

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031122AL\
 Data File : FD041522.D
 Signal(s) : FID2B.CH
 Acq On : 11 Mar 2022 22:09
 Operator : UA/NP
 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

Reviewed By :Yogesh Patel 03/14/2022
 Supervised By :Ankita Jodhani 03/14/2022

Integration File: sample.E
 Quant Time: Mar 11 22:58:30 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 022322.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 24 01:21:33 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)	11.242	3470932	20.010 ug/ml
Spiked Amount 50.000		Recovery =	40.02%
12) S 1-chlorooctadecane (S...	12.682	2692722	19.889 ug/ml
Spiked Amount 50.000		Recovery =	39.78%
Target Compounds			
1) T n-Nonane (C9)	3.104	3139976	21.563 ug/ml
2) T n-Decane (C10)	4.150	3118241	21.596 ug/ml
3) T A~Naphthalene (C11.7)	5.700	3425527	21.444 ug/ml
4) T n-Dodecane (C12)	6.145	3218552	21.732 ug/ml
5) T A~2-methylnaphthalene...	6.746	3454141	21.584 ug/ml
6) T n-Tetradecane (C14)	7.923	3243834	21.668 ug/ml
7) T n-Hexadecane (C16)	9.512	3262978	21.434 ug/ml
8) T n-Octadecane (C18)	10.943	3251113	20.917 ug/ml
10) T n-Eicosane (C20)	12.245	3165821	20.393 ug/ml
11) T n-Heneicosane (C21)	12.853	3138298	20.042 ug/ml
13) T n-Docosane (C22)	13.436	3111705	19.869 ug/ml
14) T n-Tetracosane (C24)	14.533	3052151	19.459 ug/ml
15) T n-Hexacosane (C26)	15.548	2923389	19.027 ug/ml
16) T n-Octacosane (C28)	16.493	2860406	19.220 ug/ml
17) T n-Tricontane (C30)	17.375	2818692	20.033 ug/ml
18) T n-Dotriacontane (C32)	18.204	2674304	21.020 ug/ml
19) T n-Tetratriacontane (C34)	18.982	2473100	21.713 ug/mlm
20) T n-Hexatriacontane (C36)	19.720	2312634	22.564 ug/mlm
21) T n-Octatriacontane (C38)	20.418	2246883	23.665 ug/mlm
22) T n-Tetracontane (C40)	21.205	2210738	23.327 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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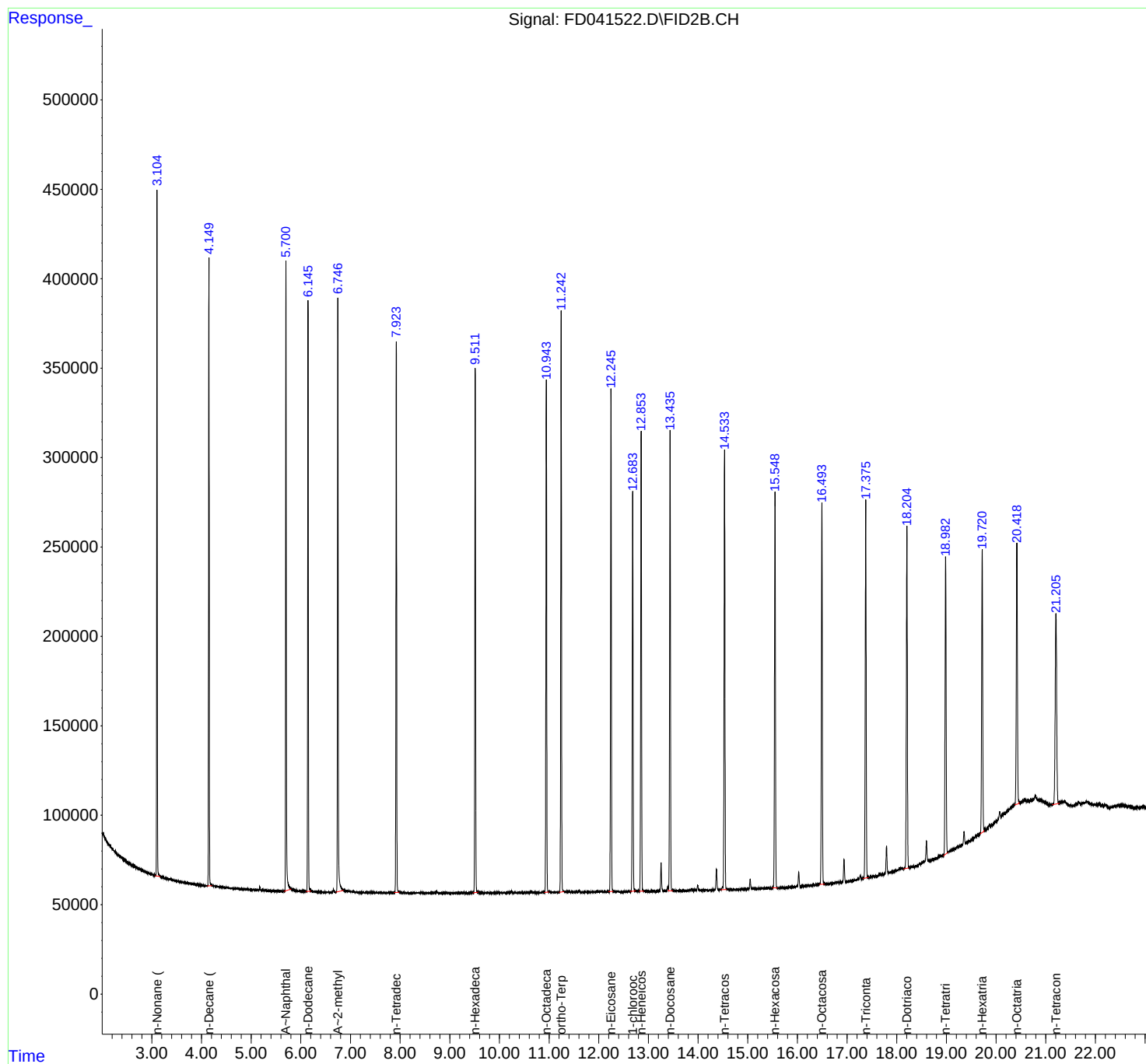
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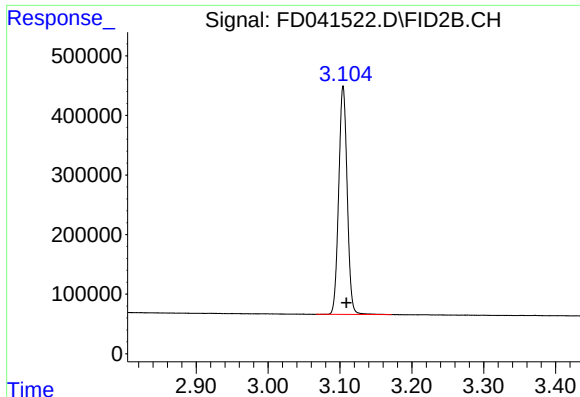
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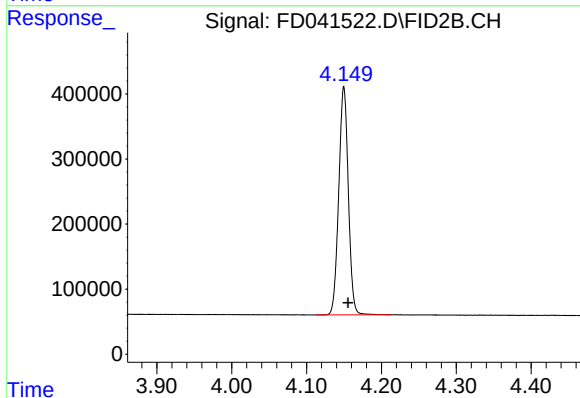
#1 n-Nonane (C9)

