

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051525AL\
 Data File : FE053836.D
 Signal(s) : FID1B.ch
 Acq On : 15 May 2025 08:23
 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 05/16/2025
 Supervised By :mohammad ahmed 05/19/2025

Integration File: autoint1.e
 Quant Time: May 15 23:19:47 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)	11.854	3271450	20.131 ug/ml
Spiked Amount 50.000		Recovery =	40.26%
12) S 1-chlorooctadecane (S...	13.298	2393097	20.187 ug/mlm
Spiked Amount 50.000		Recovery =	40.37%
Target Compounds			
1) T n-Nonane (C9)	3.201	2730401	20.202 ug/ml
2) T n-Decane (C10)	4.462	2745773	20.319 ug/ml
3) T A~Naphthalene (C11.7)	6.175	2959426	20.592 ug/ml
4) T n-Dodecane (C12)	6.643	2767770	20.291 ug/ml
5) T A~2-methylnaphthalene...	7.277	2870664	20.696 ug/ml
6) T n-Tetradecane (C14)	8.479	2728033	20.215 ug/ml
7) T n-Hexadecane (C16)	10.092	2731236	20.241 ug/ml
8) T n-Octadecane (C18)	11.540	2725479	20.240 ug/ml
10) T n-Eicosane (C20)	12.853	2650111	20.164 ug/ml
11) T n-Heneicosane (C21)	13.467	2620056	20.210 ug/ml
13) T n-Docosane (C22)	14.054	2578233	20.209 ug/ml
14) T n-Tetracosane (C24)	15.160	2533576	20.250 ug/ml
15) T n-Hexacosane (C26)	16.183	2457136	20.066 ug/ml
16) T n-Octacosane (C28)	17.135	2393842	19.692 ug/ml
17) T n-Tricontane (C30)	18.024	2415988	19.395 ug/ml
18) T n-Dotriacontane (C32)	18.859	2408758	19.262 ug/ml
19) T n-Tetratriacontane (C34)	19.645	2308457	19.379 ug/ml
20) T n-Hexatriacontane (C36)	20.388	2320105	20.038 ug/ml
21) T n-Octatriacontane (C38)	21.119	2271821	20.876 ug/ml
22) T n-Tetracontane (C40)	22.017	2181262	21.982 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

