

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051425AL\
 Data File : FE053833.D
 Signal(s) : FID1B.ch
 Acq On : 15 May 2025 00:05
 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

Integration File: autoint1.e
 Quant Time: May 15 01:38:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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

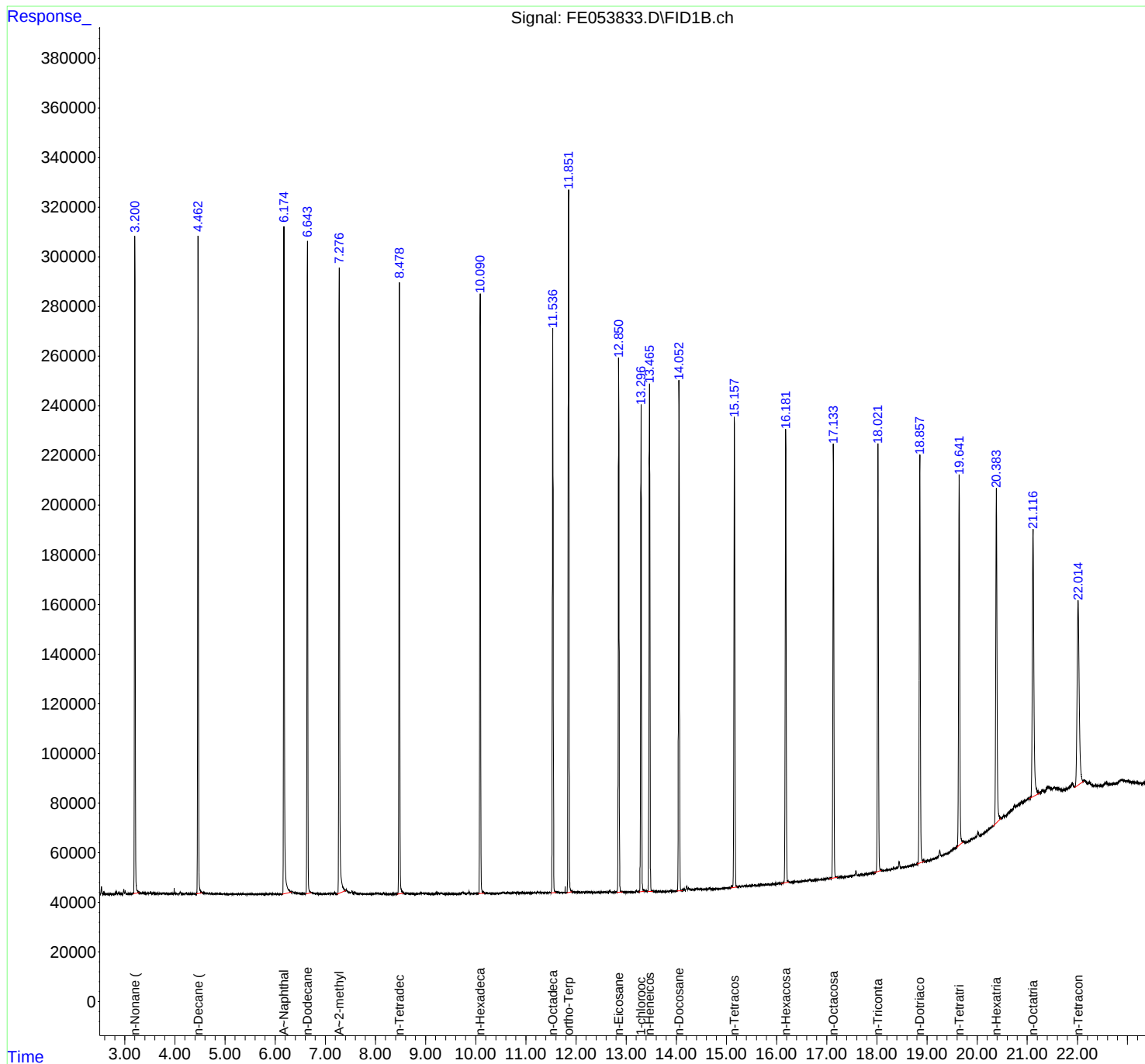
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.852	3219021	19.808 ug/ml
Spiked Amount 50.000		Recovery =	39.62%
12) S 1-chlorooctadecane (S...	13.297	2369741	19.989 ug/ml
Spiked Amount 50.000		Recovery =	39.98%
Target Compounds			
1) T n-Nonane (C9)	3.201	2709389	20.047 ug/ml
2) T n-Decane (C10)	4.462	2717463	20.110 ug/ml
3) T A~Naphthalene (C11.7)	6.175	2939731	20.455 ug/ml
4) T n-Dodecane (C12)	6.643	2743935	20.116 ug/ml
5) T A~2-methylnaphthalene...	7.277	2853130	20.569 ug/ml
6) T n-Tetradecane (C14)	8.478	2715448	20.122 ug/ml
7) T n-Hexadecane (C16)	10.090	2711084	20.092 ug/ml
8) T n-Octadecane (C18)	11.537	2678976	19.894 ug/ml
10) T n-Eicosane (C20)	12.851	2604678	19.818 ug/ml
11) T n-Heneicosane (C21)	13.465	2569463	19.819 ug/ml
13) T n-Docosane (C22)	14.052	2533628	19.860 ug/ml
14) T n-Tetracosane (C24)	15.158	2488394	19.889 ug/ml
15) T n-Hexacosane (C26)	16.181	2417952	19.746 ug/ml
16) T n-Octacosane (C28)	17.133	2372759	19.519 ug/ml
17) T n-Tricontane (C30)	18.022	2386403	19.158 ug/ml
18) T n-Dotriacontane (C32)	18.856	2399533	19.188 ug/ml
19) T n-Tetratriacontane (C34)	19.641	2321168	19.486 ug/ml
20) T n-Hexatriacontane (C36)	20.383	2340127	20.211 ug/ml
21) T n-Octatriacontane (C38)	21.115	2316342	21.285 ug/ml
22) T n-Tetracontane (C40)	22.014	2136476	21.530 ug/ml

