

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091225AL\
 Data File : FE055801.D
 Signal(s) : FID1B.ch
 Acq On : 12 Sep 2025 14:50
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2025
 Supervised By :mohammad ahmed 09/16/2025

Integration File: autoint1.e
 Quant Time: Sep 13 02:30:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

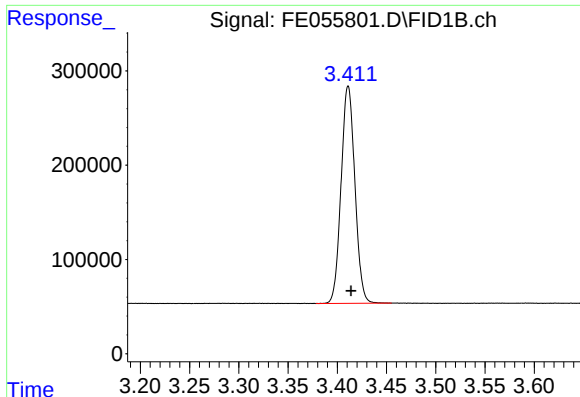
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.069	2919927	17.774 ug/ml
Spiked Amount 50.000		Recovery =	35.55%
12) S 1-chlorooctadecane (S...	13.506	2195876	17.561 ug/ml
Spiked Amount 50.000		Recovery =	35.12%
Target Compounds			
1) T n-Nonane (C9)	3.411	2247107	17.707 ug/ml
2) T n-Decane (C10)	4.668	2373230	18.527 ug/ml
3) T A~Naphthalene (C11.7)	6.386	2619328	18.028 ug/ml
4) T n-Dodecane (C12)	6.843	2434518	18.697 ug/ml
5) T A~2-methylnaphthalene...	7.487	2538986	18.052 ug/ml
6) T n-Tetradecane (C14)	8.679	2460432	18.683 ug/ml
7) T n-Hexadecane (C16)	10.294	2568758	18.547 ug/ml
8) T n-Octadecane (C18)	11.743	2670808	18.311 ug/ml
10) T n-Eicosane (C20)	13.058	2577958	17.909 ug/ml
11) T n-Heneicosane (C21)	13.672	2525401	17.679 ug/ml
13) T n-Docosane (C22)	14.260	2521639	17.616 ug/ml
14) T n-Tetracosane (C24)	15.365	2546385	17.598 ug/ml
15) T n-Hexacosane (C26)	16.390	2480791	17.365 ug/ml
16) T n-Octacosane (C28)	17.342	2536814	17.835 ug/ml
17) T n-Tricontane (C30)	18.232	2779028	18.800 ug/ml
18) T n-Dotriacontane (C32)	19.066	2906343	19.801 ug/ml
19) T n-Tetratriacontane (C34)	19.852	2736015	19.365 ug/ml
20) T n-Hexatriacontane (C36)	20.592	2453207	18.591 ug/ml
21) T n-Octatriacontane (C38)	21.366	2232063	17.138 ug/ml
22) T n-Tetracontane (C40)	22.351	2160823	16.850 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.



#1 n-Nonane (C9)

