

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050622AL\
 Data File : FD042359.D
 Signal(s) : FID2B.CH
 Acq On : 06 May 2022 23:30
 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 05/09/2022
 Supervised By :mohammad ahmed 05/10/2022

Integration File: autoint1.e
 Quant Time: May 09 00:49:18 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)	11.214	3315401	19.769 ug/ml
Spiked Amount 50.000		Recovery =	39.54%
12) S 1-chlorooctadecane (S...	12.653	2557790	19.383 ug/ml
Spiked Amount 50.000		Recovery =	38.77%
Target Compounds			
1) T n-Nonane (C9)	3.087	3022047	22.172 ug/ml
2) T n-Decane (C10)	4.131	3007273	22.440 ug/ml
3) T A~Naphthalene (C11.7)	5.682	3143887	21.689 ug/ml
4) T n-Dodecane (C12)	6.125	3084027	21.663 ug/ml
5) T A~2-methylnaphthalene...	6.728	3161148	22.684 ug/ml
6) T n-Tetradecane (C14)	7.901	3066858	21.530 ug/ml
7) T n-Hexadecane (C16)	9.486	3061768	21.069 ug/ml
8) T n-Octadecane (C18)	10.916	3058728	20.409 ug/ml
10) T n-Eicosane (C20)	12.215	3006901	19.645 ug/ml
11) T n-Heneicosane (C21)	12.822	2982862	19.348 ug/ml
13) T n-Docosane (C22)	13.405	2976672	19.311 ug/ml
14) T n-Tetracosane (C24)	14.500	2963127	19.160 ug/ml
15) T n-Hexacosane (C26)	15.516	2913814	18.943 ug/ml
16) T n-Octacosane (C28)	16.459	2877894	18.823 ug/mlm
17) T n-Tricontane (C30)	17.341	2872431	19.150 ug/ml
18) T n-Dotriacontane (C32)	18.170	2724625	19.269 ug/ml
19) T n-Tetratriacontane (C34)	18.948	2536244	19.708 ug/ml
20) T n-Hexatriacontane (C36)	19.683	2410416	21.301 ug/mlm
21) T n-Octatriacontane (C38)	20.380	2338702	23.439 ug/mlm
22) T n-Tetracontane (C40)	21.155	2359326	26.157 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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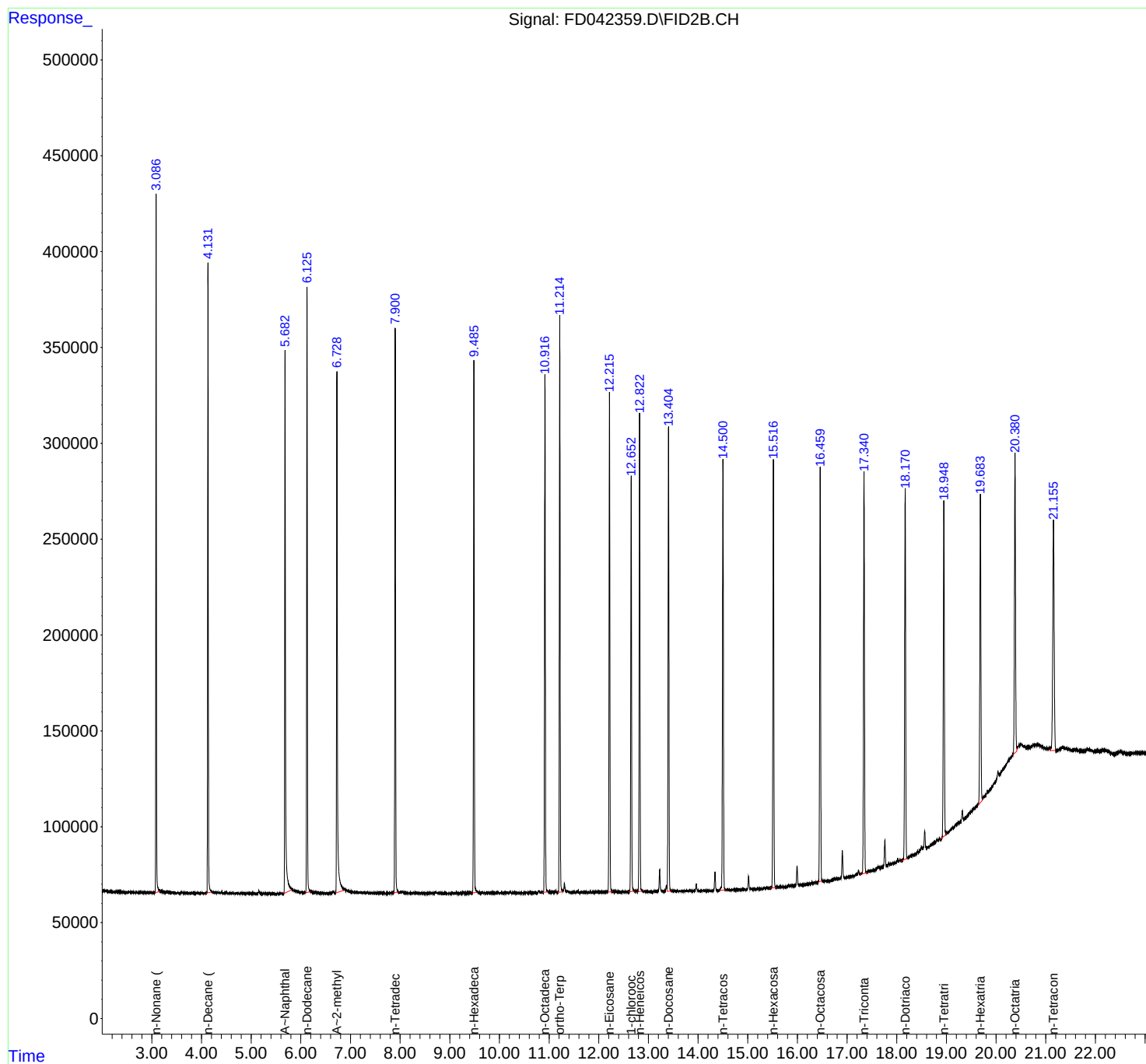
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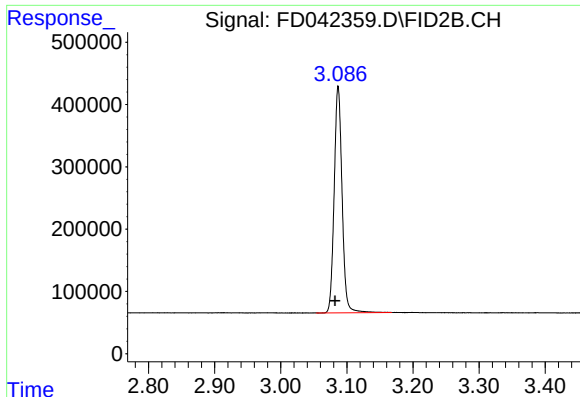
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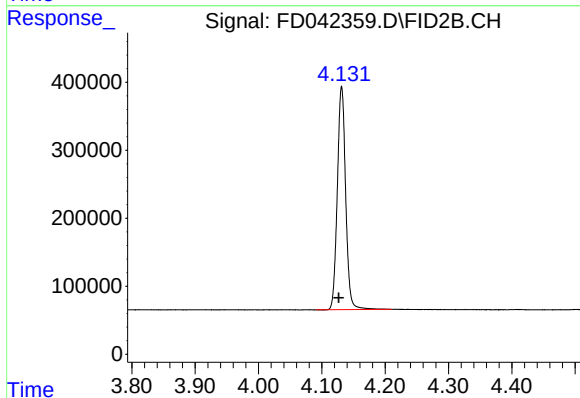
#1 n-Nonane (C9)

