

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061122AL\
 Data File : FD042879.D
 Signal(s) : FID2B.CH
 Acq On : 11 Jun 2022 5:51
 Operator : UA/NP
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2022
 Supervised By :Ankita Jodhani 06/13/2022

Integration File: sample.E
 Quant Time: Jun 11 07:08:04 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)	11.577	2723176	16.396 ug/ml
Spiked Amount 50.000		Recovery =	32.79%
12) S 1-chlorooctadecane (S...	13.013	2125919	16.278 ug/ml
Spiked Amount 50.000		Recovery =	32.56%
Target Compounds			
1) T n-Nonane (C9)	3.344	2457127	17.737 ug/ml
2) T n-Decane (C10)	4.412	2456976	17.793 ug/ml
3) T A~Naphthalene (C11.7)	5.996	2810797	17.868 ug/ml
4) T n-Dodecane (C12)	6.429	2529931	17.853 ug/ml
5) T A~2-methylnaphthalene...	7.051	2846364	17.778 ug/ml
6) T n-Tetradecane (C14)	8.222	2563829	17.802 ug/ml
7) T n-Hexadecane (C16)	9.821	2597196	17.607 ug/ml
8) T n-Octadecane (C18)	11.262	2597141	17.255 ug/ml
10) T n-Eicosane (C20)	12.568	2549769	16.956 ug/ml
