

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060122AL\
 Data File : FE035833.D
 Signal(s) : FID1B.CH
 Acq On : 01 Jun 2022 9:46
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

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

Integration File: sample.E
 Quant Time: Jun 02 04:38:06 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051022.M
 Quant Title : GC Extractables
 QLast Update : Wed May 11 03:24:10 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)	10.953	2564723	19.334 ug/ml
Spiked Amount 50.000		Recovery =	38.67%
12) S 1-chlorooctadecane (S...	12.384	1975571	18.886 ug/ml
Spiked Amount 50.000		Recovery =	37.77%
Target Compounds			
1) T n-Nonane (C9)	2.804	2461656	20.611 ug/ml
2) T n-Decane (C10)	3.817	2426627	20.506 ug/ml
3) T A~Naphthalene (C11.7)	5.385	2658115	19.893 ug/ml
4) T n-Dodecane (C12)	5.807	2428107	20.267 ug/ml
5) T A~2-methylnaphthalene...	6.434	2656835	19.646 ug/ml
6) T n-Tetradecane (C14)	7.597	2403144	20.162 ug/ml
7) T n-Hexadecane (C16)	9.194	2356523	19.763 ug/ml
8) T n-Octadecane (C18)	10.633	2340251	19.522 ug/ml
10) T n-Eicosane (C20)	11.940	2295136	19.238 ug/ml
11) T n-Heneicosane (C21)	12.550	2292156	19.091 ug/ml
13) T n-Docosane (C22)	13.134	2281046	18.941 ug/ml
14) T n-Tetracosane (C24)	14.235	2277715	18.824 ug/ml
15) T n-Hexacosane (C26)	15.255	2243570	18.540 ug/ml
16) T n-Octacosane (C28)	16.202	2222962	18.342 ug/ml
17) T n-Tricontane (C30)	17.087	2176767	18.103 ug/ml
18) T n-Dotriacontane (C32)	17.919	2083729	18.132 ug/ml
19) T n-Tetratriacontane (C34)	18.700	2016342	18.639 ug/ml
20) T n-Hexatriacontane (C36)	19.437	1951080	19.368 ug/mlm
21) T n-Octatriacontane (C38)	20.171	1975456	20.734 ug/mlm
22) T n-Tetracontane (C40)	21.087	2262432	24.227 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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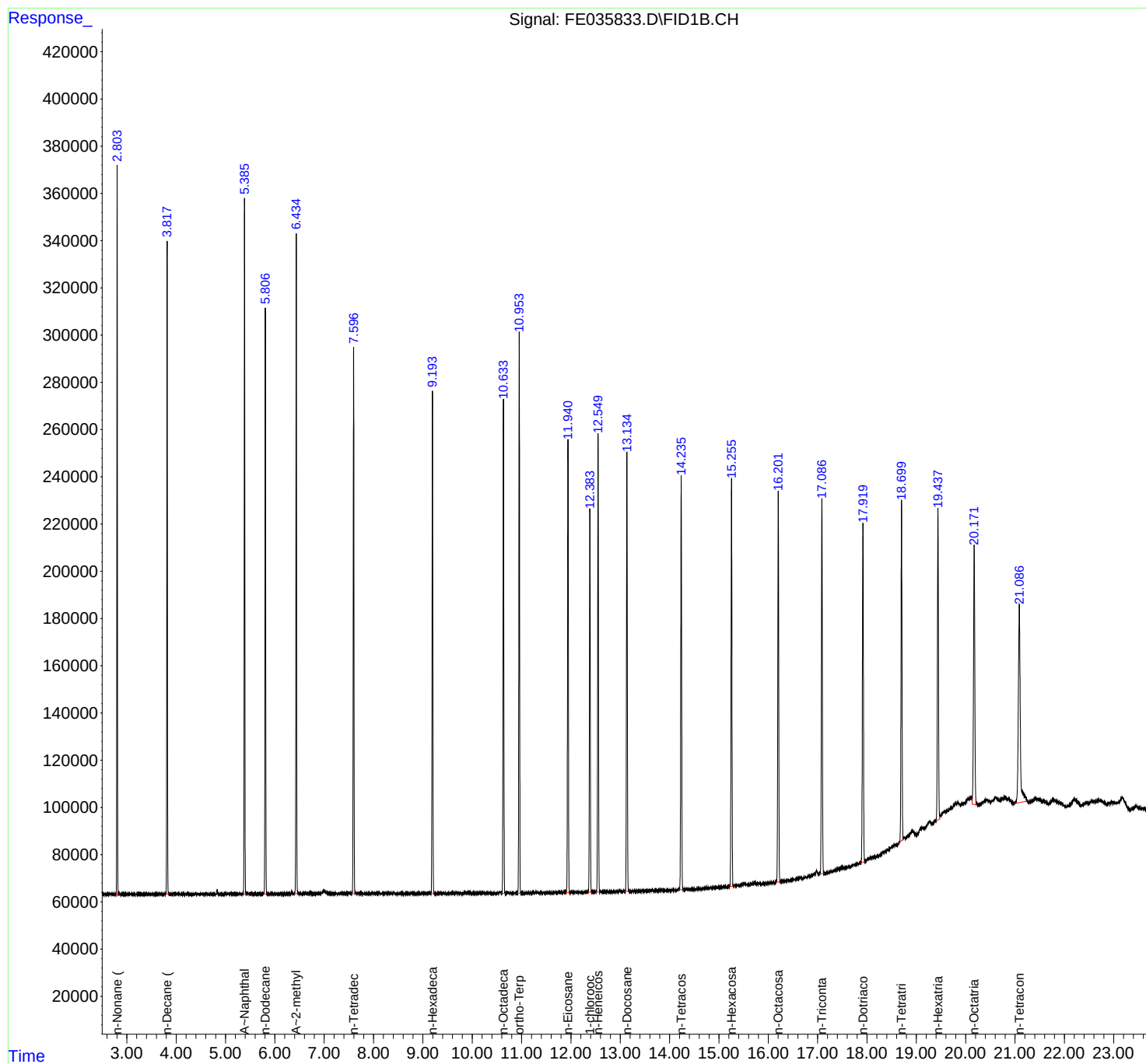
Instrument :
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20 PPM ALIPHATIC HC STD

