

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072021AL\
 Data File : FD038302.D
 Signal(s) : FID2B.CH
 Acq On : 21 Jul 2021 00:35
 Operator : AJ\MA
 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

mohammad
 7/30/2021 8:01:07 AM

Integration File: autoint1.e
 Quant Time: Jul 21 02:12:04 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 070621.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 07 10:58:41 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)	11.412	3022308	20.908 ug/ml
Spiked Amount 50.000		Recovery =	41.82%
12) S 1-chlorooctadecane (S...	12.847	2317204	20.325 ug/ml
Spiked Amount 50.000		Recovery =	40.65%
Target Compounds			
1) T n-Nonane (C9)	3.227	2875178	23.661 ug/ml
2) T n-Decane (C10)	4.282	2911508	23.804 ug/ml
3) T A~Naphthalene (C11.7)	5.852	3187116	23.314 ug/ml
4) T n-Dodecane (C12)	6.288	2943243	23.631 ug/ml
5) T A~2-methylnaphthalene...	6.904	3179314	23.082 ug/ml
6) T n-Tetradecane (C14)	8.075	2975710	23.152 ug/ml
7) T n-Hexadecane (C16)	9.668	2949647	22.762 ug/ml
8) T n-Octadecane (C18)	11.103	2948177	21.891 ug/ml
10) T n-Eicosane (C20)	12.406	2831191	21.078 ug/ml
11) T n-Heneicosane (C21)	13.015	2801518	20.620 ug/ml
13) T n-Docosane (C22)	13.599	2743087	20.387 ug/ml
14) T n-Tetracosane (C24)	14.696	2691780	19.935 ug/ml
15) T n-Hexacosane (C26)	15.712	2545551	19.320 ug/ml
16) T n-Octacosane (C28)	16.657	2484239	19.053 ug/ml
17) T n-Tricontane (C30)	17.541	2443645	19.122 ug/ml
18) T n-Dotriacontane (C32)	18.370	2406615	19.559 ug/ml
19) T n-Tetratriacontane (C34)	19.149	2376712	20.296 ug/ml
20) T n-Hexatriacontane (C36)	19.886	2358956	21.601 ug/ml
21) T n-Octatriacontane (C38)	20.591	2293961	22.776 ug/mlm
22) T n-Tetracontane (C40)	21.419	2301128	23.528 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : AJ\MA
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ALS Vial : 52 Sample Multiplier: 1

