

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041222AL\
 Data File : FD041944.D
 Signal(s) : FID2B.CH
 Acq On : 12 Apr 2022 11:32
 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 04/13/2022
 Supervised By :mohammad ahmed 04/13/2022

Integration File: sample.E
 Quant Time: Apr 13 02:31:37 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 032222.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 23 05:05:55 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)	11.217	3677360	20.737 ug/ml
Spiked Amount 50.000		Recovery =	41.47%
12) S 1-chlorooctadecane (S...	12.656	2854555	20.615 ug/ml
Spiked Amount 50.000		Recovery =	41.23%
Target Compounds			
1) T n-Nonane (C9)	3.086	3297736	22.418 ug/ml
2) T n-Decane (C10)	4.130	3291816	22.543 ug/ml
3) T A~Naphthalene (C11.7)	5.681	3498754	22.399 ug/ml
4) T n-Dodecane (C12)	6.126	3403787	22.596 ug/ml
5) T A~2-methylnaphthalene...	6.727	3475981	22.346 ug/ml
6) T n-Tetradecane (C14)	7.902	3428351	22.507 ug/ml
7) T n-Hexadecane (C16)	9.489	3448353	22.364 ug/ml
8) T n-Octadecane (C18)	10.919	3457810	21.947 ug/ml
10) T n-Eicosane (C20)	12.218	3377799	21.352 ug/ml
11) T n-Heneicosane (C21)	12.826	3344771	20.887 ug/ml
13) T n-Docosane (C22)	13.408	3319055	20.665 ug/ml
14) T n-Tetracosane (C24)	14.505	3238712	20.036 ug/ml
15) T n-Hexacosane (C26)	15.518	3104059	19.219 ug/ml
16) T n-Octacosane (C28)	16.462	3028153	18.812 ug/ml
17) T n-Tricontane (C30)	17.345	2941316	18.664 ug/ml
18) T n-Dotriacontane (C32)	18.172	2776379	18.710 ug/ml
19) T n-Tetratriacontane (C34)	18.952	2602980	19.427 ug/ml
20) T n-Hexatriacontane (C36)	19.686	2405704	20.091 ug/mlm
21) T n-Octatriacontane (C38)	20.381	2306452	20.839 ug/mlm
22) T n-Tetracontane (C40)	21.159	2294670	21.313 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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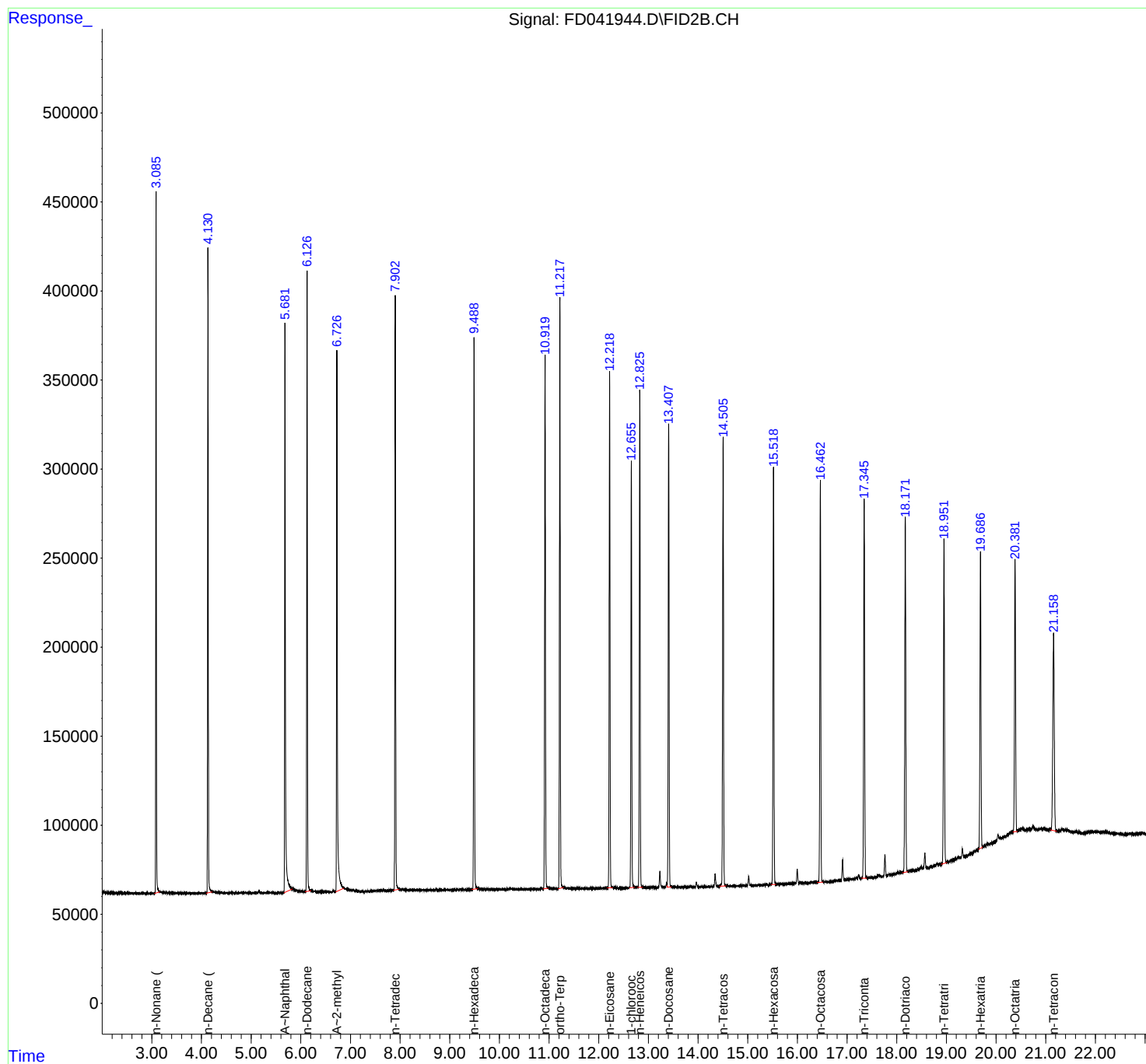
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20 PPM ALIPHATIC HC STD