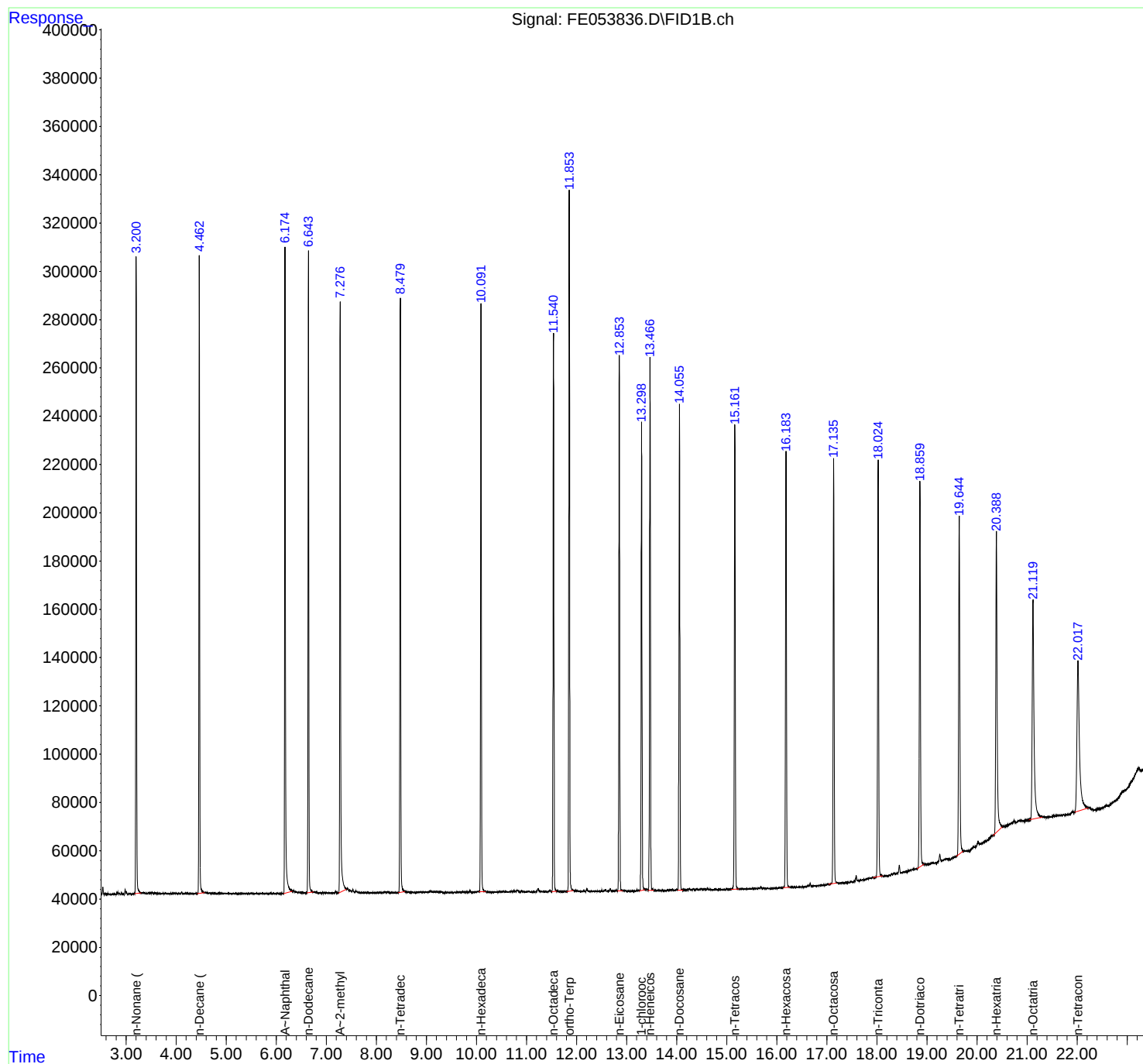
Instrument :
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20 PPM ALIPHATIC HC STD

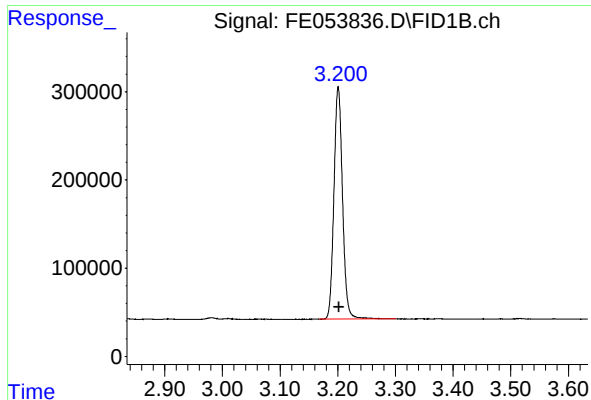
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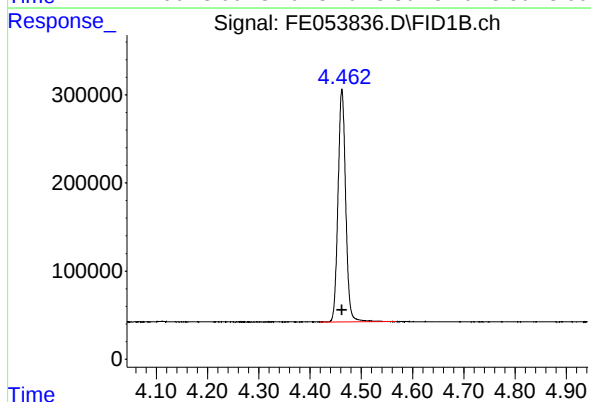
#1 n-Nonane (C9)