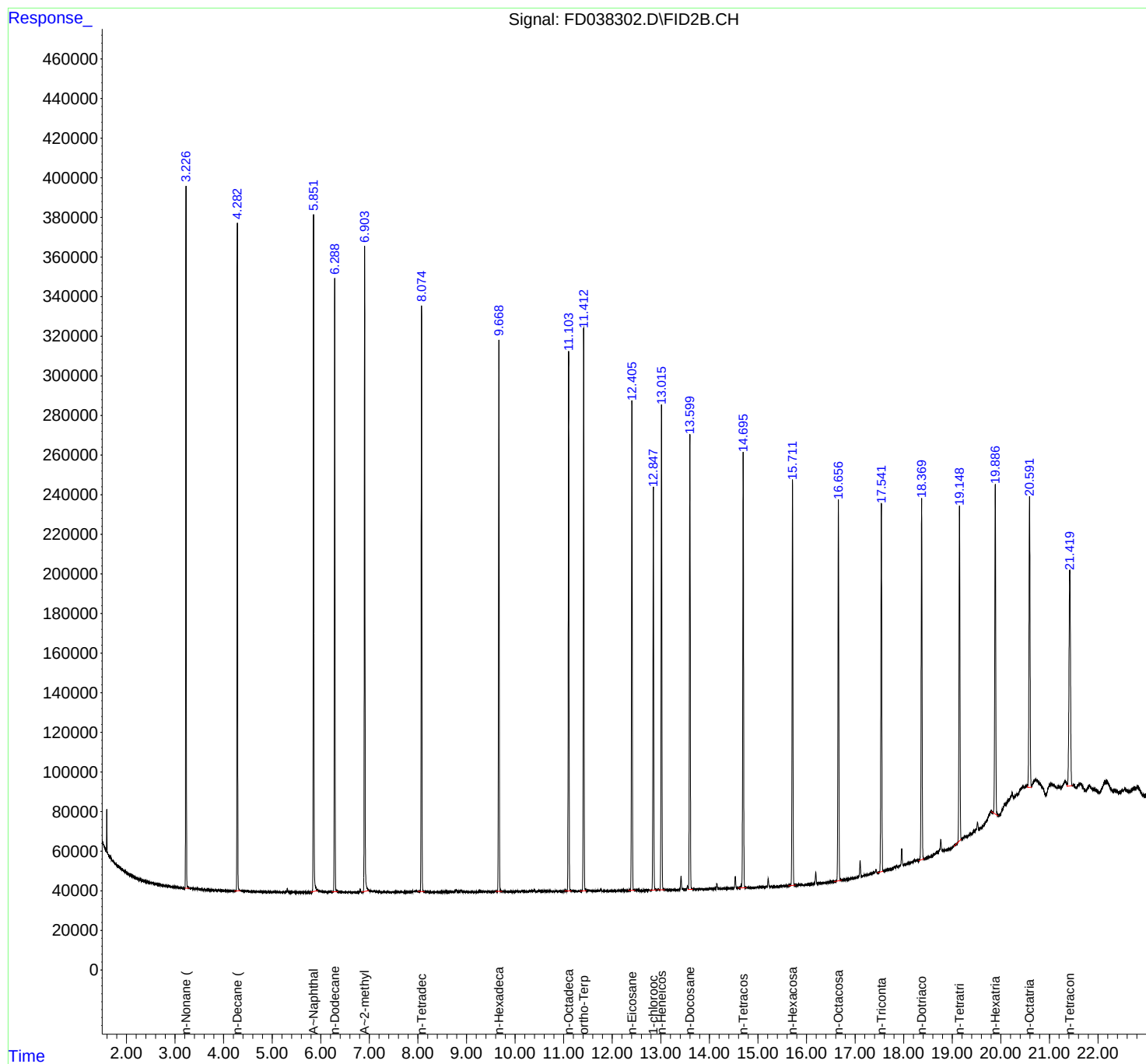
Instrument :
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20 PPM ALIPHATIC HC STD

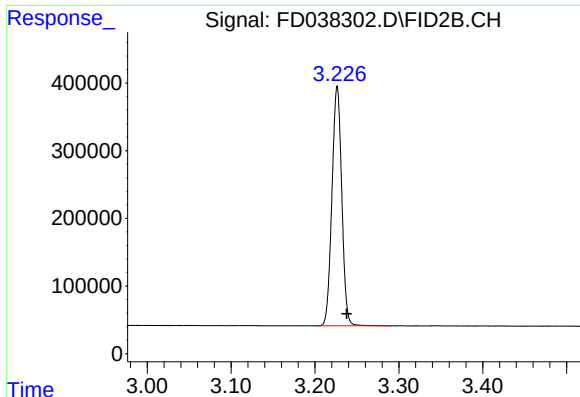
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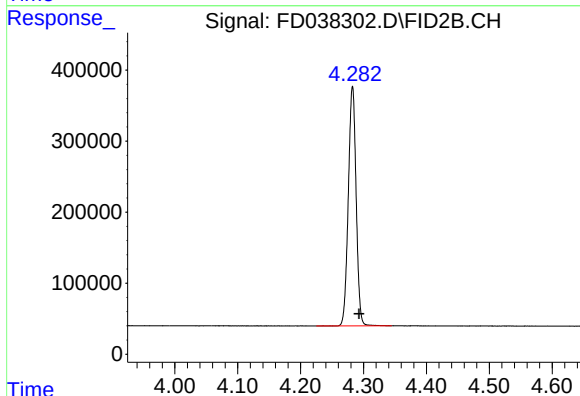
#1 n-Nonane (C9)

