

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091625AL\
 Data File : FE055847.D
 Signal(s) : FID1B.ch
 Acq On : 16 Sep 2025 11:34
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/17/2025
 Supervised By :mohammad ahmed 09/18/2025

Integration File: sample.E
 Quant Time: Sep 17 01:27:51 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)	12.068	3093618	18.831 ug/ml
Spiked Amount 50.000		Recovery =	37.66%
12) S 1-chlorooctadecane (S...	13.504	2322943	18.577 ug/ml
Spiked Amount 50.000		Recovery =	37.15%
Target Compounds			
1) T n-Nonane (C9)	3.410	2454235	19.340 ug/ml
2) T n-Decane (C10)	4.667	2588654	20.208 ug/ml
3) T A~Naphthalene (C11.7)	6.385	2865440	19.722 ug/ml
4) T n-Dodecane (C12)	6.841	2625087	20.160 ug/ml
5) T A~2-methylnaphthalene...	7.485	2741119	19.489 ug/ml
6) T n-Tetradecane (C14)	8.678	2628653	19.960 ug/ml
7) T n-Hexadecane (C16)	10.293	2757570	19.911 ug/ml
8) T n-Octadecane (C18)	11.742	2870609	19.681 ug/ml
10) T n-Eicosane (C20)	13.057	2789001	19.375 ug/ml
11) T n-Heneicosane (C21)	13.670	2709693	18.970 ug/ml
13) T n-Docosane (C22)	14.259	2723981	19.030 ug/ml
14) T n-Tetracosane (C24)	15.366	2807893	19.405 ug/ml
15) T n-Hexacosane (C26)	16.389	2748715	19.240 ug/ml
16) T n-Octacosane (C28)	17.342	2800453	19.689 ug/ml
17) T n-Tricontane (C30)	18.231	2982738	20.178 ug/ml
18) T n-Dotriacontane (C32)	19.065	3064939	20.882 ug/ml
19) T n-Tetratriacontane (C34)	19.851	2829932	20.030 ug/ml
20) T n-Hexatriacontane (C36)	20.591	2481842	18.808 ug/ml
21) T n-Octatriacontane (C38)	21.367	2248300	17.263 ug/mlm
22) T n-Tetracontane (C40)	22.346	2069644	16.139 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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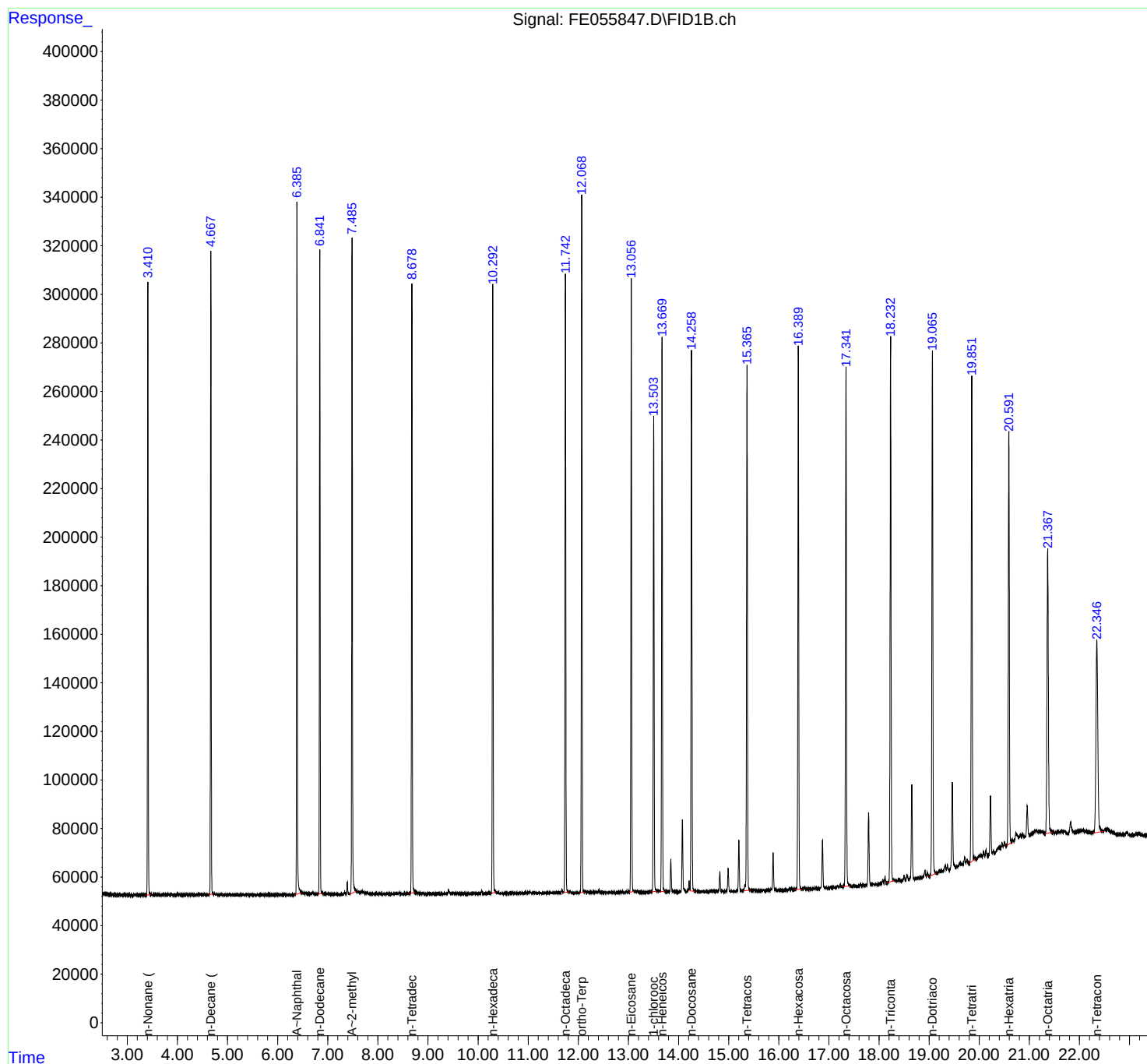
Instrument :
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20 PPM ALIPHATIC HC STD

