

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092925AL\
 Data File : FE056035.D
 Signal(s) : FID1B.ch
 Acq On : 29 Sep 2025 09:17
 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 09/29/2025
 Supervised By :mohammad ahmed 10/01/2025

Integration File: autoint1.e
 Quant Time: Sep 29 11:41:28 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)	12.071	3569958	19.024 ug/ml
Spiked Amount 50.000		Recovery =	38.05%
12) S 1-chlorooctadecane (S...	13.506	2759252	19.770 ug/ml
Spiked Amount 50.000		Recovery =	39.54%
Target Compounds			
1) T n-Nonane (C9)	3.415	2498296	18.237 ug/ml
2) T n-Decane (C10)	4.672	2541402	18.210 ug/ml
3) T A~Naphthalene (C11.7)	6.390	2949267	18.472 ug/ml
4) T n-Dodecane (C12)	6.846	2589696	18.043 ug/ml
5) T A~2-methylnaphthalene...	7.490	2875754	18.491 ug/ml
6) T n-Tetradecane (C14)	8.682	2668504	18.049 ug/ml
7) T n-Hexadecane (C16)	10.296	2897276	18.232 ug/ml
8) T n-Octadecane (C18)	11.745	3103903	18.325 ug/ml
10) T n-Eicosane (C20)	13.060	3144674	18.971 ug/ml