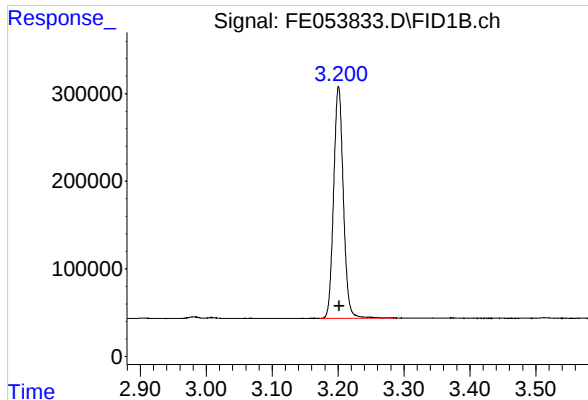
(f)=RT Delta > 1/2 Window

(m)=manual int.

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20 PPM ALIPHATIC HC STD

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

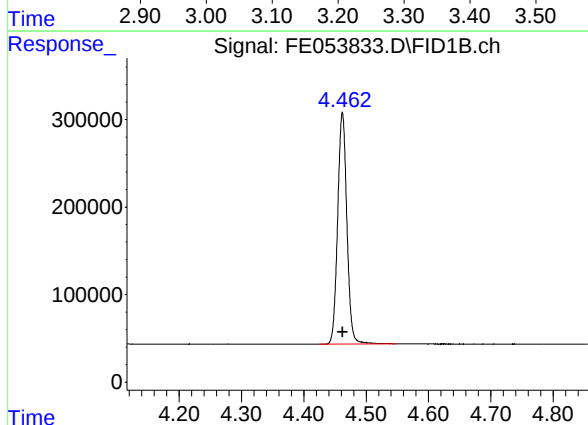




#1 n-Nonane (C9)

