontane (C36)	20.595	2616170	20.380 ug/ml
21) T n-Octatriacontane (C38)	21.370	2337003	17.793 ug/mlm
22) T n-Tetracontane (C40)	22.353	2187466	18.387 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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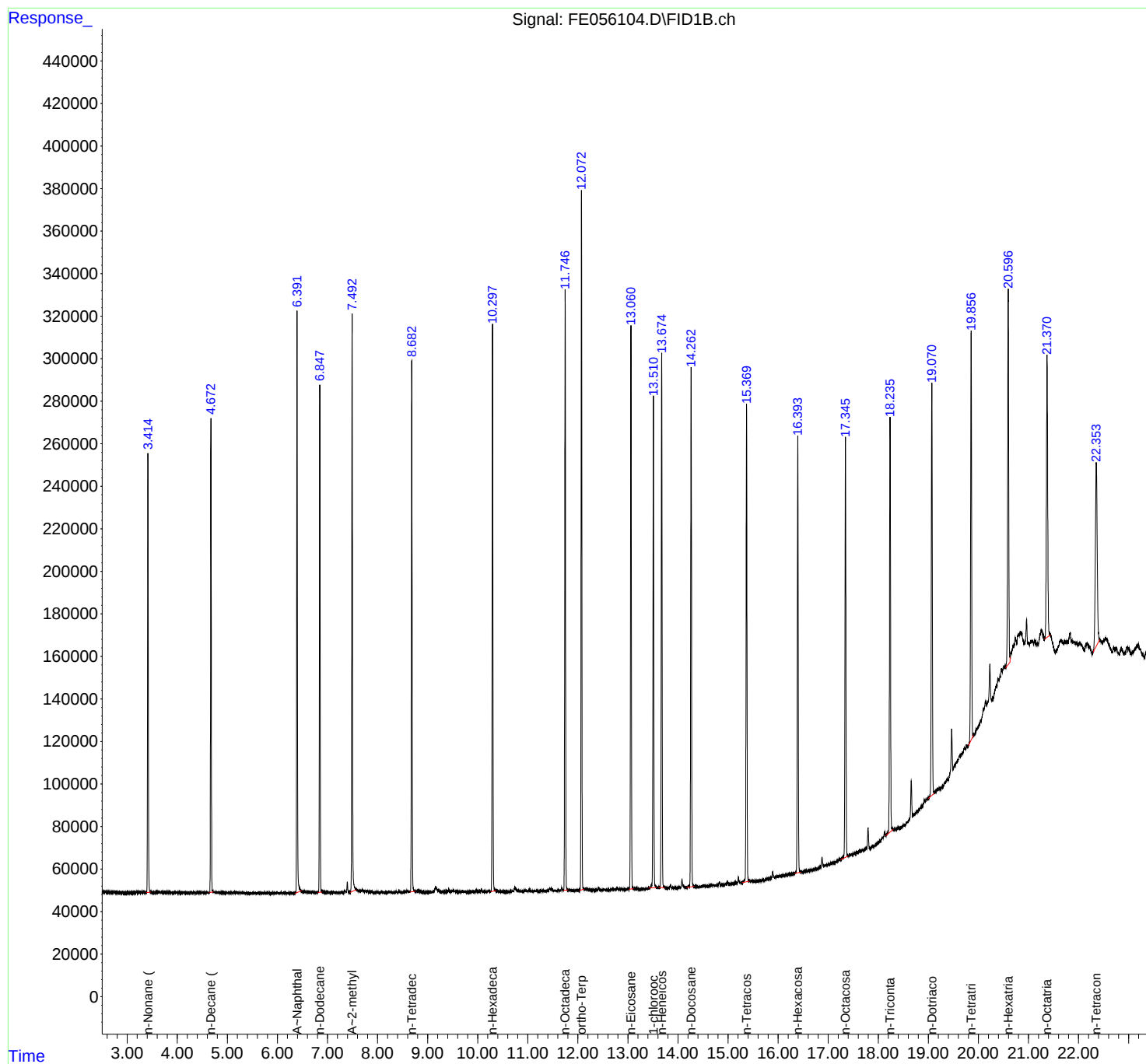
Instrument :
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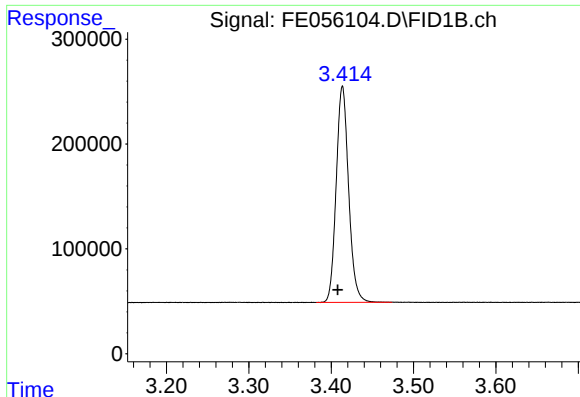
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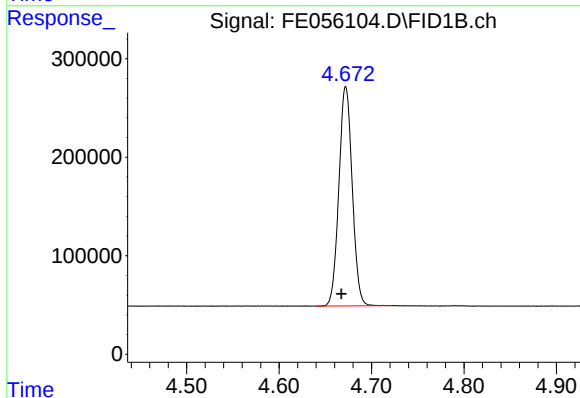
#1 n-Nonane (C9)