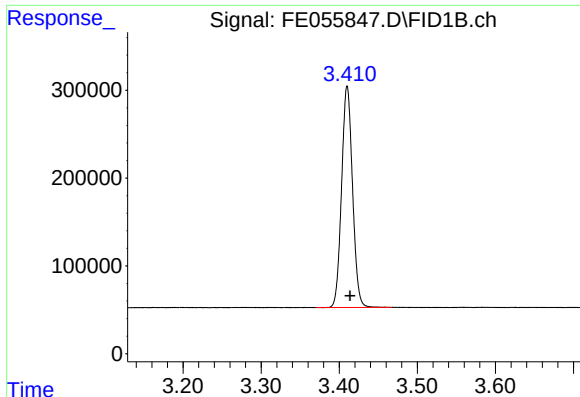
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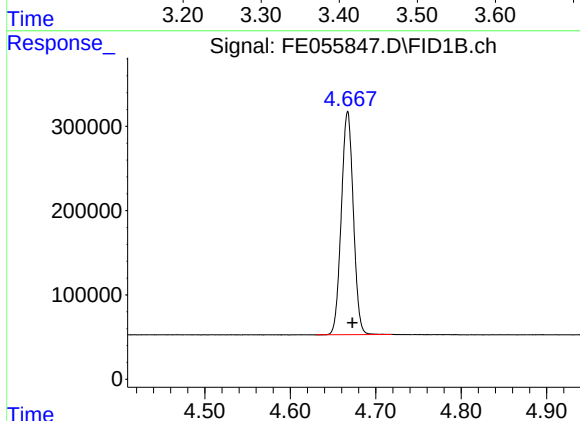
#1 n-Nonane (C9)