11) T n-Heneicosane (C21)	13.673	3132869	19.280 ug/ml
13) T n-Docosane (C22)	14.262	3152019	19.726 ug/ml
14) T n-Tetracosane (C24)	15.367	3145095	20.640 ug/ml
15) T n-Hexacosane (C26)	16.391	2964898	20.787 ug/ml
16) T n-Octacosane (C28)	17.343	2891060	20.753 ug/ml
17) T n-Tricontane (C30)	18.232	2956372	19.951 ug/ml
18) T n-Dotriacontane (C32)	19.065	3195973	21.421 ug/ml
19) T n-Tetratriacontane (C34)	19.851	3235496	22.874 ug/ml
20) T n-Hexatriacontane (C36)	20.593	2780201	21.658 ug/ml
21) T n-Octatriacontane (C38)	21.368	2617445	19.928 ug/mlm
22) T n-Tetracontane (C40)	22.349	2562200	21.537 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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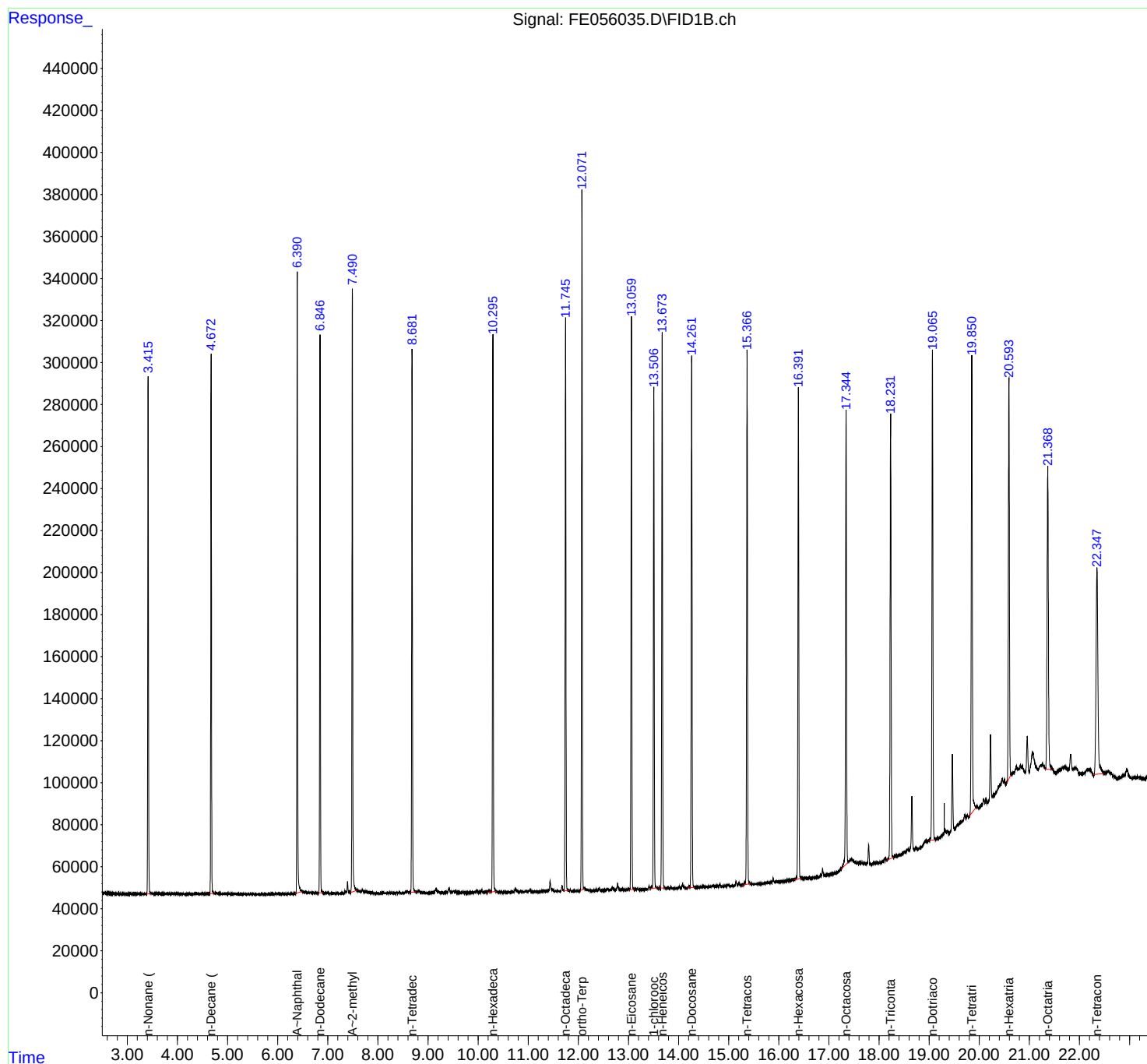
Instrument :
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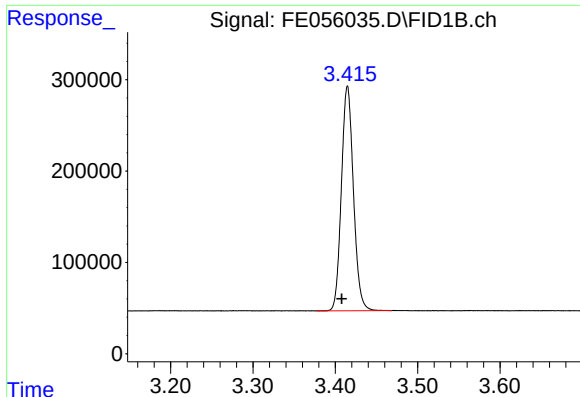
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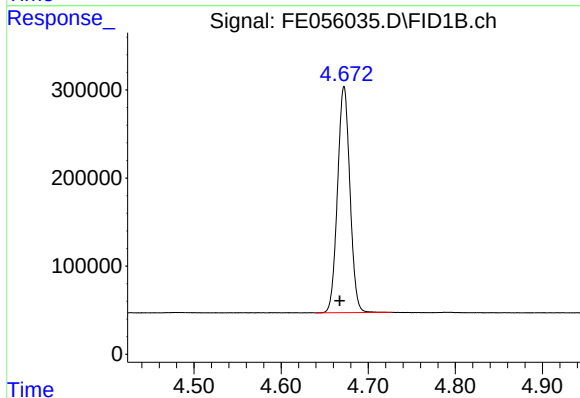
#1 n-Nonane (C9)

