

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071921AL\
 Data File : FD038265.D
 Signal(s) : FID2B.CH
 Acq On : 19 Jul 2021 15:23
 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
 7/20/2021 11:47:00 AM

Integration File: autoint1.e
 Quant Time: Jul 19 15:50:25 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)	11.416	2824411	19.539 ug/ml
Spiked Amount 50.000		Recovery =	39.08%
12) S 1-chlorooctadecane (S...	12.852	2157076	18.920 ug/ml
Spiked Amount 50.000		Recovery =	37.84%
Target Compounds			
1) T n-Nonane (C9)	3.228	2692369	22.157 ug/ml
2) T n-Decane (C10)	4.284	2715990	22.205 ug/ml
3) T A~Naphthalene (C11.7)	5.855	2990867	21.879 ug/ml
4) T n-Dodecane (C12)	6.290	2746452	22.051 ug/ml
5) T A~2-methylnaphthalene...	6.907	2974787	21.597 ug/ml
6) T n-Tetradecane (C14)	8.077	2780699	21.635 ug/ml
7) T n-Hexadecane (C16)	9.670	2751416	21.232 ug/ml
8) T n-Octadecane (C18)	11.106	2750228	20.421 ug/ml
10) T n-Eicosane (C20)	12.410	2640292	19.657 ug/ml
11) T n-Heneicosane (C21)	13.019	2612886	19.232 ug/ml
13) T n-Docosane (C22)	13.603	2542769	18.898 ug/ml
14) T n-Tetracosane (C24)	14.700	2458341	18.206 ug/ml
15) T n-Hexacosane (C26)	15.717	2317690	17.591 ug/ml
16) T n-Octacosane (C28)	16.662	2240152	17.181 ug/ml
17) T n-Tricontane (C30)	17.546	2205206	17.256 ug/ml
18) T n-Dotriacontane (C32)	18.374	2168802	17.626 ug/ml
19) T n-Tetratriacontane (C34)	19.155	2185937	18.667 ug/ml
20) T n-Hexatriacontane (C36)	19.892	2142004	19.614 ug/ml
21) T n-Octatriacontane (C38)	20.598	2102316	20.873 ug/mlm
22) T n-Tetracontane (C40)	21.429	2161512	22.100 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 52 Sample Multiplier: 1

