

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112221AL\
 Data File : FD039612.D
 Signal(s) : FID2B.CH
 Acq On : 23 Nov 2021 14:14
 Operator : AJ\MA
 Sample : 20 PPM ALIPHAIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHAIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Ankita Jodhani 11/24/2021
 Supervised By :mohammad ahmed 11/24/2021

Integration File: autoint1.e
 Quant Time: Nov 23 14:39:01 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 102621.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 27 04:49:08 2021
 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)	11.658	2687054	21.060 ug/ml
Spiked Amount 50.000		Recovery =	42.12%
12) S 1-chlorooctadecane (S...	13.086	2088252	20.094 ug/ml
Spiked Amount 50.000		Recovery =	40.19%
Target Compounds			
1) T n-Nonane (C9)	3.420	2485794	21.379 ug/mlm
2) T n-Decane (C10)	4.489	2510482	21.474 ug/ml
3) T A~Naphthalene (C11.7)	6.081	2766172	21.463 ug/ml
4) T n-Dodecane (C12)	6.504	2512755	21.236 ug/ml
5) T A~2-methylnaphthalene...	7.135	2765863	21.060 ug/ml
6) T n-Tetradecane (C14)	8.296	2520465	21.384 ug/ml
7) T n-Hexadecane (C16)	9.894	2518501	21.017 ug/ml
8) T n-Octadecane (C18)	11.334	2567291	20.977 ug/ml
10) T n-Eicosane (C20)	12.641	2516742	20.407 ug/ml
11) T n-Heneicosane (C21)	13.251	2509705	20.041 ug/ml
13) T n-Docosane (C22)	13.836	2469360	19.881 ug/ml
14) T n-Tetracosane (C24)	14.935	2404485	19.370 ug/ml
15) T n-Hexacosane (C26)	15.953	2289316	18.636 ug/ml
16) T n-Octacosane (C28)	16.900	2200033	18.897 ug/ml
17) T n-Tricontane (C30)	17.784	2165032	18.380 ug/ml
18) T n-Dotriacontane (C32)	18.613	2094552	18.320 ug/ml
19) T n-Tetratriacontane (C34)	19.393	2073271	19.560 ug/ml
20) T n-Hexatriacontane (C36)	20.130	1993268	19.567 ug/ml
21) T n-Octatriacontane (C38)	20.870	1961254	20.437 ug/ml
22) T n-Tetracontane (C40)	21.792	2039331	22.106 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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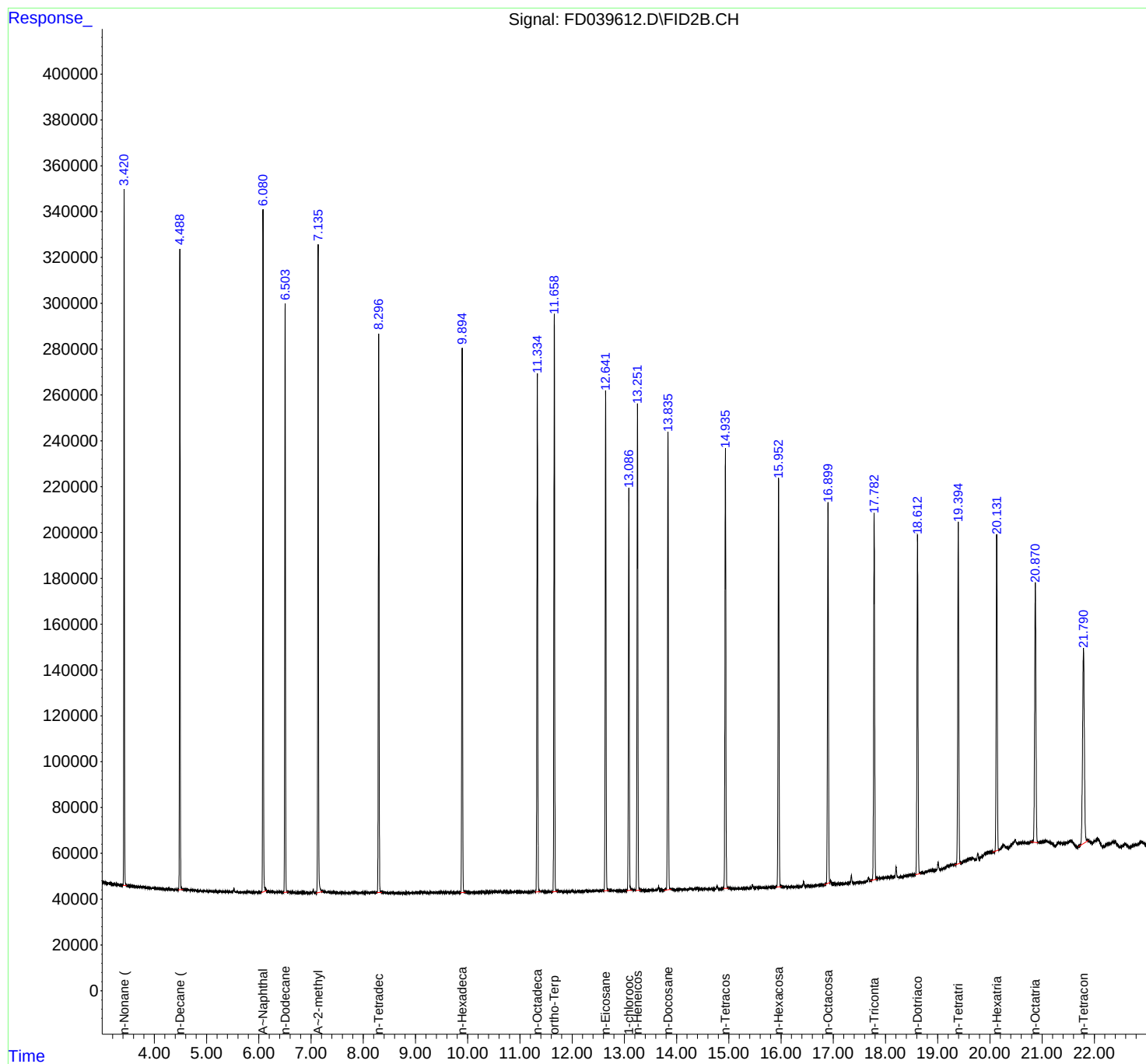
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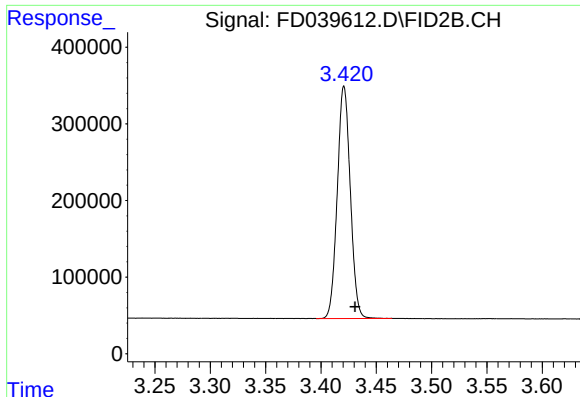
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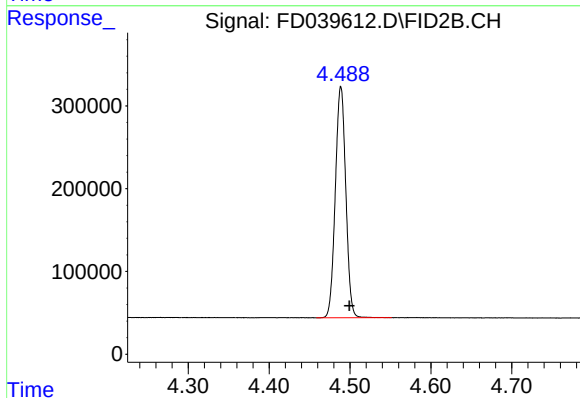
#1 n-Nonane (C9)

