

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092925AL\
 Data File : FE056077.D
 Signal(s) : FID1B.ch
 Acq On : 30 Sep 2025 08:07
 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 09/30/2025
 Supervised By :mohammad ahmed 10/01/2025

Integration File: autoint1.e
 Quant Time: Sep 30 08:34:50 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)	12.074	3848174	20.507 ug/ml
Spiked Amount 50.000		Recovery =	41.01%
12) S 1-chlorooctadecane (S...	13.510	2912233	20.866 ug/ml
Spiked Amount 50.000		Recovery =	41.73%
Target Compounds			
1) T n-Nonane (C9)	3.413	2418072	17.651 ug/ml
2) T n-Decane (C10)	4.672	2534514	18.160 ug/ml
3) T A~Naphthalene (C11.7)	6.392	3138662	19.658 ug/ml
4) T n-Dodecane (C12)	6.847	2756726	19.207 ug/ml
5) T A~2-methylnaphthalene...	7.492	3149498	20.252 ug/ml
6) T n-Tetradecane (C14)	8.683	2978660	20.147 ug/ml
7) T n-Hexadecane (C16)	10.298	3314533	20.858 ug/ml
8) T n-Octadecane (C18)	11.747	3540920	20.905 ug/ml
10) T n-Eicosane (C20)	13.061	3437776	20.739 ug/ml