R.T.: 3.227 min
Delta R.T.: -0.011 min
Response: 2875178
Conc: 23.66 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

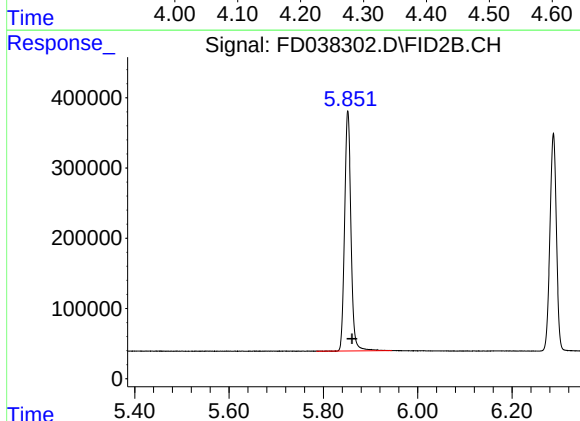
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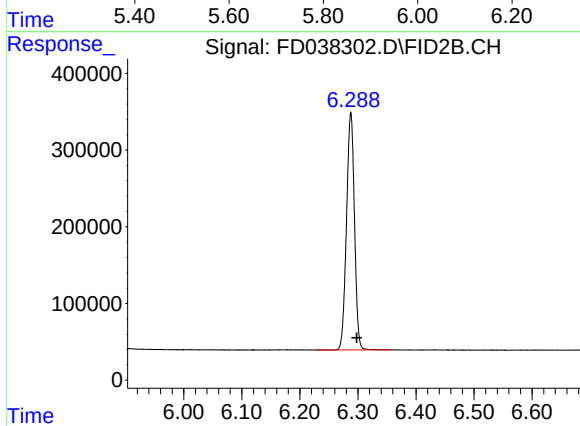
#2 n-Decane (C10)

R.T.: 4.282 min
Delta R.T.: -0.010 min
Response: 2911508
Conc: 23.80 ug/ml



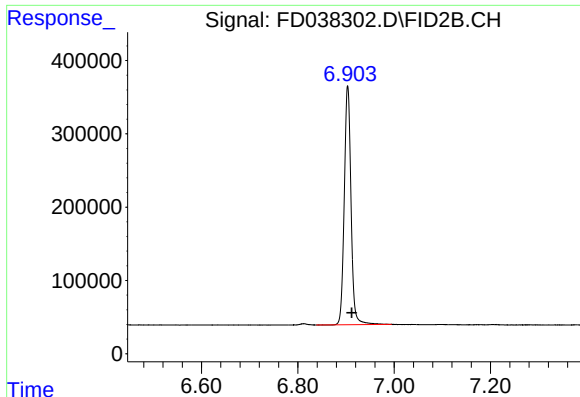
#3 A~Naphthalene (C11.7)

R.T.: 5.852 min
Delta R.T.: -0.009 min
Response: 3187116
Conc: 23.31 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.288 min
Delta R.T.: -0.010 min
Response: 2943243
Conc: 23.63 ug/ml



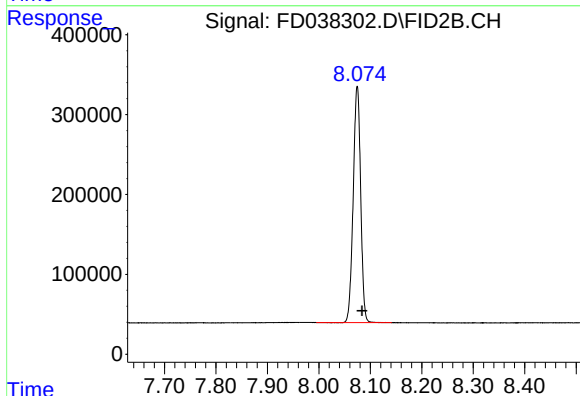
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.904 min
Delta R.T.: -0.008 min
Response: 3179314
Conc: 23.08 ug/ml

