

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050725AL\
 Data File : FE053697.D
 Signal(s) : FID1B.ch
 Acq On : 07 May 2025 18:55
 Operator : YP\AJ
 Sample : Q1964-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

MH-LLMSD

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 01:57:29 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)	11.863	5137698	28.486 ug/ml
Spiked Amount 50.000		Recovery =	56.97%
12) S 1-chlorooctadecane (S...	13.308	4197301	31.051 ug/ml
Spiked Amount 50.000		Recovery =	62.10%
Target Compounds			
1) T n-Nonane (C9)	3.211	4542604	33.133 ug/ml
2) T n-Decane (C10)	4.473	5096795	36.844 ug/mlm
3) T A~Naphthalene (C11.7)	6.184	6187912	40.994 ug/ml
4) T n-Dodecane (C12)	6.653	5722102	40.800 ug/ml
5) T A~2-methylnaphthalene...	7.286	5952345	39.867 ug/ml
6) T n-Tetradecane (C14)	8.490	6307746	44.962 ug/ml
7) T n-Hexadecane (C16)	10.102	6576453	45.886 ug/ml
8) T n-Octadecane (C18)	11.550	6695423	45.943 ug/ml
10) T n-Eicosane (C20)	12.864	6846846	47.053 ug/ml
11) T n-Heneicosane (C21)	13.477	6526233	45.057 ug/ml
13) T n-Docosane (C22)	14.065	6461886	44.780 ug/mlm
14) T n-Tetracosane (C24)	15.164	13055141	90.888 ug/ml
15) T n-Hexacosane (C26)	16.195	6205440	43.815 ug/mlm
16) T n-Octacosane (C28)	17.146	6418025	46.131 ug/ml
17) T n-Tricontane (C30)	18.037	6050550	43.468 ug/ml
18) T n-Dotriacontane (C32)	18.869	6028973	43.908 ug/ml
19) T n-Tetratriacontane (C34)	19.655	6125532	47.013 ug/ml
20) T n-Hexatriacontane (C36)	20.396	5970237	47.290 ug/ml
21) T n-Octatriacontane (C38)	21.129	5921395	48.603 ug/ml
22) T n-Tetracontane (C40)	22.032	6071262	50.839 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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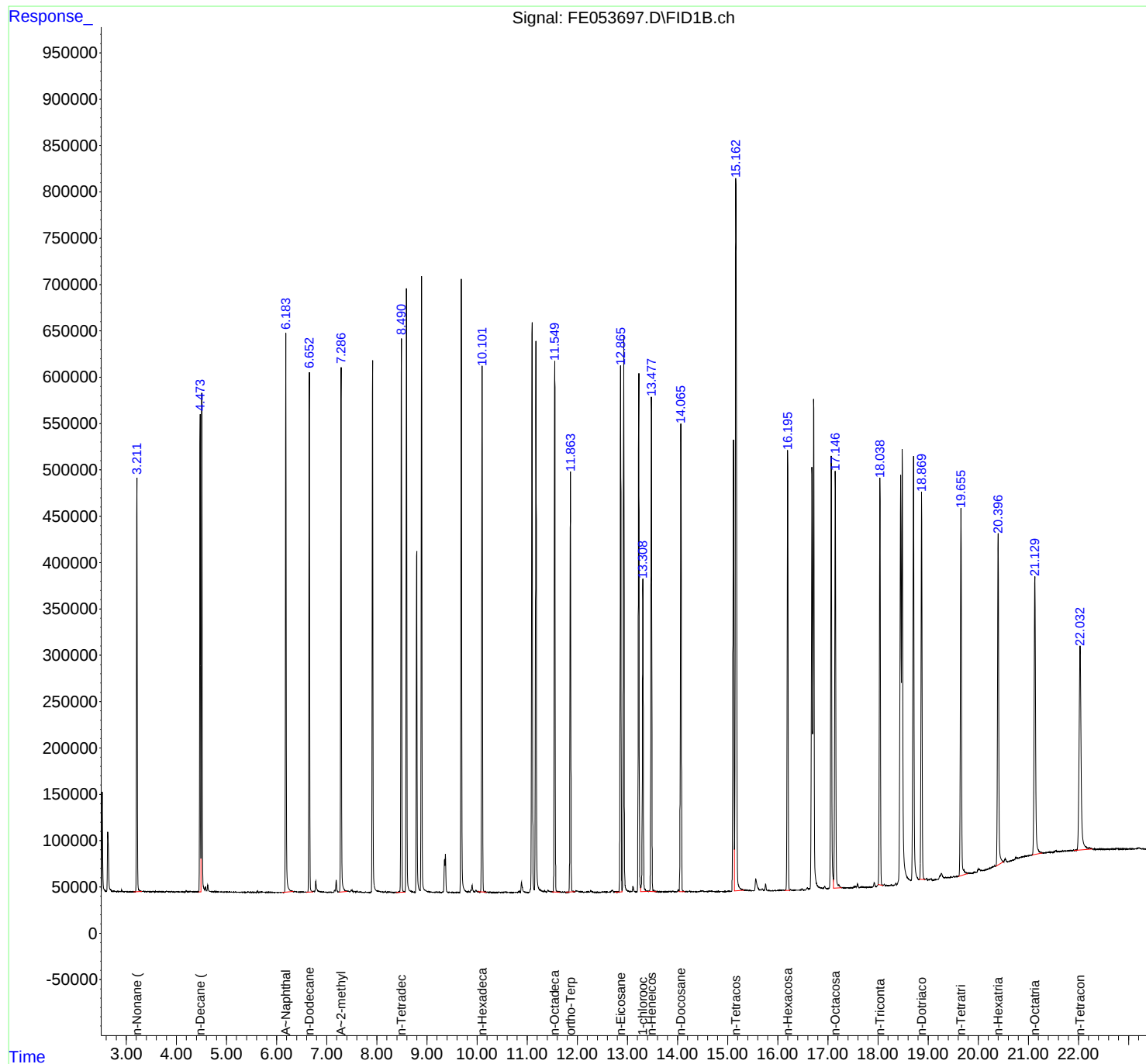
Instrument :
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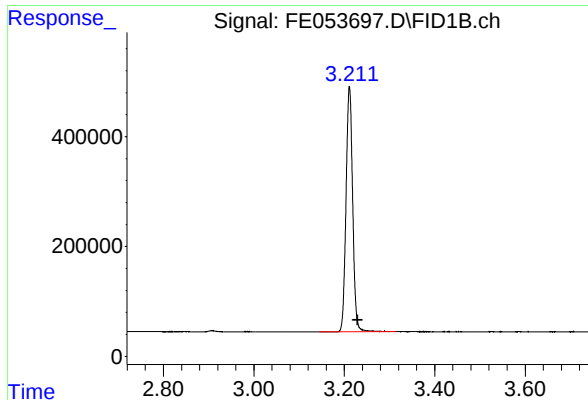
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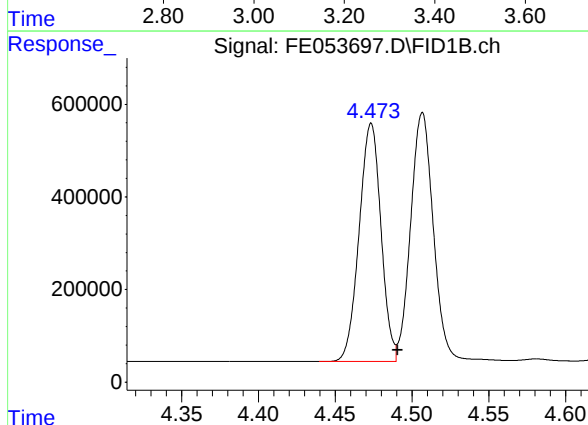
#1 n-Nonane (C9)