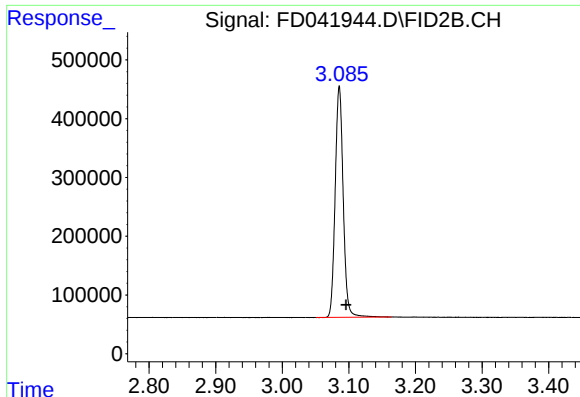
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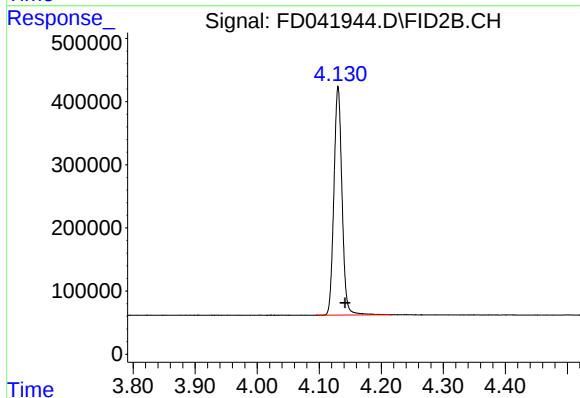
#1 n-Nonane (C9)

