

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051722AL\
 Data File : FD042522.D
 Signal(s) : FID2B.CH
 Acq On : 18 May 2022 1:28
 Operator : UA/NP
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/18/2022
 Supervised By :mohammad ahmed 05/18/2022

Integration File: sample.E
 Quant Time: May 18 02:01:58 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 042122.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 22 01:55:29 2022
 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)	11.203	3397142	20.256 ug/ml
Spiked Amount 50.000		Recovery =	40.51%
12) S 1-chlorooctadecane (S...	12.642	2635798	19.974 ug/ml
Spiked Amount 50.000		Recovery =	39.95%
Target Compounds			
1) T n-Nonane (C9)	3.079	2998884	22.002 ug/ml
2) T n-Decane (C10)	4.122	3003903	22.415 ug/ml
3) T A~Naphthalene (C11.7)	5.673	3155868	21.772 ug/ml
4) T n-Dodecane (C12)	6.116	3137803	22.041 ug/ml
5) T A~2-methylnaphthalene...	6.718	3171867	22.761 ug/ml
6) T n-Tetradecane (C14)	7.891	3168610	22.244 ug/ml
7) T n-Hexadecane (C16)	9.476	3203332	22.044 ug/ml
8) T n-Octadecane (C18)	10.906	3206300	21.393 ug/ml
10) T n-Eicosane (C20)	12.205	3144283	20.542 ug/ml
11) T n-Heneicosane (C21)	12.811	3097677	20.093 ug/ml
13) T n-Docosane (C22)	13.394	3117457	20.224 ug/ml
14) T n-Tetracosane (C24)	14.489	3120695	20.179 ug/ml
15) T n-Hexacosane (C26)	15.504	3049963	19.828 ug/ml
16) T n-Octacosane (C28)	16.447	3067876	20.066 ug/ml
17) T n-Tricontane (C30)	17.329	3054162	20.361 ug/ml
18) T n-Dotriacontane (C32)	18.157	2869427	20.293 ug/ml
19) T n-Tetratriacontane (C34)	18.936	2630522	20.441 ug/ml
20) T n-Hexatriacontane (C36)	19.673	2362868	20.881 ug/mlm
21) T n-Octatriacontane (C38)	20.367	2266044	22.711 ug/mlm
22) T n-Tetracontane (C40)	21.141	2156313	23.906 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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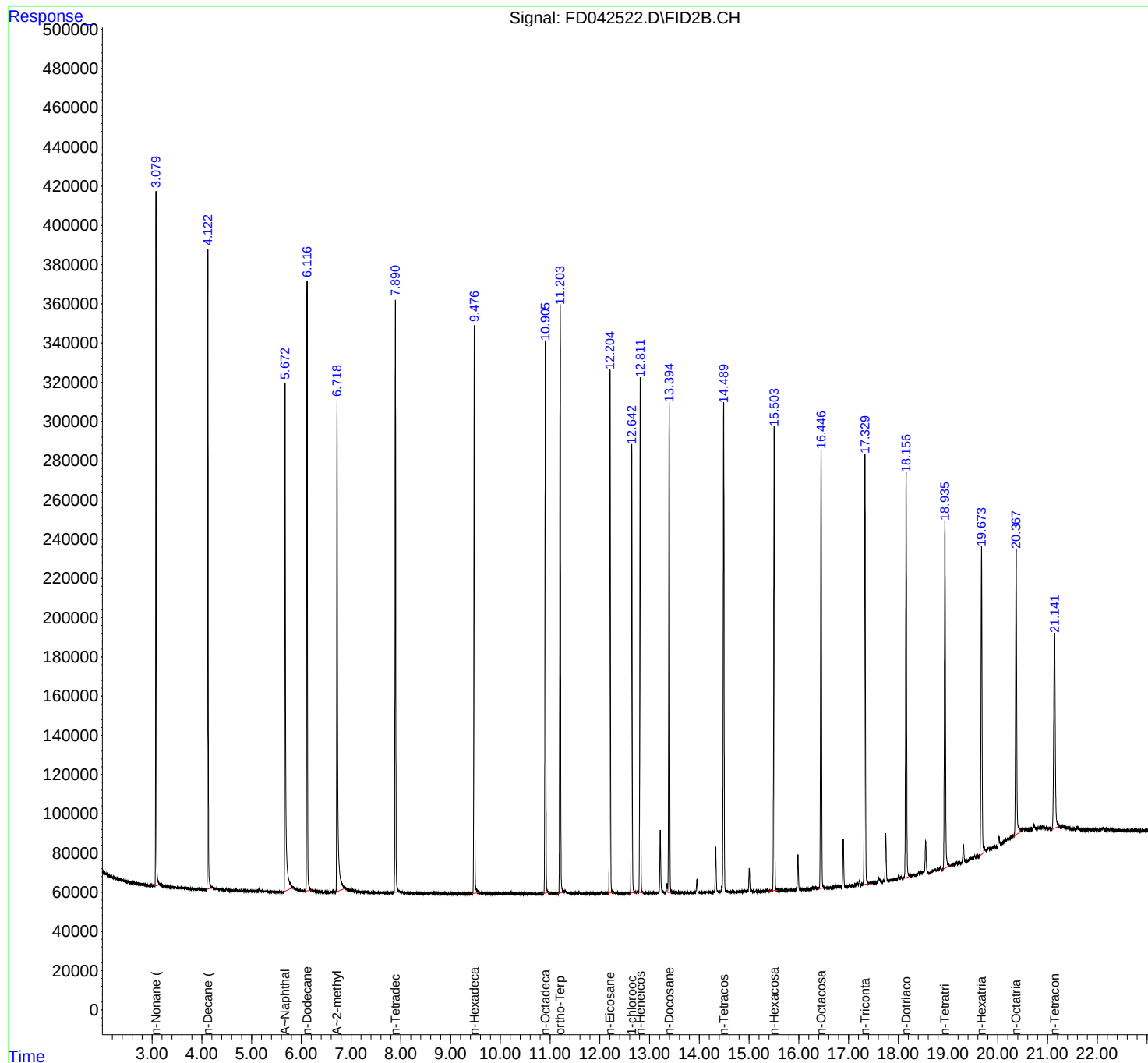
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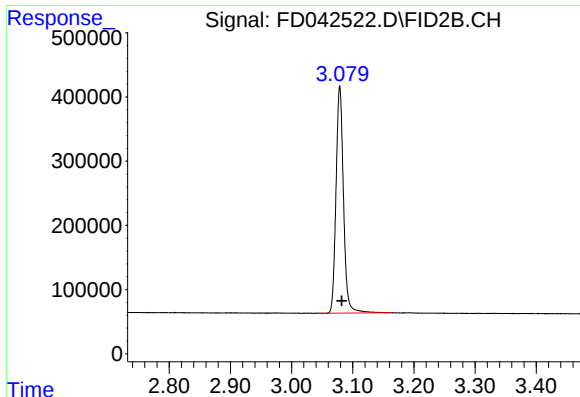
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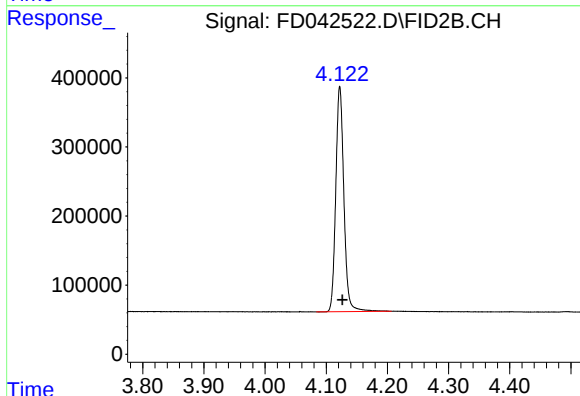
#1 n-Nonane (C9)

