

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE083124AL\
 Data File : FE049846.D
 Signal(s) : FID1B.ch
 Acq On : 30 Aug 2024 13:08
 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 09/03/2024
 Supervised By :Ankita Jodhani 09/03/2024

Integration File: autoint1.e
 Quant Time: Aug 31 04:13:59 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)	11.878	2703560	16.718 ug/ml
Spiked Amount 50.000		Recovery =	33.44%
12) S 1-chlorooctadecane (S...	13.313	2064747	16.923 ug/ml
Spiked Amount 50.000		Recovery =	33.85%
Target Compounds			
1) T n-Nonane (C9)	3.269	2530305	16.351 ug/ml
2) T n-Decane (C10)	4.519	2576346	16.317 ug/mlm
3) T A~Naphthalene (C11.7)	6.227	2639671	16.451 ug/ml
4) T n-Dodecane (C12)	6.686	2592867	16.493 ug/ml
5) T A~2-methylnaphthalene...	7.322	2478493	16.550 ug/ml
6) T n-Tetradecane (C14)	8.513	2544650	16.483 ug/ml
7) T n-Hexadecane (C16)	10.119	2610085	16.712 ug/ml
8) T n-Octadecane (C18)	11.561	2641573	16.820 ug/ml
10) T n-Eicosane (C20)	12.868	2530901	16.951 ug/ml
11) T n-Heneicosane (C21)	13.479	2490854	16.980 ug/ml
13) T n-Docosane (C22)	14.065	2443457	16.764 ug/ml
14) T n-Tetracosane (C24)	15.165	2550224	17.531 ug/ml
15) T n-Hexacosane (C26)	16.186	2532564	17.548 ug/ml
16) T n-Octacosane (C28)	17.133	2610314	18.122 ug/ml
17) T n-Tricontane (C30)	18.019	2828756	18.896 ug/ml
18) T n-Dotriacontane (C32)	18.851	2889070	19.097 ug/ml
19) T n-Tetratriacontane (C34)	19.633	2831913	18.524 ug/ml
20) T n-Hexatriacontane (C36)	20.373	2651885	17.464 ug/ml
21) T n-Octatriacontane (C38)	21.099	2584823	16.469 ug/ml
22) T n-Tetracontane (C40)	21.990	2562696	16.785 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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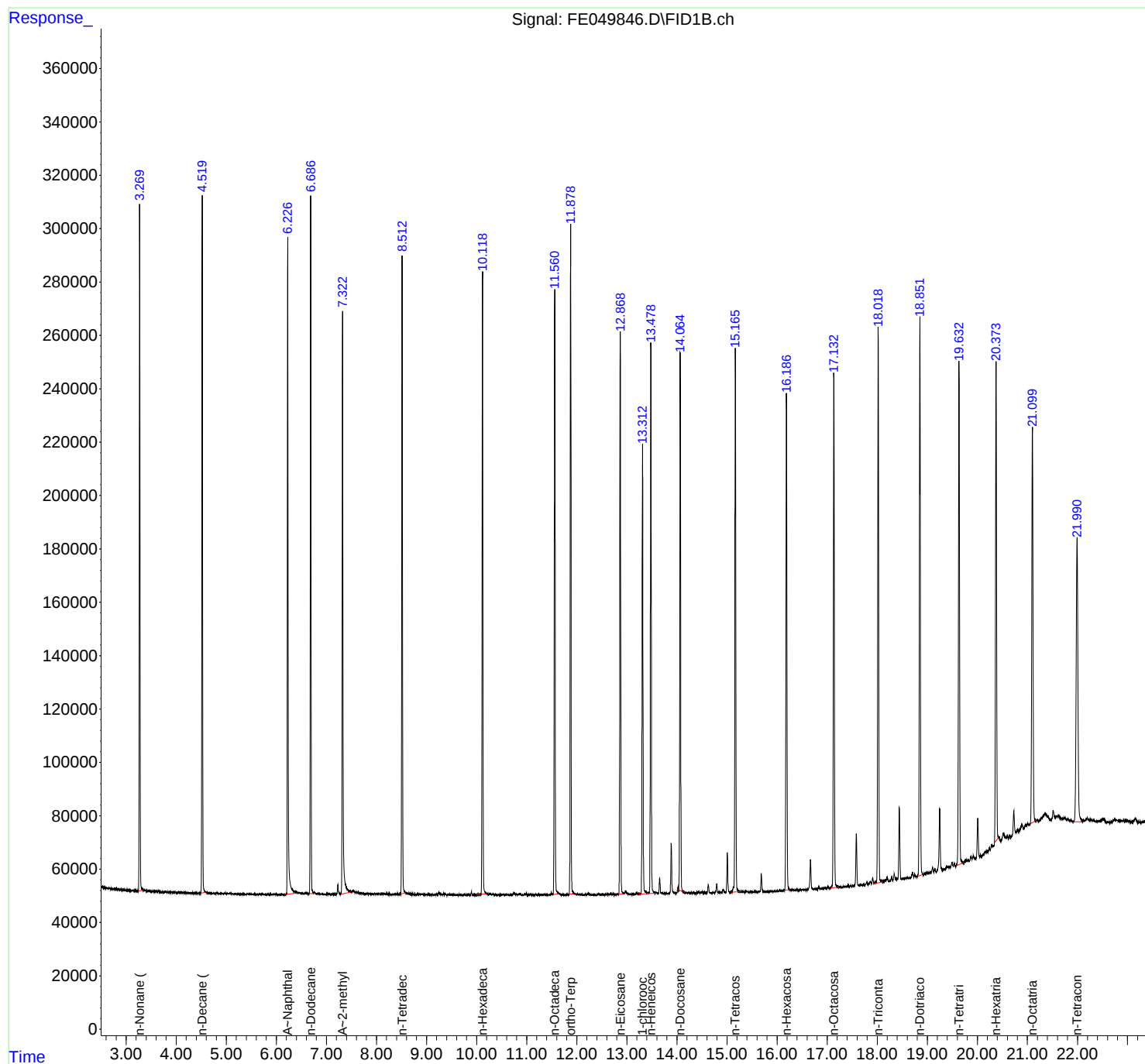
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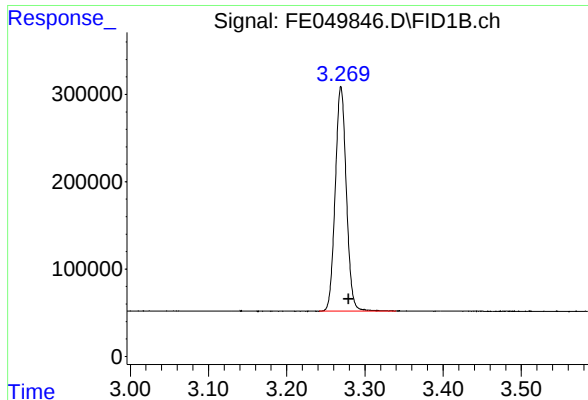
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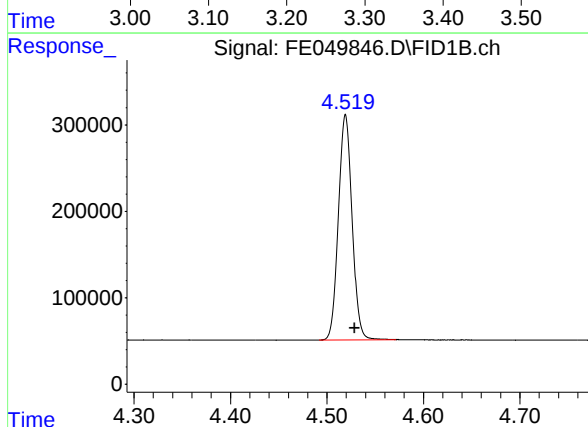
#1 n-Nonane (C9)