R.T.: 3.410 min
Delta R.T.: -0.004 min
Response: 2454235
Conc: 19.34 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

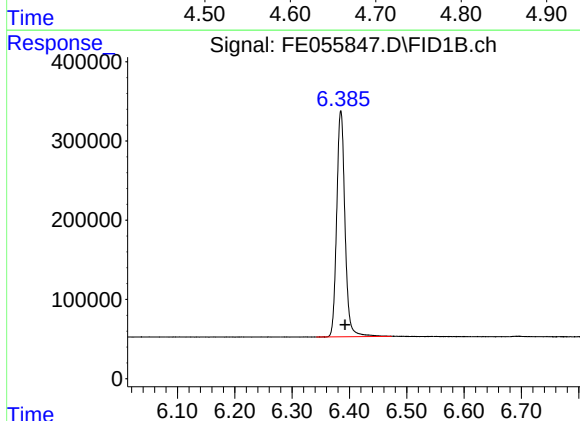
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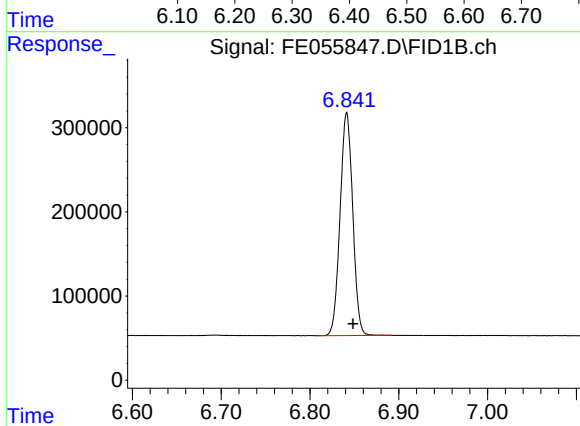
#2 n-Decane (C10)

R.T.: 4.667 min
Delta R.T.: -0.006 min
Response: 2588654
Conc: 20.21 ug/ml



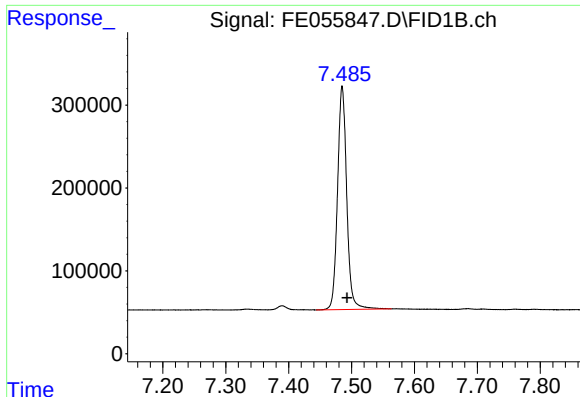
#3 A~Naphthalene (C11.7)

R.T.: 6.385 min
Delta R.T.: -0.007 min
Response: 2865440
Conc: 19.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.841 min
Delta R.T.: -0.007 min
Response: 2625087
Conc: 20.16 ug/ml



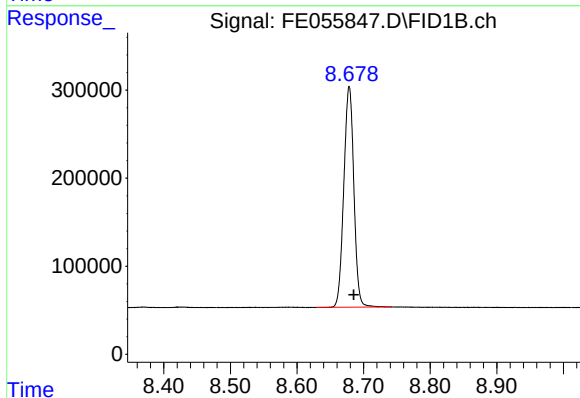
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.485 min
Delta R.T.: -0.008 min
Response: 2741119
Conc: 19.49 ug/ml