R.T.: 3.414 min
Delta R.T.: 0.006 min
Response: 2159944
Conc: 15.77 ug/ml

Instrument :
FID_E
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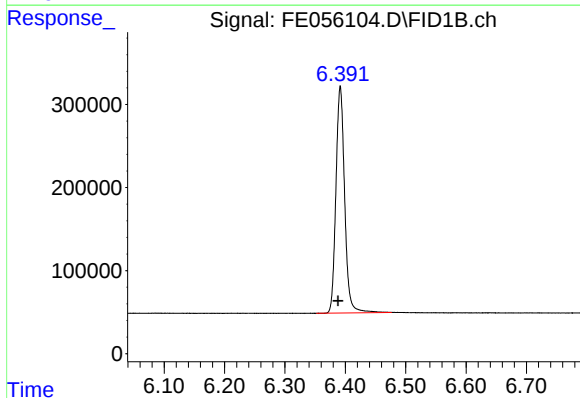
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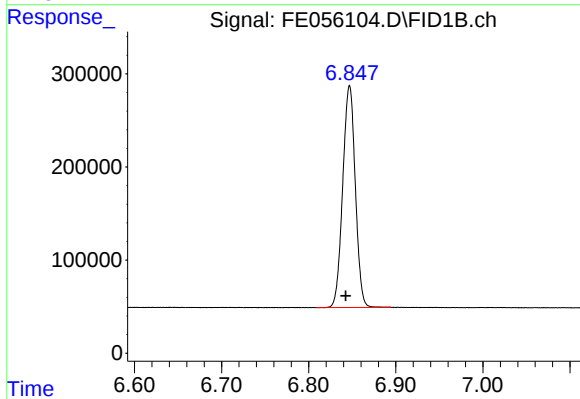
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.005 min
Response: 2230207
Conc: 15.98 ug/ml



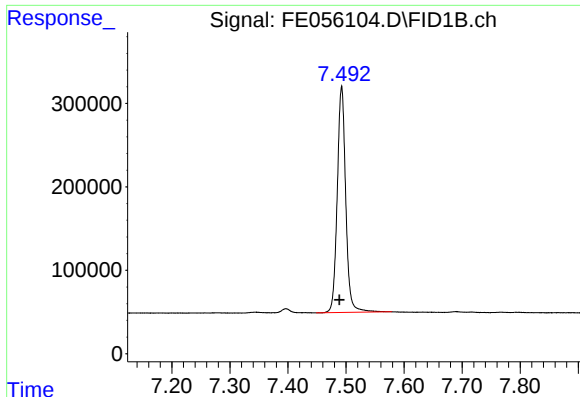
#3 A~Naphthalene (C11.7)

