

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE022222AL\
 Data File : FE035136.D
 Signal(s) : FID1B.CH
 Acq On : 22 Feb 2022 8:35
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/22/2022
 Supervised By :Ankita Jodhani 02/22/2022

Integration File: sample.E
 Quant Time: Feb 22 09:08:31 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 022222.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 22 01:24:23 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)	11.732	20848092	20.894 ug/ml
Spiked Amount 50.000		Recovery =	41.79%
12) S 1-chlorooctadecane (S...	13.149	16768718	21.592 ug/ml
Spiked Amount 50.000		Recovery =	43.18%
Target Compounds			
1) T n-Nonane (C9)	3.628	16575776	20.197 ug/ml
2) T n-Decane (C10)	4.617	17789254	21.006 ug/ml
3) T A~Naphthalene (C11.7)	6.169	19455326	20.618 ug/ml
4) T n-Dodecane (C12)	6.588	18539251	21.110 ug/ml
5) T A~2-methylnaphthalene...	7.217	19513741	20.489 ug/ml
6) T n-Tetradecane (C14)	8.369	18585786	21.141 ug/ml
7) T n-Hexadecane (C16)	9.963	18706008	20.990 ug/ml
8) T n-Octadecane (C18)	11.402	18782451	20.821 ug/ml
10) T n-Eicosane (C20)	12.704	18878816	21.041 ug/ml
11) T n-Heneicosane (C21)	13.315	18852790	20.959 ug/ml
13) T n-Docosane (C22)	13.898	18599996	20.770 ug/ml
14) T n-Tetracosane (C24)	14.996	18196329	20.663 ug/ml
15) T n-Hexacosane (C26)	16.012	16984255	20.127 ug/ml
16) T n-Octacosane (C28)	16.956	15140784	19.284 ug/ml
17) T n-Tricontane (C30)	17.837	12526559	17.982 ug/ml
18) T n-Dotriacontane (C32)	18.663	9509283	16.847 ug/ml
19) T n-Tetratriacontane (C34)	19.440	6332641	15.198 ug/ml
20) T n-Hexatriacontane (C36)	20.174	4282814	15.276 ug/ml
21) T n-Octatriacontane (C38)	20.920	2637318	14.404 ug/ml
22) T n-Tetracontane (C40)	21.849	1876530	15.062 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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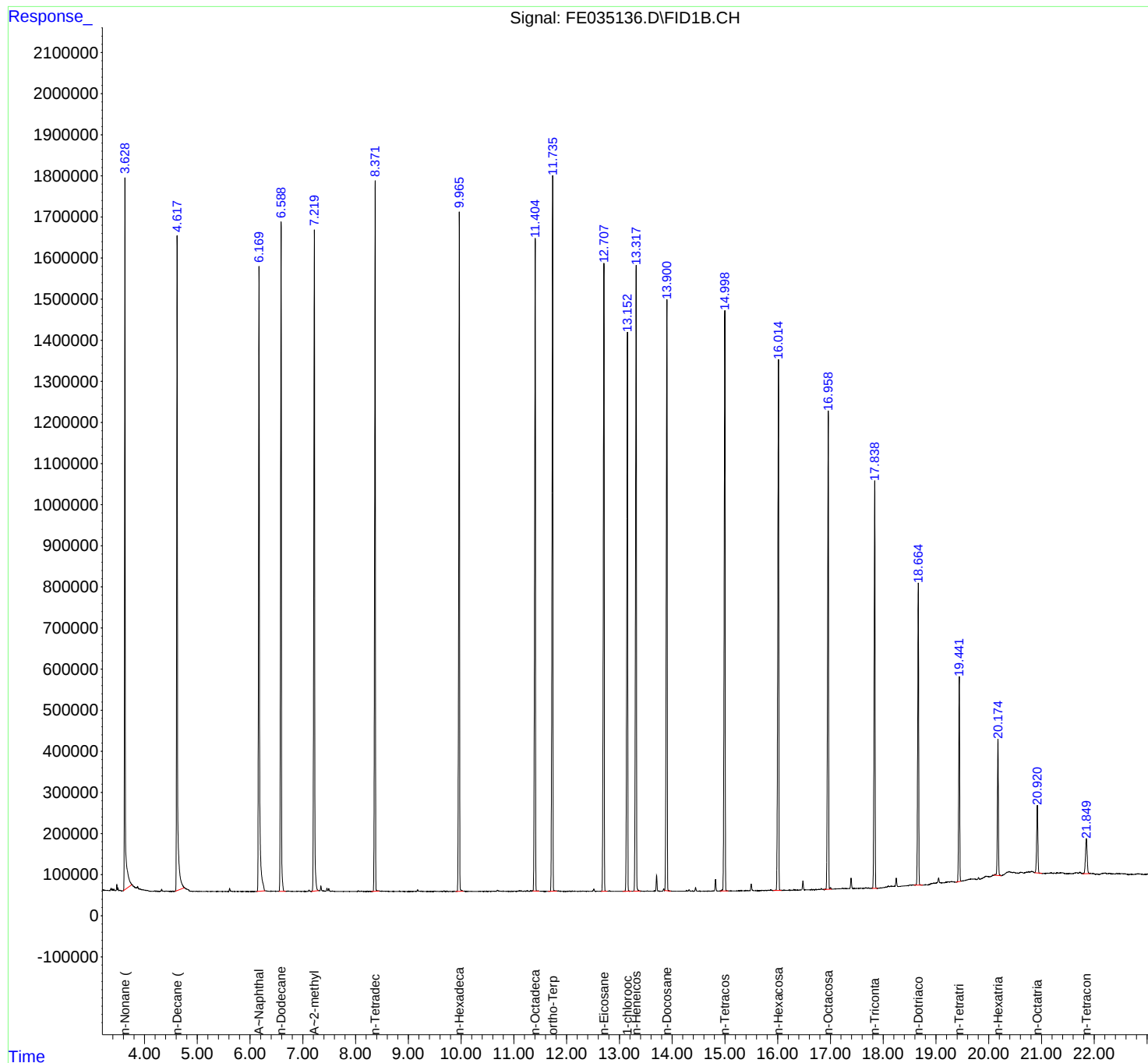
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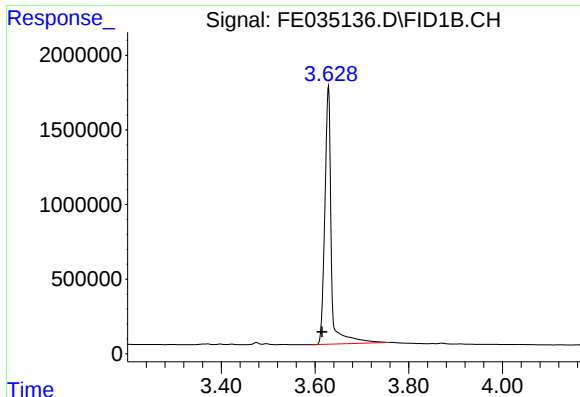
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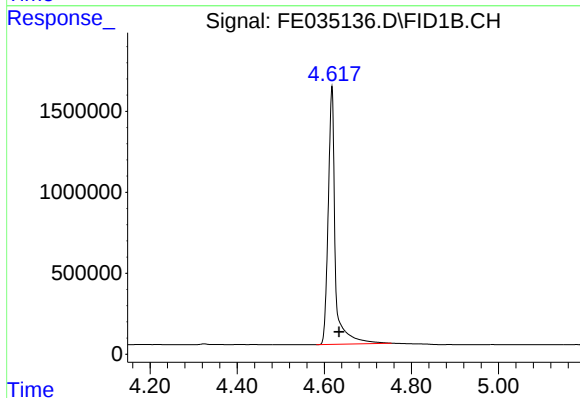
#1 n-Nonane (C9)