R.T.: 3.211 min
Delta R.T.: -0.019 min
Response: 4542604
Conc: 33.13 ug/ml

Instrument :
FID_E
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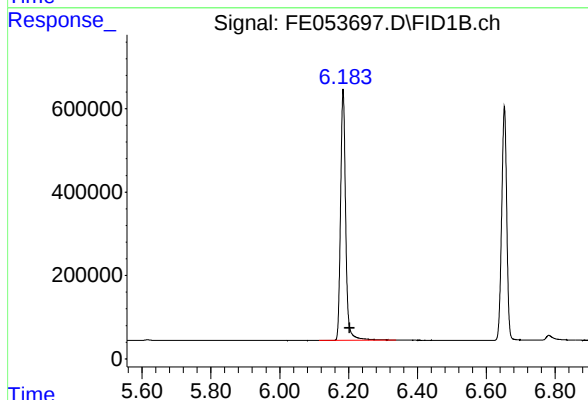
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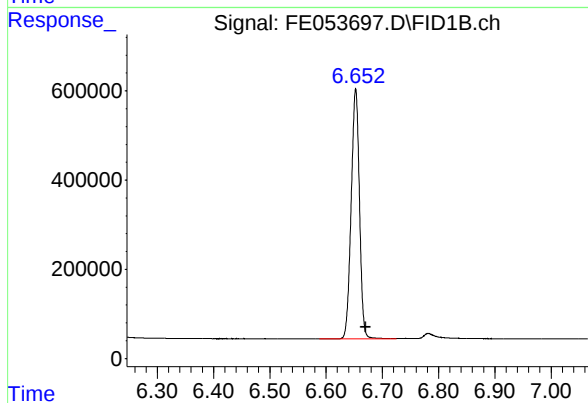
#2 n-Decane (C10)

R.T.: 4.473 min
Delta R.T.: -0.018 min
Response: 5096795
Conc: 36.84 ug/ml



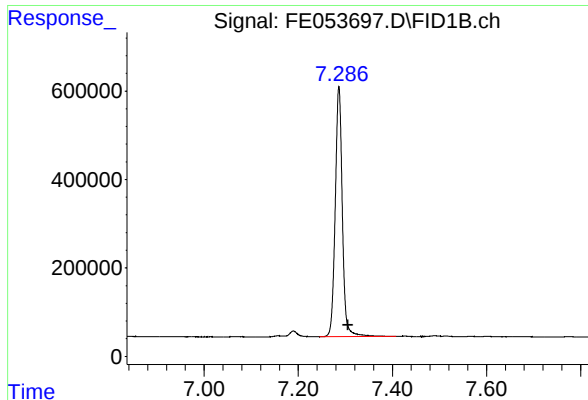
#3 A~Naphthalene (C11.7)

R.T.: 6.184 min
Delta R.T.: -0.019 min
Response: 6187912
Conc: 40.99 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.653 min
Delta R.T.: -0.018 min
Response: 5722102
Conc: 40.80 ug/ml



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

R.T.: 7.286 min
Delta R.T.: -0.019 min
Response: 5952345
Conc: 39.87 ug/ml

Instrument :

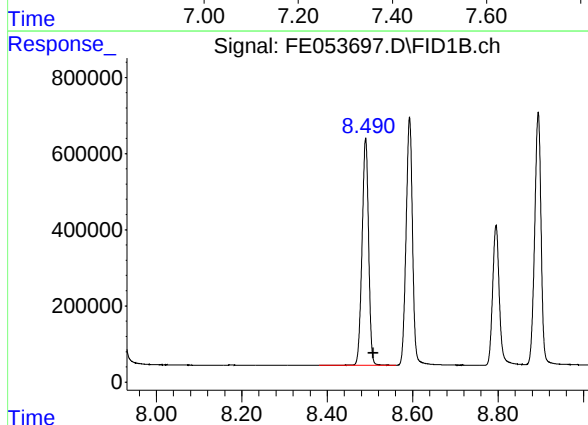
FID_E

ClientSampleId :