R.T.: 3.087 min
Delta R.T.: 0.005 min
Response: 3022047
Conc: 22.17 ug/ml

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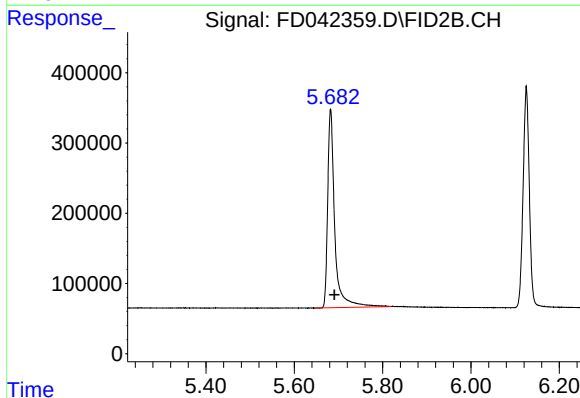
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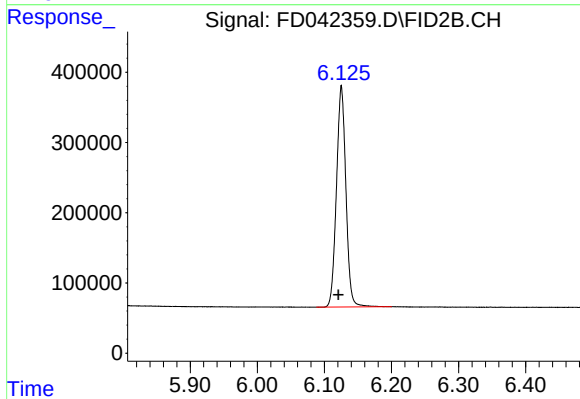
#2 n-Decane (C10)

R.T.: 4.131 min
Delta R.T.: 0.005 min
Response: 3007273
Conc: 22.44 ug/ml



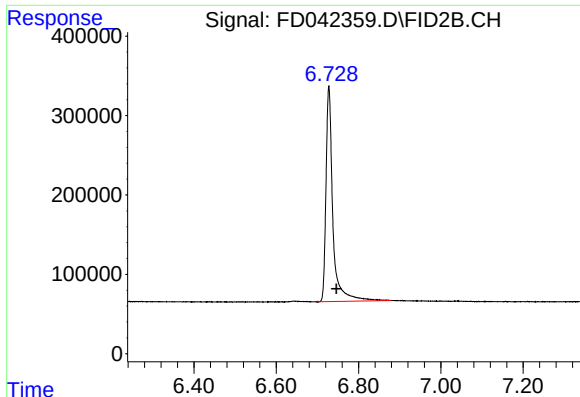
#3 A~Naphthalene (C11.7)

R.T.: 5.682 min
Delta R.T.: -0.009 min
Response: 3143887
Conc: 21.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.125 min
Delta R.T.: 0.004 min
Response: 3084027
Conc: 21.66 ug/ml



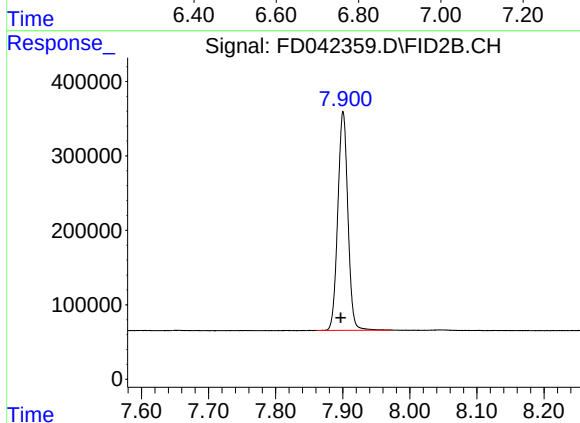
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.728 min
Delta R.T.: -0.018 min
Response: 3161148
Conc: 22.68 ug/ml

