

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072121AL\
 Data File : FD038306.D
 Signal(s) : FID2B.CH
 Acq On : 21 Jul 2021 10:41
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

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 7/22/2021 1:57:08 PM

Integration File: sample.E
 Quant Time: Jul 22 01:08:47 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 070621.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 07 10:58:41 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.412	3070545	21.242 ug/ml
Spiked Amount 50.000		Recovery =	42.48%
12) S 1-chlorooctadecane (S...	12.846	2350948	20.620 ug/ml
Spiked Amount 50.000		Recovery =	41.24%
Target Compounds			
1) T n-Nonane (C9)	3.226	2915126	23.990 ug/ml
2) T n-Decane (C10)	4.282	2950936	24.126 ug/ml
3) T A~Naphthalene (C11.7)	5.852	3232139	23.644 ug/ml
4) T n-Dodecane (C12)	6.288	2989414	24.002 ug/ml
5) T A~2-methylnaphthalene...	6.903	3230642	23.455 ug/ml
6) T n-Tetradecane (C14)	8.074	3032036	23.590 ug/ml
7) T n-Hexadecane (C16)	9.667	3002083	23.167 ug/ml
8) T n-Octadecane (C18)	11.103	3001842	22.290 ug/ml
10) T n-Eicosane (C20)	12.406	2883400	21.467 ug/ml
11) T n-Heneicosane (C21)	13.014	2851148	20.986 ug/ml
13) T n-Docosane (C22)	13.597	2806181	20.856 ug/ml
14) T n-Tetracosane (C24)	14.695	2776856	20.565 ug/ml
15) T n-Hexacosane (C26)	15.710	2634888	19.998 ug/ml
16) T n-Octacosane (C28)	16.655	2586171	19.834 ug/ml
17) T n-Tricontane (C30)	17.539	2546071	19.923 ug/ml
18) T n-Dotriacontane (C32)	18.368	2486933	20.211 ug/ml
19) T n-Tetratriacontane (C34)	19.147	2454939	20.964 ug/mlm
20) T n-Hexatriacontane (C36)	19.885	2373465	21.733 ug/ml
21) T n-Octatriacontane (C38)	20.589	2340563	23.239 ug/mlm
22) T n-Tetracontane (C40)	21.416	2370030	24.232 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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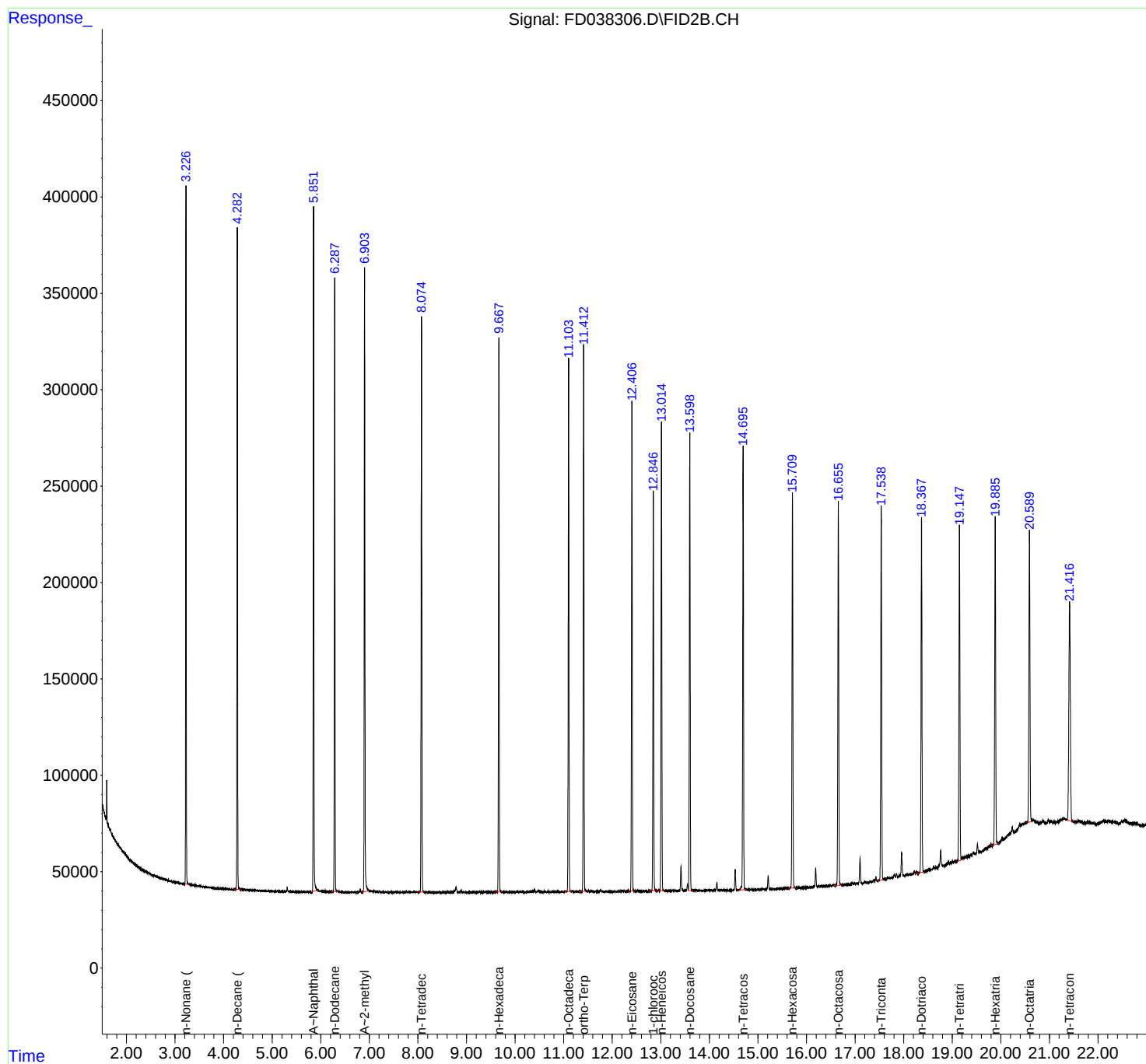
Instrument :
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20 PPM ALIPHATIC HC STD

