

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111821AL\
 Data File : FD039525.D
 Signal(s) : FID2B.CH
 Acq On : 19 Nov 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 :Ankita Jodhani 11/19/2021
 Supervised By :Sohil Jodhani 11/22/2021

Integration File: autoint1.e
 Quant Time: Nov 19 11:09:22 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)	11.665	2848744	22.327 ug/ml
Spiked Amount 50.000		Recovery =	44.65%
12) S 1-chlorooctadecane (S...	13.091	2206471	21.231 ug/ml
Spiked Amount 50.000		Recovery =	42.46%
Target Compounds			
1) T n-Nonane (C9)	3.423	2607506	22.426 ug/ml
2) T n-Decane (C10)	4.492	2670931	22.846 ug/ml
3) T A~Naphthalene (C11.7)	6.086	2961743	22.981 ug/ml
4) T n-Dodecane (C12)	6.508	2691718	22.749 ug/ml
5) T A~2-methylnaphthalene...	7.141	2970345	22.617 ug/ml
6) T n-Tetradecane (C14)	8.301	2705815	22.956 ug/ml
7) T n-Hexadecane (C16)	9.900	2703369	22.560 ug/ml
8) T n-Octadecane (C18)	11.339	2734903	22.346 ug/ml
10) T n-Eicosane (C20)	12.647	2666033	21.617 ug/ml
11) T n-Heneicosane (C21)	13.257	2647620	21.143 ug/ml
13) T n-Docosane (C22)	13.842	2623773	21.125 ug/ml
14) T n-Tetracosane (C24)	14.941	2623304	21.133 ug/ml
15) T n-Hexacosane (C26)	15.958	2504100	20.384 ug/ml
16) T n-Octacosane (C28)	16.906	2460146	21.132 ug/ml
17) T n-Tricontane (C30)	17.790	2423427	20.574 ug/ml
18) T n-Dotriacontane (C32)	18.619	2369448	20.724 ug/mlm
19) T n-Tetratriacontane (C34)	19.400	2453731	23.149 ug/ml
20) T n-Hexatriacontane (C36)	20.137	2284501	22.426 ug/mlm
21) T n-Octatriacontane (C38)	20.878	2070126	21.572 ug/mlm
22) T n-Tetracontane (C40)	21.800	2267838	24.583 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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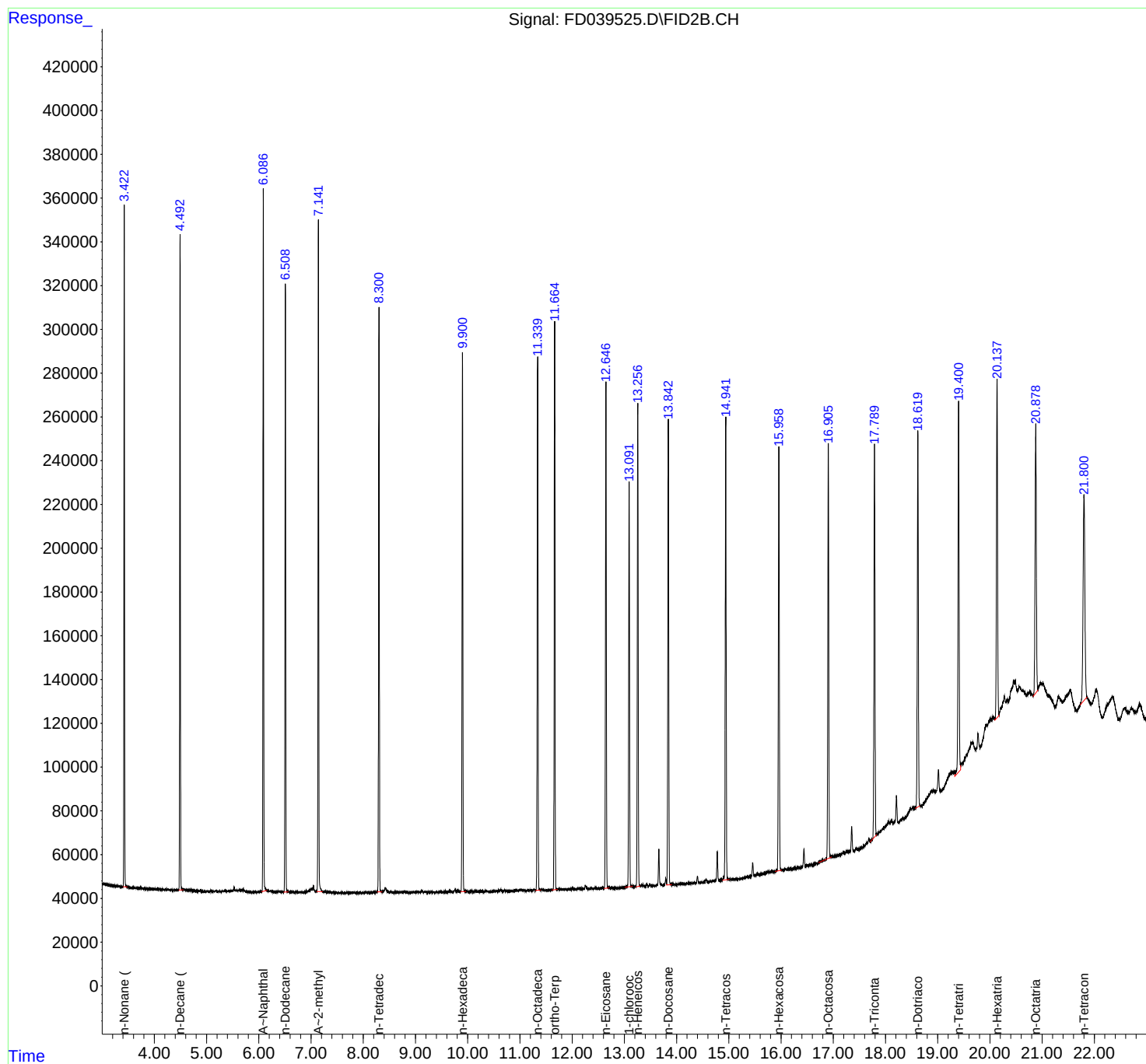
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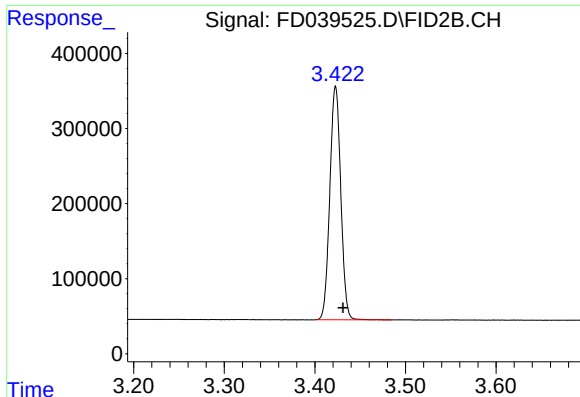
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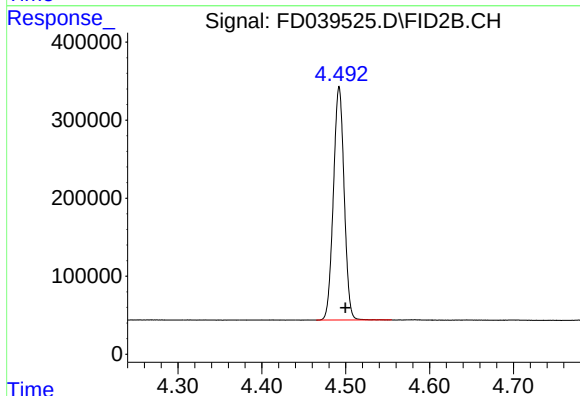
#1 n-Nonane (C9)