R.T.: 3.420 min
Delta R.T.: -0.011 min
Response: 2485794
Conc: 21.38 ug/ml

Instrument :
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20 PPM ALIPHAIC HC STD

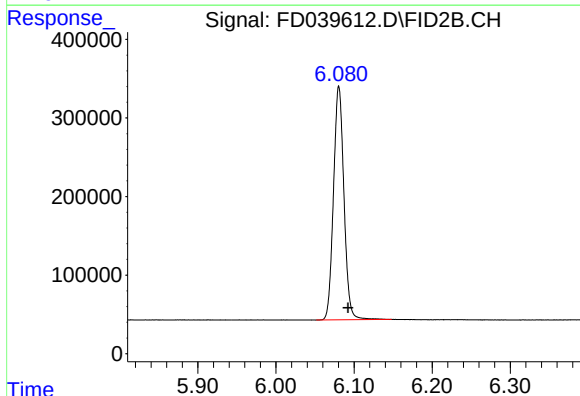
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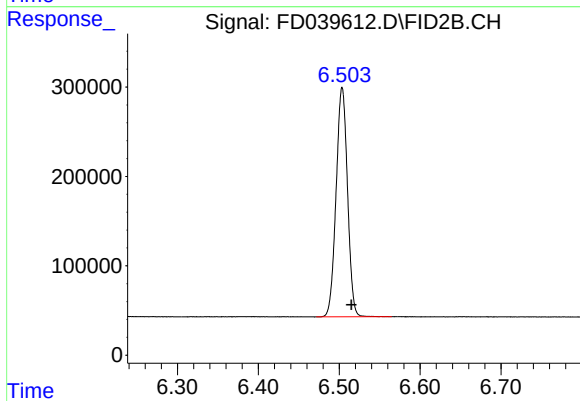
#2 n-Decane (C10)

R.T.: 4.489 min
Delta R.T.: -0.011 min
Response: 2510482
Conc: 21.47 ug/ml



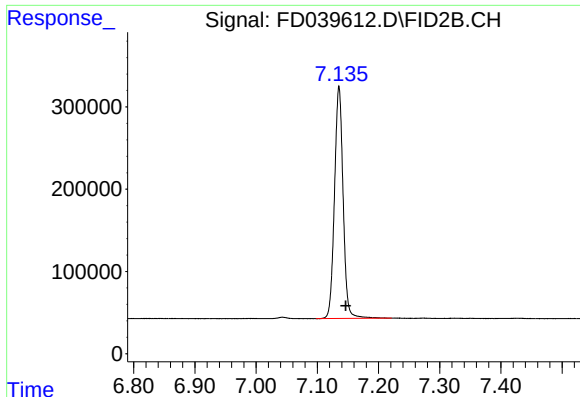
#3 A~Naphthalene (C11.7)

R.T.: 6.081 min
Delta R.T.: -0.012 min
Response: 2766172
Conc: 21.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.504 min
Delta R.T.: -0.011 min
Response: 2512755
Conc: 21.24 ug/ml



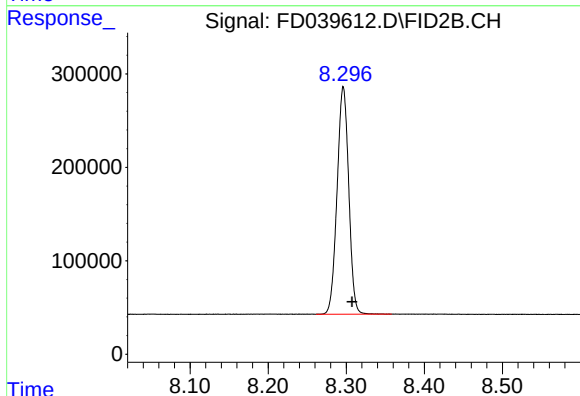
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.135 min
Delta R.T.: -0.011 min
Response: 2765863
Conc: 21.06 ug/ml

