

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051222AL\
 Data File : FD042433.D
 Signal(s) : FID2B.CH
 Acq On : 13 May 2022 4:18
 Operator : UA/NP
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/17/2022
 Supervised By :mohammad ahmed 05/17/2022

Integration File: autoint1.e
 Quant Time: May 13 06:47:29 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)	11.204	3225264	19.231 ug/ml
Spiked Amount 50.000		Recovery =	38.46%
12) S 1-chlorooctadecane (S...	12.642	2500815	18.951 ug/ml
Spiked Amount 50.000		Recovery =	37.90%
Target Compounds			
1) T n-Nonane (C9)	3.082	2759611	20.246 ug/ml
2) T n-Decane (C10)	4.125	2797962	20.878 ug/ml
3) T A~Naphthalene (C11.7)	5.676	2941748	20.294 ug/ml
4) T n-Dodecane (C12)	6.118	2928091	20.567 ug/ml
5) T A~2-methylnaphthalene...	6.721	2936488	21.072 ug/ml
6) T n-Tetradecane (C14)	7.893	2964700	20.813 ug/ml
7) T n-Hexadecane (C16)	9.479	3006503	20.689 ug/ml
8) T n-Octadecane (C18)	10.907	3022153	20.165 ug/ml
10) T n-Eicosane (C20)	12.206	2955703	19.310 ug/ml
11) T n-Heneicosane (C21)	12.813	2932395	19.021 ug/ml
13) T n-Docosane (C22)	13.395	2902135	18.827 ug/ml
14) T n-Tetracosane (C24)	14.490	2833046	18.319 ug/ml
15) T n-Hexacosane (C26)	15.505	2748645	17.869 ug/ml
16) T n-Octacosane (C28)	16.448	2752269	18.001 ug/ml
17) T n-Tricontane (C30)	17.330	2816118	18.774 ug/ml
18) T n-Dotriacontane (C32)	18.156	2730894	19.313 ug/ml
19) T n-Tetratriacontane (C34)	18.936	2518223	19.568 ug/ml
20) T n-Hexatriacontane (C36)	19.672	2320024	20.502 ug/ml
21) T n-Octatriacontane (C38)	20.367	2205825	22.108 ug/mlm
22) T n-Tetracontane (C40)	21.138	2197795	24.366 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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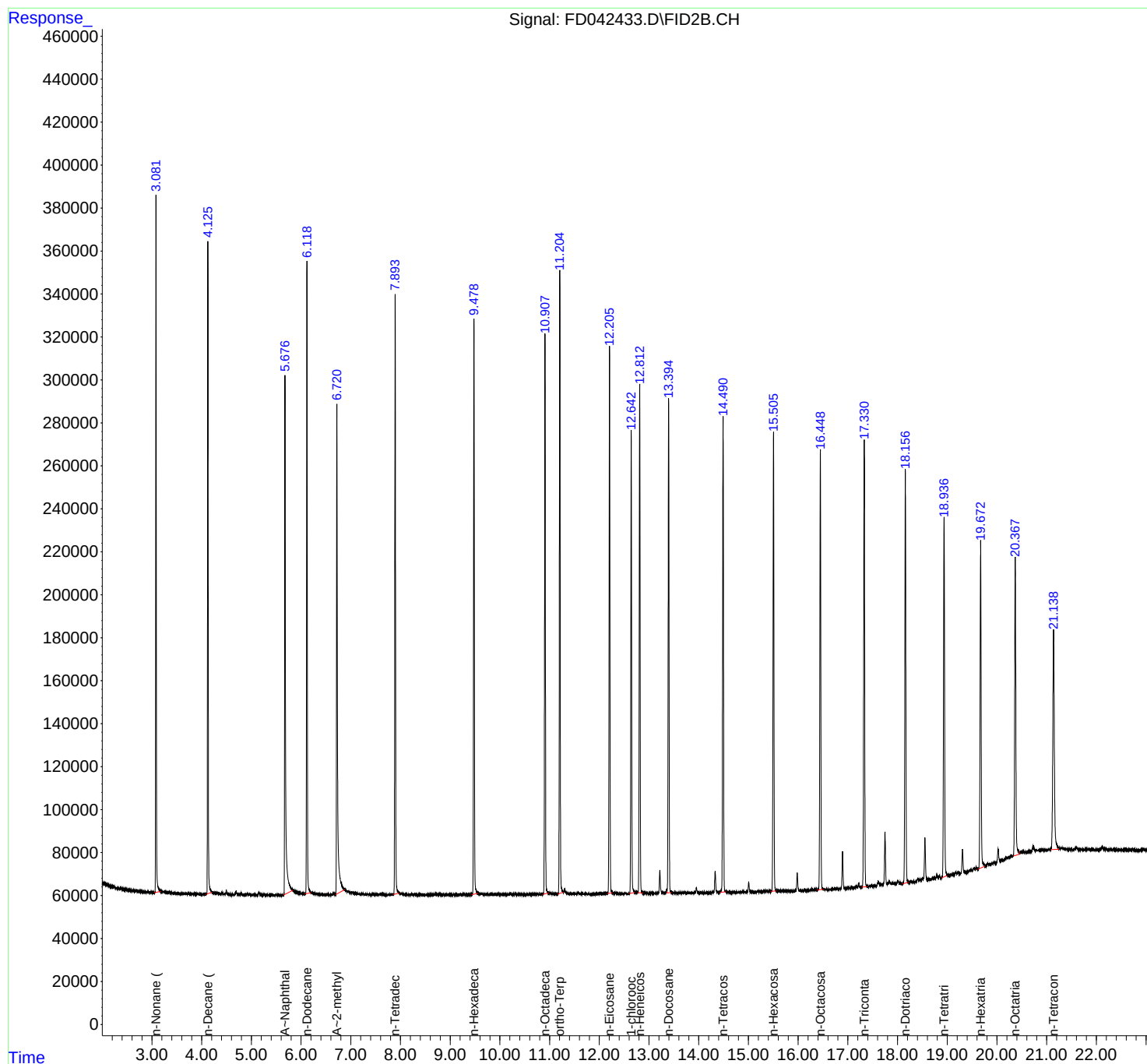
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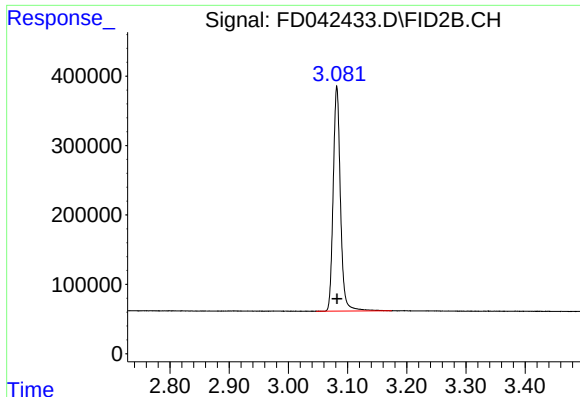
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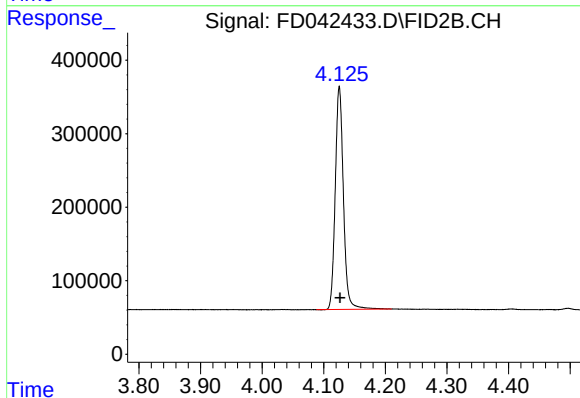
#1 n-Nonane (C9)