R.T.: 3.415 min
Delta R.T.: 0.007 min
Response: 2498296
Conc: 18.24 ug/ml

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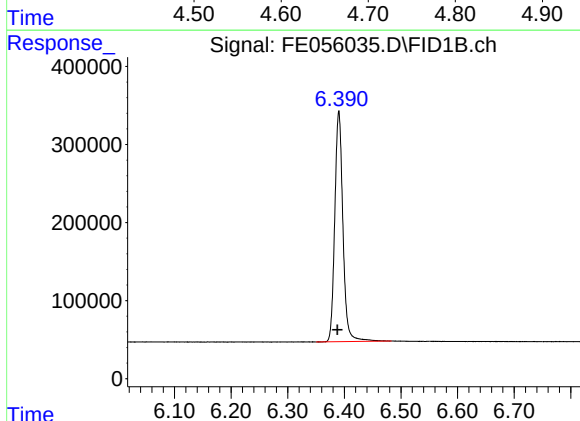
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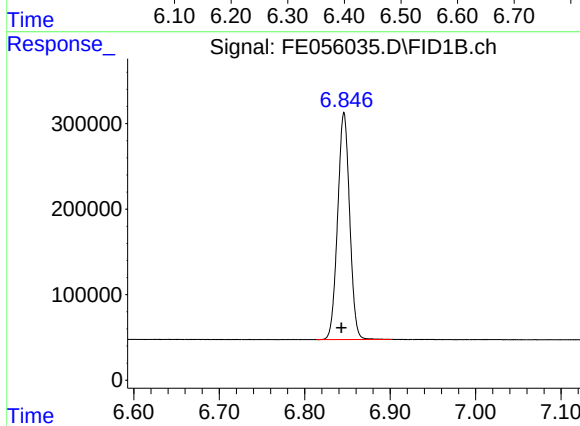
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.005 min
Response: 2541402
Conc: 18.21 ug/ml



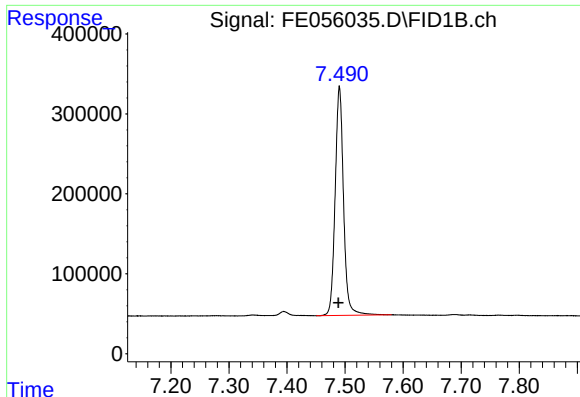
#3 A~Naphthalene (C11.7)

R.T.: 6.390 min
Delta R.T.: 0.002 min
Response: 2949267
Conc: 18.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.846 min
Delta R.T.: 0.003 min
Response: 2589696
Conc: 18.04 ug/ml



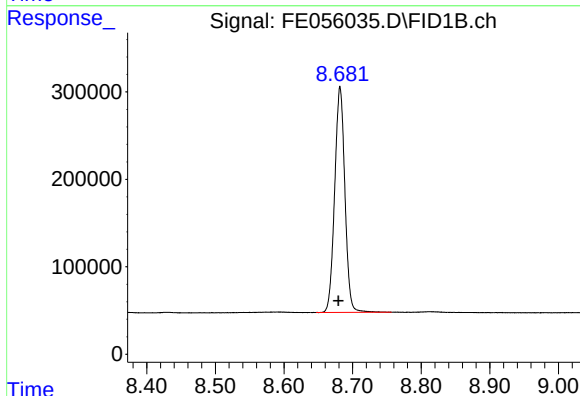
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.490 min
Delta R.T.: 0.002 min
Response: 2875754
Conc: 18.49 ug/ml