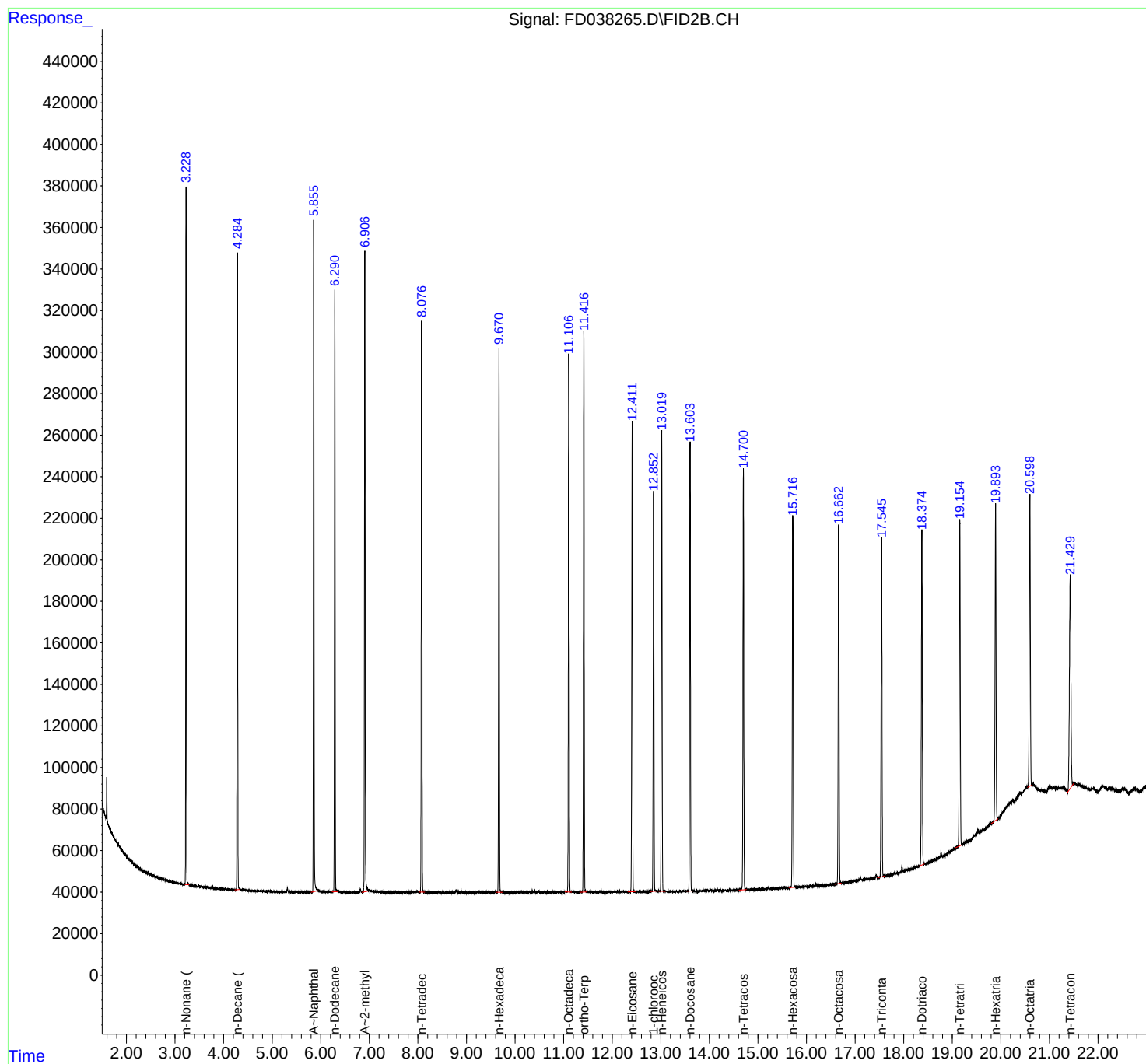
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20 PPM ALIPHATIC HC STD

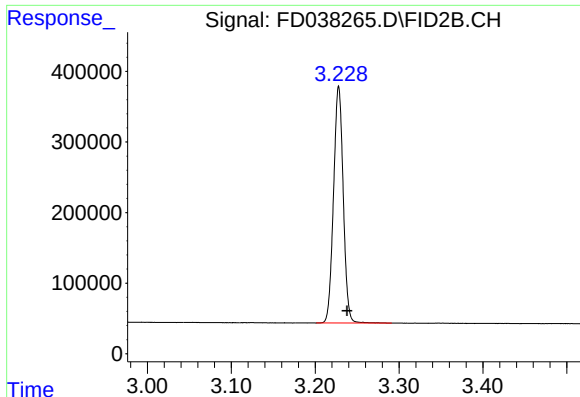
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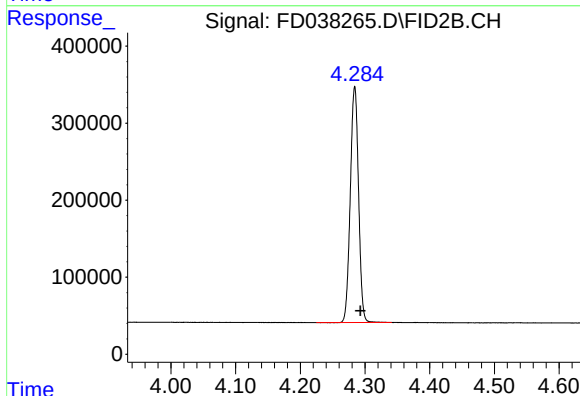
#1 n-Nonane (C9)