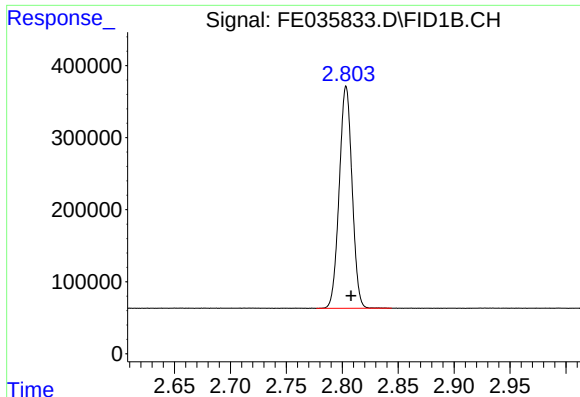
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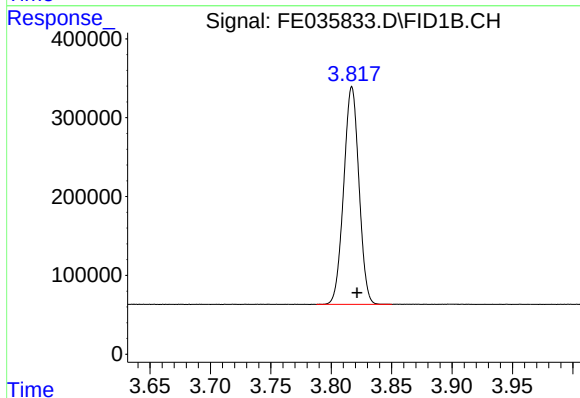
#1 n-Nonane (C9)

