

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD032921AL\
 Data File : FD036621.D
 Signal(s) : FID2B.CH
 Acq On : 29 Mar 2021 9:00
 Operator : DD\AJ
 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

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 3/30/2021 2:08:48 PM

Integration File: autoint1.e
 Quant Time: Mar 30 02:26:58 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 032321.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 24 09:10:29 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)	11.492	2936485	19.818 ug/ml
Spiked Amount 50.000		Recovery =	39.64%
12) S 1-chlorooctadecane (S...	12.924	2192753	18.841 ug/ml
Spiked Amount 50.000		Recovery =	37.68%
Target Compounds			
1) T n-Nonane (C9)	3.292	2709549	21.316 ug/ml
2) T n-Decane (C10)	4.353	2763389	21.446 ug/ml
3) T A~Naphthalene (C11.7)	5.927	3077973	21.081 ug/ml
4) T n-Dodecane (C12)	6.363	2838115	21.410 ug/ml
5) T A~2-methylnaphthalene...	6.979	3117579	20.822 ug/ml
6) T n-Tetradecane (C14)	8.151	2832370	20.838 ug/ml
7) T n-Hexadecane (C16)	9.745	2744993	20.612 ug/ml
8) T n-Octadecane (C18)	11.180	2791814	20.155 ug/ml
10) T n-Eicosane (C20)	12.482	2704754	19.566 ug/ml
11) T n-Heneicosane (C21)	13.091	2644370	19.207 ug/ml
13) T n-Docosane (C22)	13.674	2580634	18.972 ug/ml
14) T n-Tetracosane (C24)	14.771	2453317	18.505 ug/ml
15) T n-Hexacosane (C26)	15.786	2296255	18.135 ug/ml
16) T n-Octacosane (C28)	16.730	2186078	18.126 ug/ml
17) T n-Tricontane (C30)	17.611	2101316	18.292 ug/ml
18) T n-Dotriacontane (C32)	18.438	2030470	18.461 ug/ml
19) T n-Tetratriacontane (C34)	19.217	1978826	19.267 ug/ml
20) T n-Hexatriacontane (C36)	19.951	1890018	19.344 ug/ml
21) T n-Octatriacontane (C38)	20.660	1812097	19.599 ug/mlm
22) T n-Tetracontane (C40)	21.509	1866158	18.502 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 52 Sample Multiplier: 1

