

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121624AL\
 Data File : FE051663.D
 Signal(s) : FID1B.ch
 Acq On : 16 Dec 2024 12:40
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Integration File: autoint1.e
 Quant Time: Dec 17 00:23:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121224.M
 Quant Title : GC Extractables
 QLast Update : Thu Dec 12 15:49:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

12/17/2024
 Supervised By :Ankita
 Jodhani

Compound	R.T.	Response	Conc Units
-----12/17/2024			
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.011	3333261	21.562 ug/ml
Spiked Amount 50.000		Recovery =	43.12%
12) S 1-chlorooctadecane (S...	13.432	2601841	20.961 ug/ml
Spiked Amount 50.000		Recovery =	41.92%
Target Compounds			
1) T n-Nonane (C9)	3.487	2396122	20.597 ug/ml
2) T n-Decane (C10)	4.718	2546323	21.321 ug/ml
3) T A~Naphthalene (C11.7)	6.405	2905125	21.556 ug/ml
4) T n-Dodecane (C12)	6.853	2676673	21.789 ug/ml
5) T A~2-methylnaphthalene...	7.487	2905678	21.915 ug/ml
6) T n-Tetradecane (C14)	8.664	2768366	22.062 ug/ml
7) T n-Hexadecane (C16)	10.257	2954352	21.981 ug/ml
8) T n-Octadecane (C18)	11.689	3060709	21.673 ug/ml
10) T n-Eicosane (C20)	12.990	2991095	21.214 ug/ml
11) T n-Heneicosane (C21)	13.598	2959828	20.847 ug/ml
13) T n-Docosane (C22)	14.179	2952994	20.752 ug/ml
14) T n-Tetracosane (C24)	15.274	2943491	20.146 ug/ml
15) T n-Hexacosane (C26)	16.287	2864947	19.687 ug/ml
16) T n-Octacosane (C28)	17.229	2832270	19.401 ug/ml
17) T n-Tricontane (C30)	18.110	2967098	19.460 ug/ml
18) T n-Dotriacontane (C32)	18.935	3154493	21.047 ug/ml
19) T n-Tetratriacontane (C34)	19.712	2620474	19.964 ug/ml
20) T n-Hexatriacontane (C36)	20.444	2305322	19.879 ug/mlm
21) T n-Octatriacontane (C38)	21.181	2079727	20.198 ug/ml
22) T n-Tetracontane (C40)	22.104	2306494	23.033 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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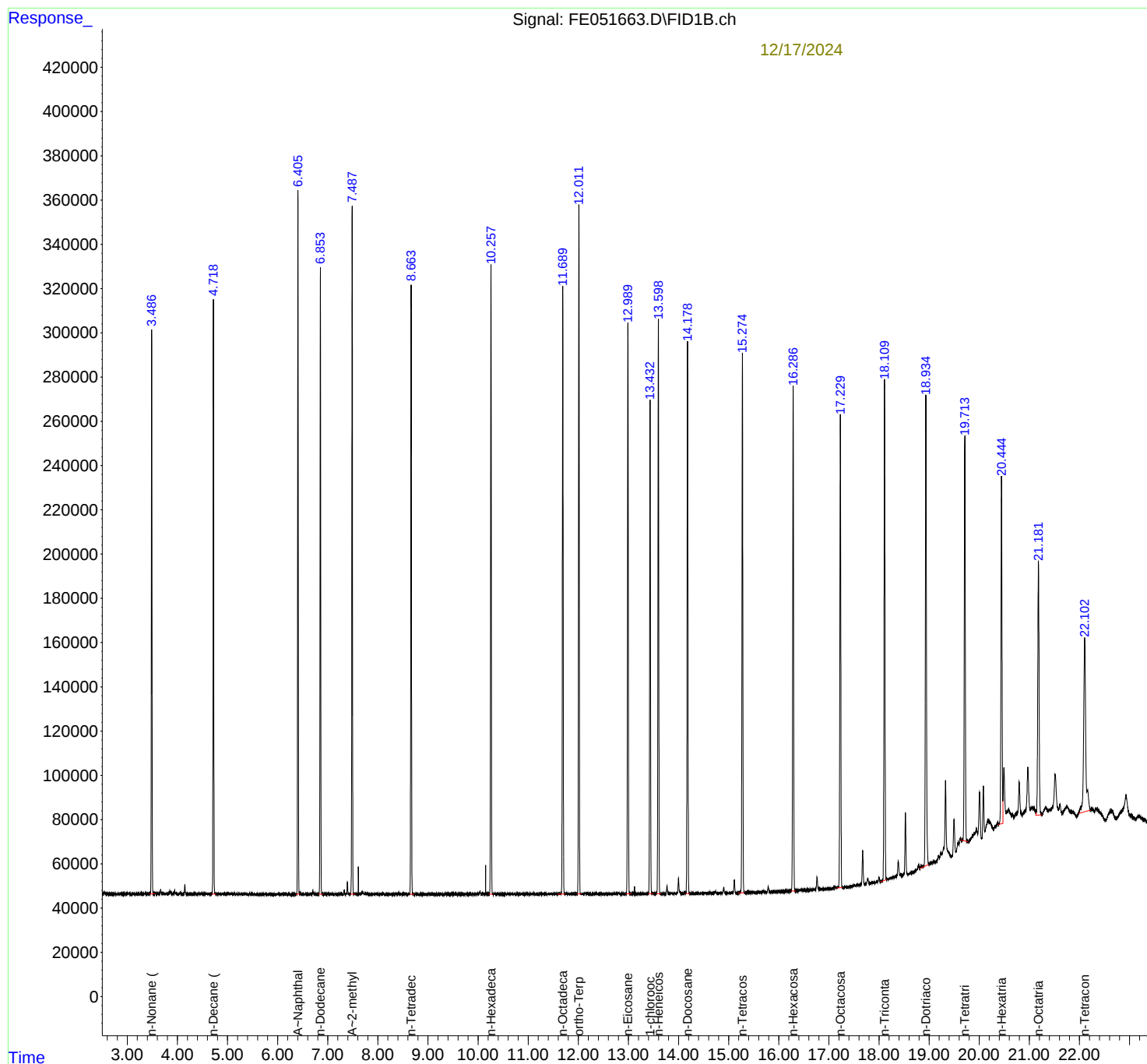
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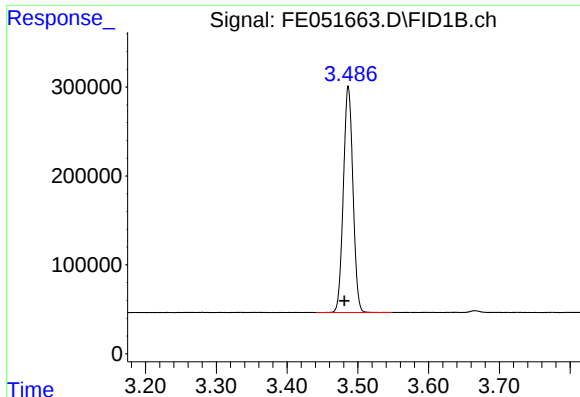
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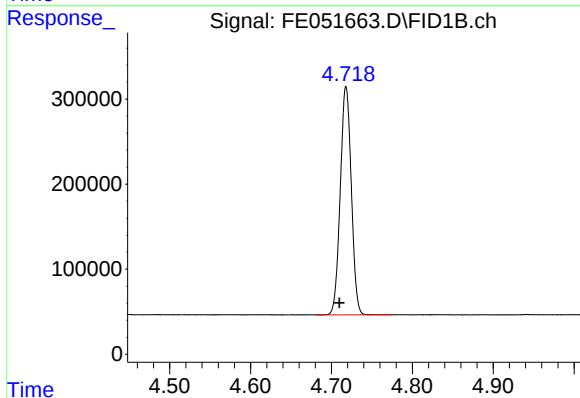
#1 n-Nonane (C9)

