

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD053122AL\
 Data File : FD042693.D
 Signal(s) : FID2B.CH
 Acq On : 31 May 2022 19:02
 Operator : UA/NP
 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 06/01/2022
 Supervised By :Ankita Jodhani 06/01/2022

Integration File: sample.E
 Quant Time: Jun 01 03:07:40 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 052722.M
 Quant Title : GC Extractables
 QLast Update : Sat May 28 07:55:57 2022
 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)	11.578	3252531	19.584 ug/ml
Spiked Amount 50.000		Recovery =	39.17%
12) S 1-chlorooctadecane (S...	13.012	2566220	19.649 ug/ml
Spiked Amount 50.000		Recovery =	39.30%
Target Compounds			
1) T n-Nonane (C9)	3.348	2707356	19.543 ug/ml
2) T n-Decane (C10)	4.415	2720499	19.702 ug/ml
3) T A~Naphthalene (C11.7)	5.997	3093493	19.665 ug/ml
4) T n-Dodecane (C12)	6.431	2794858	19.723 ug/ml
5) T A~2-methylnaphthalene...	7.050	3148435	19.665 ug/ml
6) T n-Tetradecane (C14)	8.223	2835735	19.690 ug/ml
7) T n-Hexadecane (C16)	9.821	2901147	19.668 ug/ml
8) T n-Octadecane (C18)	11.262	2954427	19.629 ug/ml
10) T n-Eicosane (C20)	12.568	2951506	19.627 ug/ml
11) T n-Heneicosane (C21)	13.179	2965934	19.592 ug/ml
13) T n-Docosane (C22)	13.765	2958779	19.574 ug/ml
14) T n-Tetracosane (C24)	14.865	2948735	19.648 ug/ml
15) T n-Hexacosane (C26)	15.884	2887694	19.807 ug/ml
16) T n-Octacosane (C28)	16.830	2820601	20.223 ug/ml
17) T n-Tricontane (C30)	17.715	2748051	21.019 ug/ml
18) T n-Dotriacontane (C32)	18.546	2541025	21.520 ug/ml
19) T n-Tetratriacontane (C34)	19.328	2266545	21.321 ug/ml
20) T n-Hexatriacontane (C36)	20.065	2059528	21.063 ug/mlm
21) T n-Octatriacontane (C38)	20.797	1930581	21.166 ug/ml
22) T n-Tetracontane (C40)	21.698	1923447	23.736 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

