

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121222AL\
 Data File : FD044642.D
 Signal(s) : FID2B.ch
 Acq On : 12 Dec 2022 22:37
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/13/2022
 Supervised By :Ankita Jodhani 12/13/2022

Integration File: autoint1.e
 Quant Time: Dec 13 03:30:13 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 112922.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 29 03:56:58 2022
 Response via : Initial Calibration
 Integrator: ChemStation

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)	11.566	2653946	17.427 ug/ml
Spiked Amount 50.000		Recovery =	34.85%
12) S 1-chlorooctadecane (S...	12.989	2035999	17.470 ug/ml
Spiked Amount 50.000		Recovery =	34.94%
Target Compounds			
1) T n-Nonane (C9)	3.401	2496814	18.393 ug/ml
2) T n-Decane (C10)	4.458	2463796	18.444 ug/ml
3) T A~Naphthalene (C11.7)	6.029	2814309	18.129 ug/ml
4) T n-Dodecane (C12)	6.455	2476611	18.210 ug/ml
5) T A~2-methylnaphthalene...	7.073	2647701	17.966 ug/ml
6) T n-Tetradecane (C14)	8.234	2468374	17.887 ug/ml
7) T n-Hexadecane (C16)	9.821	2484269	17.718 ug/ml
8) T n-Octadecane (C18)	11.251	2473135	17.653 ug/ml
10) T n-Eicosane (C20)	12.550	2375820	17.594 ug/ml
11) T n-Heneicosane (C21)	13.156	2374226	17.568 ug/ml
13) T n-Docosane (C22)	13.737	2369489	17.802 ug/ml
14) T n-Tetracosane (C24)	14.830	2432315	18.555 ug/ml
15) T n-Hexacosane (C26)	15.841	2428275	19.176 ug/ml
16) T n-Octacosane (C28)	16.782	2475365	20.083 ug/ml
17) T n-Tricontane (C30)	17.660	2518819	20.877 ug/mlm
18) T n-Dotriacontane (C32)	18.485	2585570	21.617 ug/mlm
19) T n-Tetratriacontane (C34)	19.260	2470495	20.873 ug/mlm
20) T n-Hexatriacontane (C36)	19.993	2275561	20.075 ug/mlm
21) T n-Octatriacontane (C38)	20.705	2189022	19.330 ug/ml
22) T n-Tetracontane (C40)	21.571	2514389	22.234 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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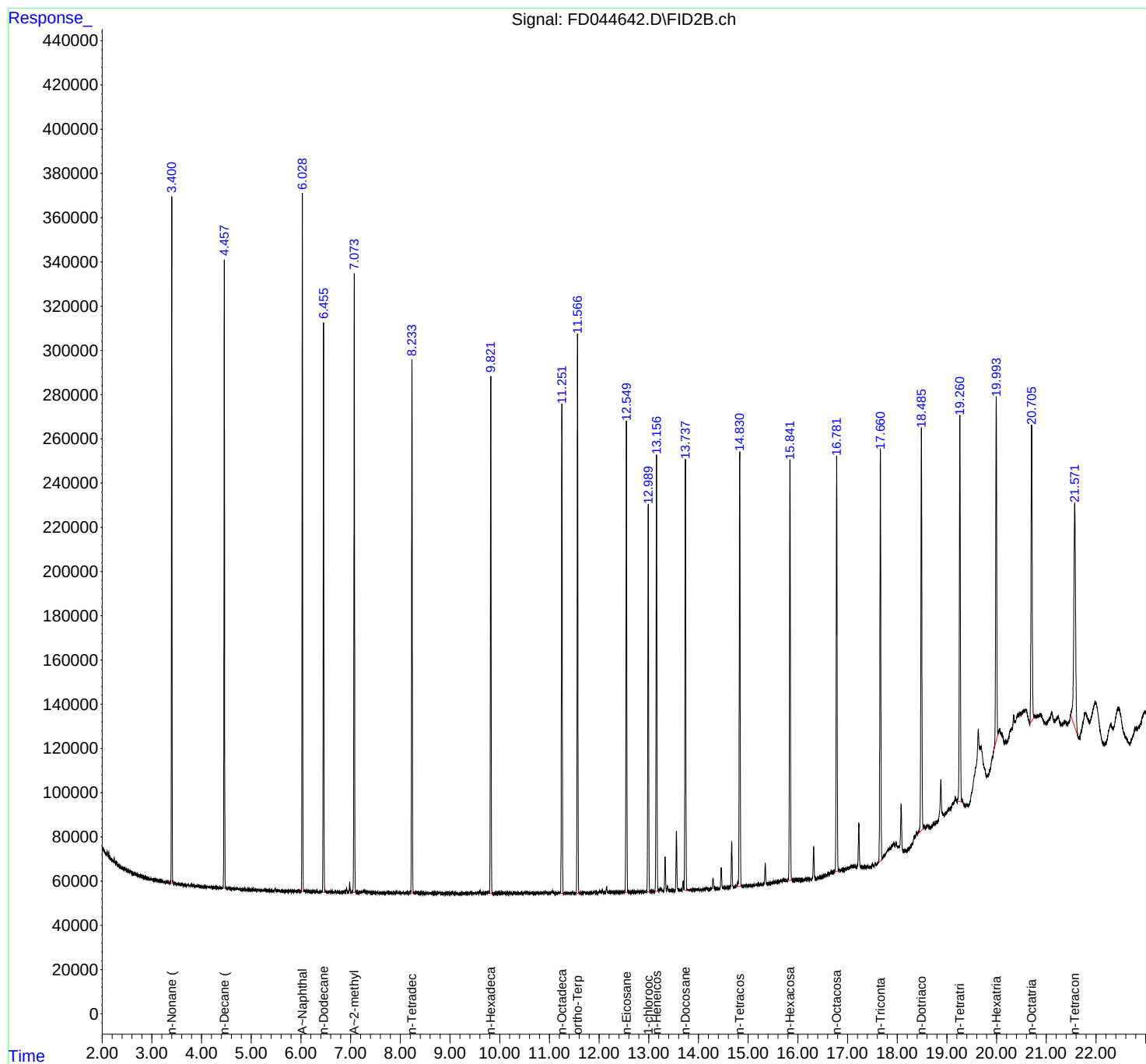
Instrument :
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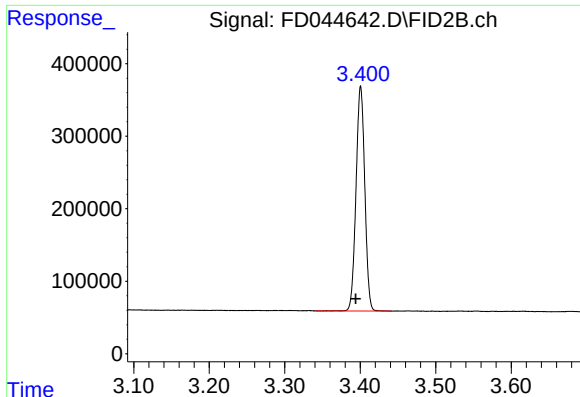
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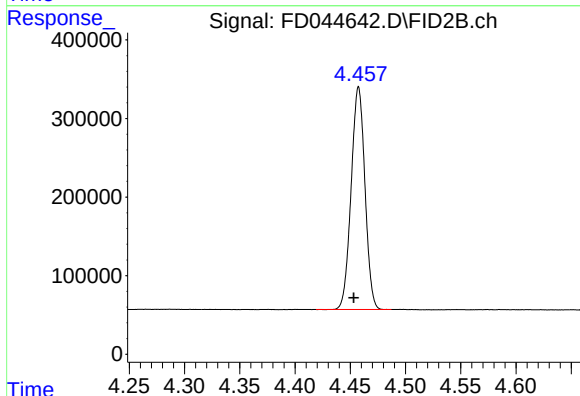
#1 n-Nonane (C9)