Instrument :
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20 PPM ALIPHAIC HC STD

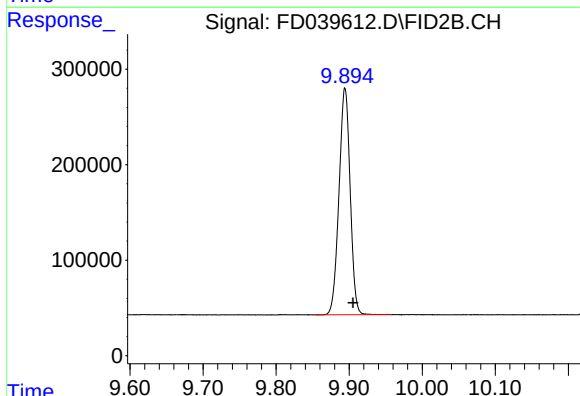
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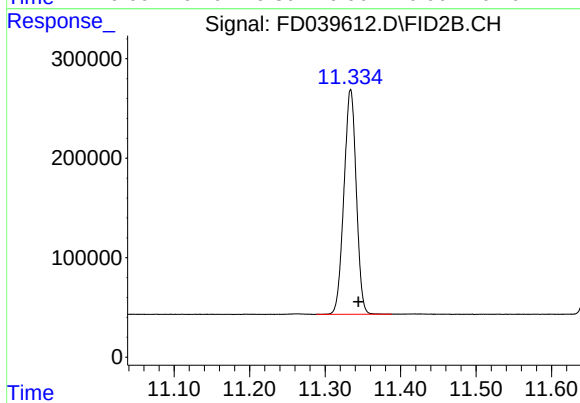
#6 n-Tetradecane (C14)

R.T.: 8.296 min
Delta R.T.: -0.011 min
Response: 2520465
Conc: 21.38 ug/ml



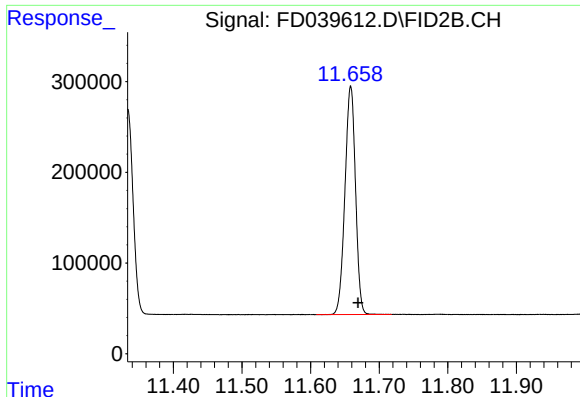
#7 n-Hexadecane (C16)

R.T.: 9.894 min
Delta R.T.: -0.011 min
Response: 2518501
Conc: 21.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.334 min
Delta R.T.: -0.011 min
Response: 2567291
Conc: 20.98 ug/ml



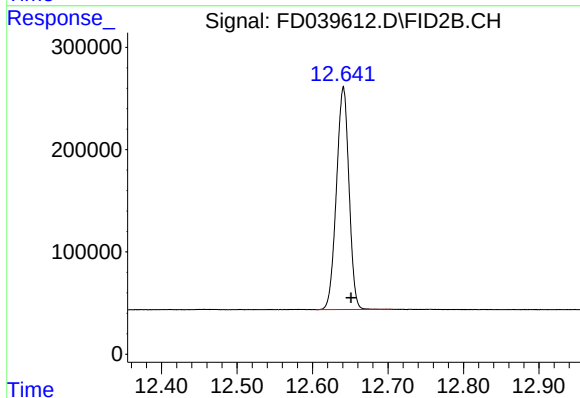
#9 ortho-Terphenyl (SURR)

