

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041625AL\
 Data File : FE053384.D
 Signal(s) : FID1B.ch
 Acq On : 16 Apr 2025 11:39
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/17/2025
 Supervised By :mohammad ahmed 04/18/2025

Integration File: autoint1.e
 Quant Time: Apr 17 03:06:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:44:53 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)	11.893	3265502	20.048 ug/ml
Spiked Amount 50.000		Recovery =	40.10%
12) S 1-chlorooctadecane (S...	13.340	2420841	20.166 ug/ml
Spiked Amount 50.000		Recovery =	40.33%
Target Compounds			
1) T n-Nonane (C9)	3.233	3260016	21.054 ug/ml
2) T n-Decane (C10)	4.494	3323595	21.189 ug/ml
3) T A~Naphthalene (C11.7)	6.209	3448394	20.527 ug/ml
4) T n-Dodecane (C12)	6.675	3301395	21.109 ug/ml
5) T A~2-methylnaphthalene...	7.312	3248052	20.356 ug/ml
6) T n-Tetradecane (C14)	8.513	3208442	20.954 ug/ml
7) T n-Hexadecane (C16)	10.128	3196887	20.739 ug/ml
8) T n-Octadecane (C18)	11.578	3099169	20.434 ug/ml
10) T n-Eicosane (C20)	12.893	2886733	20.247 ug/ml
11) T n-Heneicosane (C21)	13.507	2806861	20.227 ug/ml
13) T n-Docosane (C22)	14.096	2782441	20.316 ug/ml
14) T n-Tetracosane (C24)	15.203	2782401	20.601 ug/ml
15) T n-Hexacosane (C26)	16.226	2781510	20.850 ug/ml
16) T n-Octacosane (C28)	17.179	2813910	21.323 ug/ml
17) T n-Tricontane (C30)	18.070	2954238	21.796 ug/ml
18) T n-Dotriacontane (C32)	18.904	2976540	22.120 ug/ml
19) T n-Tetratriacontane (C34)	19.690	2764811	21.367 ug/ml
20) T n-Hexatriacontane (C36)	20.431	2306695	19.418 ug/ml
21) T n-Octatriacontane (C38)	21.172	1968104	17.123 ug/ml
22) T n-Tetracontane (C40)	22.088	1802826	16.052 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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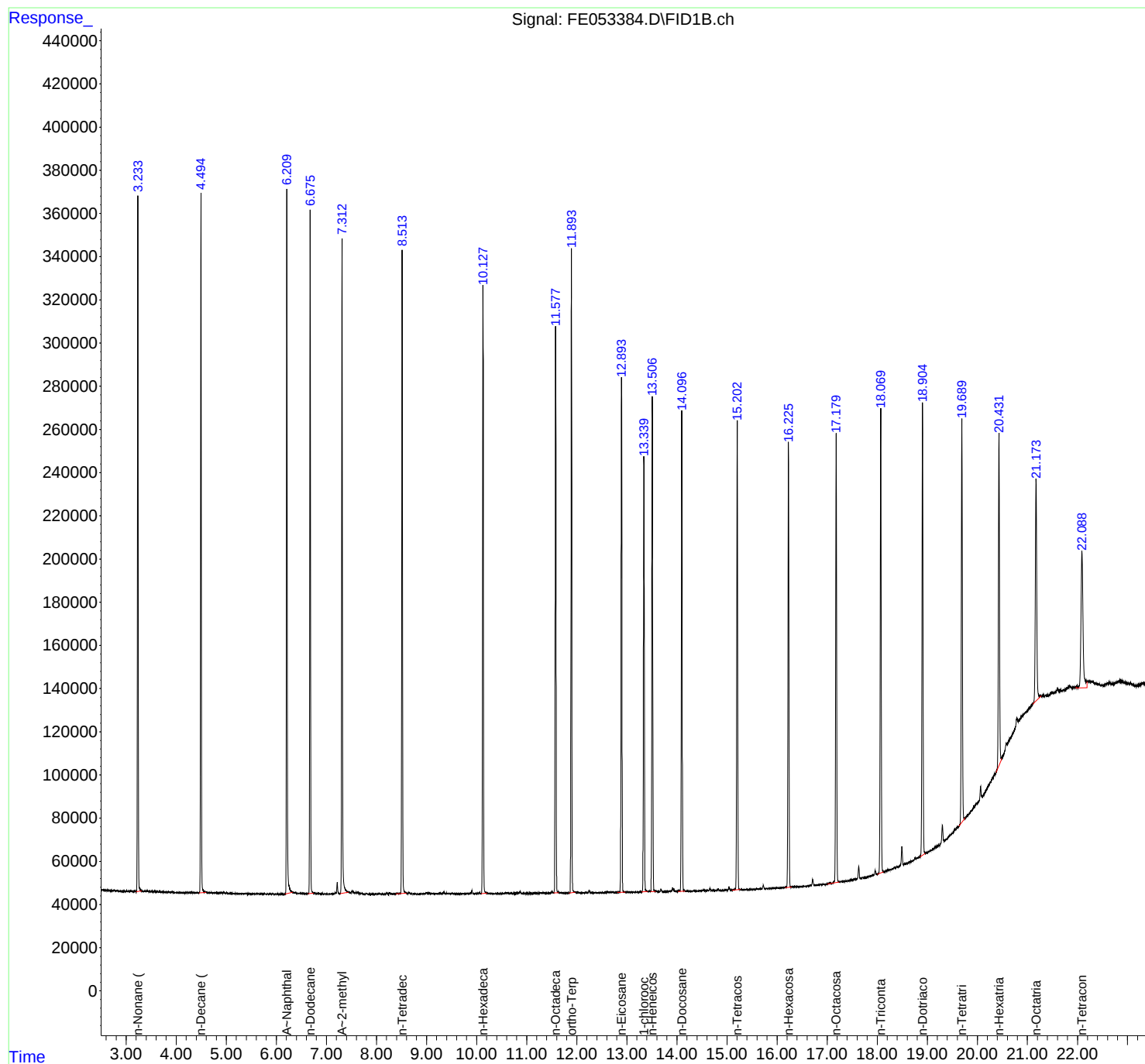
Instrument :
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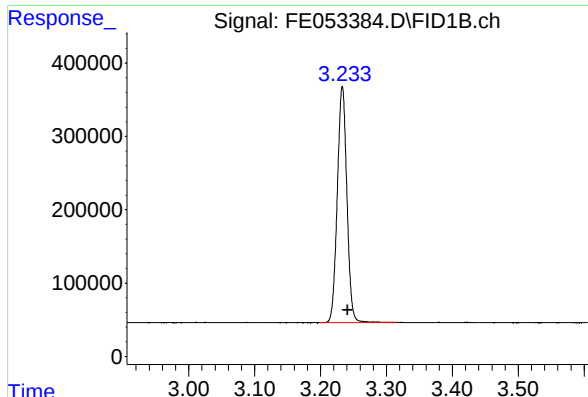
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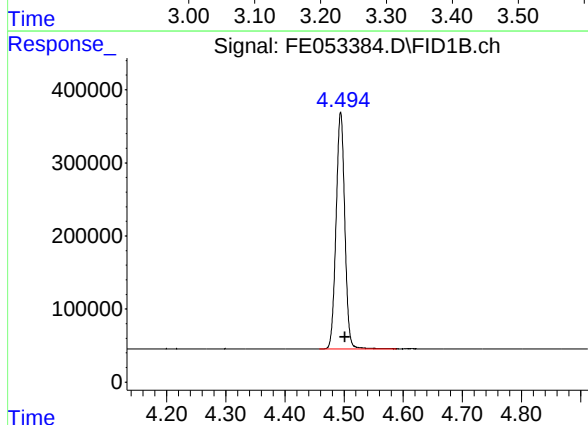
#1 n-Nonane (C9)