R.T.: 3.423 min
Delta R.T.: -0.008 min
Response: 2607506
Conc: 22.43 ug/ml

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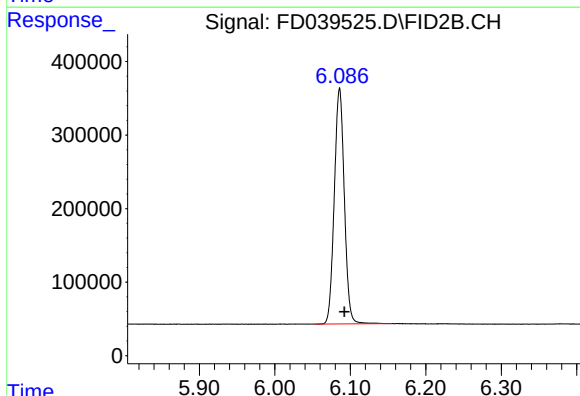
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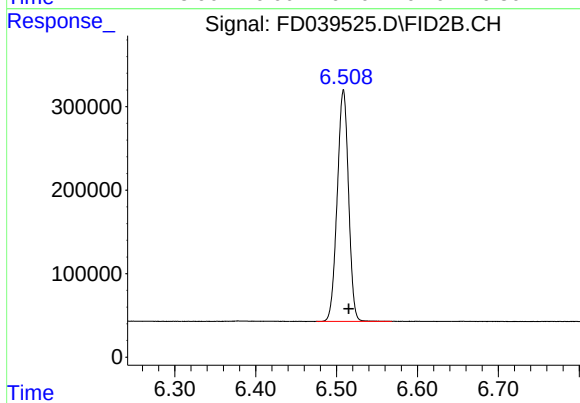
#2 n-Decane (C10)

R.T.: 4.492 min
Delta R.T.: -0.007 min
Response: 2670931
Conc: 22.85 ug/ml



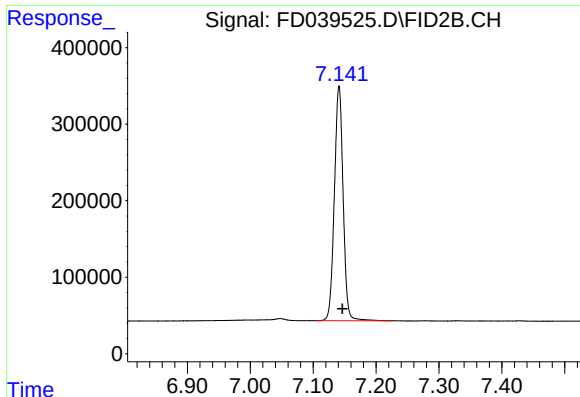
#3 A~Naphthalene (C11.7)

R.T.: 6.086 min
Delta R.T.: -0.007 min
Response: 2961743
Conc: 22.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.508 min
Delta R.T.: -0.007 min
Response: 2691718
Conc: 22.75 ug/ml



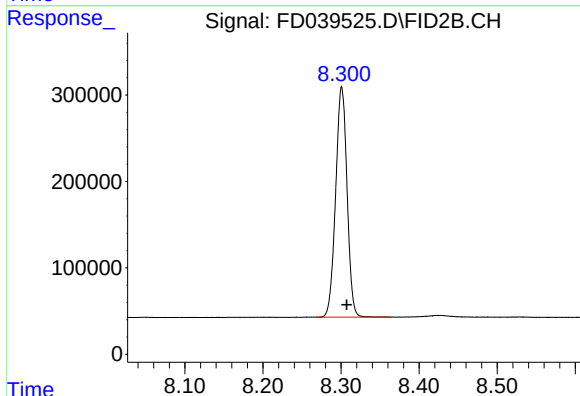
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.141 min
Delta R.T.: -0.006 min
Response: 2970345
Conc: 22.62 ug/ml

