

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091725AL\
 Data File : FE055872.D
 Signal(s) : FID1B.ch
 Acq On : 17 Sep 2025 11:55
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/18/2025
 Supervised By :mohammad ahmed 09/19/2025

Integration File: autoint1.e
 Quant Time: Sep 18 01:27:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.070	3105453	18.903 ug/ml
Spiked Amount 50.000		Recovery =	37.81%
12) S 1-chlorooctadecane (S...	13.508	2346332	18.764 ug/ml
Spiked Amount 50.000		Recovery =	37.53%
Target Compounds			
1) T n-Nonane (C9)	3.410	2164948	17.060 ug/ml
2) T n-Decane (C10)	4.667	2302216	17.972 ug/ml
3) T A~Naphthalene (C11.7)	6.386	2681730	18.458 ug/ml
4) T n-Dodecane (C12)	6.843	2386577	18.328 ug/ml
5) T A~2-methylnaphthalene...	7.488	2617443	18.610 ug/ml
6) T n-Tetradecane (C14)	8.680	2471251	18.765 ug/ml
7) T n-Hexadecane (C16)	10.295	2680324	19.353 ug/ml
8) T n-Octadecane (C18)	11.744	2867166	19.657 ug/ml
10) T n-Eicosane (C20)	13.060	2817120	19.571 ug/ml
11) T n-Heneicosane (C21)	13.674	2734383	19.142 ug/ml
13) T n-Docosane (C22)	14.262	2715554	18.971 ug/ml
14) T n-Tetracosane (C24)	15.369	2713690	18.754 ug/ml
15) T n-Hexacosane (C26)	16.393	2557318	17.900 ug/ml
16) T n-Octacosane (C28)	17.345	2580085	18.139 ug/ml
17) T n-Tricontane (C30)	18.236	2812563	19.027 ug/ml
18) T n-Dotriacontane (C32)	19.069	2927132	19.943 ug/ml
19) T n-Tetratriacontane (C34)	19.855	2655616	18.796 ug/ml
20) T n-Hexatriacontane (C36)	20.596	2314474	17.540 ug/ml
21) T n-Octatriacontane (C38)	21.370	2445401	18.776 ug/mlm
22) T n-Tetracontane (C40)	22.355	2002799	15.617 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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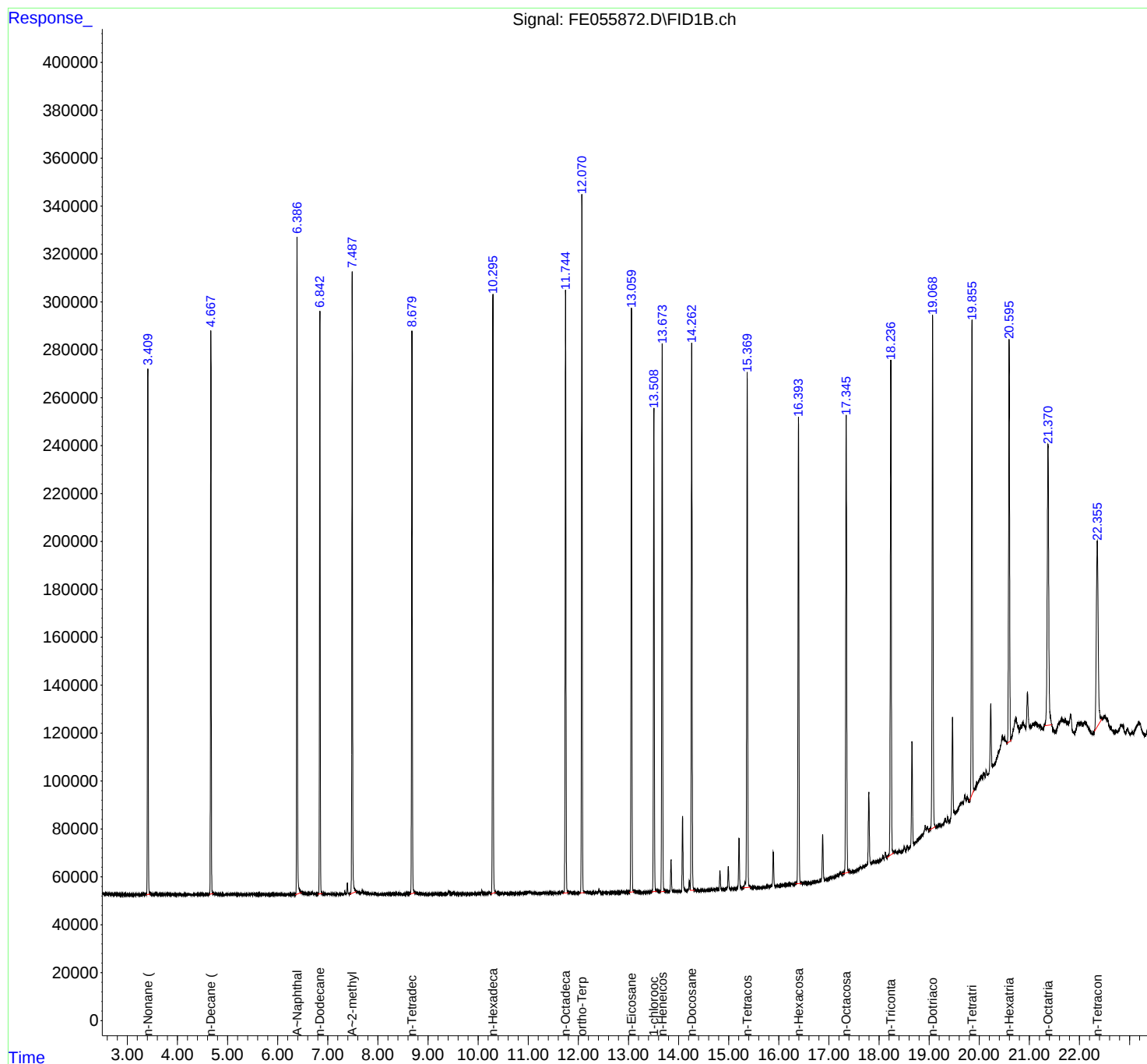
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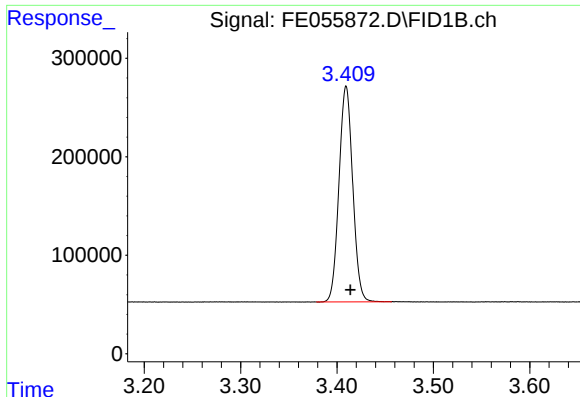
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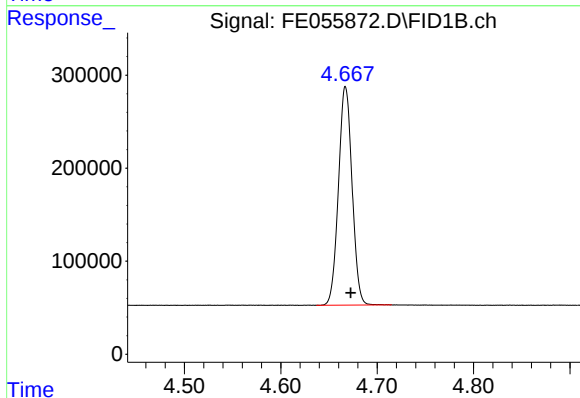
#1 n-Nonane (C9)