R.T.: 3.233 min
Delta R.T.: -0.008 min
Response: 3260016
Conc: 21.05 ug/ml

Instrument :
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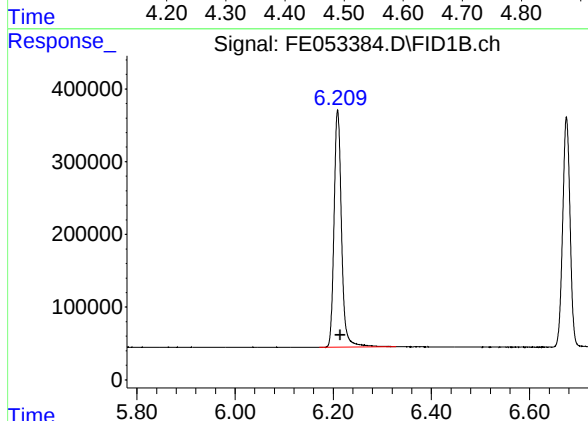
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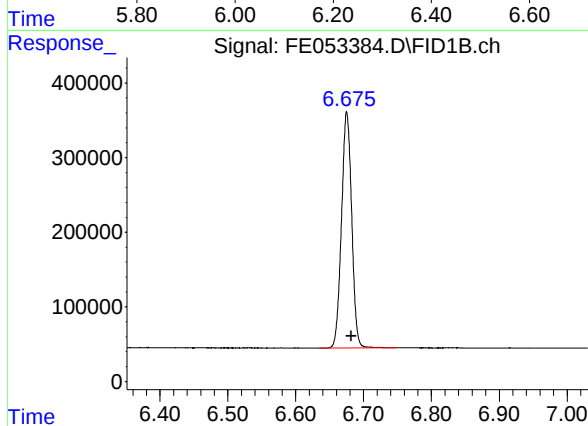
#2 n-Decane (C10)

R.T.: 4.494 min
Delta R.T.: -0.008 min
Response: 3323595
Conc: 21.19 ug/ml



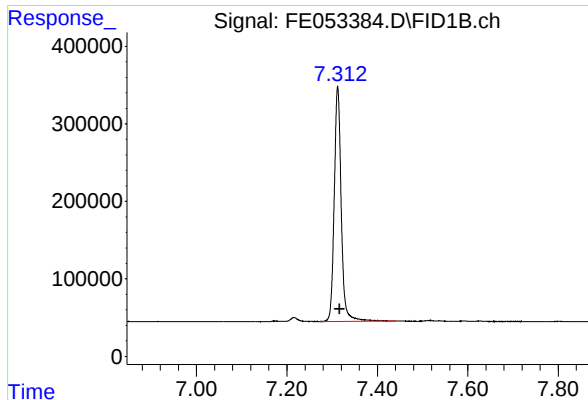
#3 A~Naphthalene (C11.7)

R.T.: 6.209 min
Delta R.T.: -0.005 min
Response: 3448394
Conc: 20.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.675 min
Delta R.T.: -0.007 min
Response: 3301395
Conc: 21.11 ug/ml



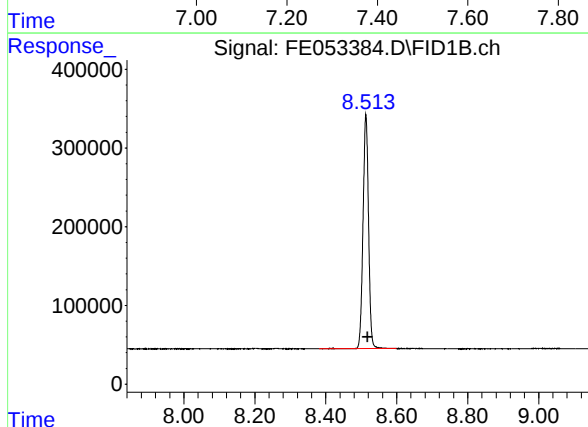
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.004 min
Response: 3248052
Conc: 20.36 ug/ml