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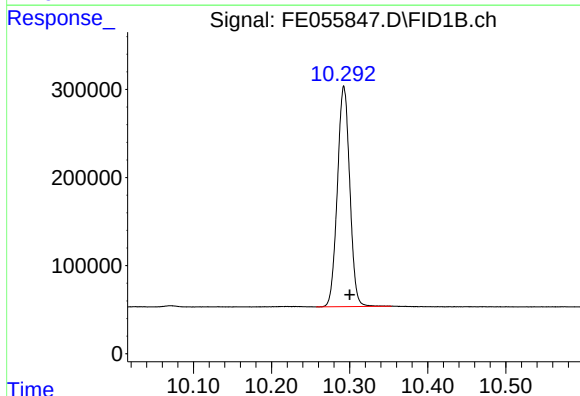
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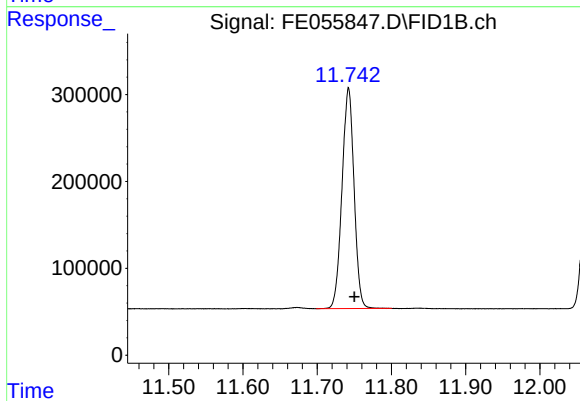
#6 n-Tetradecane (C14)

R.T.: 8.678 min
Delta R.T.: -0.007 min
Response: 2628653
Conc: 19.96 ug/ml



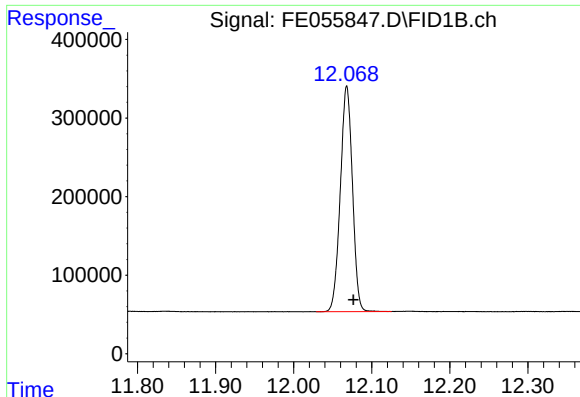
#7 n-Hexadecane (C16)

R.T.: 10.293 min
Delta R.T.: -0.008 min
Response: 2757570
Conc: 19.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.742 min
Delta R.T.: -0.008 min
Response: 2870609
Conc: 19.68 ug/ml



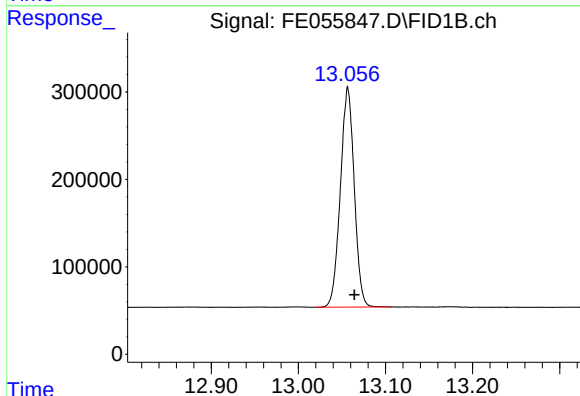
#9 ortho-Terphenyl (SURR)