R.T.: 3.269 min
Delta R.T.: -0.010 min
Response: 2530305
Conc: 16.35 ug/ml

Instrument :
FID_E
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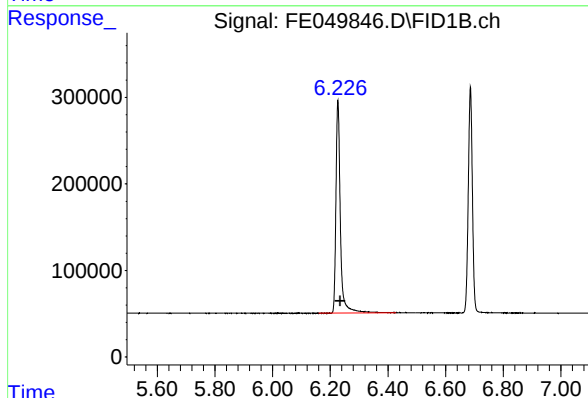
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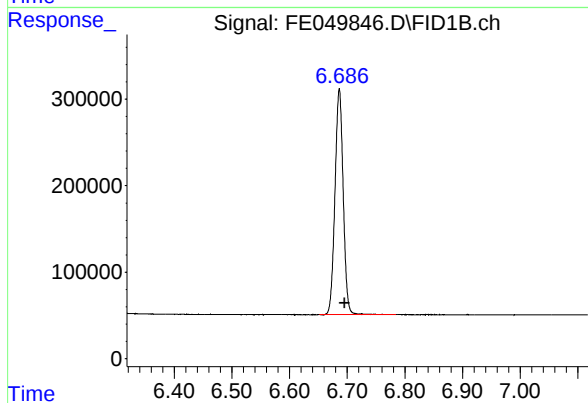
#2 n-Decane (C10)

R.T.: 4.519 min
Delta R.T.: -0.010 min
Response: 2576346
Conc: 16.32 ug/ml



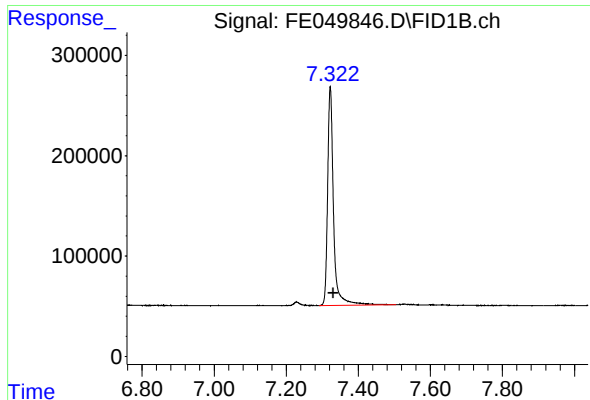
#3 A~Naphthalene (C11.7)

R.T.: 6.227 min
Delta R.T.: -0.008 min
Response: 2639671
Conc: 16.45 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.686 min
Delta R.T.: -0.009 min
Response: 2592867
Conc: 16.49 ug/ml



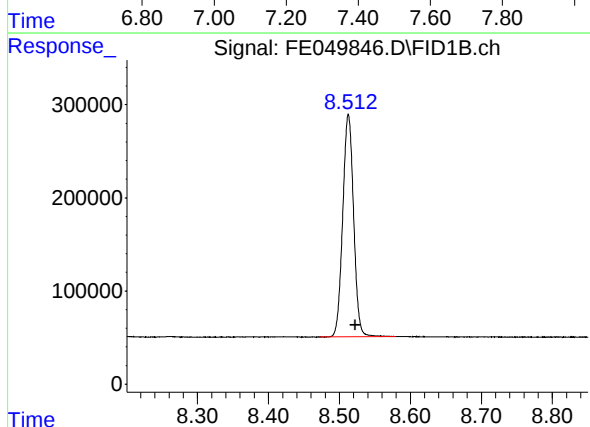
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.322 min
Delta R.T.: -0.008 min
Response: 2478493
Conc: 16.55 ug/ml