R.T.: 3.401 min
Delta R.T.: 0.007 min
Response: 2496814
Conc: 18.39 ug/ml

Instrument :
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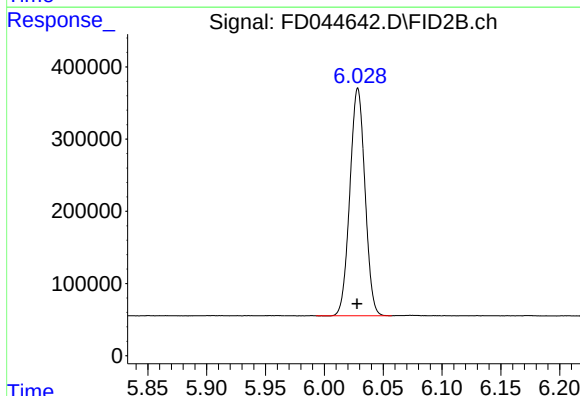
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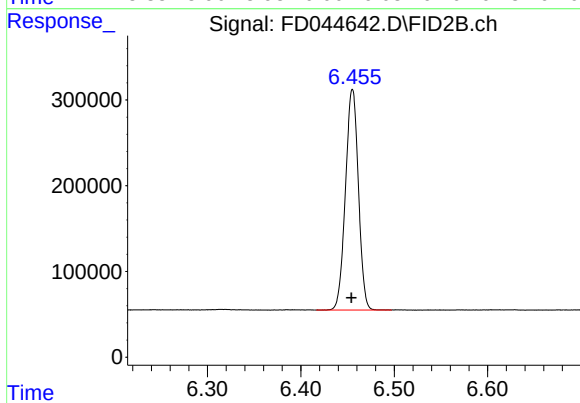
#2 n-Decane (C10)

R.T.: 4.458 min
Delta R.T.: 0.005 min
Response: 2463796
Conc: 18.44 ug/ml



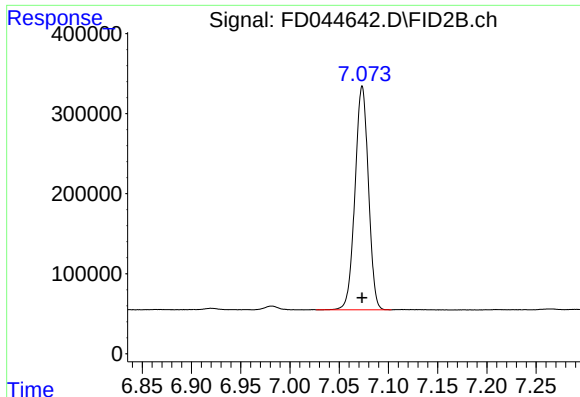
#3 A~Naphthalene (C11.7)

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 2814309
Conc: 18.13 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.455 min
Delta R.T.: 0.001 min
Response: 2476611
Conc: 18.21 ug/ml



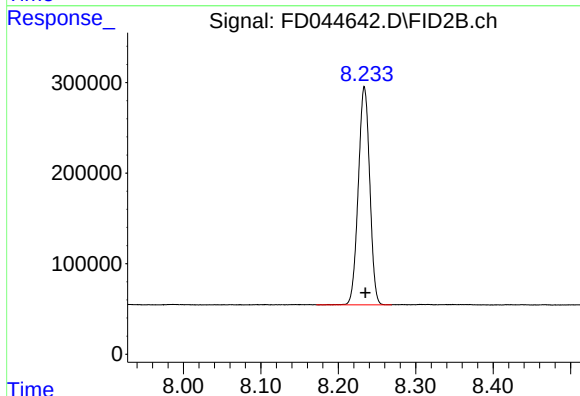
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.073 min
Delta R.T.: 0.000 min
Response: 2647701
Conc: 17.97 ug/ml