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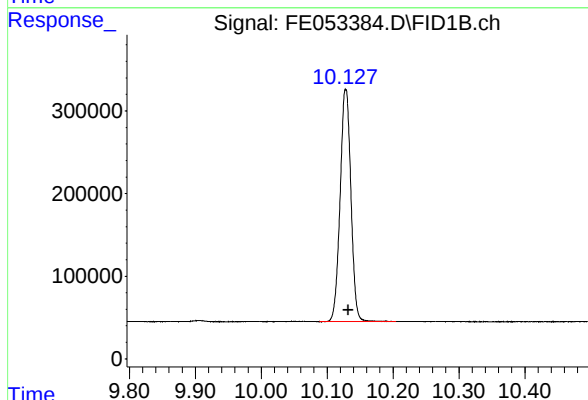
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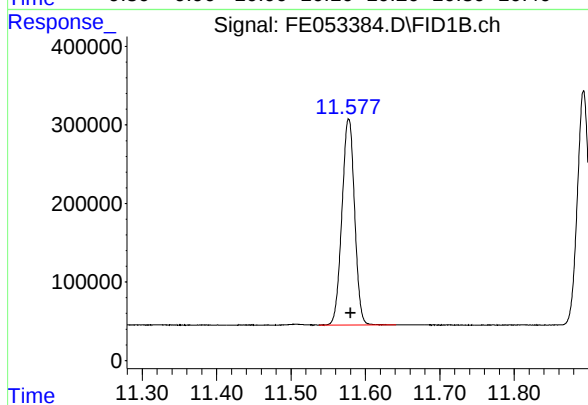
#6 n-Tetradecane (C14)

R.T.: 8.513 min
Delta R.T.: -0.005 min
Response: 3208442
Conc: 20.95 ug/ml



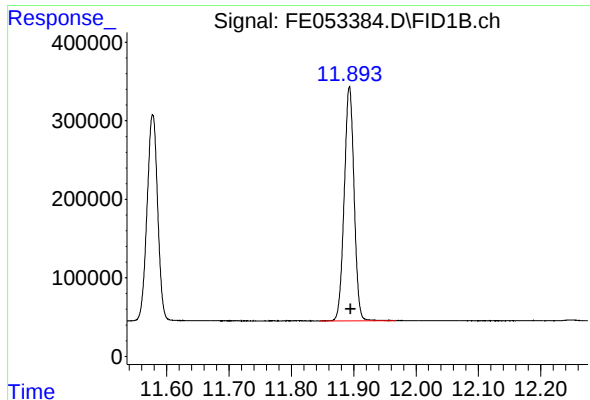
#7 n-Hexadecane (C16)

R.T.: 10.128 min
Delta R.T.: -0.004 min
Response: 3196887
Conc: 20.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.578 min
Delta R.T.: -0.003 min
Response: 3099169
Conc: 20.43 ug/ml



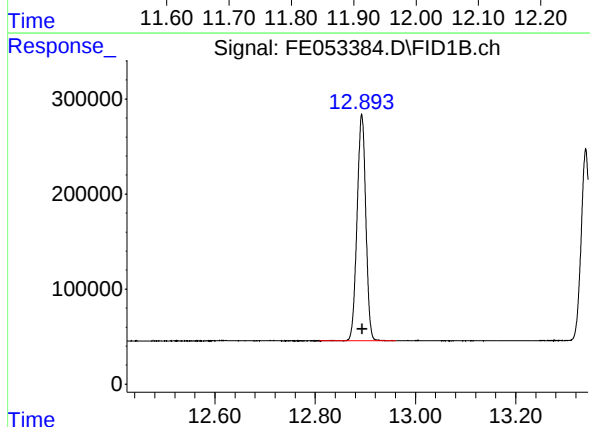
#9 ortho-Terphenyl (SURR)

