

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050725AL\
 Data File : FE053696.D
 Signal(s) : FID1B.ch
 Acq On : 07 May 2025 18:24
 Operator : YP\AJ
 Sample : Q1964-01MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

MH-LLMS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/08/2025

Supervised By :mohammad ahmed 05/09/2025

Integration File: autoint1.e

Quant Time: May 08 01:57:02 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M

Quant Title : GC Extractables

QLast Update : Tue Apr 29 06:49:03 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)	11.864	4848353	26.881 ug/ml
Spiked Amount 50.000		Recovery =	53.76%
12) S 1-chlorooctadecane (S...	13.309	3964288	29.327 ug/ml
Spiked Amount 50.000		Recovery =	58.65%
Target Compounds			
1) T n-Nonane (C9)	3.212	4292800	31.311 ug/ml
2) T n-Decane (C10)	4.473	4822193	34.859 ug/mlm
3) T A~Naphthalene (C11.7)	6.184	5841555	38.700 ug/ml
4) T n-Dodecane (C12)	6.653	5387010	38.410 ug/ml
5) T A~2-methylnaphthalene...	7.287	5610415	37.577 ug/ml
6) T n-Tetradecane (C14)	8.490	5956746	42.460 ug/ml
7) T n-Hexadecane (C16)	10.102	6208433	43.318 ug/ml
8) T n-Octadecane (C18)	11.551	6320343	43.369 ug/ml
10) T n-Eicosane (C20)	12.865	6456385	44.370 ug/ml
11) T n-Heneicosane (C21)	13.478	6152302	42.475 ug/ml
13) T n-Docosane (C22)	14.066	6084721	42.166 ug/mlm
14) T n-Tetracosane (C24)	15.164	12309685	85.698 ug/ml
15) T n-Hexacosane (C26)	16.197	5846083	41.277 ug/mlm
16) T n-Octacosane (C28)	17.147	6066118	43.602 ug/ml
17) T n-Tricontane (C30)	18.038	5708252	41.009 ug/ml
18) T n-Dotriacontane (C32)	18.871	5677700	41.350 ug/ml
19) T n-Tetratriacontane (C34)	19.656	5767661	44.267 ug/ml
20) T n-Hexatriacontane (C36)	20.397	5529791	43.802 ug/ml
21) T n-Octatriacontane (C38)	21.131	5617849	46.112 ug/ml
22) T n-Tetracontane (C40)	22.034	5775328	48.361 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 11 Sample Multiplier: 1