R.T.: 3.228 min
Delta R.T.: -0.010 min
Response: 2692369
Conc: 22.16 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD

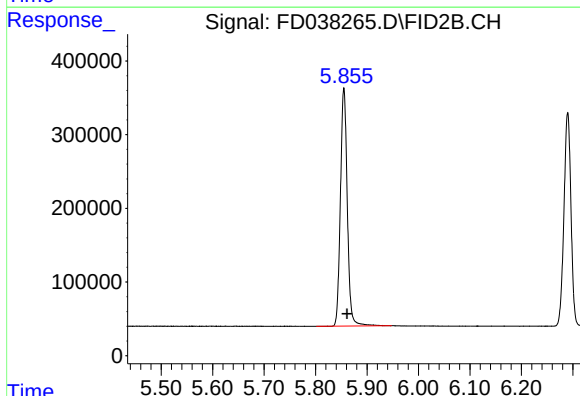
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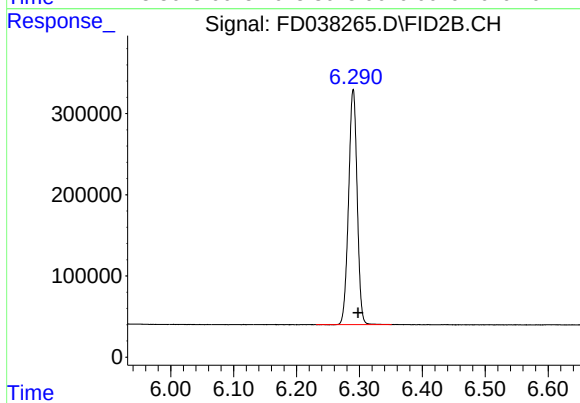
#2 n-Decane (C10)

R.T.: 4.284 min
Delta R.T.: -0.009 min
Response: 2715990
Conc: 22.21 ug/ml



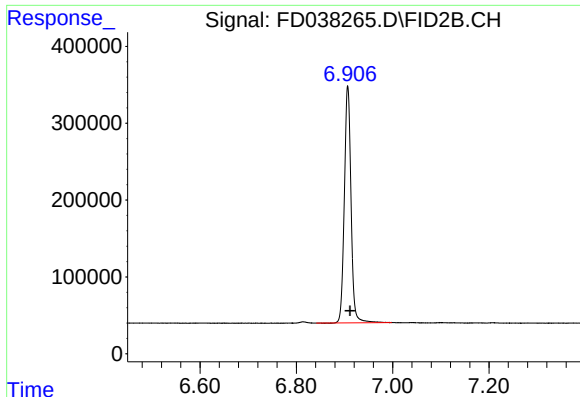
#3 A~Naphthalene (C11.7)

R.T.: 5.855 min
Delta R.T.: -0.006 min
Response: 2990867
Conc: 21.88 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.290 min
Delta R.T.: -0.008 min
Response: 2746452
Conc: 22.05 ug/ml



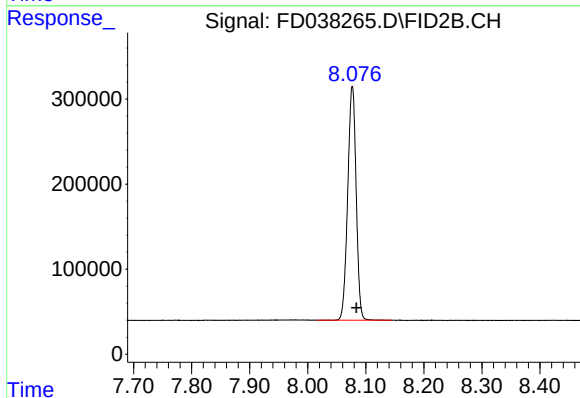
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.907 min
Delta R.T.: -0.005 min
Response: 2974787
Conc: 21.60 ug/ml