R.T.: 3.410 min
Delta R.T.: -0.004 min
Response: 2164948
Conc: 17.06 ug/ml

Instrument :
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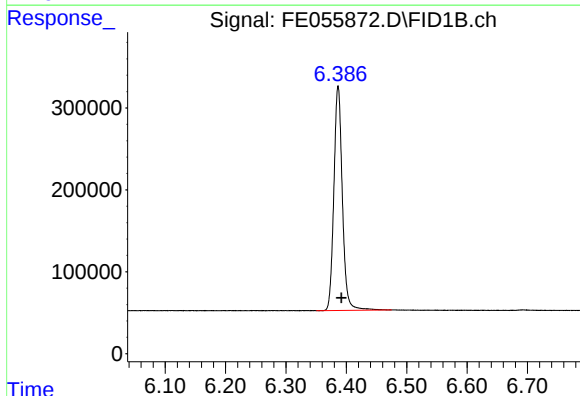
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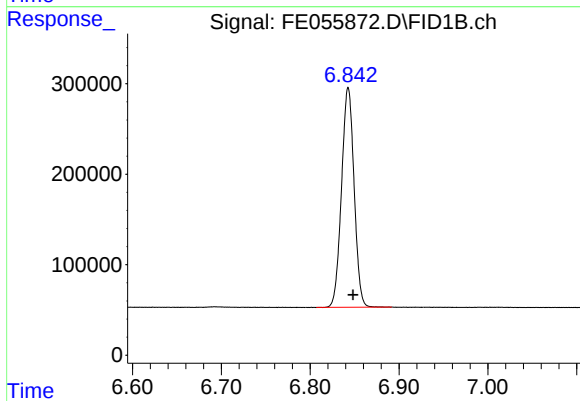
#2 n-Decane (C10)