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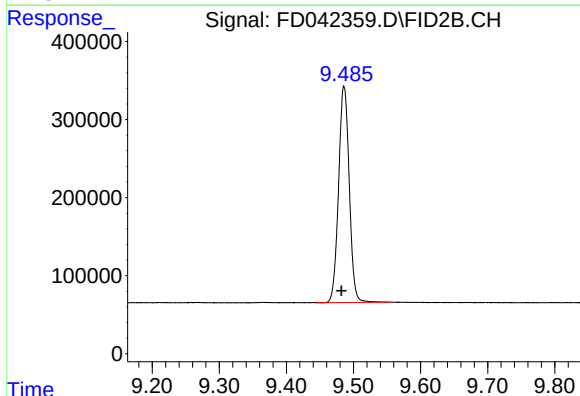
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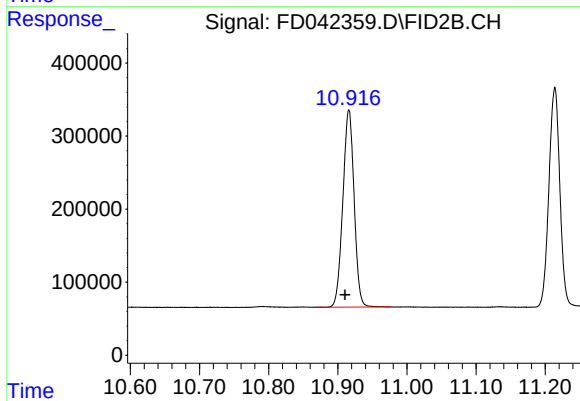
#6 n-Tetradecane (C14)

R.T.: 7.901 min
Delta R.T.: 0.004 min
Response: 3066858
Conc: 21.53 ug/ml



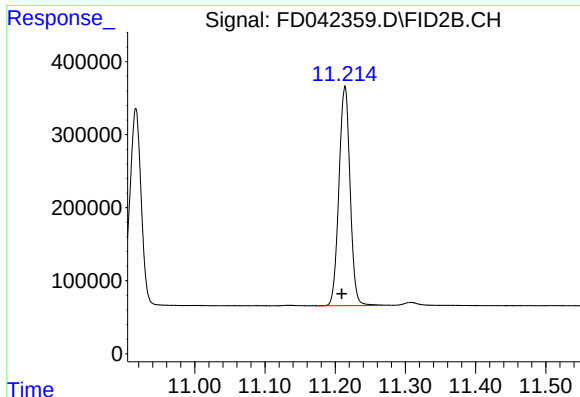
#7 n-Hexadecane (C16)

R.T.: 9.486 min
Delta R.T.: 0.004 min
Response: 3061768
Conc: 21.07 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.916 min
Delta R.T.: 0.006 min
Response: 3058728
Conc: 20.41 ug/ml



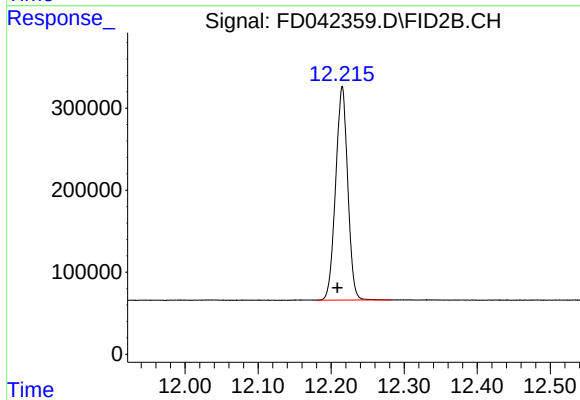
#9 ortho-Terphenyl (SURR)

