

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072925AL\
 Data File : FE055077.D
 Signal(s) : FID1B.ch
 Acq On : 29 Jul 2025 21:00
 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 07/30/2025
 Supervised By :mohammad ahmed 07/31/2025

Integration File: sample.E
 Quant Time: Jul 30 00:27:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.M
 Quant Title : GC Extractables
 QLast Update : Sat Jul 26 03:55:28 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)	12.089	2887190	19.505 ug/ml
Spiked Amount 50.000		Recovery =	39.01%
12) S 1-chlorooctadecane (S...	13.526	2191333	19.568 ug/ml
Spiked Amount 50.000		Recovery =	39.14%
Target Compounds			
1) T n-Nonane (C9)	3.425	2310040	19.027 ug/ml
2) T n-Decane (C10)	4.683	2372050	19.165 ug/ml
3) T A~Naphthalene (C11.7)	6.403	2741417	19.261 ug/ml
4) T n-Dodecane (C12)	6.860	2443003	19.275 ug/ml
5) T A~2-methylnaphthalene...	7.505	2681663	19.407 ug/ml
6) T n-Tetradecane (C14)	8.697	2506511	19.089 ug/ml
7) T n-Hexadecane (C16)	10.312	2618404	19.465 ug/ml
8) T n-Octadecane (C18)	11.762	2646964	19.448 ug/ml
10) T n-Eicosane (C20)	13.077	2545310	19.559 ug/ml
11) T n-Heneicosane (C21)	13.691	2491364	19.591 ug/ml
13) T n-Docosane (C22)	14.280	2479659	19.650 ug/ml
14) T n-Tetracosane (C24)	15.386	2501839	19.963 ug/ml
15) T n-Hexacosane (C26)	16.410	2453799	19.862 ug/ml
16) T n-Octacosane (C28)	17.363	2452765	19.786 ug/ml
17) T n-Tricontane (C30)	18.254	2566256	19.583 ug/mlm
18) T n-Dotriacontane (C32)	19.087	2569696	19.709 ug/mlm
19) T n-Tetratriacontane (C34)	19.873	2434268	19.636 ug/mlm
20) T n-Hexatriacontane (C36)	20.614	2414258	21.016 ug/ml
21) T n-Octatriacontane (C38)	21.396	2464581	21.929 ug/mlm
22) T n-Tetracontane (C40)	22.391	2203152	19.980 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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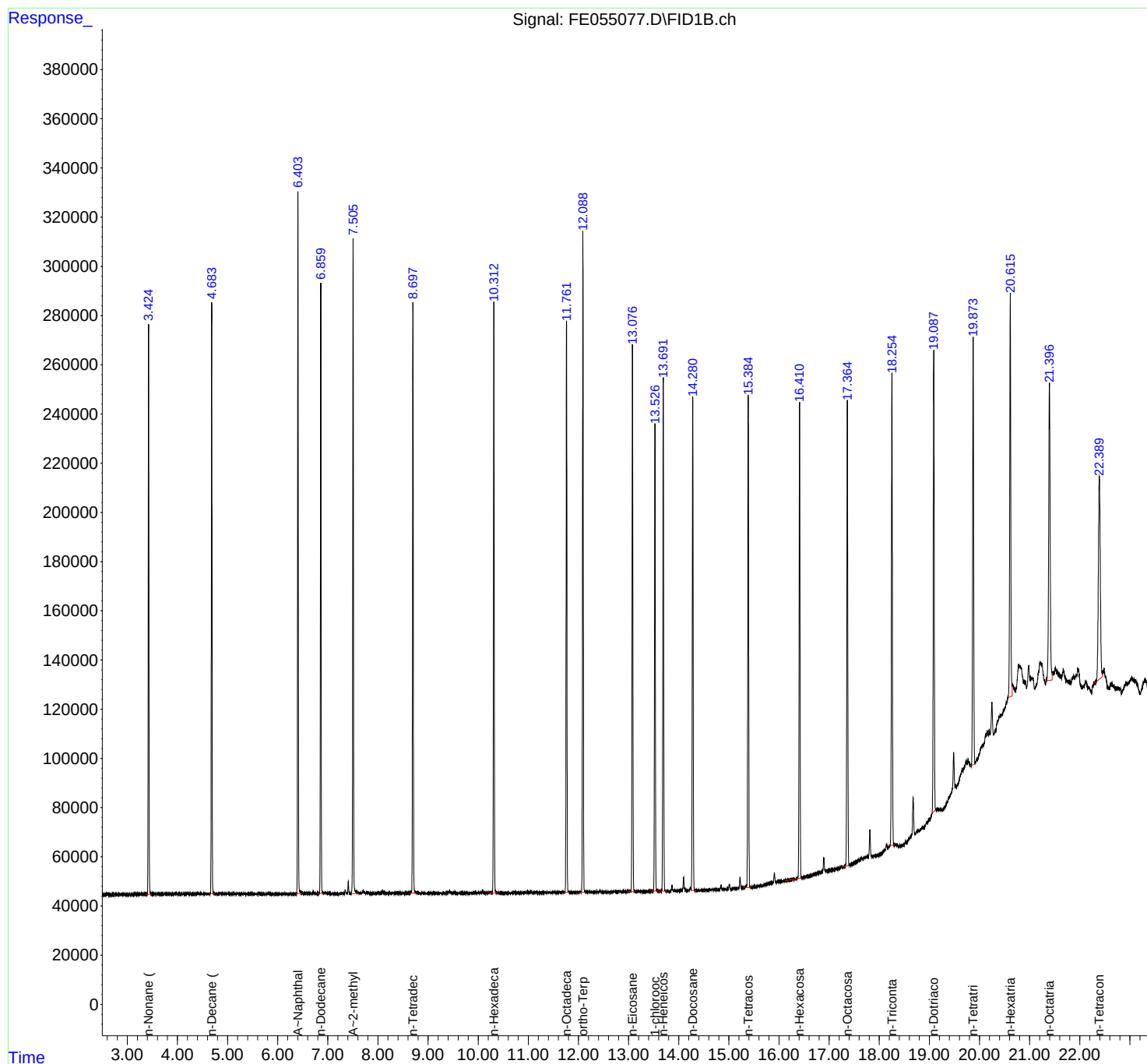
Instrument :
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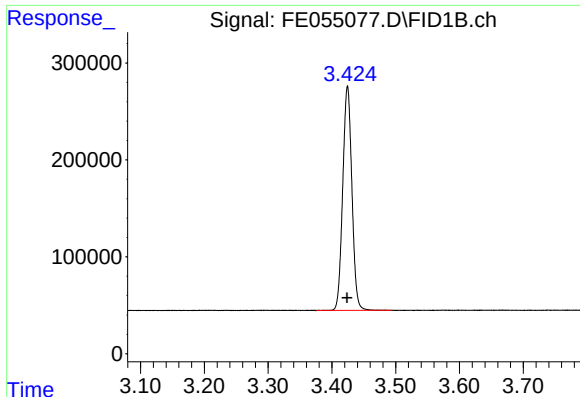
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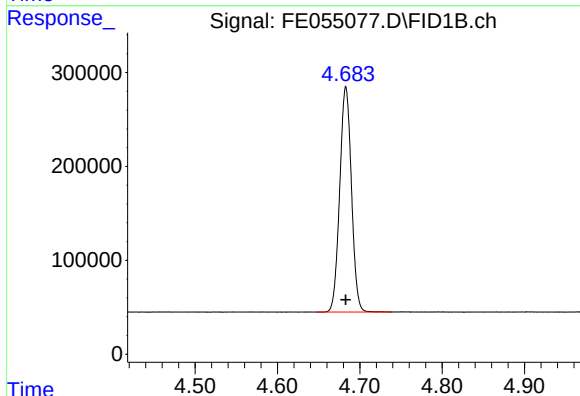
#1 n-Nonane (C9)