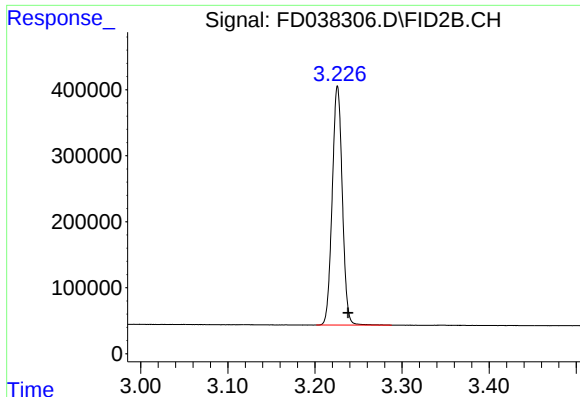
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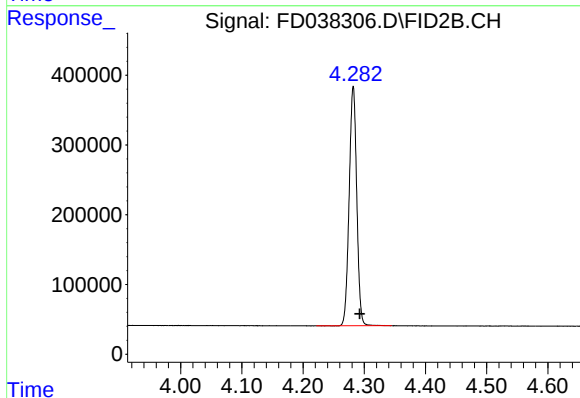
#1 n-Nonane (C9)

