

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121721AL\
 Data File : FD039991.D
 Signal(s) : FID2B.CH
 Acq On : 17 Dec 2021 10:45
 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

Reviewed By :Yogesh Patel 12/20/2021
 Supervised By :Ankita Jodhani 12/23/2021

Integration File: autoint1.e
 Quant Time: Dec 17 23:39:08 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 121521.M
 Quant Title : GC Extractables
 QLast Update : Wed Dec 15 16:44:55 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)	10.763	3263955	20.791 ug/ml
Spiked Amount 50.000		Recovery =	41.58%
12) S 1-chlorooctadecane (S...	12.197	2583161	20.917 ug/ml
Spiked Amount 50.000		Recovery =	41.83%
Target Compounds			
1) T n-Nonane (C9)	2.663	2954726	20.997 ug/ml
2) T n-Decane (C10)	3.664	3007860	21.089 ug/ml
3) T A~Naphthalene (C11.7)	5.213	3380467	21.059 ug/ml
4) T n-Dodecane (C12)	5.644	3004248	21.041 ug/ml
5) T A~2-methylnaphthalene...	6.256	3416386	21.170 ug/ml
6) T n-Tetradecane (C14)	7.427	3053030	21.183 ug/ml
7) T n-Hexadecane (C16)	9.018	3063528	21.058 ug/ml