11) T n-Heneicosane (C21)	13.180	2486382	16.424 ug/ml
13) T n-Docosane (C22)	13.766	2580711	17.073 ug/ml
14) T n-Tetracosane (C24)	14.866	2669260	17.786 ug/ml
15) T n-Hexacosane (C26)	15.885	2716707	18.634 ug/ml
16) T n-Octacosane (C28)	16.833	2778700	19.923 ug/ml
17) T n-Tricontane (C30)	17.719	2796008	21.386 ug/ml
18) T n-Dotriacontane (C32)	18.551	2611330	22.116 ug/ml
19) T n-Tetratriacontane (C34)	19.332	2257259	21.234 ug/mlm
20) T n-Hexatriacontane (C36)	20.071	2150459	21.993 ug/mlm
21) T n-Octatriacontane (C38)	20.802	1963411	21.526 ug/mlm
22) T n-Tetracontane (C40)	21.703	1999888	24.680 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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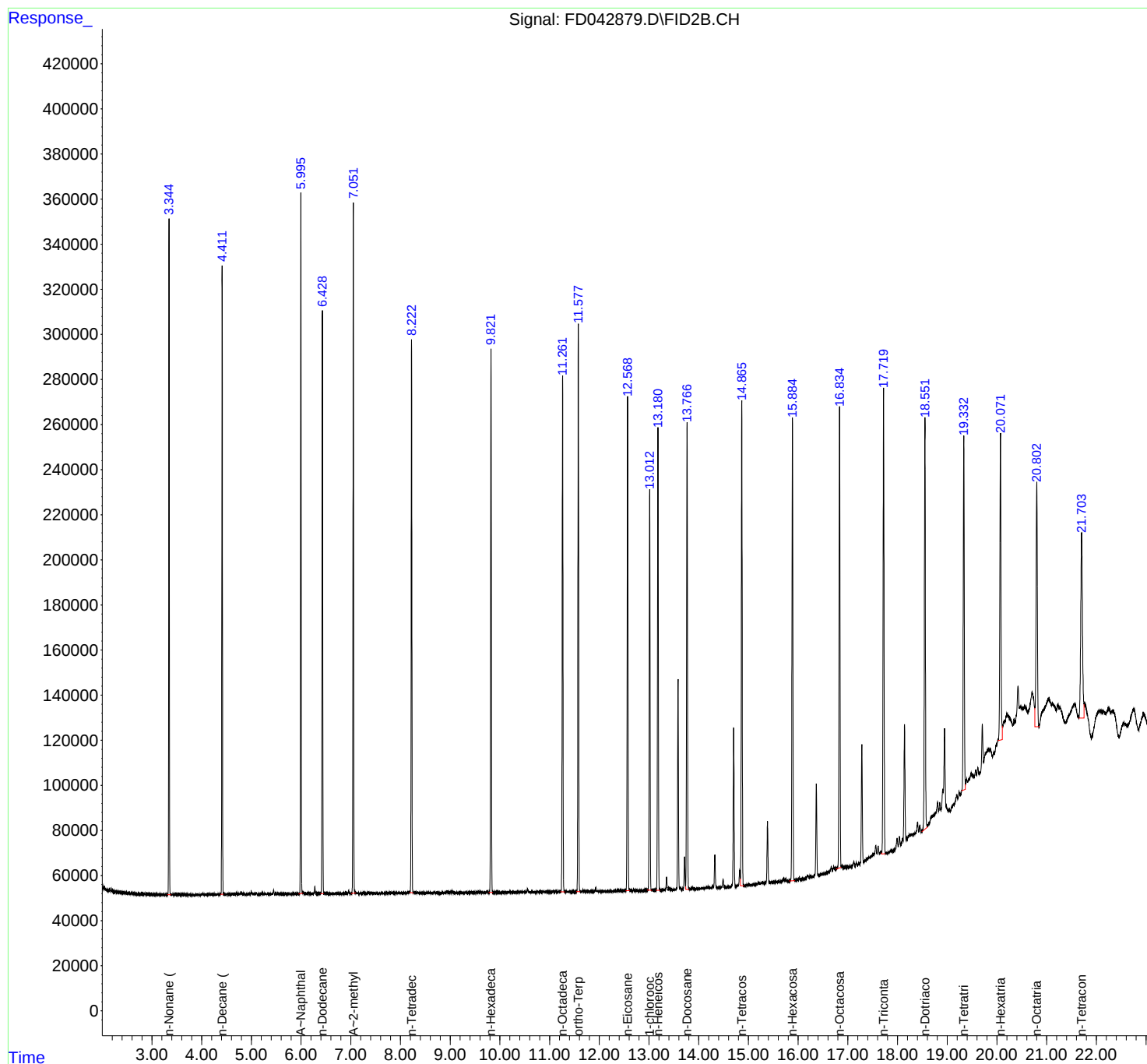
Instrument :
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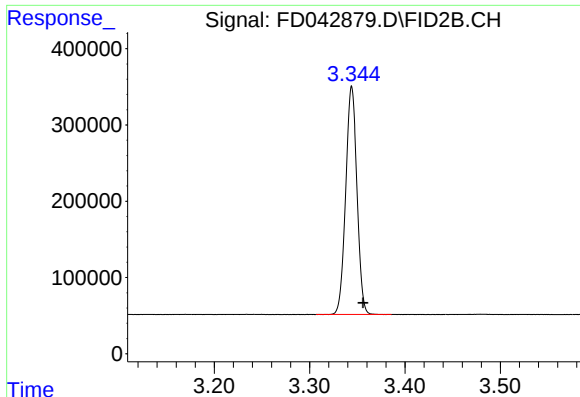
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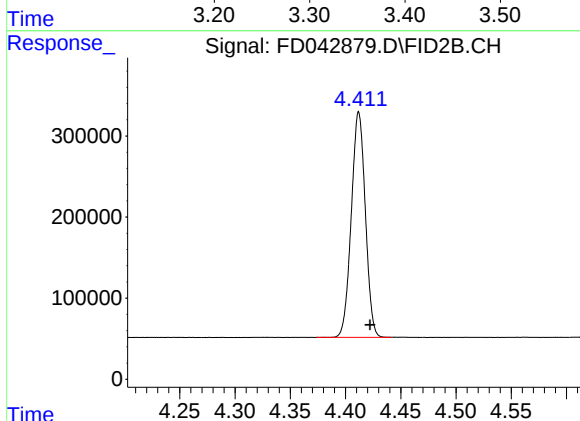
#1 n-Nonane (C9)