11) T n-Heneicosane (C21)	13.676	3319390	20.428 ug/ml
13) T n-Docosane (C22)	14.264	3223246	20.172 ug/ml
14) T n-Tetracosane (C24)	15.370	3007040	19.734 ug/ml
15) T n-Hexacosane (C26)	16.393	2768449	19.410 ug/ml
16) T n-Octacosane (C28)	17.346	2679828	19.237 ug/ml
17) T n-Tricontane (C30)	18.236	2803316	18.918 ug/ml
18) T n-Dotriacontane (C32)	19.070	2884097	19.331 ug/ml
19) T n-Tetratriacontane (C34)	19.856	2787056	19.703 ug/ml
20) T n-Hexatriacontane (C36)	20.596	2561839	19.957 ug/mlm
21) T n-Octatriacontane (C38)	21.371	2423852	18.454 ug/mlm
22) T n-Tetracontane (C40)	22.355	2343973	19.703 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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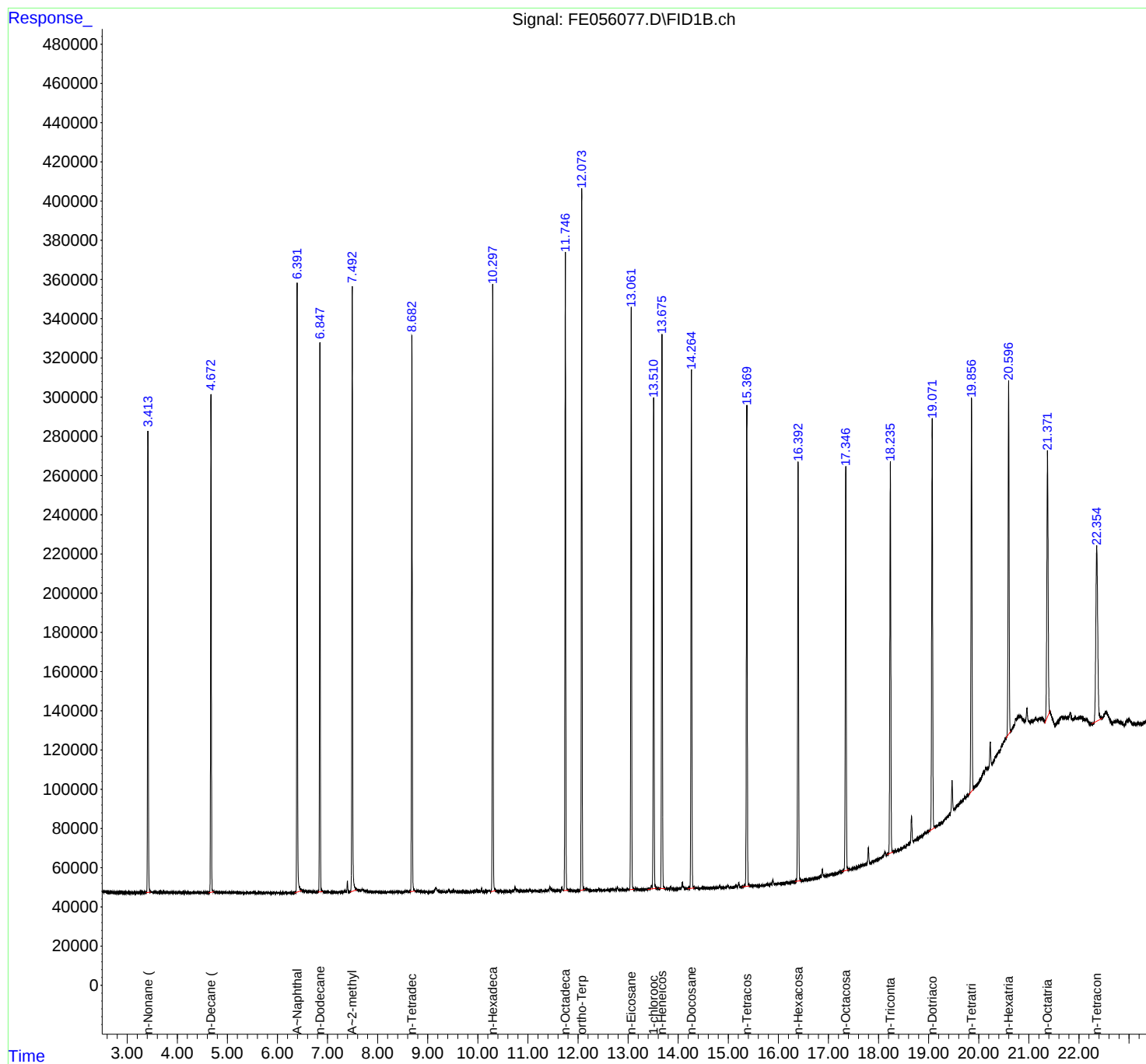
Instrument :
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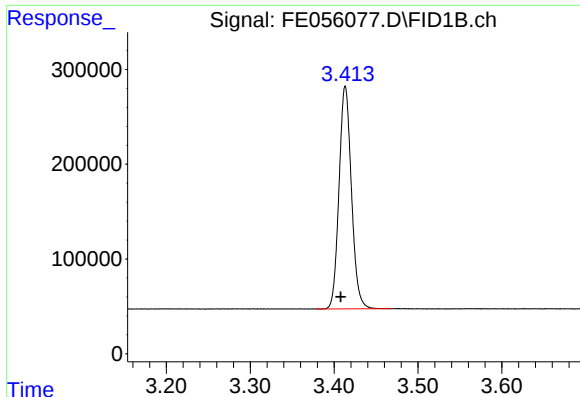
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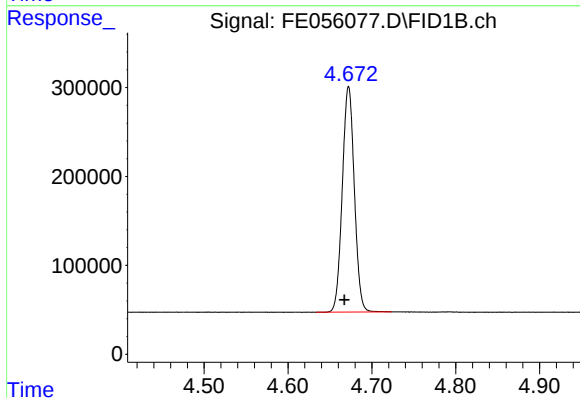
#1 n-Nonane (C9)