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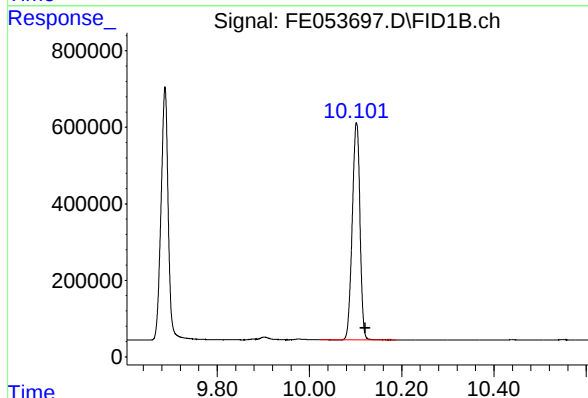
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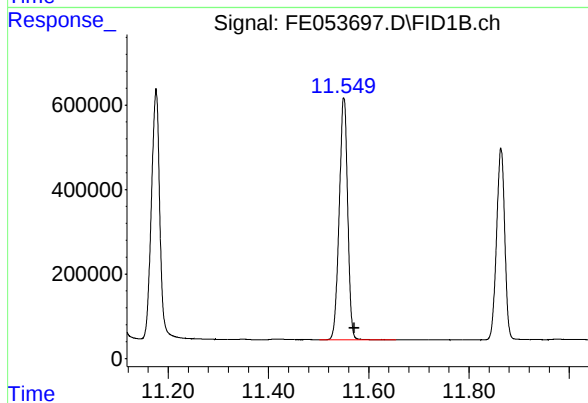
#6 n-Tetradecane (C14)

R.T.: 8.490 min
Delta R.T.: -0.018 min
Response: 6307746
Conc: 44.96 ug/ml



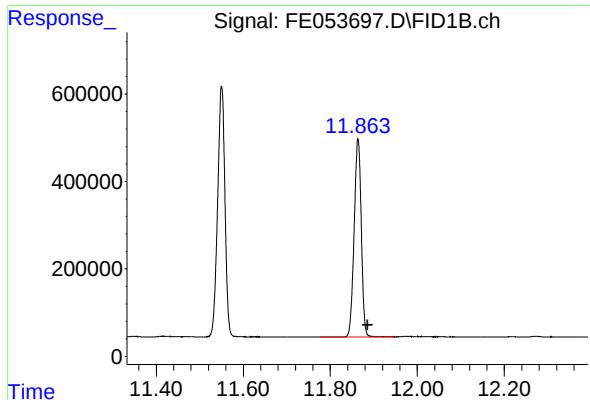
#7 n-Hexadecane (C16)

R.T.: 10.102 min
Delta R.T.: -0.019 min
Response: 6576453
Conc: 45.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.550 min
Delta R.T.: -0.021 min
Response: 6695423
Conc: 45.94 ug/ml



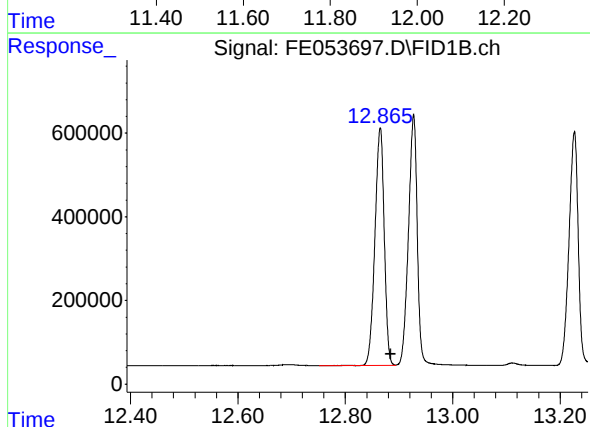
#9 ortho-Terphenyl (SURR)