R.T.: 3.226 min
Delta R.T.: -0.012 min
Response: 2915126
Conc: 23.99 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

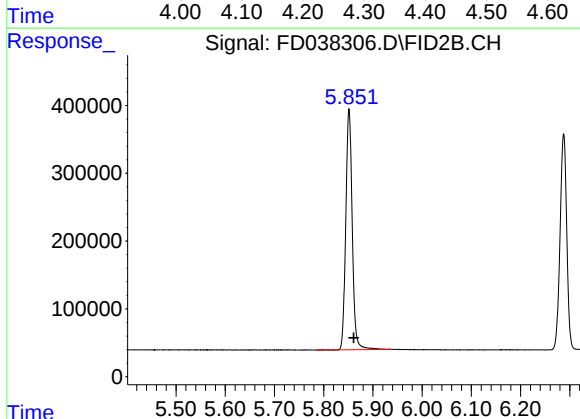
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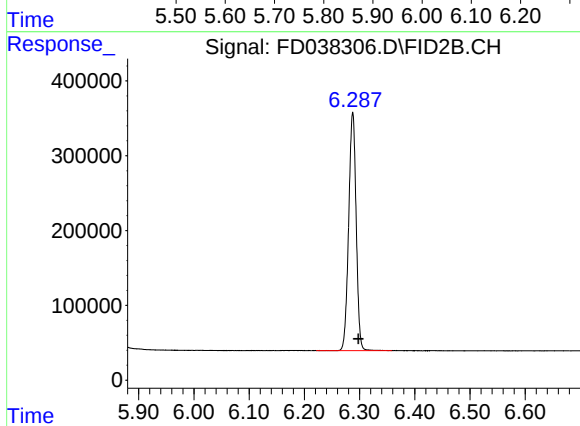
#2 n-Decane (C10)

R.T.: 4.282 min
Delta R.T.: -0.011 min
Response: 2950936
Conc: 24.13 ug/ml



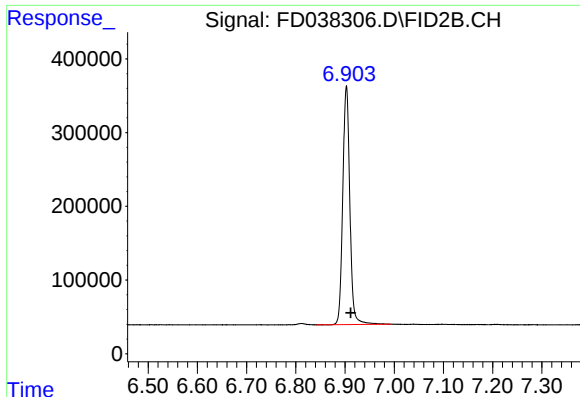
#3 A~Naphthalene (C11.7)

R.T.: 5.852 min
Delta R.T.: -0.010 min
Response: 3232139
Conc: 23.64 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.288 min
Delta R.T.: -0.010 min
Response: 2989414
Conc: 24.00 ug/ml



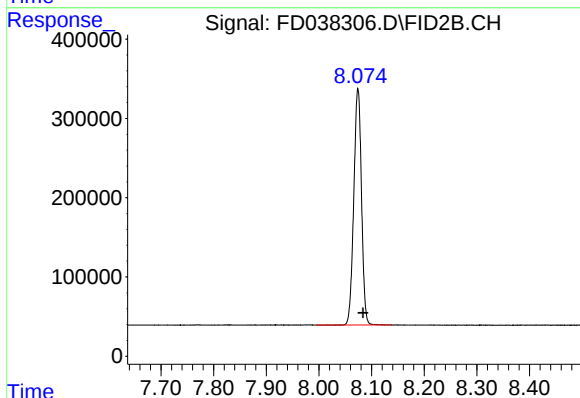
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.903 min
Delta R.T.: -0.009 min
Response: 3230642
Conc: 23.45 ug/ml