R.T.: 3.201 min
Delta R.T.: -0.001 min
Response: 2730401
Conc: 20.20 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

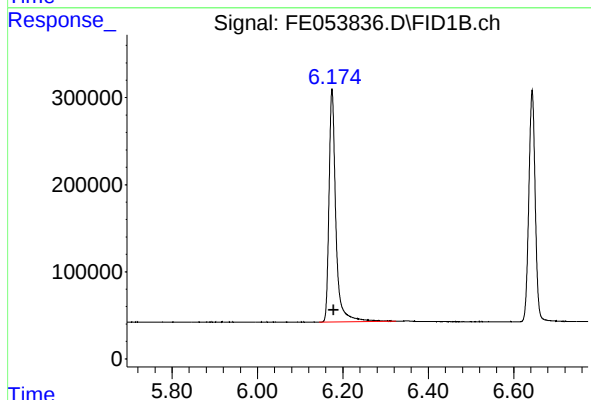
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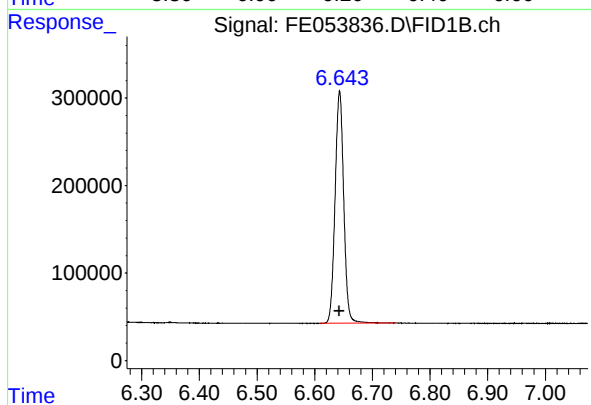
#2 n-Decane (C10)

R.T.: 4.462 min
Delta R.T.: 0.000 min
Response: 2745773
Conc: 20.32 ug/ml



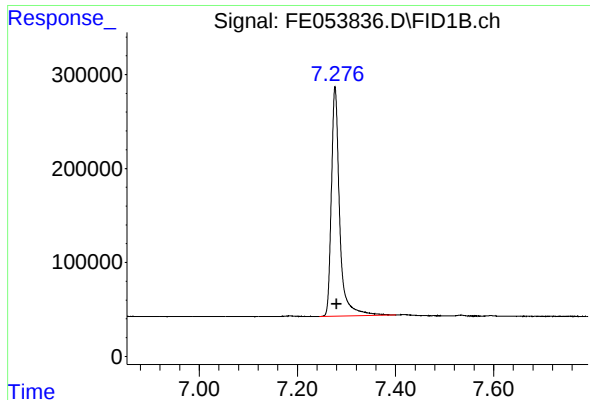
#3 A~Naphthalene (C11.7)

R.T.: 6.175 min
Delta R.T.: -0.003 min
Response: 2959426
Conc: 20.59 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.643 min
Delta R.T.: 0.000 min
Response: 2767770
Conc: 20.29 ug/ml



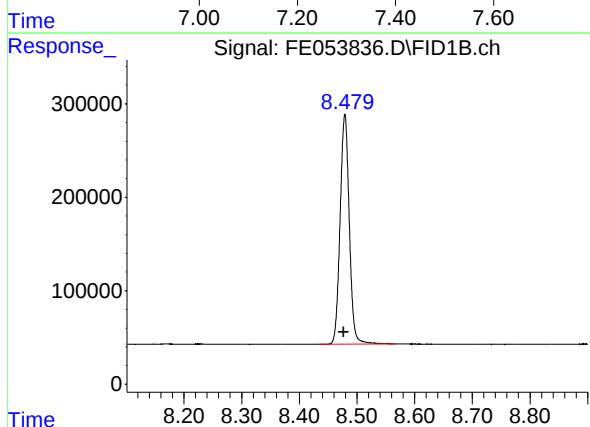
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.277 min
Delta R.T.: -0.003 min
Response: 2870664
Conc: 20.70 ug/ml

