

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE083024AL\
 Data File : FE049834.D
 Signal(s) : FID1B.ch
 Acq On : 29 Aug 2024 23:58
 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 09/03/2024
 Supervised By :Ankita Jodhani 09/03/2024

Integration File: autoint1.e
 Quant Time: Aug 31 01:31:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 14 11:05:17 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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)	11.879	3000308	18.553 ug/ml
Spiked Amount 50.000		Recovery =	37.11%
12) S 1-chlorooctadecane (S...	13.314	2300159	18.853 ug/ml
Spiked Amount 50.000		Recovery =	37.71%
Target Compounds			
1) T n-Nonane (C9)	3.270	2575346	16.642 ug/ml
2) T n-Decane (C10)	4.520	2788264	17.659 ug/mlm
3) T A~Naphthalene (C11.7)	6.228	2841705	17.710 ug/ml
4) T n-Dodecane (C12)	6.687	2853930	18.154 ug/ml
5) T A~2-methylnaphthalene...	7.323	2730901	18.236 ug/ml
6) T n-Tetradecane (C14)	8.514	2812476	18.218 ug/ml
7) T n-Hexadecane (C16)	10.120	2901658	18.579 ug/ml
8) T n-Octadecane (C18)	11.561	2927645	18.641 ug/ml
10) T n-Eicosane (C20)	12.868	2797228	18.735 ug/ml
11) T n-Heneicosane (C21)	13.481	2751922	18.759 ug/ml
13) T n-Docosane (C22)	14.066	2718607	18.652 ug/ml
14) T n-Tetracosane (C24)	15.167	2755957	18.946 ug/ml
15) T n-Hexacosane (C26)	16.186	2723336	18.869 ug/ml
16) T n-Octacosane (C28)	17.135	2858584	19.846 ug/ml
17) T n-Tricontane (C30)	18.021	3224264	21.538 ug/ml
18) T n-Dotriacontane (C32)	18.853	3401283	22.483 ug/ml
19) T n-Tetratriacontane (C34)	19.636	3356795	21.957 ug/ml
20) T n-Hexatriacontane (C36)	20.375	3225249	21.239 ug/ml
21) T n-Octatriacontane (C38)	21.101	3017943	19.228 ug/ml
22) T n-Tetracontane (C40)	21.993	2834291	18.564 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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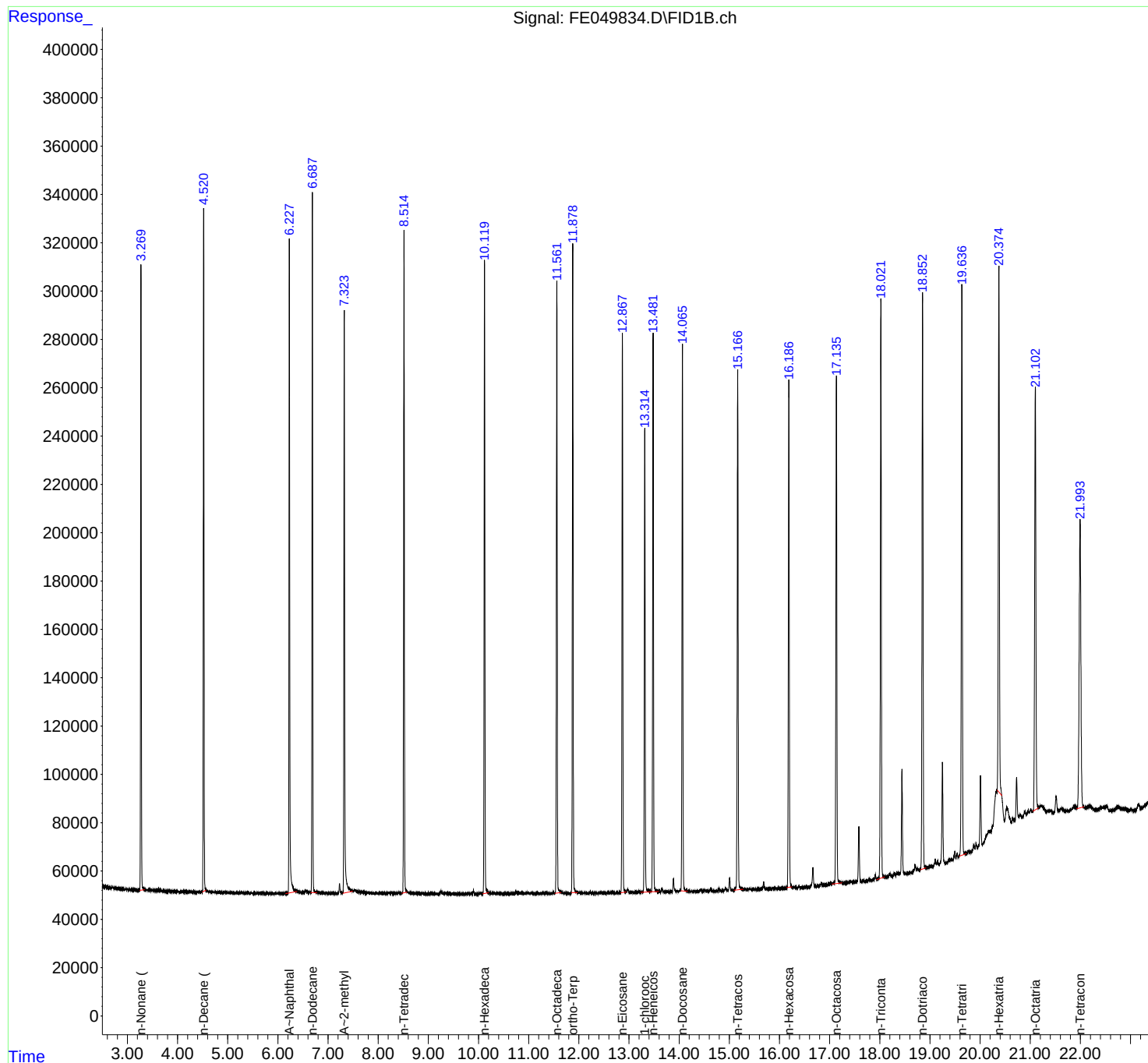
Instrument :
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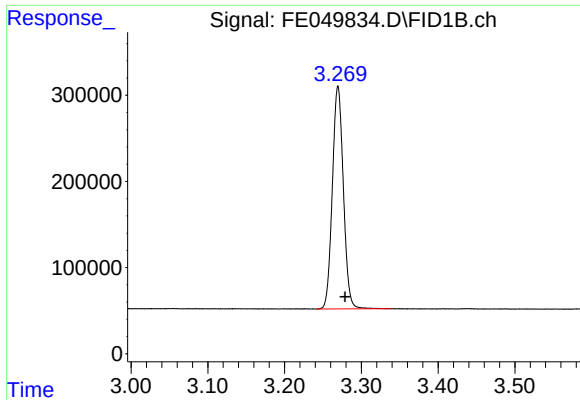
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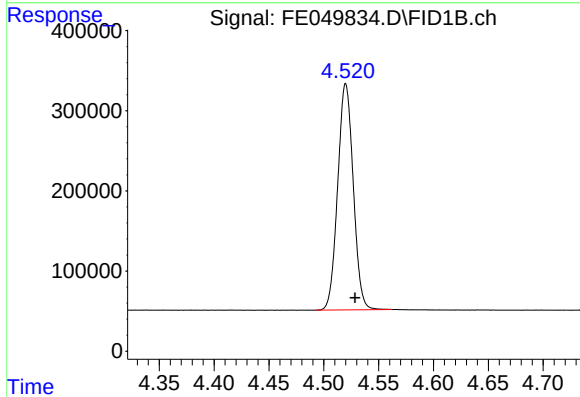
#1 n-Nonane (C9)