R.T.: 3.079 min
Delta R.T.: -0.003 min
Response: 2998884
Conc: 22.00 ug/ml

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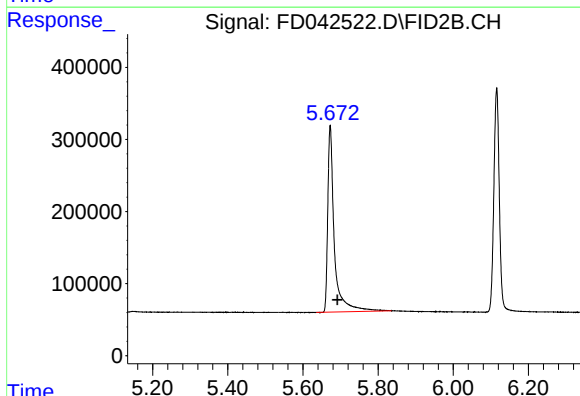
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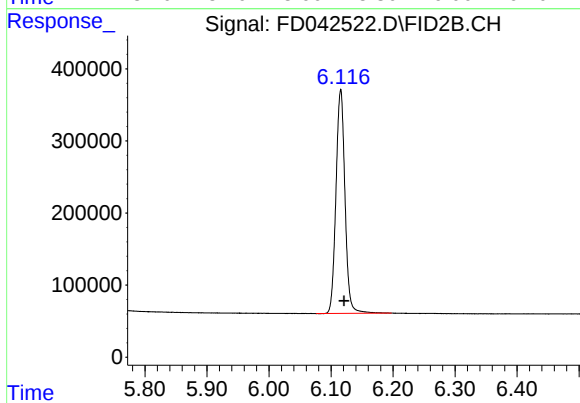
#2 n-Decane (C10)

R.T.: 4.122 min
Delta R.T.: -0.004 min
Response: 3003903
Conc: 22.41 ug/ml



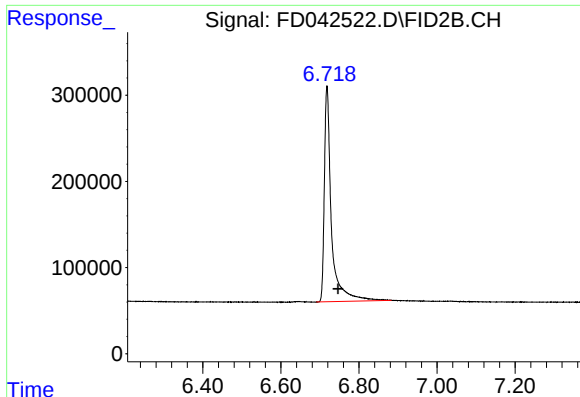
#3 A~Naphthalene (C11.7)

R.T.: 5.673 min
Delta R.T.: -0.018 min
Response: 3155868
Conc: 21.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.116 min
Delta R.T.: -0.005 min
Response: 3137803
Conc: 22.04 ug/ml



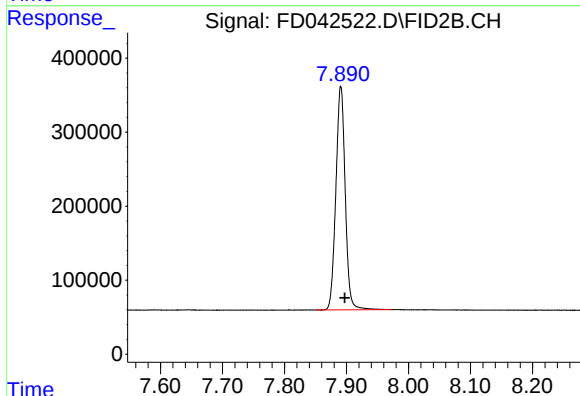
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.718 min
Delta R.T.: -0.028 min
Response: 3171867
Conc: 22.76 ug/ml