R.T.: 11.863 min
Delta R.T.: -0.022 min
Response: 5137698
Conc: 28.49 ug/ml

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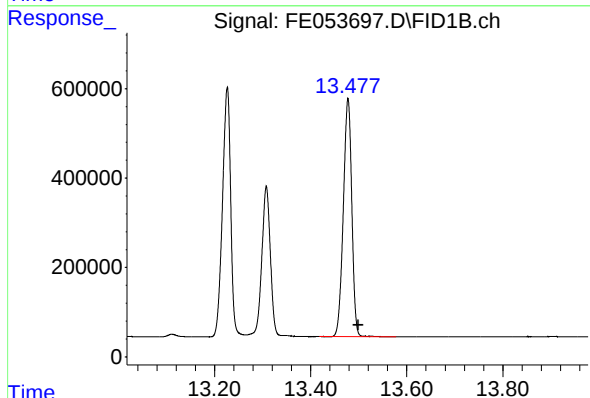
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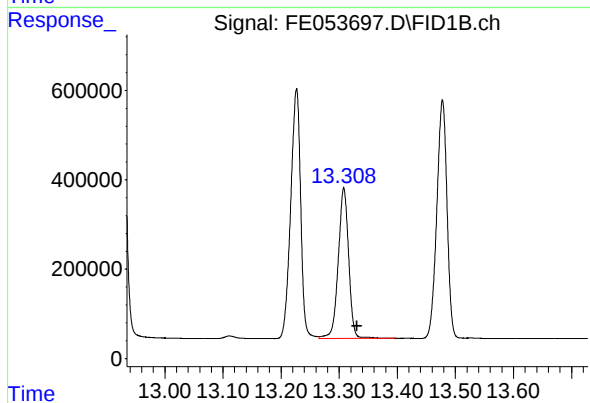
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: -0.020 min
Response: 6846846
Conc: 47.05 ug/ml



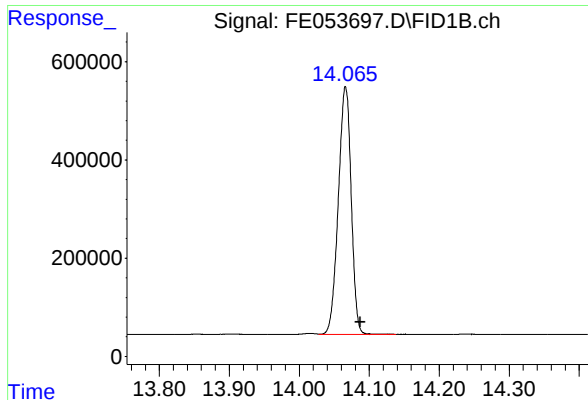
#11 n-Heneicosane (C21)

R.T.: 13.477 min
Delta R.T.: -0.022 min
Response: 6526233
Conc: 45.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.308 min
Delta R.T.: -0.022 min
Response: 4197301
Conc: 31.05 ug/ml



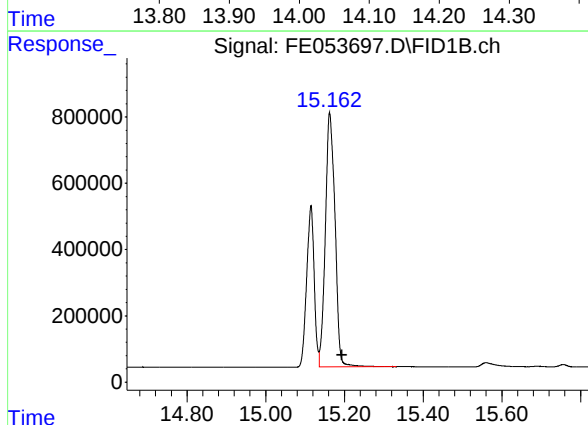
#13 n-Docosane (C22)