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20 PPM ALIPHATIC HC STD

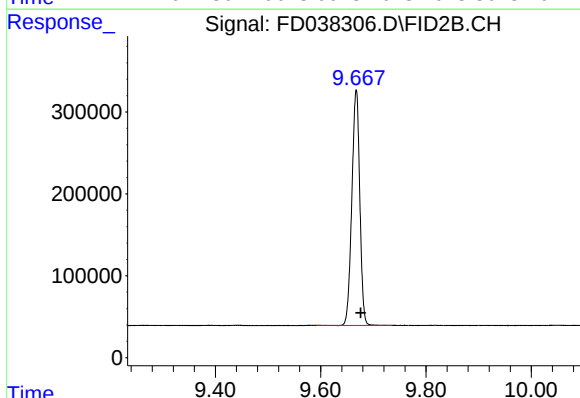
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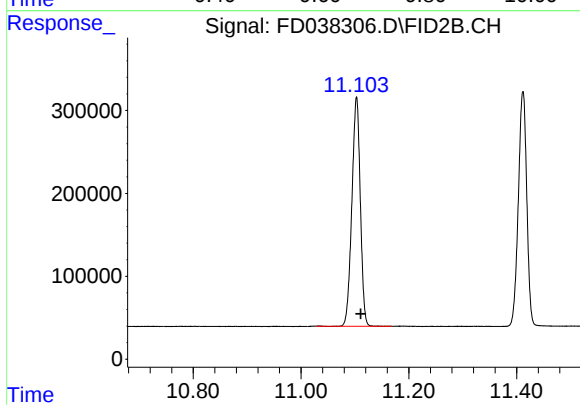
#6 n-Tetradecane (C14)

R.T.: 8.074 min
Delta R.T.: -0.010 min
Response: 3032036
Conc: 23.59 ug/ml



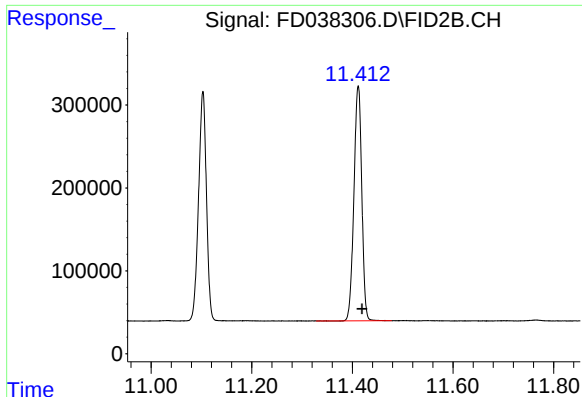
#7 n-Hexadecane (C16)

R.T.: 9.667 min
Delta R.T.: -0.009 min
Response: 3002083
Conc: 23.17 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.103 min
Delta R.T.: -0.008 min
Response: 3001842
Conc: 22.29 ug/ml



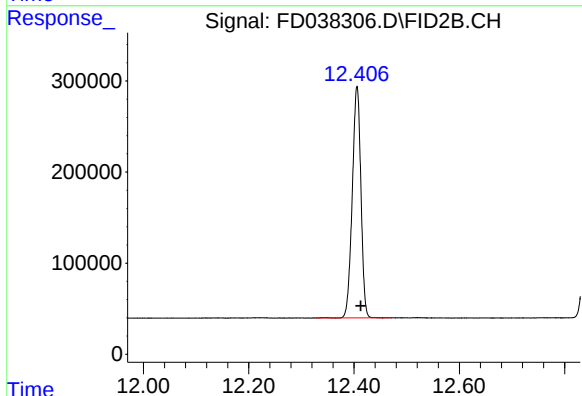
#9 ortho-Terphenyl (SURR)