R.T.: 3.413 min
Delta R.T.: 0.005 min
Response: 2418072
Conc: 17.65 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

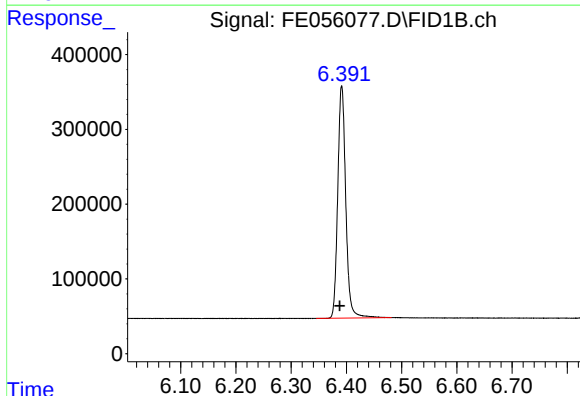
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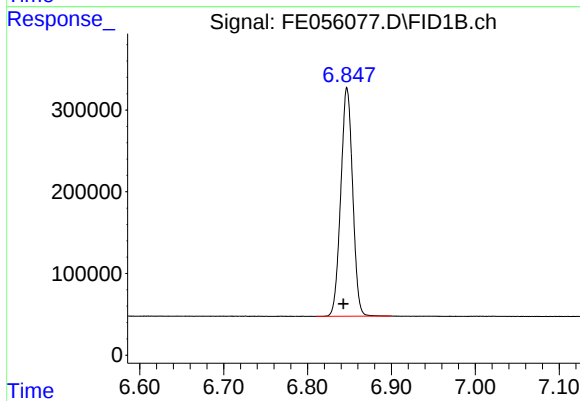
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.005 min
Response: 2534514
Conc: 18.16 ug/ml



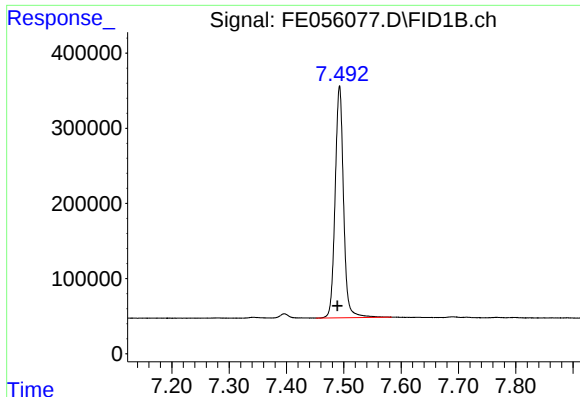
#3 A~Naphthalene (C11.7)

R.T.: 6.392 min
Delta R.T.: 0.003 min
Response: 3138662
Conc: 19.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.847 min
Delta R.T.: 0.004 min
Response: 2756726
Conc: 19.21 ug/ml



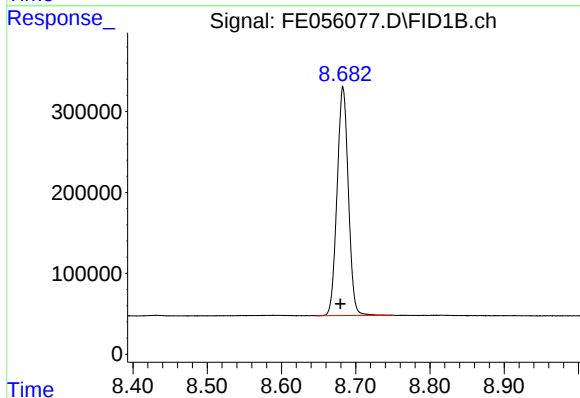
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.492 min
Delta R.T.: 0.004 min
Response: 3149498
Conc: 20.25 ug/ml