R.T.: 3.344 min
Delta R.T.: -0.012 min
Response: 2457127
Conc: 17.74 ug/ml

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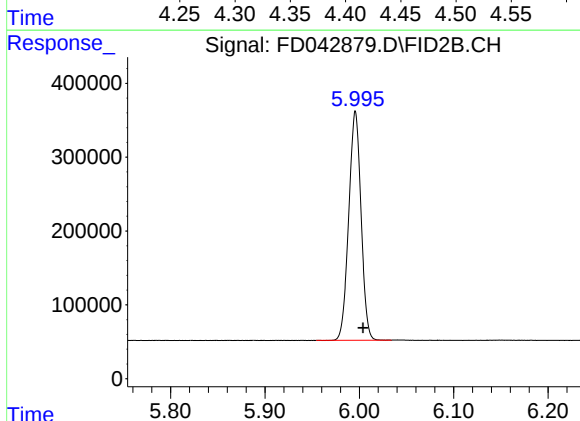
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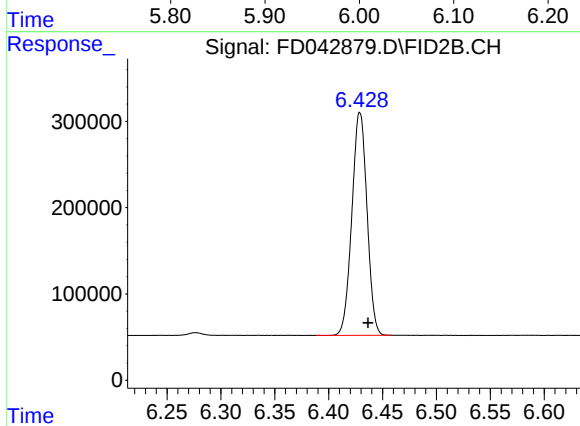
#2 n-Decane (C10)

R.T.: 4.412 min
Delta R.T.: -0.010 min
Response: 2456976
Conc: 17.79 ug/ml



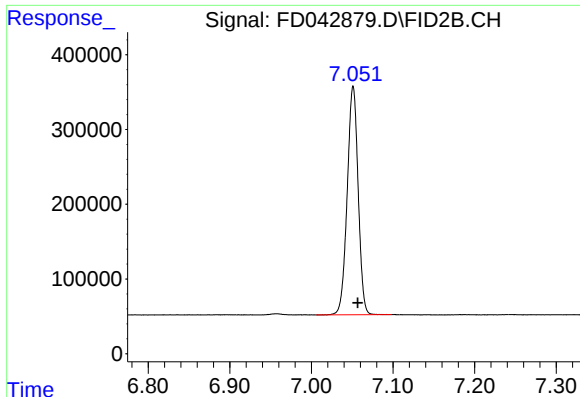
#3 A~Naphthalene (C11.7)

R.T.: 5.996 min
Delta R.T.: -0.008 min
Response: 2810797
Conc: 17.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.429 min
Delta R.T.: -0.007 min
Response: 2529931
Conc: 17.85 ug/ml



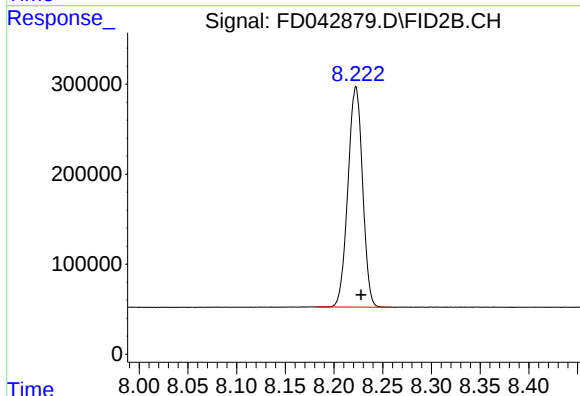
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.051 min
Delta R.T.: -0.006 min
Response: 2846364
Conc: 17.78 ug/ml