R.T.: 3.104 min
Delta R.T.: -0.005 min
Response: 3139976
Conc: 21.56 ug/ml

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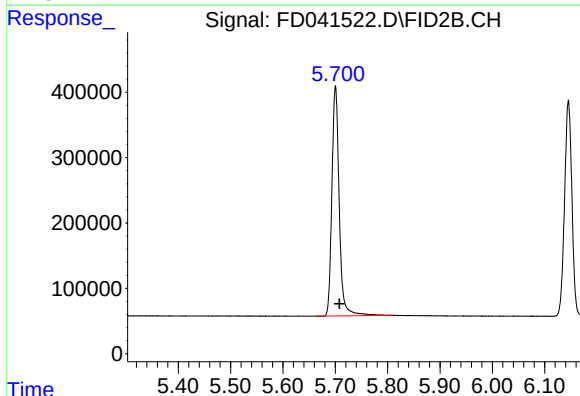
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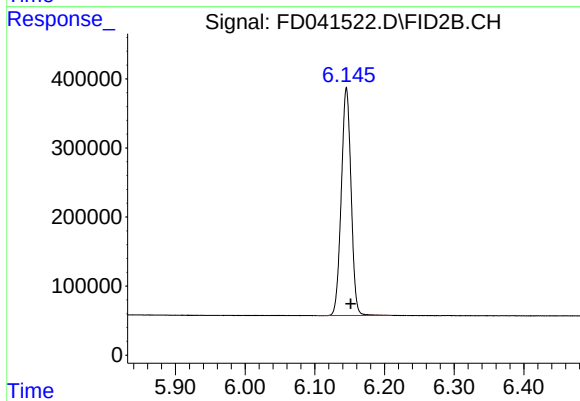
#2 n-Decane (C10)

R.T.: 4.150 min
Delta R.T.: -0.006 min
Response: 3118241
Conc: 21.60 ug/ml



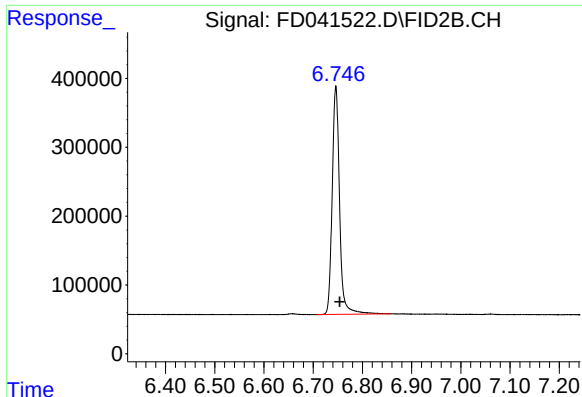
#3 A~Naphthalene (C11.7)

R.T.: 5.700 min
Delta R.T.: -0.008 min
Response: 3425527
Conc: 21.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.145 min
Delta R.T.: -0.006 min
Response: 3218552
Conc: 21.73 ug/ml



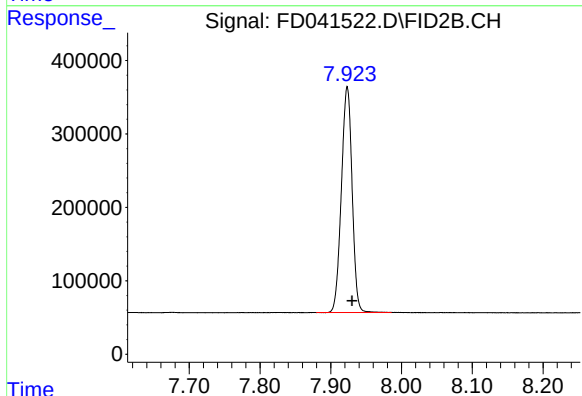
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.746 min
Delta R.T.: -0.008 min
Response: 3454141
Conc: 21.58 ug/ml