R.T.: 3.628 min
Delta R.T.: 0.013 min
Response: 16575776
Conc: 20.20 ug/ml

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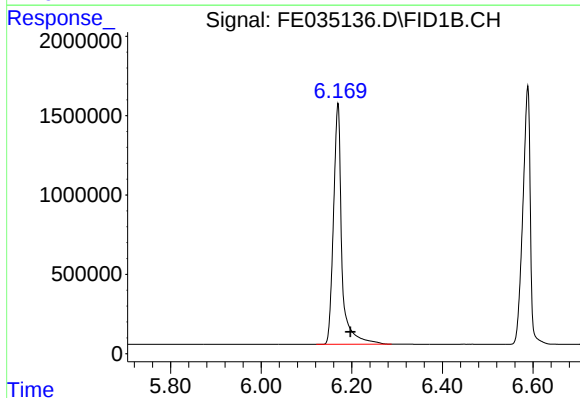
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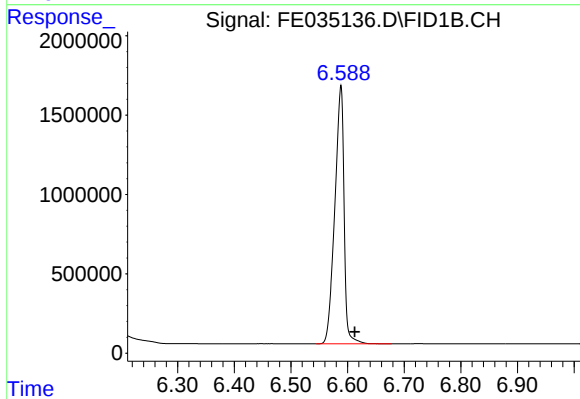
#2 n-Decane (C10)

R.T.: 4.617 min
Delta R.T.: -0.017 min
Response: 17789254
Conc: 21.01 ug/ml



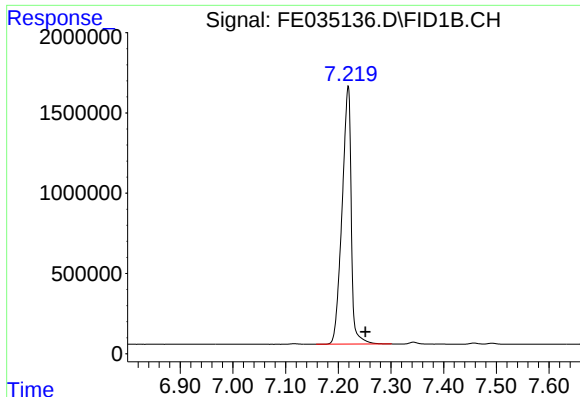
#3 A~Naphthalene (C11.7)

R.T.: 6.169 min
Delta R.T.: -0.028 min
Response: 19455326
Conc: 20.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.588 min
Delta R.T.: -0.025 min
Response: 18539251
Conc: 21.11 ug/ml



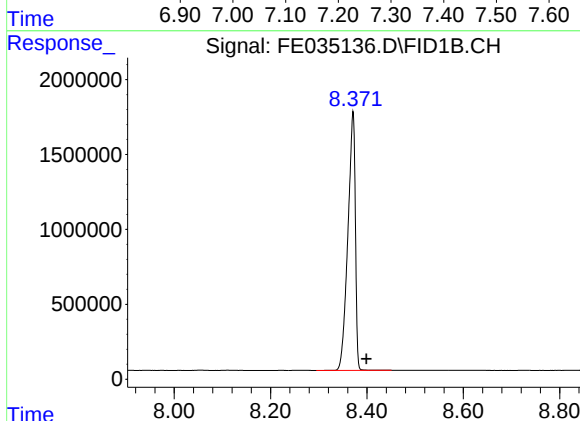
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.217 min
Delta R.T.: -0.035 min
Response: 19513741
Conc: 20.49 ug/ml