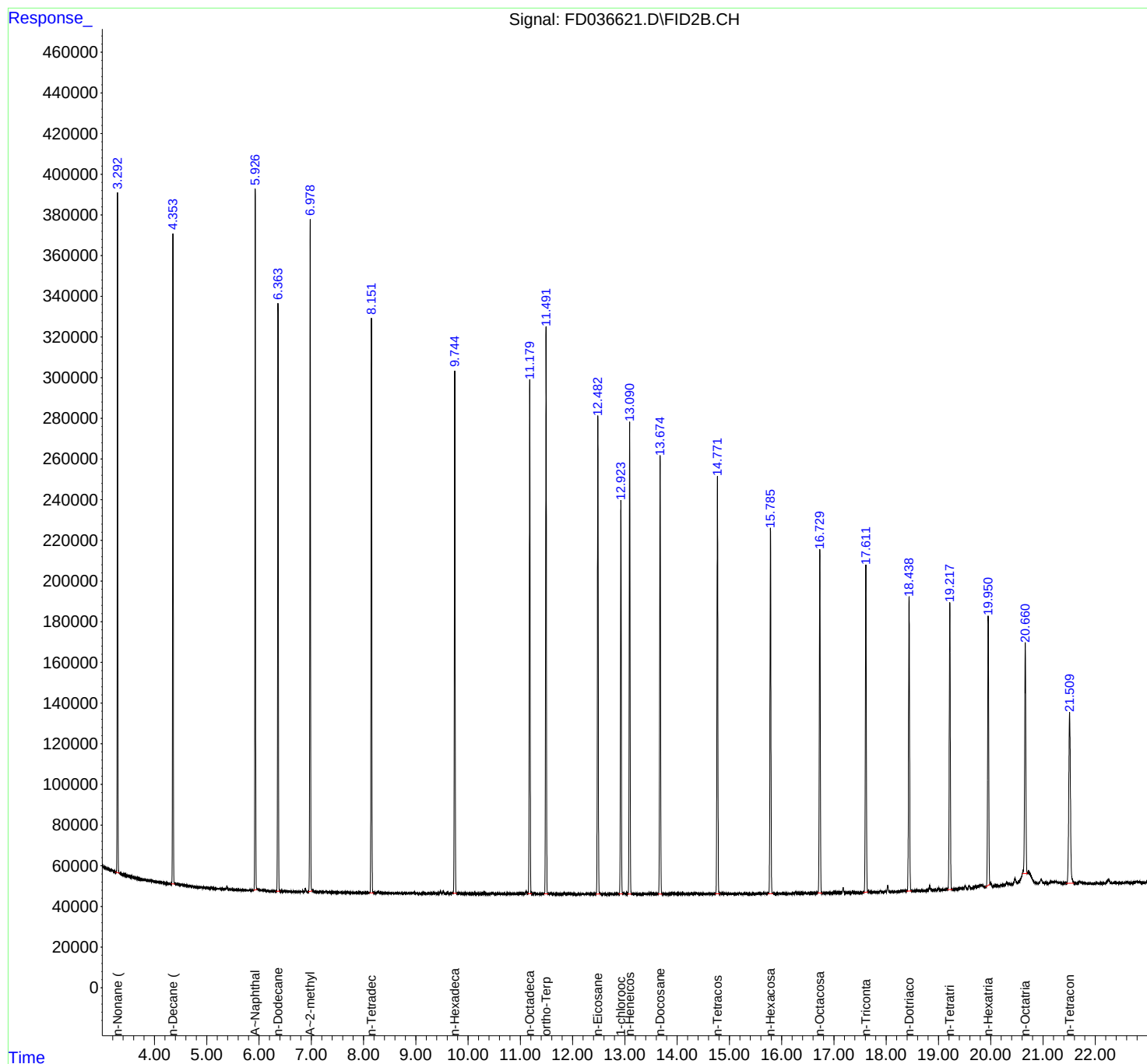
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20 PPM ALIPHATIC HC STD

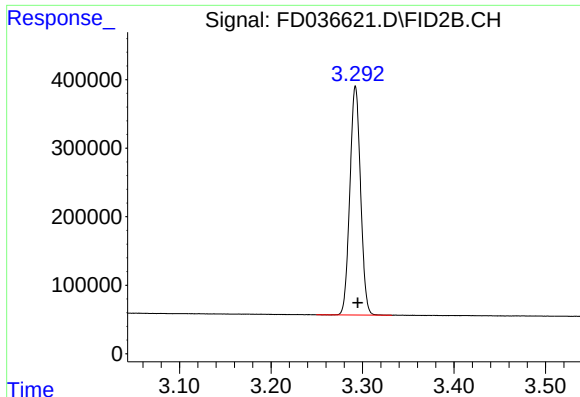
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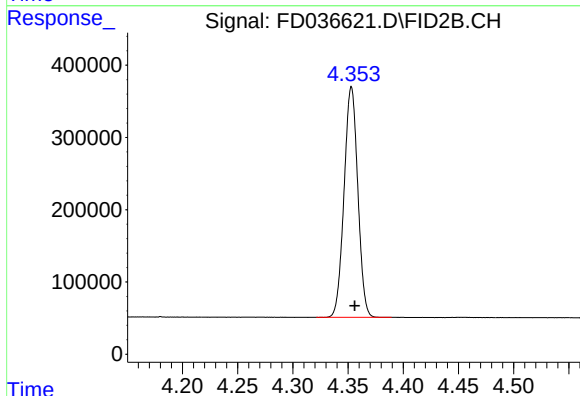
#1 n-Nonane (C9)