R.T.: 3.270 min
Delta R.T.: -0.009 min
Response: 2575346
Conc: 16.64 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

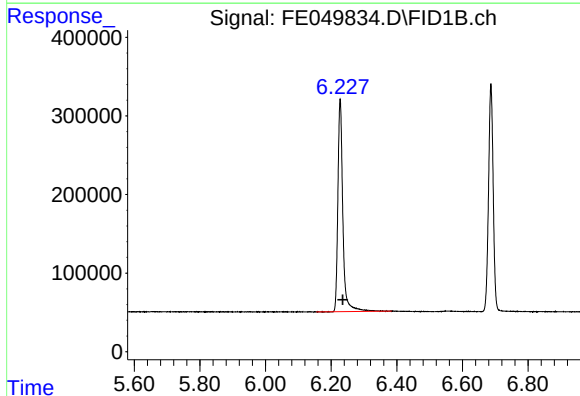
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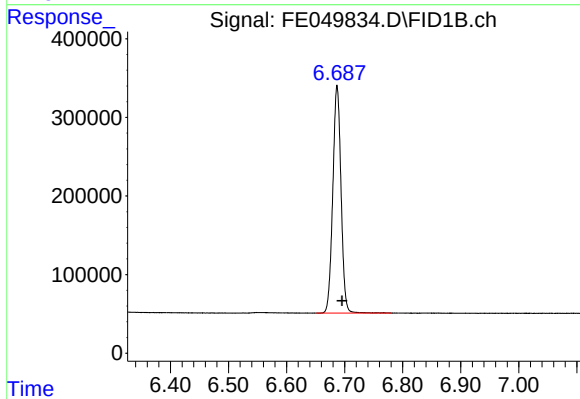
#2 n-Decane (C10)

R.T.: 4.520 min
Delta R.T.: -0.009 min
Response: 2788264
Conc: 17.66 ug/ml m



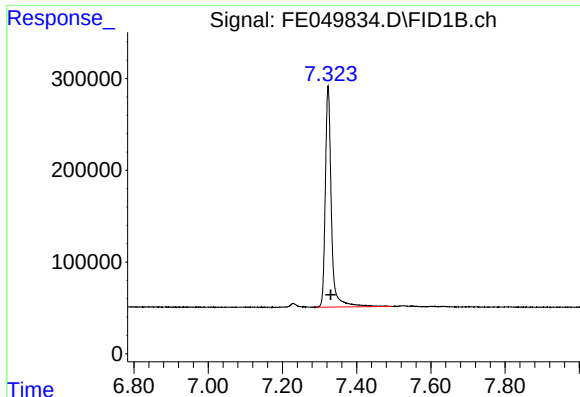
#3 A~Naphthalene (C11.7)

R.T.: 6.228 min
Delta R.T.: -0.007 min
Response: 2841705
Conc: 17.71 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.687 min
Delta R.T.: -0.009 min
Response: 2853930
Conc: 18.15 ug/ml



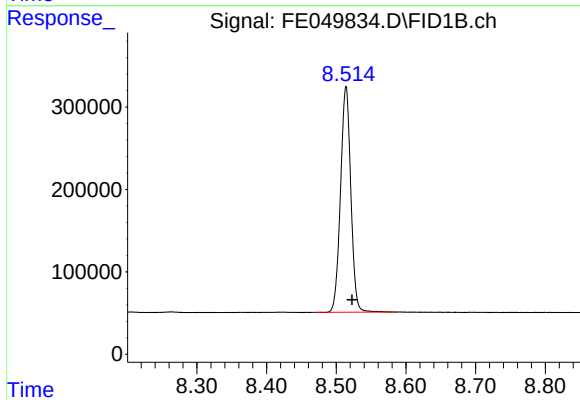
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.323 min
Delta R.T.: -0.007 min
Response: 2730901
Conc: 18.24 ug/ml