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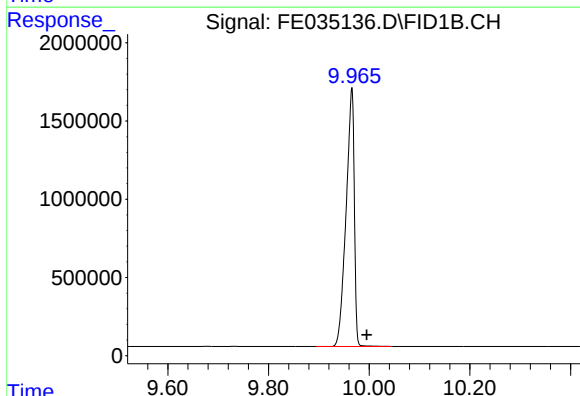
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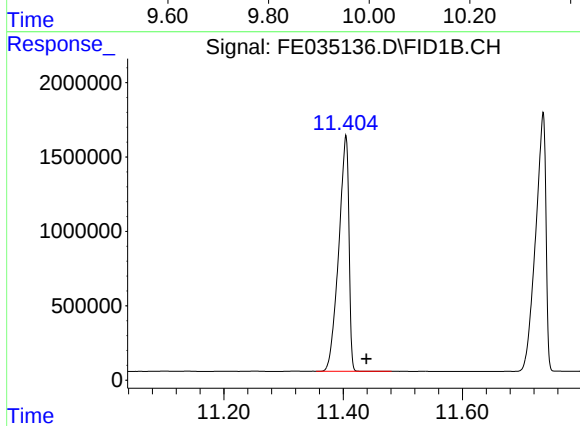
#6 n-Tetradecane (C14)

R.T.: 8.369 min
Delta R.T.: -0.030 min
Response: 18585786
Conc: 21.14 ug/ml



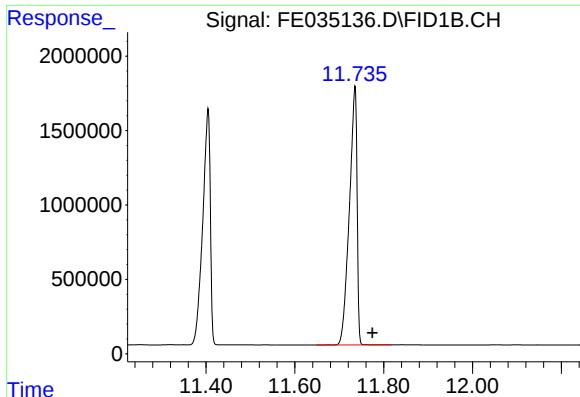
#7 n-Hexadecane (C16)

R.T.: 9.963 min
Delta R.T.: -0.032 min
Response: 18706008
Conc: 20.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.402 min
Delta R.T.: -0.037 min
Response: 18782451
Conc: 20.82 ug/ml



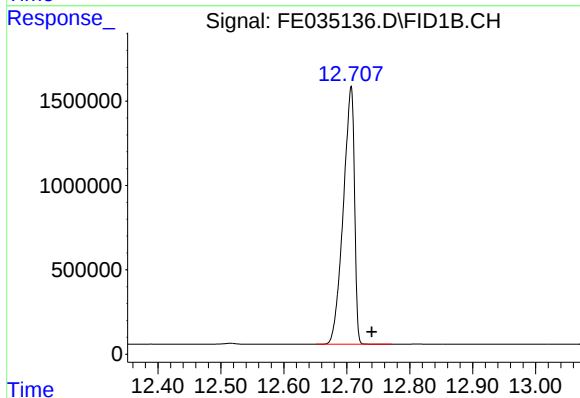
#9 ortho-Terphenyl (SURR)