R.T.: 3.487 min
Delta R.T.: 0.006 min
Response: 2396122
Conc: 20.60 ug/ml

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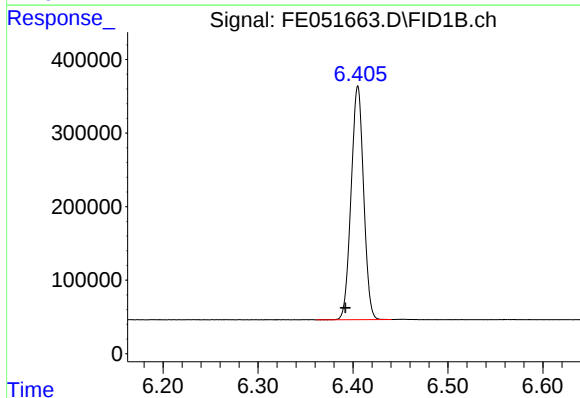


#2 n-Decane (C10)

R.T.: 4.718 min
Delta R.T.: 0.008 min
Response: 2546323
Conc: 21.32 ug/ml

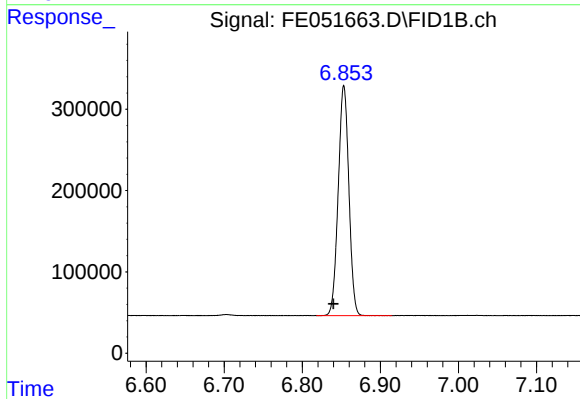
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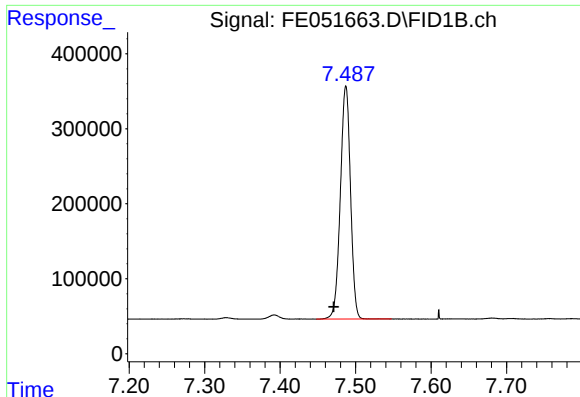
#3 A~Naphthalene (C11.7)

R.T.: 6.405 min
Delta R.T.: 0.013 min
Response: 2905125
Conc: 21.56 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.853 min
Delta R.T.: 0.014 min
Response: 2676673
Conc: 21.79 ug/ml



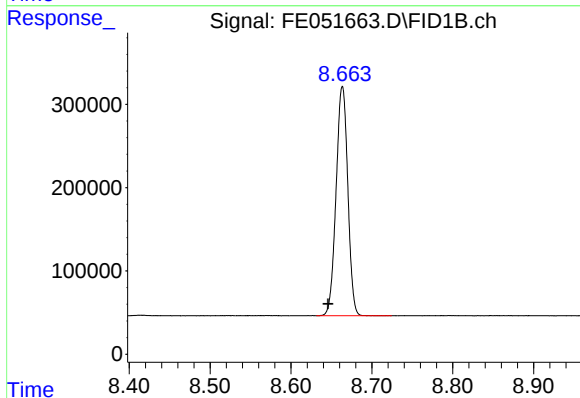
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.487 min
Delta R.T.: 0.016 min
Response: 2905678
Conc: 21.92 ug/ml