R.T.: 11.214 min
Delta R.T.: 0.005 min
Response: 3315401
Conc: 19.77 ug/ml

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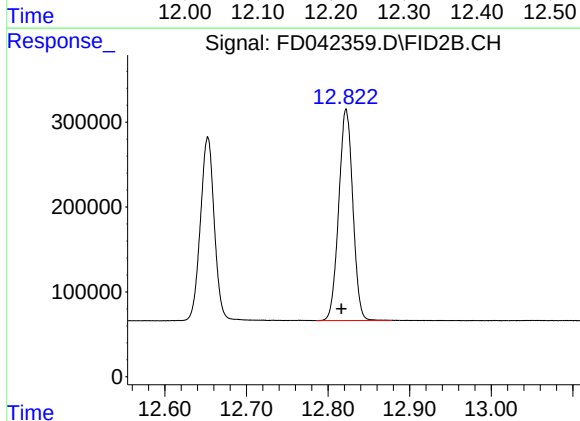
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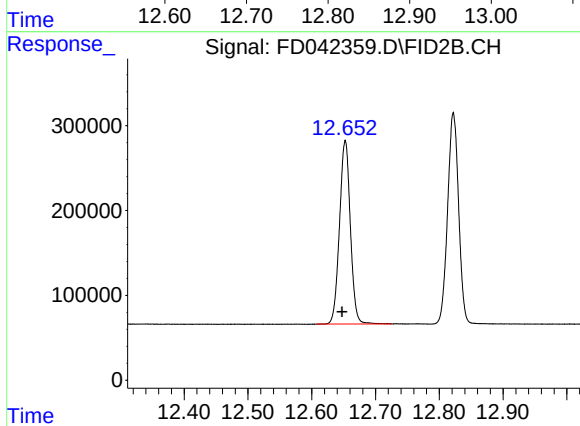
#10 n-Eicosane (C20)

R.T.: 12.215 min
Delta R.T.: 0.007 min
Response: 3006901
Conc: 19.64 ug/ml



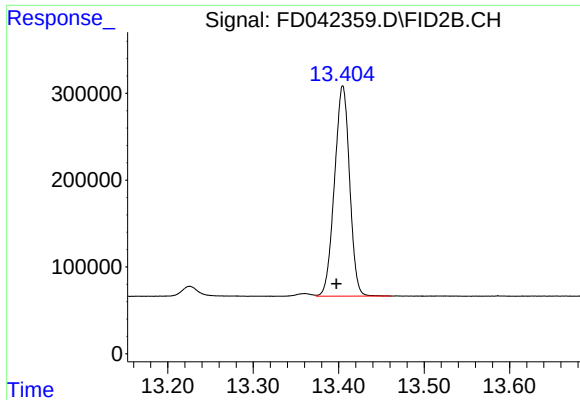
#11 n-Heneicosane (C21)

R.T.: 12.822 min
Delta R.T.: 0.006 min
Response: 2982862
Conc: 19.35 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.653 min
Delta R.T.: 0.005 min
Response: 2557790
Conc: 19.38 ug/ml



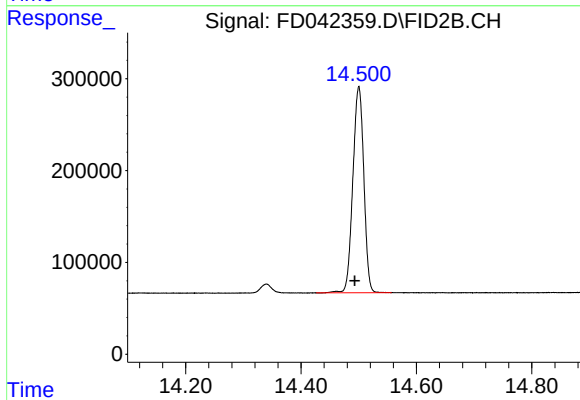
#13 n-Docosane (C22)