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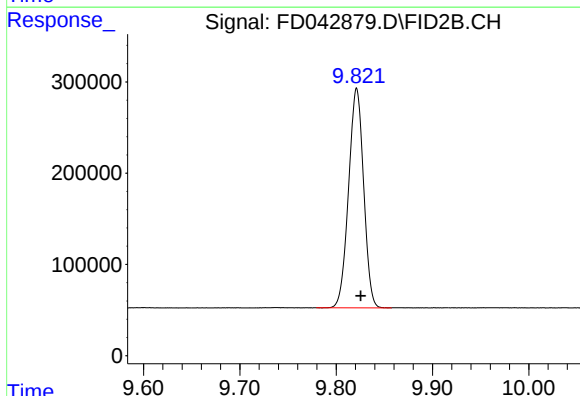
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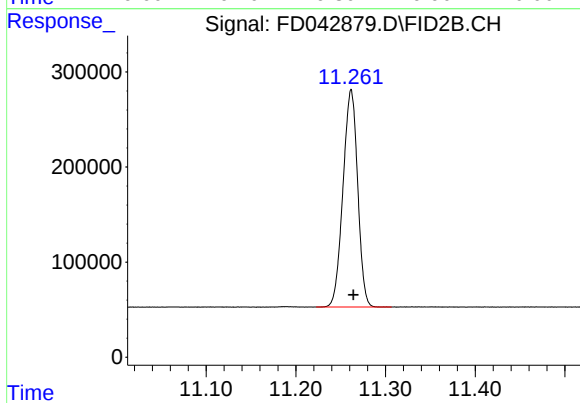
#6 n-Tetradecane (C14)

R.T.: 8.222 min
Delta R.T.: -0.005 min
Response: 2563829
Conc: 17.80 ug/ml



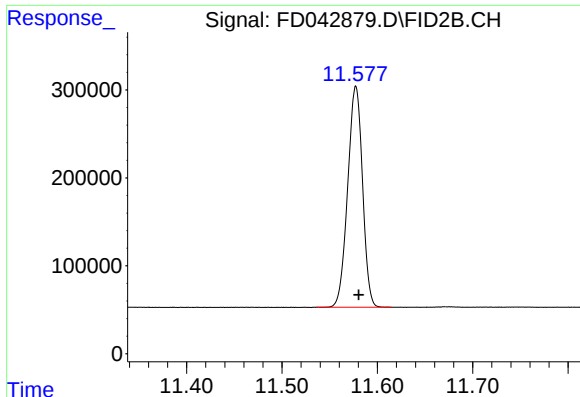
#7 n-Hexadecane (C16)

R.T.: 9.821 min
Delta R.T.: -0.004 min
Response: 2597196
Conc: 17.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.262 min
Delta R.T.: -0.002 min
Response: 2597141
Conc: 17.25 ug/ml



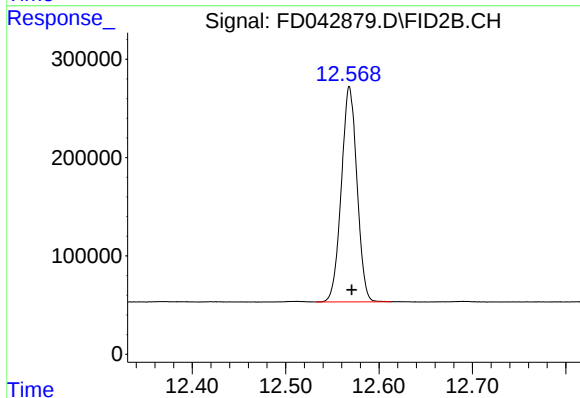
#9 ortho-Terphenyl (SURR)

