

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021122AL\
 Data File : FE035034.D
 Signal(s) : FID1B.CH
 Acq On : 12 Feb 2022 6:08
 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 02/14/2022
 Supervised By :Ankita Jodhani 02/14/2022

Integration File: sample.E
 Quant Time: Feb 13 23:57:51 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020822.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 08 22:05:03 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)	11.126	6379417	21.782 ug/ml
Spiked Amount 50.000		Recovery =	43.56%
12) S 1-chlorooctadecane (S...	12.555	4886389	21.855 ug/ml
Spiked Amount 50.000		Recovery =	43.71%
Target Compounds			
1) T n-Nonane (C9)	2.987	5466105	21.549 ug/ml
2) T n-Decane (C10)	4.004	5547910	21.615 ug/ml
3) T A~Naphthalene (C11.7)	5.562	6251723	21.792 ug/ml
4) T n-Dodecane (C12)	5.993	5569757	21.649 ug/ml
5) T A~2-methylnaphthalene...	6.610	6280829	21.707 ug/ml
6) T n-Tetradecane (C14)	7.780	5681144	21.720 ug/ml
7) T n-Hexadecane (C16)	9.374	5707630	21.766 ug/ml
8) T n-Octadecane (C18)	10.811	5821146	21.832 ug/ml
10) T n-Eicosane (C20)	12.114	5692113	21.795 ug/ml
11) T n-Heneicosane (C21)	12.724	5702559	21.768 ug/ml
13) T n-Docosane (C22)	13.308	5606888	21.750 ug/ml
14) T n-Tetracosane (C24)	14.407	5525784	21.794 ug/ml
15) T n-Hexacosane (C26)	15.422	5292028	21.673 ug/ml
16) T n-Octacosane (C28)	16.368	5220521	21.939 ug/ml
17) T n-Tricontane (C30)	17.253	5204800	22.631 ug/ml
18) T n-Dotriacontane (C32)	18.082	4924440	23.038 ug/ml
19) T n-Tetratriacontane (C34)	18.861	4579953	22.724 ug/ml
20) T n-Hexatriacontane (C36)	19.598	4323897	22.860 ug/mlm
21) T n-Octatriacontane (C38)	20.310	4022839	22.112 ug/ml
22) T n-Tetracontane (C40)	21.156	4114786	22.463 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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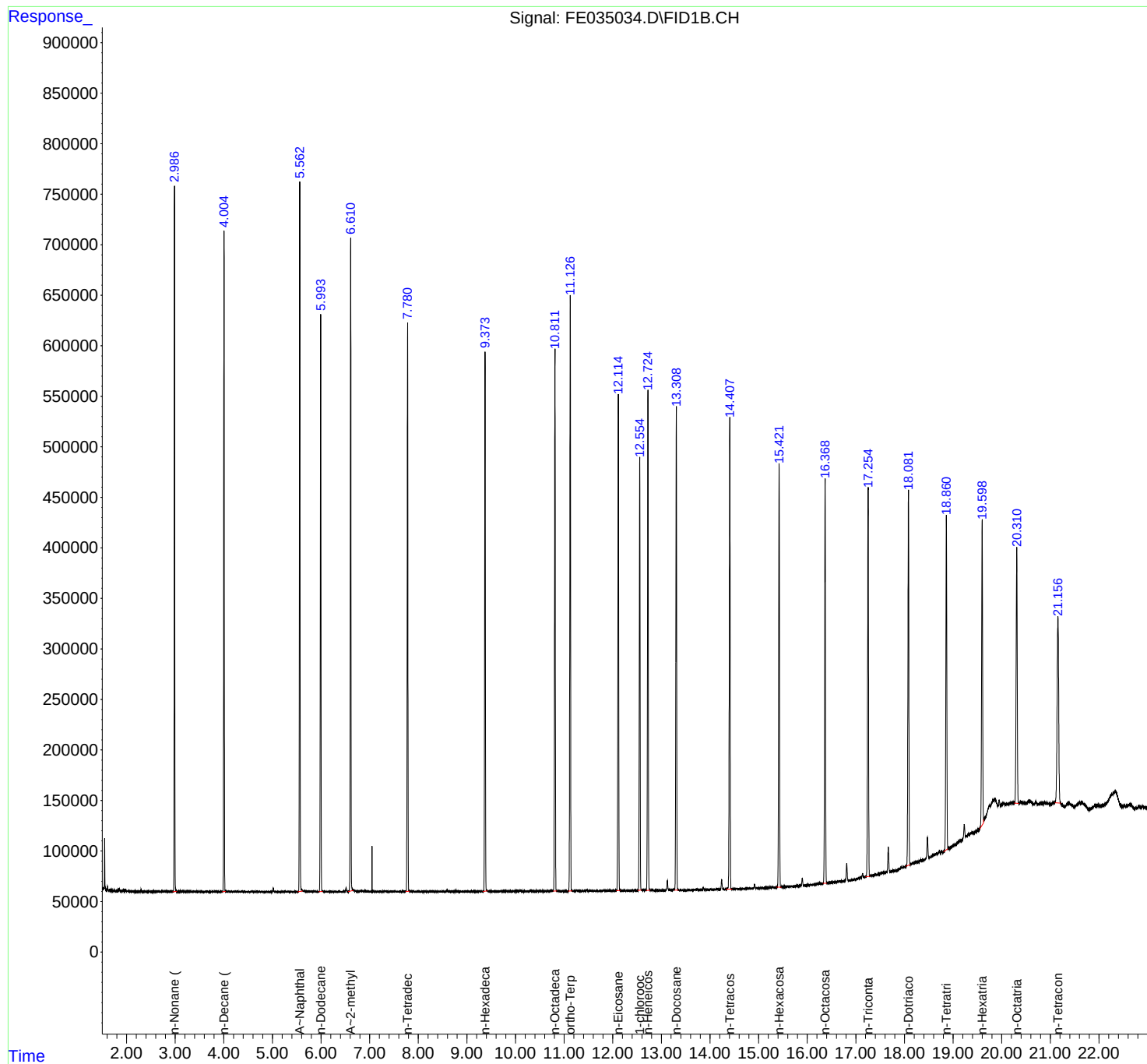
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20 PPM ALIPHATIC HC STD