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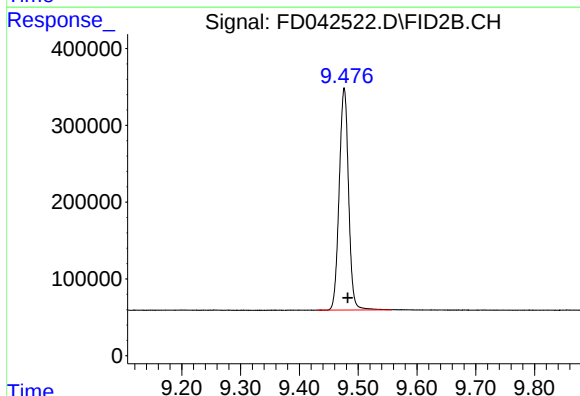
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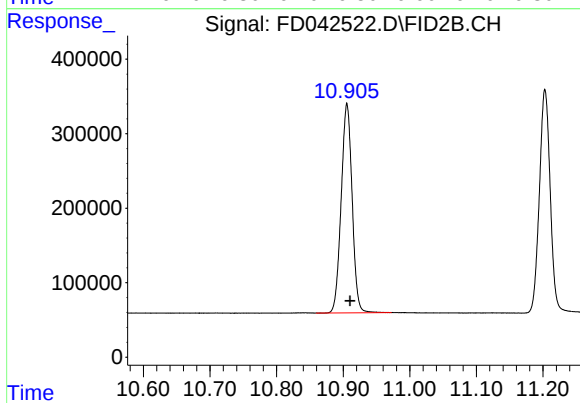
#6 n-Tetradecane (C14)

R.T.: 7.891 min
Delta R.T.: -0.006 min
Response: 3168610
Conc: 22.24 ug/ml



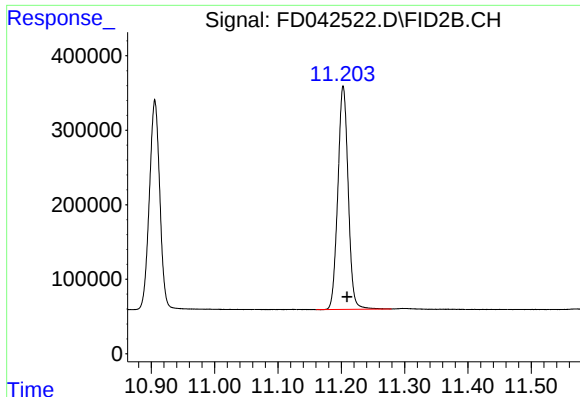
#7 n-Hexadecane (C16)

R.T.: 9.476 min
Delta R.T.: -0.006 min
Response: 3203332
Conc: 22.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.906 min
Delta R.T.: -0.005 min
Response: 3206300
Conc: 21.39 ug/ml



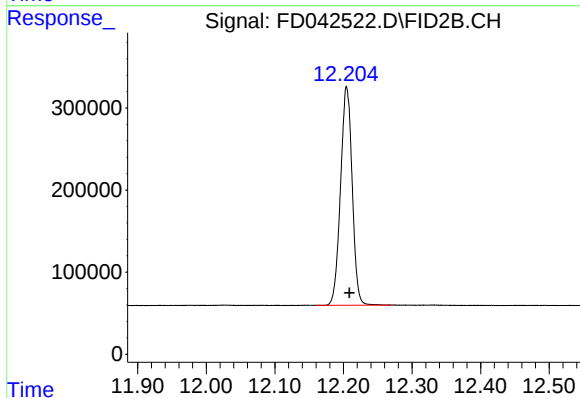
#9 ortho-Terphenyl (SURR)