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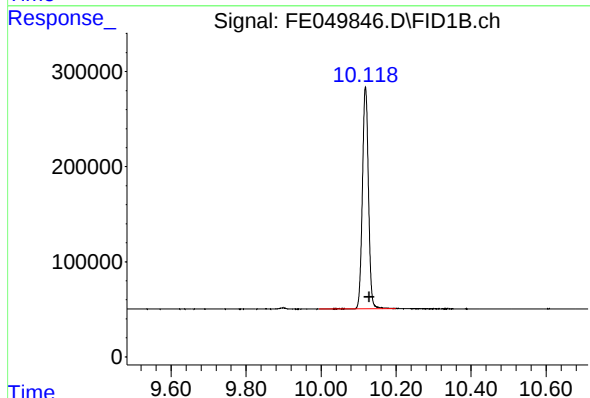
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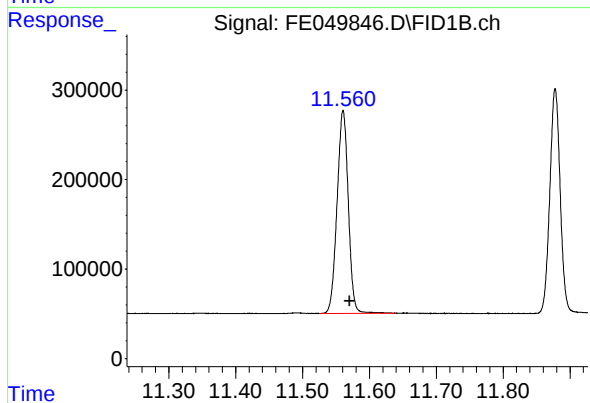
#6 n-Tetradecane (C14)

R.T.: 8.513 min
Delta R.T.: -0.010 min
Response: 2544650
Conc: 16.48 ug/ml



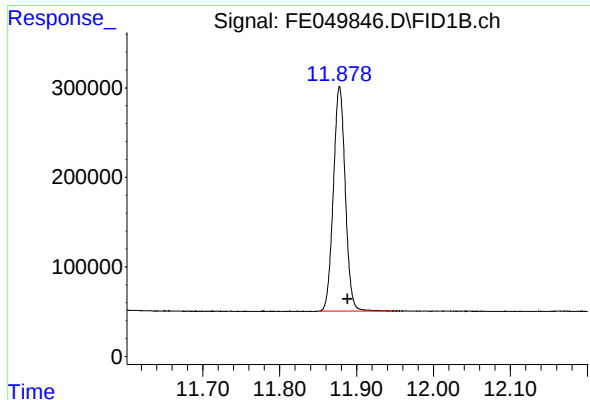
#7 n-Hexadecane (C16)

R.T.: 10.119 min
Delta R.T.: -0.010 min
Response: 2610085
Conc: 16.71 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.561 min
Delta R.T.: -0.010 min
Response: 2641573
Conc: 16.82 ug/ml



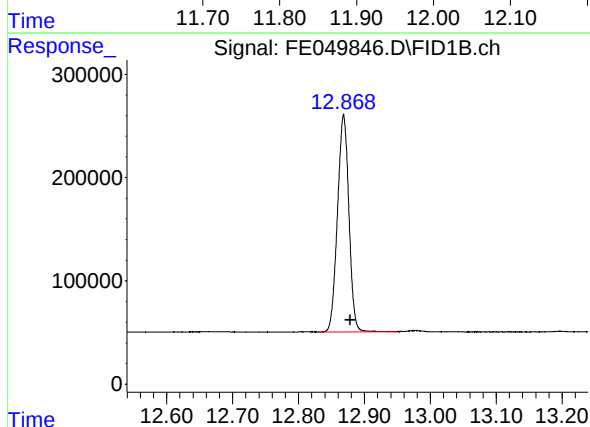
#9 ortho-Terphenyl (SURR)