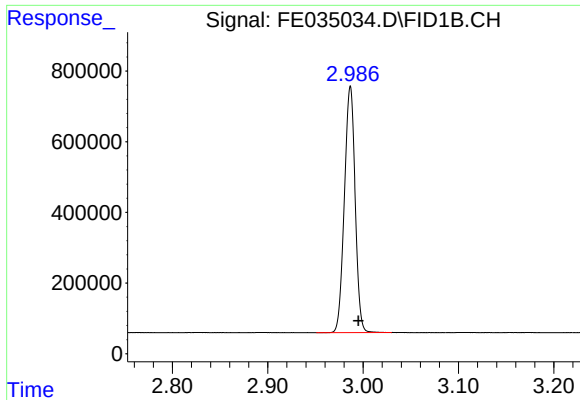
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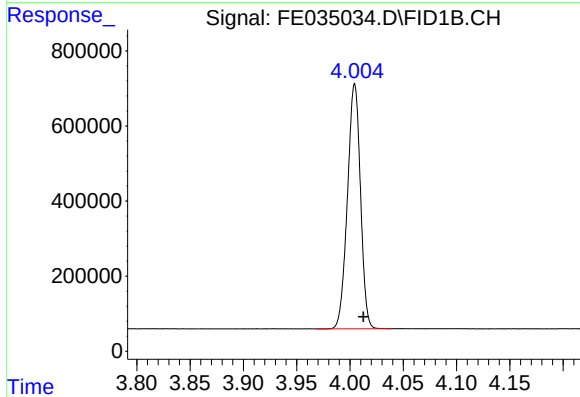
#1 n-Nonane (C9)