R.T.: 6.392 min
Delta R.T.: 0.004 min
Response: 2744135
Conc: 17.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.847 min
Delta R.T.: 0.004 min
Response: 2391156
Conc: 16.66 ug/ml



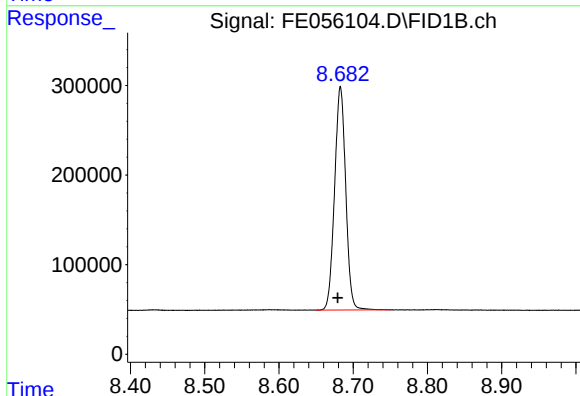
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.492 min
Delta R.T.: 0.004 min
Response: 2754345
Conc: 17.71 ug/ml

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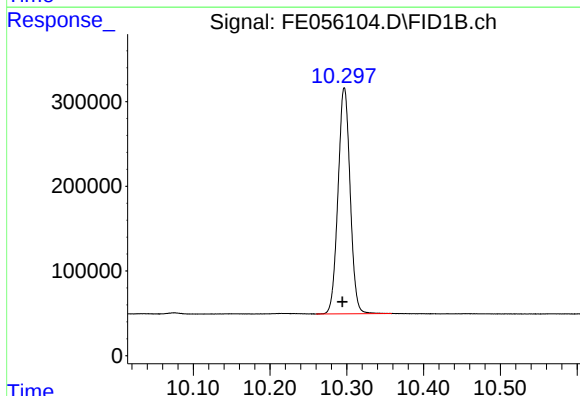
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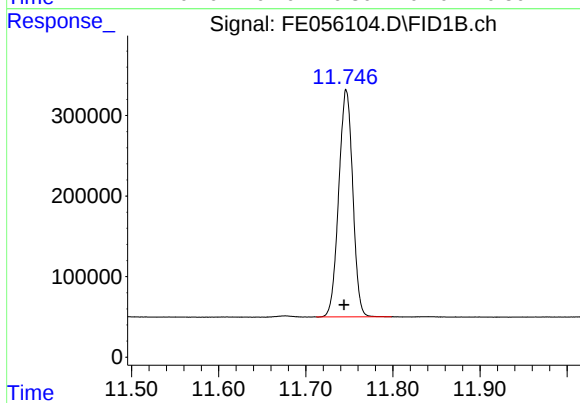
#6 n-Tetradecane (C14)

R.T.: 8.683 min
Delta R.T.: 0.003 min
Response: 2595973
Conc: 17.56 ug/ml



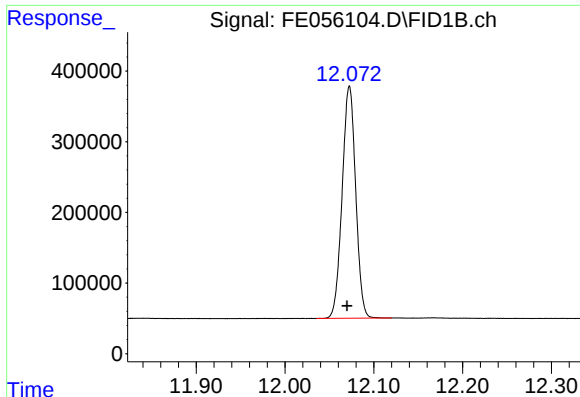
#7 n-Hexadecane (C16)

R.T.: 10.297 min
Delta R.T.: 0.003 min
Response: 2915877
Conc: 18.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.747 min
Delta R.T.: 0.002 min
Response: 3150102
Conc: 18.60 ug/ml