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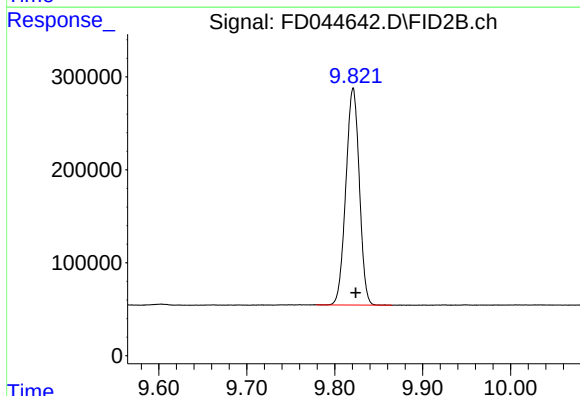
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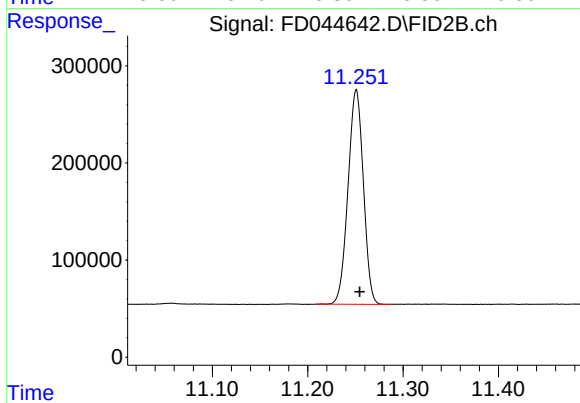
#6 n-Tetradecane (C14)

R.T.: 8.234 min
Delta R.T.: -0.002 min
Response: 2468374
Conc: 17.89 ug/ml



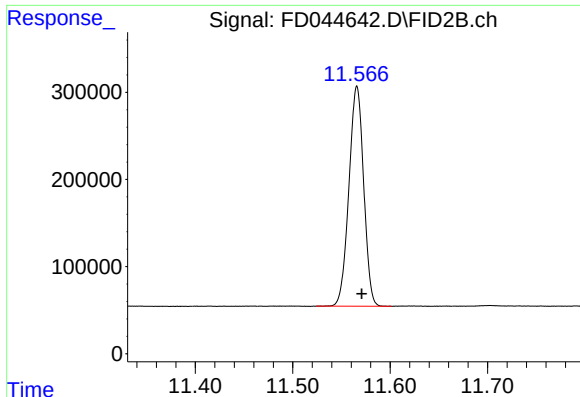
#7 n-Hexadecane (C16)

R.T.: 9.821 min
Delta R.T.: -0.003 min
Response: 2484269
Conc: 17.72 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.251 min
Delta R.T.: -0.004 min
Response: 2473135
Conc: 17.65 ug/ml



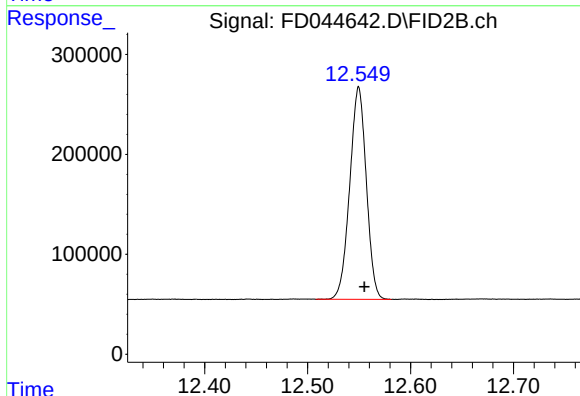
#9 ortho-Terphenyl (SURR)