R.T.: 11.658 min
Delta R.T.: -0.011 min
Response: 2687054
Conc: 21.06 ug/ml

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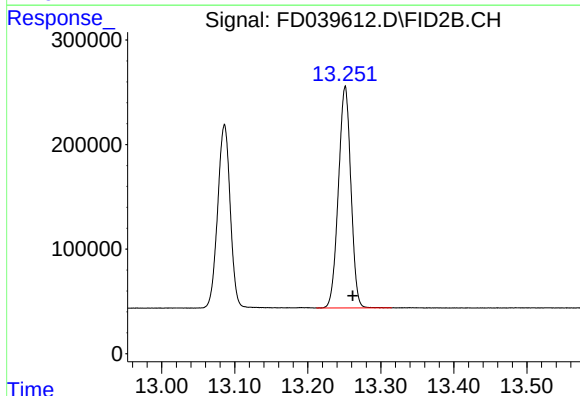
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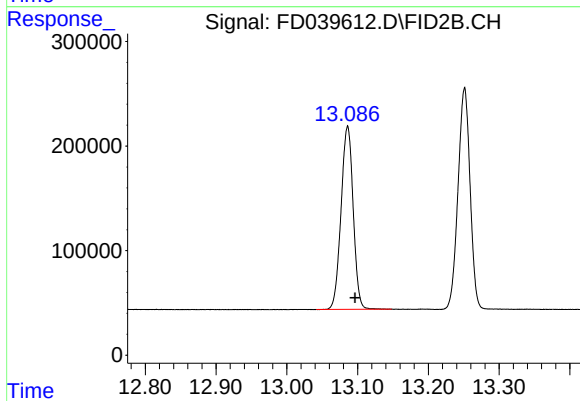
#10 n-Eicosane (C20)

R.T.: 12.641 min
Delta R.T.: -0.010 min
Response: 2516742
Conc: 20.41 ug/ml



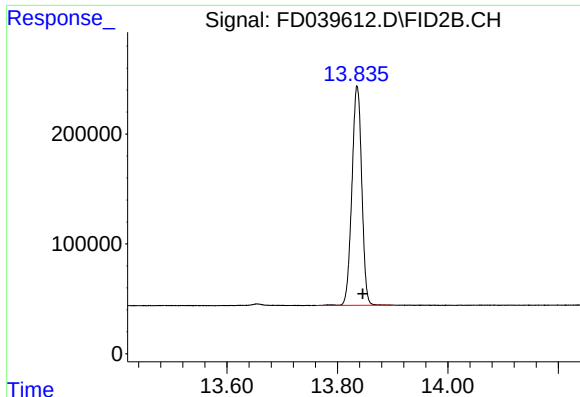
#11 n-Heneicosane (C21)

R.T.: 13.251 min
Delta R.T.: -0.010 min
Response: 2509705
Conc: 20.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.086 min
Delta R.T.: -0.011 min
Response: 2088252
Conc: 20.09 ug/ml



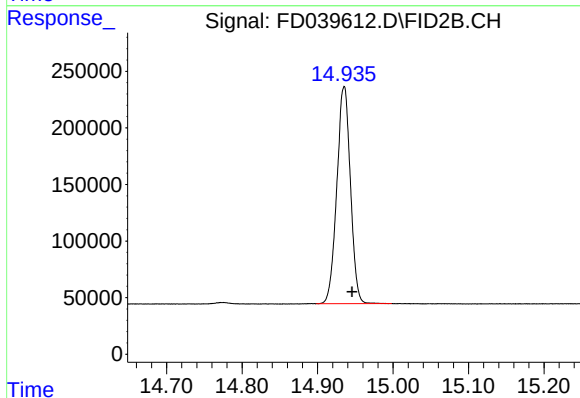
#13 n-Docosane (C22)