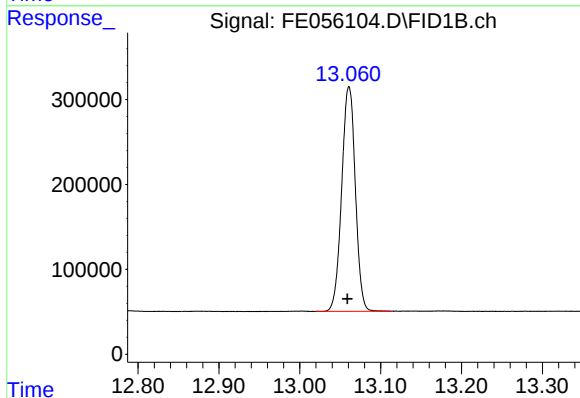
#9 ortho-Terphenyl (SURR)

R.T.: 12.072 min
Delta R.T.: 0.003 min
Response: 3479954
Conc: 18.54 ug/ml

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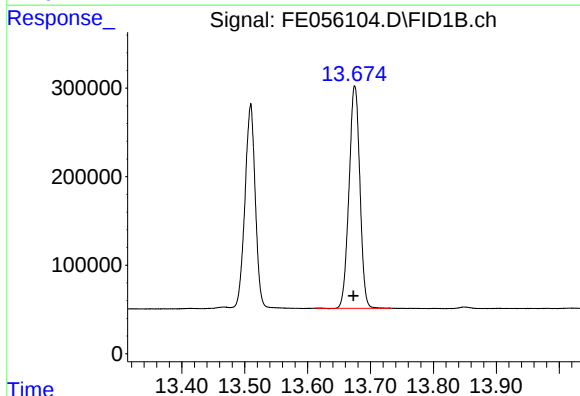
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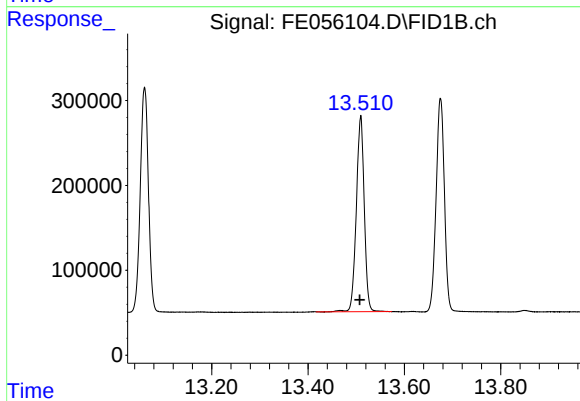
#10 n-Eicosane (C20)

R.T.: 13.061 min
Delta R.T.: 0.002 min
Response: 3104617
Conc: 18.73 ug/ml



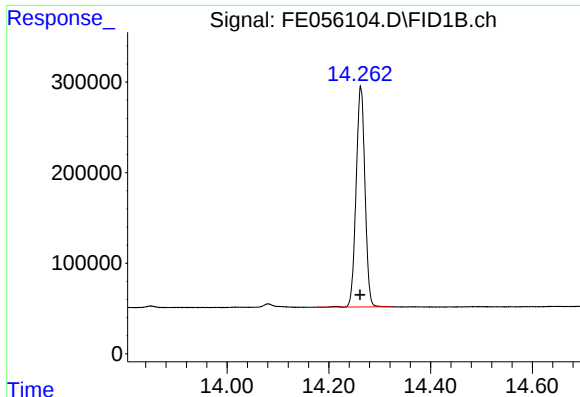
#11 n-Heneicosane (C21)

R.T.: 13.675 min
Delta R.T.: 0.002 min
Response: 3014069
Conc: 18.55 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.509 min
Delta R.T.: 0.002 min
Response: 2655656
Conc: 19.03 ug/ml