R.T.: 11.732 min
Delta R.T.: -0.042 min
Response: 20848092
Conc: 20.89 ug/ml

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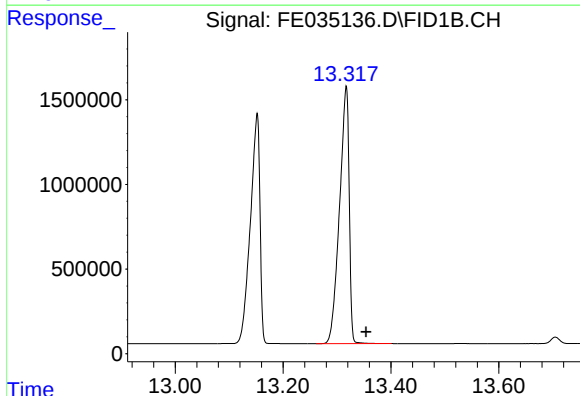
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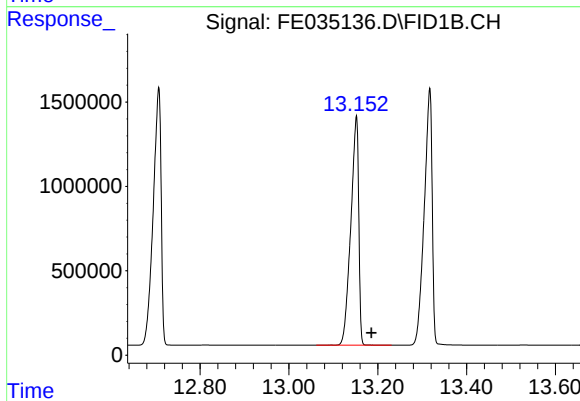
#10 n-Eicosane (C20)

R.T.: 12.704 min
Delta R.T.: -0.035 min
Response: 18878816
Conc: 21.04 ug/ml



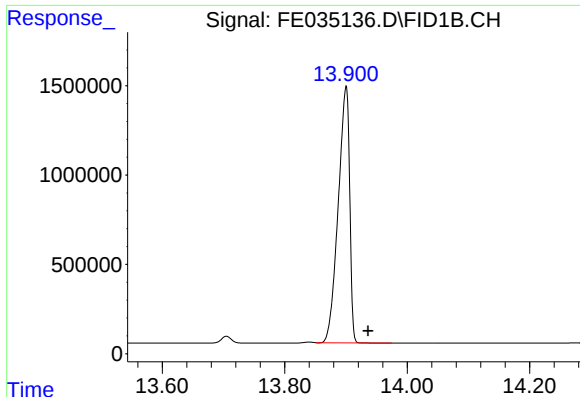
#11 n-Heneicosane (C21)

R.T.: 13.315 min
Delta R.T.: -0.039 min
Response: 18852790
Conc: 20.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.149 min
Delta R.T.: -0.036 min
Response: 16768718
Conc: 21.59 ug/ml



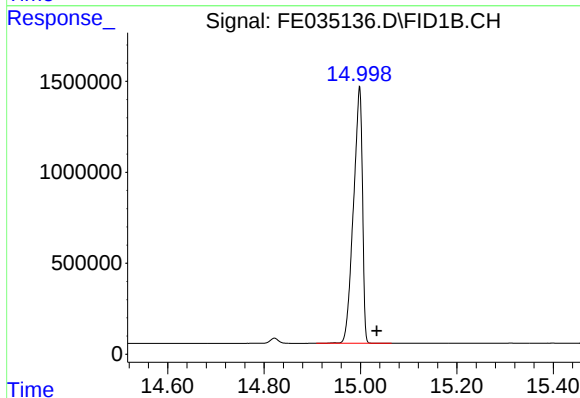
#13 n-Docosane (C22)