R.T.: 11.412 min
Delta R.T.: -0.008 min
Response: 3070545
Conc: 21.24 ug/ml

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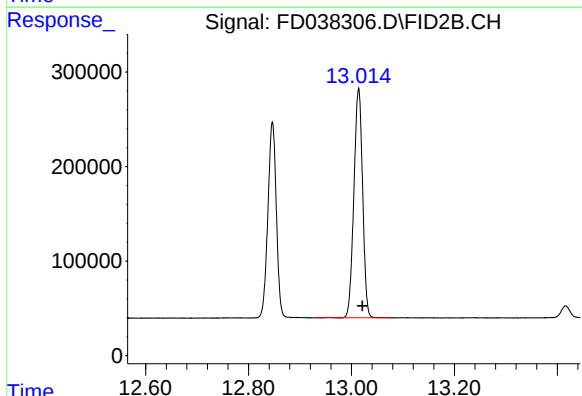
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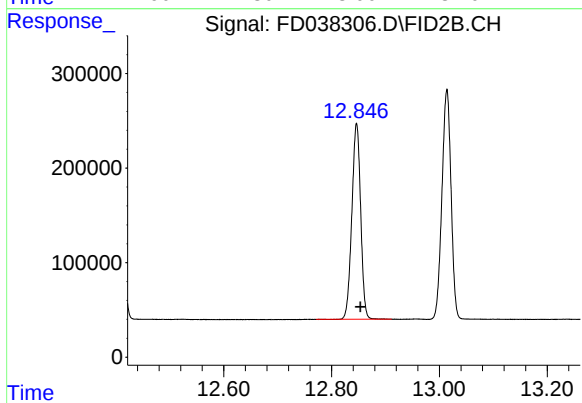
#10 n-Eicosane (C20)

R.T.: 12.406 min
Delta R.T.: -0.007 min
Response: 2883400
Conc: 21.47 ug/ml



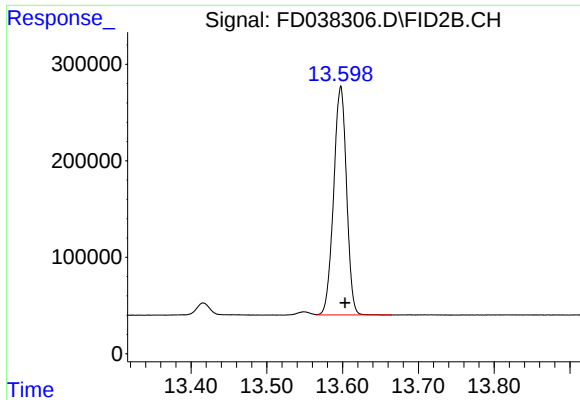
#11 n-Heneicosane (C21)

R.T.: 13.014 min
Delta R.T.: -0.007 min
Response: 2851148
Conc: 20.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.846 min
Delta R.T.: -0.007 min
Response: 2350948
Conc: 20.62 ug/ml



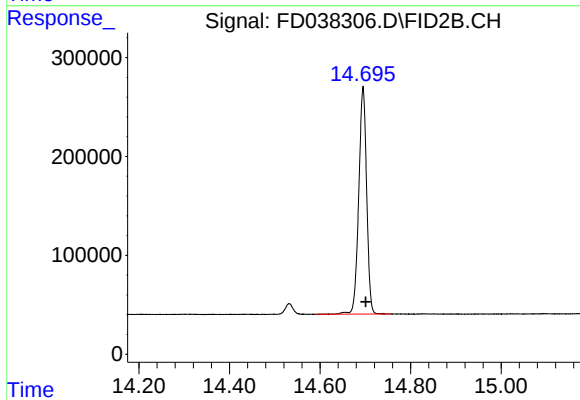
#13 n-Docosane (C22)