R.T.: 14.065 min
Delta R.T.: -0.022 min
Response: 6461886
Conc: 44.78 ug/ml

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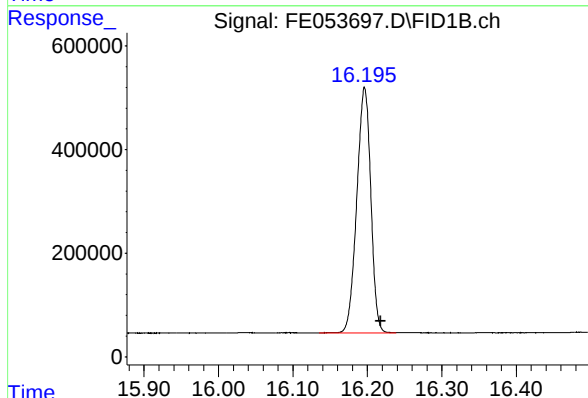
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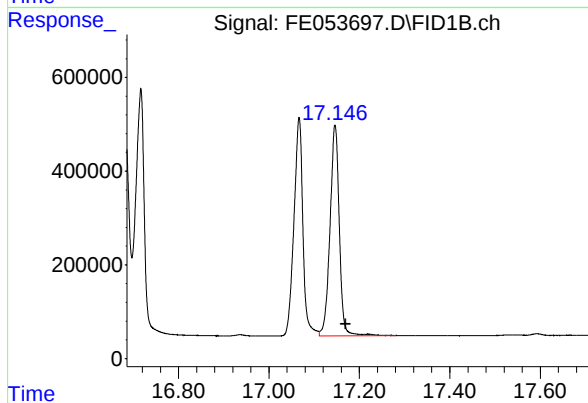
#14 n-Tetracosane (C24)

R.T.: 15.164 min
Delta R.T.: -0.030 min
Response: 13055141
Conc: 90.89 ug/ml



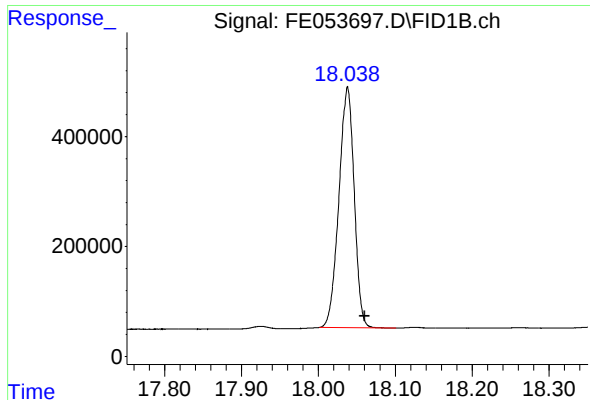
#15 n-Hexacosane (C26)

R.T.: 16.195 min
Delta R.T.: -0.022 min
Response: 6205440
Conc: 43.81 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.146 min
Delta R.T.: -0.024 min
Response: 6418025
Conc: 46.13 ug/ml



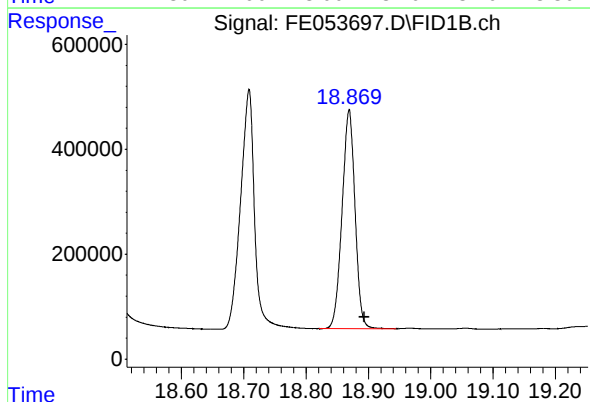
#17 n-Tricontane (C30)