Instrument :
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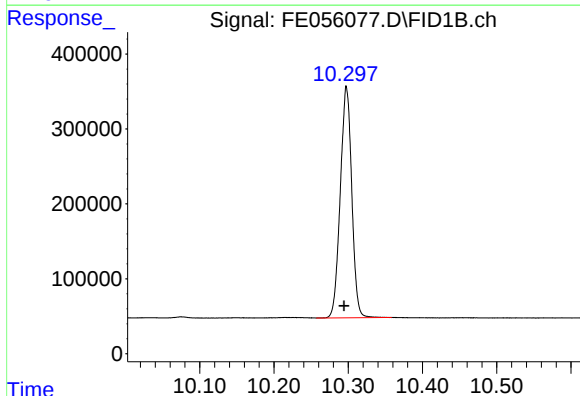
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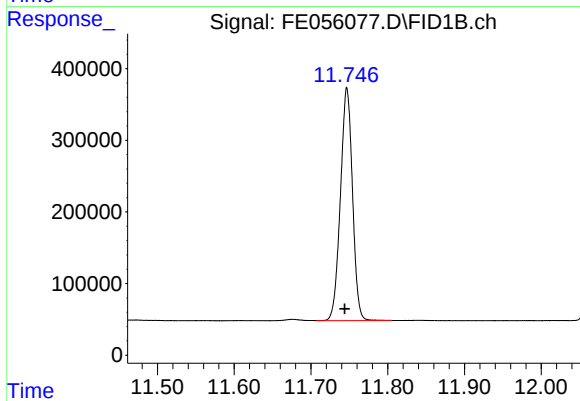
#6 n-Tetradecane (C14)

R.T.: 8.683 min
Delta R.T.: 0.004 min
Response: 2978660
Conc: 20.15 ug/ml



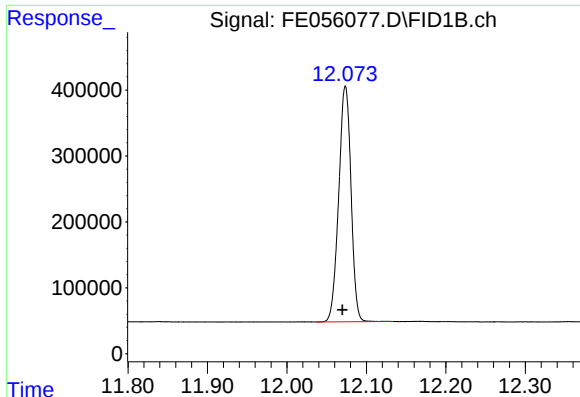
#7 n-Hexadecane (C16)

R.T.: 10.298 min
Delta R.T.: 0.003 min
Response: 3314533
Conc: 20.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.747 min
Delta R.T.: 0.003 min
Response: 3540920
Conc: 20.90 ug/ml



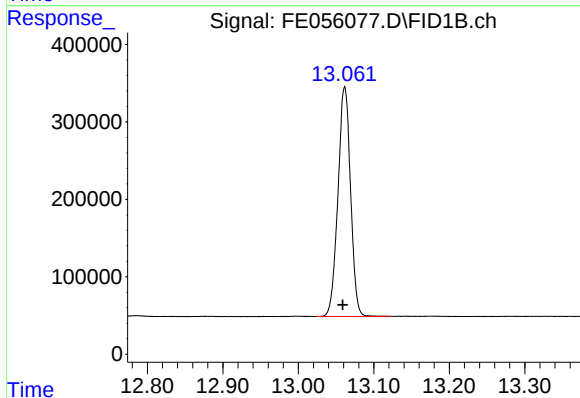
#9 ortho-Terphenyl (SURR)