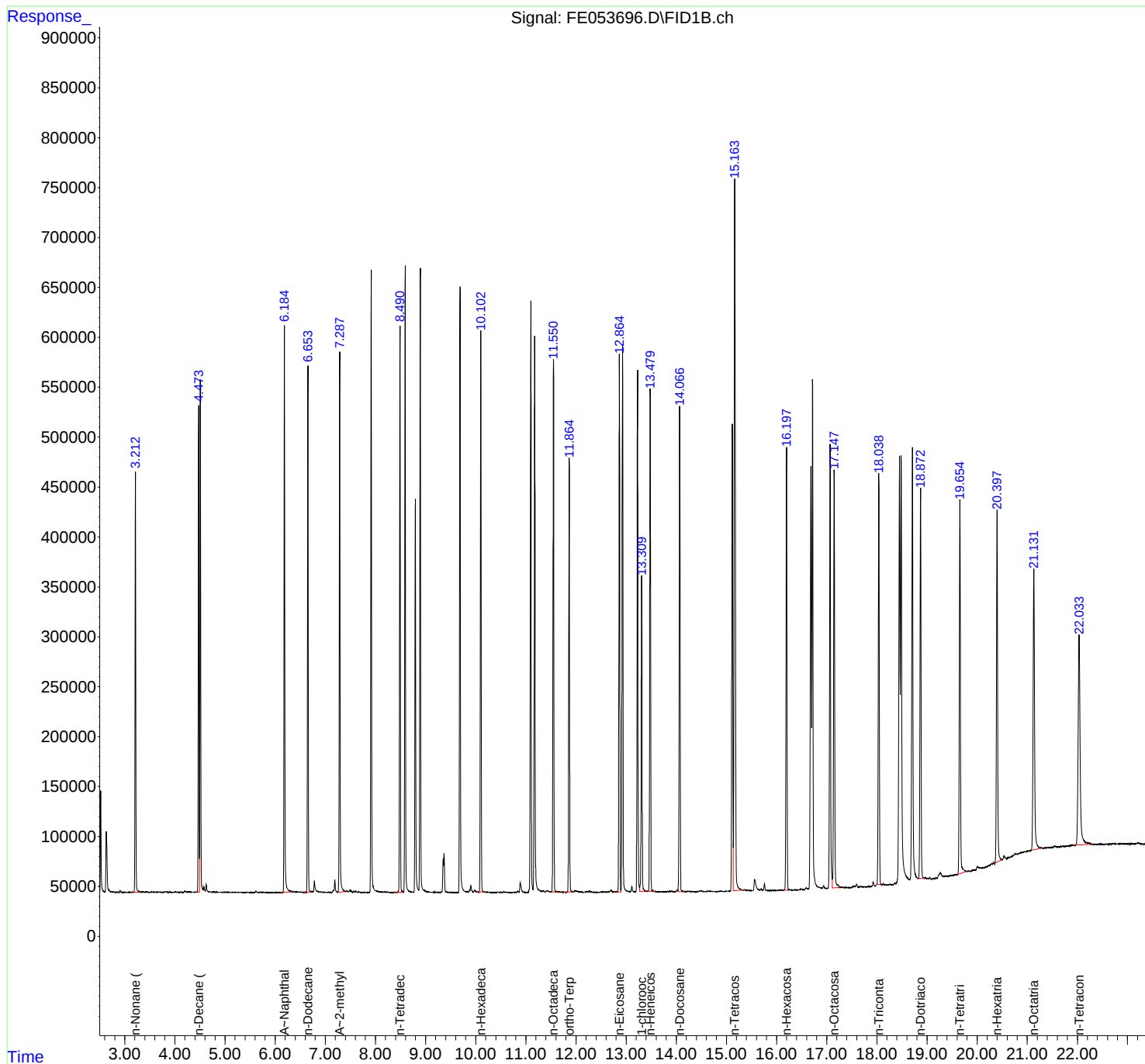
Instrument :
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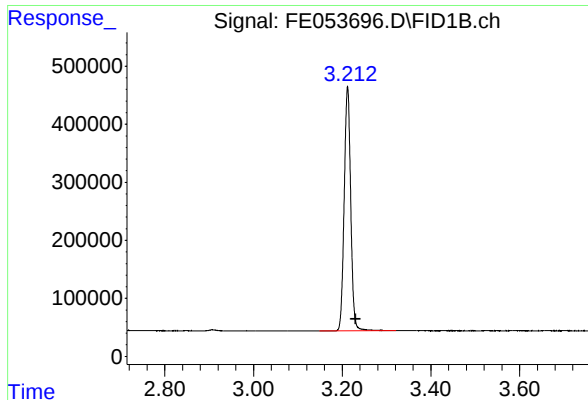
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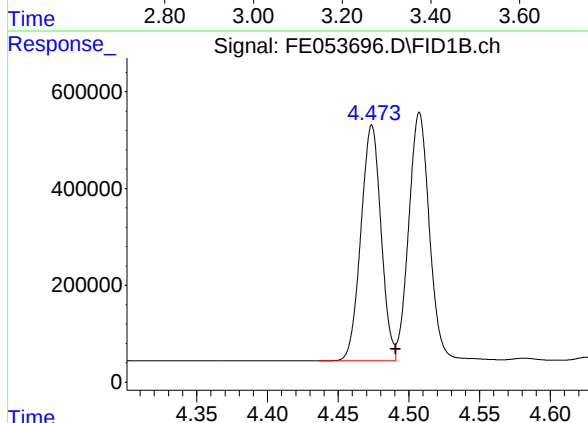
#1 n-Nonane (C9)