R.T.: 13.898 min
Delta R.T.: -0.038 min
Response: 18599996
Conc: 20.77 ug/ml

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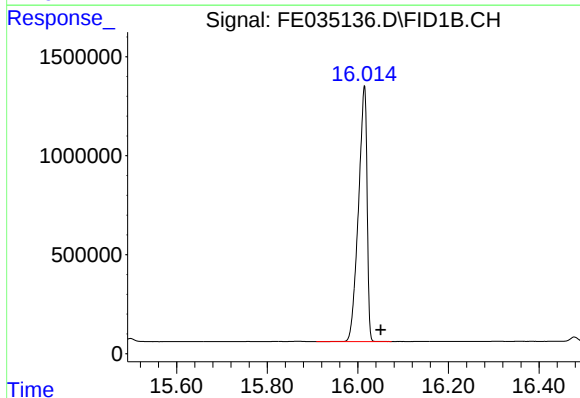
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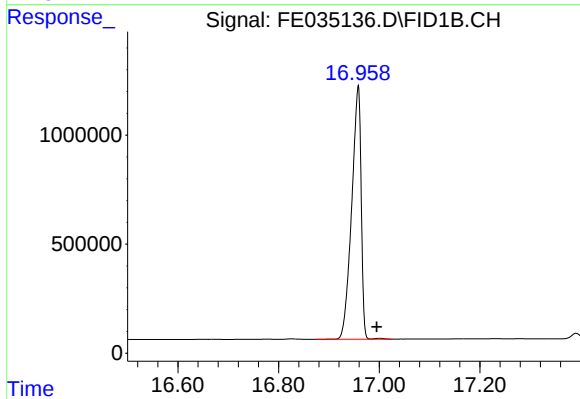
#14 n-Tetracosane (C24)

R.T.: 14.996 min
Delta R.T.: -0.038 min
Response: 18196329
Conc: 20.66 ug/ml



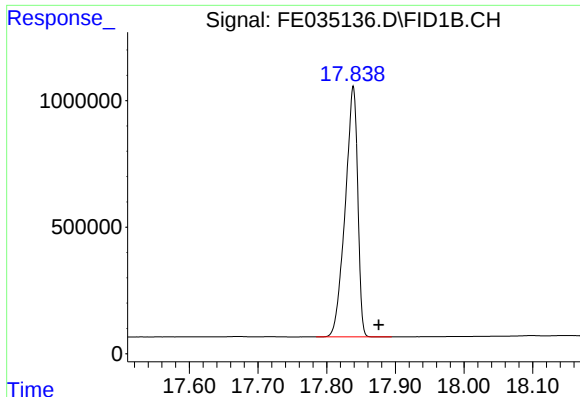
#15 n-Hexacosane (C26)

R.T.: 16.012 min
Delta R.T.: -0.038 min
Response: 16984255
Conc: 20.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.956 min
Delta R.T.: -0.039 min
Response: 15140784
Conc: 19.28 ug/ml



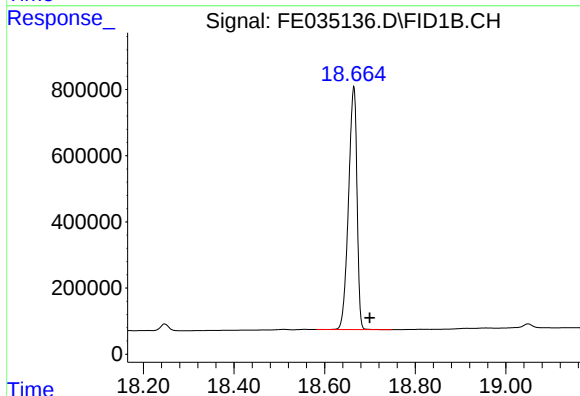
#17 n-Tricontane (C30)