R.T.: 2.804 min
Delta R.T.: -0.004 min
Response: 2461656
Conc: 20.61 ug/ml

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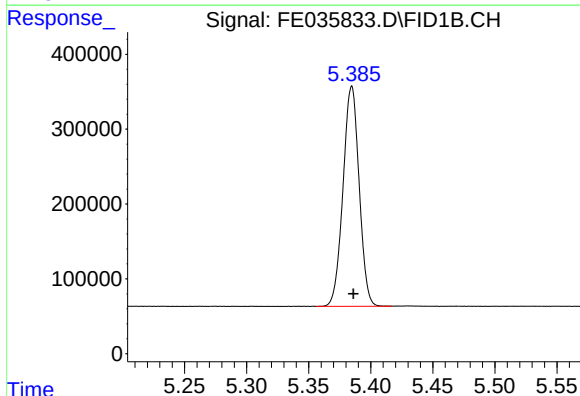
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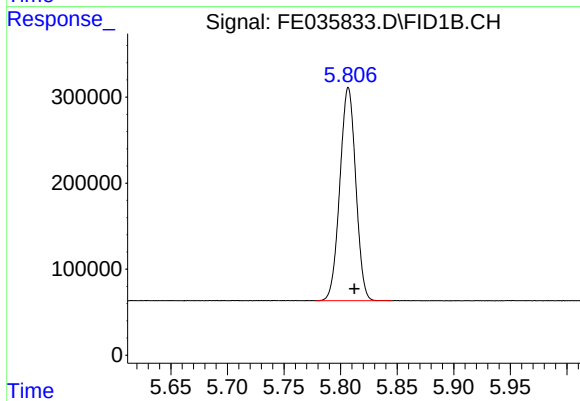
#2 n-Decane (C10)

R.T.: 3.817 min
Delta R.T.: -0.004 min
Response: 2426627
Conc: 20.51 ug/ml



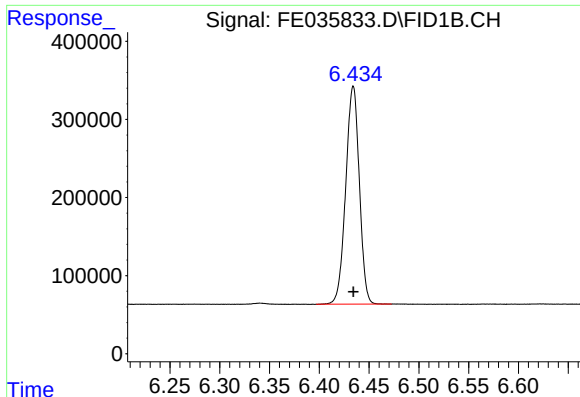
#3 A~Naphthalene (C11.7)

R.T.: 5.385 min
Delta R.T.: -0.001 min
Response: 2658115
Conc: 19.89 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.807 min
Delta R.T.: -0.005 min
Response: 2428107
Conc: 20.27 ug/ml



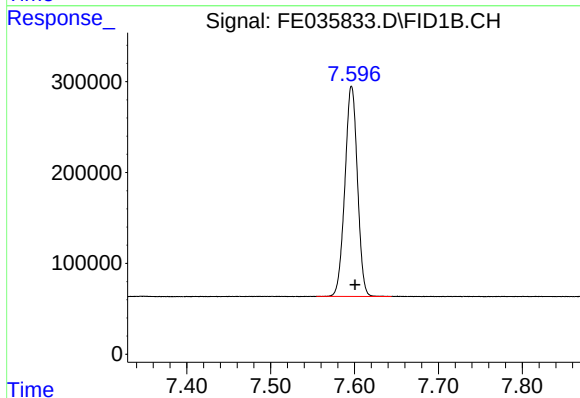
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.434 min
Delta R.T.: 0.000 min
Response: 2656835
Conc: 19.65 ug/ml