R.T.: 3.292 min
Delta R.T.: -0.003 min
Response: 2709549
Conc: 21.32 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

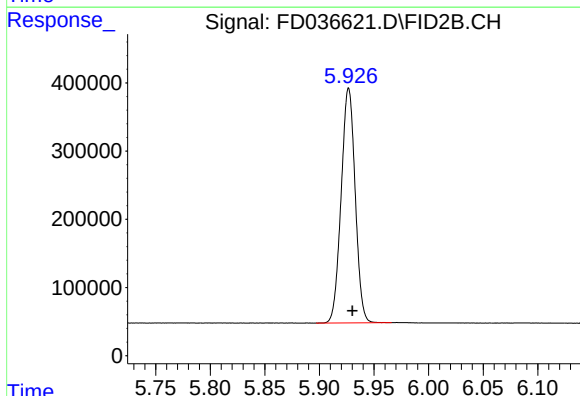
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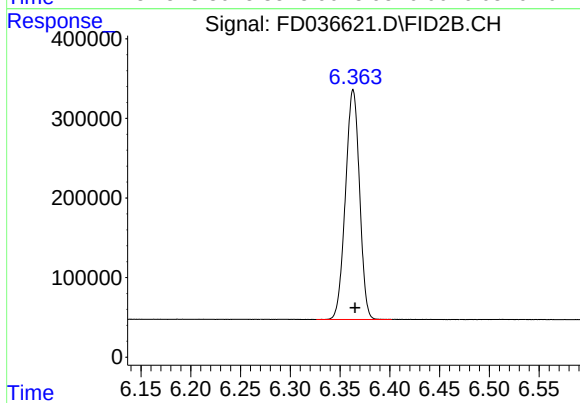
#2 n-Decane (C10)

R.T.: 4.353 min
Delta R.T.: -0.003 min
Response: 2763389
Conc: 21.45 ug/ml



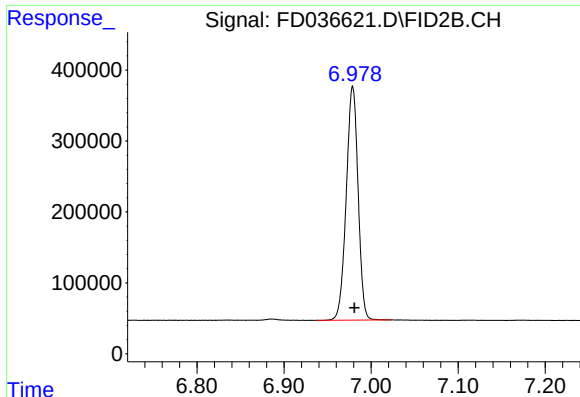
#3 A~Naphthalene (C11.7)

R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 3077973
Conc: 21.08 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.363 min
Delta R.T.: -0.002 min
Response: 2838115
Conc: 21.41 ug/ml



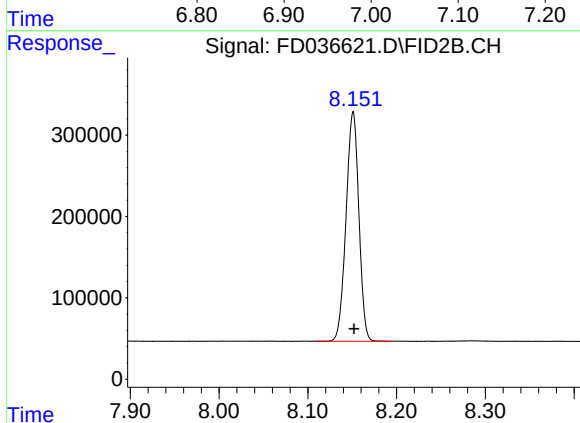
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.979 min
Delta R.T.: -0.002 min
Response: 3117579
Conc: 20.82 ug/ml