R.T.: 2.987 min
Delta R.T.: -0.008 min
Response: 5466105
Conc: 21.55 ug/ml

Instrument :
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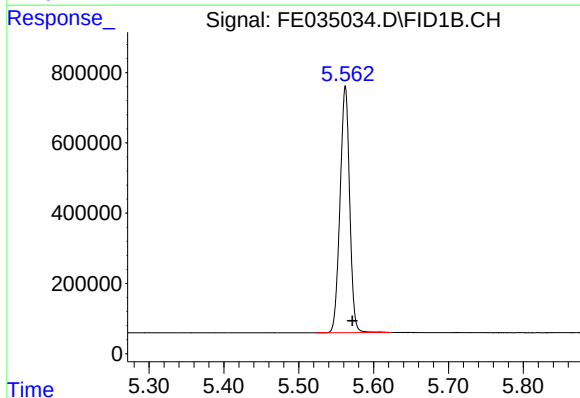
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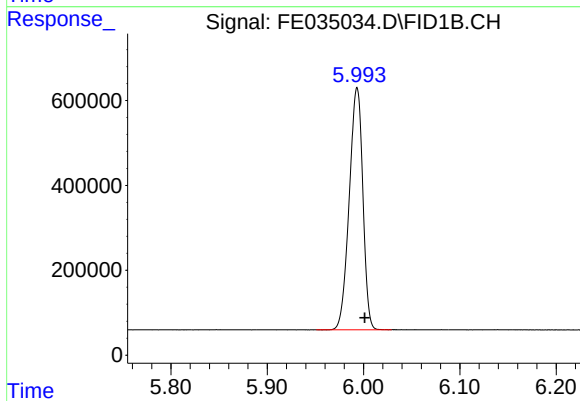
#2 n-Decane (C10)

R.T.: 4.004 min
Delta R.T.: -0.008 min
Response: 5547910
Conc: 21.61 ug/ml



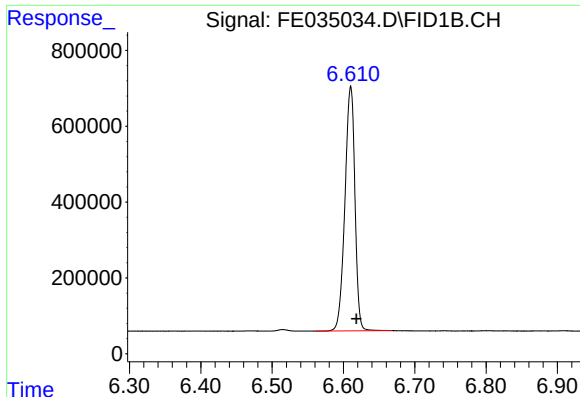
#3 A~Naphthalene (C11.7)

R.T.: 5.562 min
Delta R.T.: -0.009 min
Response: 6251723
Conc: 21.79 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.993 min
Delta R.T.: -0.008 min
Response: 5569757
Conc: 21.65 ug/ml



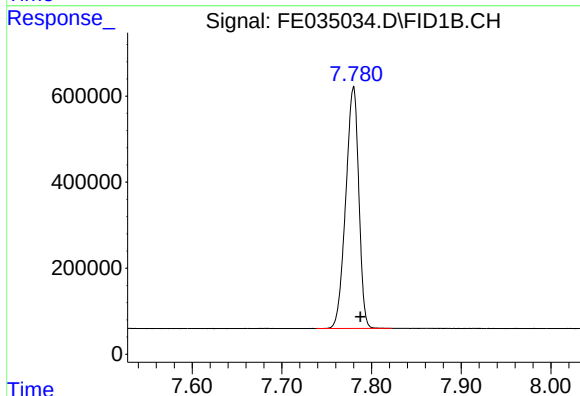
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.610 min
Delta R.T.: -0.008 min
Response: 6280829
Conc: 21.71 ug/ml