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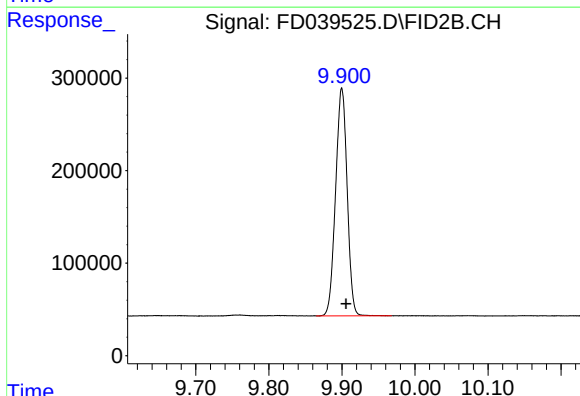
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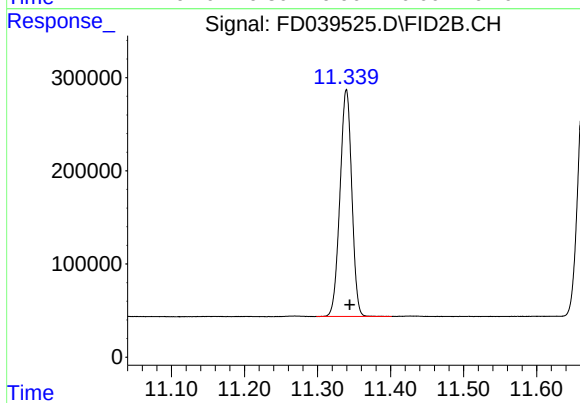
#6 n-Tetradecane (C14)

R.T.: 8.301 min
Delta R.T.: -0.006 min
Response: 2705815
Conc: 22.96 ug/ml



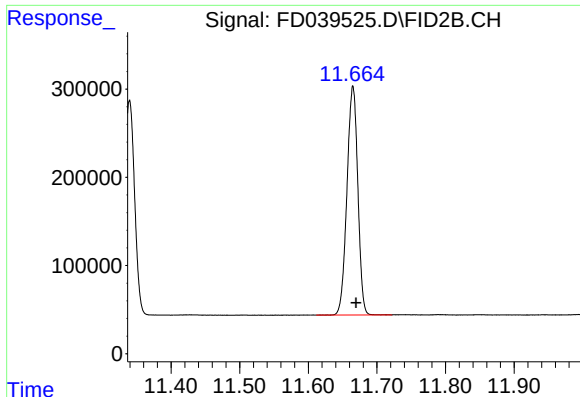
#7 n-Hexadecane (C16)

R.T.: 9.900 min
Delta R.T.: -0.006 min
Response: 2703369
Conc: 22.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.339 min
Delta R.T.: -0.005 min
Response: 2734903
Conc: 22.35 ug/ml



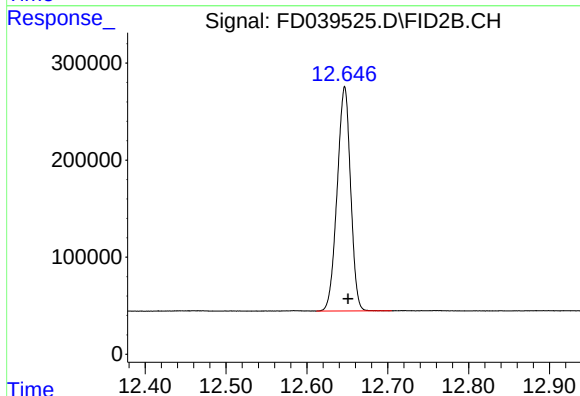
#9 ortho-Terphenyl (SURR)