R.T.: 4.667 min
Delta R.T.: -0.005 min
Response: 2302216
Conc: 17.97 ug/ml



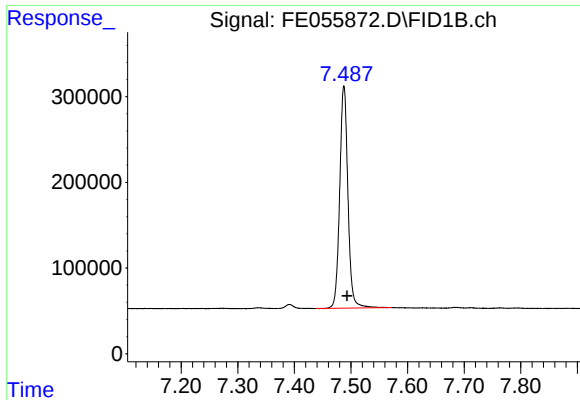
#3 A~Naphthalene (C11.7)

R.T.: 6.386 min
Delta R.T.: -0.006 min
Response: 2681730
Conc: 18.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.843 min
Delta R.T.: -0.006 min
Response: 2386577
Conc: 18.33 ug/ml



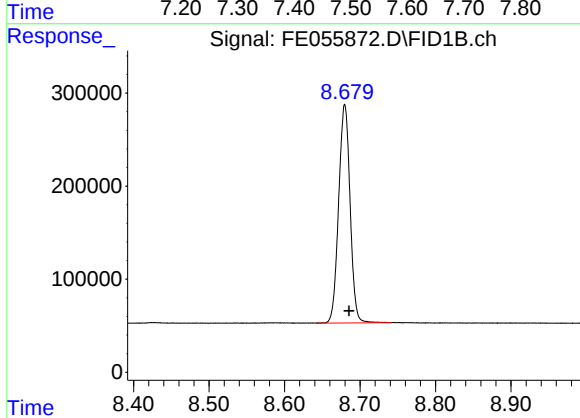
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.488 min
Delta R.T.: -0.006 min
Response: 2617443
Conc: 18.61 ug/ml

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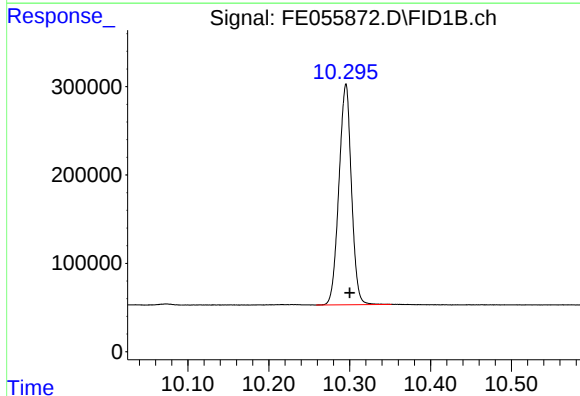
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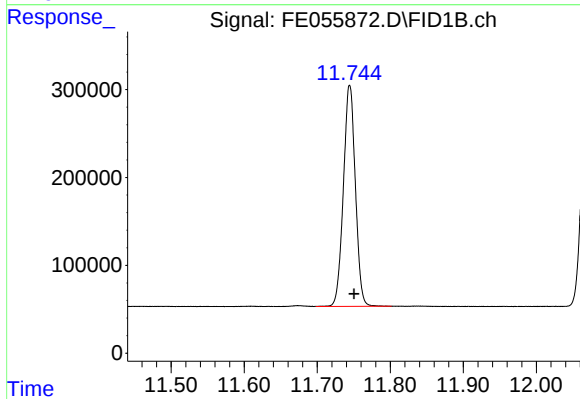
#6 n-Tetradecane (C14)