R.T.: 3.212 min
Delta R.T.: -0.018 min
Response: 4292800
Conc: 31.31 ug/ml

Instrument :
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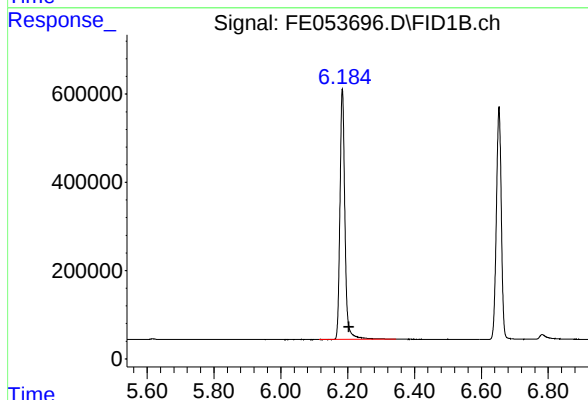
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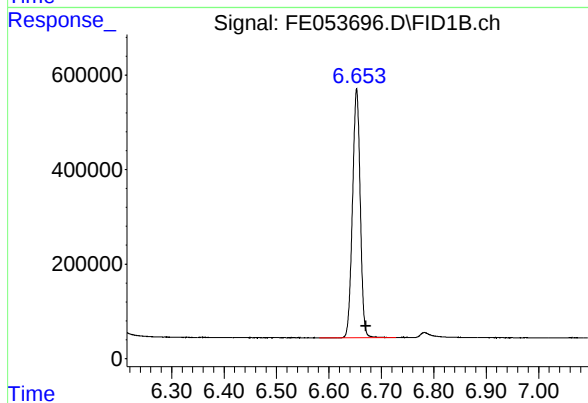
#2 n-Decane (C10)

R.T.: 4.473 min
Delta R.T.: -0.017 min
Response: 4822193
Conc: 34.86 ug/ml



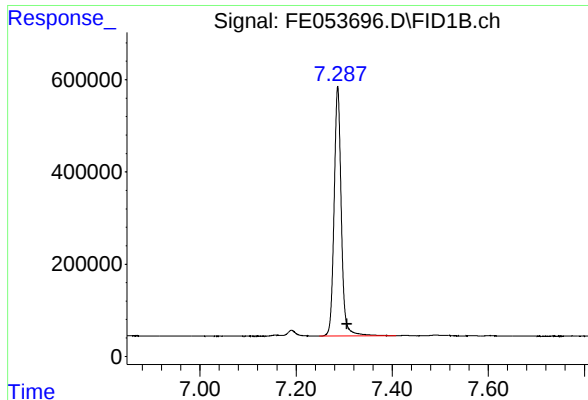
#3 A~Naphthalene (C11.7)

R.T.: 6.184 min
Delta R.T.: -0.019 min
Response: 5841555
Conc: 38.70 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.653 min
Delta R.T.: -0.018 min
Response: 5387010
Conc: 38.41 ug/ml



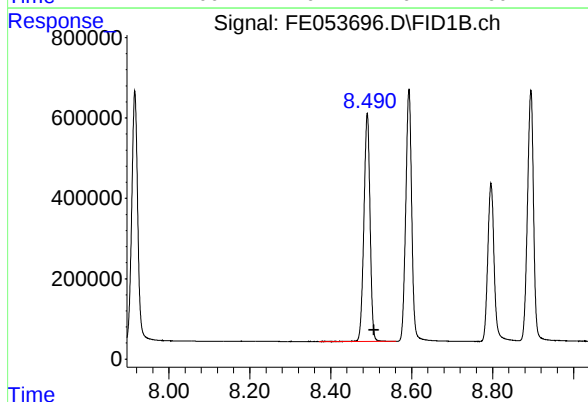
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.287 min
Delta R.T.: -0.019 min
Response: 5610415
Conc: 37.58 ug/ml