R.T.: 11.566 min
Delta R.T.: -0.005 min
Response: 2653946
Conc: 17.43 ug/ml

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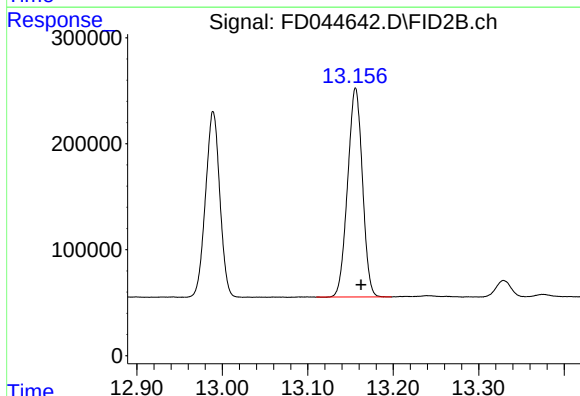
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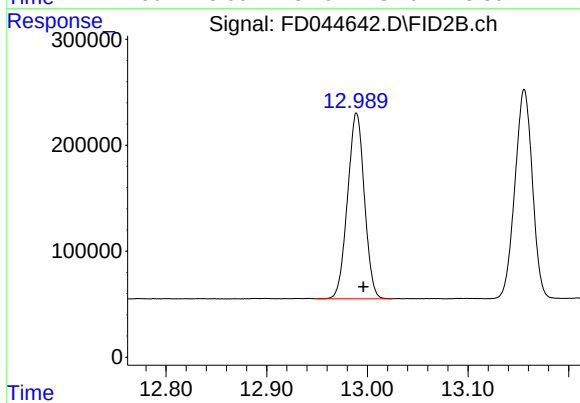
#10 n-Eicosane (C20)

R.T.: 12.550 min
Delta R.T.: -0.005 min
Response: 2375820
Conc: 17.59 ug/ml



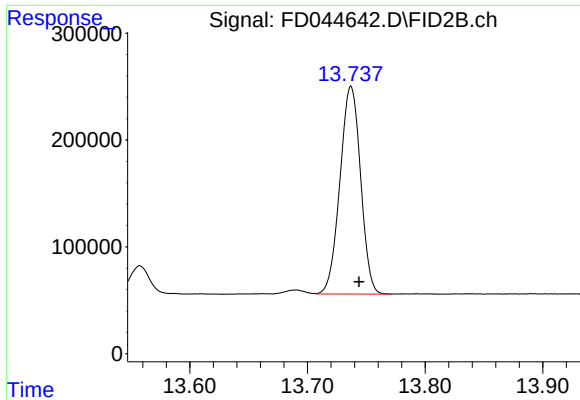
#11 n-Heneicosane (C21)

R.T.: 13.156 min
Delta R.T.: -0.006 min
Response: 2374226
Conc: 17.57 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.989 min
Delta R.T.: -0.007 min
Response: 2035999
Conc: 17.47 ug/ml



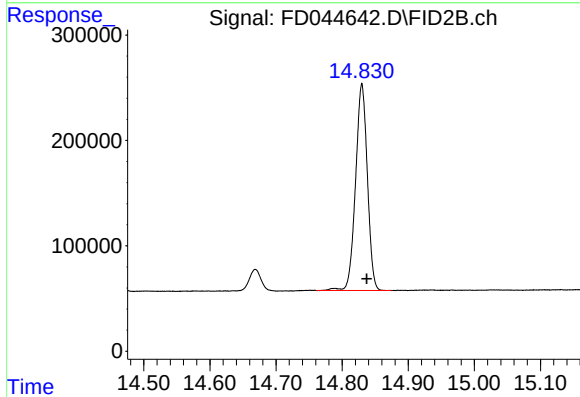
#13 n-Docosane (C22)