R.T.: 11.893 min
Delta R.T.: -0.002 min
Response: 3265502
Conc: 20.05 ug/ml

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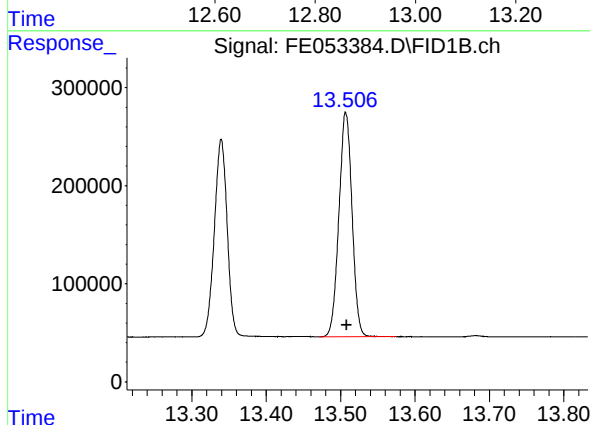
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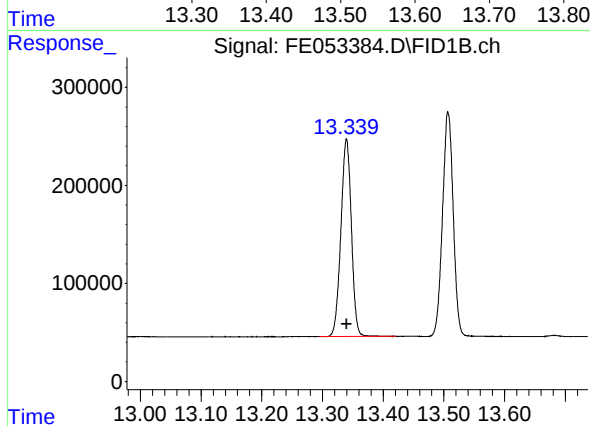
#10 n-Eicosane (C20)

R.T.: 12.893 min
Delta R.T.: -0.001 min
Response: 2886733
Conc: 20.25 ug/ml



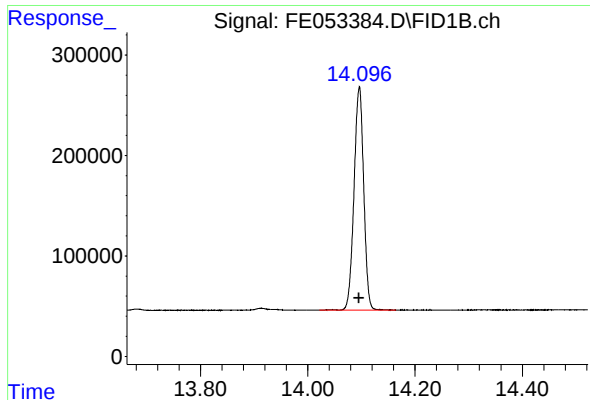
#11 n-Heneicosane (C21)

R.T.: 13.507 min
Delta R.T.: 0.000 min
Response: 2806861
Conc: 20.23 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.340 min
Delta R.T.: 0.000 min
Response: 2420841
Conc: 20.17 ug/ml



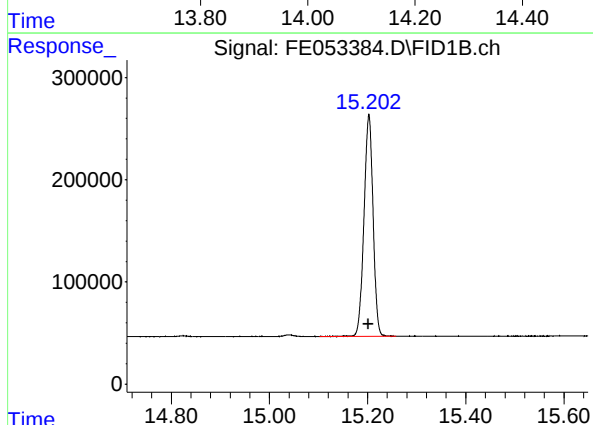
#13 n-Docosane (C22)