R.T.: 3.425 min
Delta R.T.: 0.000 min
Response: 2310040
Conc: 19.03 ug/ml

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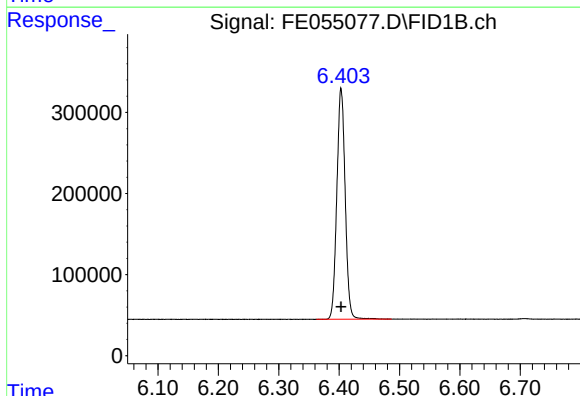
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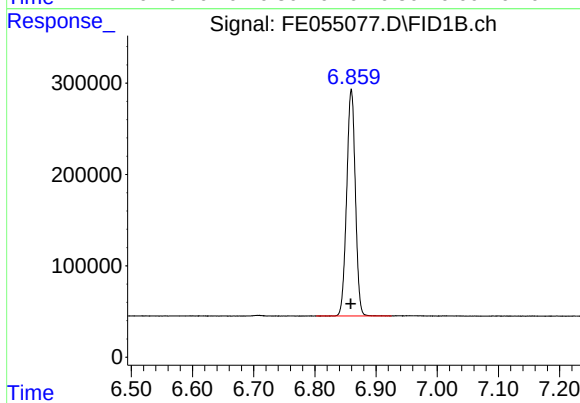
#2 n-Decane (C10)