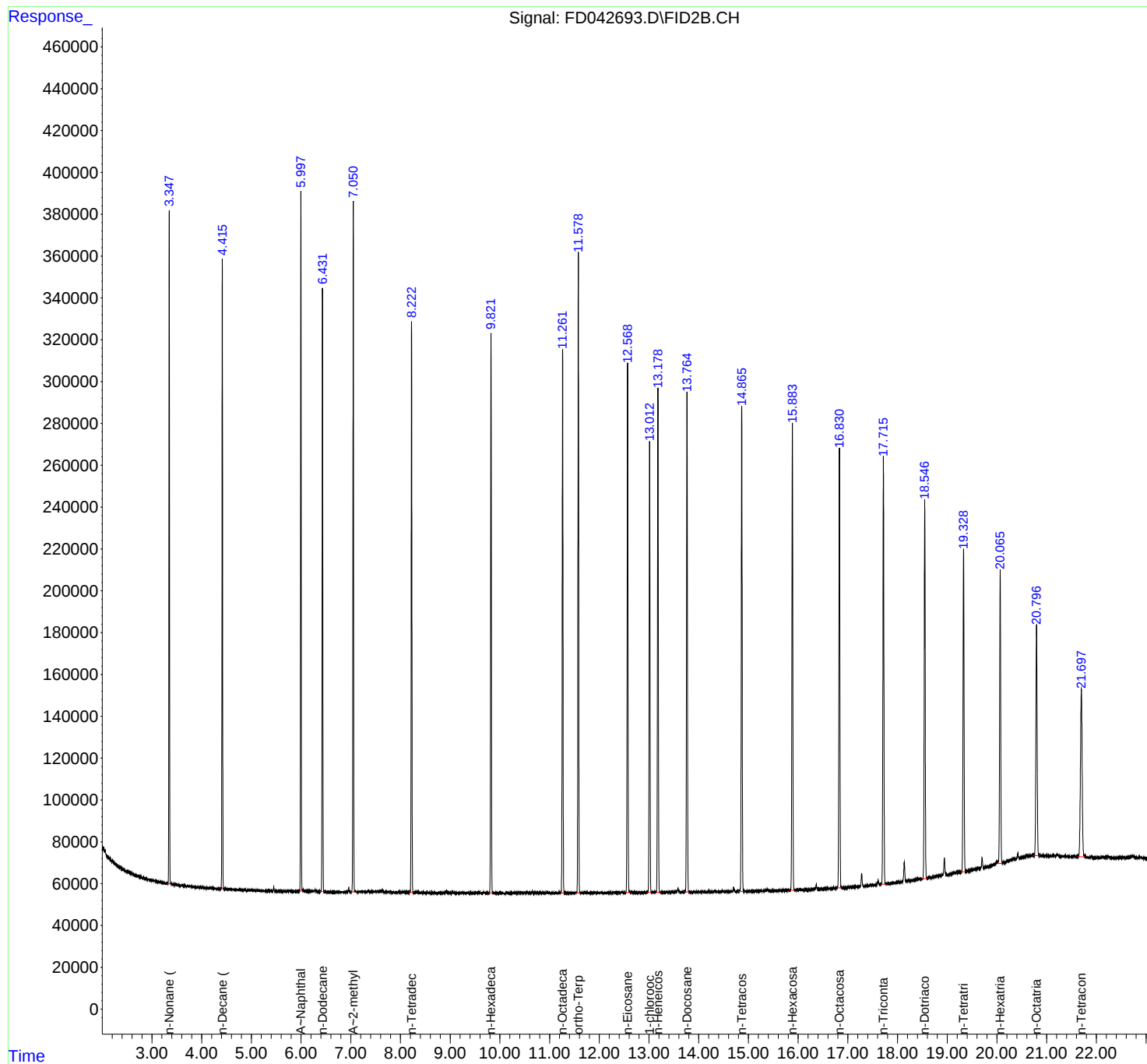
Instrument :
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20 PPM ALIPHATIC HC STD

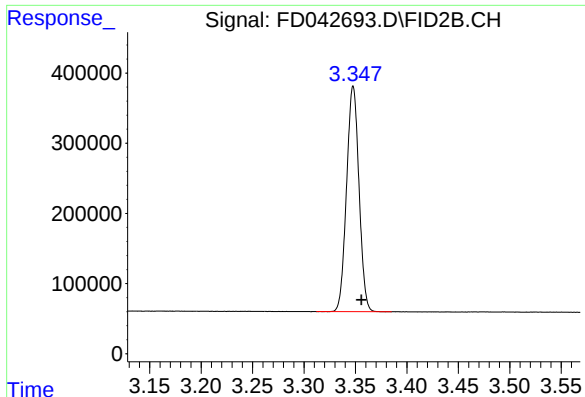
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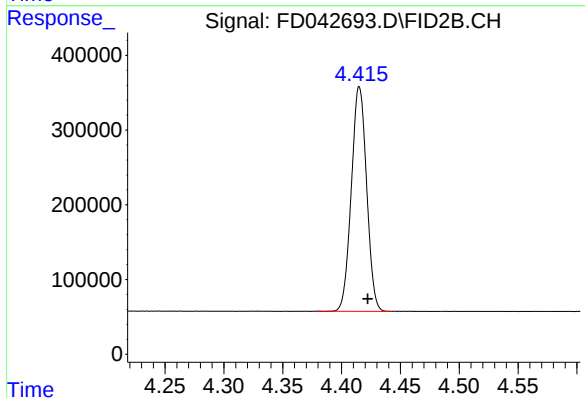
#1 n-Nonane (C9)