R.T.: 3.411 min
Delta R.T.: -0.003 min
Response: 2247107
Conc: 17.71 ug/ml

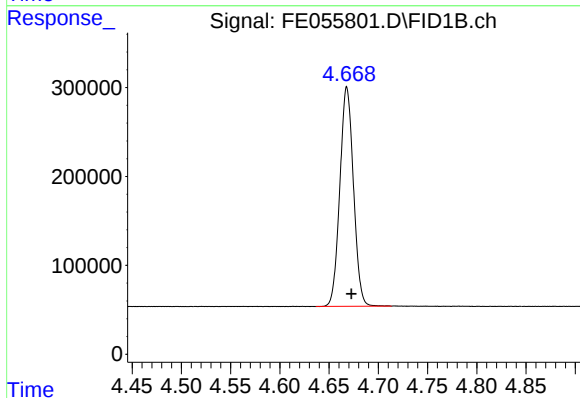
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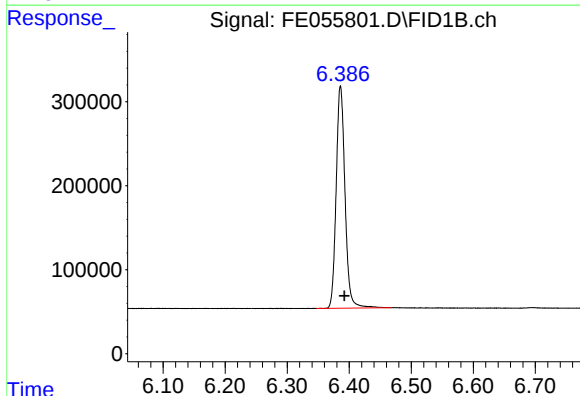
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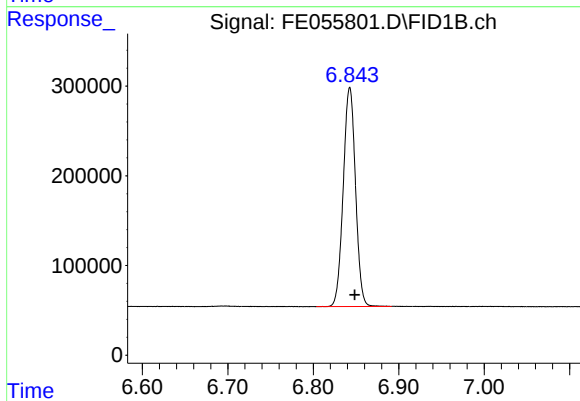
#2 n-Decane (C10)

R.T.: 4.668 min
Delta R.T.: -0.004 min
Response: 2373230
Conc: 18.53 ug/ml



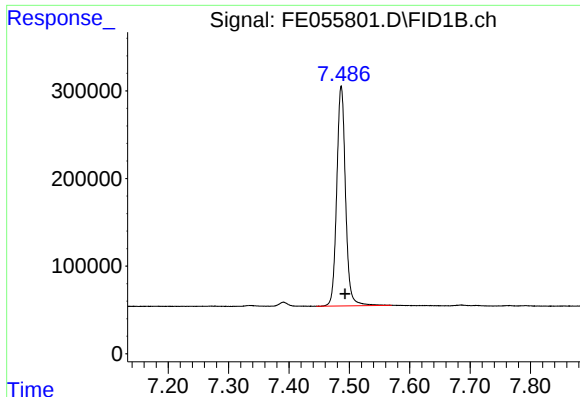
#3 A~Naphthalene (C11.7)

R.T.: 6.386 min
Delta R.T.: -0.006 min
Response: 2619328
Conc: 18.03 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.843 min
Delta R.T.: -0.006 min
Response: 2434518
Conc: 18.70 ug/ml



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

R.T.: 7.487 min
Delta R.T.: -0.007 min
Response: 2538986
Conc: 18.05 ug/ml

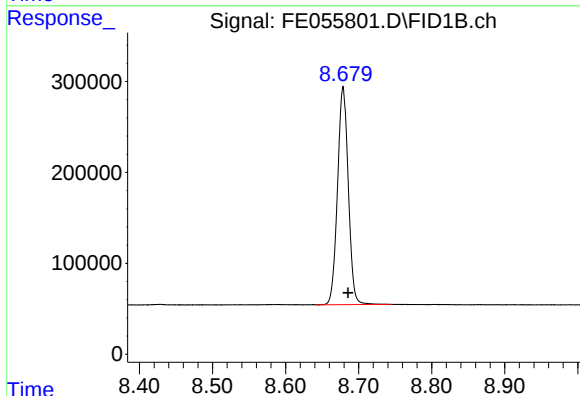
Instrument :

FID_E

ClientSampleId :