R.T.: 11.665 min
Delta R.T.: -0.005 min
Response: 2848744
Conc: 22.33 ug/ml

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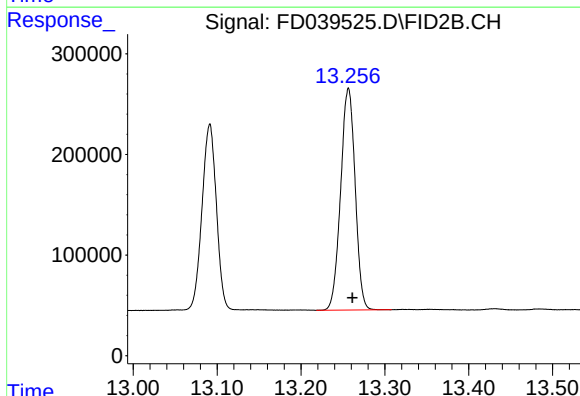
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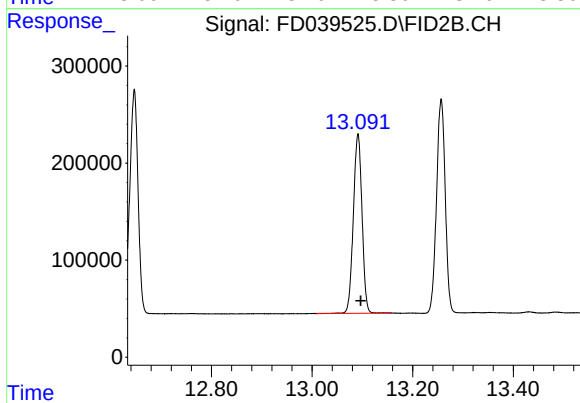
#10 n-Eicosane (C20)

R.T.: 12.647 min
Delta R.T.: -0.004 min
Response: 2666033
Conc: 21.62 ug/ml



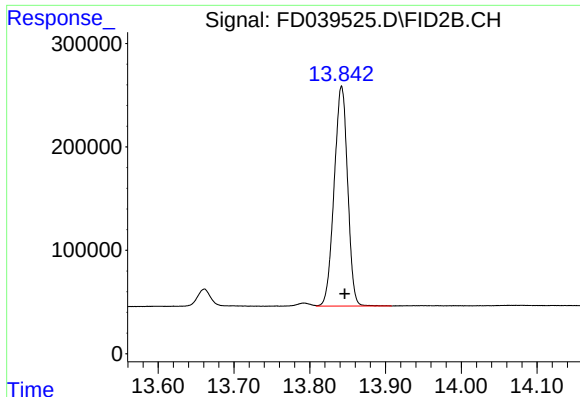
#11 n-Heneicosane (C21)

R.T.: 13.257 min
Delta R.T.: -0.005 min
Response: 2647620
Conc: 21.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.091 min
Delta R.T.: -0.005 min
Response: 2206471
Conc: 21.23 ug/ml



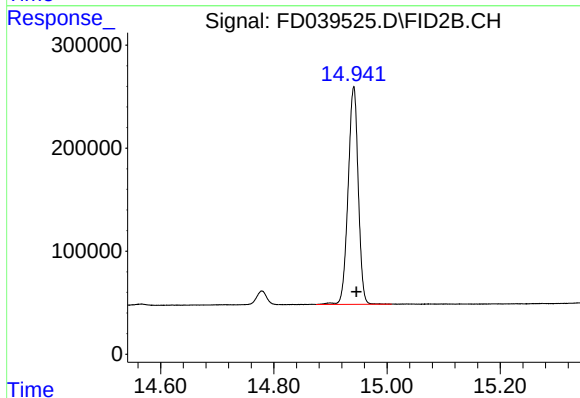
#13 n-Docosane (C22)