R.T.: 3.082 min
Delta R.T.: 0.000 min
Response: 2759611
Conc: 20.25 ug/ml

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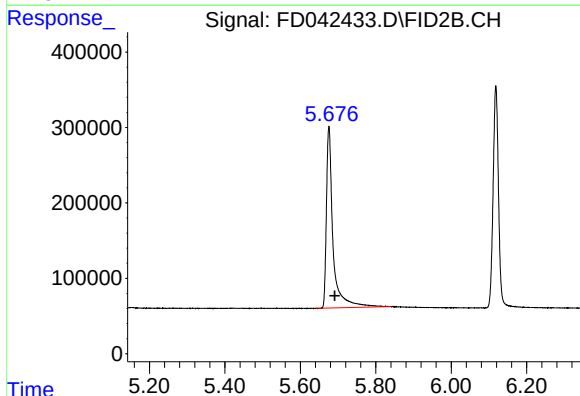
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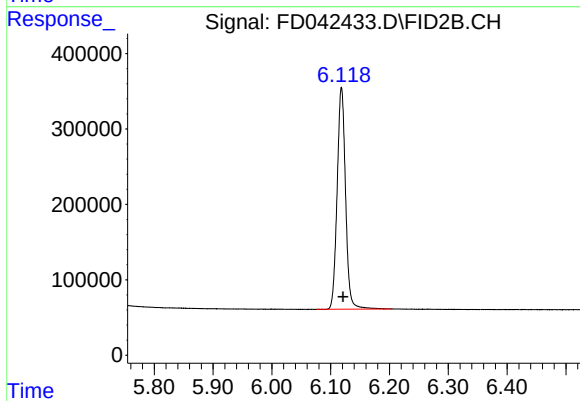
#2 n-Decane (C10)

R.T.: 4.125 min
Delta R.T.: -0.001 min
Response: 2797962
Conc: 20.88 ug/ml



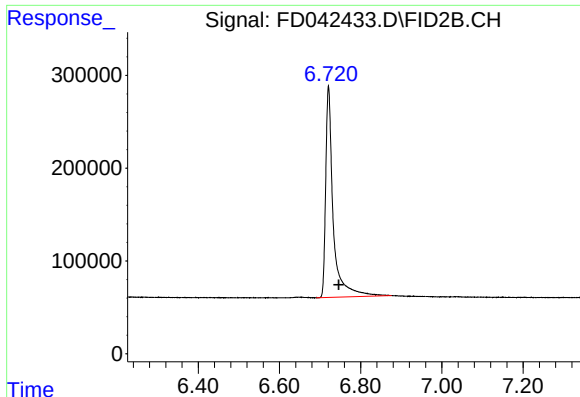
#3 A~Naphthalene (C11.7)

R.T.: 5.676 min
Delta R.T.: -0.015 min
Response: 2941748
Conc: 20.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.118 min
Delta R.T.: -0.003 min
Response: 2928091
Conc: 20.57 ug/ml



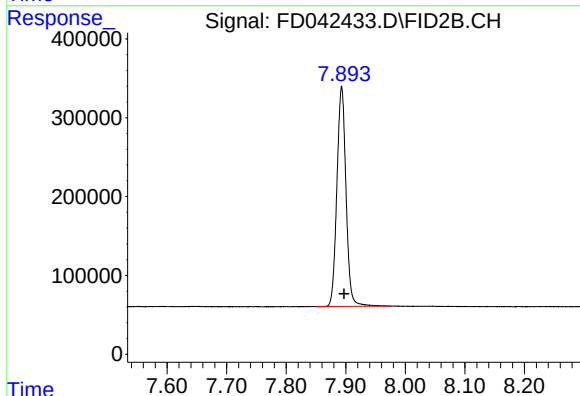
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.721 min
Delta R.T.: -0.025 min
Response: 2936488
Conc: 21.07 ug/ml