R.T.: 3.348 min
Delta R.T.: -0.008 min
Response: 2707356
Conc: 19.54 ug/ml

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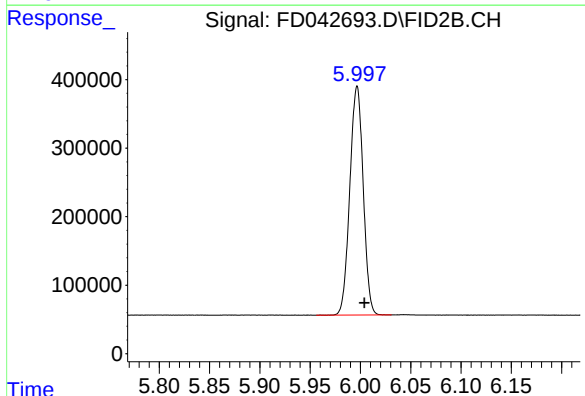
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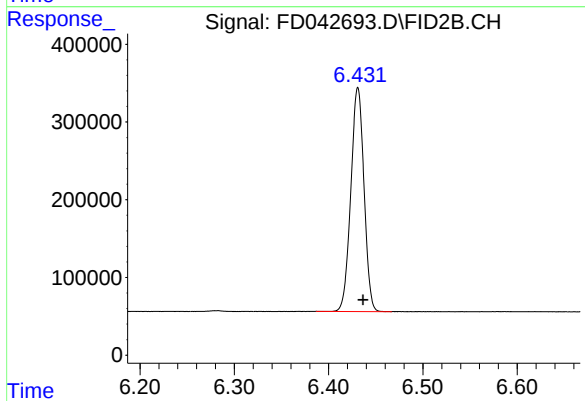
#2 n-Decane (C10)

R.T.: 4.415 min
Delta R.T.: -0.007 min
Response: 2720499
Conc: 19.70 ug/ml



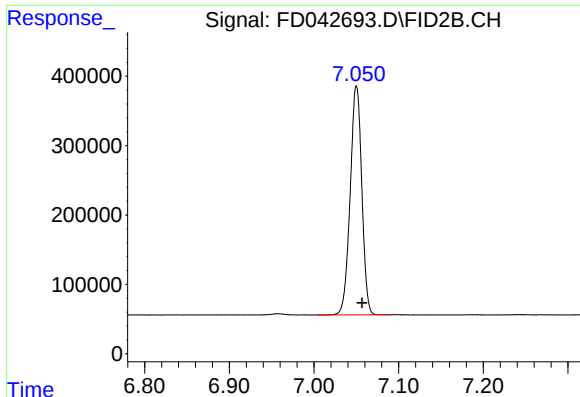
#3 A~Naphthalene (C11.7)

R.T.: 5.997 min
Delta R.T.: -0.007 min
Response: 3093493
Conc: 19.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.431 min
Delta R.T.: -0.005 min
Response: 2794858
Conc: 19.72 ug/ml



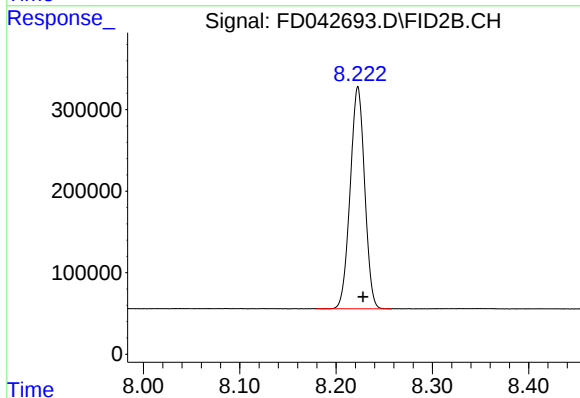
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.050 min
Delta R.T.: -0.007 min
Response: 3148435
Conc: 19.67 ug/ml