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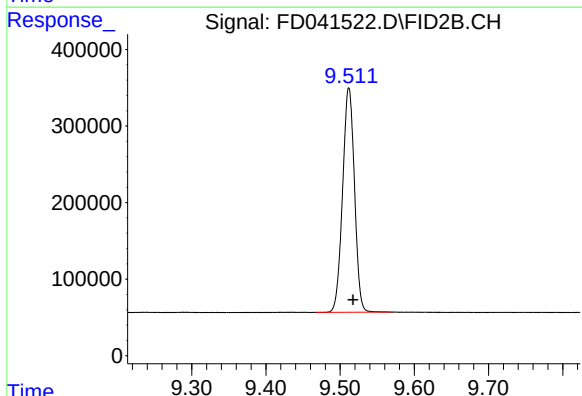
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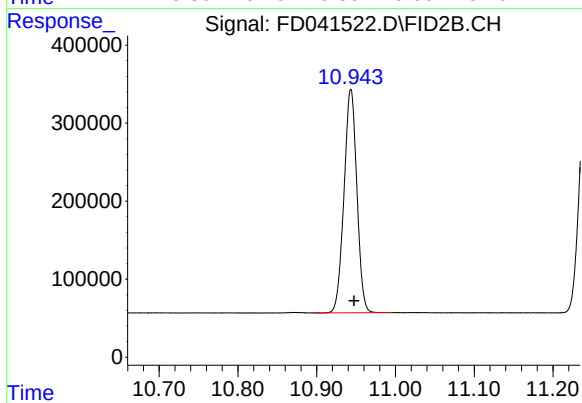
#6 n-Tetradecane (C14)

R.T.: 7.923 min
Delta R.T.: -0.007 min
Response: 3243834
Conc: 21.67 ug/ml



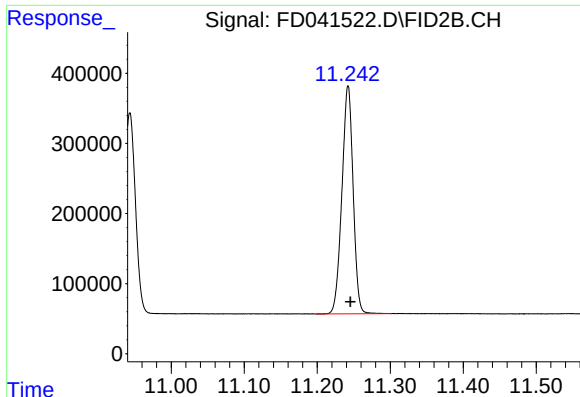
#7 n-Hexadecane (C16)

R.T.: 9.512 min
Delta R.T.: -0.005 min
Response: 3262978
Conc: 21.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.943 min
Delta R.T.: -0.004 min
Response: 3251113
Conc: 20.92 ug/ml



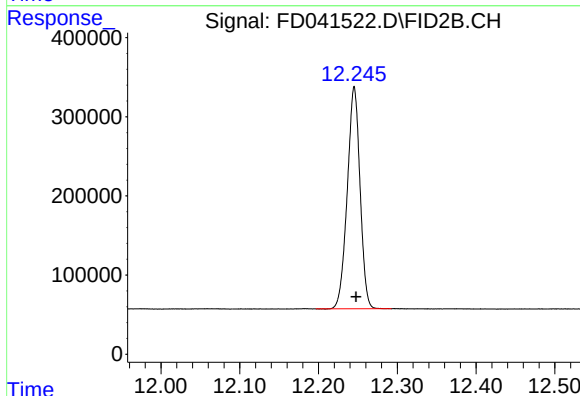
#9 ortho-Terphenyl (SURR)