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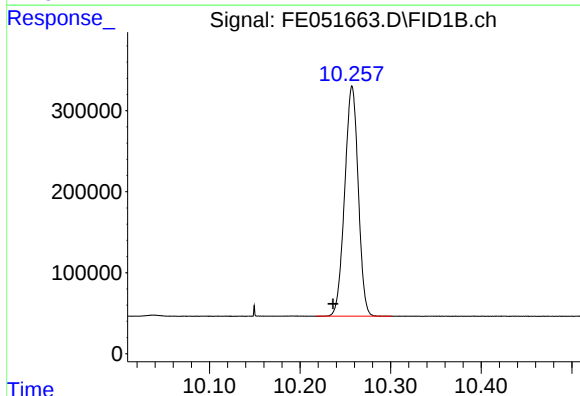


#6 n-Tetradecane (C14)

R.T.: 8.664 min
Delta R.T.: 0.018 min
Response: 2768366
Conc: 22.06 ug/ml

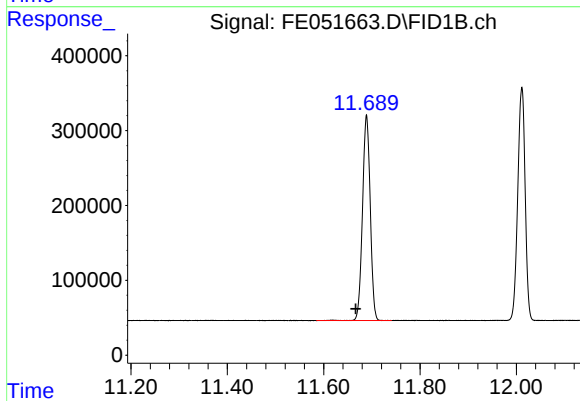
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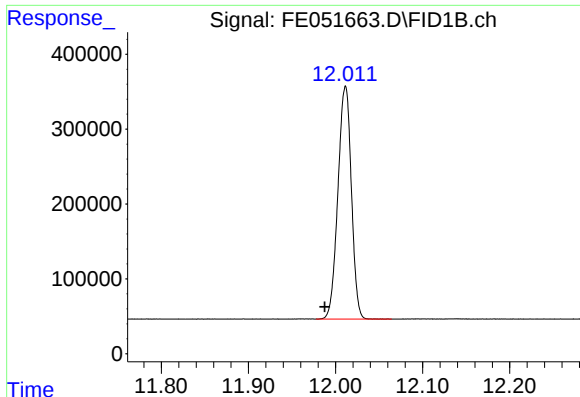
#7 n-Hexadecane (C16)

R.T.: 10.257 min
Delta R.T.: 0.021 min
Response: 2954352
Conc: 21.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.689 min
Delta R.T.: 0.023 min
Response: 3060709
Conc: 21.67 ug/ml



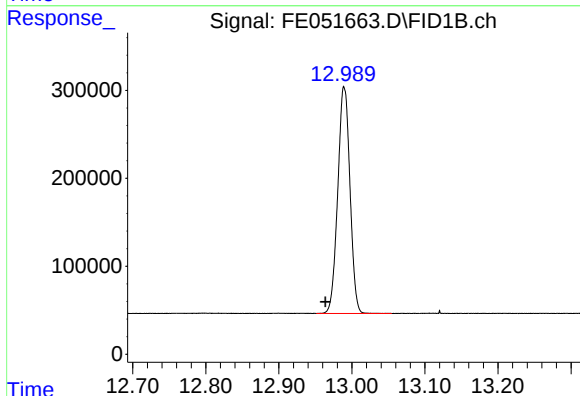
#9 ortho-Terphenyl (SURR)