Instrument :
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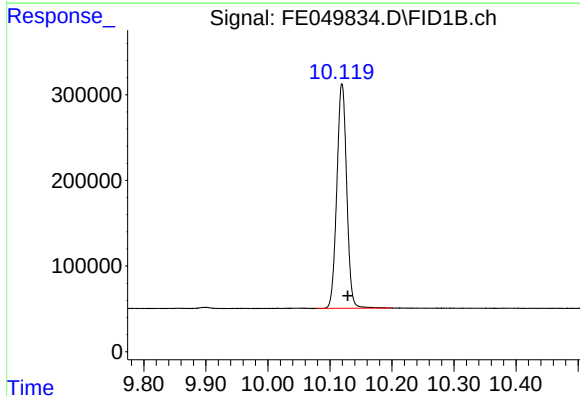
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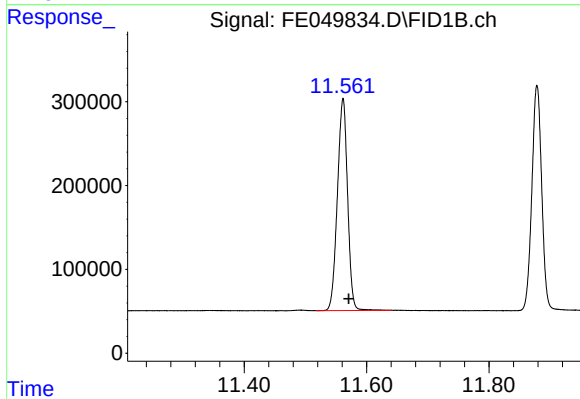
#6 n-Tetradecane (C14)

R.T.: 8.514 min
Delta R.T.: -0.009 min
Response: 2812476
Conc: 18.22 ug/ml



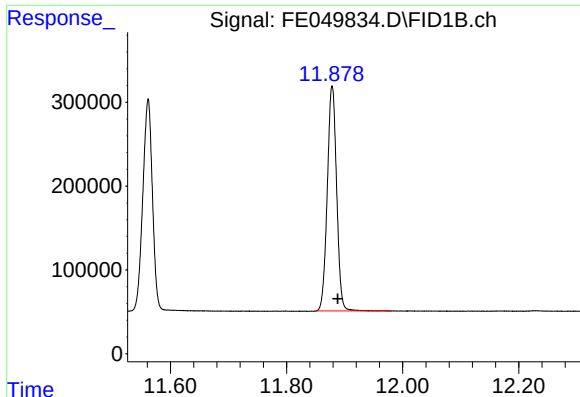
#7 n-Hexadecane (C16)

R.T.: 10.120 min
Delta R.T.: -0.009 min
Response: 2901658
Conc: 18.58 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.561 min
Delta R.T.: -0.009 min
Response: 2927645
Conc: 18.64 ug/ml



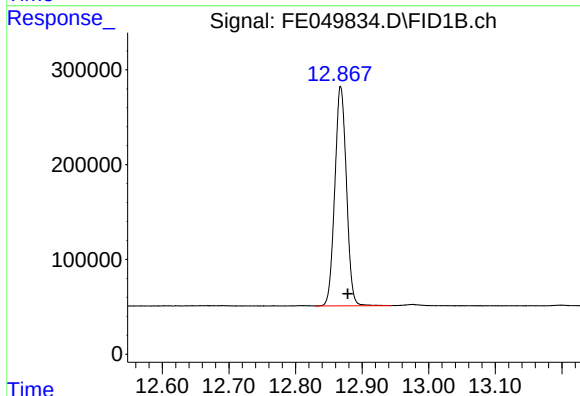
#9 ortho-Terphenyl (SURR)