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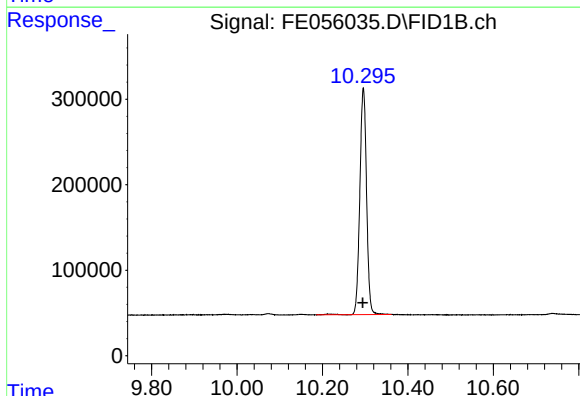
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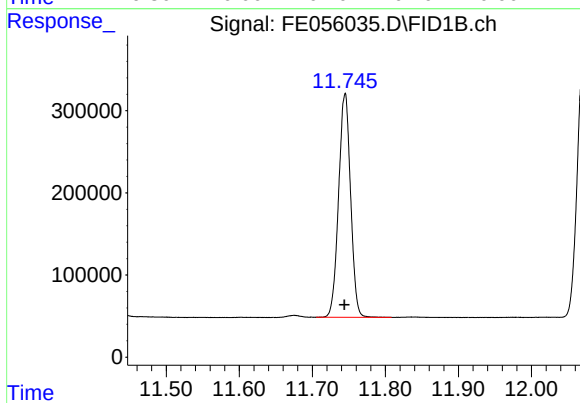
#6 n-Tetradecane (C14)

R.T.: 8.682 min
Delta R.T.: 0.002 min
Response: 2668504
Conc: 18.05 ug/ml



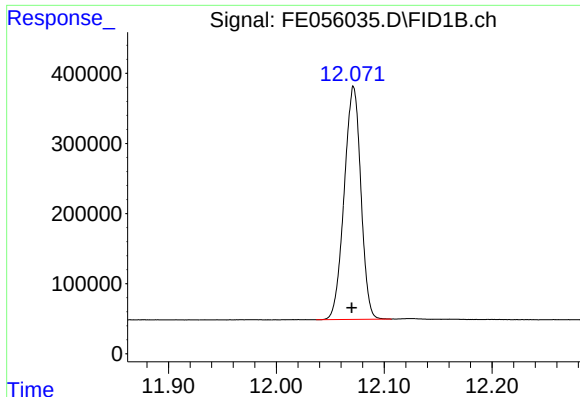
#7 n-Hexadecane (C16)

R.T.: 10.296 min
Delta R.T.: 0.001 min
Response: 2897276
Conc: 18.23 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.745 min
Delta R.T.: 0.000 min
Response: 3103903
Conc: 18.32 ug/ml



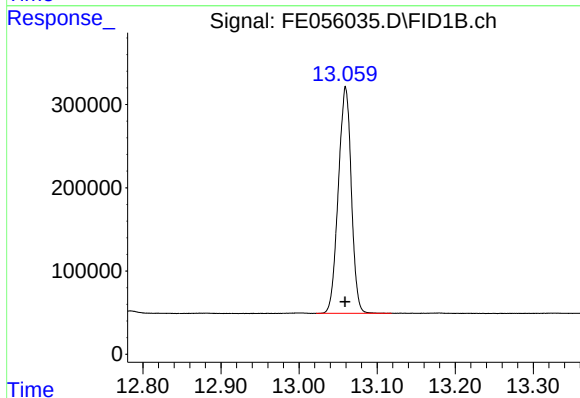
#9 ortho-Terphenyl (SURR)