R.T.: 14.096 min
Delta R.T.: 0.000 min
Response: 2782441
Conc: 20.32 ug/ml

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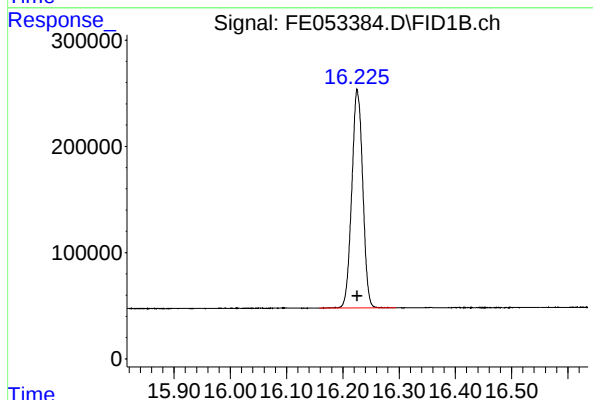
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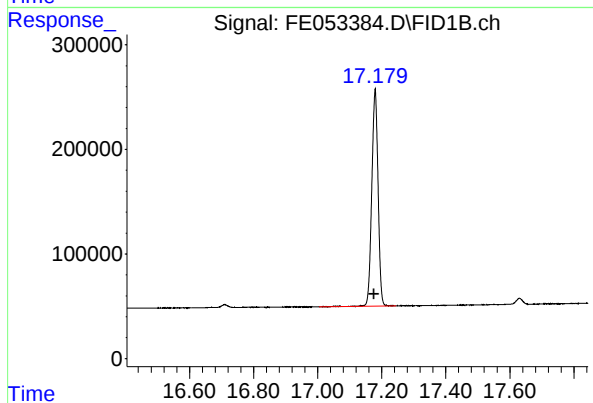
#14 n-Tetracosane (C24)

R.T.: 15.203 min
Delta R.T.: 0.001 min
Response: 2782401
Conc: 20.60 ug/ml



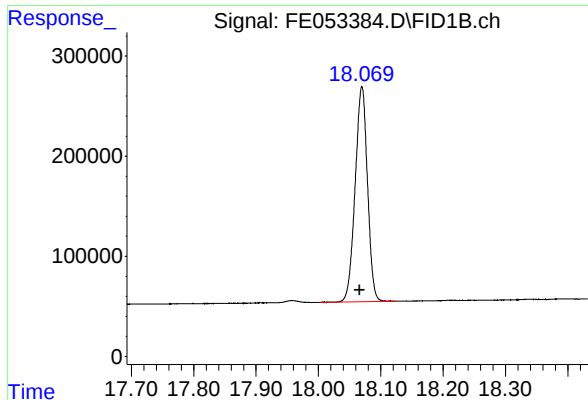
#15 n-Hexacosane (C26)

R.T.: 16.226 min
Delta R.T.: 0.000 min
Response: 2781510
Conc: 20.85 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.179 min
Delta R.T.: 0.003 min
Response: 2813910
Conc: 21.32 ug/ml



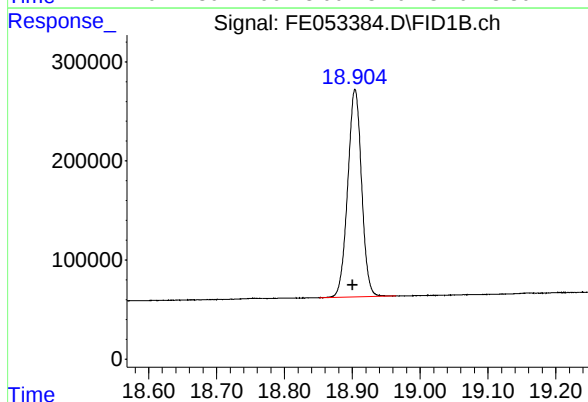
#17 n-Tricontane (C30)