R.T.: 8.680 min
Delta R.T.: -0.006 min
Response: 2471251
Conc: 18.77 ug/ml



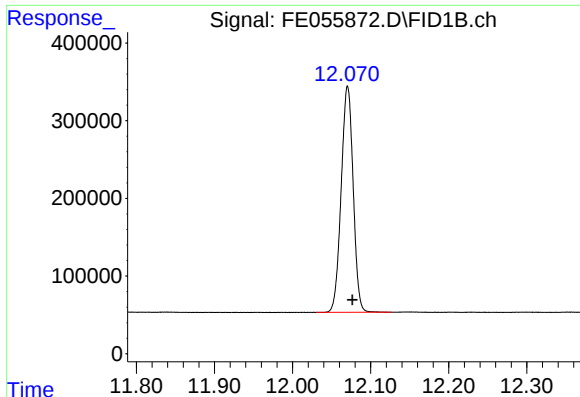
#7 n-Hexadecane (C16)

R.T.: 10.295 min
Delta R.T.: -0.005 min
Response: 2680324
Conc: 19.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.744 min
Delta R.T.: -0.006 min
Response: 2867166
Conc: 19.66 ug/ml



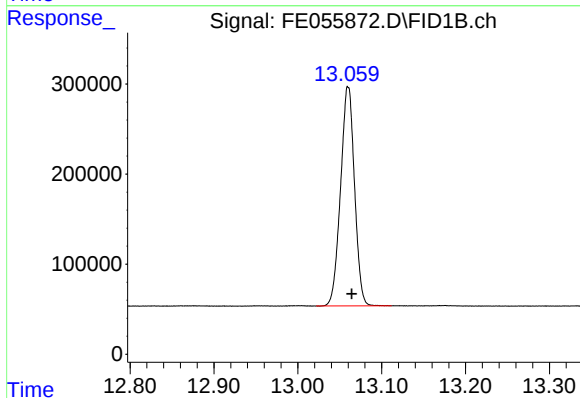
#9 ortho-Terphenyl (SURR)

R.T.: 12.070 min
Delta R.T.: -0.006 min
Response: 3105453
Conc: 18.90 ug/ml

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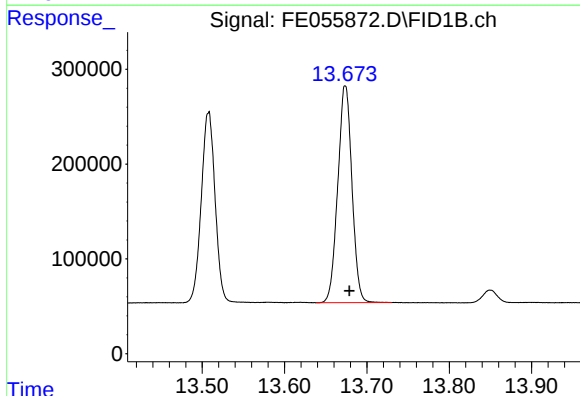
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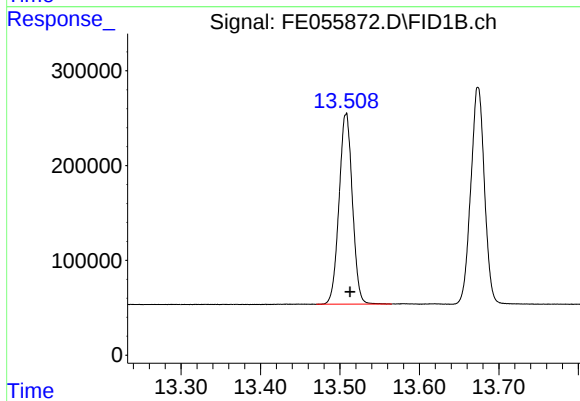
#10 n-Eicosane (C20)

R.T.: 13.060 min
Delta R.T.: -0.004 min
Response: 2817120
Conc: 19.57 ug/ml



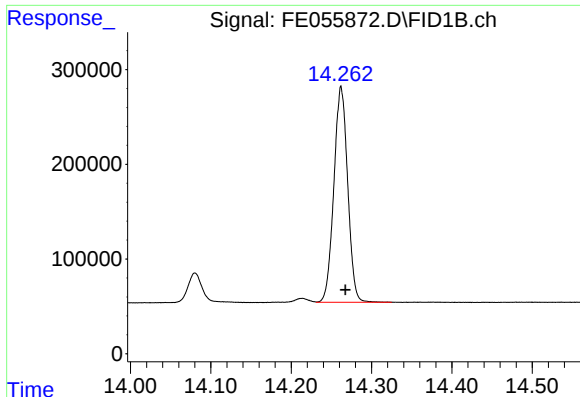
#11 n-Heneicosane (C21)