R.T.: 11.878 min
Delta R.T.: -0.011 min
Response: 2703560
Conc: 16.72 ug/ml

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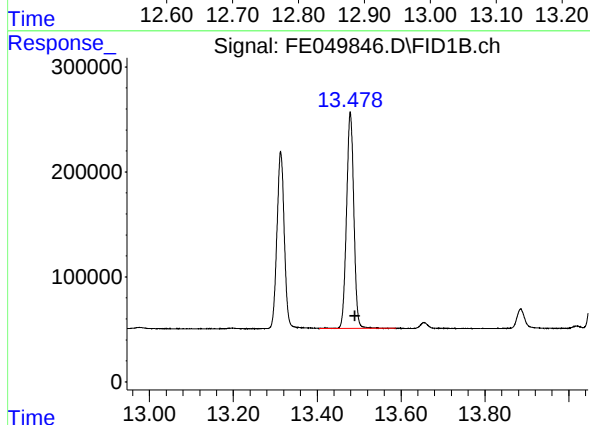
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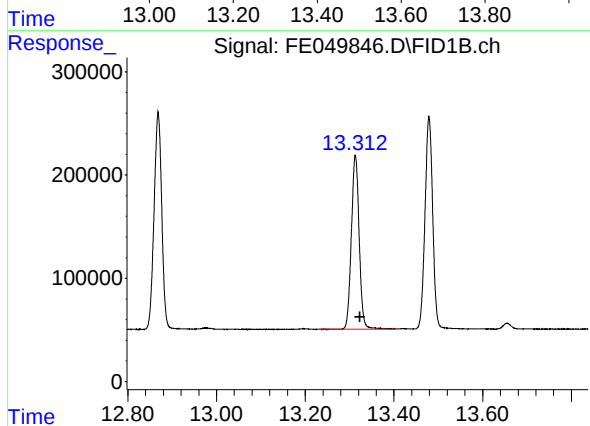
#10 n-Eicosane (C20)

R.T.: 12.868 min
Delta R.T.: -0.010 min
Response: 2530901
Conc: 16.95 ug/ml



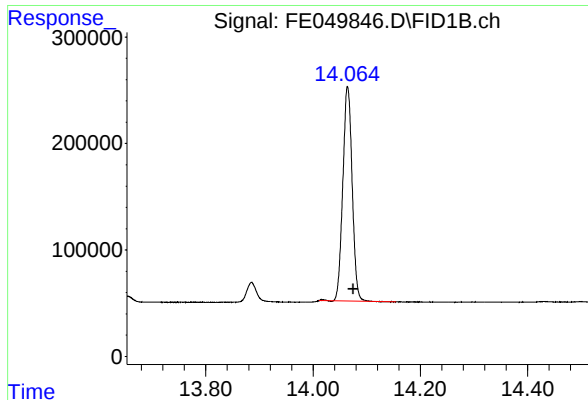
#11 n-Heneicosane (C21)

R.T.: 13.479 min
Delta R.T.: -0.011 min
Response: 2490854
Conc: 16.98 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.313 min
Delta R.T.: -0.010 min
Response: 2064747
Conc: 16.92 ug/ml



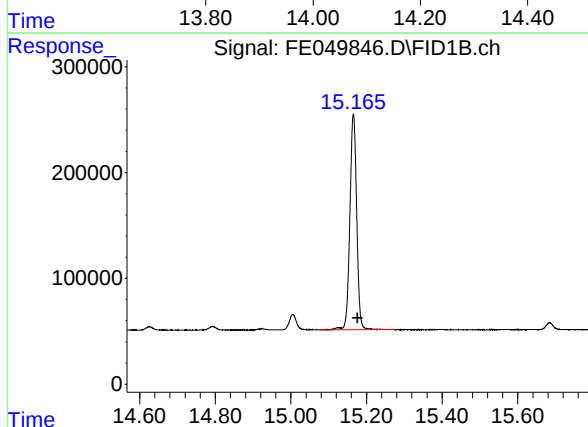
#13 n-Docosane (C22)