R.T.: 12.011 min
Delta R.T.: 0.024 min
Response: 3333261
Conc: 21.56 ug/ml

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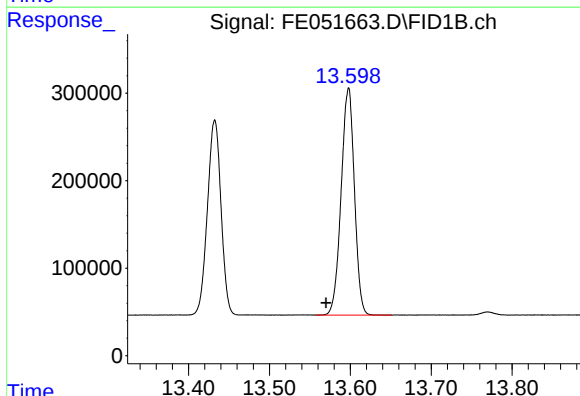


#10 n-Eicosane (C20)

R.T.: 12.990 min
Delta R.T.: 0.025 min
Response: 2991095
Conc: 21.21 ug/ml

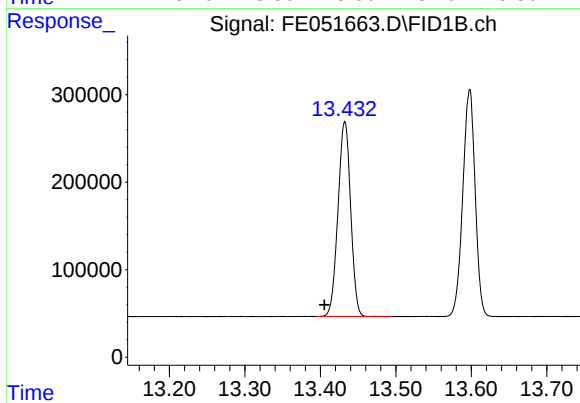
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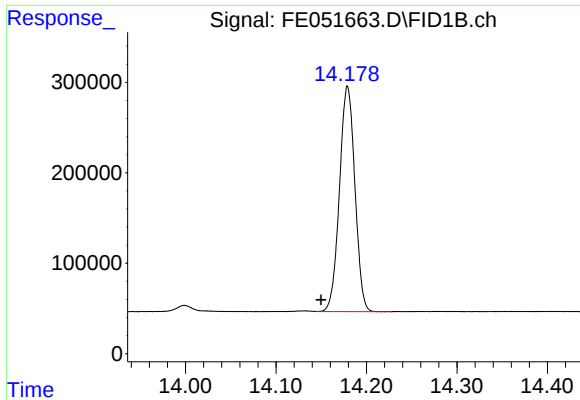
#11 n-Heneicosane (C21)

R.T.: 13.598 min
Delta R.T.: 0.028 min
Response: 2959828
Conc: 20.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.432 min
Delta R.T.: 0.027 min
Response: 2601841
Conc: 20.96 ug/ml



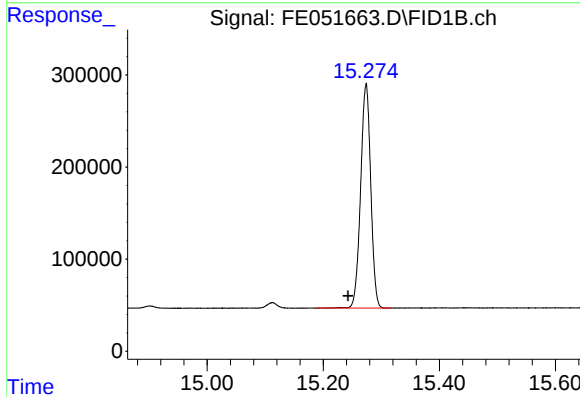
#13 n-Docosane (C22)