R.T.: 11.242 min
Delta R.T.: -0.003 min
Response: 3470932
Conc: 20.01 ug/ml

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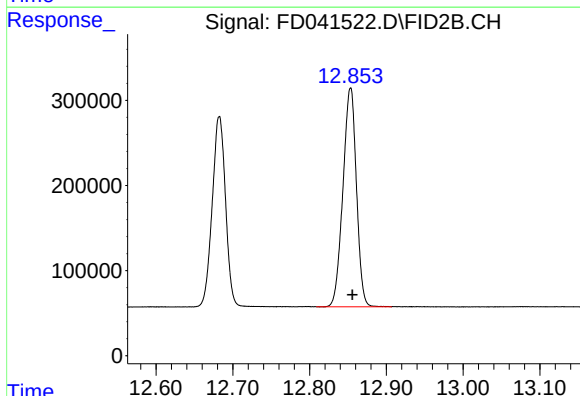
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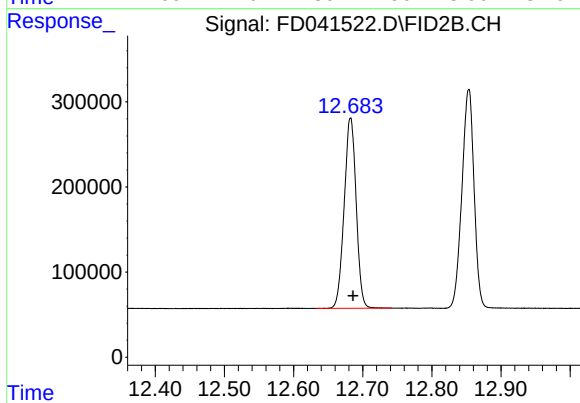
#10 n-Eicosane (C20)

R.T.: 12.245 min
Delta R.T.: -0.002 min
Response: 3165821
Conc: 20.39 ug/ml



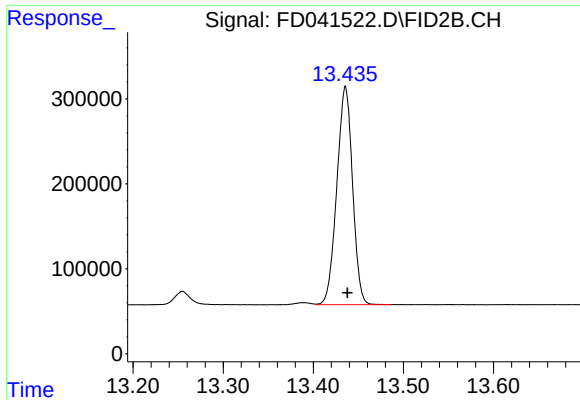
#11 n-Heneicosane (C21)

R.T.: 12.853 min
Delta R.T.: -0.002 min
Response: 3138298
Conc: 20.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.682 min
Delta R.T.: -0.004 min
Response: 2692722
Conc: 19.89 ug/ml



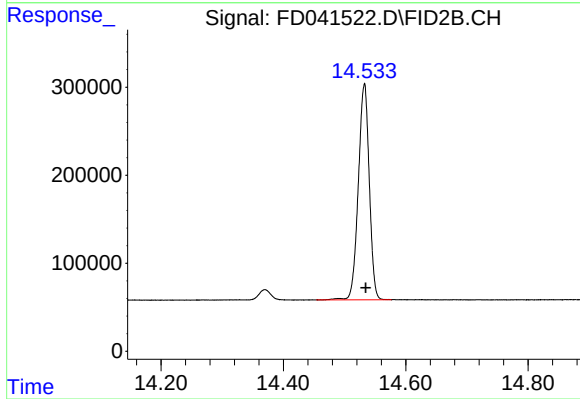
#13 n-Docosane (C22)