R.T.: 13.674 min
Delta R.T.: -0.005 min
Response: 2734383
Conc: 19.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.508 min
Delta R.T.: -0.005 min
Response: 2346332
Conc: 18.76 ug/ml



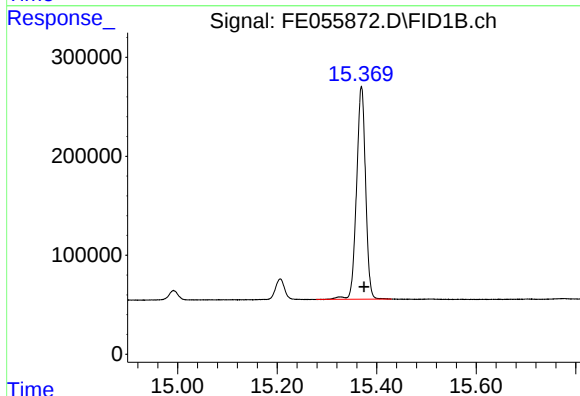
#13 n-Docosane (C22)

R.T.: 14.262 min
Delta R.T.: -0.005 min
Response: 2715554
Conc: 18.97 ug/ml

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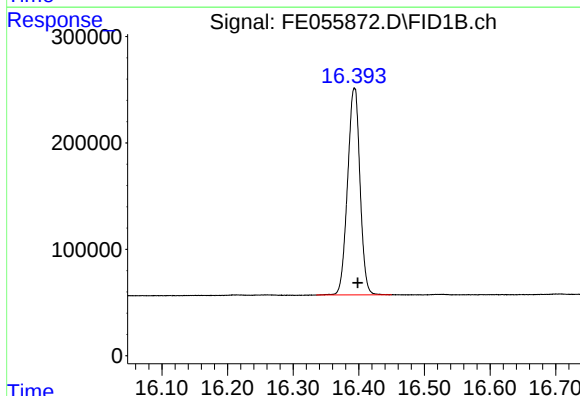
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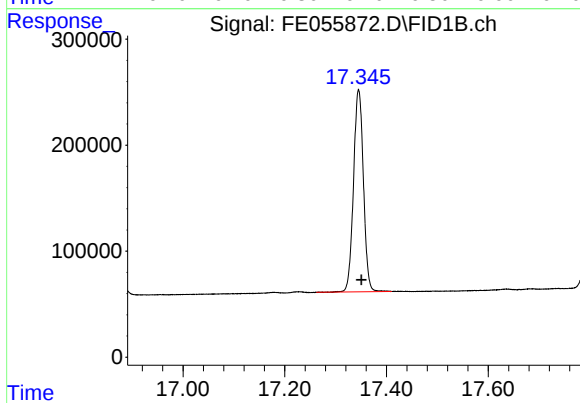
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: -0.005 min
Response: 2713690
Conc: 18.75 ug/ml



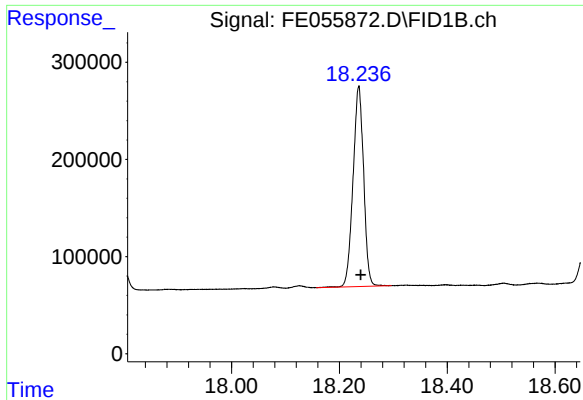
#15 n-Hexacosane (C26)

R.T.: 16.393 min
Delta R.T.: -0.005 min
Response: 2557318
Conc: 17.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.345 min
Delta R.T.: -0.005 min
Response: 2580085
Conc: 18.14 ug/ml



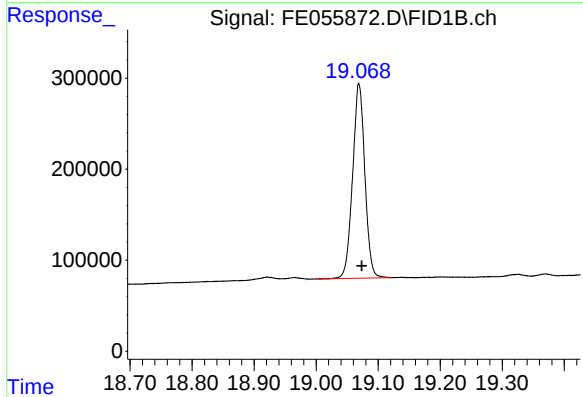
#17 n-Tricontane (C30)