R.T.: 14.065 min
Delta R.T.: -0.011 min
Response: 2443457
Conc: 16.76 ug/ml

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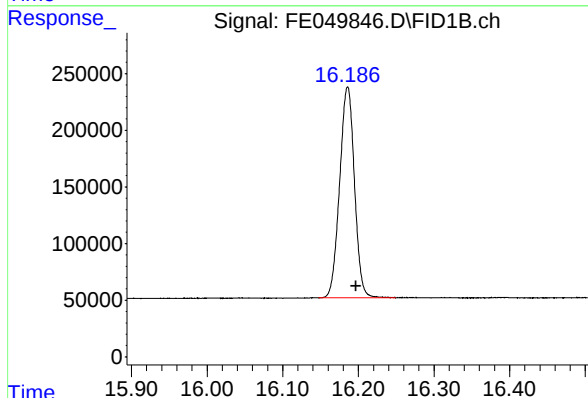
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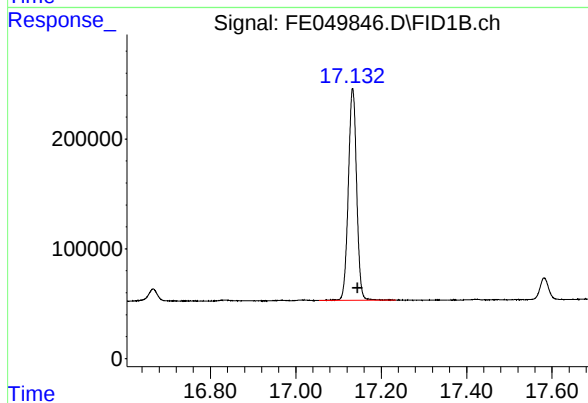
#14 n-Tetracosane (C24)

R.T.: 15.165 min
Delta R.T.: -0.011 min
Response: 2550224
Conc: 17.53 ug/ml



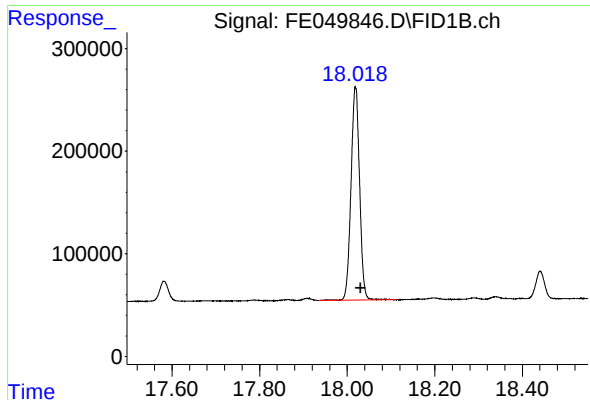
#15 n-Hexacosane (C26)

R.T.: 16.186 min
Delta R.T.: -0.011 min
Response: 2532564
Conc: 17.55 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.133 min
Delta R.T.: -0.012 min
Response: 2610314
Conc: 18.12 ug/ml



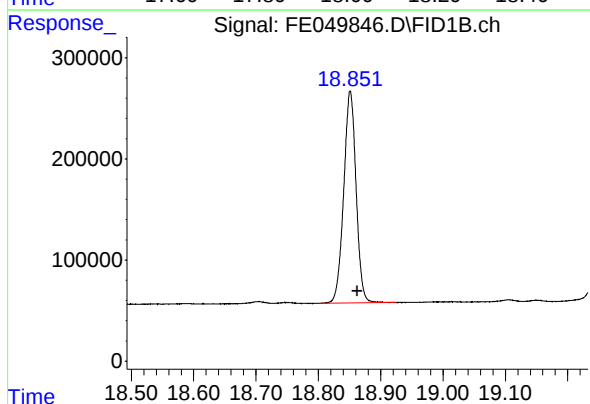
#17 n-Tricontane (C30)