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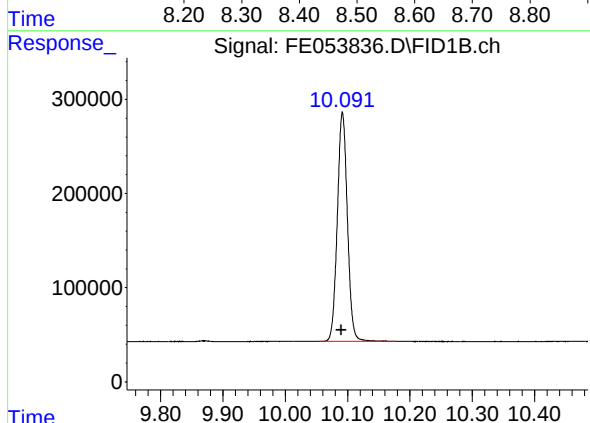
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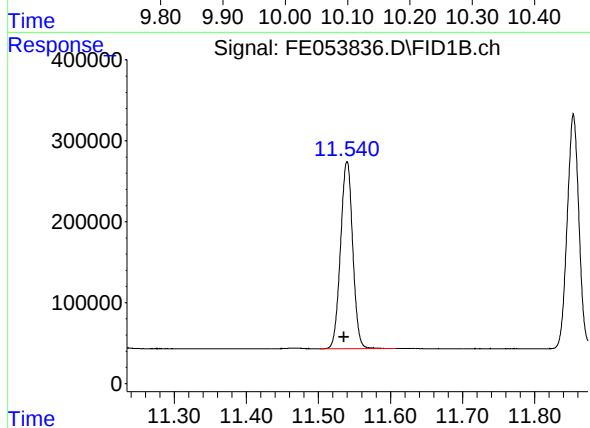
#6 n-Tetradecane (C14)

R.T.: 8.479 min
Delta R.T.: 0.002 min
Response: 2728033
Conc: 20.22 ug/ml



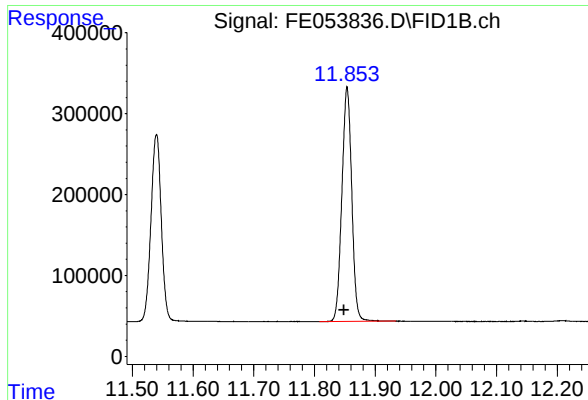
#7 n-Hexadecane (C16)

R.T.: 10.092 min
Delta R.T.: 0.002 min
Response: 2731236
Conc: 20.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.540 min
Delta R.T.: 0.004 min
Response: 2725479
Conc: 20.24 ug/ml



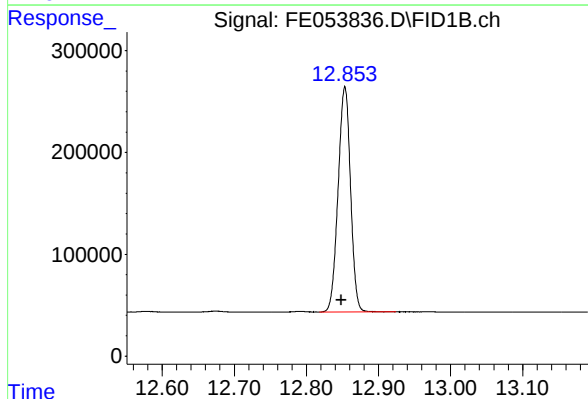
#9 ortho-Terphenyl (SURR)