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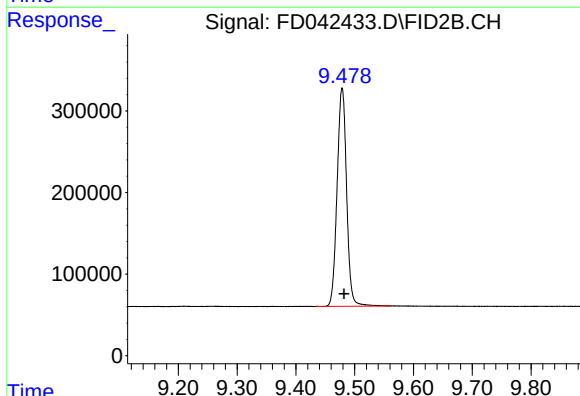
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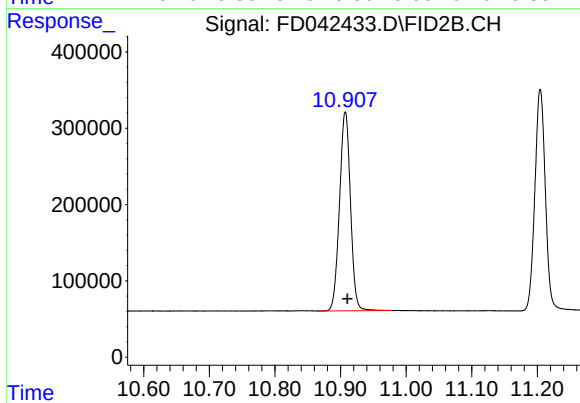
#6 n-Tetradecane (C14)

R.T.: 7.893 min
Delta R.T.: -0.004 min
Response: 2964700
Conc: 20.81 ug/ml



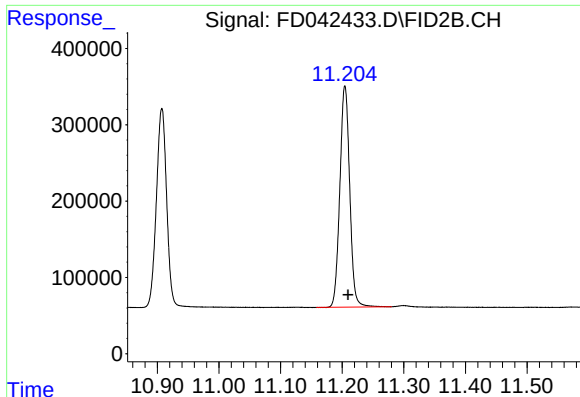
#7 n-Hexadecane (C16)

R.T.: 9.479 min
Delta R.T.: -0.003 min
Response: 3006503
Conc: 20.69 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.907 min
Delta R.T.: -0.003 min
Response: 3022153
Conc: 20.16 ug/ml



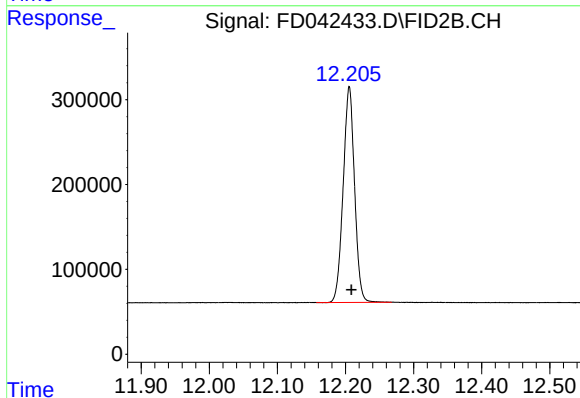
#9 ortho-Terphenyl (SURR)