R.T.: 13.597 min
Delta R.T.: -0.006 min
Response: 2806181
Conc: 20.86 ug/ml

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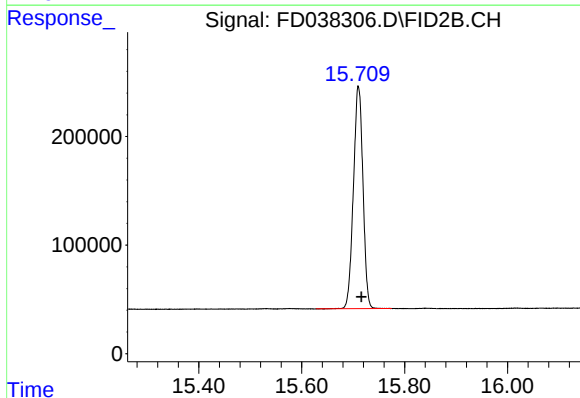
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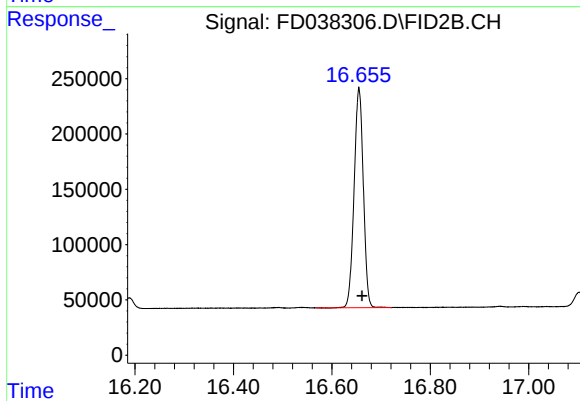
#14 n-Tetracosane (C24)

R.T.: 14.695 min
Delta R.T.: -0.006 min
Response: 2776856
Conc: 20.56 ug/ml



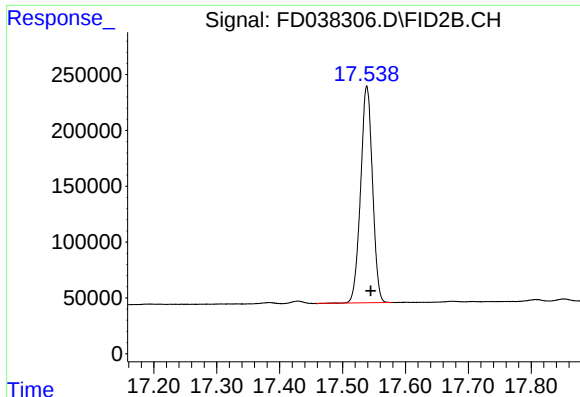
#15 n-Hexacosane (C26)

R.T.: 15.710 min
Delta R.T.: -0.006 min
Response: 2634888
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.655 min
Delta R.T.: -0.006 min
Response: 2586171
Conc: 19.83 ug/ml



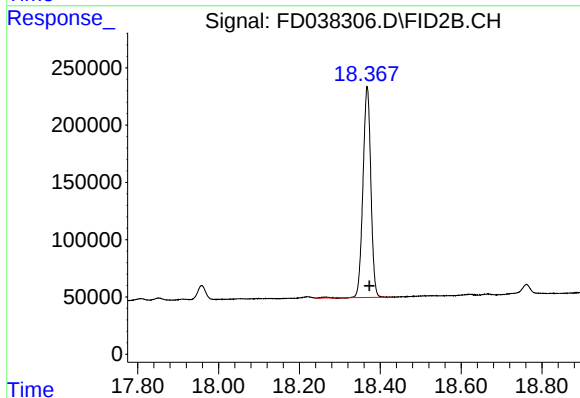
#17 n-Tricontane (C30)