R.T.: 11.854 min
Delta R.T.: 0.005 min
Response: 3271450
Conc: 20.13 ug/ml

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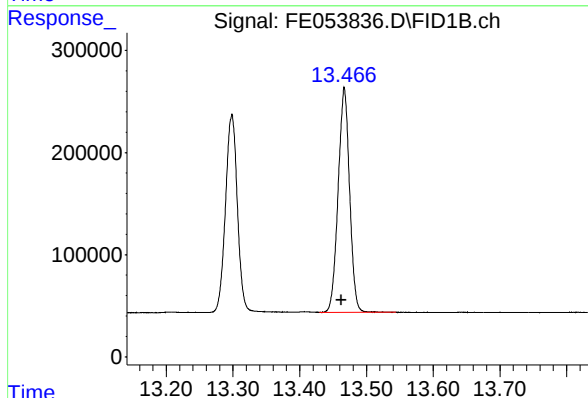
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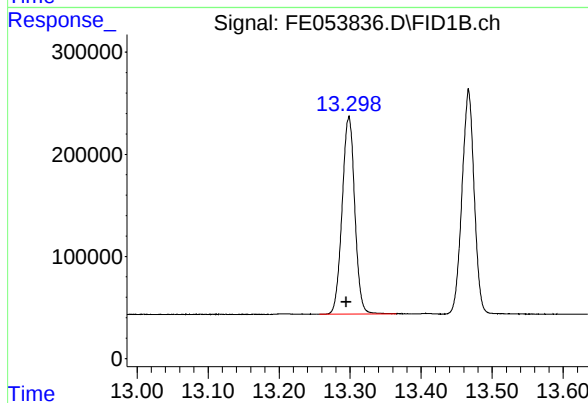
#10 n-Eicosane (C20)

R.T.: 12.853 min
Delta R.T.: 0.005 min
Response: 2650111
Conc: 20.16 ug/ml



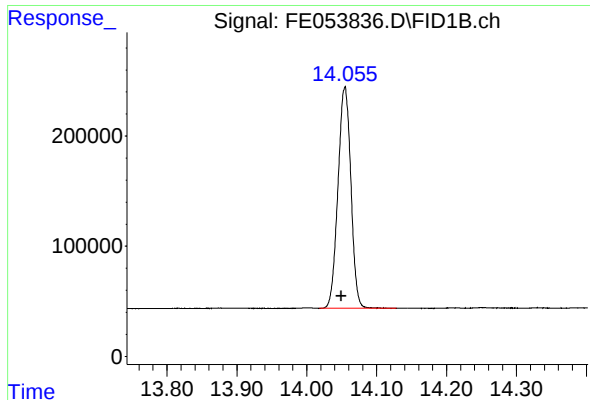
#11 n-Heneicosane (C21)

R.T.: 13.467 min
Delta R.T.: 0.004 min
Response: 2620056
Conc: 20.21 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: 0.004 min
Response: 2393097
Conc: 20.19 ug/ml m



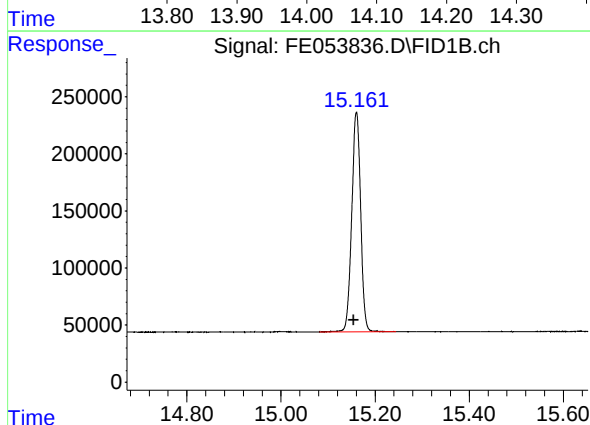
#13 n-Docosane (C22)