R.T.: 4.683 min
Delta R.T.: 0.000 min
Response: 2372050
Conc: 19.16 ug/ml



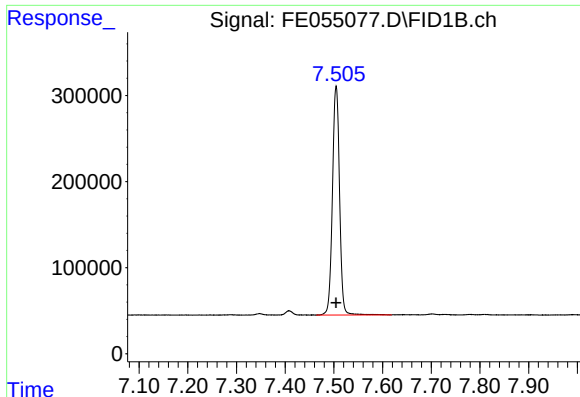
#3 A~Naphthalene (C11.7)

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 2741417
Conc: 19.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.860 min
Delta R.T.: 0.000 min
Response: 2443003
Conc: 19.27 ug/ml



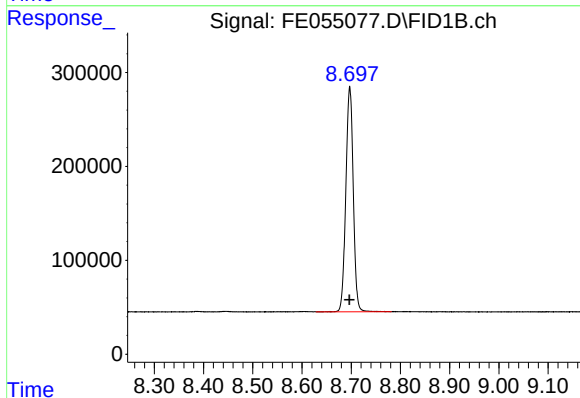
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.505 min
Delta R.T.: 0.000 min
Response: 2681663
Conc: 19.41 ug/ml

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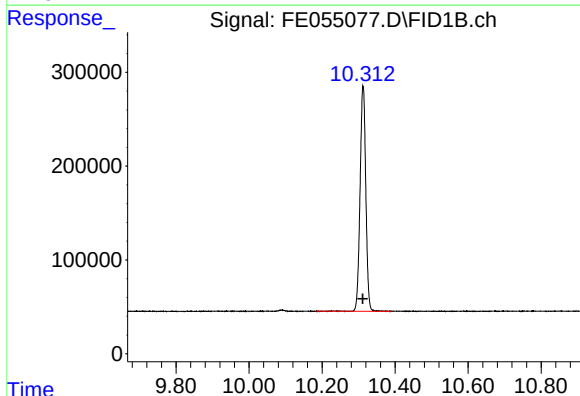
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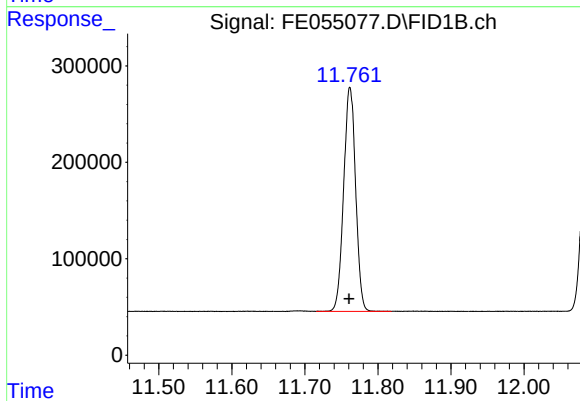
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 2506511
Conc: 19.09 ug/ml