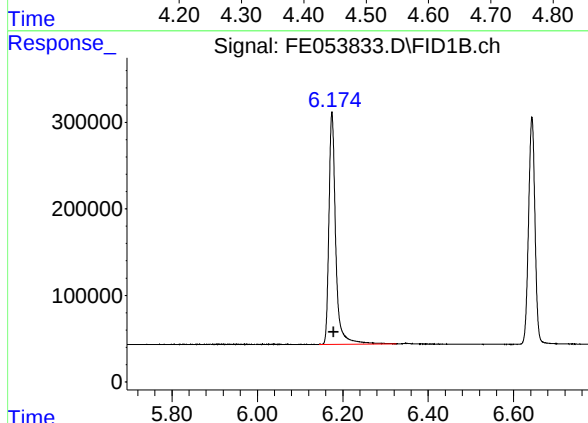
R.T.: 3.201 min
Delta R.T.: -0.001 min
Response: 2709389
Conc: 20.05 ug/ml

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20 PPM ALIPHATIC HC STD



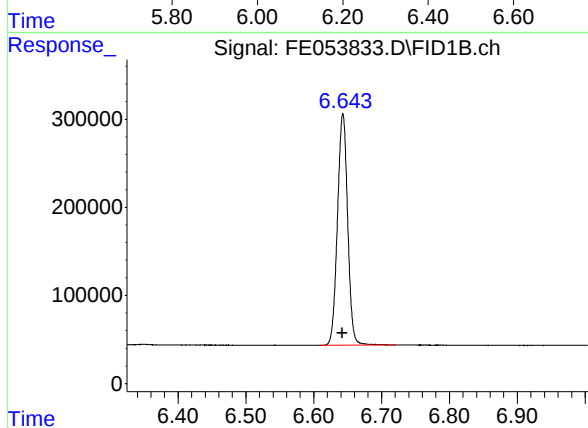
#2 n-Decane (C10)

R.T.: 4.462 min
Delta R.T.: 0.000 min
Response: 2717463
Conc: 20.11 ug/ml



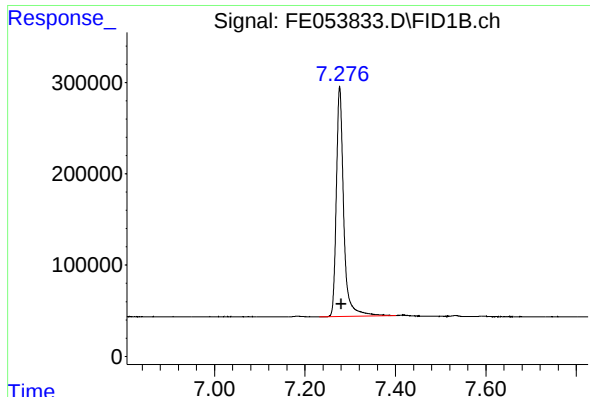
#3 A~Naphthalene (C11.7)

R.T.: 6.175 min
Delta R.T.: -0.003 min
Response: 2939731
Conc: 20.46 ug/ml



#4 n-Dodecane (C12)

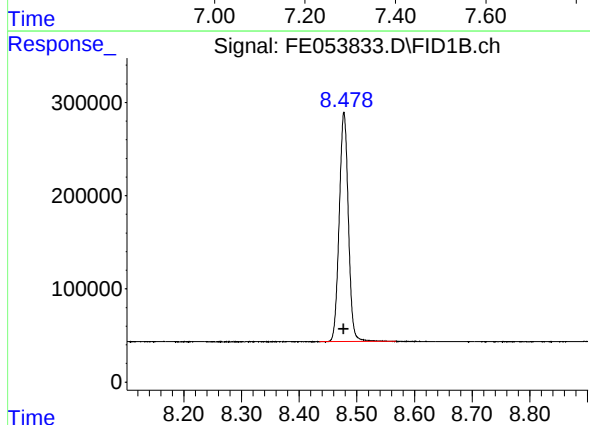
R.T.: 6.643 min
Delta R.T.: 0.000 min
Response: 2743935
Conc: 20.12 ug/ml