R.T.: 11.879 min
Delta R.T.: -0.010 min
Response: 3000308
Conc: 18.55 ug/ml

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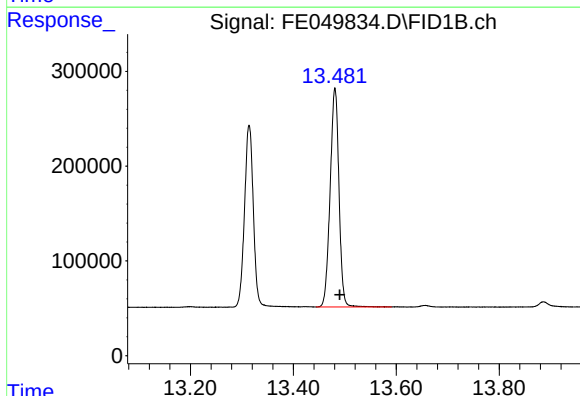
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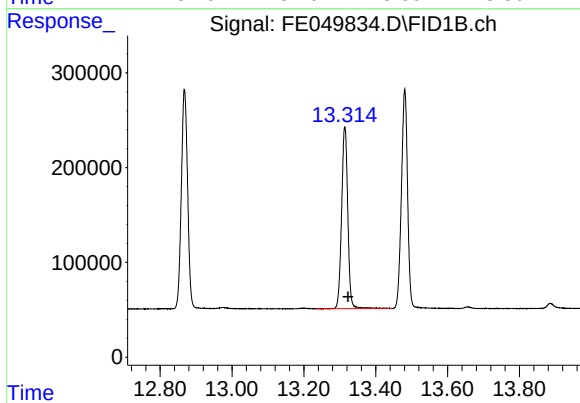
#10 n-Eicosane (C20)

R.T.: 12.868 min
Delta R.T.: -0.011 min
Response: 2797228
Conc: 18.73 ug/ml



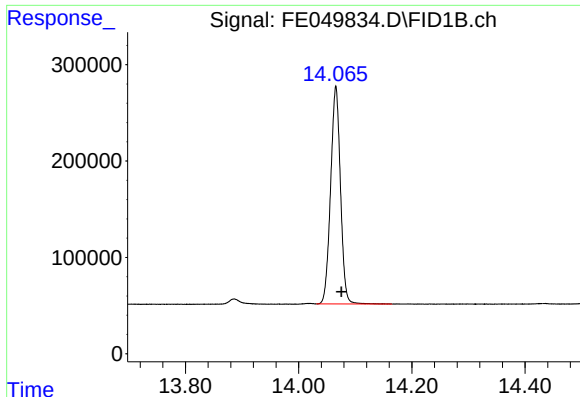
#11 n-Heneicosane (C21)

R.T.: 13.481 min
Delta R.T.: -0.009 min
Response: 2751922
Conc: 18.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.314 min
Delta R.T.: -0.009 min
Response: 2300159
Conc: 18.85 ug/ml



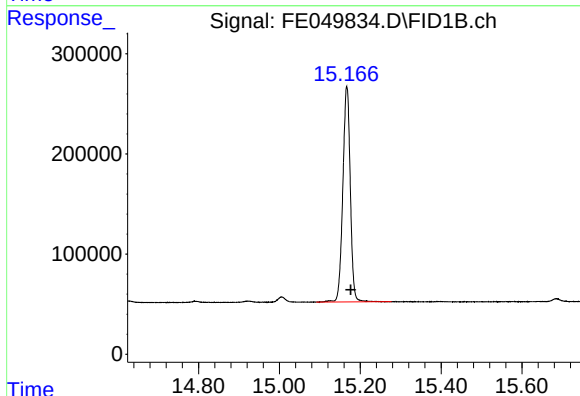
#13 n-Docosane (C22)