8) T n-Octadecane (C18)	10.454	3126239	21.009 ug/ml
10) T n-Eicosane (C20)	11.757	3085663	21.098 ug/ml
11) T n-Heneicosane (C21)	12.366	3076860	20.942 ug/ml
13) T n-Docosane (C22)	12.950	3019568	20.678 ug/mlm
14) T n-Tetracosane (C24)	14.049	3029080	20.798 ug/mlm
15) T n-Hexacosane (C26)	15.066	2935318	20.928 ug/ml
16) T n-Octacosane (C28)	16.014	2817706	20.776 ug/mlm
17) T n-Tricontane (C30)	16.896	2768263	21.185 ug/mlm
18) T n-Dotriacontane (C32)	17.728	2679338	21.529 ug/mlm
19) T n-Tetratriacontane (C34)	18.511	2606185	21.578 ug/mlm
20) T n-Hexatriacontane (C36)	19.247	2467064	21.452 ug/mlm
21) T n-Octatriacontane (C38)	19.962	2349782	21.051 ug/mlm
22) T n-Tetracontane (C40)	20.815	2353469	20.654 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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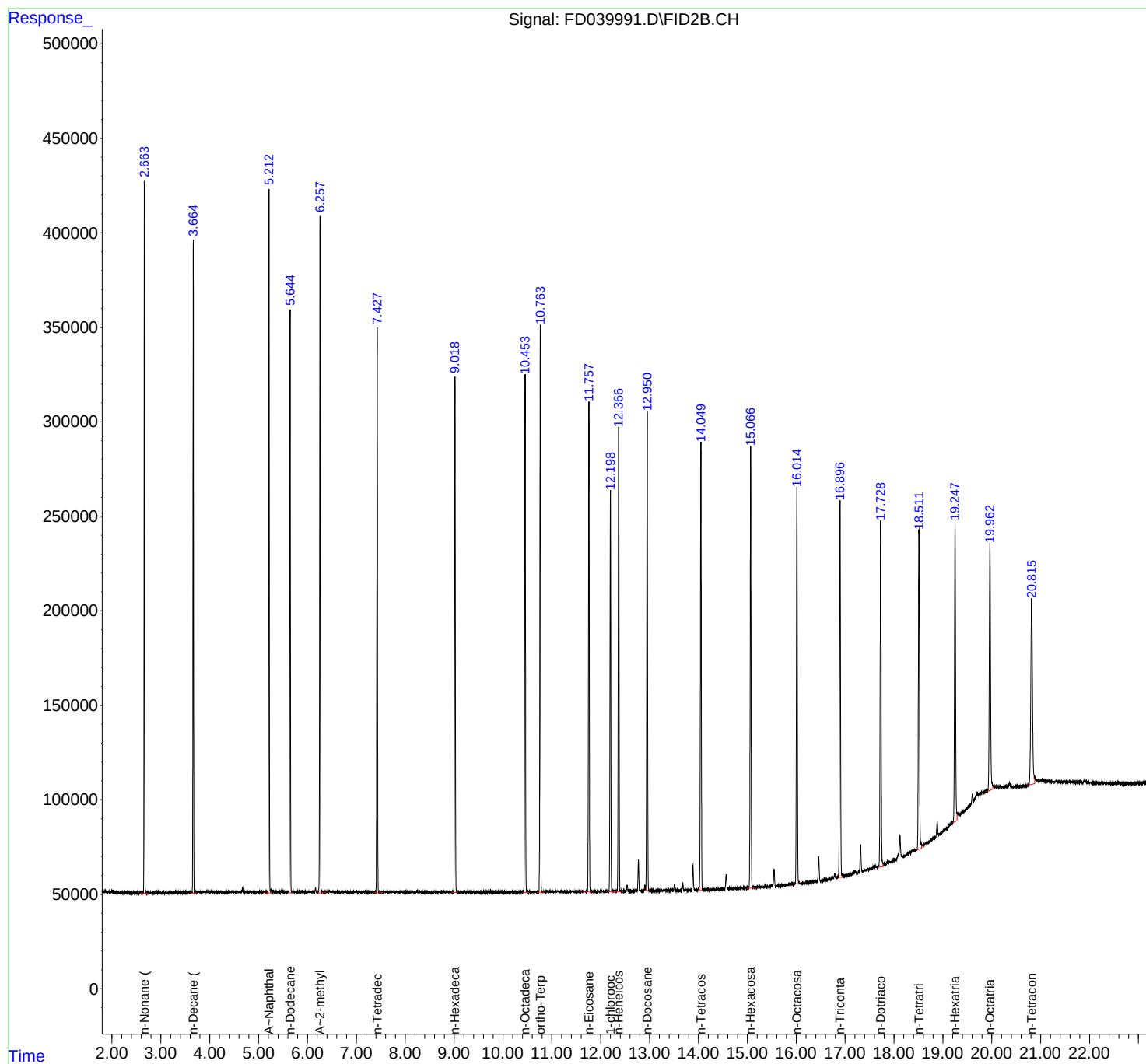
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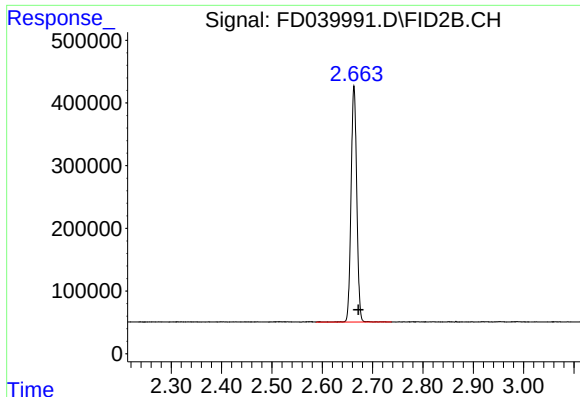
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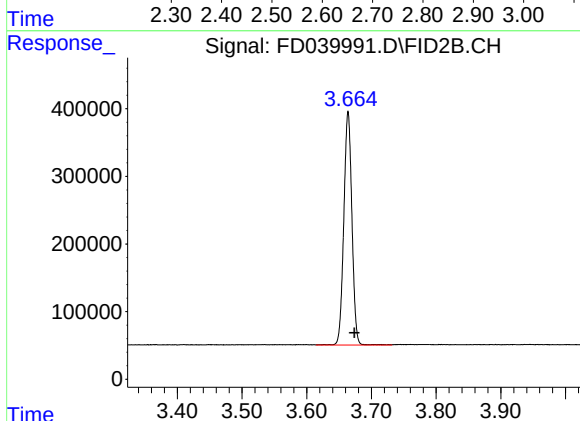
#1 n-Nonane (C9)