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

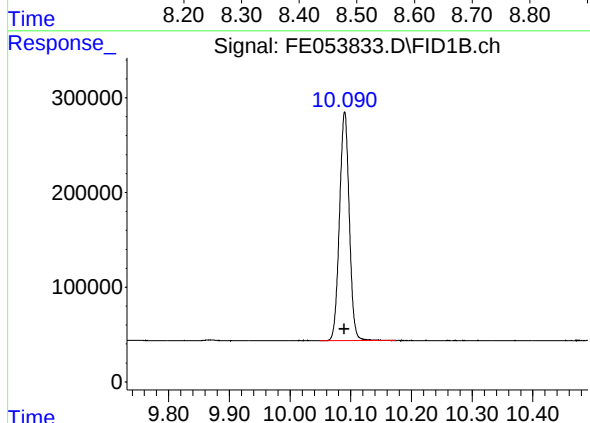
R.T.: 7.277 min
Delta R.T.: -0.003 min
Response: 2853130
Conc: 20.57 ug/ml

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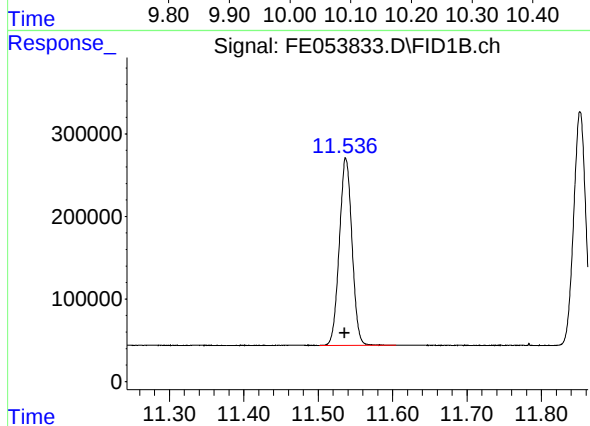
#6 n-Tetradecane (C14)

R.T.: 8.478 min
Delta R.T.: 0.000 min
Response: 2715448
Conc: 20.12 ug/ml



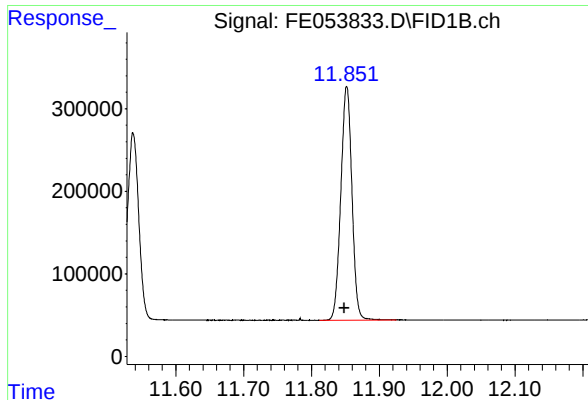
#7 n-Hexadecane (C16)

R.T.: 10.090 min
Delta R.T.: 0.000 min
Response: 2711084
Conc: 20.09 ug/ml



#8 n-Octadecane (C18)

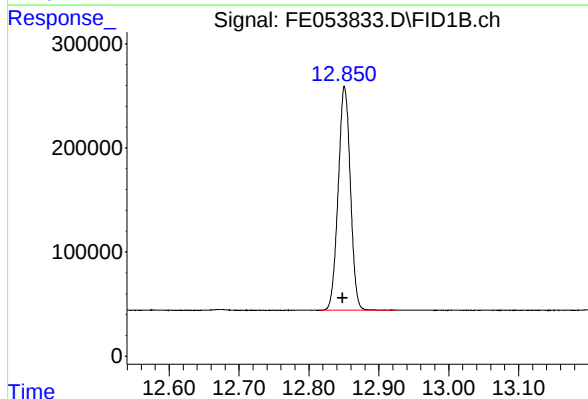
R.T.: 11.537 min
Delta R.T.: 0.002 min
Response: 2678976
Conc: 19.89 ug/ml



#9 ortho-Terphenyl (SURR)