R.T.: 3.086 min
Delta R.T.: -0.010 min
Response: 3297736
Conc: 22.42 ug/ml

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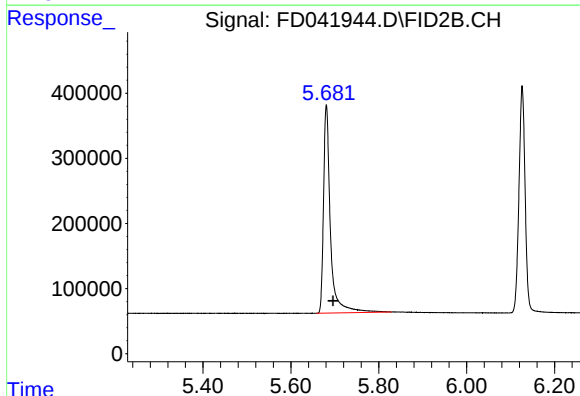
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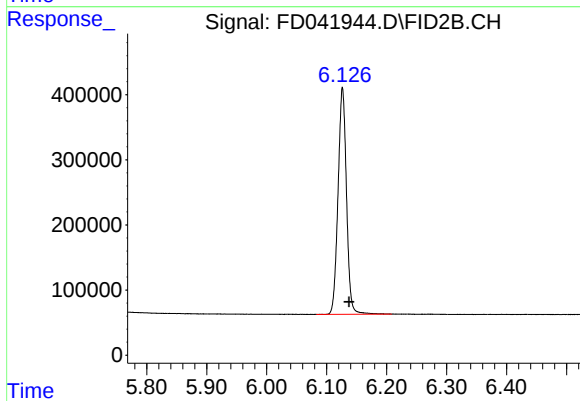
#2 n-Decane (C10)

R.T.: 4.130 min
Delta R.T.: -0.011 min
Response: 3291816
Conc: 22.54 ug/ml



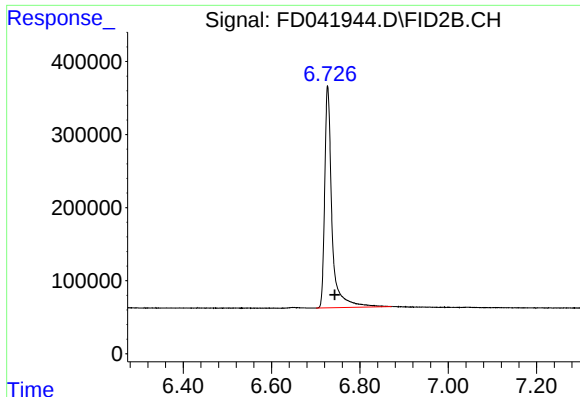
#3 A~Naphthalene (C11.7)

R.T.: 5.681 min
Delta R.T.: -0.016 min
Response: 3498754
Conc: 22.40 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.126 min
Delta R.T.: -0.011 min
Response: 3403787
Conc: 22.60 ug/ml



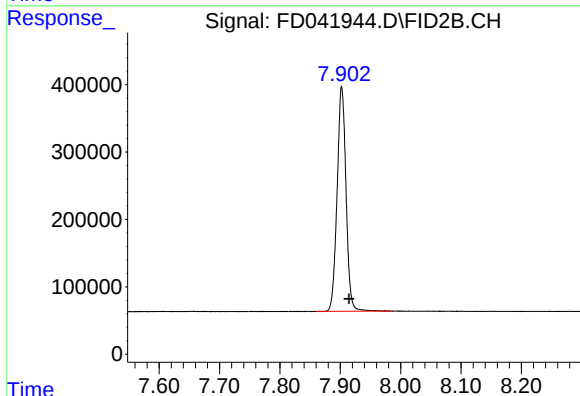
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.727 min
Delta R.T.: -0.016 min
Response: 3475981
Conc: 22.35 ug/ml