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20 PPM ALIPHATIC HC STD

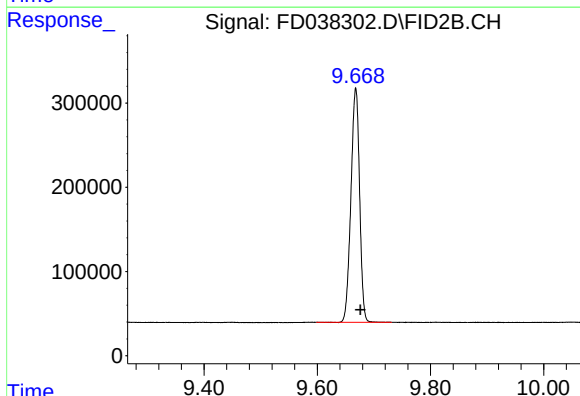
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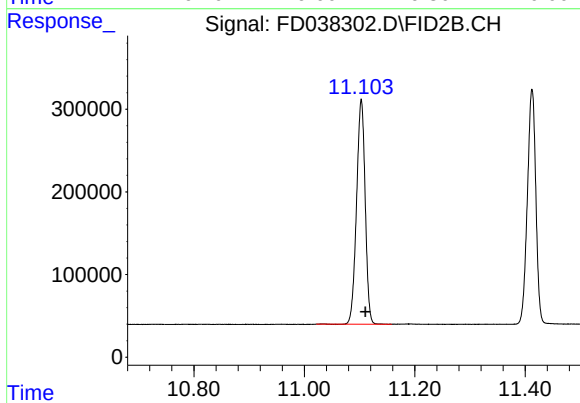
#6 n-Tetradecane (C14)

R.T.: 8.075 min
Delta R.T.: -0.009 min
Response: 2975710
Conc: 23.15 ug/ml



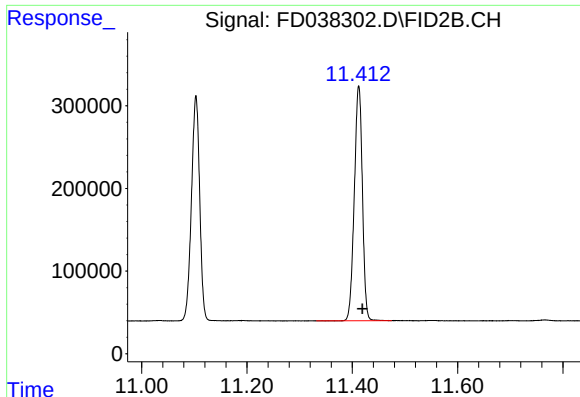
#7 n-Hexadecane (C16)

R.T.: 9.668 min
Delta R.T.: -0.008 min
Response: 2949647
Conc: 22.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.103 min
Delta R.T.: -0.008 min
Response: 2948177
Conc: 21.89 ug/ml



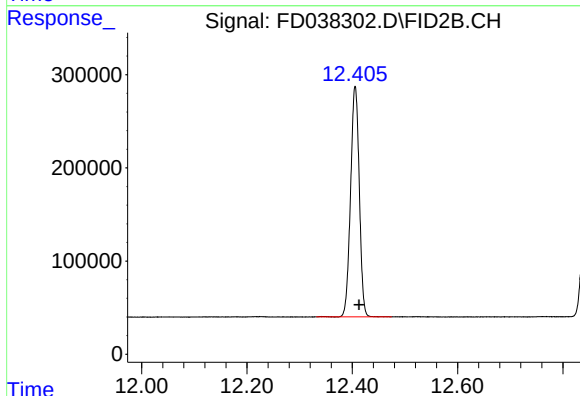
#9 ortho-Terphenyl (SURR)