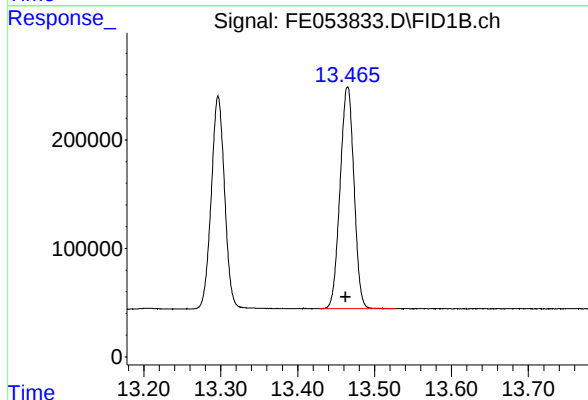
R.T.: 11.852 min
Delta R.T.: 0.003 min
Response: 3219021
Conc: 19.81 ug/ml

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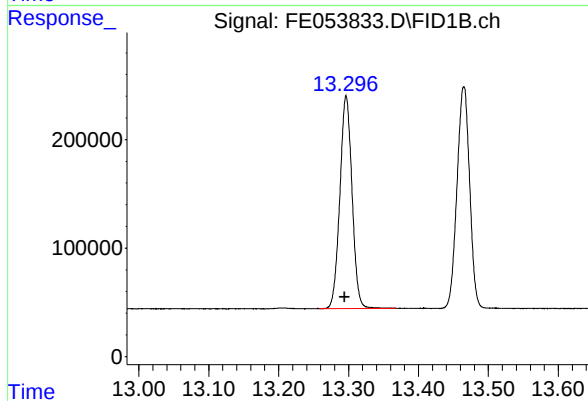
#10 n-Eicosane (C20)

R.T.: 12.851 min
Delta R.T.: 0.002 min
Response: 2604678
Conc: 19.82 ug/ml



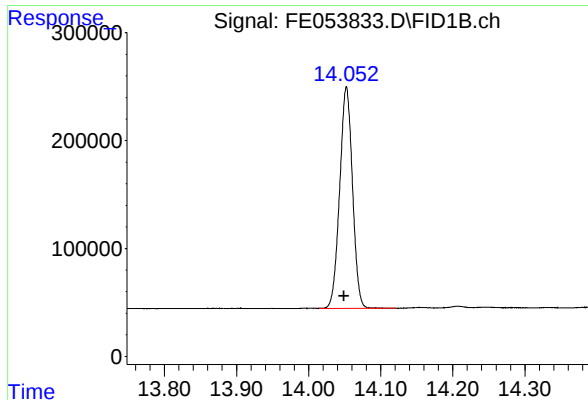
#11 n-Heneicosane (C21)

R.T.: 13.465 min
Delta R.T.: 0.003 min
Response: 2569463
Conc: 19.82 ug/ml



#12 1-chlorooctadecane (SURR)

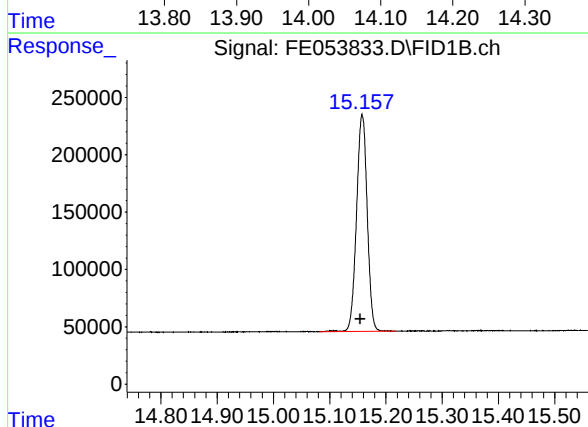
R.T.: 13.297 min
Delta R.T.: 0.002 min
Response: 2369741
Conc: 19.99 ug/ml



#13 n-Docosane (C22)