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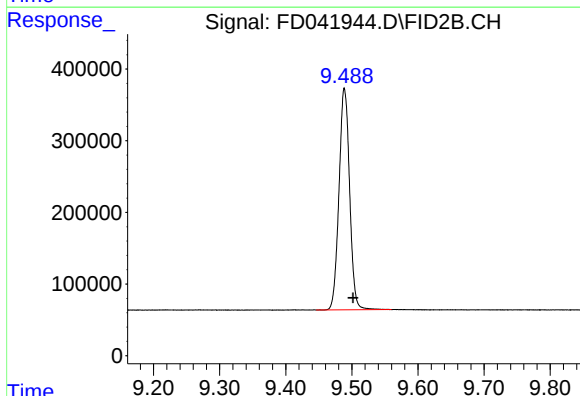
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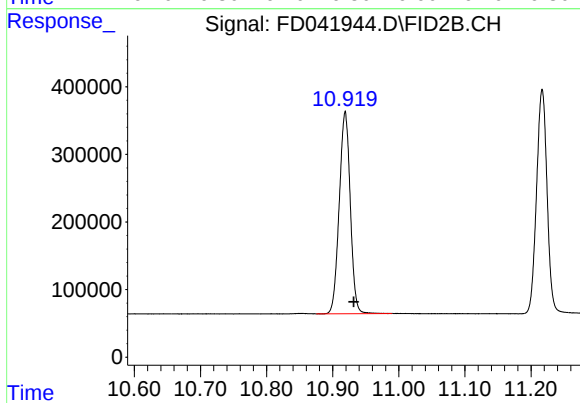
#6 n-Tetradecane (C14)

R.T.: 7.902 min
Delta R.T.: -0.012 min
Response: 3428351
Conc: 22.51 ug/ml



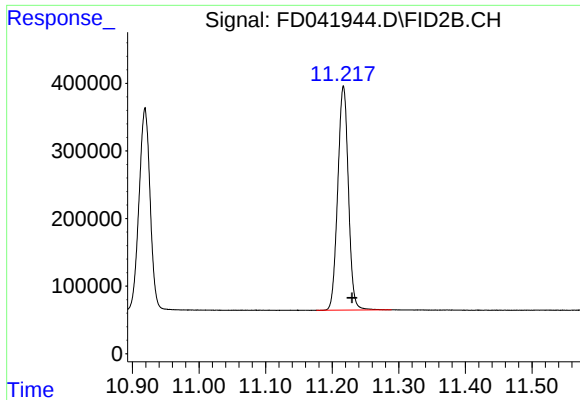
#7 n-Hexadecane (C16)

R.T.: 9.489 min
Delta R.T.: -0.013 min
Response: 3448353
Conc: 22.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.919 min
Delta R.T.: -0.013 min
Response: 3457810
Conc: 21.95 ug/ml



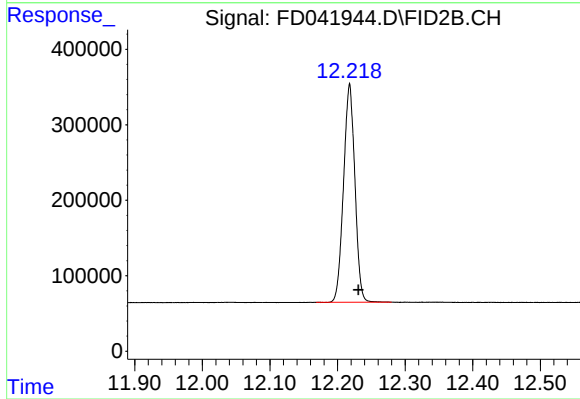
#9 ortho-Terphenyl (SURR)