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20 PPM ALIPHATIC HC STD

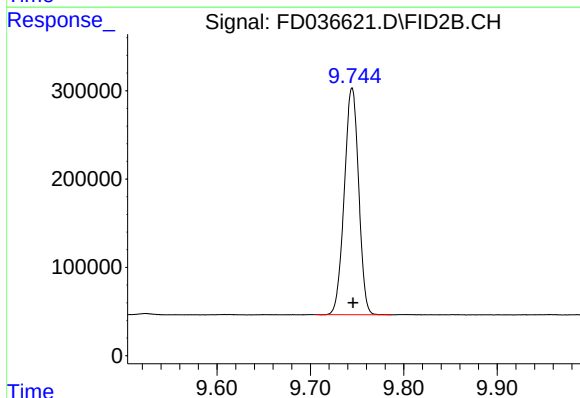
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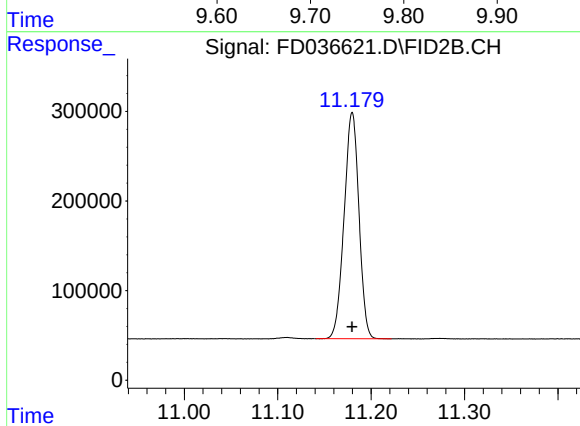
#6 n-Tetradecane (C14)

R.T.: 8.151 min
Delta R.T.: -0.001 min
Response: 2832370
Conc: 20.84 ug/ml



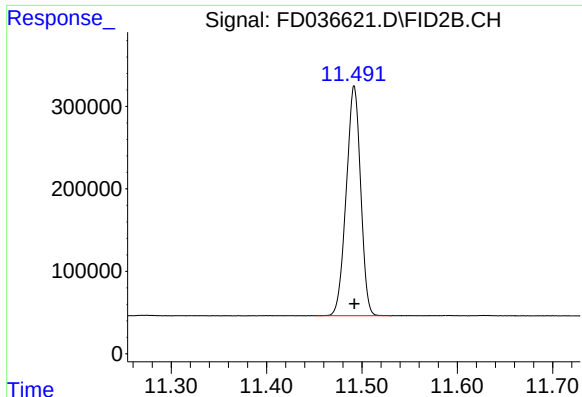
#7 n-Hexadecane (C16)

R.T.: 9.745 min
Delta R.T.: -0.001 min
Response: 2744993
Conc: 20.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.180 min
Delta R.T.: 0.000 min
Response: 2791814
Conc: 20.15 ug/ml



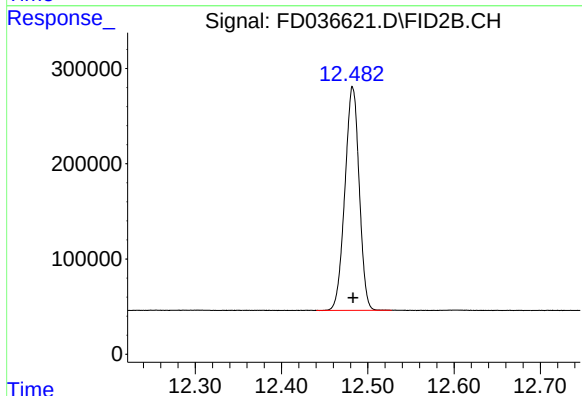
#9 ortho-Terphenyl (SURR)