R.T.: 13.737 min
Delta R.T.: -0.007 min
Response: 2369489
Conc: 17.80 ug/ml

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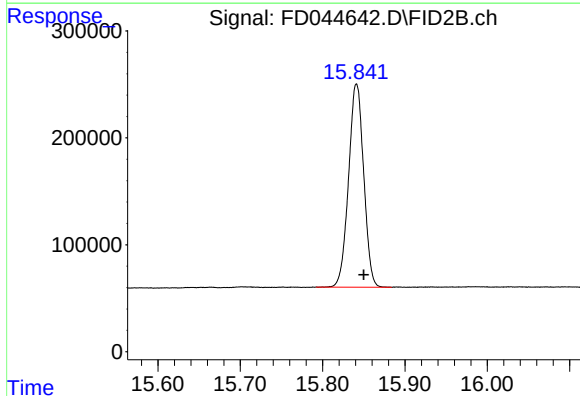
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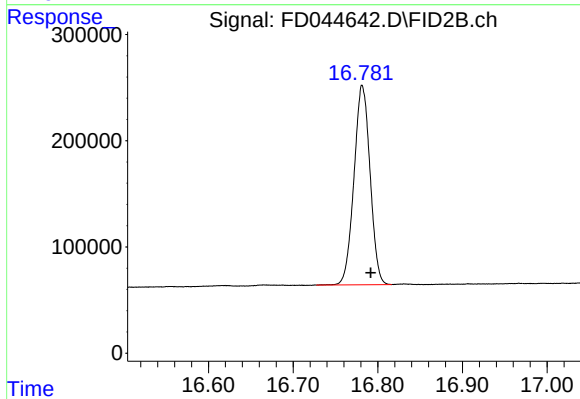
#14 n-Tetracosane (C24)

R.T.: 14.830 min
Delta R.T.: -0.007 min
Response: 2432315
Conc: 18.55 ug/ml



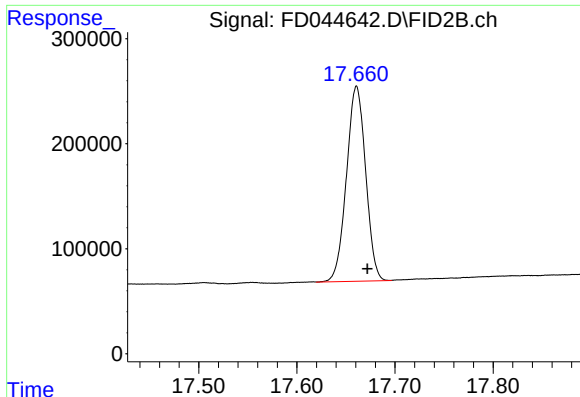
#15 n-Hexacosane (C26)

R.T.: 15.841 min
Delta R.T.: -0.009 min
Response: 2428275
Conc: 19.18 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.782 min
Delta R.T.: -0.010 min
Response: 2475365
Conc: 20.08 ug/ml



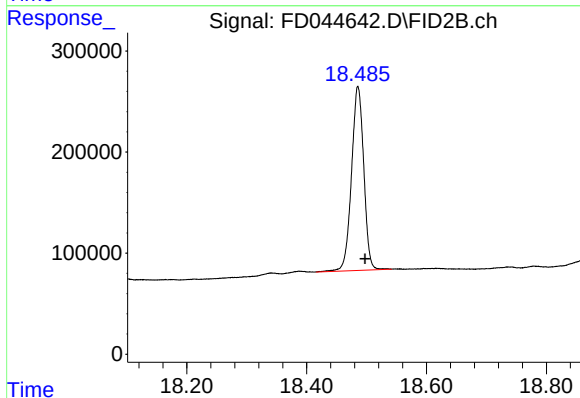
#17 n-Tricontane (C30)