R.T.: 11.217 min
Delta R.T.: -0.013 min
Response: 3677360
Conc: 20.74 ug/ml

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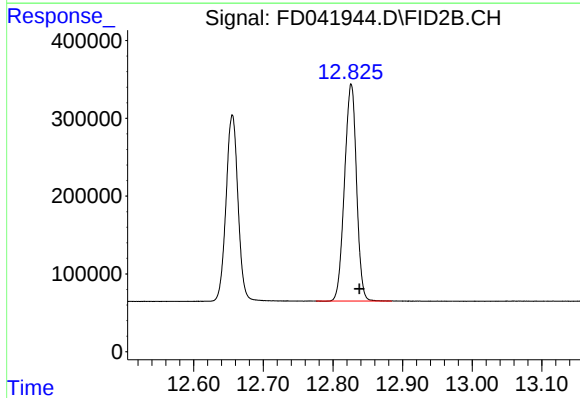
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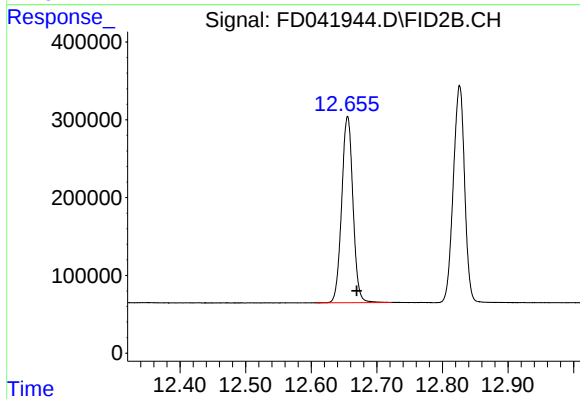
#10 n-Eicosane (C20)

R.T.: 12.218 min
Delta R.T.: -0.013 min
Response: 3377799
Conc: 21.35 ug/ml



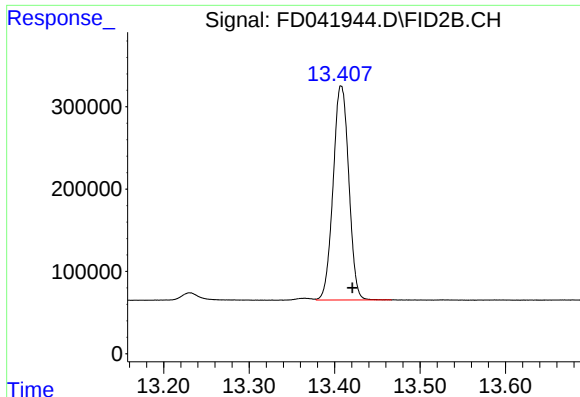
#11 n-Heneicosane (C21)

R.T.: 12.826 min
Delta R.T.: -0.012 min
Response: 3344771
Conc: 20.89 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.656 min
Delta R.T.: -0.014 min
Response: 2854555
Conc: 20.61 ug/ml



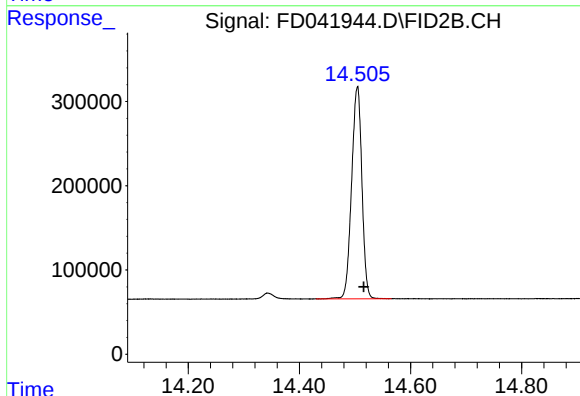
#13 n-Docosane (C22)