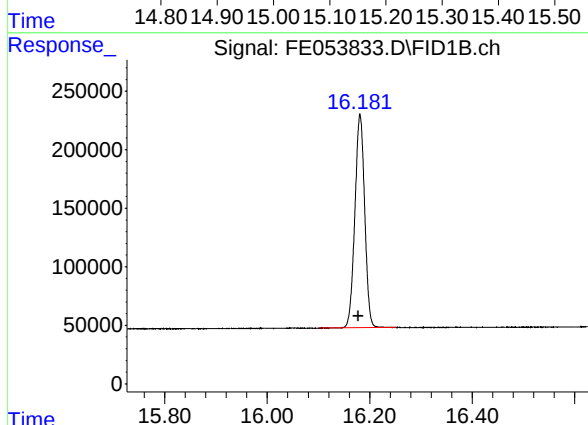
R.T.: 14.052 min
Delta R.T.: 0.003 min
Response: 2533628
Conc: 19.86 ug/ml

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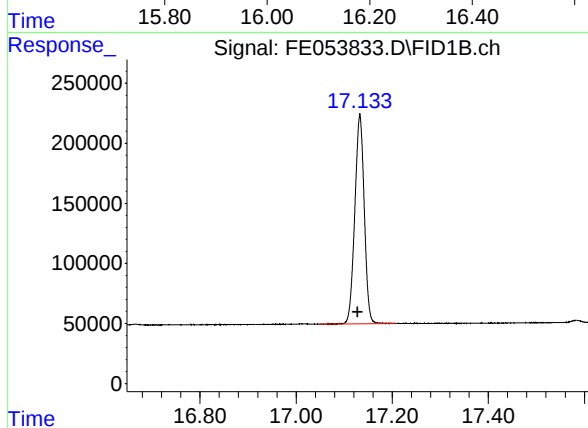
#14 n-Tetracosane (C24)

R.T.: 15.158 min
Delta R.T.: 0.003 min
Response: 2488394
Conc: 19.89 ug/ml



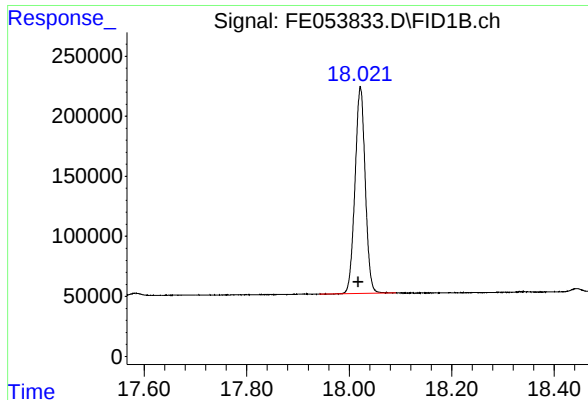
#15 n-Hexacosane (C26)

R.T.: 16.181 min
Delta R.T.: 0.003 min
Response: 2417952
Conc: 19.75 ug/ml



#16 n-Octacosane (C28)

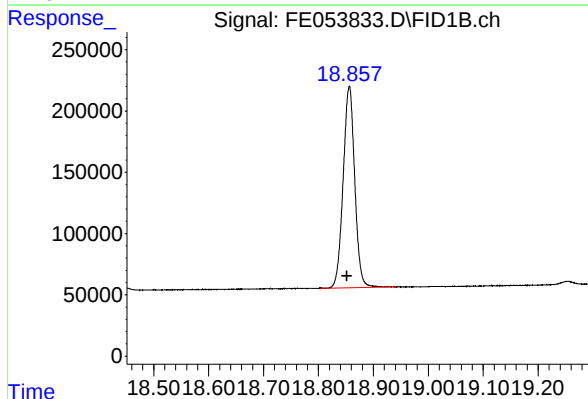
R.T.: 17.133 min
Delta R.T.: 0.004 min
Response: 2372759
Conc: 19.52 ug/ml



#17 n-Tricontane (C30)