R.T.: 14.179 min
Delta R.T.: 0.029 min
Response: 2952994
Conc: 20.75 ug/ml

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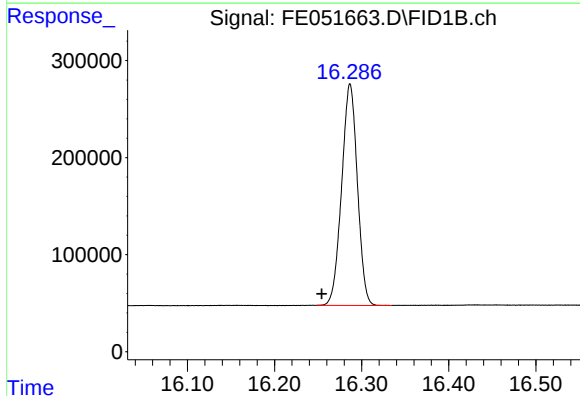


#14 n-Tetracosane (C24)

R.T.: 15.274 min
Delta R.T.: 0.031 min
Response: 2943491
Conc: 20.15 ug/ml

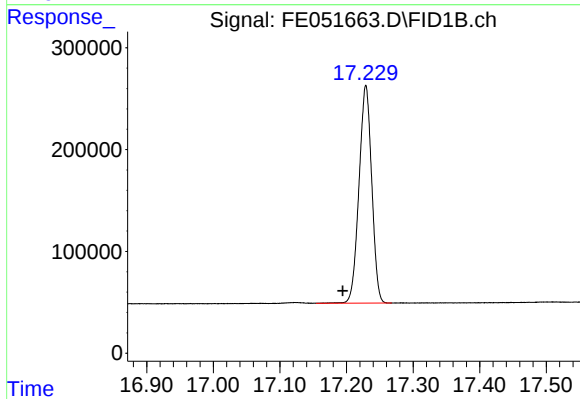
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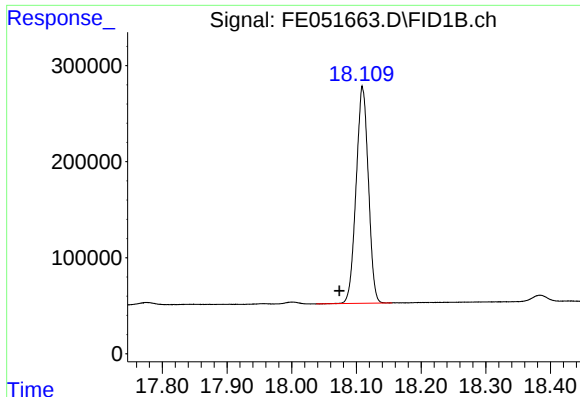
#15 n-Hexacosane (C26)

R.T.: 16.287 min
Delta R.T.: 0.032 min
Response: 2864947
Conc: 19.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.229 min
Delta R.T.: 0.035 min
Response: 2832270
Conc: 19.40 ug/ml



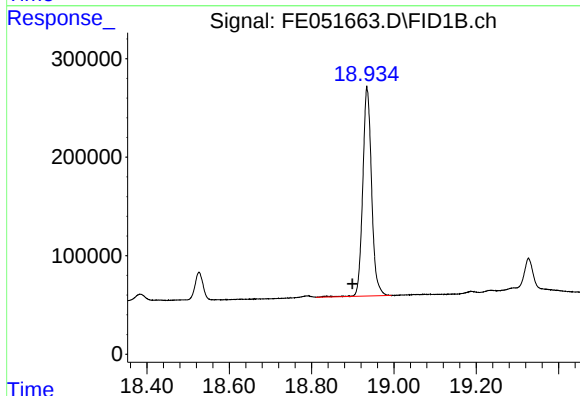
#17 n-Tricontane (C30)