R.T.: 13.436 min
Delta R.T.: -0.002 min
Response: 3111705
Conc: 19.87 ug/ml

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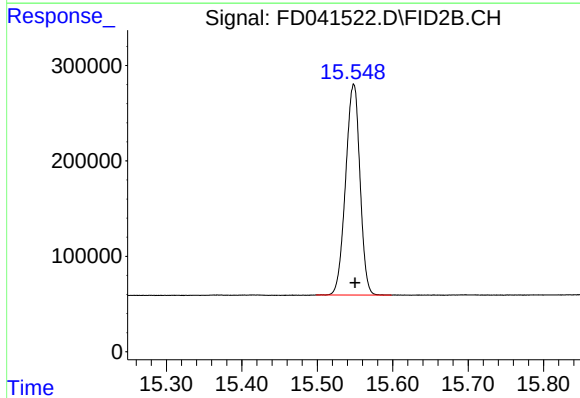
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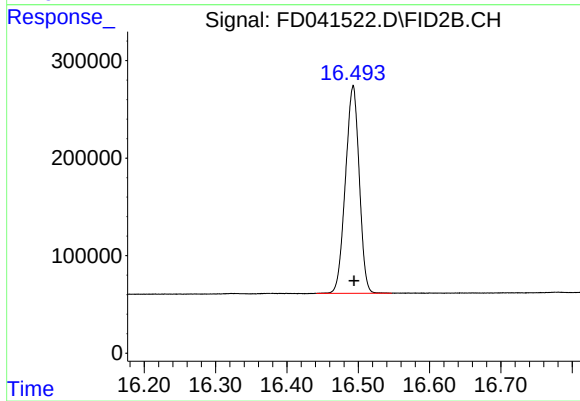
#14 n-Tetracosane (C24)

R.T.: 14.533 min
Delta R.T.: -0.002 min
Response: 3052151
Conc: 19.46 ug/ml



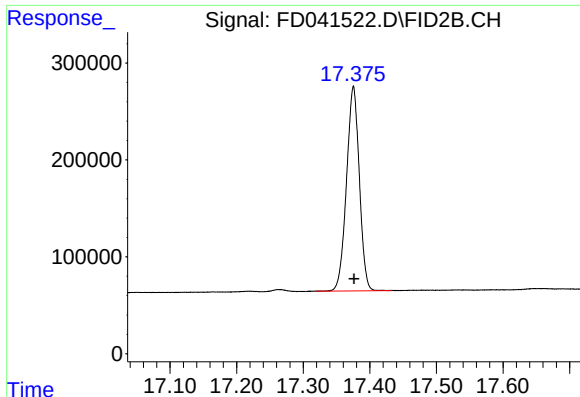
#15 n-Hexacosane (C26)

R.T.: 15.548 min
Delta R.T.: -0.002 min
Response: 2923389
Conc: 19.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.493 min
Delta R.T.: -0.001 min
Response: 2860406
Conc: 19.22 ug/ml



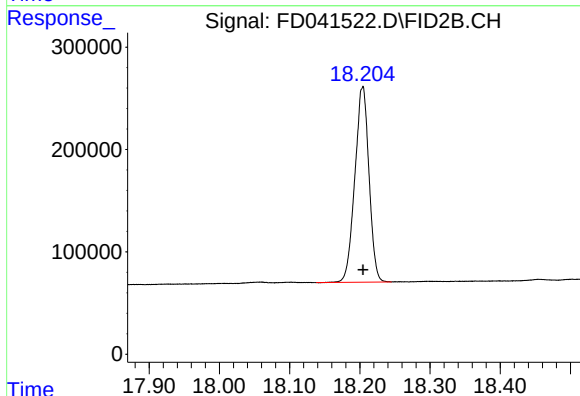
#17 n-Tricontane (C30)