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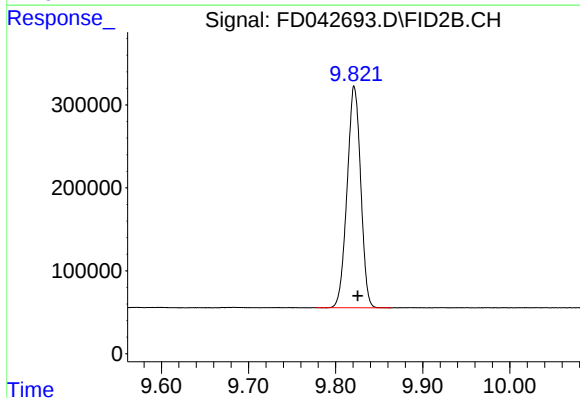
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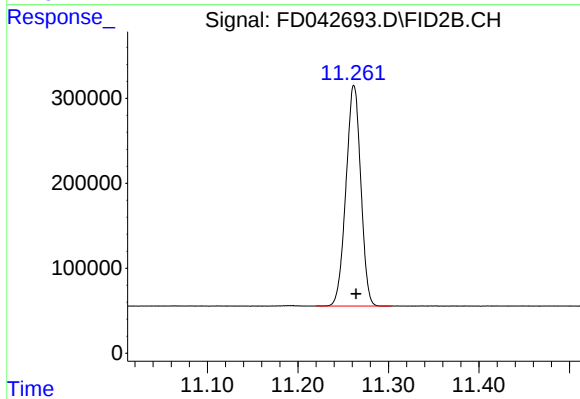
#6 n-Tetradecane (C14)

R.T.: 8.223 min
Delta R.T.: -0.005 min
Response: 2835735
Conc: 19.69 ug/ml



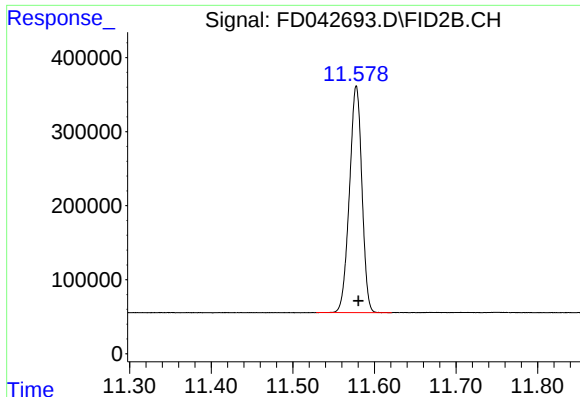
#7 n-Hexadecane (C16)

R.T.: 9.821 min
Delta R.T.: -0.004 min
Response: 2901147
Conc: 19.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.262 min
Delta R.T.: -0.002 min
Response: 2954427
Conc: 19.63 ug/ml



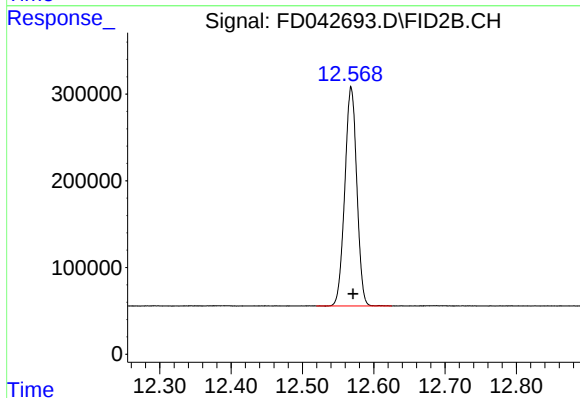
#9 ortho-Terphenyl (SURR)