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20 PPM ALIPHATIC HC STD

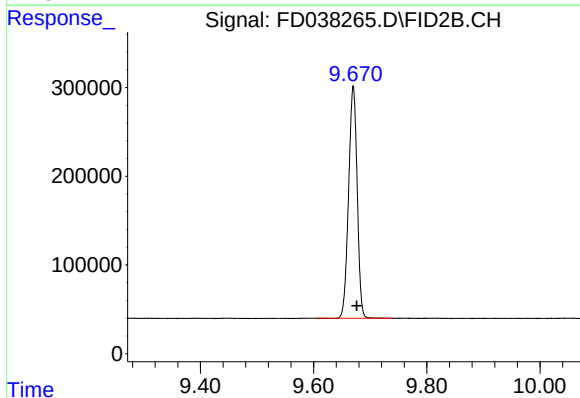
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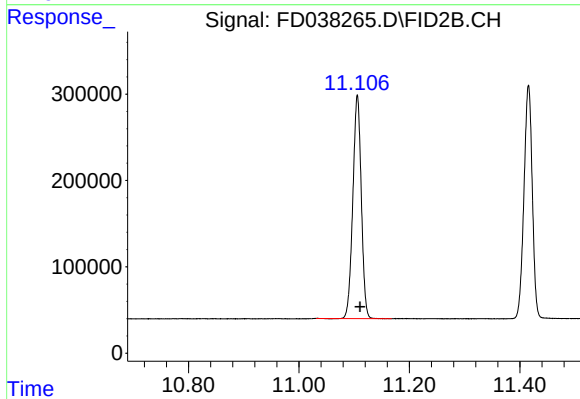
#6 n-Tetradecane (C14)

R.T.: 8.077 min
Delta R.T.: -0.007 min
Response: 2780699
Conc: 21.63 ug/ml



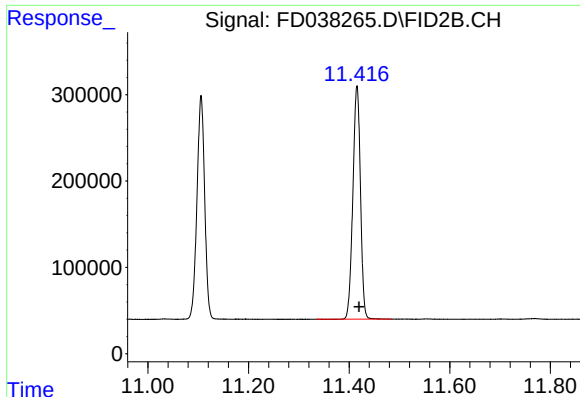
#7 n-Hexadecane (C16)

R.T.: 9.670 min
Delta R.T.: -0.006 min
Response: 2751416
Conc: 21.23 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.106 min
Delta R.T.: -0.005 min
Response: 2750228
Conc: 20.42 ug/ml



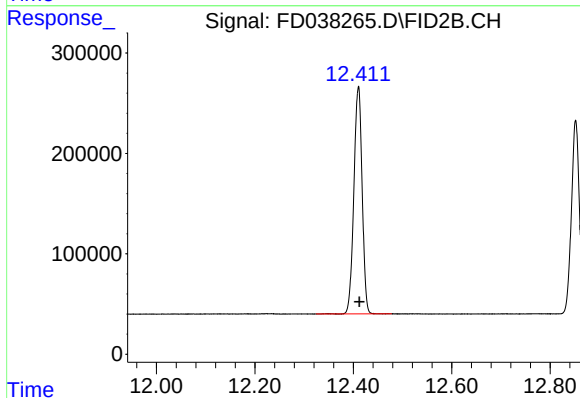
#9 ortho-Terphenyl (SURR)