R.T.: 12.071 min
Delta R.T.: 0.002 min
Response: 3569958
Conc: 19.02 ug/ml

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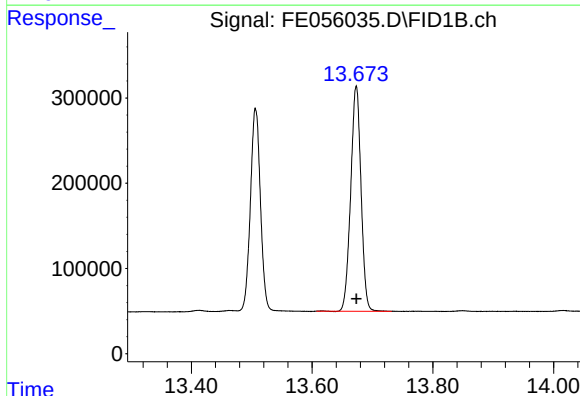
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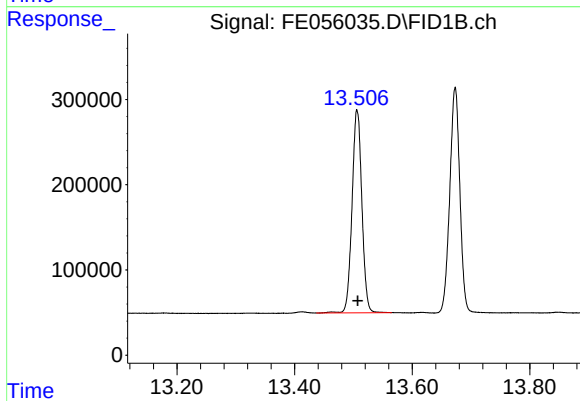
#10 n-Eicosane (C20)

R.T.: 13.060 min
Delta R.T.: 0.000 min
Response: 3144674
Conc: 18.97 ug/ml



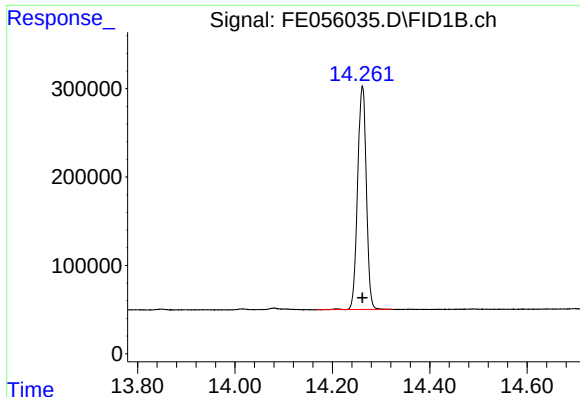
#11 n-Heneicosane (C21)

R.T.: 13.673 min
Delta R.T.: 0.000 min
Response: 3132869
Conc: 19.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.506 min
Delta R.T.: 0.000 min
Response: 2759252
Conc: 19.77 ug/ml



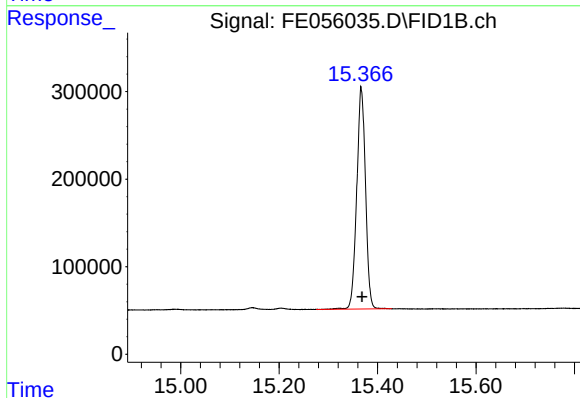
#13 n-Docosane (C22)