R.T.: 11.203 min
Delta R.T.: -0.006 min
Response: 3397142
Conc: 20.26 ug/ml

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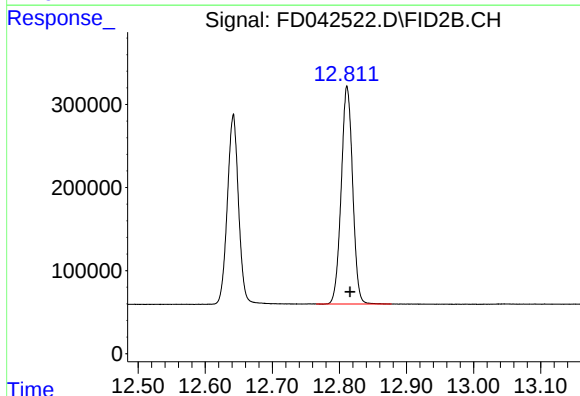
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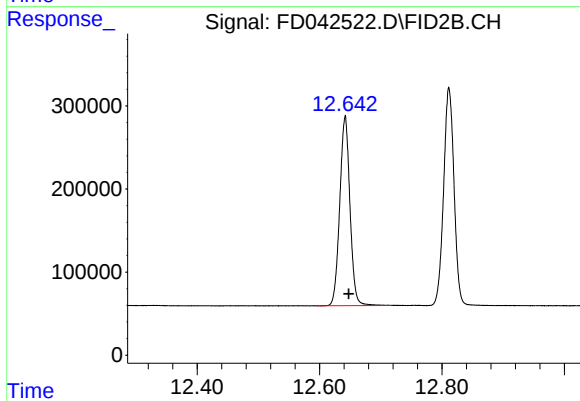
#10 n-Eicosane (C20)

R.T.: 12.205 min
Delta R.T.: -0.004 min
Response: 3144283
Conc: 20.54 ug/ml



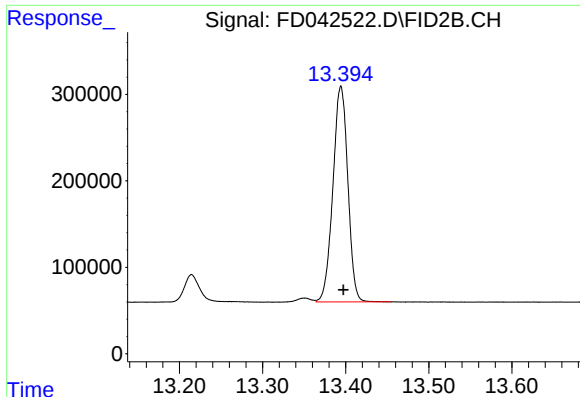
#11 n-Heneicosane (C21)

R.T.: 12.811 min
Delta R.T.: -0.005 min
Response: 3097677
Conc: 20.09 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.642 min
Delta R.T.: -0.006 min
Response: 2635798
Conc: 19.97 ug/ml



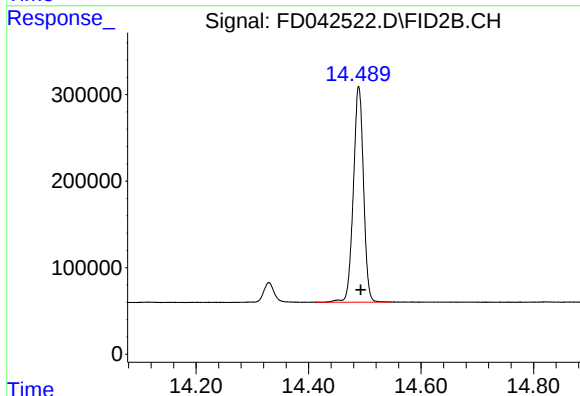
#13 n-Docosane (C22)