R.T.: 18.110 min
Delta R.T.: 0.036 min
Response: 2967098
Conc: 19.46 ug/ml

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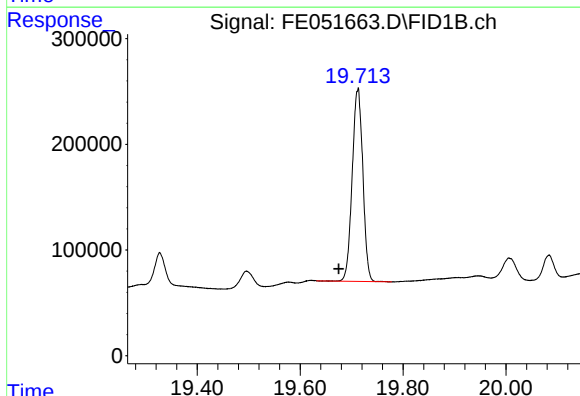


#18 n-Dotriacontane (C32)

R.T.: 18.935 min
Delta R.T.: 0.036 min
Response: 3154493
Conc: 21.05 ug/ml

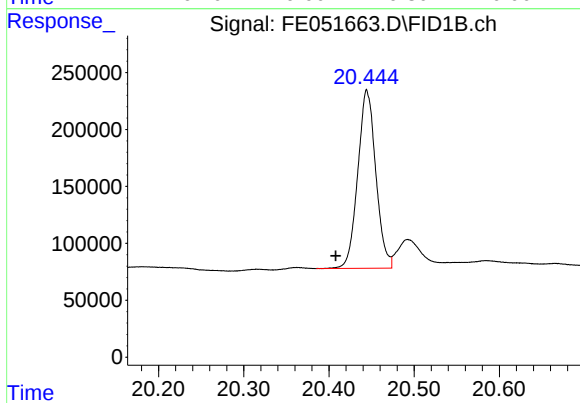
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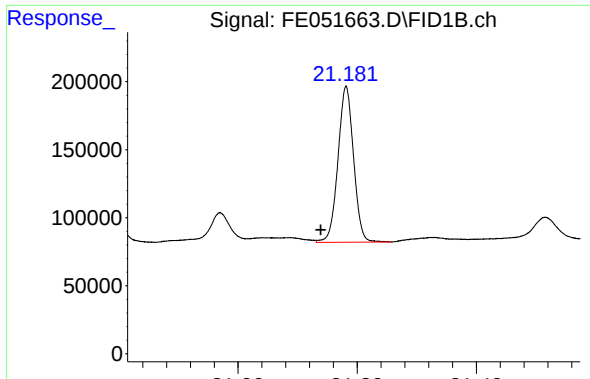
#19 n-Tetratriacontane (C34)

R.T.: 19.712 min
Delta R.T.: 0.037 min
Response: 2620474
Conc: 19.96 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.444 min
Delta R.T.: 0.036 min
Response: 2305322
Conc: 19.88 ug/ml m



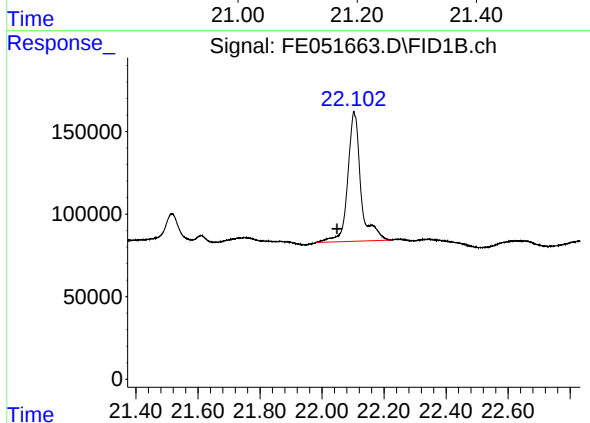
#21 n-Octatriacontane (C38)

R.T.: 21.181 min
Delta R.T.: 0.043 min
Response: 2079727
Conc: 20.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.104 min
Delta R.T.: 0.055 min
Response: 2306494
Conc: 23.03 ug/ml

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