R.T.: 11.204 min
Delta R.T.: -0.005 min
Response: 3225264
Conc: 19.23 ug/ml

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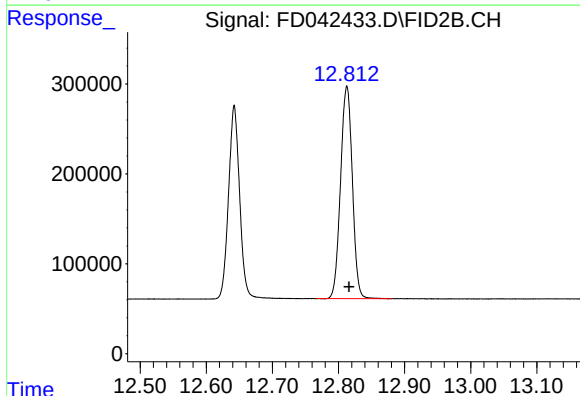
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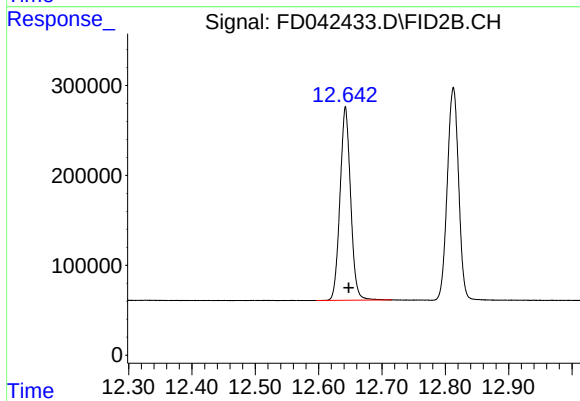
#10 n-Eicosane (C20)

R.T.: 12.206 min
Delta R.T.: -0.003 min
Response: 2955703
Conc: 19.31 ug/ml



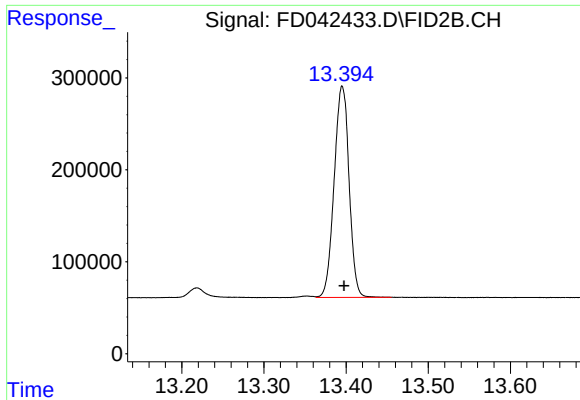
#11 n-Heneicosane (C21)

R.T.: 12.813 min
Delta R.T.: -0.003 min
Response: 2932395
Conc: 19.02 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.642 min
Delta R.T.: -0.005 min
Response: 2500815
Conc: 18.95 ug/ml



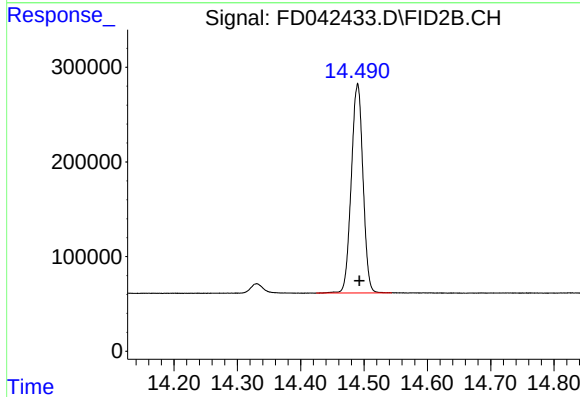
#13 n-Docosane (C22)