R.T.: 2.663 min
Delta R.T.: -0.009 min
Response: 2954726
Conc: 21.00 ug/ml

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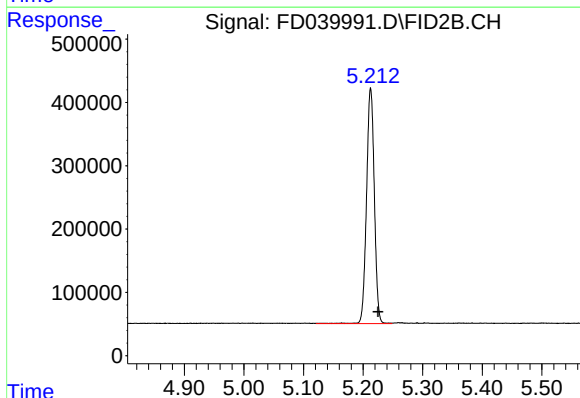
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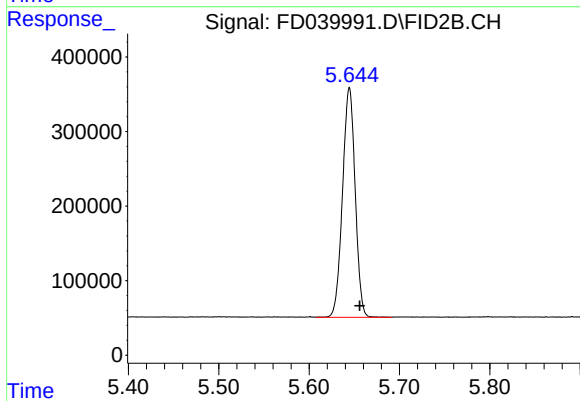
#2 n-Decane (C10)

R.T.: 3.664 min
Delta R.T.: -0.010 min
Response: 3007860
Conc: 21.09 ug/ml



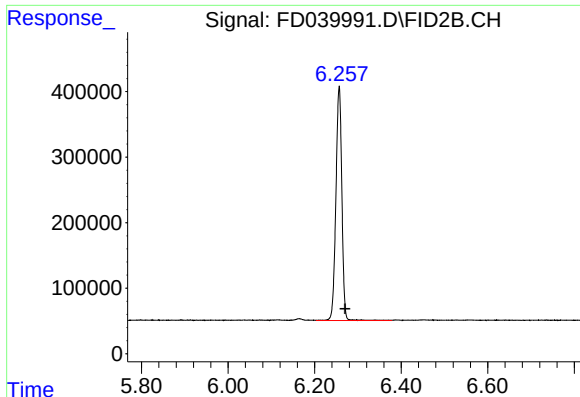
#3 A~Naphthalene (C11.7)

R.T.: 5.213 min
Delta R.T.: -0.012 min
Response: 3380467
Conc: 21.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.644 min
Delta R.T.: -0.012 min
Response: 3004248
Conc: 21.04 ug/ml



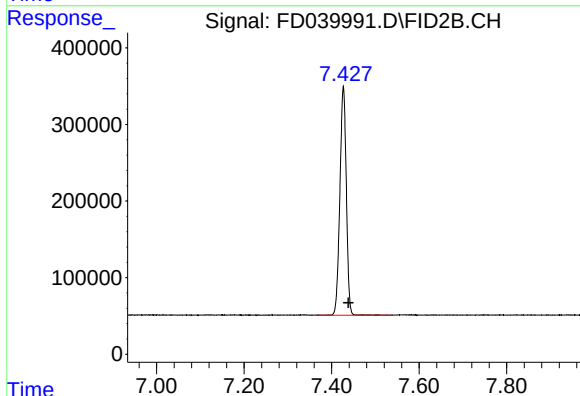
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.256 min
Delta R.T.: -0.014 min
Response: 3416386
Conc: 21.17 ug/ml