R.T.: 13.836 min
Delta R.T.: -0.010 min
Response: 2469360
Conc: 19.88 ug/ml

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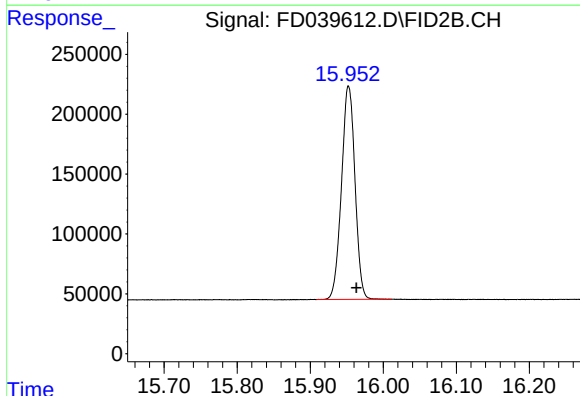
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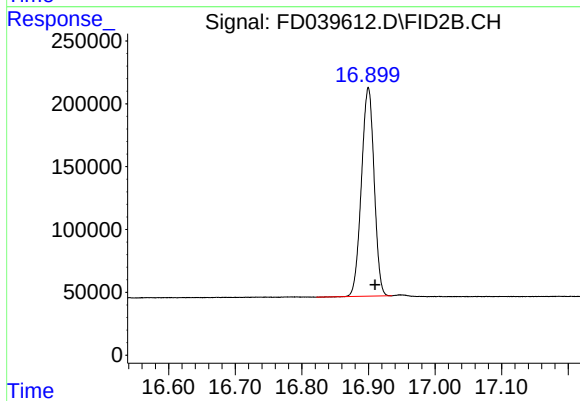
#14 n-Tetracosane (C24)

R.T.: 14.935 min
Delta R.T.: -0.011 min
Response: 2404485
Conc: 19.37 ug/ml



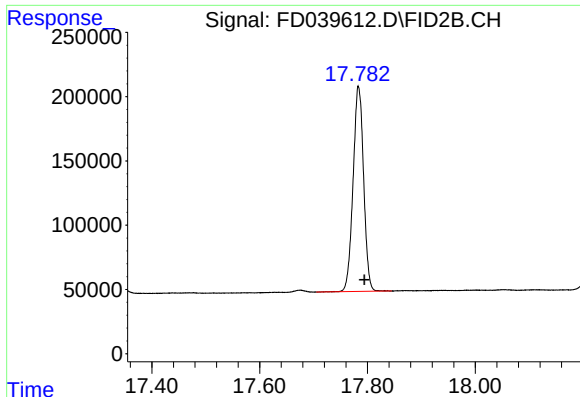
#15 n-Hexacosane (C26)

R.T.: 15.953 min
Delta R.T.: -0.010 min
Response: 2289316
Conc: 18.64 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.900 min
Delta R.T.: -0.010 min
Response: 2200033
Conc: 18.90 ug/ml



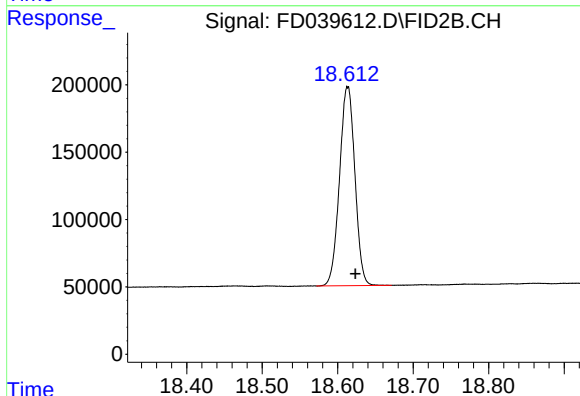
#17 n-Tricontane (C30)