R.T.: 17.837 min
Delta R.T.: -0.039 min
Response: 12526559
Conc: 17.98 ug/ml

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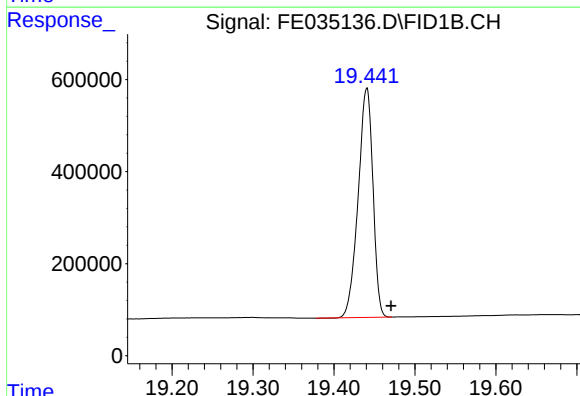
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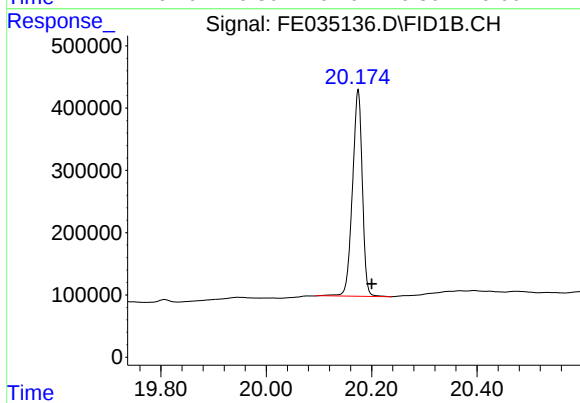
#18 n-Dotriacontane (C32)

R.T.: 18.663 min
Delta R.T.: -0.037 min
Response: 9509283
Conc: 16.85 ug/ml



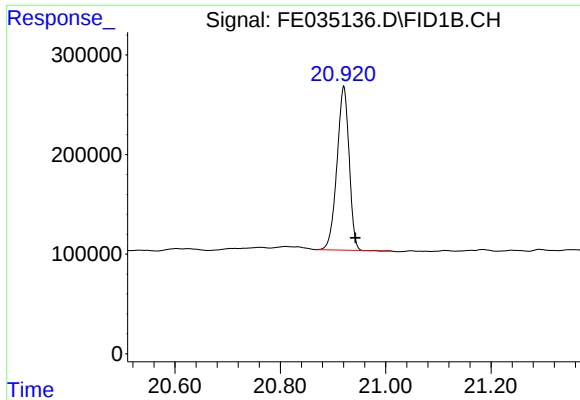
#19 n-Tetratriacontane (C34)

R.T.: 19.440 min
Delta R.T.: -0.031 min
Response: 6332641
Conc: 15.20 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.174 min
Delta R.T.: -0.026 min
Response: 4282814
Conc: 15.28 ug/ml



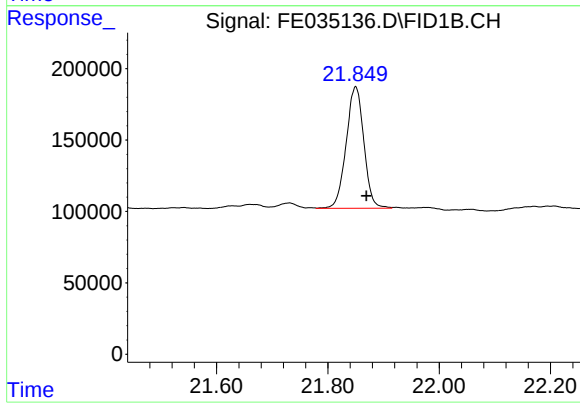
#21 n-Octatriacontane (C38)

R.T.: 20.920 min
Delta R.T.: -0.023 min
Response: 2637318
Conc: 14.40 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.849 min
Delta R.T.: -0.020 min
Response: 1876530
Conc: 15.06 ug/ml m