R.T.: 11.492 min
Delta R.T.: 0.000 min
Response: 2936485
Conc: 19.82 ug/ml

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20 PPM ALIPHATIC HC STD

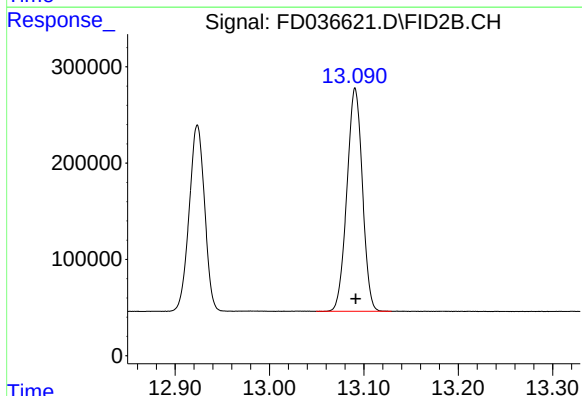
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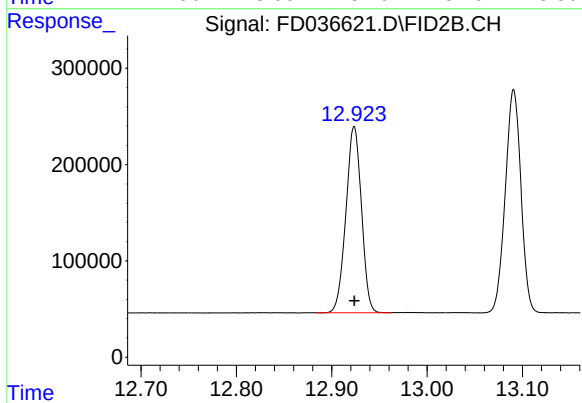
#10 n-Eicosane (C20)

R.T.: 12.482 min
Delta R.T.: 0.000 min
Response: 2704754
Conc: 19.57 ug/ml



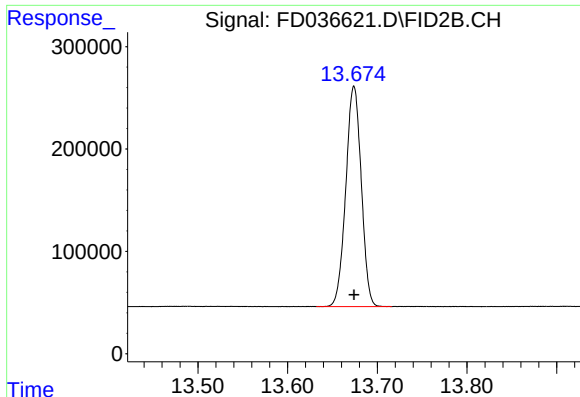
#11 n-Heneicosane (C21)

R.T.: 13.091 min
Delta R.T.: 0.000 min
Response: 2644370
Conc: 19.21 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.924 min
Delta R.T.: 0.000 min
Response: 2192753
Conc: 18.84 ug/ml



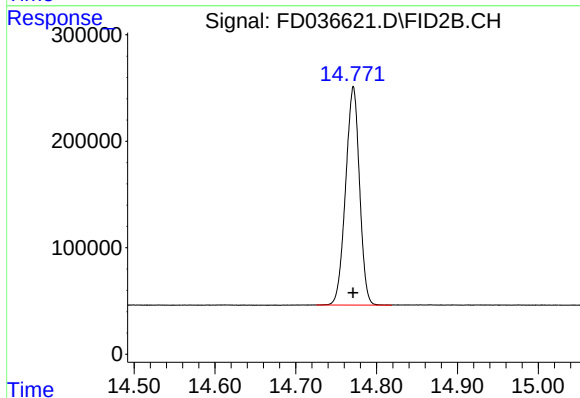
#13 n-Docosane (C22)