R.T.: 13.405 min
Delta R.T.: 0.007 min
Response: 2976672
Conc: 19.31 ug/ml

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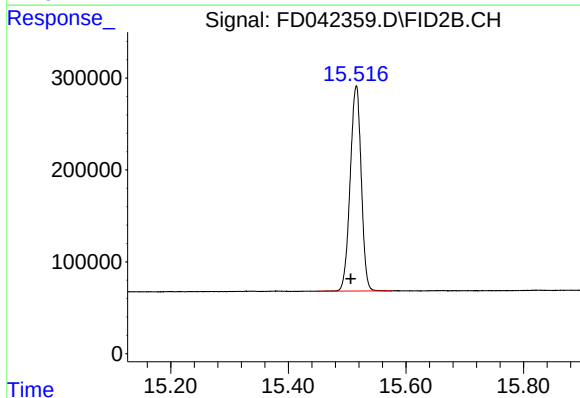
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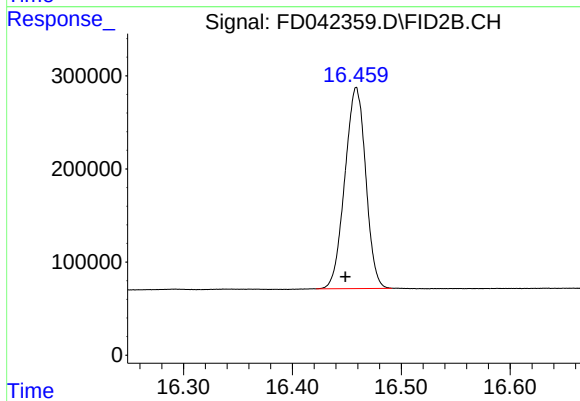
#14 n-Tetracosane (C24)

R.T.: 14.500 min
Delta R.T.: 0.007 min
Response: 2963127
Conc: 19.16 ug/ml



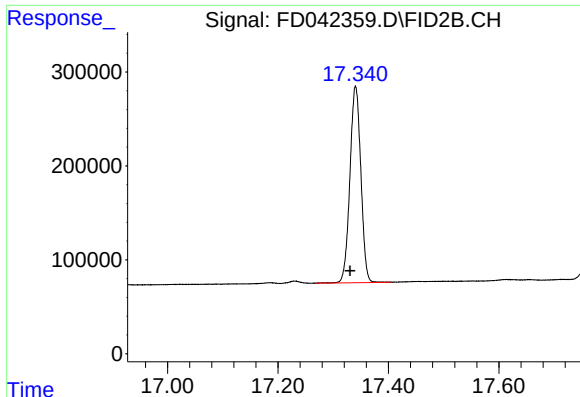
#15 n-Hexacosane (C26)

R.T.: 15.516 min
Delta R.T.: 0.009 min
Response: 2913814
Conc: 18.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.459 min
Delta R.T.: 0.010 min
Response: 2877894
Conc: 18.82 ug/ml m



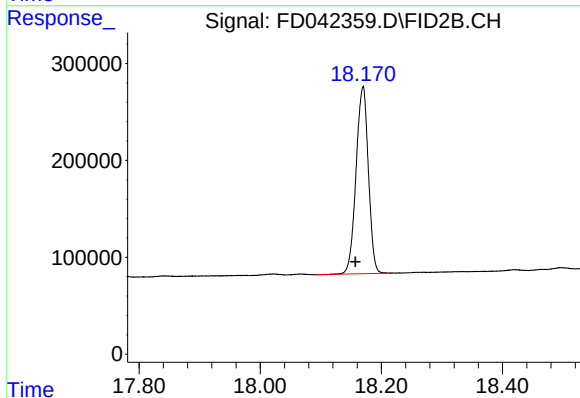
#17 n-Tricontane (C30)