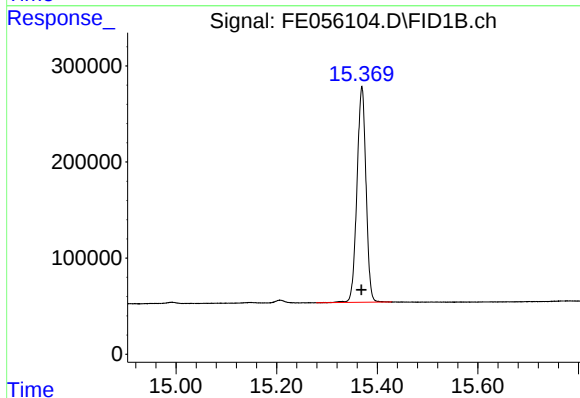
#13 n-Docosane (C22)

R.T.: 14.263 min
Delta R.T.: 0.001 min
Response: 2951249
Conc: 18.47 ug/ml

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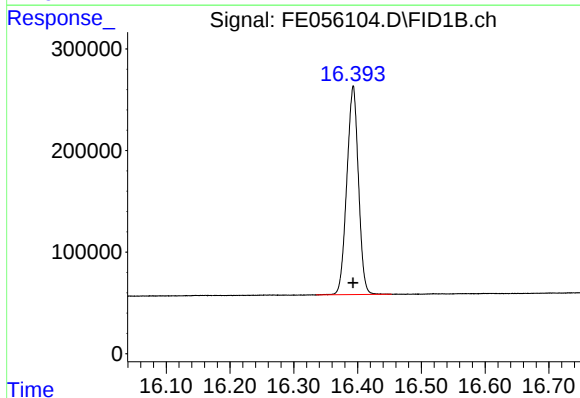
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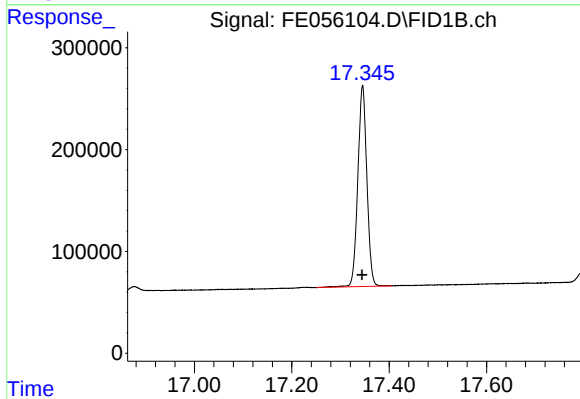
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: 0.000 min
Response: 2797951
Conc: 18.36 ug/ml



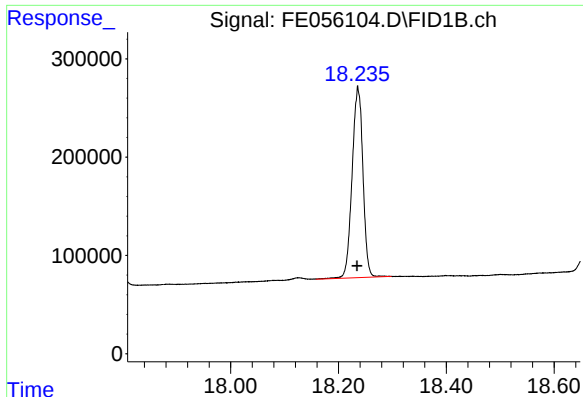
#15 n-Hexacosane (C26)

R.T.: 16.393 min
Delta R.T.: 0.000 min
Response: 2596452
Conc: 18.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.345 min
Delta R.T.: 0.000 min
Response: 2544539
Conc: 18.27 ug/ml



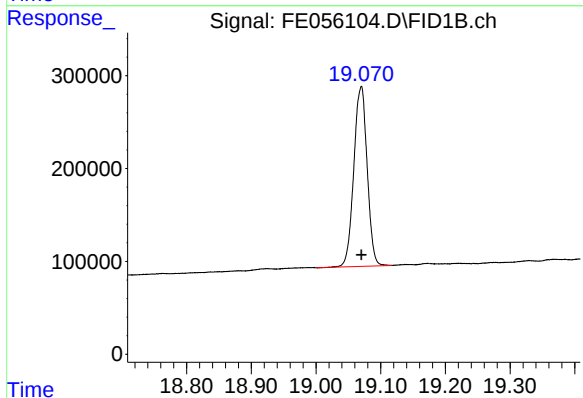
#17 n-Tricontane (C30)