R.T.: 17.660 min
Delta R.T.: -0.011 min
Response: 2518819
Conc: 20.88 ug/ml

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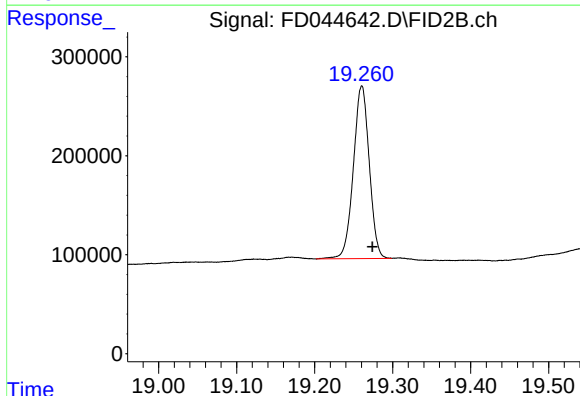
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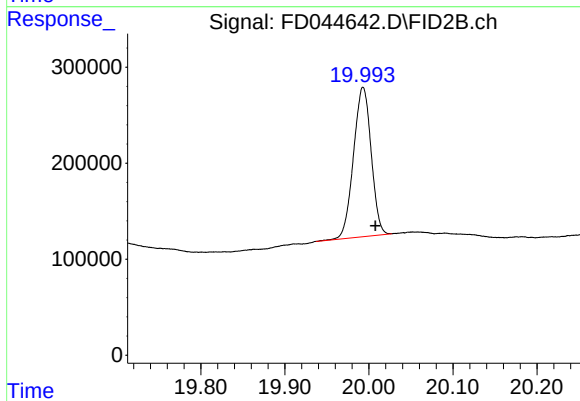
#18 n-Dotriacontane (C32)

R.T.: 18.485 min
Delta R.T.: -0.012 min
Response: 2585570
Conc: 21.62 ug/ml m



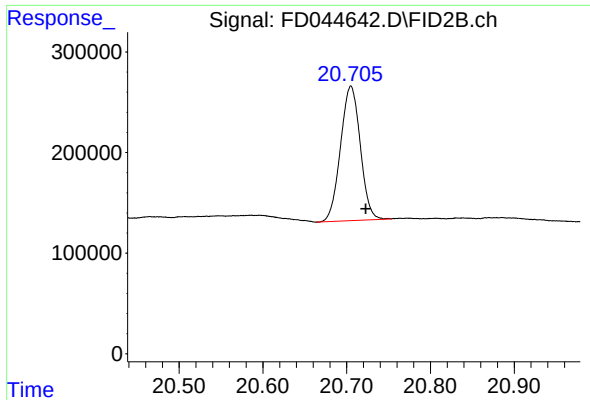
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: -0.014 min
Response: 2470495
Conc: 20.87 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.993 min
Delta R.T.: -0.015 min
Response: 2275561
Conc: 20.07 ug/ml m



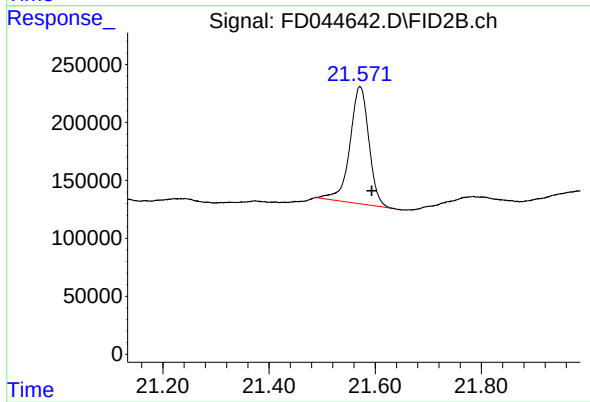
#21 n-Octatriacontane (C38)

R.T.: 20.705 min
Delta R.T.: -0.018 min
Response: 2189022
Conc: 19.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.571 min
Delta R.T.: -0.022 min
Response: 2514389
Conc: 22.23 ug/ml m