R.T.: 17.341 min
Delta R.T.: 0.010 min
Response: 2872431
Conc: 19.15 ug/ml

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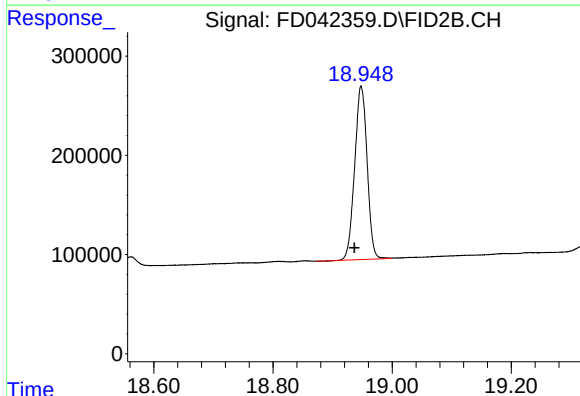
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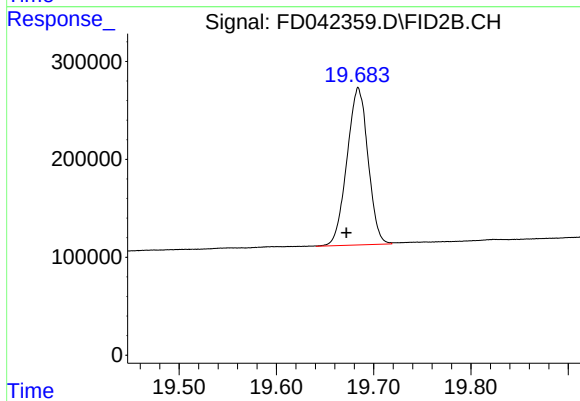
#18 n-Dotriacontane (C32)

R.T.: 18.170 min
Delta R.T.: 0.013 min
Response: 2724625
Conc: 19.27 ug/ml



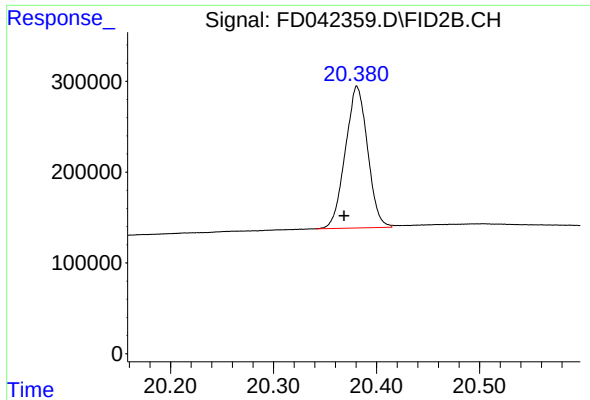
#19 n-Tetratriacontane (C34)

R.T.: 18.948 min
Delta R.T.: 0.011 min
Response: 2536244
Conc: 19.71 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.683 min
Delta R.T.: 0.011 min
Response: 2410416
Conc: 21.30 ug/ml m



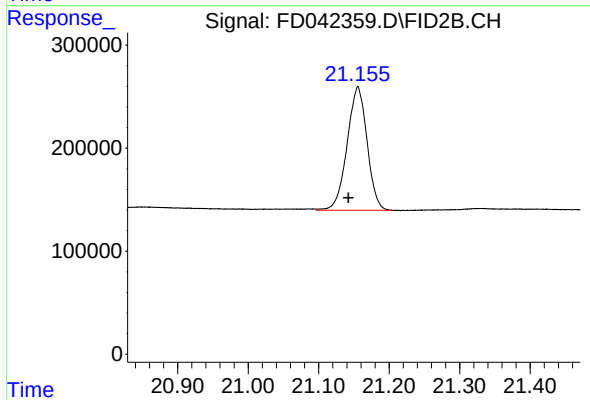
#21 n-Octatriacontane (C38)

R.T.: 20.380 min
Delta R.T.: 0.012 min
Response: 2338702
Conc: 23.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.155 min
Delta R.T.: 0.013 min
Response: 2359326
Conc: 26.16 ug/ml m