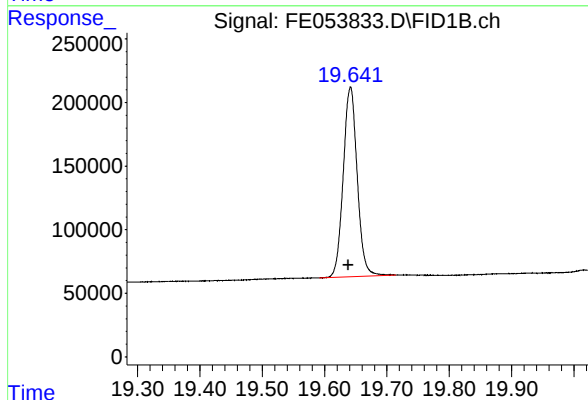
R.T.: 18.022 min
Delta R.T.: 0.004 min
Response: 2386403
Conc: 19.16 ug/ml

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20 PPM ALIPHATIC HC STD



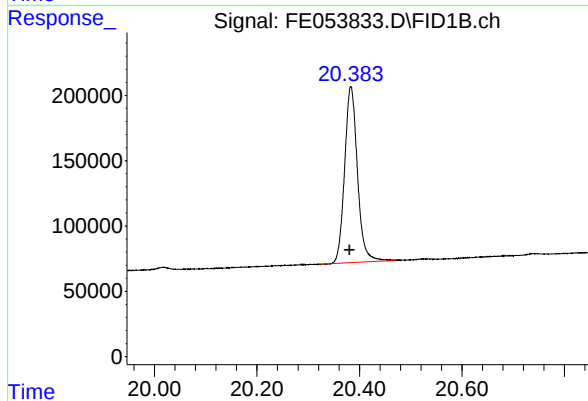
#18 n-Dotriacontane (C32)

R.T.: 18.856 min
Delta R.T.: 0.004 min
Response: 2399533
Conc: 19.19 ug/ml



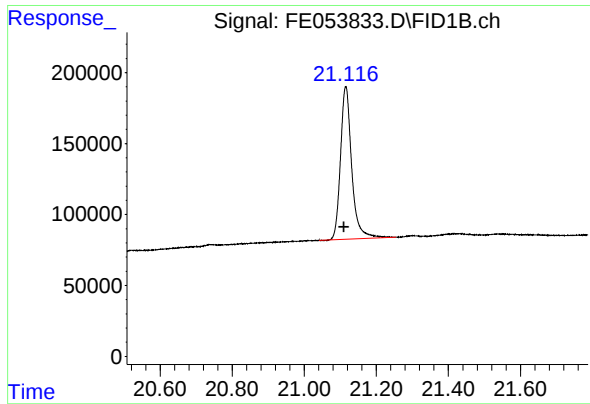
#19 n-Tetatriacontane (C34)

R.T.: 19.641 min
Delta R.T.: 0.004 min
Response: 2321168
Conc: 19.49 ug/ml



#20 n-Hexatriacontane (C36)

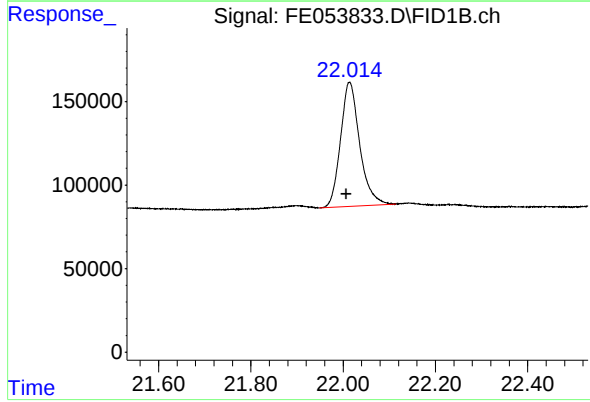
R.T.: 20.383 min
Delta R.T.: 0.003 min
Response: 2340127
Conc: 20.21 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.115 min
Delta R.T.: 0.004 min
Response: 2316342
Conc: 21.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.014 min
Delta R.T.: 0.007 min
Response: 2136476
Conc: 21.53 ug/ml