R.T.: 13.842 min
Delta R.T.: -0.004 min
Response: 2623773
Conc: 21.12 ug/ml

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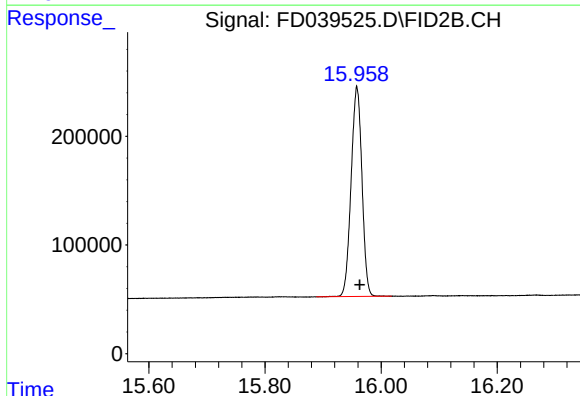
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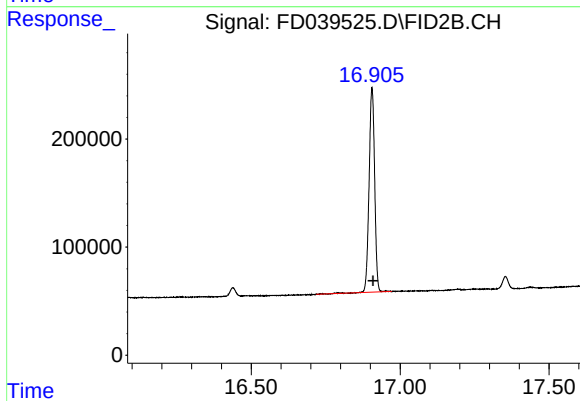
#14 n-Tetracosane (C24)

R.T.: 14.941 min
Delta R.T.: -0.005 min
Response: 2623304
Conc: 21.13 ug/ml



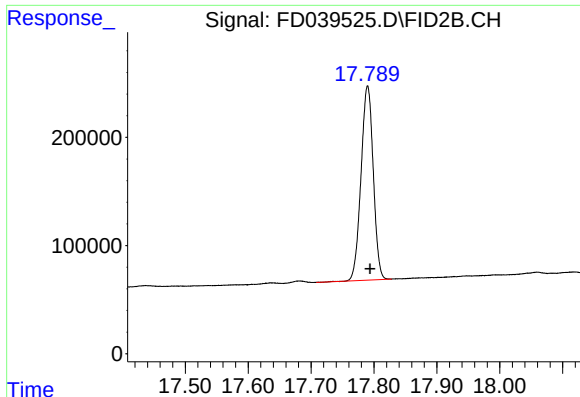
#15 n-Hexacosane (C26)

R.T.: 15.958 min
Delta R.T.: -0.005 min
Response: 2504100
Conc: 20.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.906 min
Delta R.T.: -0.004 min
Response: 2460146
Conc: 21.13 ug/ml



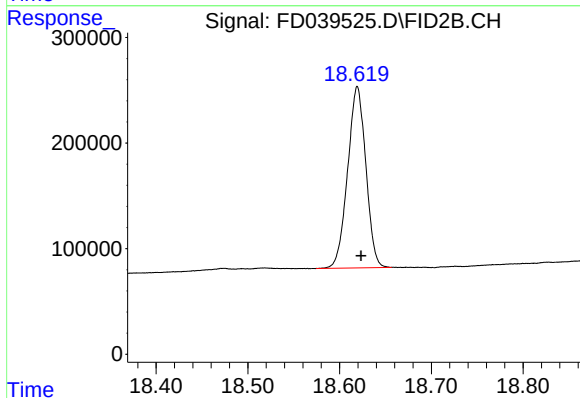
#17 n-Tricontane (C30)