Instrument :
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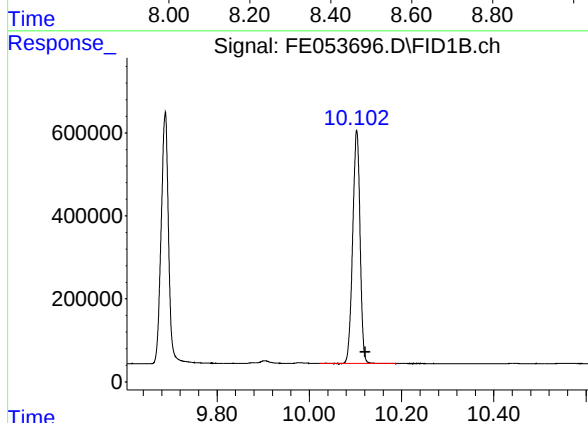
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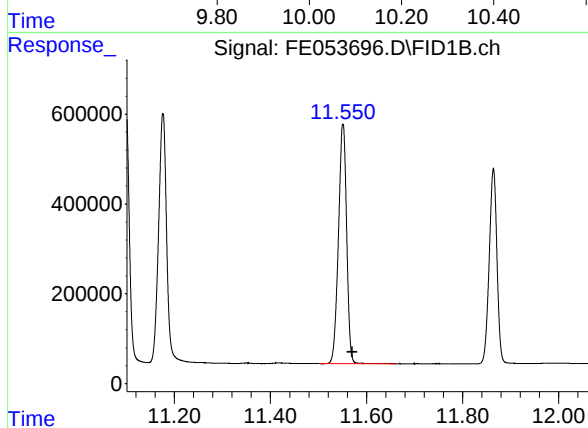
#6 n-Tetradecane (C14)

R.T.: 8.490 min
Delta R.T.: -0.017 min
Response: 5956746
Conc: 42.46 ug/ml



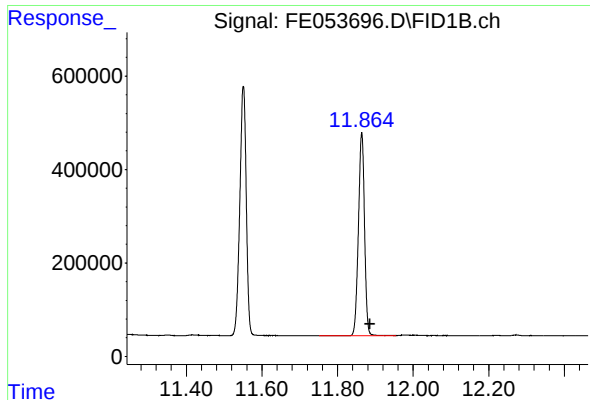
#7 n-Hexadecane (C16)

R.T.: 10.102 min
Delta R.T.: -0.019 min
Response: 6208433
Conc: 43.32 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.551 min
Delta R.T.: -0.020 min
Response: 6320343
Conc: 43.37 ug/ml



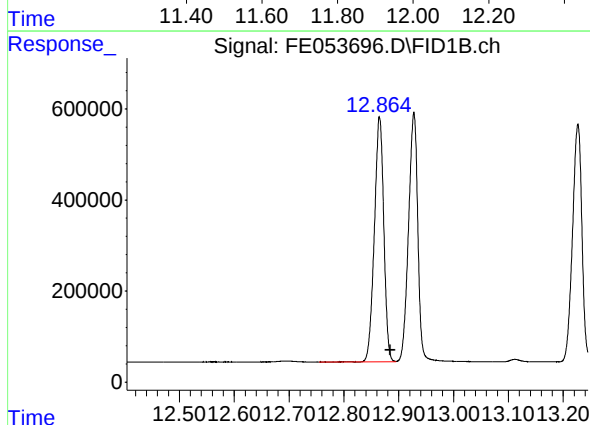
#9 ortho-Terphenyl (SURR)