R.T.: 11.416 min
Delta R.T.: -0.004 min
Response: 2824411
Conc: 19.54 ug/ml

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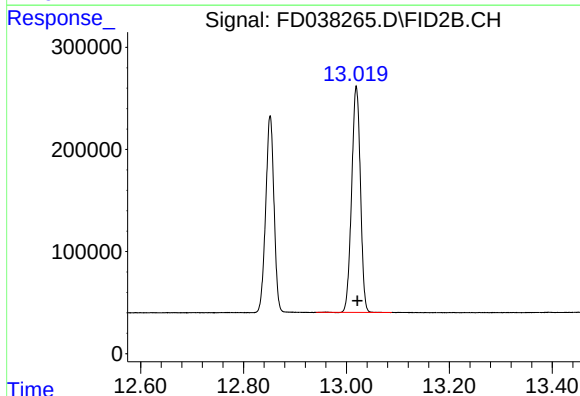
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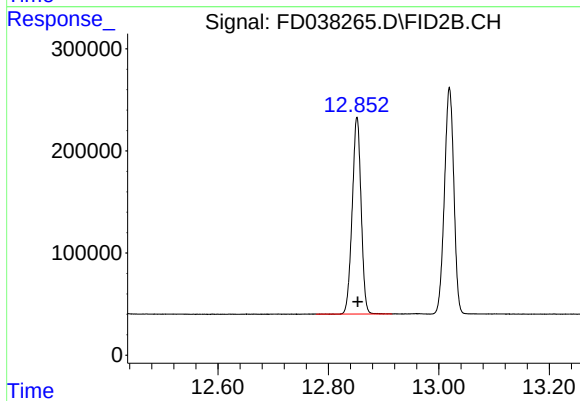
#10 n-Eicosane (C20)

R.T.: 12.410 min
Delta R.T.: -0.002 min
Response: 2640292
Conc: 19.66 ug/ml



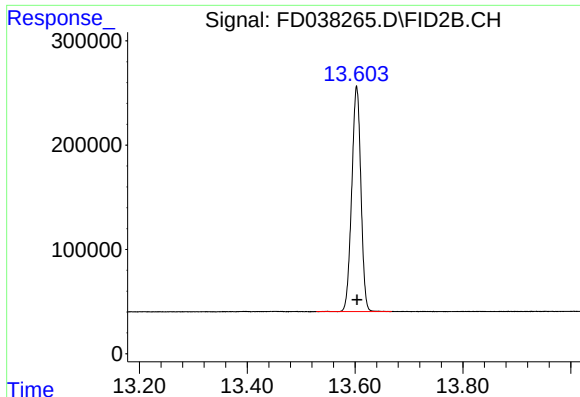
#11 n-Heneicosane (C21)

R.T.: 13.019 min
Delta R.T.: -0.002 min
Response: 2612886
Conc: 19.23 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.852 min
Delta R.T.: -0.002 min
Response: 2157076
Conc: 18.92 ug/ml



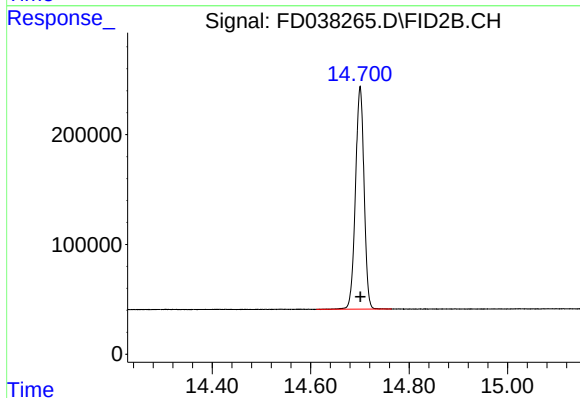
#13 n-Docosane (C22)