R.T.: 14.262 min
Delta R.T.: 0.000 min
Response: 3152019
Conc: 19.73 ug/ml

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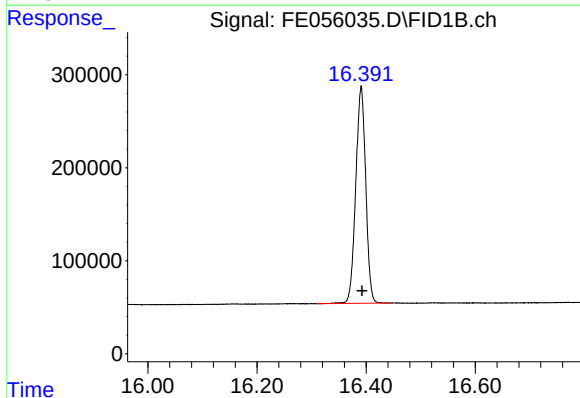
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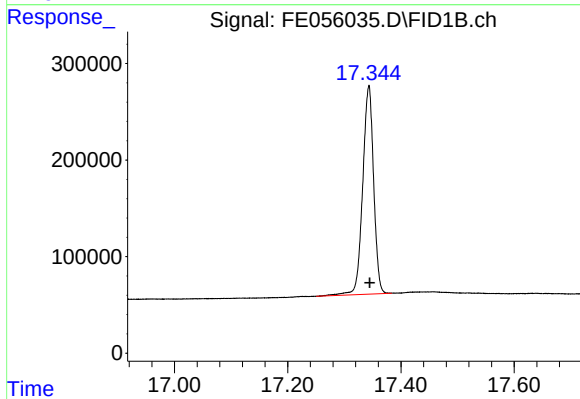
#14 n-Tetracosane (C24)

R.T.: 15.367 min
Delta R.T.: -0.002 min
Response: 3145095
Conc: 20.64 ug/ml



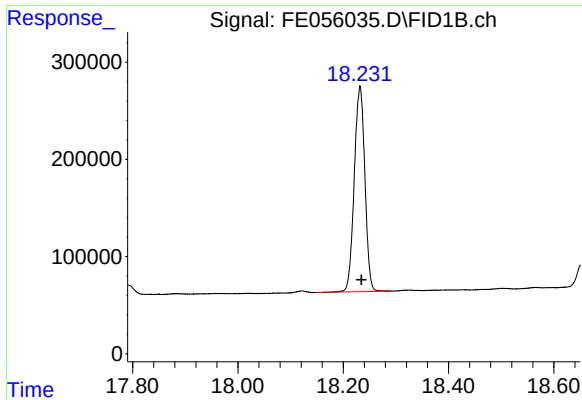
#15 n-Hexacosane (C26)

R.T.: 16.391 min
Delta R.T.: -0.002 min
Response: 2964898
Conc: 20.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.343 min
Delta R.T.: -0.002 min
Response: 2891060
Conc: 20.75 ug/ml



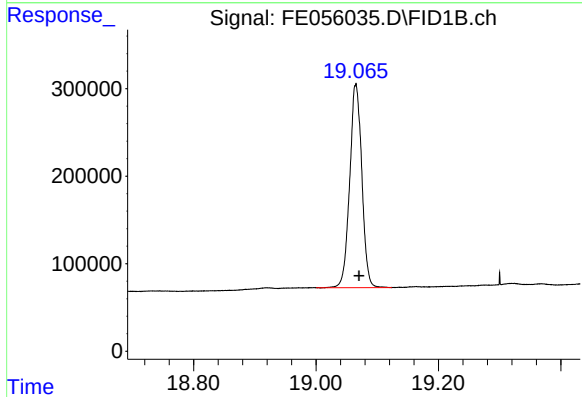
#17 n-Tricontane (C30)