R.T.: 11.864 min
Delta R.T.: -0.022 min
Response: 4848353
Conc: 26.88 ug/ml

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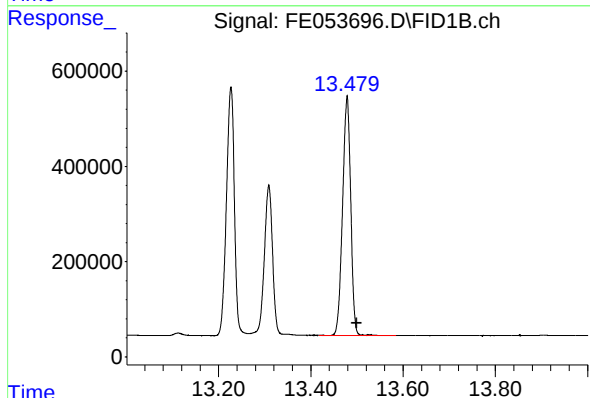
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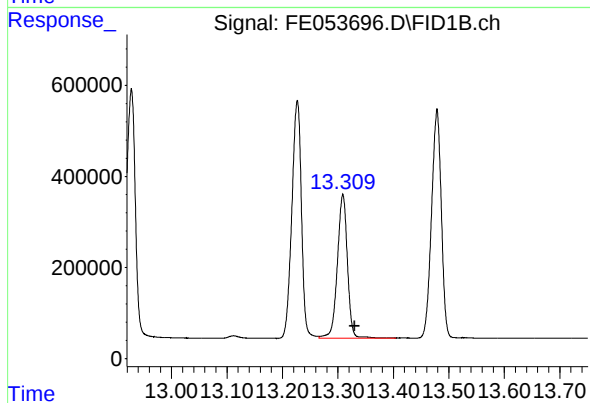
#10 n-Eicosane (C20)

R.T.: 12.865 min
Delta R.T.: -0.020 min
Response: 6456385
Conc: 44.37 ug/ml



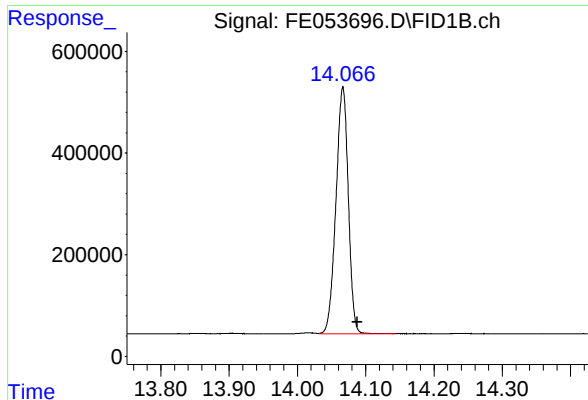
#11 n-Heneicosane (C21)

R.T.: 13.478 min
Delta R.T.: -0.021 min
Response: 6152302
Conc: 42.48 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.309 min
Delta R.T.: -0.022 min
Response: 3964288
Conc: 29.33 ug/ml



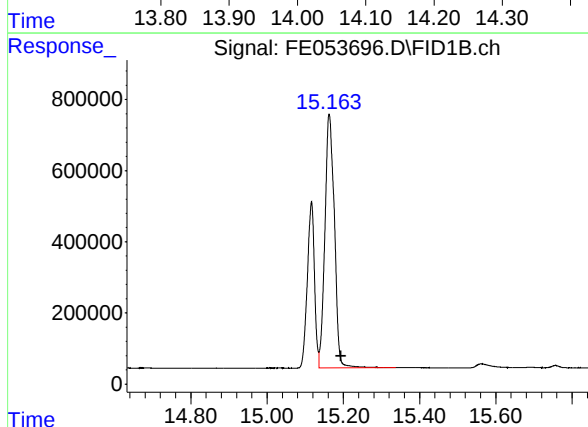
#13 n-Docosane (C22)