R.T.: 18.236 min
Delta R.T.: -0.004 min
Response: 2812563
Conc: 19.03 ug/ml

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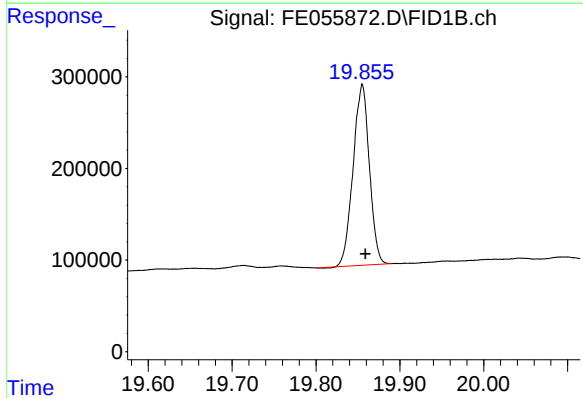
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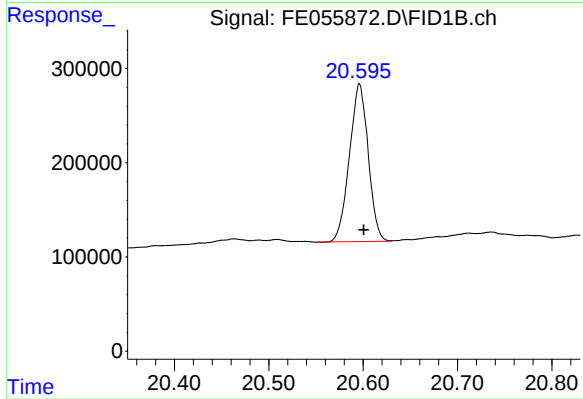
#18 n-Dotriacontane (C32)

R.T.: 19.069 min
Delta R.T.: -0.004 min
Response: 2927132
Conc: 19.94 ug/ml



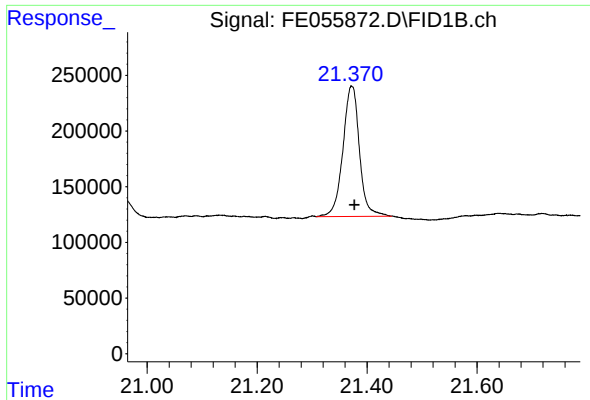
#19 n-Tetratriacontane (C34)

R.T.: 19.855 min
Delta R.T.: -0.004 min
Response: 2655616
Conc: 18.80 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.596 min
Delta R.T.: -0.004 min
Response: 2314474
Conc: 17.54 ug/ml



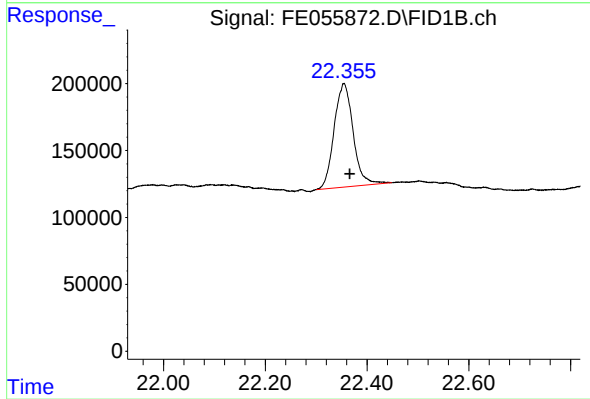
#21 n-Octatriacontane (C38)

R.T.: 21.370 min
Delta R.T.: -0.007 min
Response: 2445401
Conc: 18.78 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.355 min
Delta R.T.: -0.011 min
Response: 2002799
Conc: 15.62 ug/ml