R.T.: 13.408 min
Delta R.T.: -0.013 min
Response: 3319055
Conc: 20.67 ug/ml

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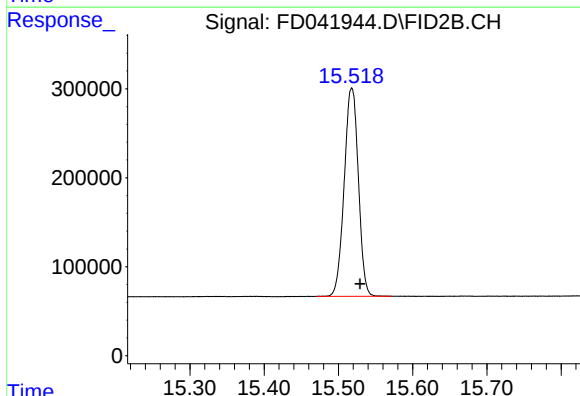
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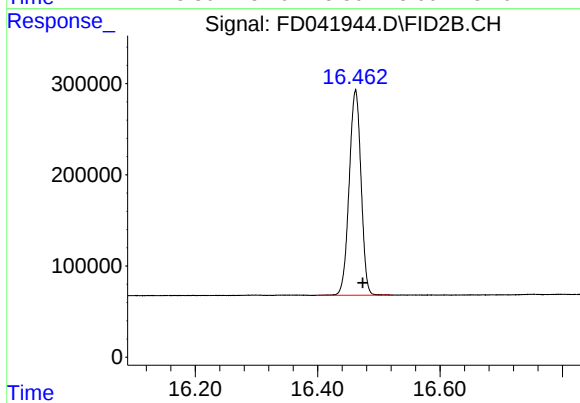
#14 n-Tetracosane (C24)

R.T.: 14.505 min
Delta R.T.: -0.011 min
Response: 3238712
Conc: 20.04 ug/ml



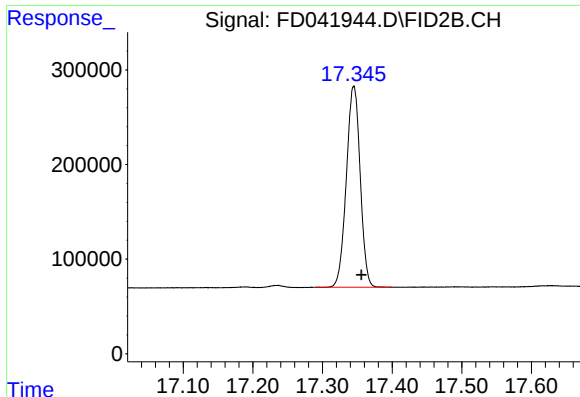
#15 n-Hexacosane (C26)

R.T.: 15.518 min
Delta R.T.: -0.011 min
Response: 3104059
Conc: 19.22 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.462 min
Delta R.T.: -0.012 min
Response: 3028153
Conc: 18.81 ug/ml



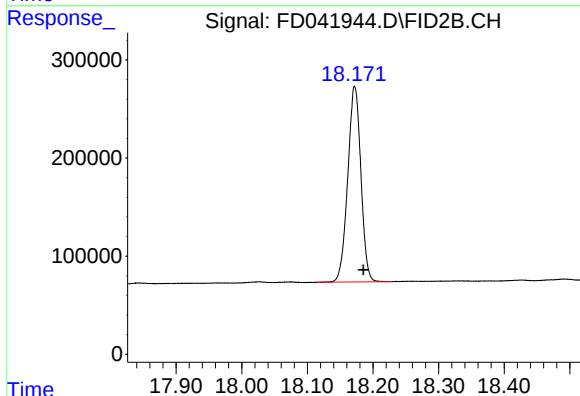
#17 n-Tricontane (C30)