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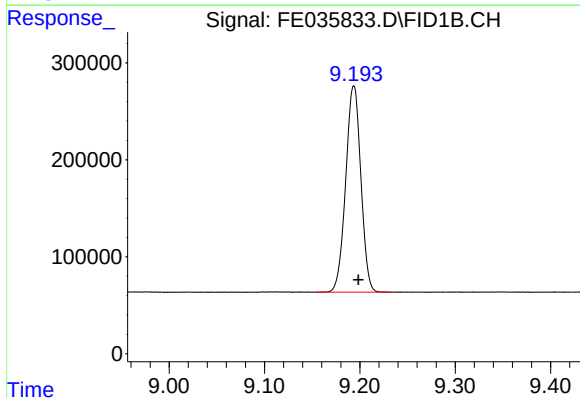
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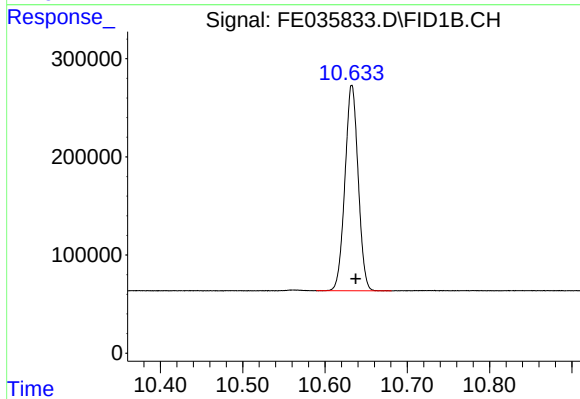
#6 n-Tetradecane (C14)

R.T.: 7.597 min
Delta R.T.: -0.004 min
Response: 2403144
Conc: 20.16 ug/ml



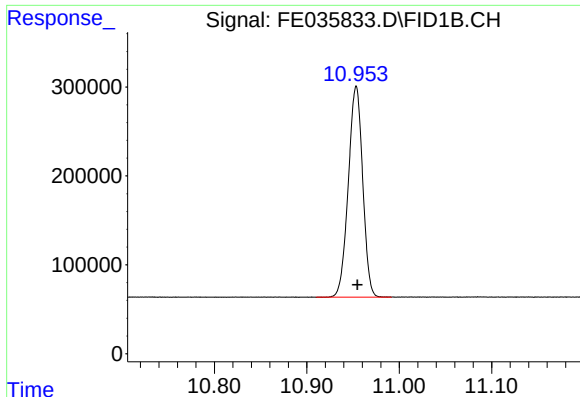
#7 n-Hexadecane (C16)

R.T.: 9.194 min
Delta R.T.: -0.005 min
Response: 2356523
Conc: 19.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.633 min
Delta R.T.: -0.005 min
Response: 2340251
Conc: 19.52 ug/ml



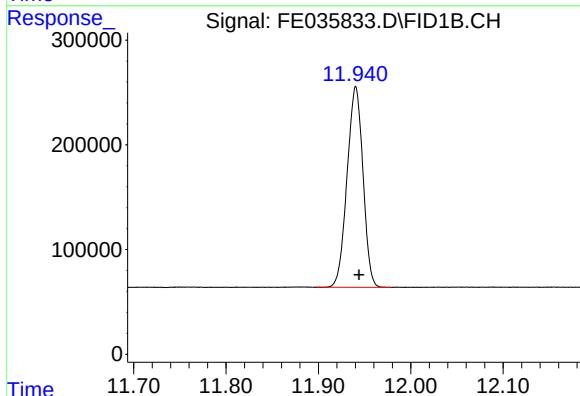
#9 ortho-Terphenyl (SURR)