R.T.: 11.412 min
Delta R.T.: -0.007 min
Response: 3022308
Conc: 20.91 ug/ml

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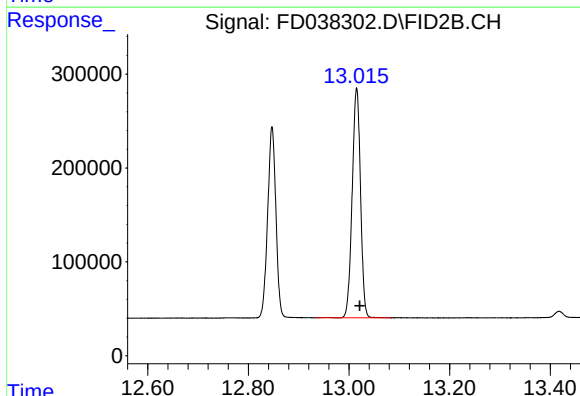
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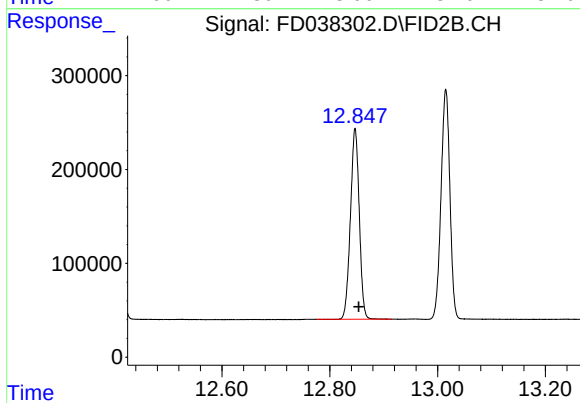
#10 n-Eicosane (C20)

R.T.: 12.406 min
Delta R.T.: -0.007 min
Response: 2831191
Conc: 21.08 ug/ml



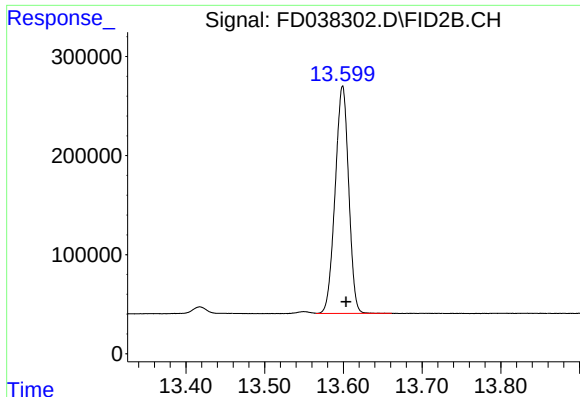
#11 n-Heneicosane (C21)

R.T.: 13.015 min
Delta R.T.: -0.006 min
Response: 2801518
Conc: 20.62 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.847 min
Delta R.T.: -0.006 min
Response: 2317204
Conc: 20.32 ug/ml



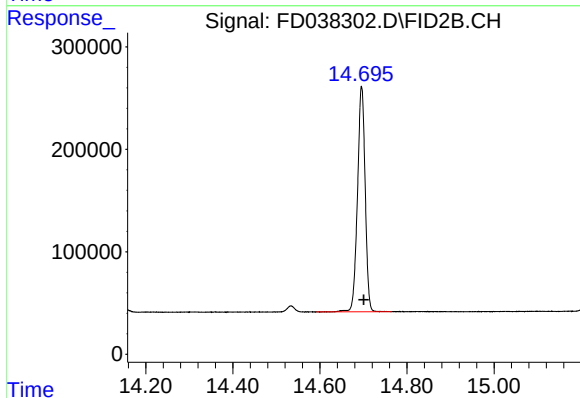
#13 n-Docosane (C22)