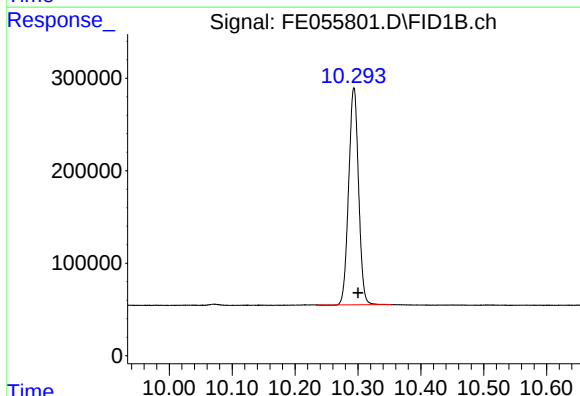
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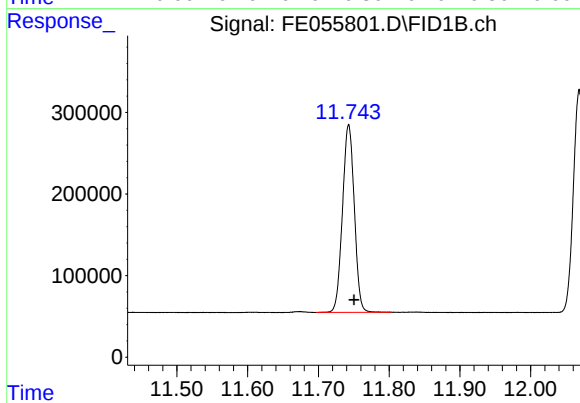
#6 n-Tetradecane (C14)

R.T.: 8.679 min
Delta R.T.: -0.007 min
Response: 2460432
Conc: 18.68 ug/ml



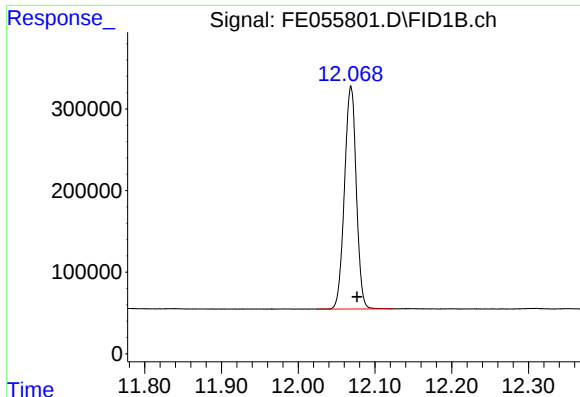
#7 n-Hexadecane (C16)

R.T.: 10.294 min
Delta R.T.: -0.007 min
Response: 2568758
Conc: 18.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.743 min
Delta R.T.: -0.007 min
Response: 2670808
Conc: 18.31 ug/ml



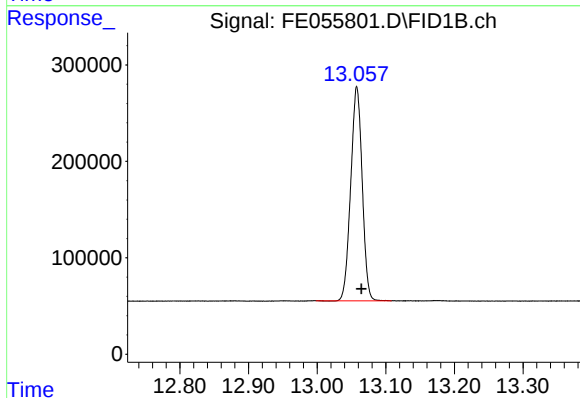
#9 ortho-Terphenyl (SURR)