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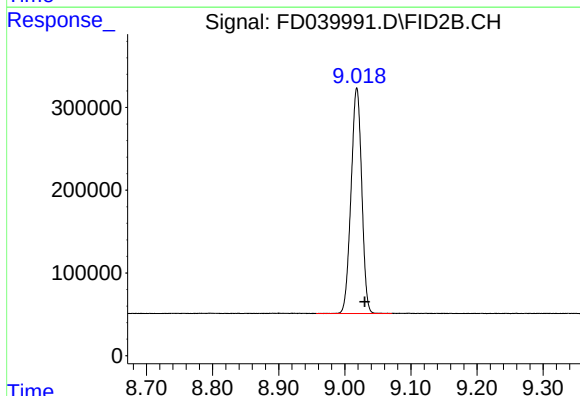
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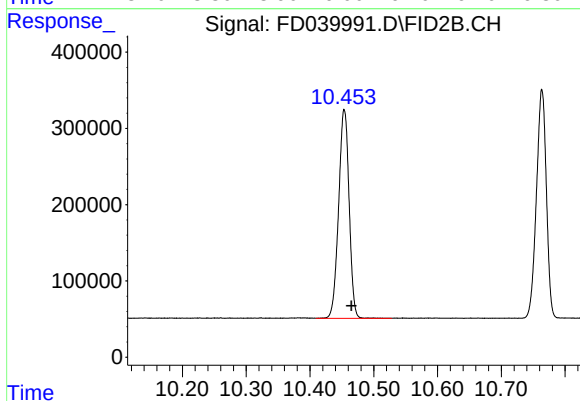
#6 n-Tetradecane (C14)

R.T.: 7.427 min
Delta R.T.: -0.011 min
Response: 3053030
Conc: 21.18 ug/ml



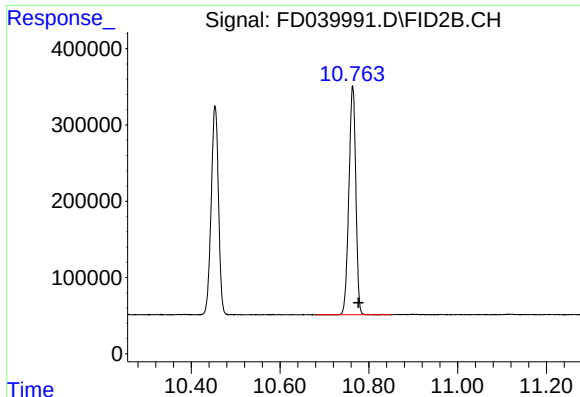
#7 n-Hexadecane (C16)

R.T.: 9.018 min
Delta R.T.: -0.012 min
Response: 3063528
Conc: 21.06 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.454 min
Delta R.T.: -0.011 min
Response: 3126239
Conc: 21.01 ug/ml



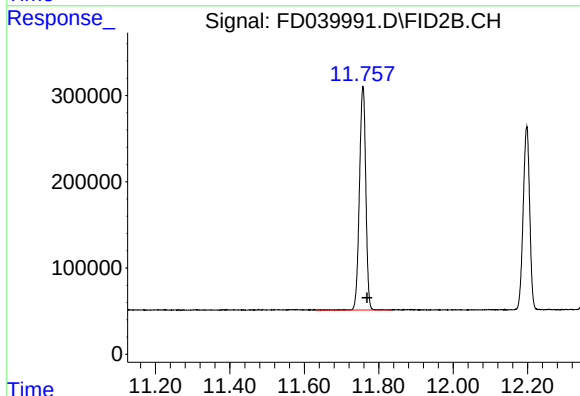
#9 ortho-Terphenyl (SURR)