R.T.: 13.674 min
Delta R.T.: 0.000 min
Response: 2580634
Conc: 18.97 ug/ml

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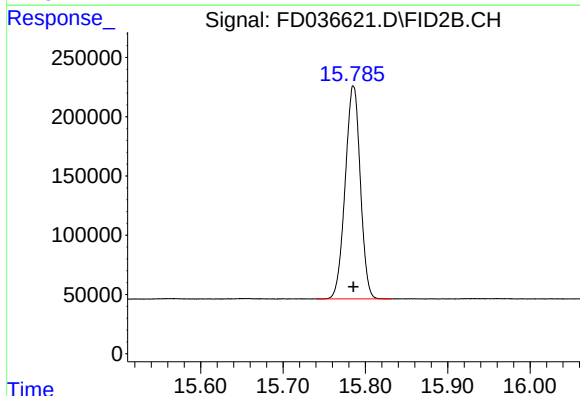
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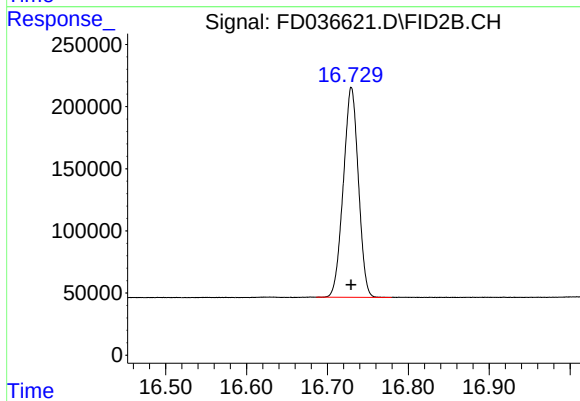
#14 n-Tetracosane (C24)

R.T.: 14.771 min
Delta R.T.: 0.000 min
Response: 2453317
Conc: 18.50 ug/ml



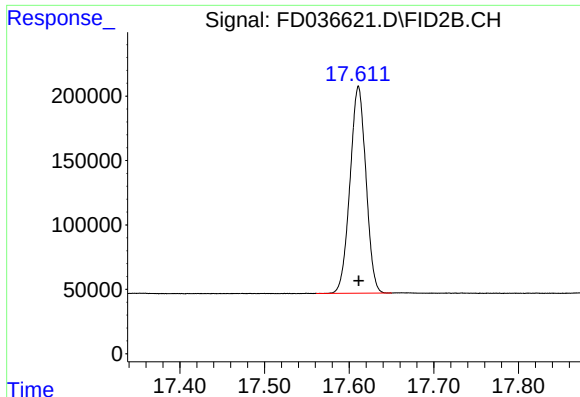
#15 n-Hexacosane (C26)

R.T.: 15.786 min
Delta R.T.: 0.000 min
Response: 2296255
Conc: 18.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.730 min
Delta R.T.: 0.000 min
Response: 2186078
Conc: 18.13 ug/ml



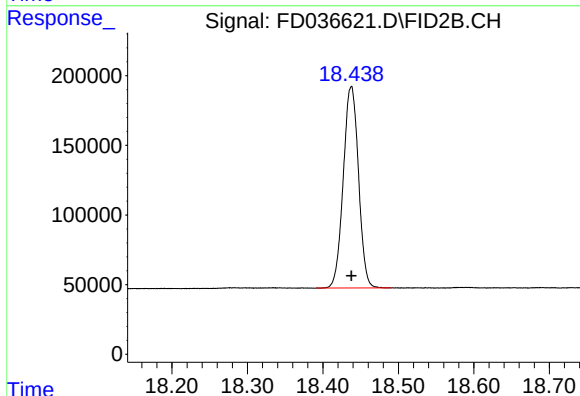
#17 n-Tricontane (C30)