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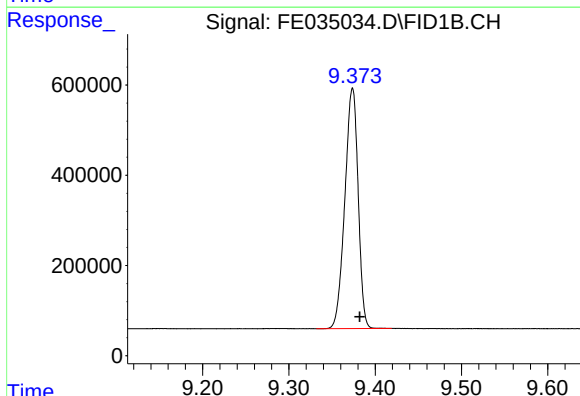
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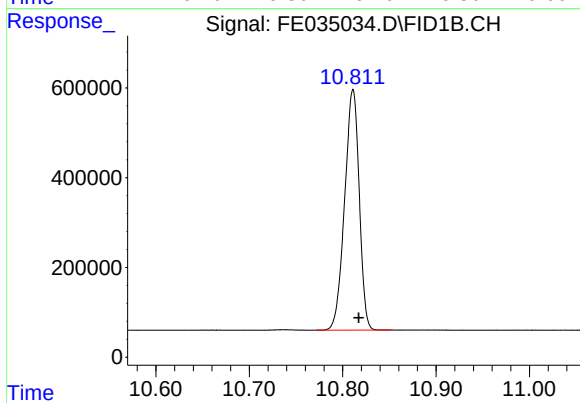
#6 n-Tetradecane (C14)

R.T.: 7.780 min
Delta R.T.: -0.008 min
Response: 5681144
Conc: 21.72 ug/ml



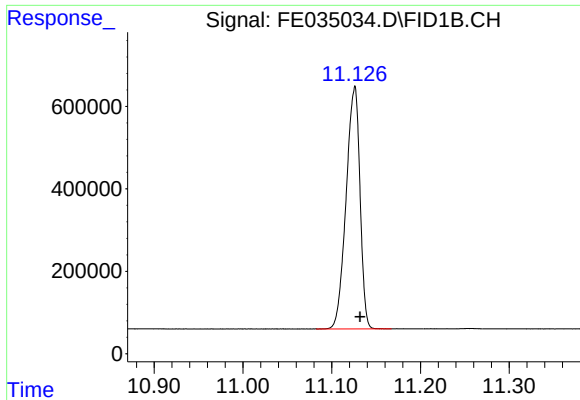
#7 n-Hexadecane (C16)

R.T.: 9.374 min
Delta R.T.: -0.008 min
Response: 5707630
Conc: 21.77 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.811 min
Delta R.T.: -0.006 min
Response: 5821146
Conc: 21.83 ug/ml



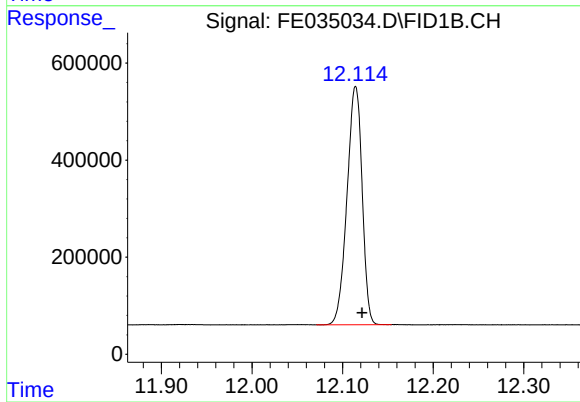
#9 ortho-Terphenyl (SURR)

