

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052825AL\
 Data File : FE054046.D
 Signal(s) : FID1B.ch
 Acq On : 28 May 2025 13:34
 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

Integration File: autoint1.e
 Quant Time: May 28 17:12:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 2025
 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)	11.841	2969618	18.273 ug/ml
Spiked Amount 50.000		Recovery =	36.55%
12) S 1-chlorooctadecane (S...	13.285	2203051	18.583 ug/ml
Spiked Amount 50.000		Recovery =	37.17%
Target Compounds			
1) T n-Nonane (C9)	3.188	2142372	15.851 ug/ml
2) T n-Decane (C10)	4.452	2183518	16.159 ug/ml
3) T A~Naphthalene (C11.7)	6.167	2447890	17.033 ug/ml
4) T n-Dodecane (C12)	6.634	2257161	16.547 ug/ml
5) T A~2-methylnaphthalene...	7.269	2414206	17.405 ug/ml
6) T n-Tetradecane (C14)	8.468	2300261	17.045 ug/ml
7) T n-Hexadecane (C16)	10.081	2381199	17.647 ug/ml
8) T n-Octadecane (C18)	11.527	2396662	17.798 ug/ml
10) T n-Eicosane (C20)	12.840	2410222	18.339 ug/ml
11) T n-Heneicosane (C21)	13.453	2390856	18.442 ug/ml
13) T n-Docosane (C22)	14.041	2378784	18.646 ug/ml
14) T n-Tetracosane (C24)	15.146	2350999	18.790 ug/ml
15) T n-Hexacosane (C26)	16.169	2310488	18.869 ug/ml
16) T n-Octacosane (C28)	17.121	2313206	19.029 ug/ml
17) T n-Tricontane (C30)	18.011	2397872	19.250 ug/ml
18) T n-Dotriacontane (C32)	18.843	2427244	19.409 ug/ml
19) T n-Tetratriacontane (C34)	19.629	2342560	19.665 ug/ml
20) T n-Hexatriacontane (C36)	20.370	2332967	20.149 ug/ml
21) T n-Octatriacontane (C38)	21.099	2278552	20.938 ug/ml
22) T n-Tetracontane (C40)	21.993	2229256	22.465 ug/ml