R.T.: 18.236 min
Delta R.T.: 0.002 min
Response: 2701567
Conc: 18.23 ug/ml

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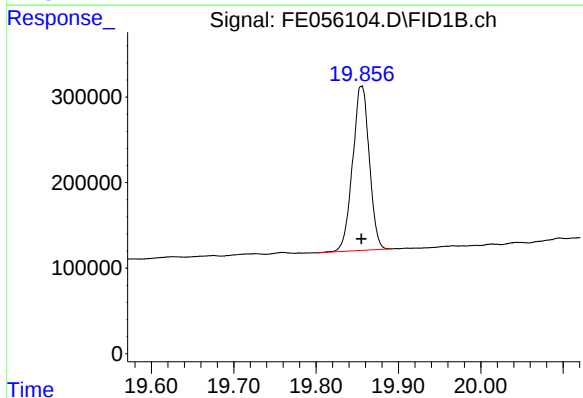
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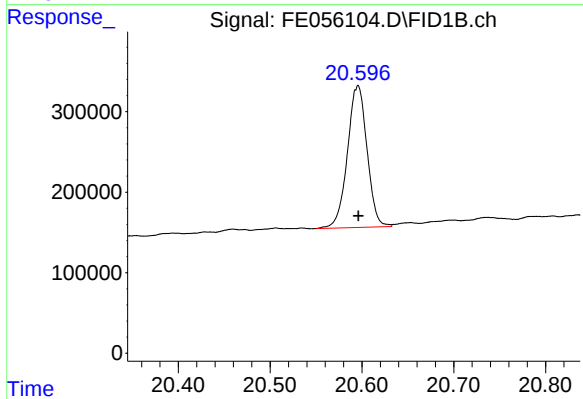
#18 n-Dotriacontane (C32)

R.T.: 19.069 min
Delta R.T.: 0.000 min
Response: 2775166
Conc: 18.60 ug/ml



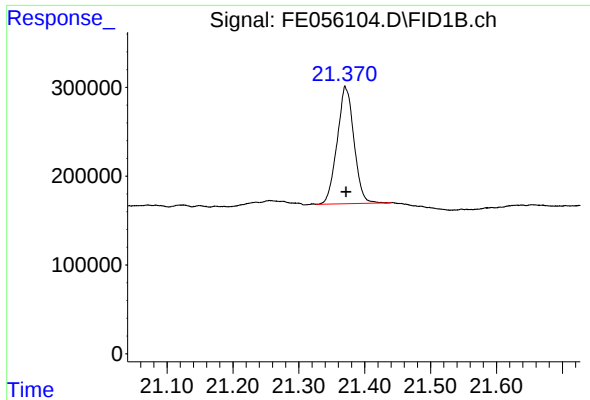
#19 n-Tetratriacontane (C34)

R.T.: 19.855 min
Delta R.T.: 0.000 min
Response: 2705764
Conc: 19.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.595 min
Delta R.T.: 0.000 min
Response: 2616170
Conc: 20.38 ug/ml



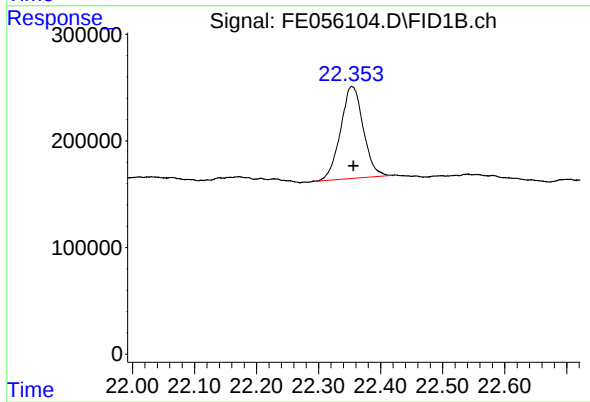
#21 n-Octatriacontane (C38)

R.T.: 21.370 min
Delta R.T.: -0.002 min
Response: 2337003
Conc: 17.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.353 min
Delta R.T.: -0.004 min
Response: 2187466
Conc: 18.39 ug/ml m