R.T.: 10.763 min
Delta R.T.: -0.014 min
Response: 3263955
Conc: 20.79 ug/ml

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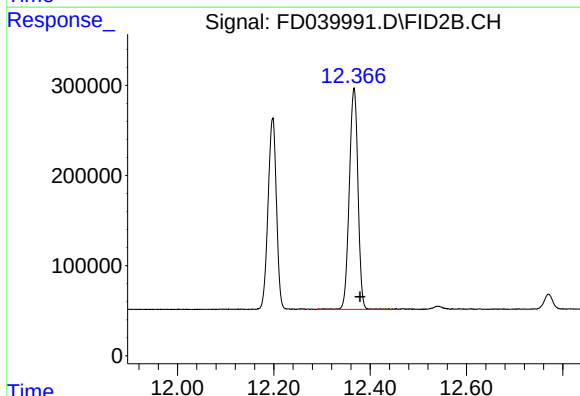
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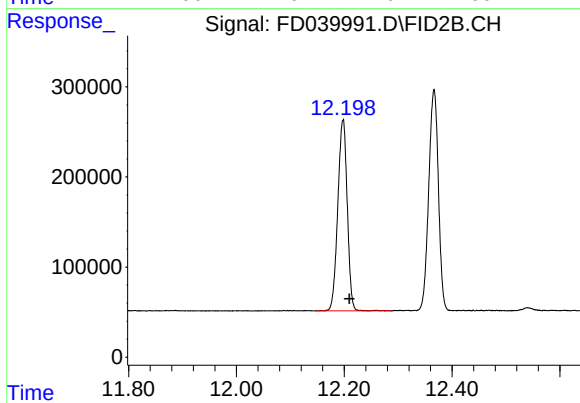
#10 n-Eicosane (C20)

R.T.: 11.757 min
Delta R.T.: -0.012 min
Response: 3085663
Conc: 21.10 ug/ml



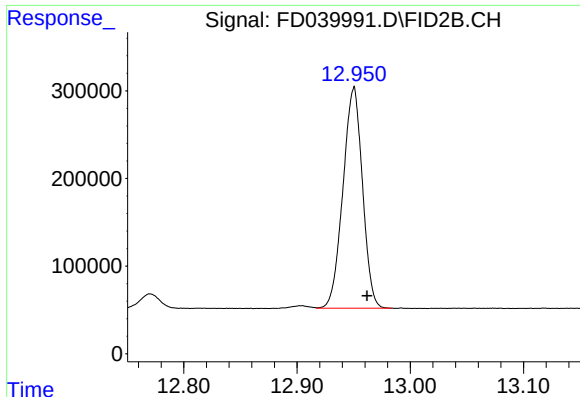
#11 n-Heneicosane (C21)

R.T.: 12.366 min
Delta R.T.: -0.013 min
Response: 3076860
Conc: 20.94 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.197 min
Delta R.T.: -0.013 min
Response: 2583161
Conc: 20.92 ug/ml



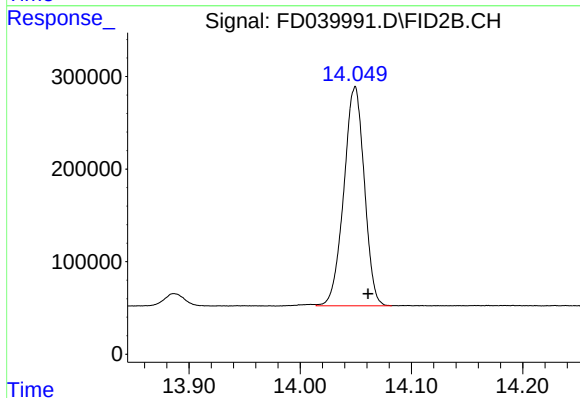
#13 n-Docosane (C22)