R.T.: 11.126 min
Delta R.T.: -0.006 min
Response: 6379417
Conc: 21.78 ug/ml

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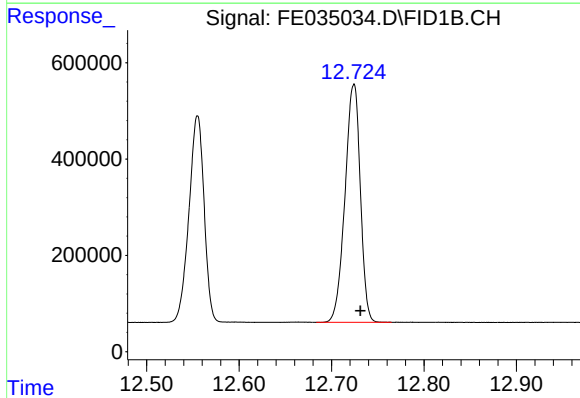
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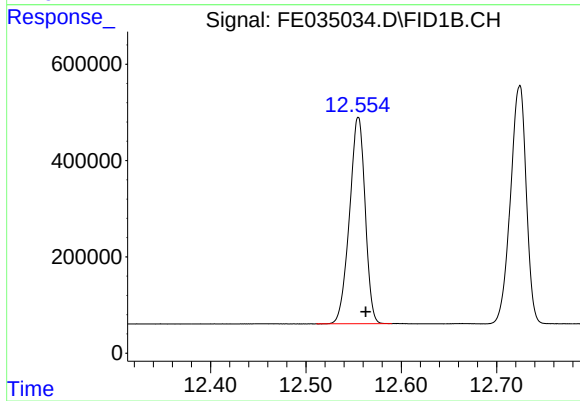
#10 n-Eicosane (C20)

R.T.: 12.114 min
Delta R.T.: -0.007 min
Response: 5692113
Conc: 21.80 ug/ml



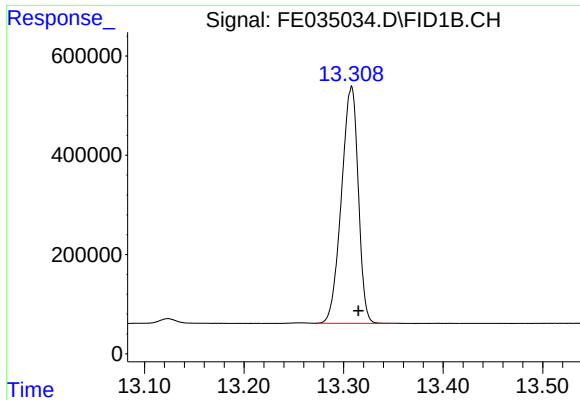
#11 n-Heneicosane (C21)

R.T.: 12.724 min
Delta R.T.: -0.007 min
Response: 5702559
Conc: 21.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.555 min
Delta R.T.: -0.008 min
Response: 4886389
Conc: 21.86 ug/ml



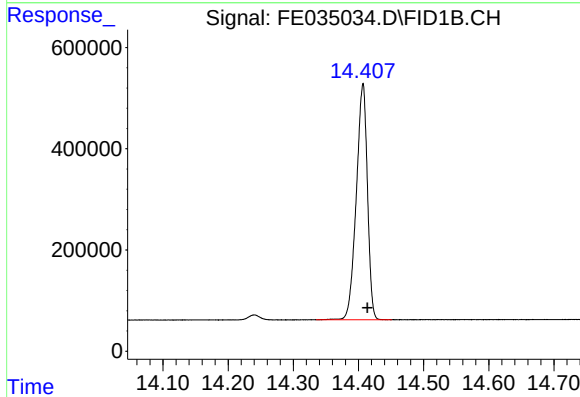
#13 n-Docosane (C22)