R.T.: 13.395 min
Delta R.T.: -0.002 min
Response: 2902135
Conc: 18.83 ug/ml

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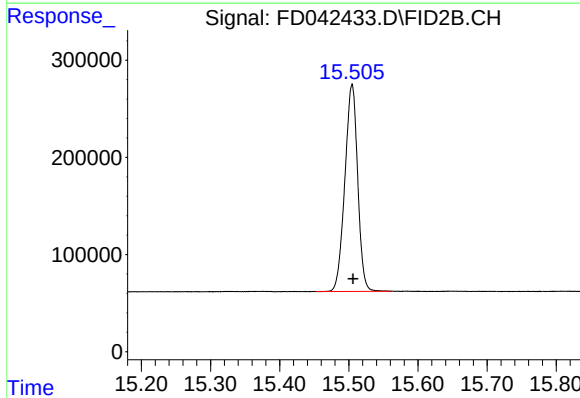
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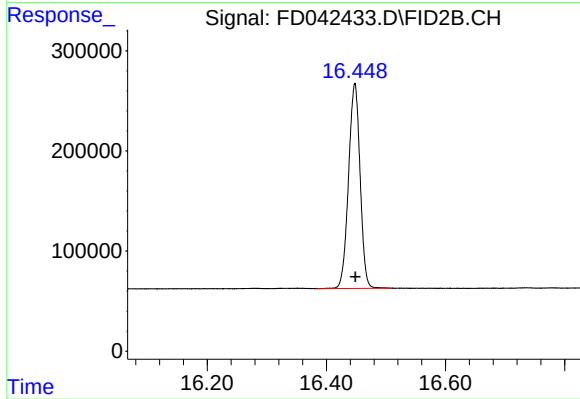
#14 n-Tetracosane (C24)

R.T.: 14.490 min
Delta R.T.: -0.003 min
Response: 2833046
Conc: 18.32 ug/ml



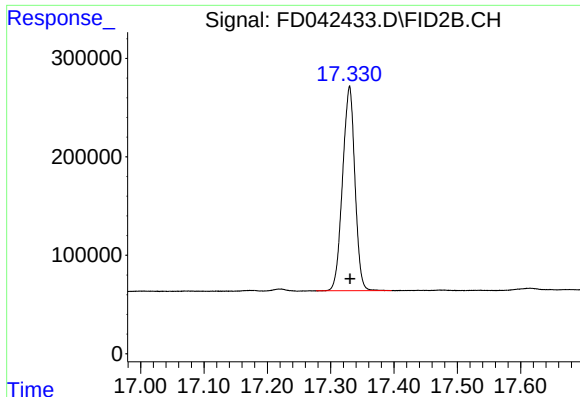
#15 n-Hexacosane (C26)

R.T.: 15.505 min
Delta R.T.: -0.002 min
Response: 2748645
Conc: 17.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.448 min
Delta R.T.: 0.000 min
Response: 2752269
Conc: 18.00 ug/ml



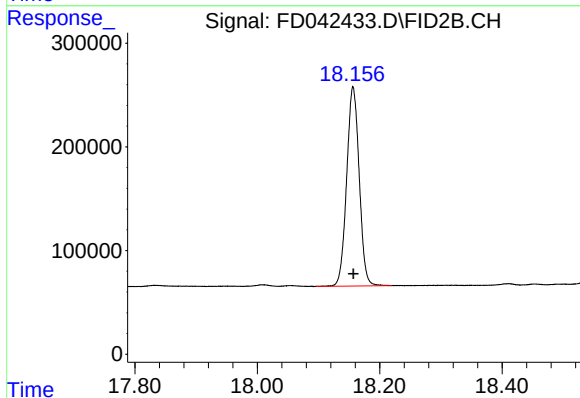
#17 n-Tricontane (C30)