R.T.: 17.539 min
Delta R.T.: -0.006 min
Response: 2546071
Conc: 19.92 ug/ml

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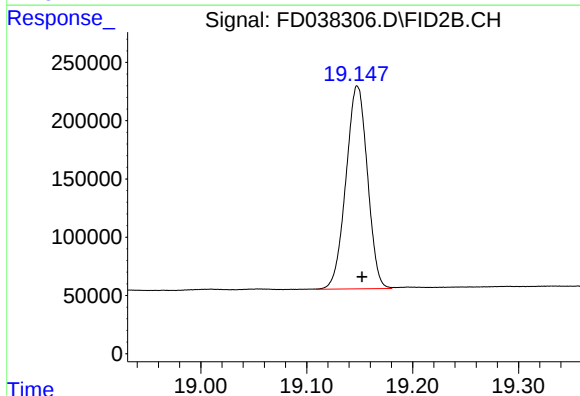
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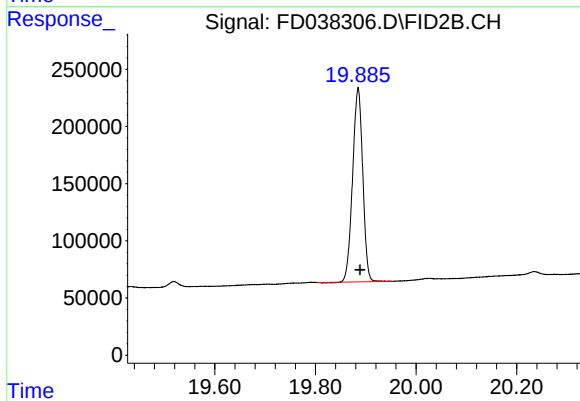
#18 n-Dotriacontane (C32)

R.T.: 18.368 min
Delta R.T.: -0.006 min
Response: 2486933
Conc: 20.21 ug/ml



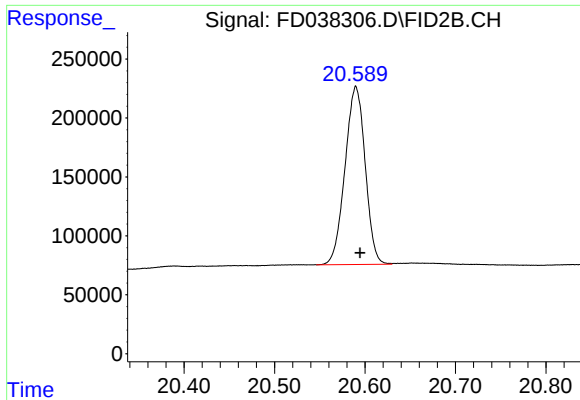
#19 n-Tetratriacontane (C34)

R.T.: 19.147 min
Delta R.T.: -0.005 min
Response: 2454939
Conc: 20.96 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.885 min
Delta R.T.: -0.004 min
Response: 2373465
Conc: 21.73 ug/ml



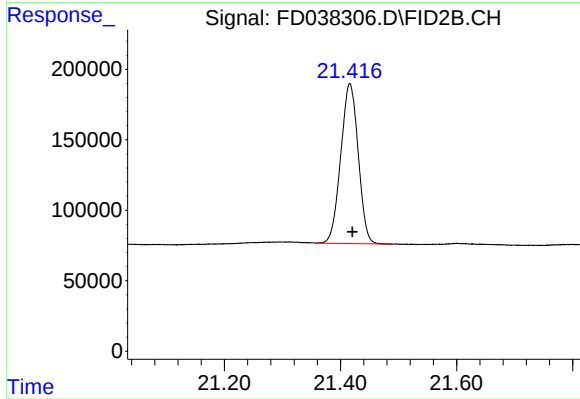
#21 n-Octatriacontane (C38)

R.T.: 20.589 min
Delta R.T.: -0.005 min
Response: 2340563
Conc: 23.24 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.416 min
Delta R.T.: -0.004 min
Response: 2370030
Conc: 24.23 ug/ml