R.T.: 11.578 min
Delta R.T.: -0.003 min
Response: 3252531
Conc: 19.58 ug/ml

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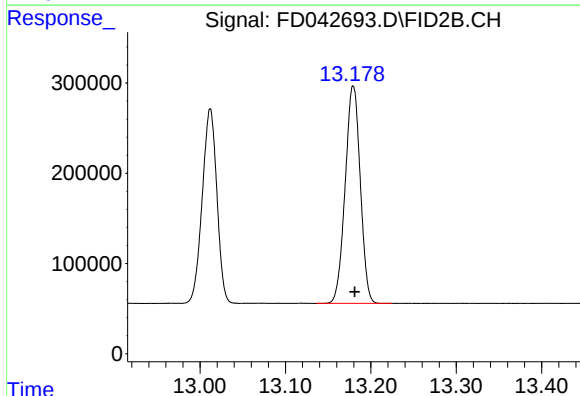
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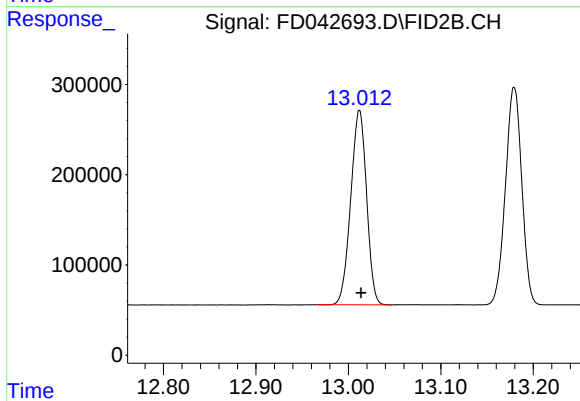
#10 n-Eicosane (C20)

R.T.: 12.568 min
Delta R.T.: -0.002 min
Response: 2951506
Conc: 19.63 ug/ml



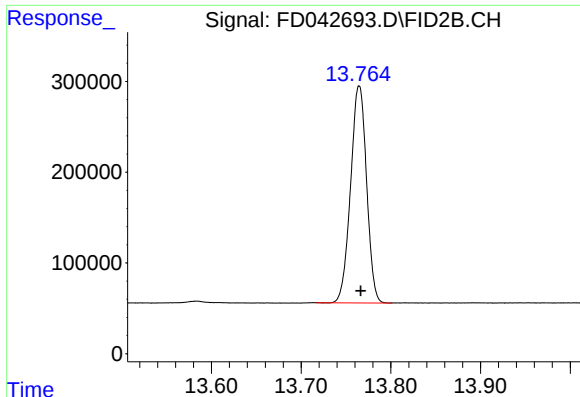
#11 n-Heneicosane (C21)

R.T.: 13.179 min
Delta R.T.: -0.002 min
Response: 2965934
Conc: 19.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.012 min
Delta R.T.: -0.002 min
Response: 2566220
Conc: 19.65 ug/ml



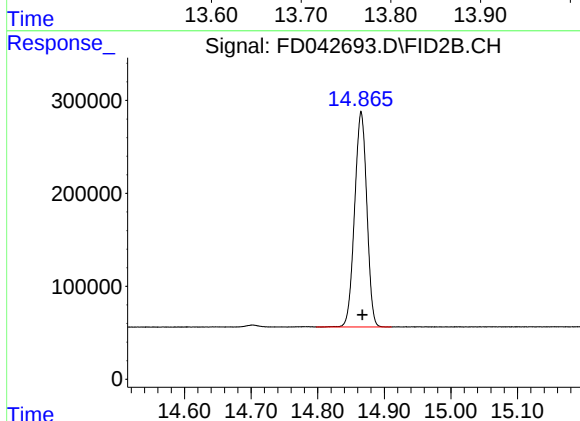
#13 n-Docosane (C22)