R.T.: 17.611 min
Delta R.T.: 0.000 min
Response: 2101316
Conc: 18.29 ug/ml

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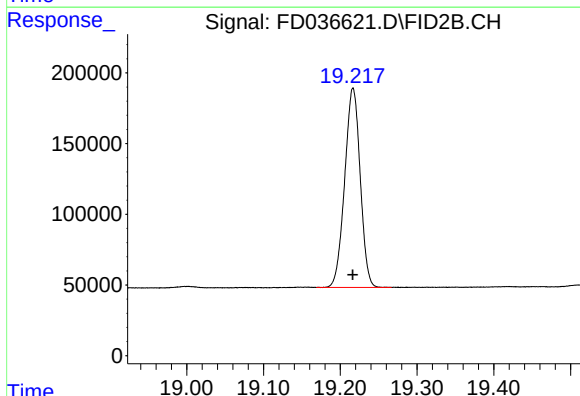
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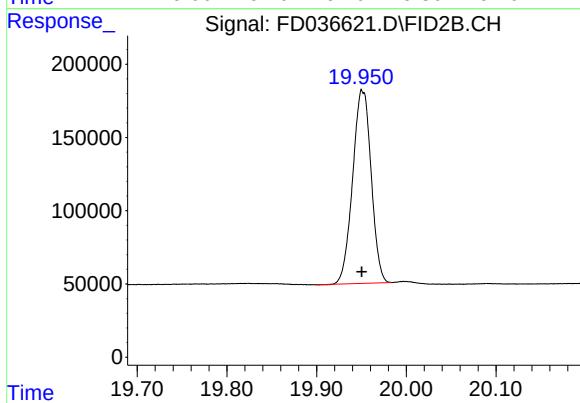
#18 n-Dotriacontane (C32)

R.T.: 18.438 min
Delta R.T.: 0.000 min
Response: 2030470
Conc: 18.46 ug/ml



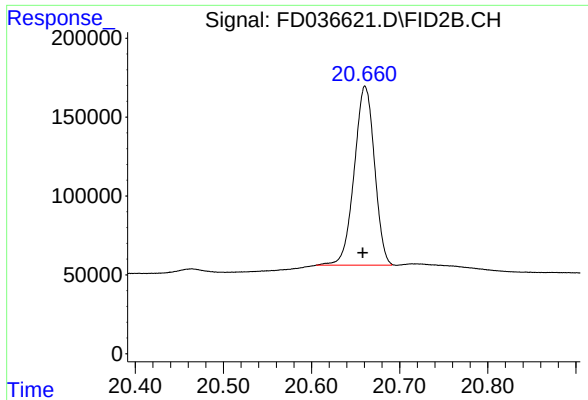
#19 n-Tetratriacontane (C34)

R.T.: 19.217 min
Delta R.T.: 0.000 min
Response: 1978826
Conc: 19.27 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.951 min
Delta R.T.: 0.000 min
Response: 1890018
Conc: 19.34 ug/ml



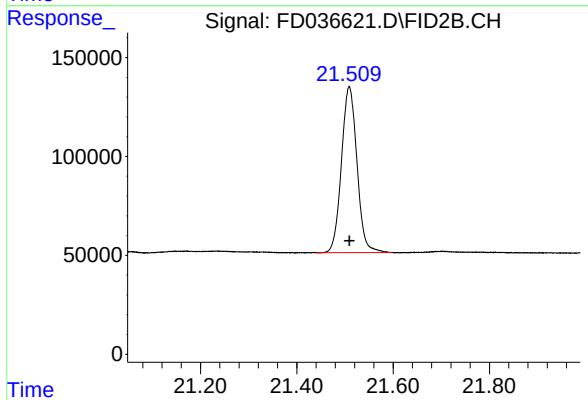
#21 n-Octatriacontane (C38)

R.T.: 20.660 min
Delta R.T.: 0.002 min
Response: 1812097
Conc: 19.60 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.509 min
Delta R.T.: 0.000 min
Response: 1866158
Conc: 18.50 ug/ml