R.T.: 13.308 min
Delta R.T.: -0.007 min
Response: 5606888
Conc: 21.75 ug/ml

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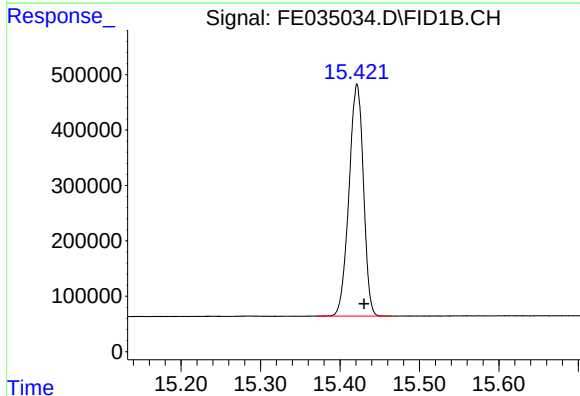
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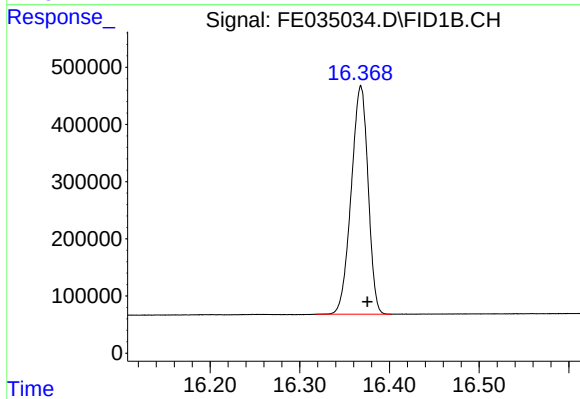
#14 n-Tetracosane (C24)

R.T.: 14.407 min
Delta R.T.: -0.007 min
Response: 5525784
Conc: 21.79 ug/ml



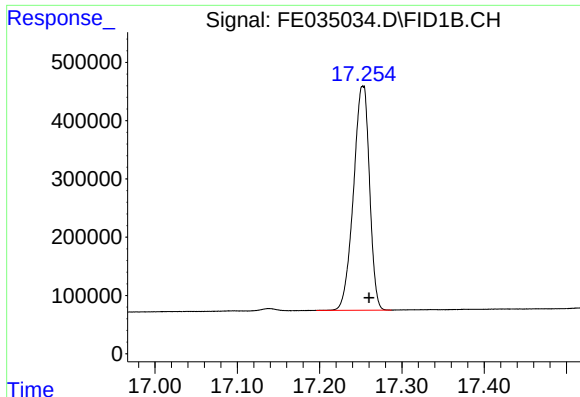
#15 n-Hexacosane (C26)

R.T.: 15.422 min
Delta R.T.: -0.009 min
Response: 5292028
Conc: 21.67 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.368 min
Delta R.T.: -0.007 min
Response: 5220521
Conc: 21.94 ug/ml



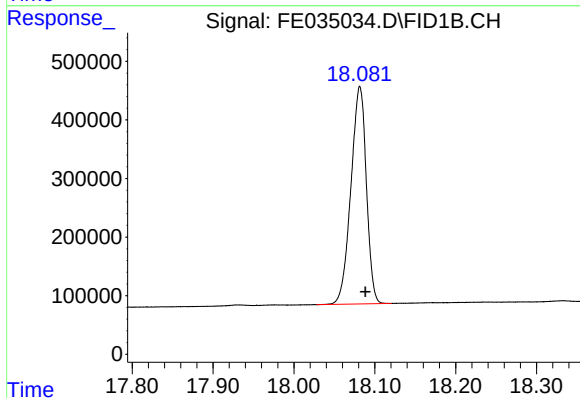
#17 n-Tricontane (C30)