R.T.: 13.603 min
Delta R.T.: 0.000 min
Response: 2542769
Conc: 18.90 ug/ml

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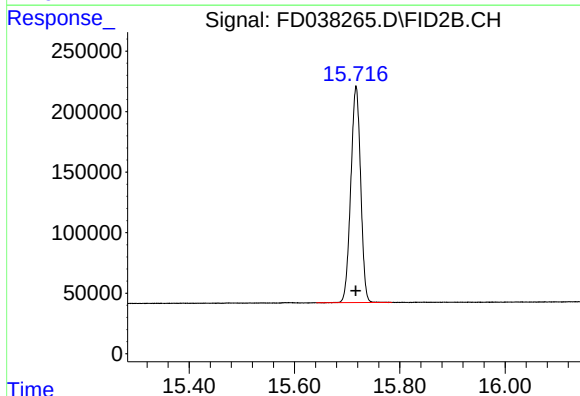
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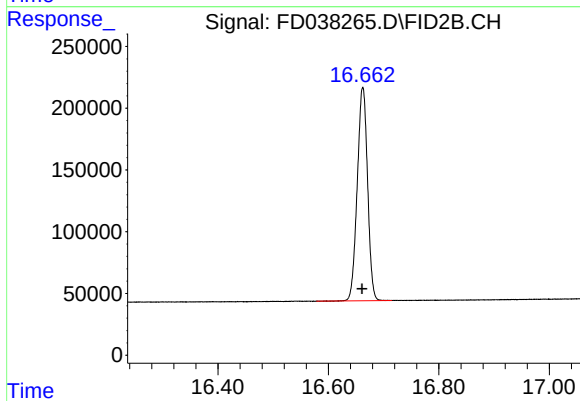
#14 n-Tetracosane (C24)

R.T.: 14.700 min
Delta R.T.: 0.000 min
Response: 2458341
Conc: 18.21 ug/ml



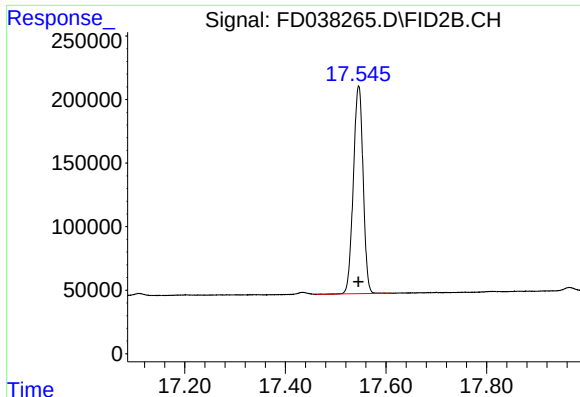
#15 n-Hexacosane (C26)

R.T.: 15.717 min
Delta R.T.: 0.000 min
Response: 2317690
Conc: 17.59 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.662 min
Delta R.T.: 0.000 min
Response: 2240152
Conc: 17.18 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.546 min