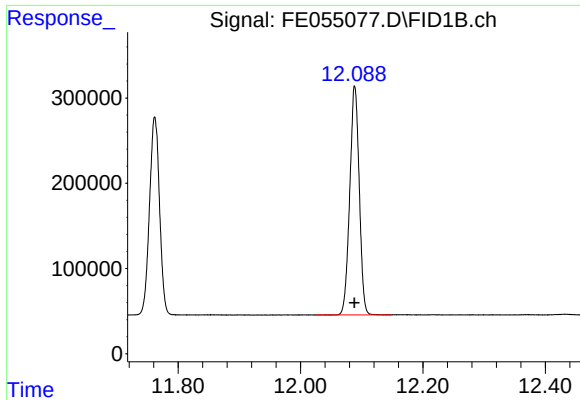
#7 n-Hexadecane (C16)

R.T.: 10.312 min
Delta R.T.: 0.001 min
Response: 2618404
Conc: 19.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.762 min
Delta R.T.: 0.001 min
Response: 2646964
Conc: 19.45 ug/ml



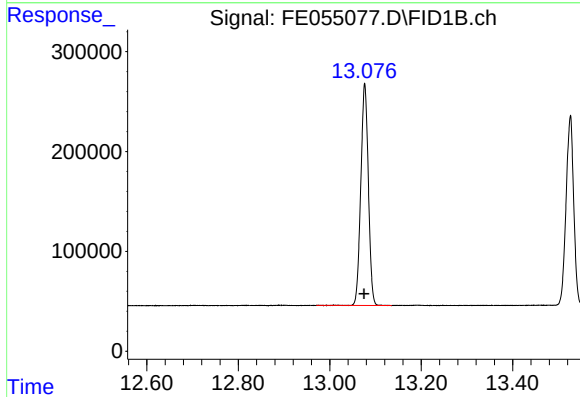
#9 ortho-Terphenyl (SURR)

R.T.: 12.089 min
Delta R.T.: 0.000 min
Response: 2887190
Conc: 19.51 ug/ml

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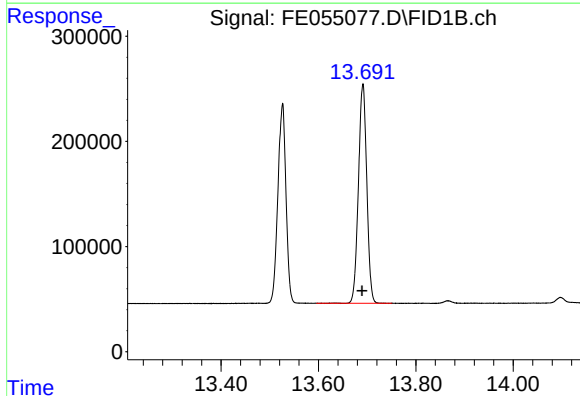
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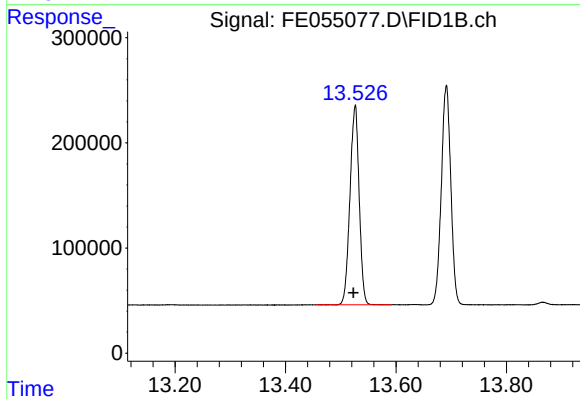
#10 n-Eicosane (C20)

R.T.: 13.077 min
Delta R.T.: 0.002 min
Response: 2545310
Conc: 19.56 ug/ml



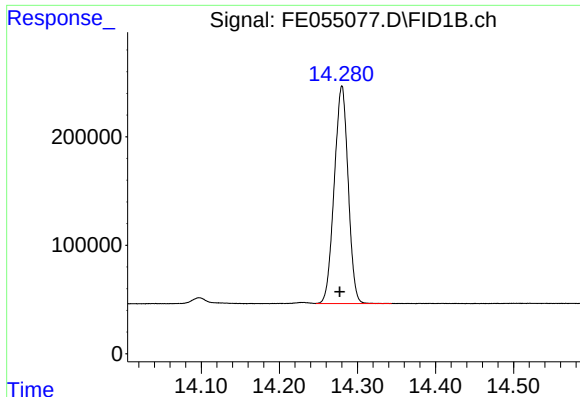
#11 n-Heneicosane (C21)