R.T.: 13.765 min
Delta R.T.: -0.002 min
Response: 2958779
Conc: 19.57 ug/ml

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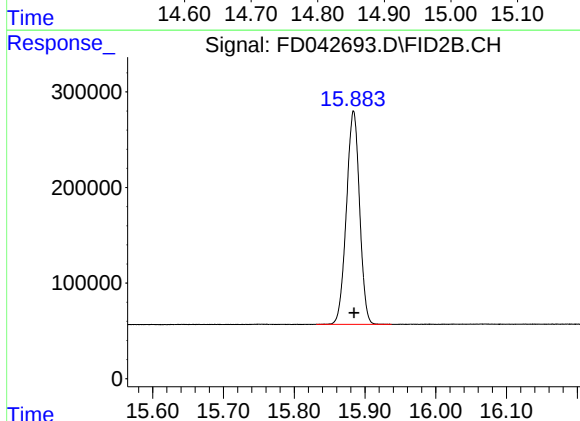
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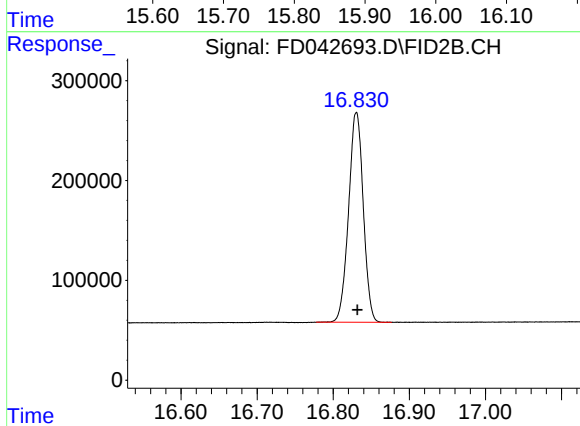
#14 n-Tetracosane (C24)

R.T.: 14.865 min
Delta R.T.: -0.002 min
Response: 2948735
Conc: 19.65 ug/ml



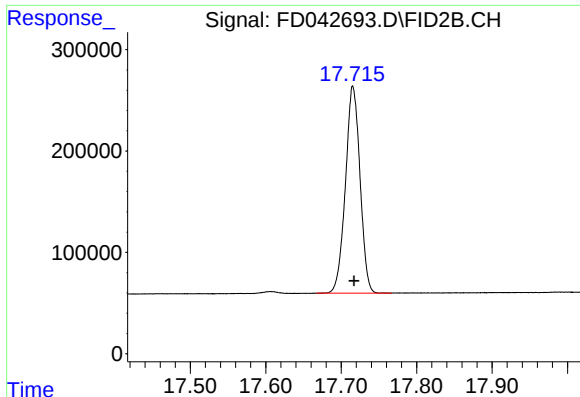
#15 n-Hexacosane (C26)

R.T.: 15.884 min
Delta R.T.: 0.000 min
Response: 2887694
Conc: 19.81 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.830 min
Delta R.T.: -0.002 min
Response: 2820601
Conc: 20.22 ug/ml



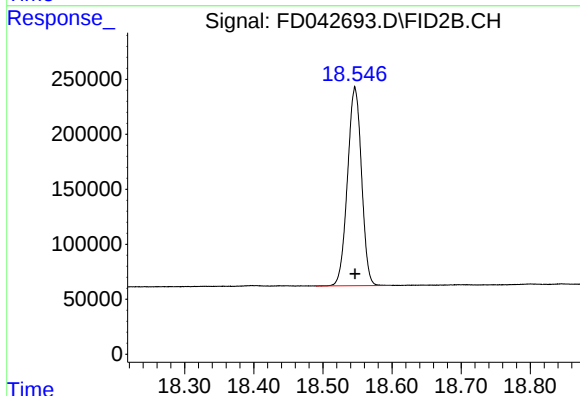
#17 n-Tricontane (C30)