R.T.: 17.253 min
Delta R.T.: -0.007 min
Response: 5204800
Conc: 22.63 ug/ml

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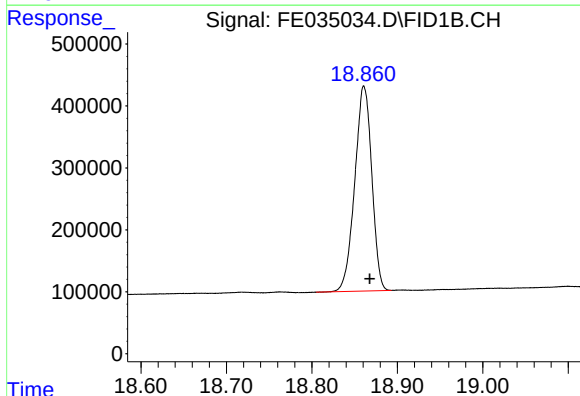
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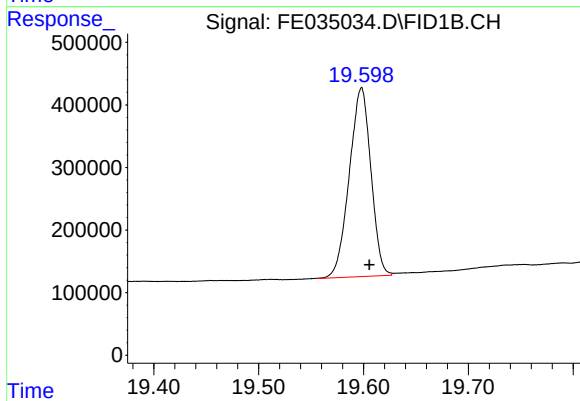
#18 n-Dotriacontane (C32)

R.T.: 18.082 min
Delta R.T.: -0.007 min
Response: 4924440
Conc: 23.04 ug/ml



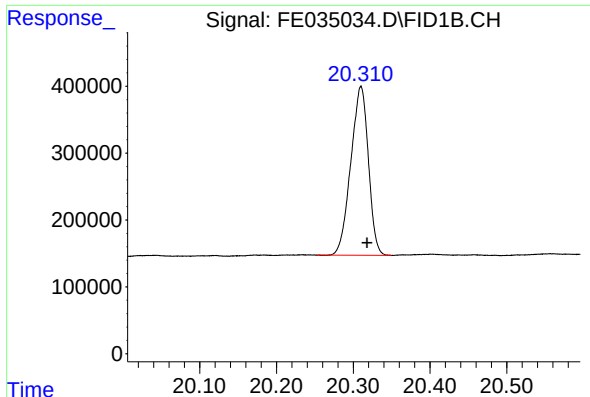
#19 n-Tetratriacontane (C34)

R.T.: 18.861 min
Delta R.T.: -0.007 min
Response: 4579953
Conc: 22.72 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.598 min
Delta R.T.: -0.007 min
Response: 4323897
Conc: 22.86 ug/ml m



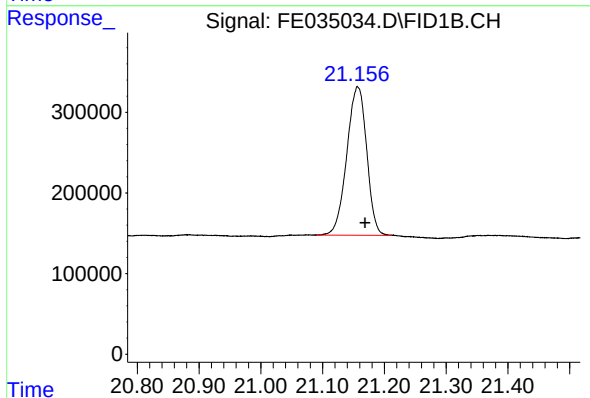
#21 n-Octatriacontane (C38)

R.T.: 20.310 min
Delta R.T.: -0.008 min
Response: 4022839
Conc: 22.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.156 min
Delta R.T.: -0.013 min
Response: 4114786
Conc: 22.46 ug/ml m