R.T.: 13.691 min
Delta R.T.: 0.001 min
Response: 2491364
Conc: 19.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.526 min
Delta R.T.: 0.003 min
Response: 2191333
Conc: 19.57 ug/ml



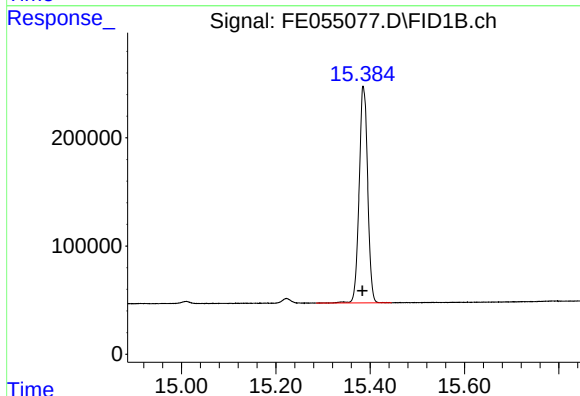
#13 n-Docosane (C22)

R.T.: 14.280 min
Delta R.T.: 0.003 min
Response: 2479659
Conc: 19.65 ug/ml

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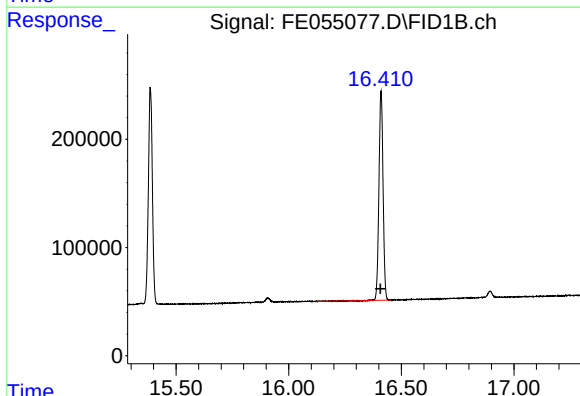
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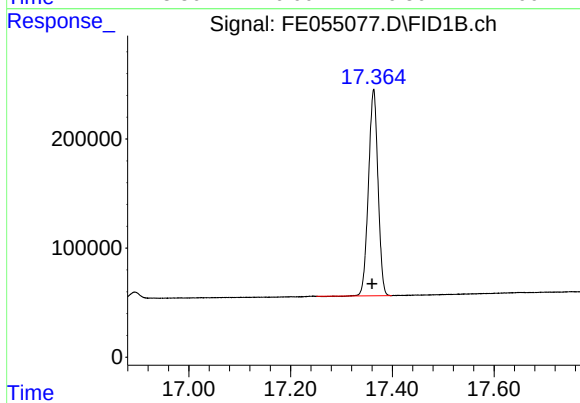
#14 n-Tetracosane (C24)

R.T.: 15.386 min
Delta R.T.: 0.002 min
Response: 2501839
Conc: 19.96 ug/ml



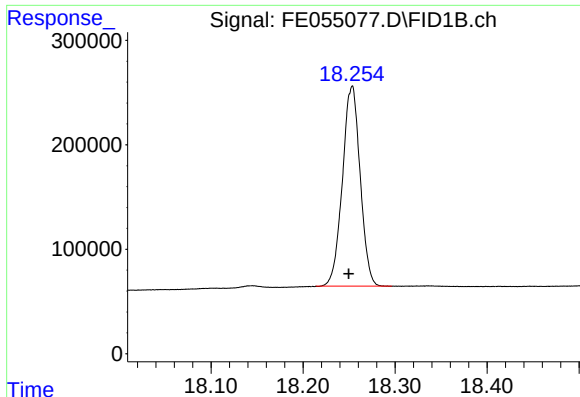
#15 n-Hexacosane (C26)

R.T.: 16.410 min
Delta R.T.: 0.003 min
Response: 2453799
Conc: 19.86 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.363 min
Delta R.T.: 0.003 min
Response: 2452765
Conc: 19.79 ug/ml



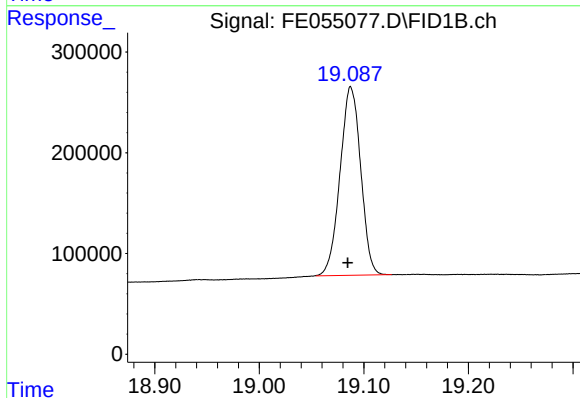
#17 n-Tricontane (C30)