R.T.: 13.394 min
Delta R.T.: -0.003 min
Response: 3117457
Conc: 20.22 ug/ml

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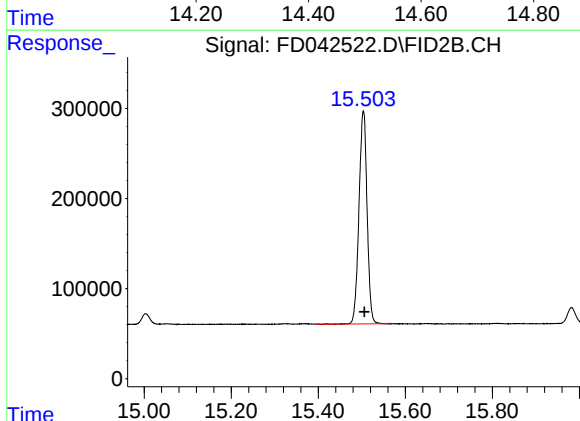
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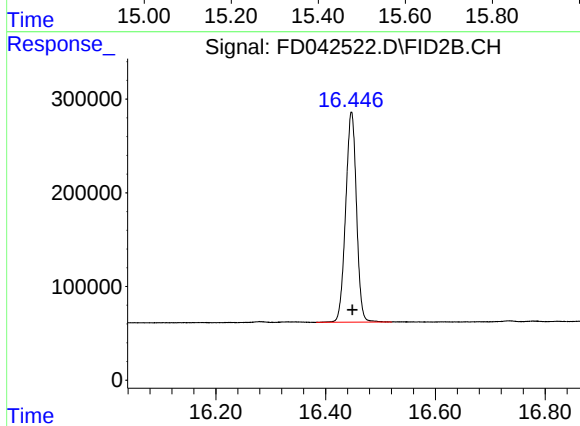
#14 n-Tetracosane (C24)

R.T.: 14.489 min
Delta R.T.: -0.004 min
Response: 3120695
Conc: 20.18 ug/ml



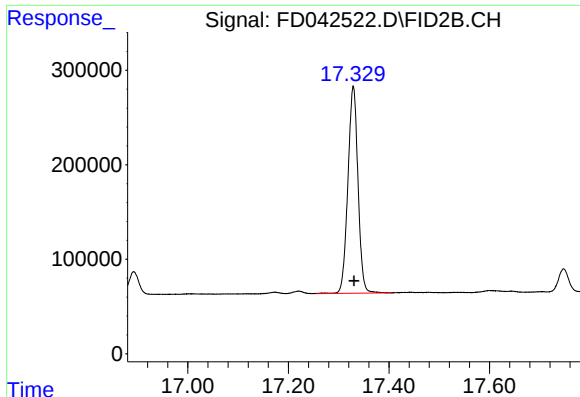
#15 n-Hexacosane (C26)

R.T.: 15.504 min
Delta R.T.: -0.002 min
Response: 3049963
Conc: 19.83 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.447 min
Delta R.T.: -0.002 min
Response: 3067876
Conc: 20.07 ug/ml



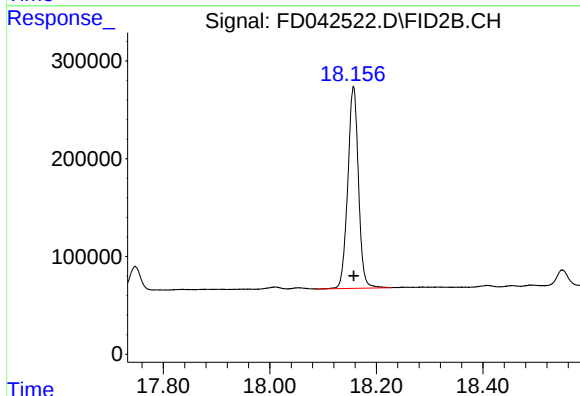
#17 n-Tricontane (C30)