R.T.: 12.068 min
Delta R.T.: -0.009 min
Response: 3093618
Conc: 18.83 ug/ml

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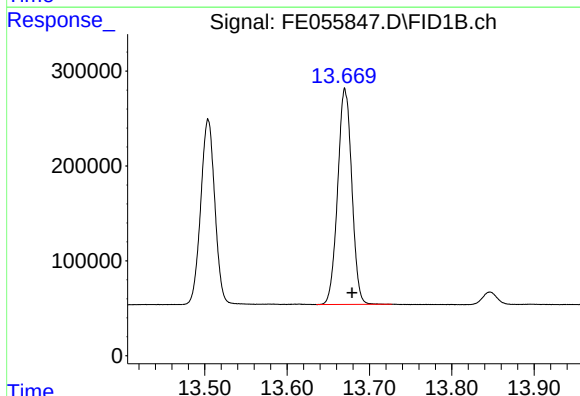
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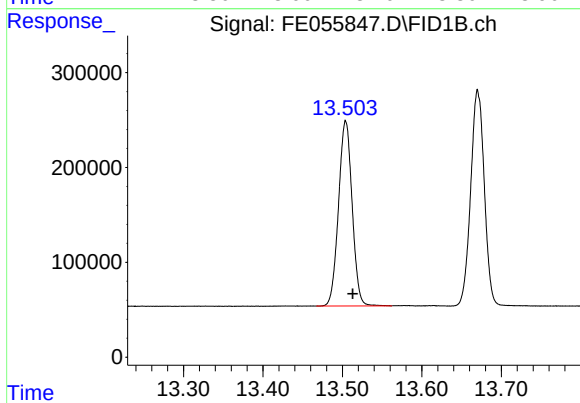
#10 n-Eicosane (C20)

R.T.: 13.057 min
Delta R.T.: -0.008 min
Response: 2789001
Conc: 19.38 ug/ml



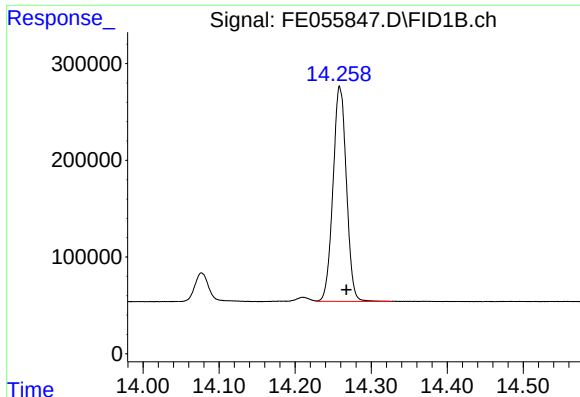
#11 n-Heneicosane (C21)

R.T.: 13.670 min
Delta R.T.: -0.008 min
Response: 2709693
Conc: 18.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.504 min
Delta R.T.: -0.009 min
Response: 2322943
Conc: 18.58 ug/ml



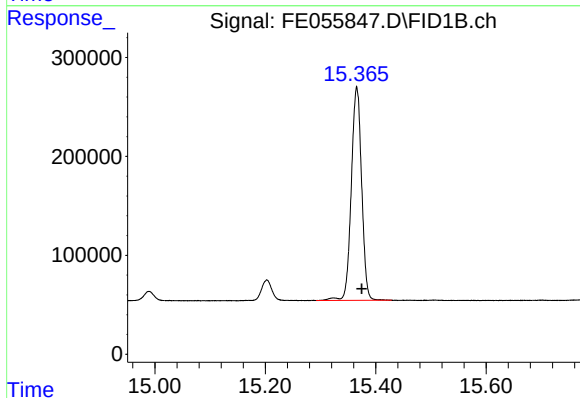
#13 n-Docosane (C22)