R.T.: 12.069 min
Delta R.T.: -0.008 min
Response: 2919927
Conc: 17.77 ug/ml

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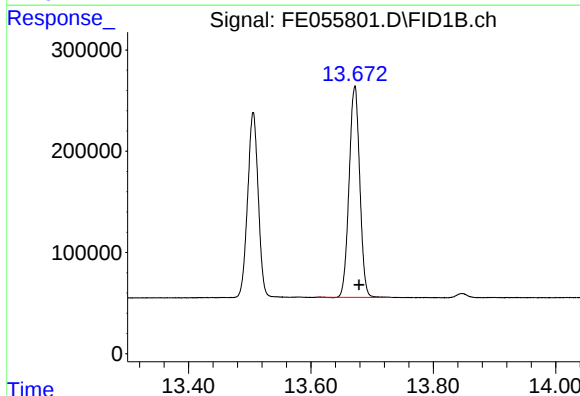
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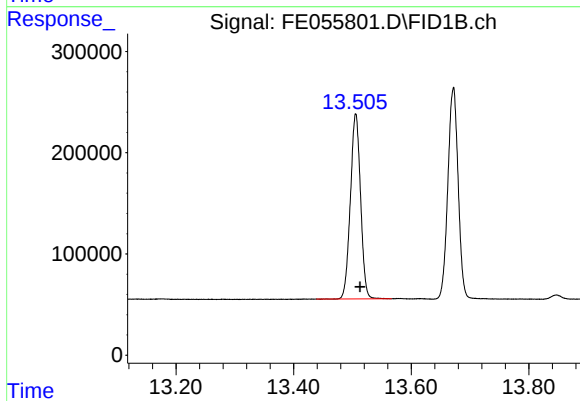
#10 n-Eicosane (C20)

R.T.: 13.058 min
Delta R.T.: -0.007 min
Response: 2577958
Conc: 17.91 ug/ml



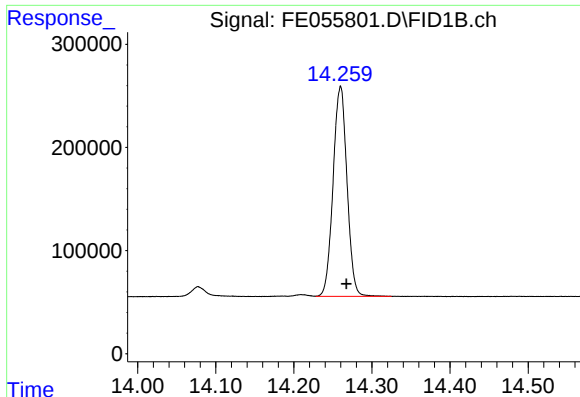
#11 n-Heneicosane (C21)

R.T.: 13.672 min
Delta R.T.: -0.007 min
Response: 2525401
Conc: 17.68 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.506 min
Delta R.T.: -0.007 min
Response: 2195876
Conc: 17.56 ug/ml



#13 n-Docosane (C22)

R.T.: 14.260 min
Delta R.T.: -0.008 min
Response: 2521639
Conc: 17.62 ug/ml

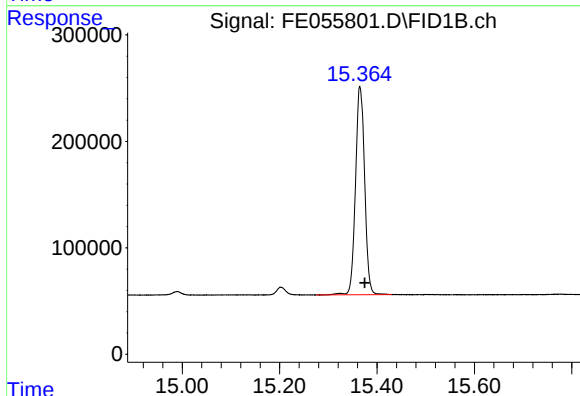
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FID_E

ClientSampleId :