R.T.: 17.329 min
Delta R.T.: -0.002 min
Response: 3054162
Conc: 20.36 ug/ml

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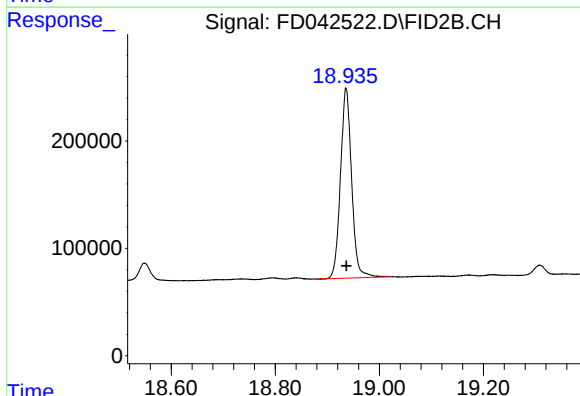
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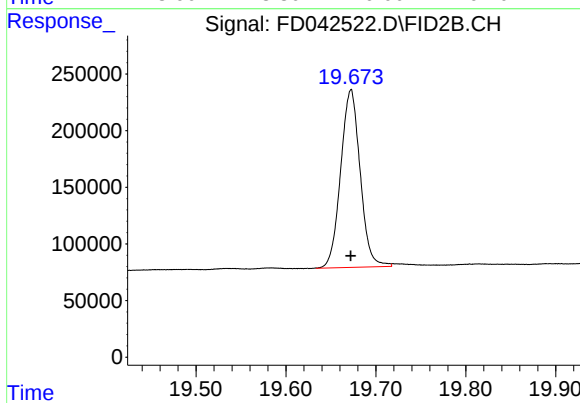
#18 n-Dotriacontane (C32)

R.T.: 18.157 min
Delta R.T.: 0.000 min
Response: 2869427
Conc: 20.29 ug/ml



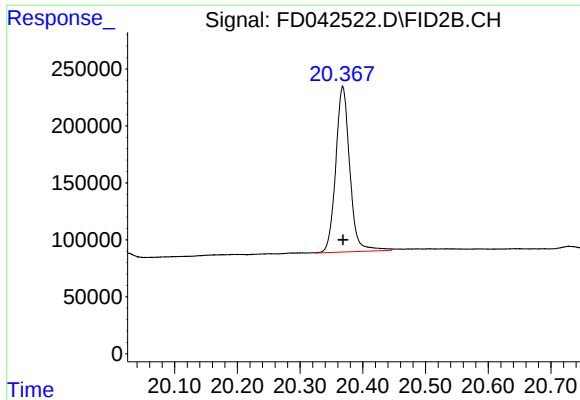
#19 n-Tetratriacontane (C34)

R.T.: 18.936 min
Delta R.T.: 0.000 min
Response: 2630522
Conc: 20.44 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.673 min
Delta R.T.: 0.000 min
Response: 2362868
Conc: 20.88 ug/ml m



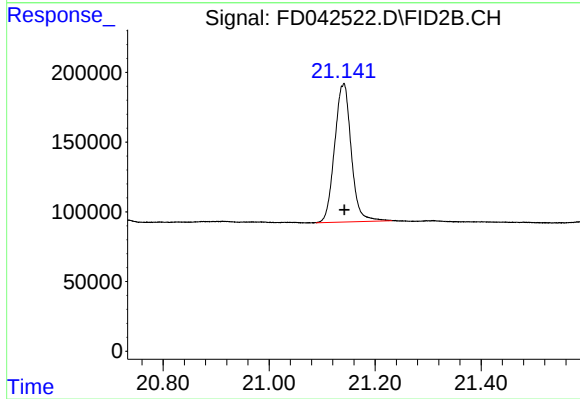
#21 n-Octatriacontane (C38)

R.T.: 20.367 min
Delta R.T.: -0.001 min
Response: 2266044
Conc: 22.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.141 min
Delta R.T.: -0.001 min
Response: 2156313
Conc: 23.91 ug/ml m