R.T.: 14.259 min
Delta R.T.: -0.008 min
Response: 2723981
Conc: 19.03 ug/ml

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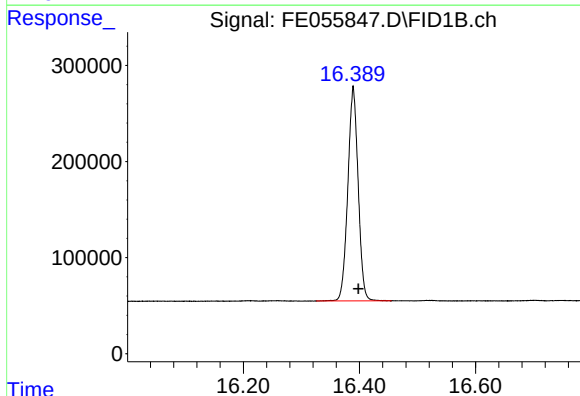
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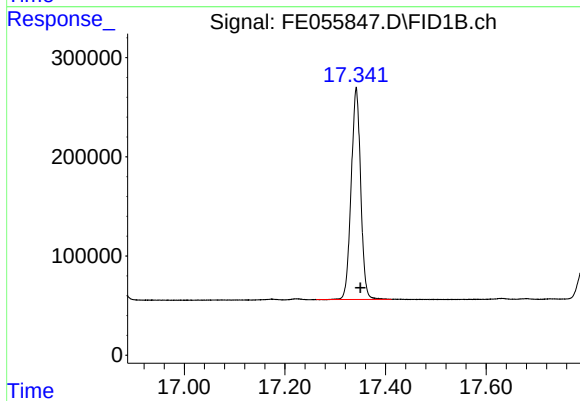
#14 n-Tetracosane (C24)

R.T.: 15.366 min
Delta R.T.: -0.009 min
Response: 2807893
Conc: 19.41 ug/ml



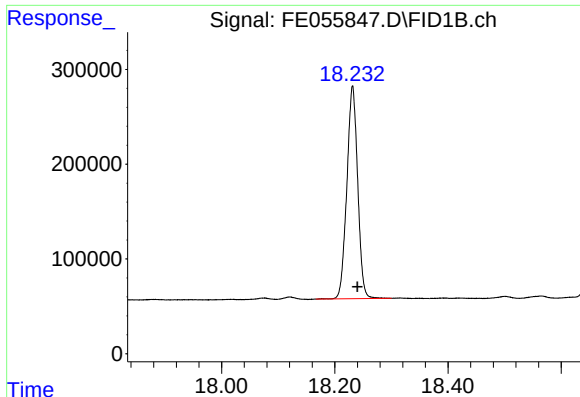
#15 n-Hexacosane (C26)

R.T.: 16.389 min
Delta R.T.: -0.009 min
Response: 2748715
Conc: 19.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.342 min
Delta R.T.: -0.008 min
Response: 2800453
Conc: 19.69 ug/ml



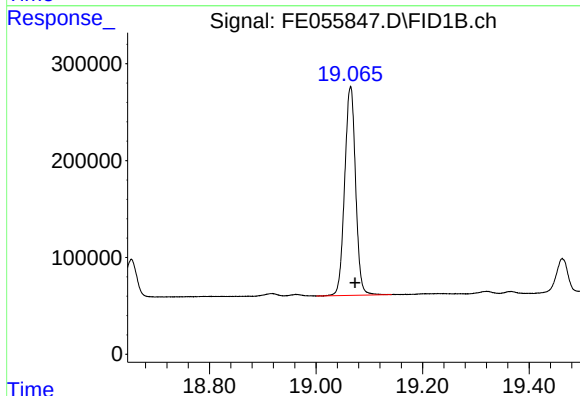
#17 n-Tricontane (C30)