R.T.: 18.037 min
Delta R.T.: -0.023 min
Response: 6050550
Conc: 43.47 ug/ml

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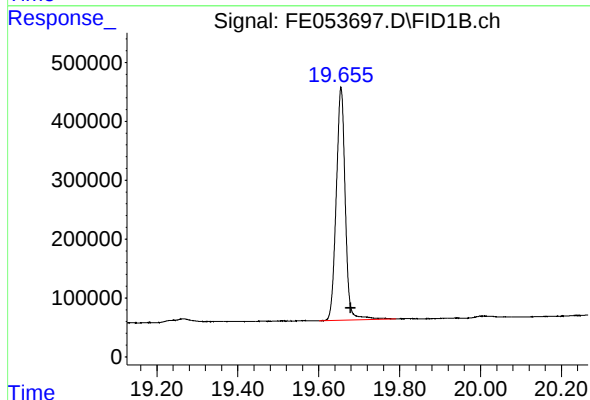
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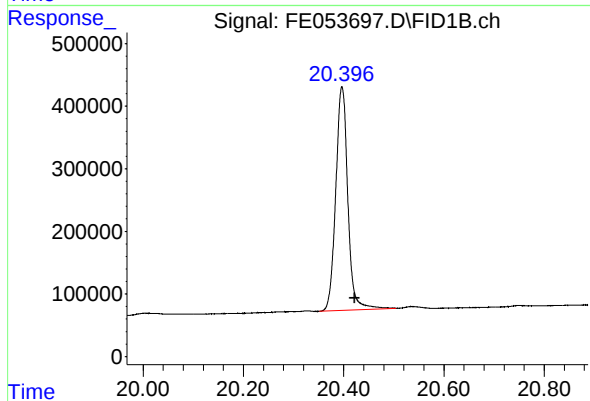
#18 n-Dotriacontane (C32)

R.T.: 18.869 min
Delta R.T.: -0.025 min
Response: 6028973
Conc: 43.91 ug/ml



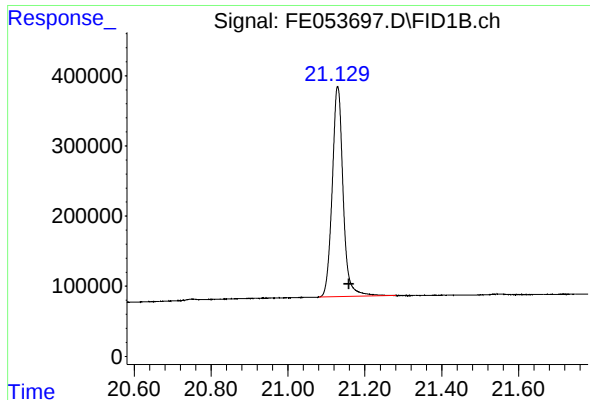
#19 n-Tetratriacontane (C34)

R.T.: 19.655 min
Delta R.T.: -0.025 min
Response: 6125532
Conc: 47.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.396 min
Delta R.T.: -0.025 min
Response: 5970237
Conc: 47.29 ug/ml



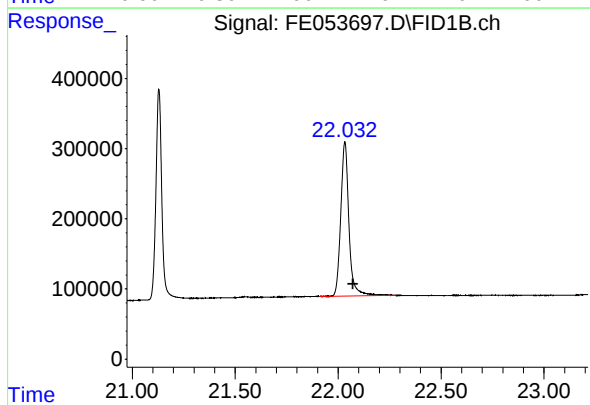
#21 n-Octatriacontane (C38)

R.T.: 21.129 min
Delta R.T.: -0.029 min
Response: 5921395
Conc: 48.60 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.032 min
Delta R.T.: -0.041 min
Response: 6071262
Conc: 50.84 ug/ml