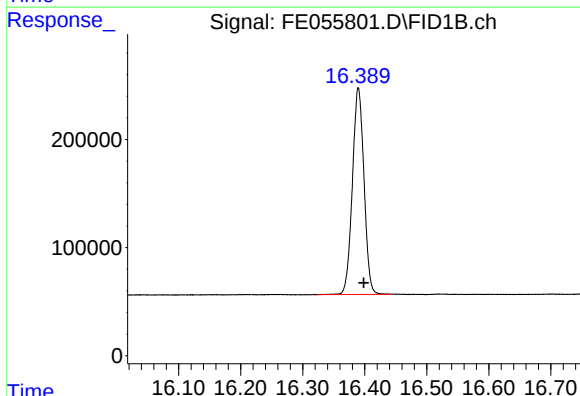
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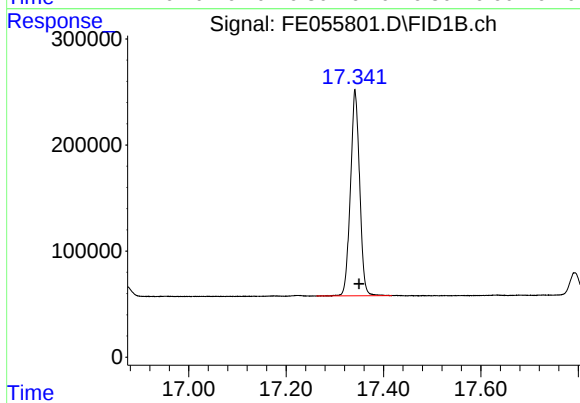
#14 n-Tetracosane (C24)

R.T.: 15.365 min
Delta R.T.: -0.009 min
Response: 2546385
Conc: 17.60 ug/ml



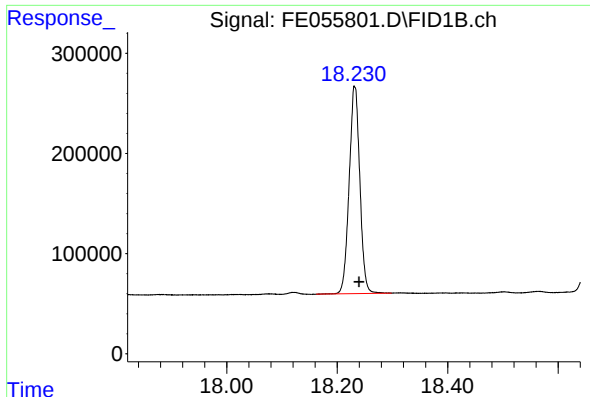
#15 n-Hexacosane (C26)

R.T.: 16.390 min
Delta R.T.: -0.009 min
Response: 2480791
Conc: 17.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.342 min
Delta R.T.: -0.008 min
Response: 2536814
Conc: 17.84 ug/ml



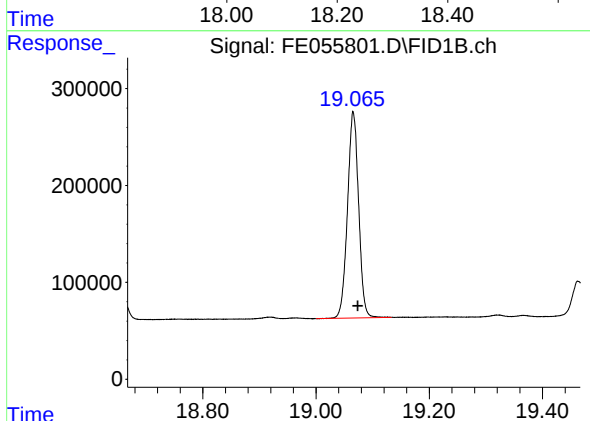
#17 n-Tricontane (C30)