Delta R.T.: 0.000 min

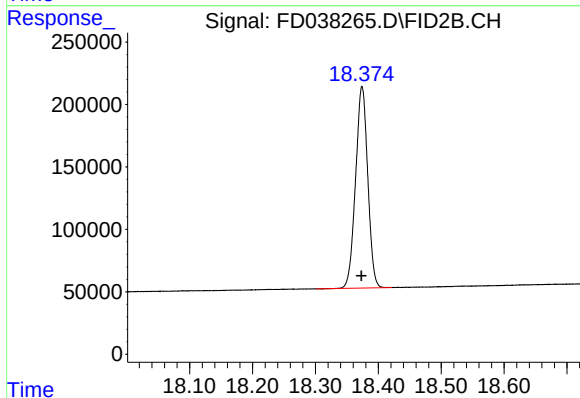
Response: 2205206

Conc: 17.26 ug/ml

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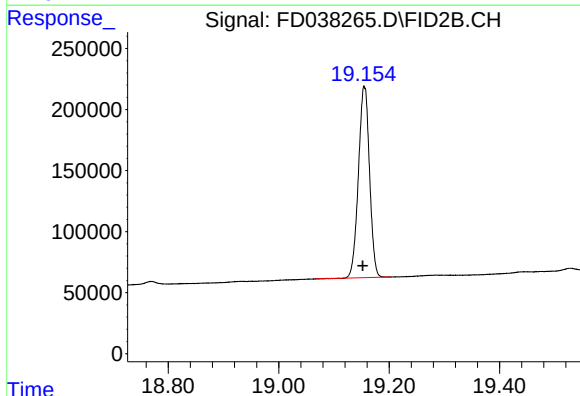
#18 n-Dotriacontane (C32)

R.T.: 18.374 min

Delta R.T.: 0.000 min

Response: 2168802

Conc: 17.63 ug/ml



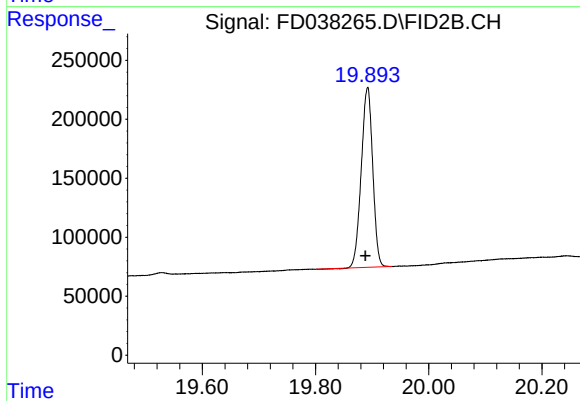
#19 n-Tetratriacontane (C34)

R.T.: 19.155 min

Delta R.T.: 0.003 min

Response: 2185937

Conc: 18.67 ug/ml



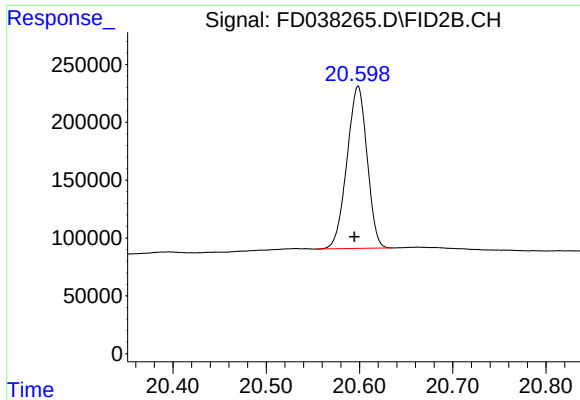
#20 n-Hexatriacontane (C36)

R.T.: 19.892 min

Delta R.T.: 0.003 min

Response: 2142004

Conc: 19.61 ug/ml



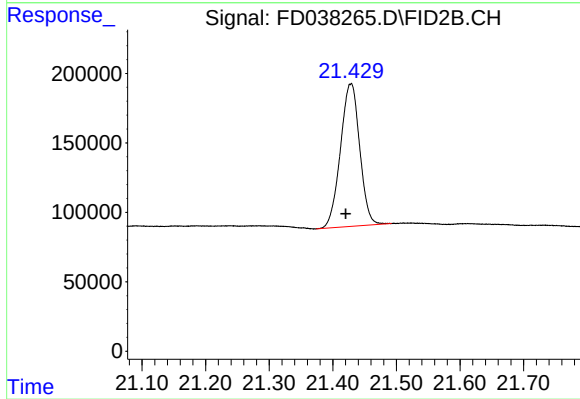
#21 n-Octatriacontane (C38)

R.T.: 20.598 min
Delta R.T.: 0.004 min
Response: 2102316
Conc: 20.87 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.429 min
Delta R.T.: 0.009 min
Response: 2161512
Conc: 22.10 ug/ml m