R.T.: 12.074 min
Delta R.T.: 0.004 min
Response: 3848174
Conc: 20.51 ug/ml

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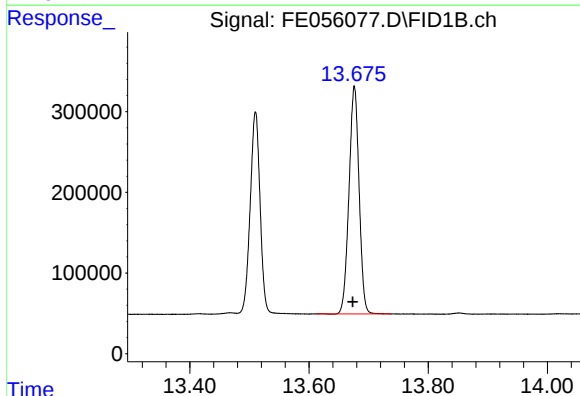
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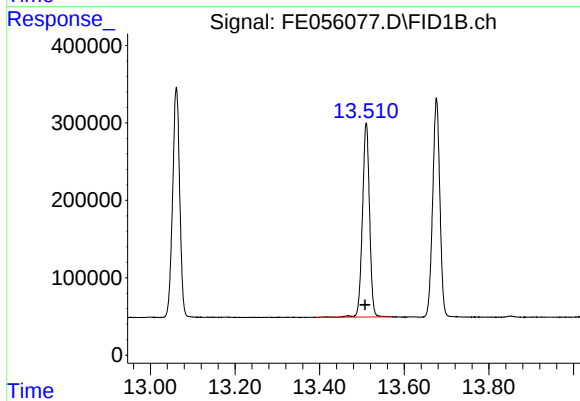
#10 n-Eicosane (C20)

R.T.: 13.061 min
Delta R.T.: 0.003 min
Response: 3437776
Conc: 20.74 ug/ml



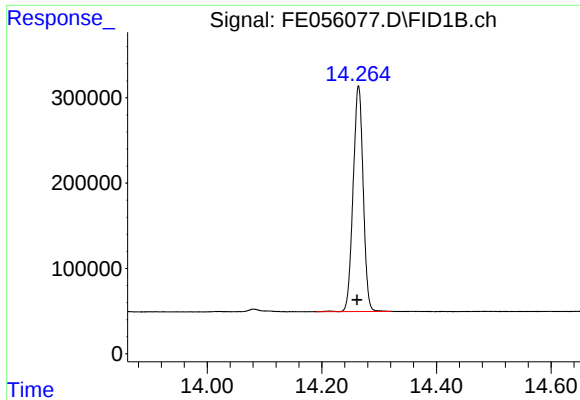
#11 n-Heneicosane (C21)

R.T.: 13.676 min
Delta R.T.: 0.003 min
Response: 3319390
Conc: 20.43 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.510 min
Delta R.T.: 0.003 min
Response: 2912233
Conc: 20.87 ug/ml



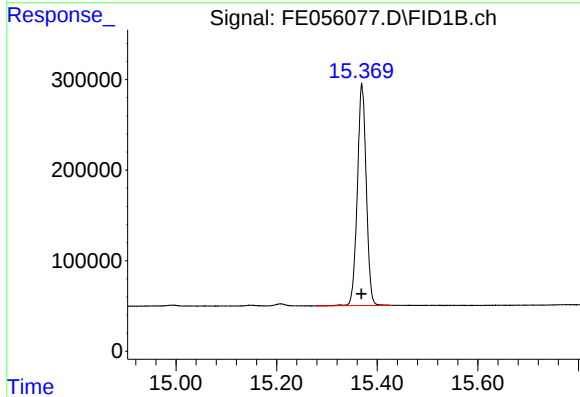
#13 n-Docosane (C22)