R.T.: 17.375 min
Delta R.T.: 0.000 min
Response: 2818692
Conc: 20.03 ug/ml

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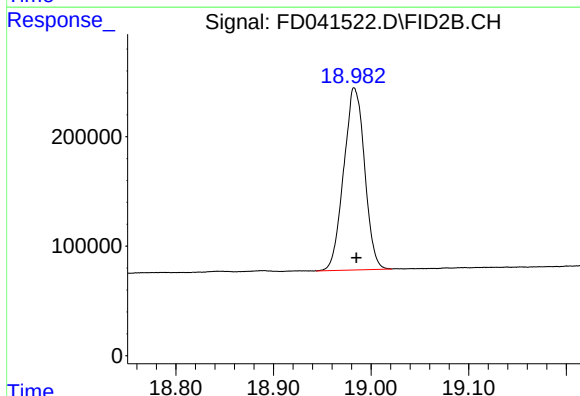
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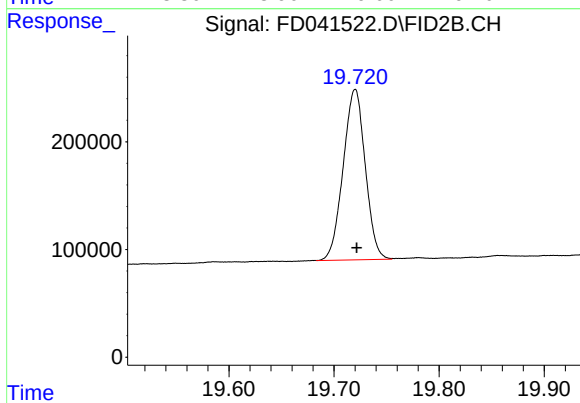
#18 n-Dotriacontane (C32)

R.T.: 18.204 min
Delta R.T.: 0.000 min
Response: 2674304
Conc: 21.02 ug/ml



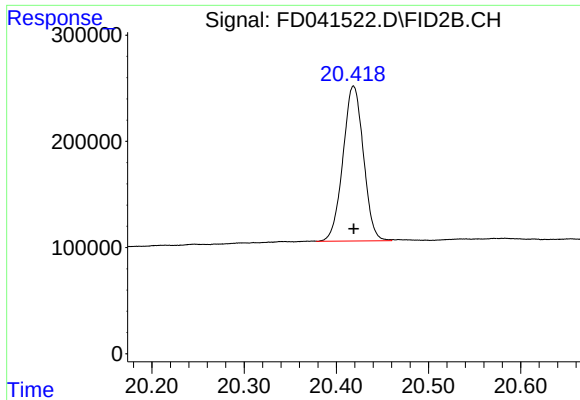
#19 n-Tetratriacontane (C34)

R.T.: 18.982 min
Delta R.T.: -0.003 min
Response: 2473100
Conc: 21.71 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.720 min
Delta R.T.: -0.001 min
Response: 2312634
Conc: 22.56 ug/ml m



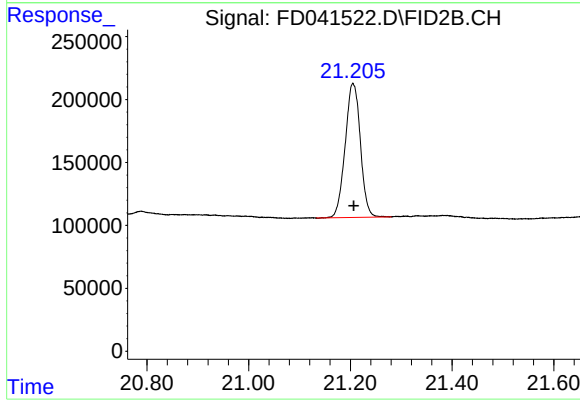
#21 n-Octatriacontane (C38)

R.T.: 20.418 min
Delta R.T.: 0.000 min
Response: 2246883
Conc: 23.67 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.205 min
Delta R.T.: -0.002 min
Response: 2210738
Conc: 23.33 ug/ml