R.T.: 18.070 min
Delta R.T.: 0.003 min
Response: 2954238
Conc: 21.80 ug/ml

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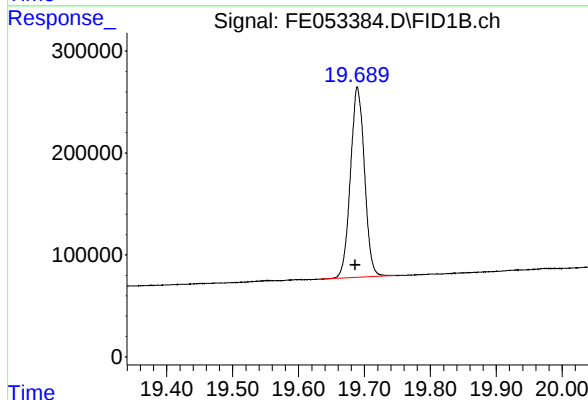
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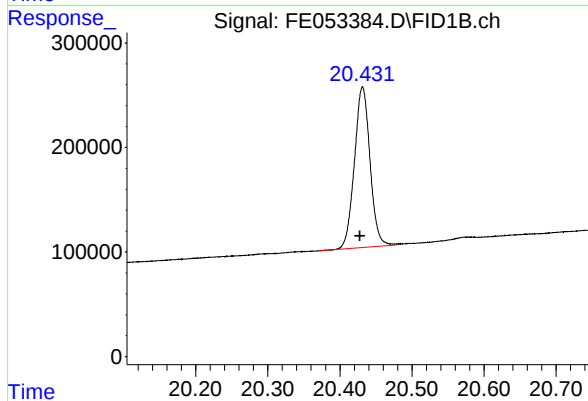
#18 n-Dotriacontane (C32)

R.T.: 18.904 min
Delta R.T.: 0.004 min
Response: 2976540
Conc: 22.12 ug/ml



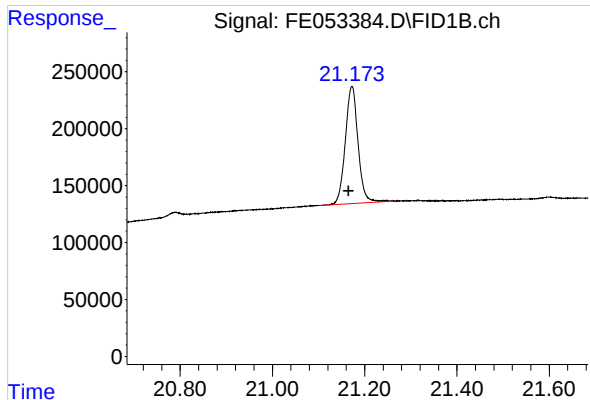
#19 n-Tetratriacontane (C34)

R.T.: 19.690 min
Delta R.T.: 0.004 min
Response: 2764811
Conc: 21.37 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.431 min
Delta R.T.: 0.004 min
Response: 2306695
Conc: 19.42 ug/ml



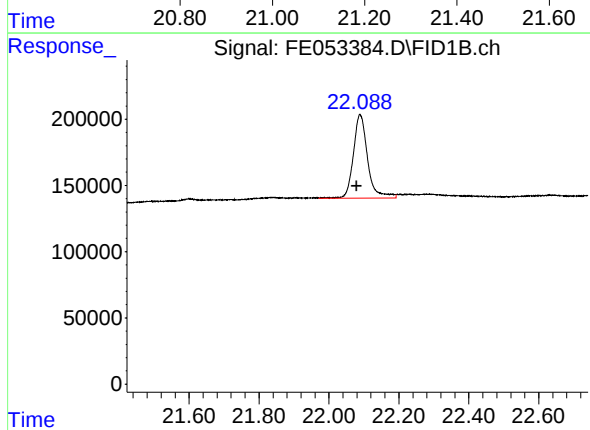
#21 n-Octatriacontane (C38)

R.T.: 21.172 min
Delta R.T.: 0.007 min
Response: 1968104
Conc: 17.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.088 min
Delta R.T.: 0.010 min
Response: 1802826
Conc: 16.05 ug/ml m