R.T.: 14.066 min
Delta R.T.: -0.009 min
Response: 2718607
Conc: 18.65 ug/ml

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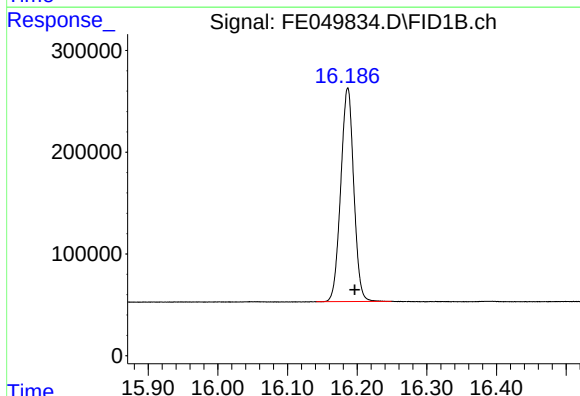
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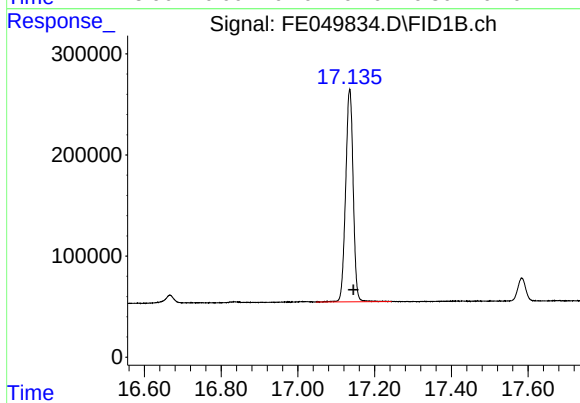
#14 n-Tetracosane (C24)

R.T.: 15.167 min
Delta R.T.: -0.010 min
Response: 2755957
Conc: 18.95 ug/ml



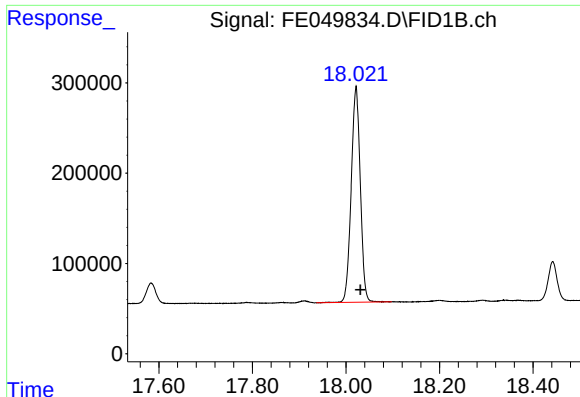
#15 n-Hexacosane (C26)

R.T.: 16.186 min
Delta R.T.: -0.010 min
Response: 2723336
Conc: 18.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.135 min
Delta R.T.: -0.010 min
Response: 2858584
Conc: 19.85 ug/ml



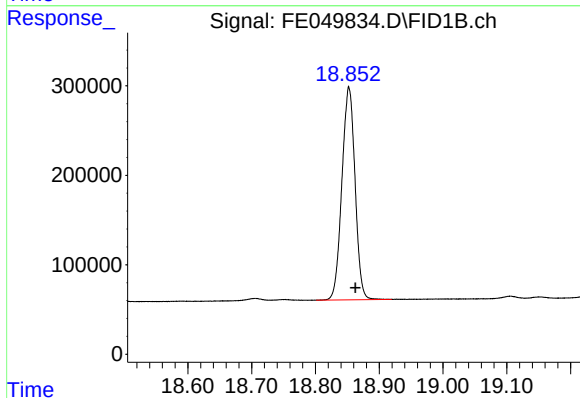
#17 n-Tricontane (C30)