R.T.: 18.019 min
Delta R.T.: -0.012 min
Response: 2828756
Conc: 18.90 ug/ml

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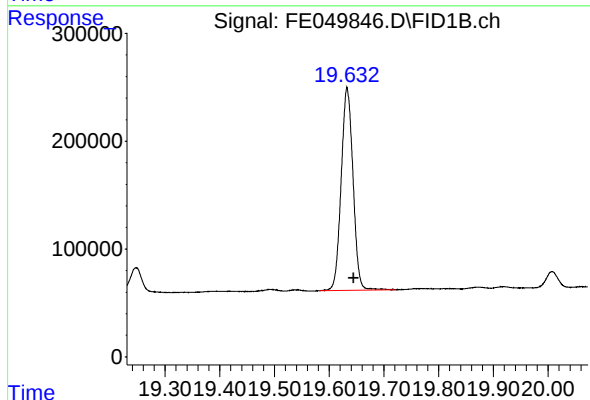
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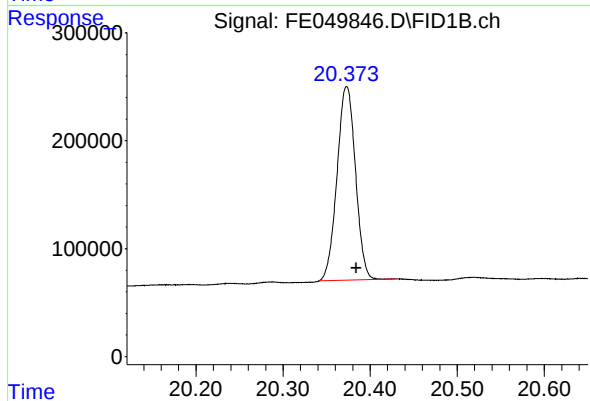
#18 n-Dotriacontane (C32)

R.T.: 18.851 min
Delta R.T.: -0.011 min
Response: 2889070
Conc: 19.10 ug/ml



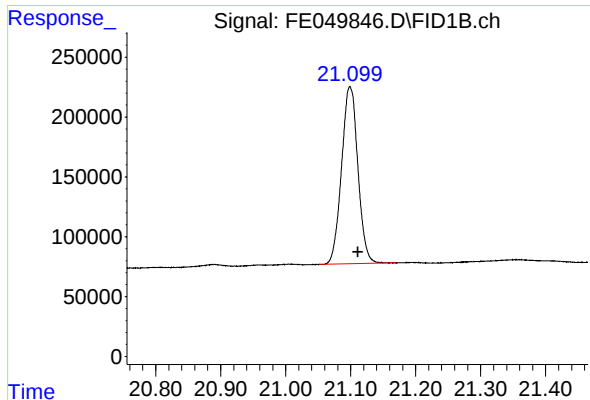
#19 n-Tetratriacontane (C34)

R.T.: 19.633 min
Delta R.T.: -0.012 min
Response: 2831913
Conc: 18.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.373 min
Delta R.T.: -0.011 min
Response: 2651885
Conc: 17.46 ug/ml



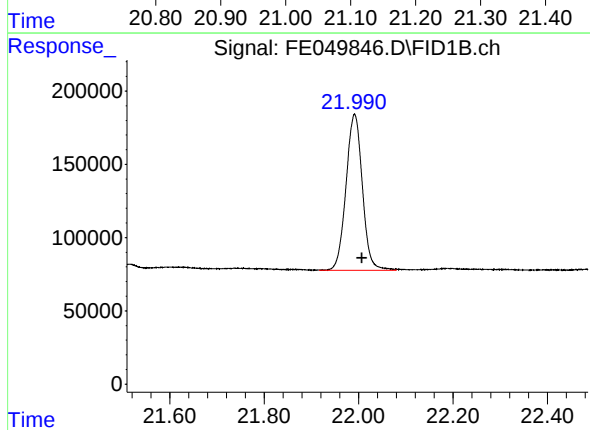
#21 n-Octatriacontane (C38)

R.T.: 21.099 min
Delta R.T.: -0.012 min
Response: 2584823
Conc: 16.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.990 min
Delta R.T.: -0.017 min
Response: 2562696
Conc: 16.78 ug/ml m