R.T.: 11.577 min
Delta R.T.: -0.003 min
Response: 2723176
Conc: 16.40 ug/ml

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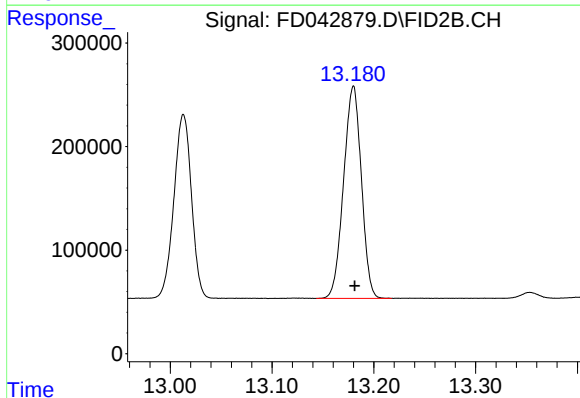
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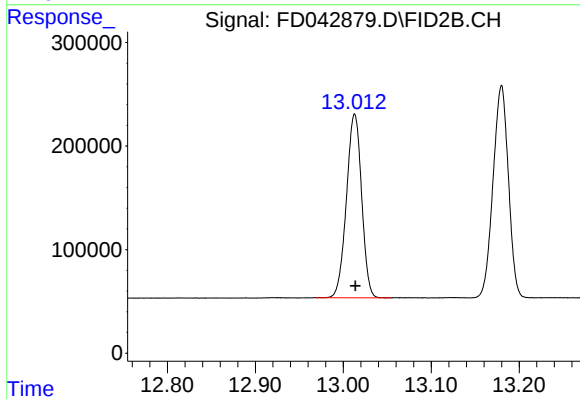
#10 n-Eicosane (C20)

R.T.: 12.568 min
Delta R.T.: -0.002 min
Response: 2549769
Conc: 16.96 ug/ml



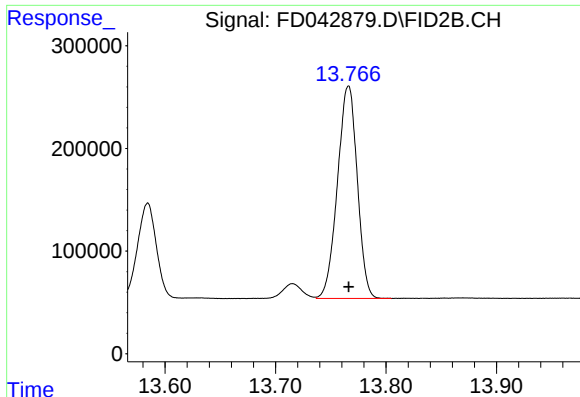
#11 n-Heneicosane (C21)

R.T.: 13.180 min
Delta R.T.: -0.001 min
Response: 2486382
Conc: 16.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.013 min
Delta R.T.: 0.000 min
Response: 2125919
Conc: 16.28 ug/ml



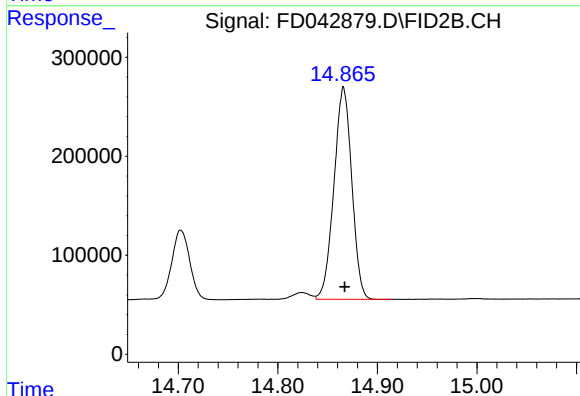
#13 n-Docosane (C22)