R.T.: 17.790 min
Delta R.T.: -0.004 min
Response: 2423427
Conc: 20.57 ug/ml

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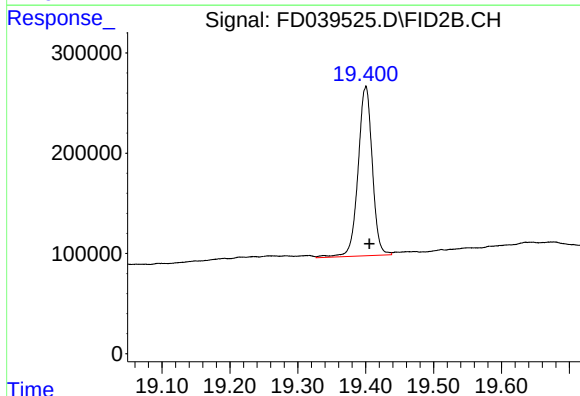
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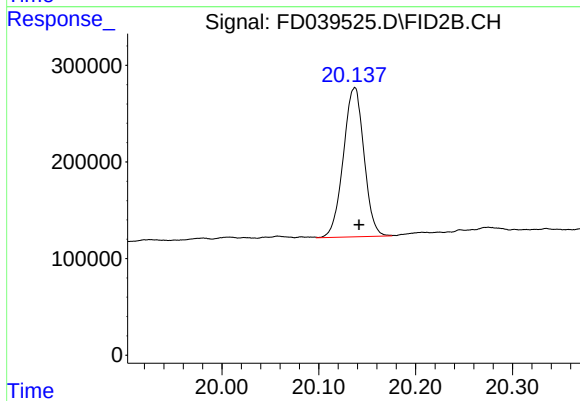
#18 n-Dotriacontane (C32)

R.T.: 18.619 min
Delta R.T.: -0.005 min
Response: 2369448
Conc: 20.72 ug/ml m



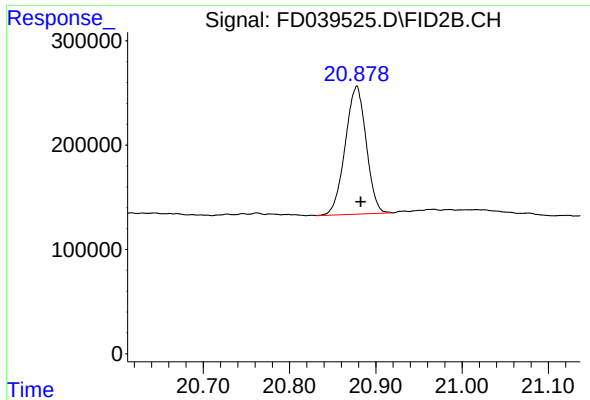
#19 n-Tetratriacontane (C34)

R.T.: 19.400 min
Delta R.T.: -0.005 min
Response: 2453731
Conc: 23.15 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.137 min
Delta R.T.: -0.005 min
Response: 2284501
Conc: 22.43 ug/ml m



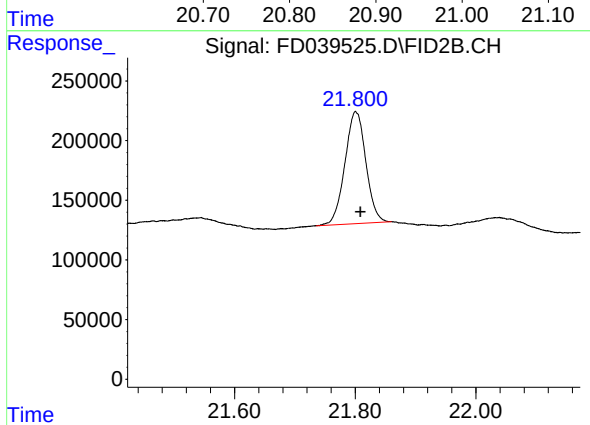
#21 n-Octatriacontane (C38)

R.T.: 20.878 min
Delta R.T.: -0.005 min
Response: 2070126
Conc: 21.57 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.800 min
Delta R.T.: -0.008 min
Response: 2267838
Conc: 24.58 ug/ml m