R.T.: 14.054 min
Delta R.T.: 0.005 min
Response: 2578233
Conc: 20.21 ug/ml

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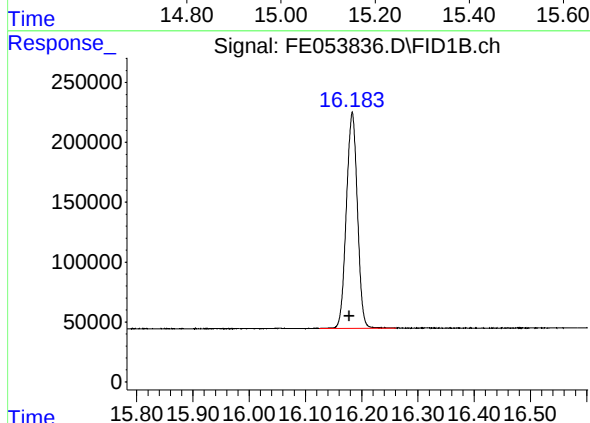
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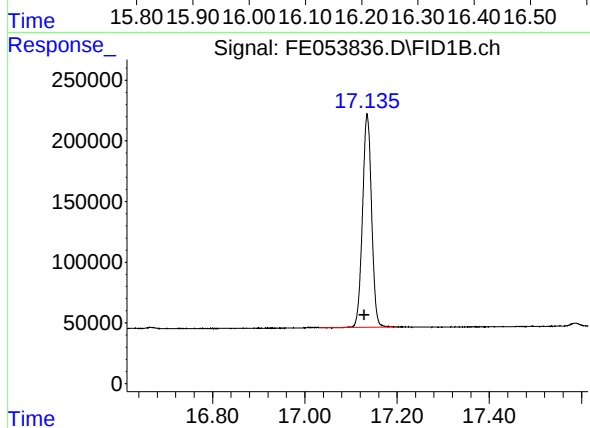
#14 n-Tetracosane (C24)

R.T.: 15.160 min
Delta R.T.: 0.006 min
Response: 2533576
Conc: 20.25 ug/ml



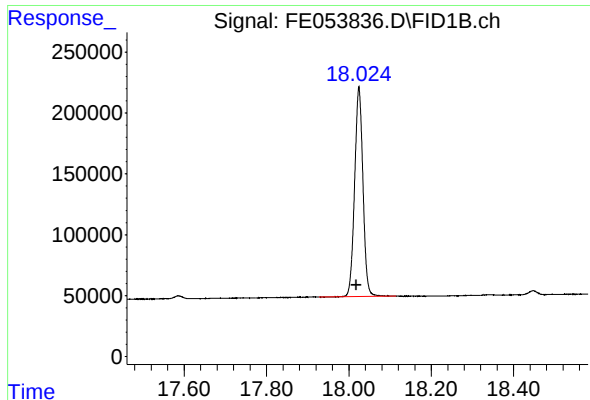
#15 n-Hexacosane (C26)

R.T.: 16.183 min
Delta R.T.: 0.005 min
Response: 2457136
Conc: 20.07 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.135 min
Delta R.T.: 0.007 min
Response: 2393842
Conc: 19.69 ug/ml



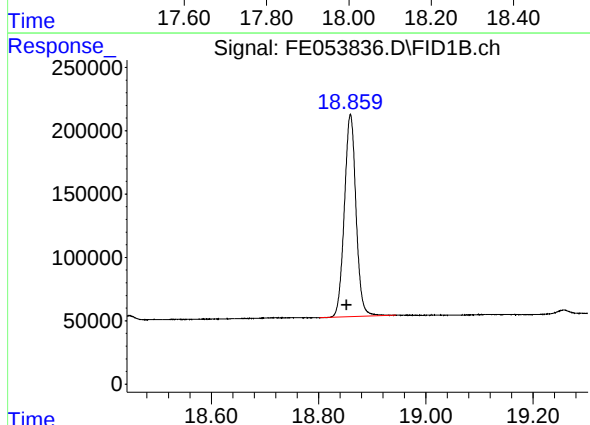
#17 n-Tricontane (C30)