R.T.: 17.330 min
Delta R.T.: 0.000 min
Response: 2816118
Conc: 18.77 ug/ml

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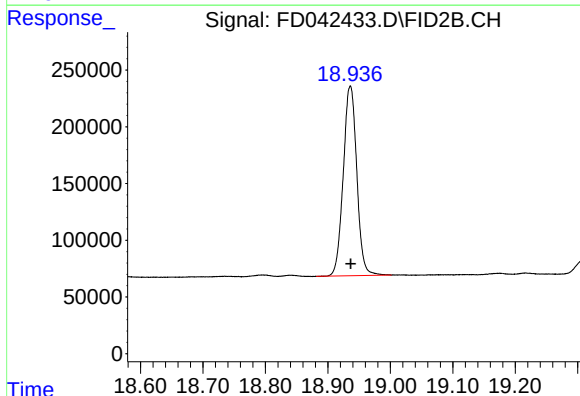
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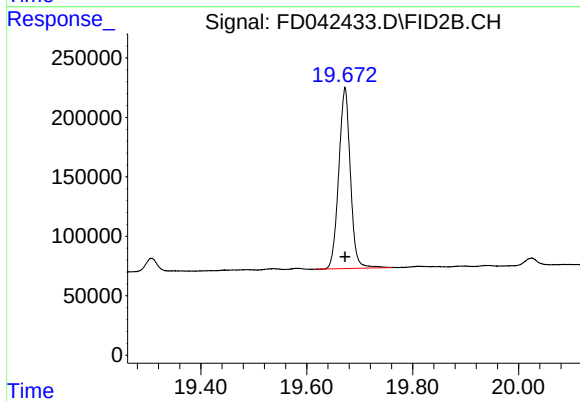
#18 n-Dotriacontane (C32)

R.T.: 18.156 min
Delta R.T.: 0.000 min
Response: 2730894
Conc: 19.31 ug/ml



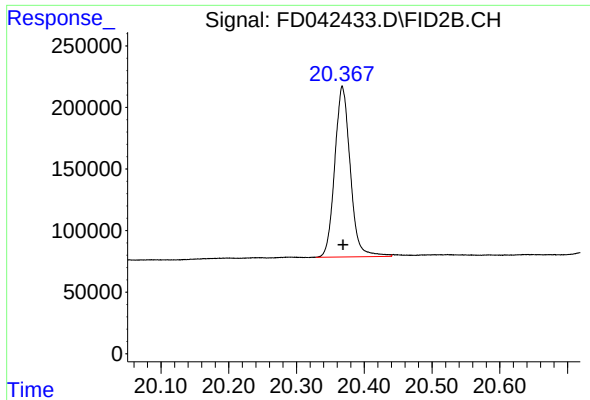
#19 n-Tetratriacontane (C34)

R.T.: 18.936 min
Delta R.T.: 0.000 min
Response: 2518223
Conc: 19.57 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.672 min
Delta R.T.: 0.000 min
Response: 2320024
Conc: 20.50 ug/ml



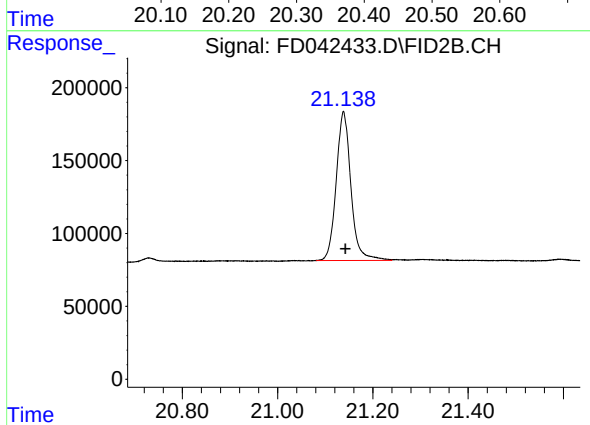
#21 n-Octatriacontane (C38)

R.T.: 20.367 min
Delta R.T.: -0.001 min
Response: 2205825
Conc: 22.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.138 min
Delta R.T.: -0.004 min
Response: 2197795
Conc: 24.37 ug/ml m