R.T.: 18.231 min
Delta R.T.: -0.008 min
Response: 2982738
Conc: 20.18 ug/ml

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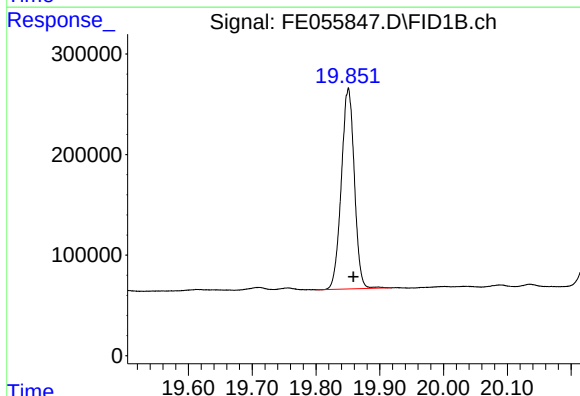
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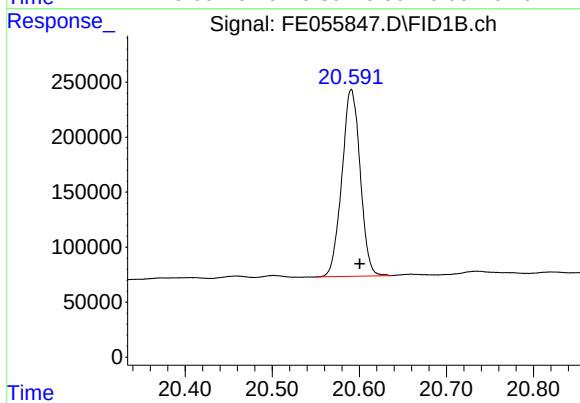
#18 n-Dotriacontane (C32)

R.T.: 19.065 min
Delta R.T.: -0.009 min
Response: 3064939
Conc: 20.88 ug/ml



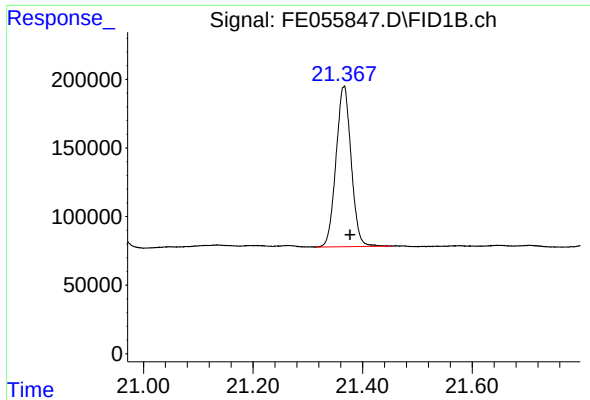
#19 n-Tetratriacontane (C34)

R.T.: 19.851 min
Delta R.T.: -0.008 min
Response: 2829932
Conc: 20.03 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.591 min
Delta R.T.: -0.010 min
Response: 2481842
Conc: 18.81 ug/ml



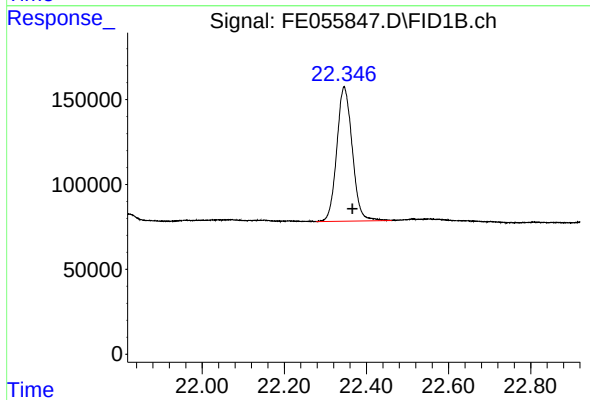
#21 n-Octatriacontane (C38)

R.T.: 21.367 min
Delta R.T.: -0.011 min
Response: 2248300
Conc: 17.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.346 min
Delta R.T.: -0.020 min
Response: 2069644
Conc: 16.14 ug/ml m