R.T.: 10.953 min
Delta R.T.: -0.001 min
Response: 2564723
Conc: 19.33 ug/ml

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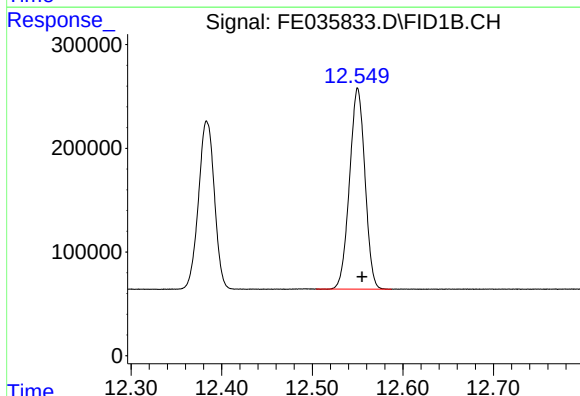
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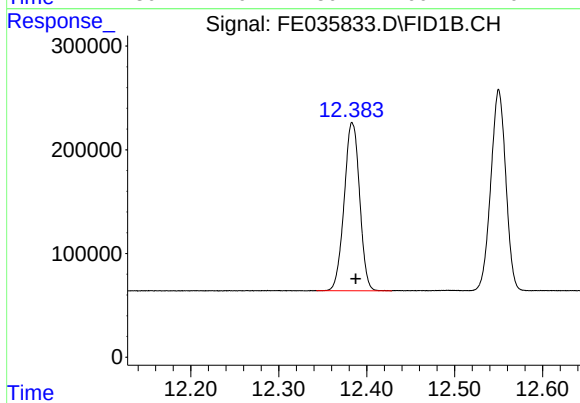
#10 n-Eicosane (C20)

R.T.: 11.940 min
Delta R.T.: -0.004 min
Response: 2295136
Conc: 19.24 ug/ml



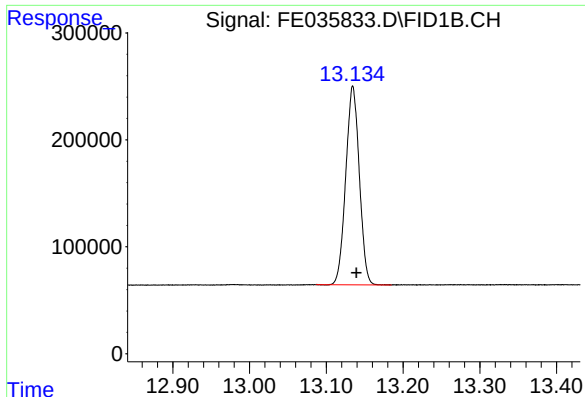
#11 n-Heneicosane (C21)

R.T.: 12.550 min
Delta R.T.: -0.005 min
Response: 2292156
Conc: 19.09 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.384 min
Delta R.T.: -0.004 min
Response: 1975571
Conc: 18.89 ug/ml



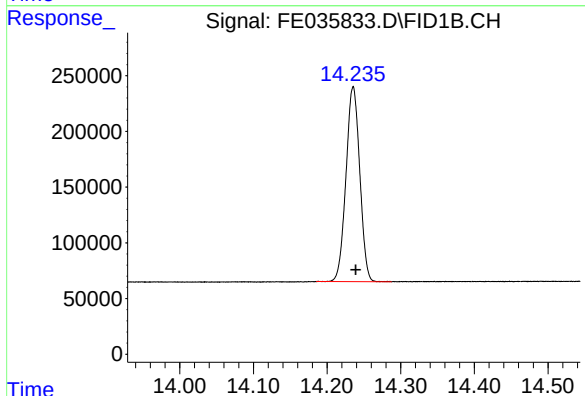
#13 n-Docosane (C22)