R.T.: 18.232 min
Delta R.T.: -0.003 min
Response: 2956372
Conc: 19.95 ug/ml

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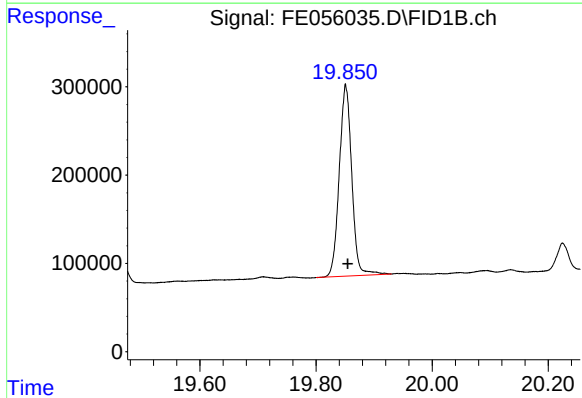
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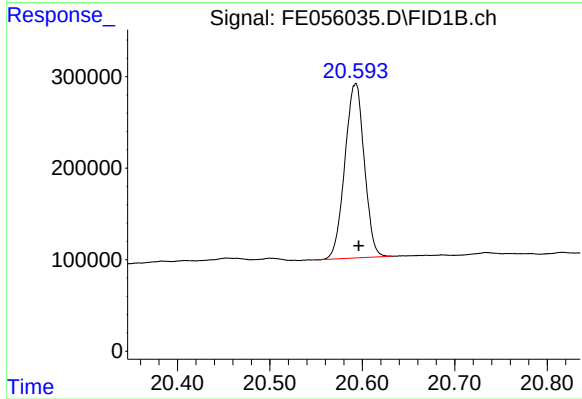
#18 n-Dotriacontane (C32)

R.T.: 19.065 min
Delta R.T.: -0.005 min
Response: 3195973
Conc: 21.42 ug/ml



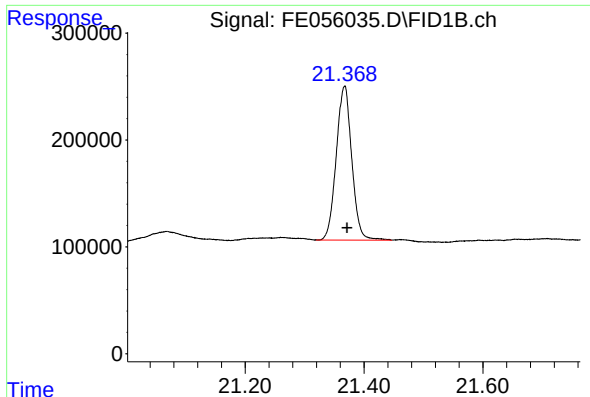
#19 n-Tetratriacontane (C34)

R.T.: 19.851 min
Delta R.T.: -0.004 min
Response: 3235496
Conc: 22.87 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.593 min
Delta R.T.: -0.004 min
Response: 2780201
Conc: 21.66 ug/ml



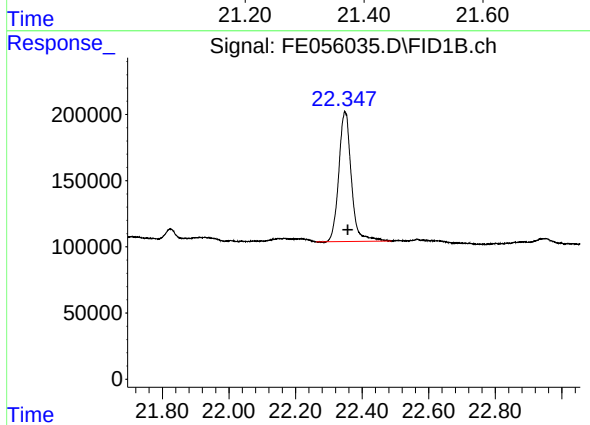
#21 n-Octatriacontane (C38)

R.T.: 21.368 min
Delta R.T.: -0.004 min
Response: 2617445
Conc: 19.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.349 min
Delta R.T.: -0.008 min
Response: 2562200
Conc: 21.54 ug/ml