R.T.: 13.599 min
Delta R.T.: -0.005 min
Response: 2743087
Conc: 20.39 ug/ml

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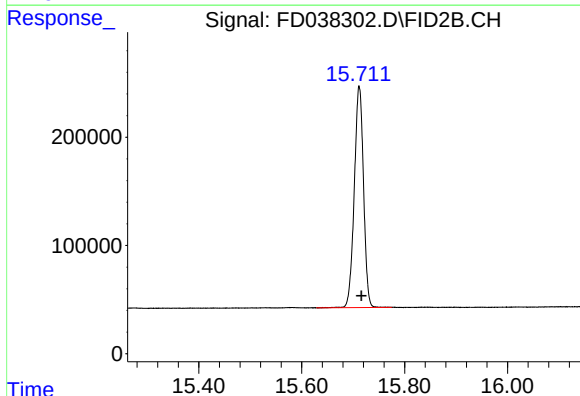
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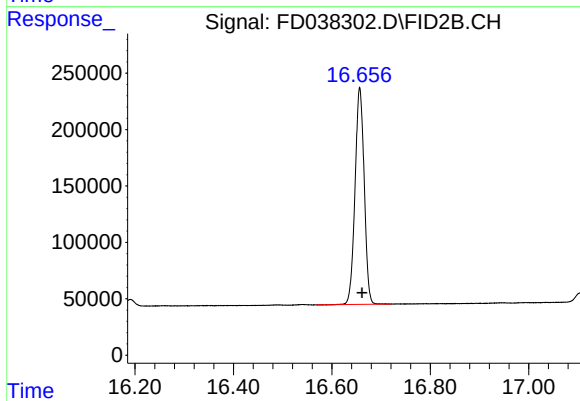
#14 n-Tetracosane (C24)

R.T.: 14.696 min
Delta R.T.: -0.005 min
Response: 2691780
Conc: 19.93 ug/ml



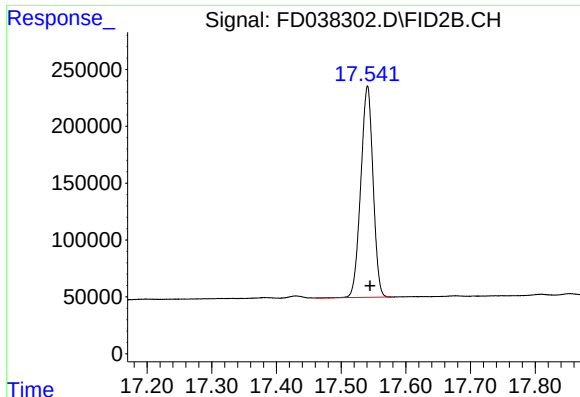
#15 n-Hexacosane (C26)

R.T.: 15.712 min
Delta R.T.: -0.004 min
Response: 2545551
Conc: 19.32 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.657 min
Delta R.T.: -0.005 min
Response: 2484239
Conc: 19.05 ug/ml



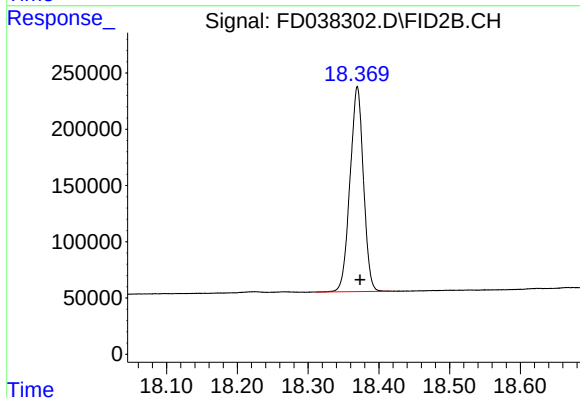
#17 n-Tricontane (C30)