R.T.: 17.715 min
Delta R.T.: -0.002 min
Response: 2748051
Conc: 21.02 ug/ml

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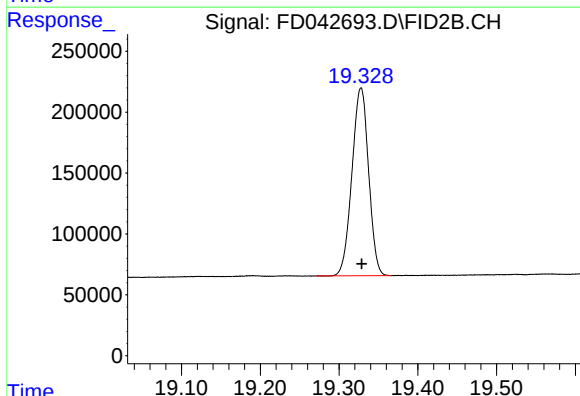
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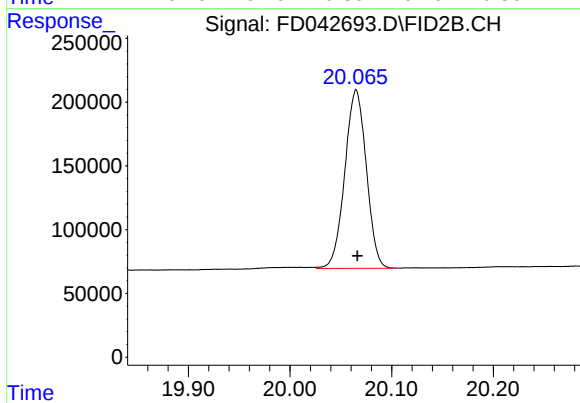
#18 n-Dotriacontane (C32)

R.T.: 18.546 min
Delta R.T.: 0.000 min
Response: 2541025
Conc: 21.52 ug/ml



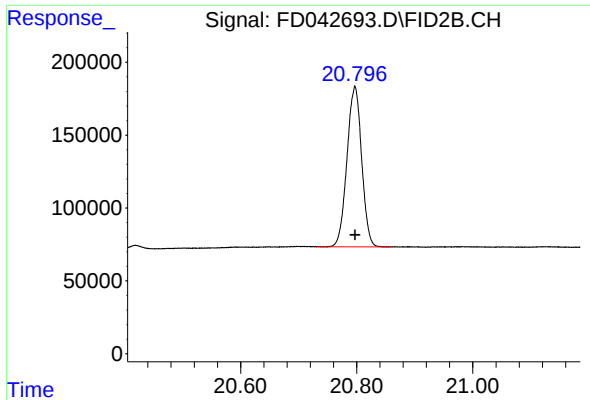
#19 n-Tetratriacontane (C34)

R.T.: 19.328 min
Delta R.T.: 0.000 min
Response: 2266545
Conc: 21.32 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.065 min
Delta R.T.: -0.002 min
Response: 2059528
Conc: 21.06 ug/ml m



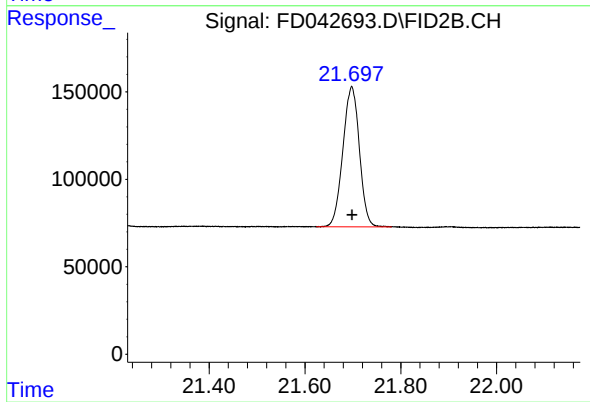
#21 n-Octatriacontane (C38)

R.T.: 20.797 min
Delta R.T.: 0.000 min
Response: 1930581
Conc: 21.17 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.698 min
Delta R.T.: 0.000 min
Response: 1923447
Conc: 23.74 ug/ml