R.T.: 12.950 min
Delta R.T.: -0.012 min
Response: 3019568
Conc: 20.68 ug/ml

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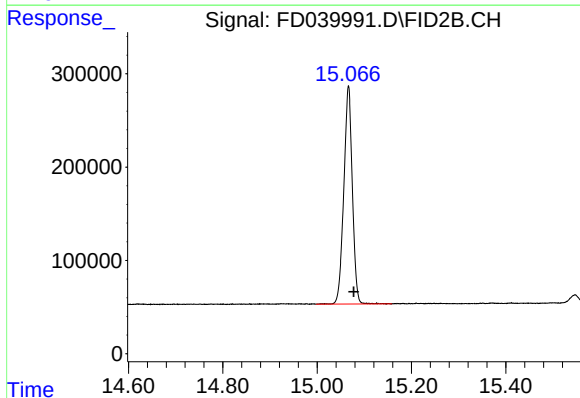
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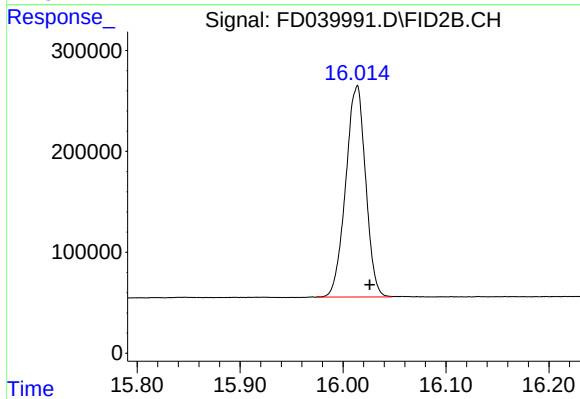
#14 n-Tetracosane (C24)

R.T.: 14.049 min
Delta R.T.: -0.012 min
Response: 3029080
Conc: 20.80 ug/ml m



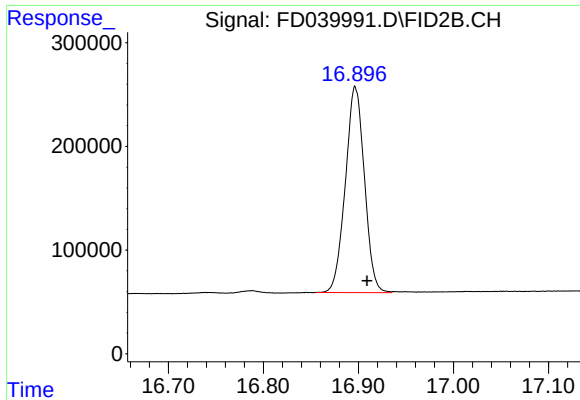
#15 n-Hexacosane (C26)

R.T.: 15.066 min
Delta R.T.: -0.012 min
Response: 2935318
Conc: 20.93 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.014 min
Delta R.T.: -0.012 min
Response: 2817706
Conc: 20.78 ug/ml m



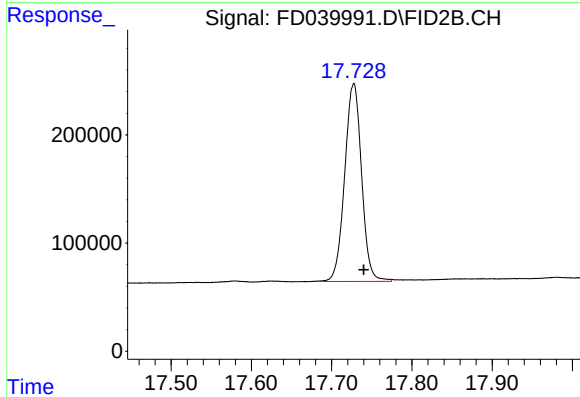
#17 n-Tricontane (C30)