R.T.: 14.264 min
Delta R.T.: 0.002 min
Response: 3223246
Conc: 20.17 ug/ml

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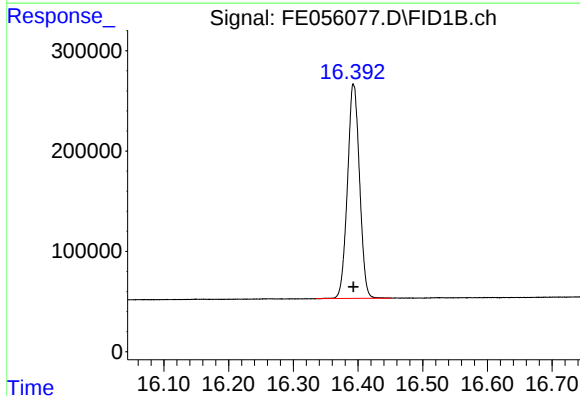
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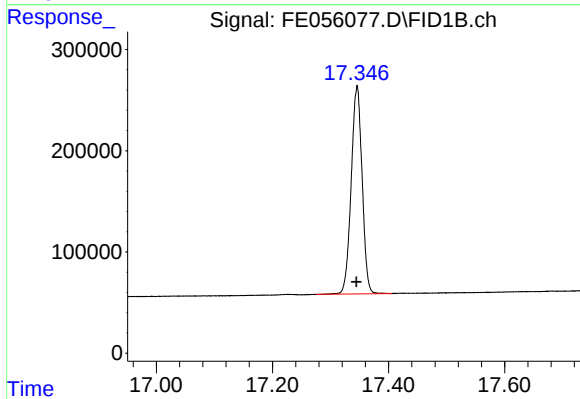
#14 n-Tetracosane (C24)

R.T.: 15.370 min
Delta R.T.: 0.001 min
Response: 3007040
Conc: 19.73 ug/ml



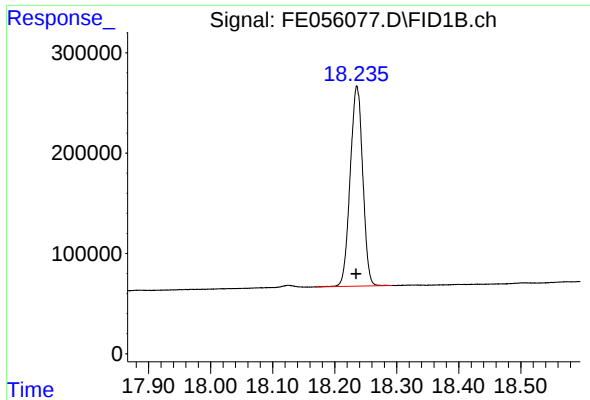
#15 n-Hexacosane (C26)

R.T.: 16.393 min
Delta R.T.: 0.000 min
Response: 2768449
Conc: 19.41 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.346 min
Delta R.T.: 0.000 min
Response: 2679828
Conc: 19.24 ug/ml



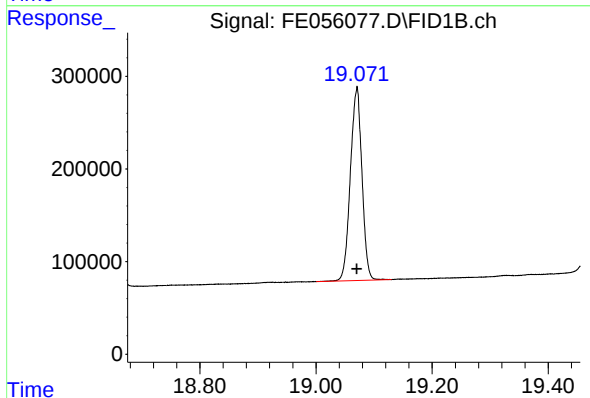
#17 n-Tricontane (C30)