R.T.: 13.134 min
Delta R.T.: -0.005 min
Response: 2281046
Conc: 18.94 ug/ml

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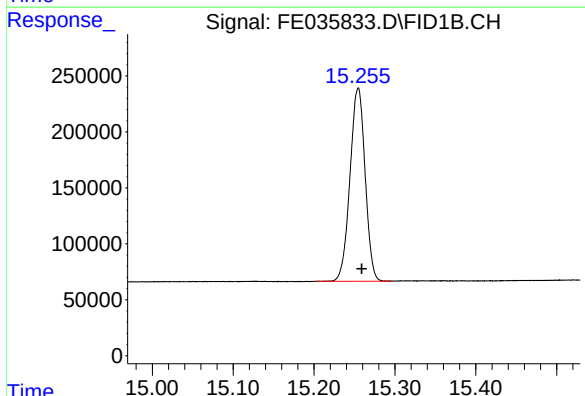
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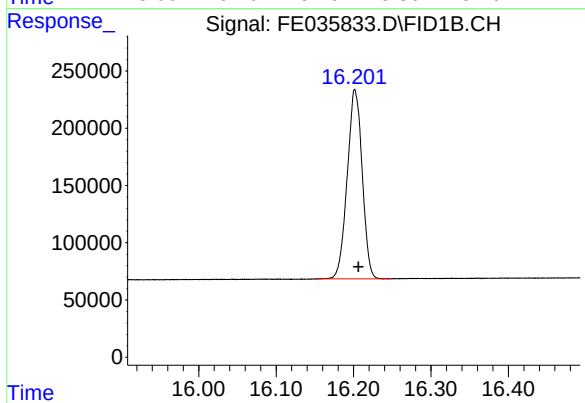
#14 n-Tetracosane (C24)

R.T.: 14.235 min
Delta R.T.: -0.003 min
Response: 2277715
Conc: 18.82 ug/ml



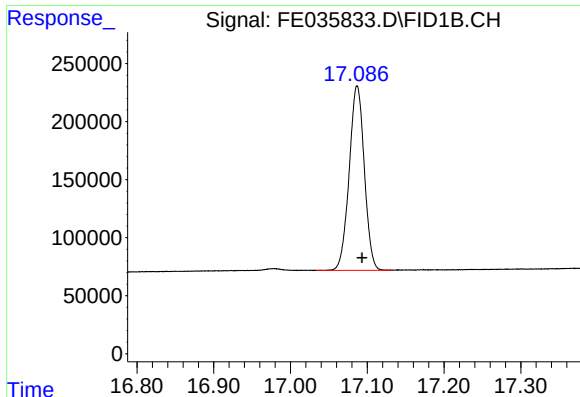
#15 n-Hexacosane (C26)

R.T.: 15.255 min
Delta R.T.: -0.004 min
Response: 2243570
Conc: 18.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.202 min
Delta R.T.: -0.005 min
Response: 2222962
Conc: 18.34 ug/ml



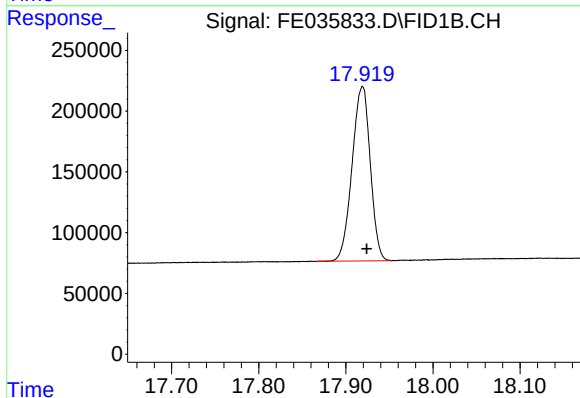
#17 n-Tricontane (C30)