R.T.: 18.254 min
Delta R.T.: 0.004 min
Response: 2566256
Conc: 19.58 ug/ml

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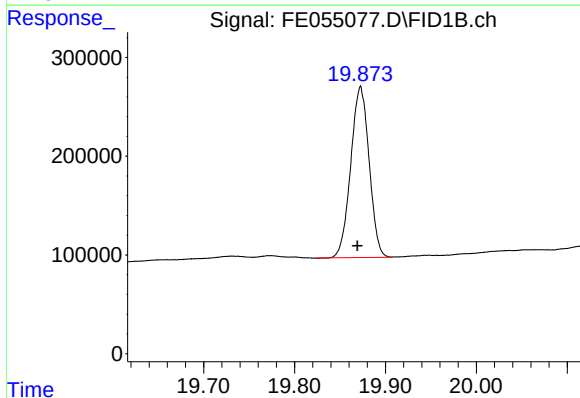
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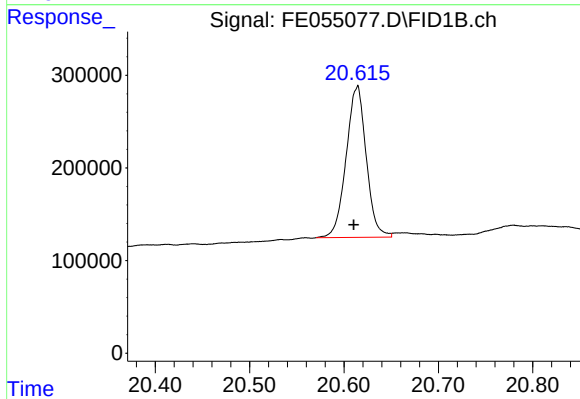
#18 n-Dotriacontane (C32)

R.T.: 19.087 min
Delta R.T.: 0.002 min
Response: 2569696
Conc: 19.71 ug/ml m



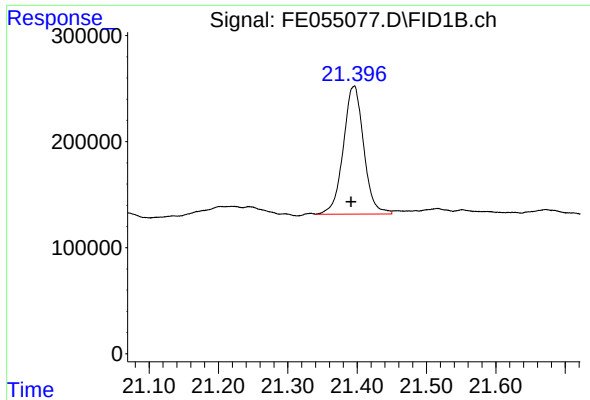
#19 n-Tetratriacontane (C34)

R.T.: 19.873 min
Delta R.T.: 0.003 min
Response: 2434268
Conc: 19.64 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.614 min
Delta R.T.: 0.003 min
Response: 2414258
Conc: 21.02 ug/ml



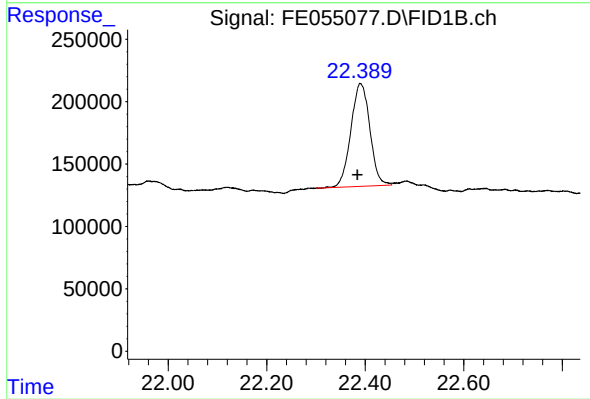
#21 n-Octatriacontane (C38)

R.T.: 21.396 min
Delta R.T.: 0.005 min
Response: 2464581
Conc: 21.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.391 min
Delta R.T.: 0.006 min
Response: 2203152
Conc: 19.98 ug/ml