R.T.: 18.236 min
Delta R.T.: 0.001 min
Response: 2803316
Conc: 18.92 ug/ml

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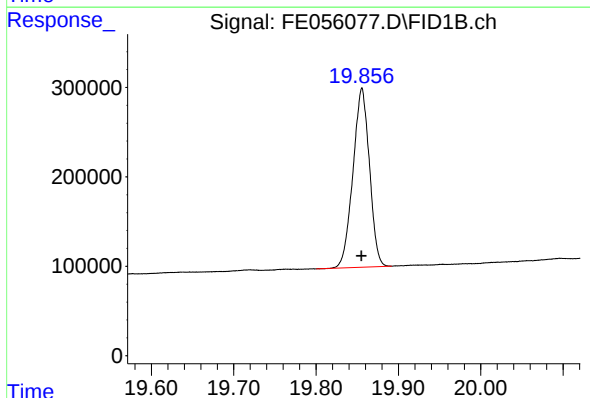
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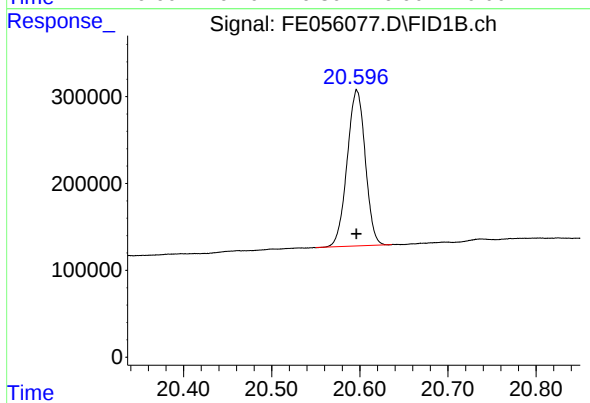
#18 n-Dotriacontane (C32)

R.T.: 19.070 min
Delta R.T.: 0.000 min
Response: 2884097
Conc: 19.33 ug/ml



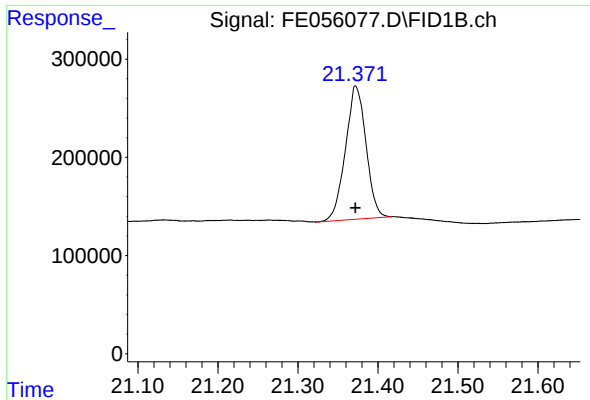
#19 n-Tetratriacontane (C34)

R.T.: 19.856 min
Delta R.T.: 0.000 min
Response: 2787056
Conc: 19.70 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.596 min
Delta R.T.: 0.000 min
Response: 2561839
Conc: 19.96 ug/ml m



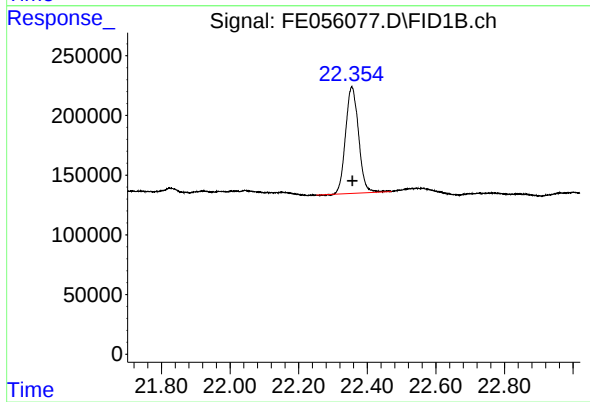
#21 n-Octatriacontane (C38)

R.T.: 21.371 min
Delta R.T.: 0.000 min
Response: 2423852
Conc: 18.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.355 min
Delta R.T.: -0.002 min
Response: 2343973
Conc: 19.70 ug/ml