R.T.: 17.784 min
Delta R.T.: -0.011 min
Response: 2165032
Conc: 18.38 ug/ml

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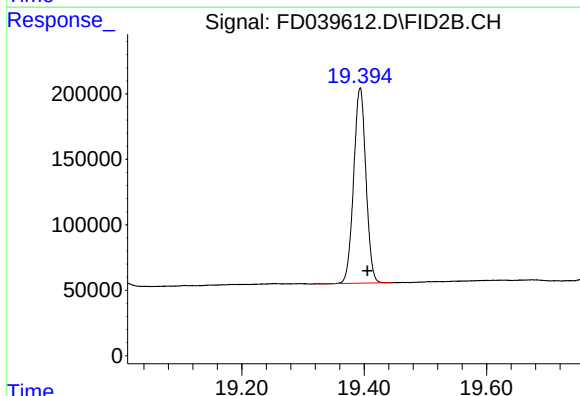
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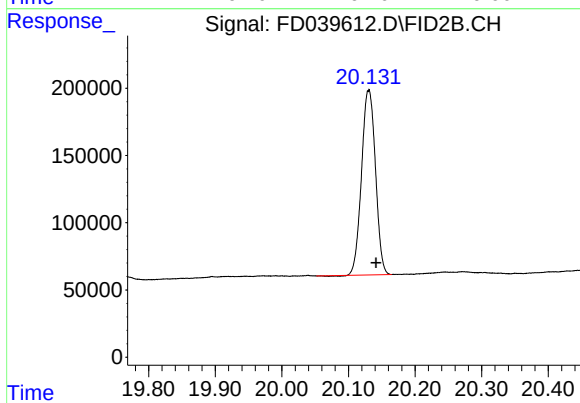
#18 n-Dotriacontane (C32)

R.T.: 18.613 min
Delta R.T.: -0.010 min
Response: 2094552
Conc: 18.32 ug/ml



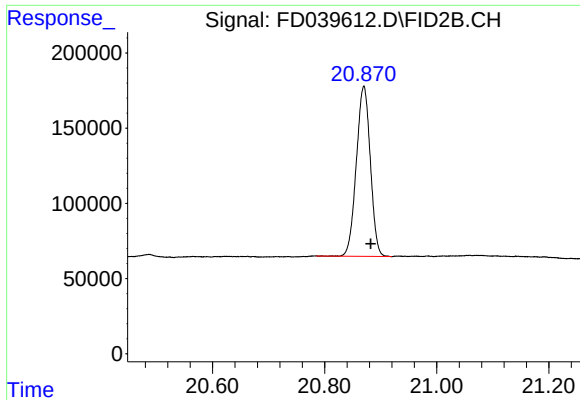
#19 n-Tetratriacontane (C34)

R.T.: 19.393 min
Delta R.T.: -0.012 min
Response: 2073271
Conc: 19.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.130 min
Delta R.T.: -0.011 min
Response: 1993268
Conc: 19.57 ug/ml



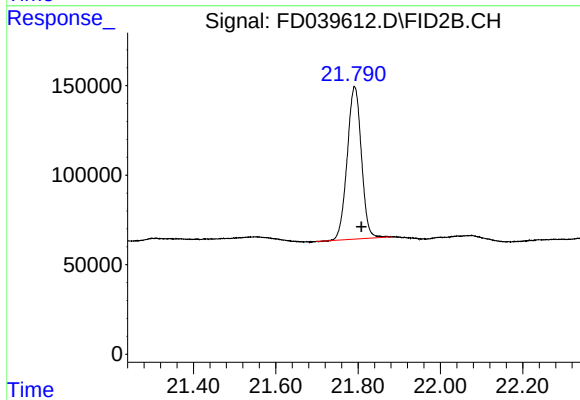
#21 n-Octatriacontane (C38)

R.T.: 20.870 min
Delta R.T.: -0.013 min
Response: 1961254
Conc: 20.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.792 min
Delta R.T.: -0.017 min
Response: 2039331
Conc: 22.11 ug/ml