R.T.: 17.541 min
Delta R.T.: -0.004 min
Response: 2443645
Conc: 19.12 ug/ml

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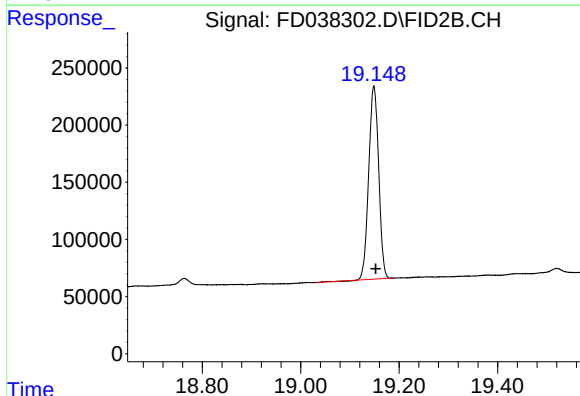
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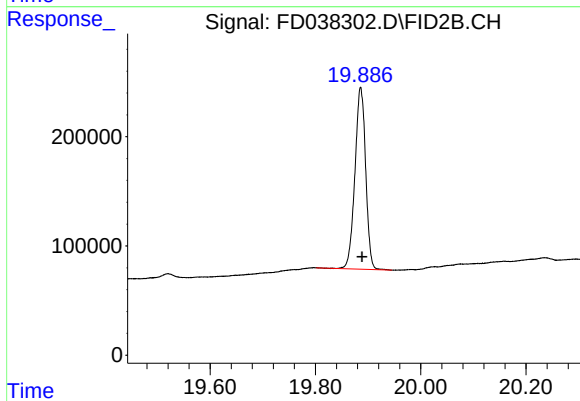
#18 n-Dotriacontane (C32)

R.T.: 18.370 min
Delta R.T.: -0.004 min
Response: 2406615
Conc: 19.56 ug/ml



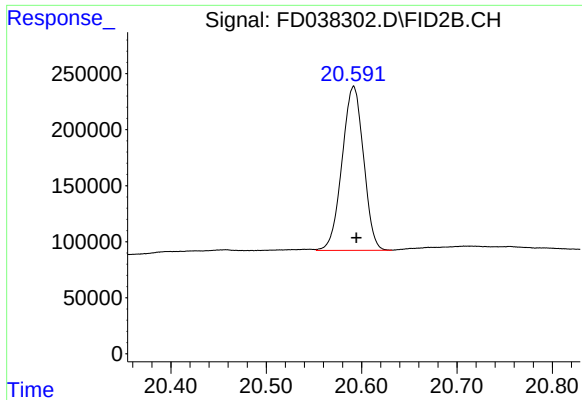
#19 n-Tetratriacontane (C34)

R.T.: 19.149 min
Delta R.T.: -0.004 min
Response: 2376712
Conc: 20.30 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.886 min
Delta R.T.: -0.003 min
Response: 2358956
Conc: 21.60 ug/ml



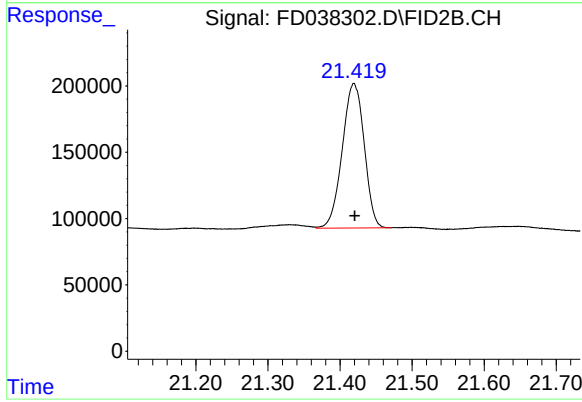
#21 n-Octatriacontane (C38)

R.T.: 20.591 min
Delta R.T.: -0.003 min
Response: 2293961
Conc: 22.78 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.419 min
Delta R.T.: -0.001 min
Response: 2301128
Conc: 23.53 ug/ml