R.T.: 16.896 min
Delta R.T.: -0.013 min
Response: 2768263
Conc: 21.18 ug/ml

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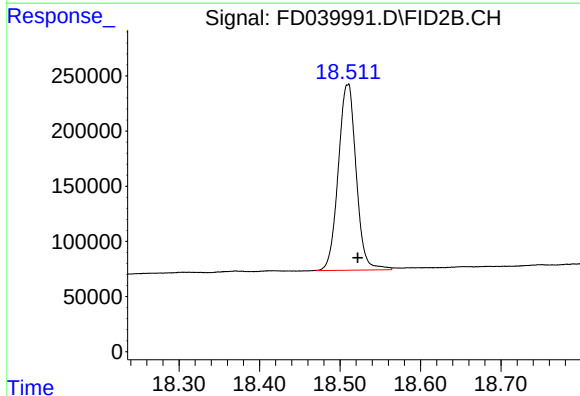
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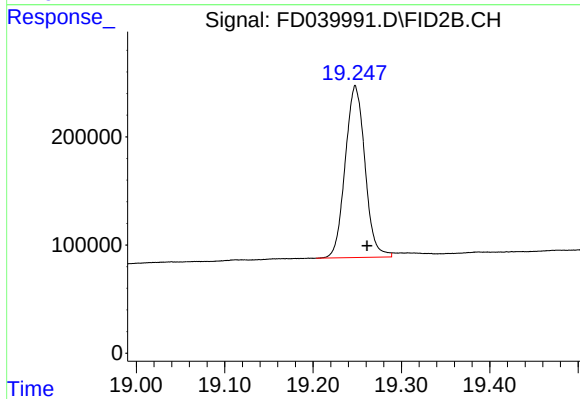
#18 n-Dotriacontane (C32)

R.T.: 17.728 min
Delta R.T.: -0.012 min
Response: 2679338
Conc: 21.53 ug/ml m



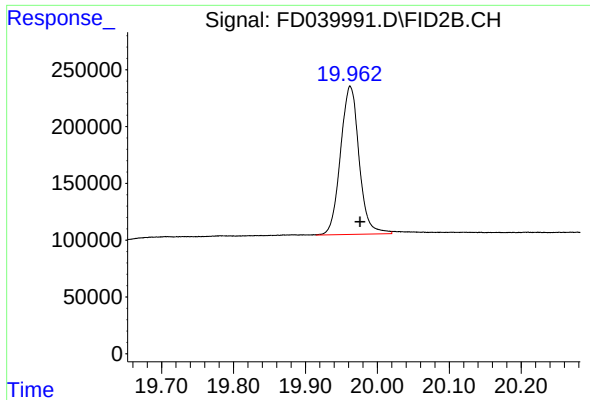
#19 n-Tetratriacontane (C34)

R.T.: 18.511 min
Delta R.T.: -0.011 min
Response: 2606185
Conc: 21.58 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.247 min
Delta R.T.: -0.014 min
Response: 2467064
Conc: 21.45 ug/ml m



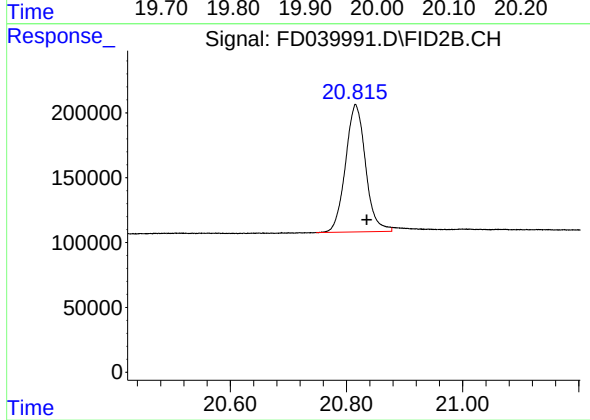
#21 n-Octatriacontane (C38)

R.T.: 19.962 min
Delta R.T.: -0.014 min
Response: 2349782
Conc: 21.05 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.815 min
Delta R.T.: -0.020 min
Response: 2353469
Conc: 20.65 ug/ml m