R.T.: 18.232 min
Delta R.T.: -0.008 min
Response: 2779028
Conc: 18.80 ug/ml

Instrument :
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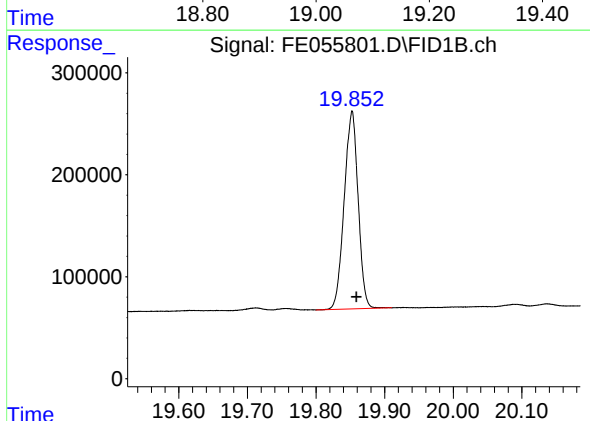
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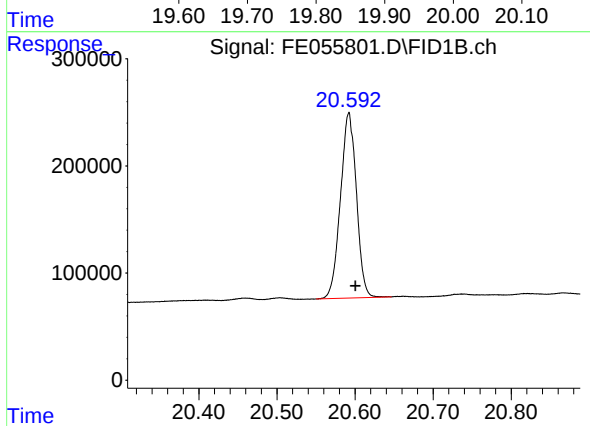
#18 n-Dotriacontane (C32)

R.T.: 19.066 min
Delta R.T.: -0.008 min
Response: 2906343
Conc: 19.80 ug/ml



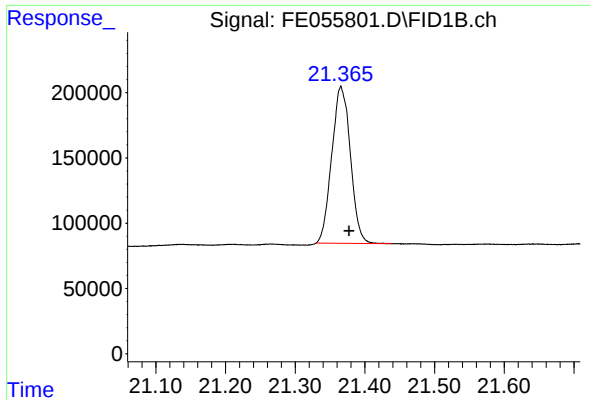
#19 n-Tetratriacontane (C34)

R.T.: 19.852 min
Delta R.T.: -0.007 min
Response: 2736015
Conc: 19.37 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.592 min
Delta R.T.: -0.008 min
Response: 2453207
Conc: 18.59 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.366 min
Delta R.T.: -0.011 min
Response: 2232063
Conc: 17.14 ug/ml

Instrument :

FID_E

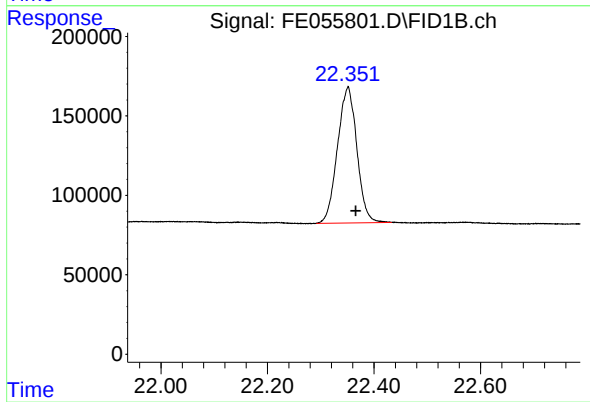
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#22 n-Tetracontane (C40)

R.T.: 22.351 min
Delta R.T.: -0.015 min
Response: 2160823
Conc: 16.85 ug/ml m