R.T.: 13.766 min
Delta R.T.: 0.000 min
Response: 2580711
Conc: 17.07 ug/ml

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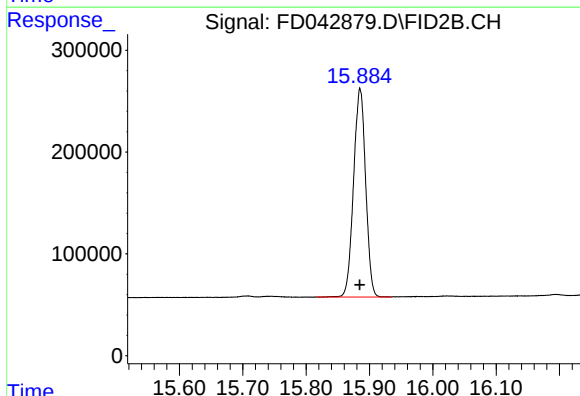
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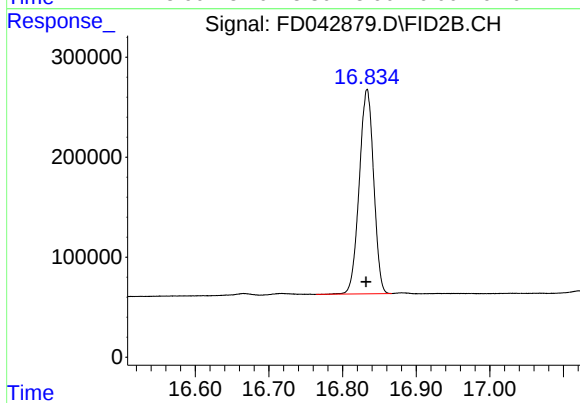
#14 n-Tetracosane (C24)

R.T.: 14.866 min
Delta R.T.: -0.001 min
Response: 2669260
Conc: 17.79 ug/ml



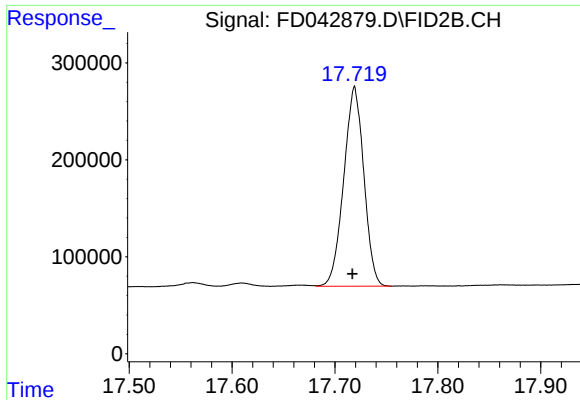
#15 n-Hexacosane (C26)

R.T.: 15.885 min
Delta R.T.: 0.000 min
Response: 2716707
Conc: 18.63 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.833 min
Delta R.T.: 0.001 min
Response: 2778700
Conc: 19.92 ug/ml



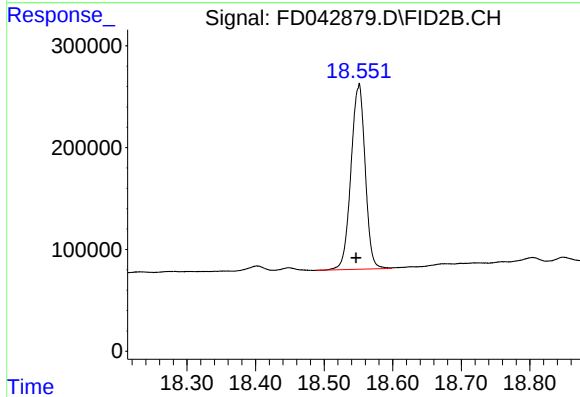
#17 n-Tricontane (C30)