R.T.: 17.087 min
Delta R.T.: -0.006 min
Response: 2176767
Conc: 18.10 ug/ml

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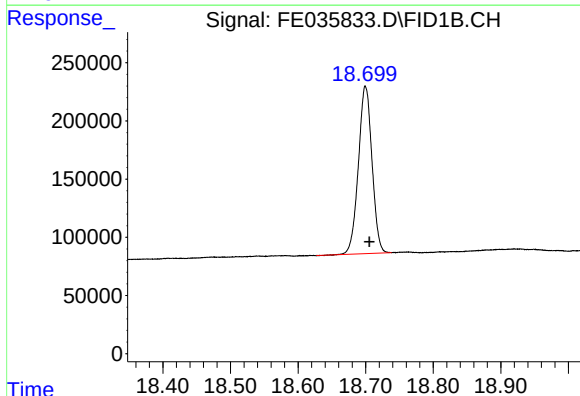
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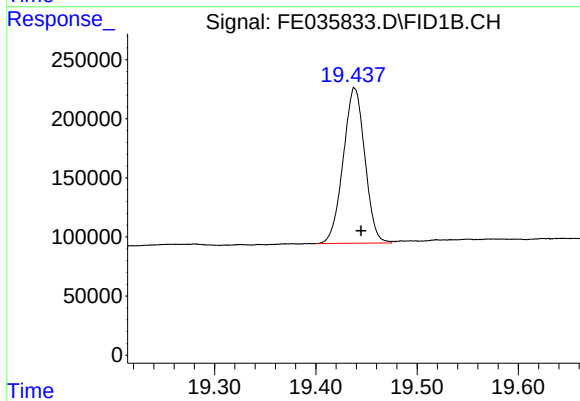
#18 n-Dotriacontane (C32)

R.T.: 17.919 min
Delta R.T.: -0.005 min
Response: 2083729
Conc: 18.13 ug/ml



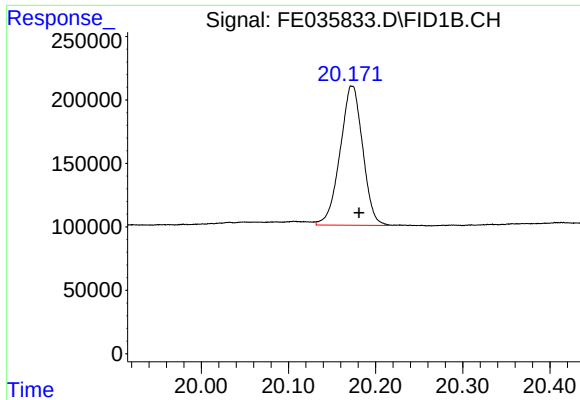
#19 n-Tetratriacontane (C34)

R.T.: 18.700 min
Delta R.T.: -0.006 min
Response: 2016342
Conc: 18.64 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.437 min
Delta R.T.: -0.007 min
Response: 1951080
Conc: 19.37 ug/ml m



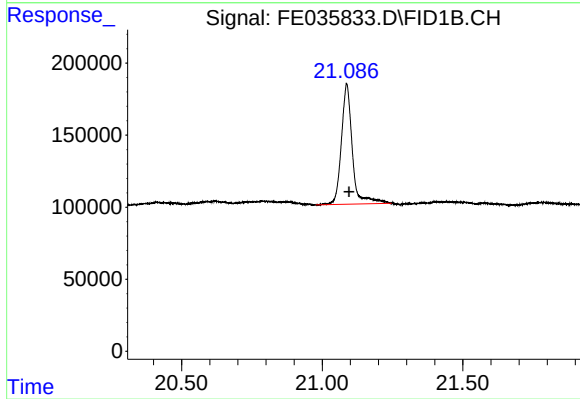
#21 n-Octatriacontane (C38)

R.T.: 20.171 min
Delta R.T.: -0.010 min
Response: 1975456
Conc: 20.73 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.087 min
Delta R.T.: -0.008 min
Response: 2262432
Conc: 24.23 ug/ml