R.T.: 18.021 min
Delta R.T.: -0.010 min
Response: 3224264
Conc: 21.54 ug/ml

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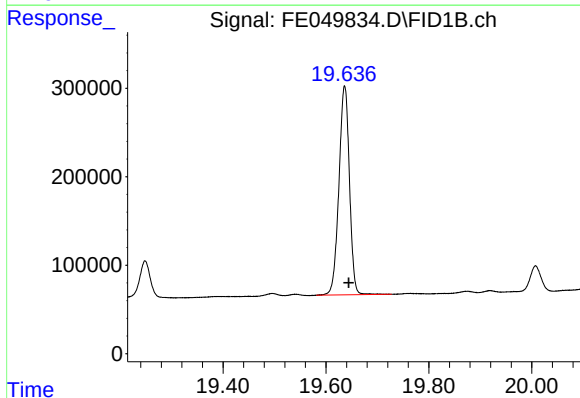
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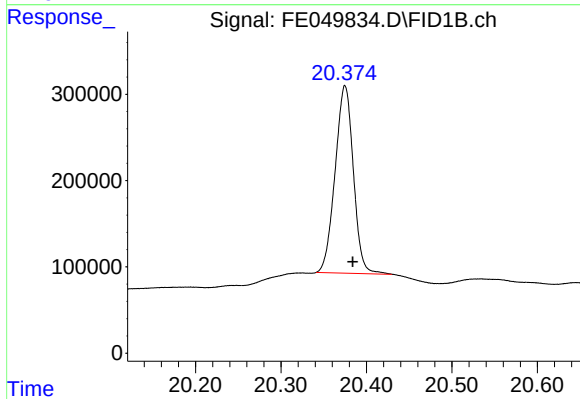
#18 n-Dotriacontane (C32)

R.T.: 18.853 min
Delta R.T.: -0.010 min
Response: 3401283
Conc: 22.48 ug/ml



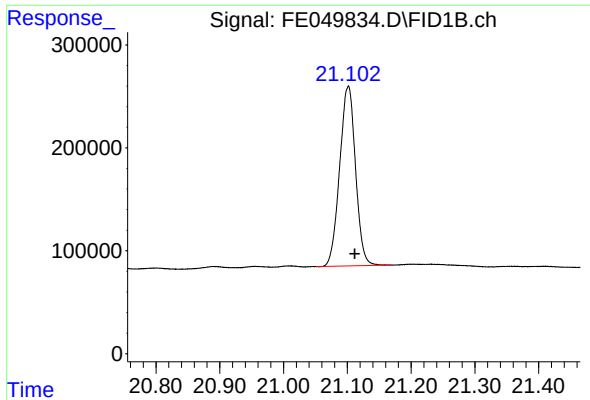
#19 n-Tetratriacontane (C34)

R.T.: 19.636 min
Delta R.T.: -0.008 min
Response: 3356795
Conc: 21.96 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.375 min
Delta R.T.: -0.009 min
Response: 3225249
Conc: 21.24 ug/ml



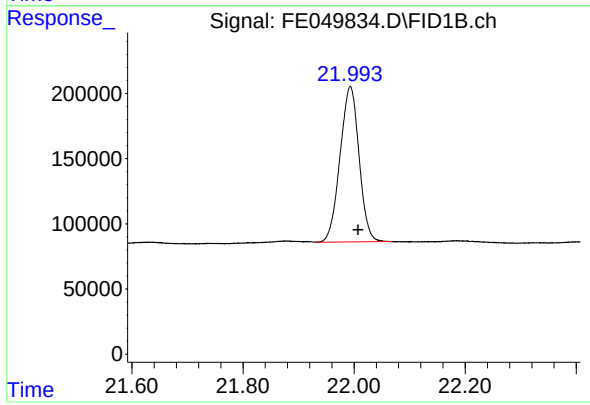
#21 n-Octatriacontane (C38)

R.T.: 21.101 min
Delta R.T.: -0.010 min
Response: 3017943
Conc: 19.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.993 min
Delta R.T.: -0.014 min
Response: 2834291
Conc: 18.56 ug/ml m