R.T.: 14.066 min
Delta R.T.: -0.021 min
Response: 6084721
Conc: 42.17 ug/ml

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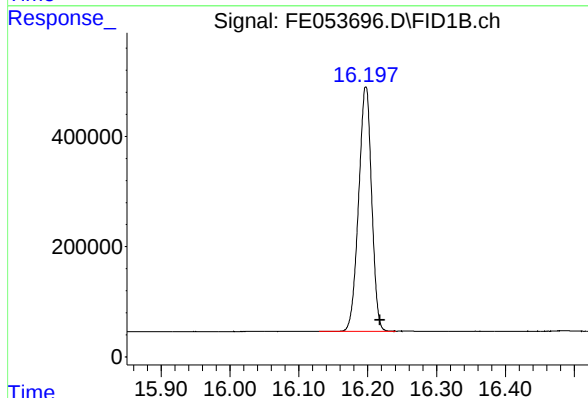
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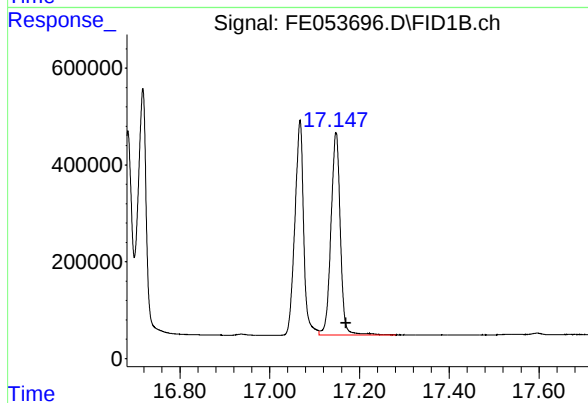
#14 n-Tetracosane (C24)

R.T.: 15.164 min
Delta R.T.: -0.030 min
Response: 12309685
Conc: 85.70 ug/ml



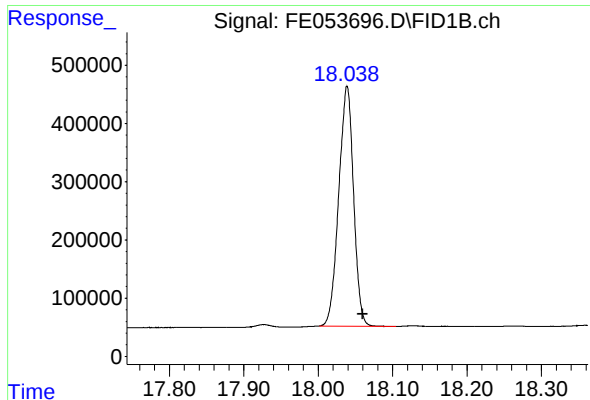
#15 n-Hexacosane (C26)

R.T.: 16.197 min
Delta R.T.: -0.020 min
Response: 5846083
Conc: 41.28 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.147 min
Delta R.T.: -0.023 min
Response: 6066118
Conc: 43.60 ug/ml



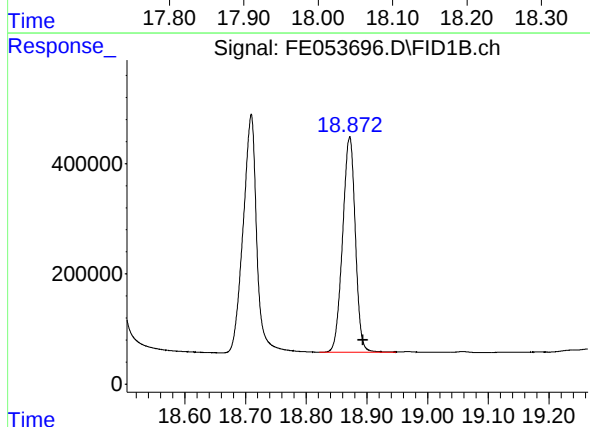
#17 n-Tricontane (C30)