R.T.: 18.024 min
Delta R.T.: 0.006 min
Response: 2415988
Conc: 19.40 ug/ml

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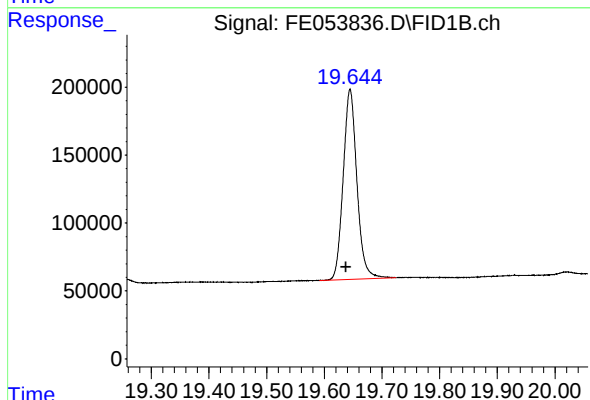
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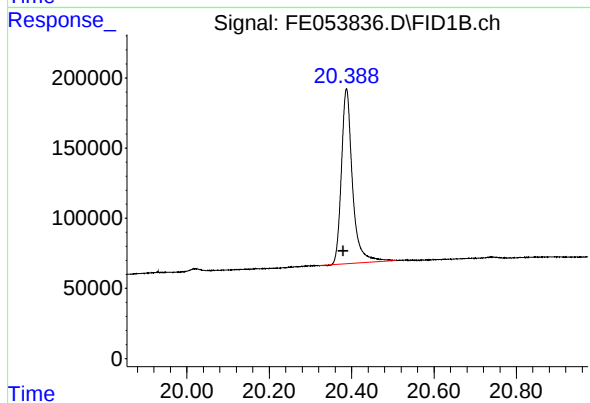
#18 n-Dotriacontane (C32)

R.T.: 18.859 min
Delta R.T.: 0.007 min
Response: 2408758
Conc: 19.26 ug/ml



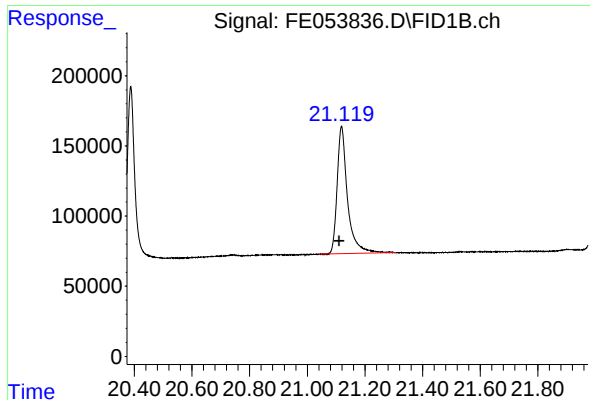
#19 n-Tetatriacontane (C34)

R.T.: 19.645 min
Delta R.T.: 0.007 min
Response: 2308457
Conc: 19.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.388 min
Delta R.T.: 0.007 min
Response: 2320105
Conc: 20.04 ug/ml



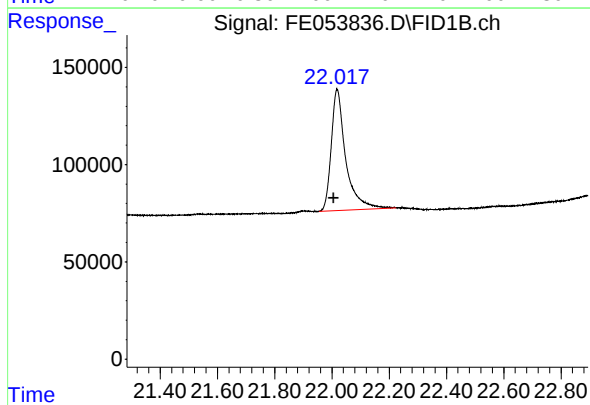
#21 n-Octatriacontane (C38)

R.T.: 21.119 min
Delta R.T.: 0.008 min
Response: 2271821
Conc: 20.88 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.017 min
Delta R.T.: 0.011 min
Response: 2181262
Conc: 21.98 ug/ml m