R.T.: 17.345 min
Delta R.T.: -0.011 min
Response: 2941316
Conc: 18.66 ug/ml

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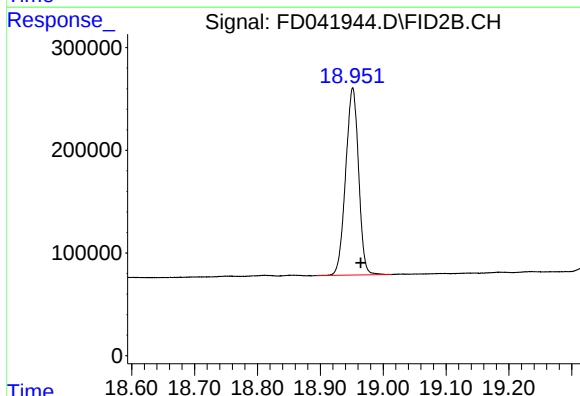
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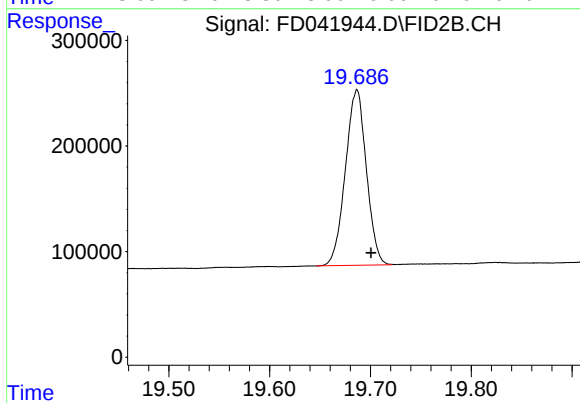
#18 n-Dotriacontane (C32)

R.T.: 18.172 min
Delta R.T.: -0.013 min
Response: 2776379
Conc: 18.71 ug/ml



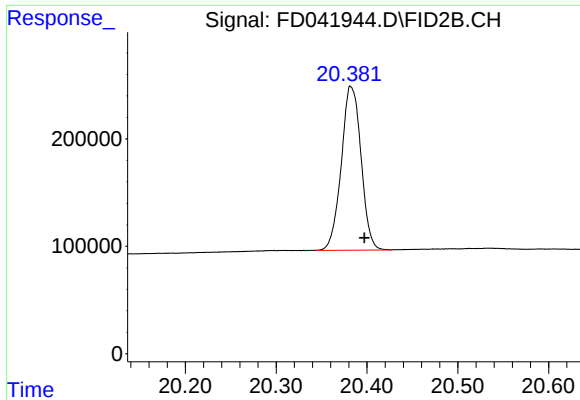
#19 n-Tetratriacontane (C34)

R.T.: 18.952 min
Delta R.T.: -0.012 min
Response: 2602980
Conc: 19.43 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.686 min
Delta R.T.: -0.014 min
Response: 2405704
Conc: 20.09 ug/ml m



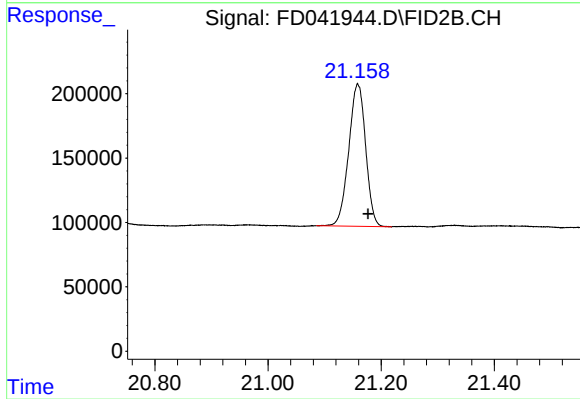
#21 n-Octatriacontane (C38)

R.T.: 20.381 min
Delta R.T.: -0.016 min
Response: 2306452
Conc: 20.84 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.159 min
Delta R.T.: -0.018 min
Response: 2294670
Conc: 21.31 ug/ml