R.T.: 18.038 min
Delta R.T.: -0.022 min
Response: 5708252
Conc: 41.01 ug/ml

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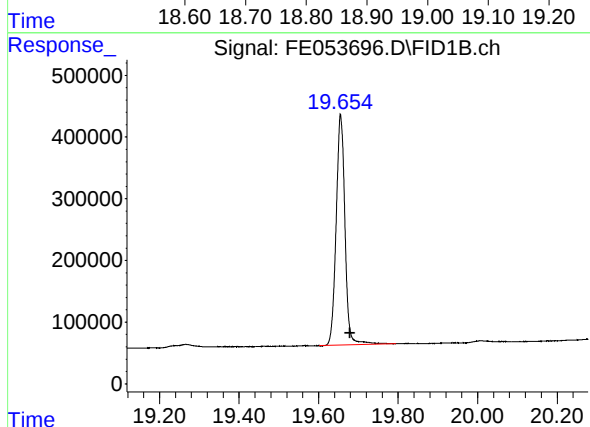
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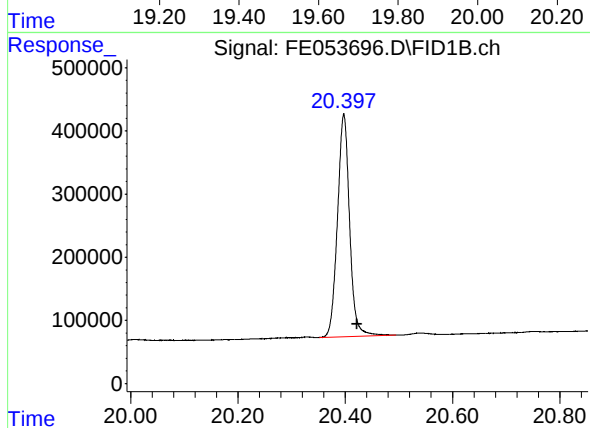
#18 n-Dotriacontane (C32)

R.T.: 18.871 min
Delta R.T.: -0.022 min
Response: 5677700
Conc: 41.35 ug/ml



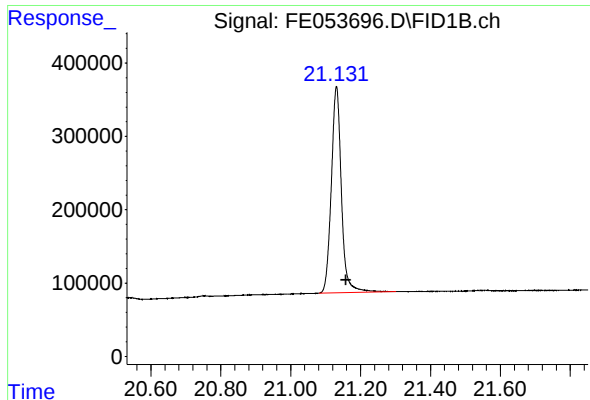
#19 n-Tetratriacontane (C34)

R.T.: 19.656 min
Delta R.T.: -0.024 min
Response: 5767661
Conc: 44.27 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.397 min
Delta R.T.: -0.025 min
Response: 5529791
Conc: 43.80 ug/ml



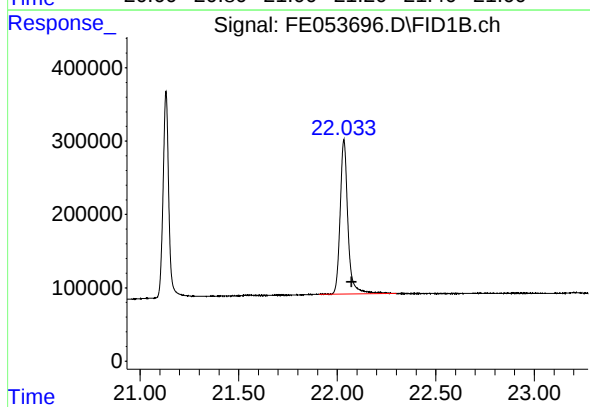
#21 n-Octatriacontane (C38)

R.T.: 21.131 min
Delta R.T.: -0.027 min
Response: 5617849
Conc: 46.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.034 min
Delta R.T.: -0.040 min
Response: 5775328
Conc: 48.36 ug/ml