R.T.: 17.719 min
Delta R.T.: 0.002 min
Response: 2796008
Conc: 21.39 ug/ml

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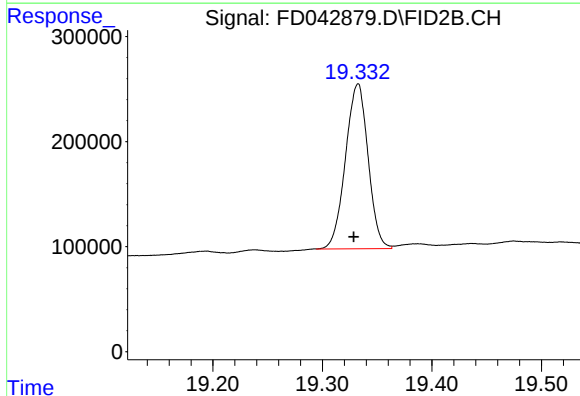
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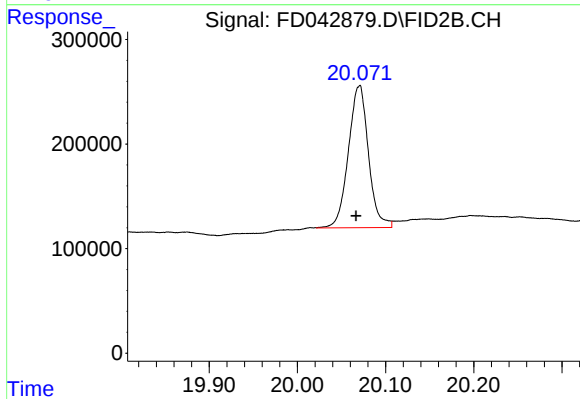
#18 n-Dotriacontane (C32)

R.T.: 18.551 min
Delta R.T.: 0.004 min
Response: 2611330
Conc: 22.12 ug/ml



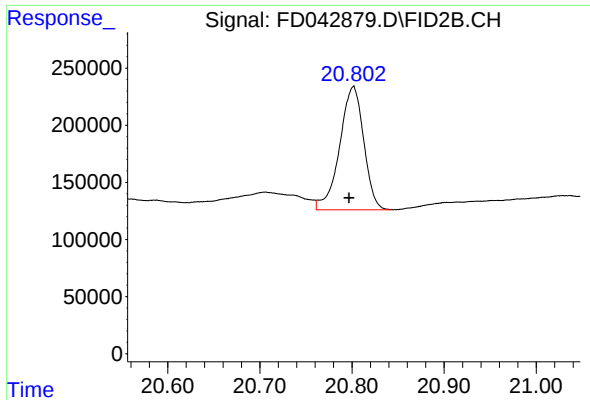
#19 n-Tetratriacontane (C34)

R.T.: 19.332 min
Delta R.T.: 0.004 min
Response: 2257259
Conc: 21.23 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.071 min
Delta R.T.: 0.004 min
Response: 2150459
Conc: 21.99 ug/ml m



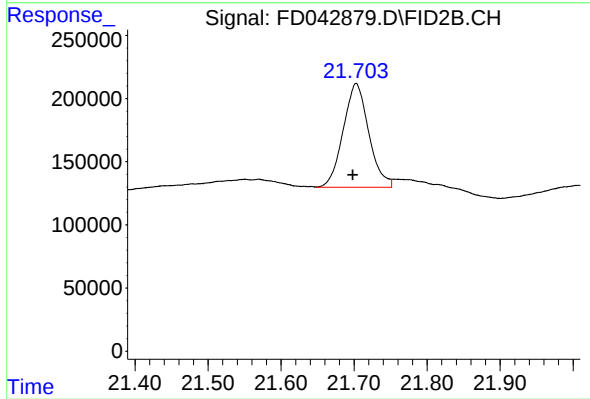
#21 n-Octatriacontane (C38)

R.T.: 20.802 min
Delta R.T.: 0.005 min
Response: 1963411
Conc: 21.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.703 min
Delta R.T.: 0.005 min
Response: 1999888
Conc: 24.68 ug/ml m