(f)=RT Delta > 1/2 Window

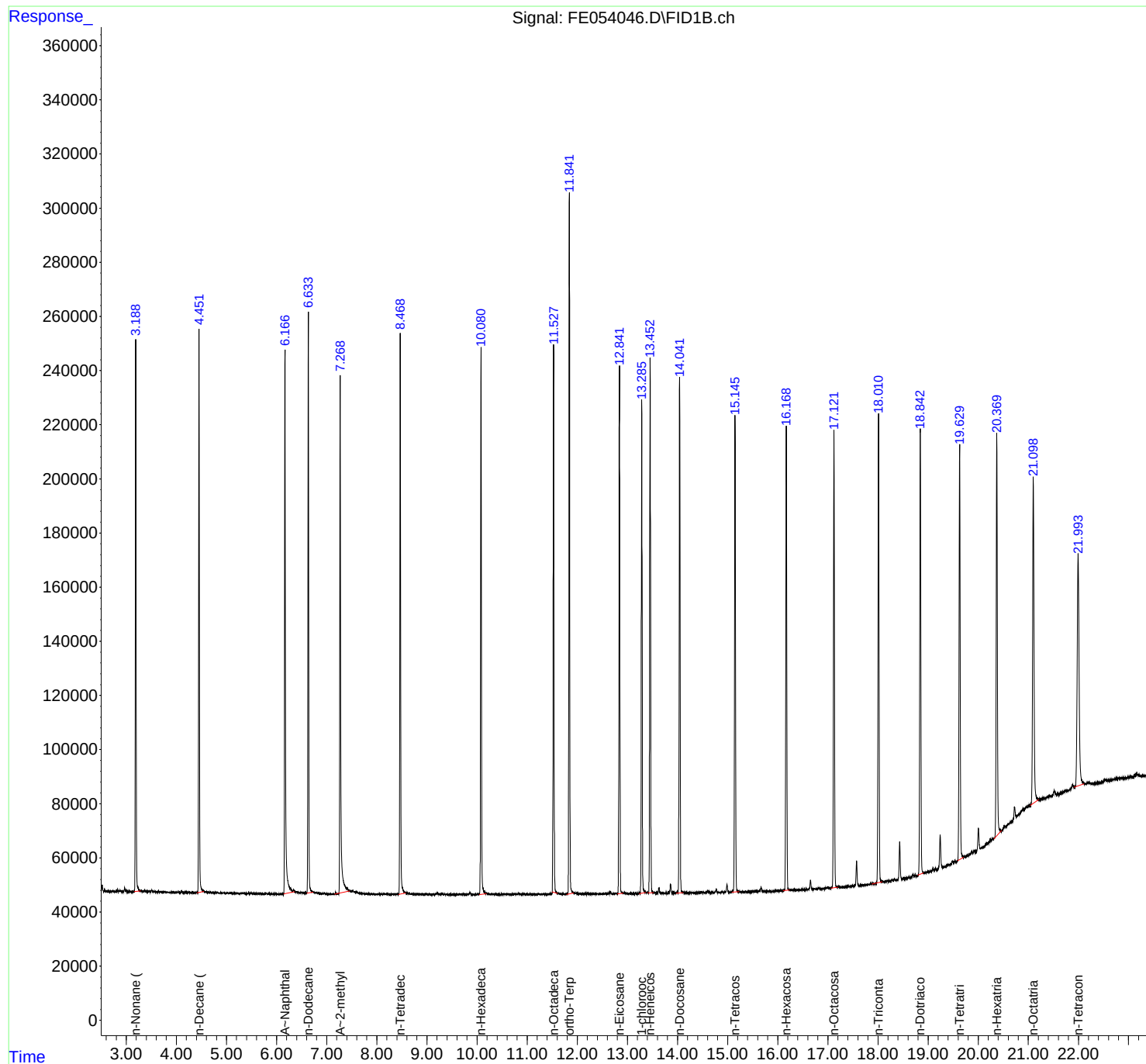
(m)=manual int.

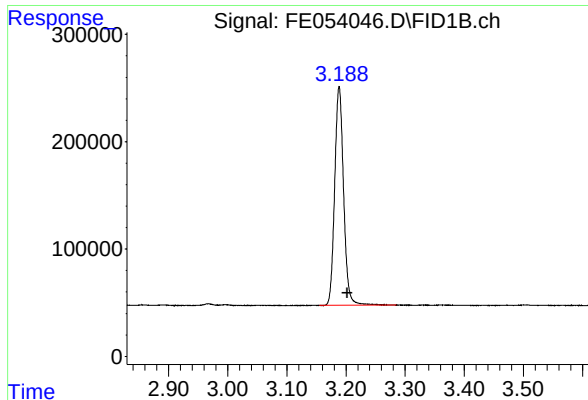
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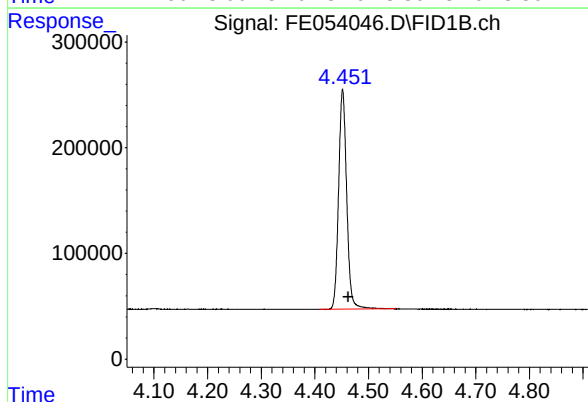




#1 n-Nonane (C9)

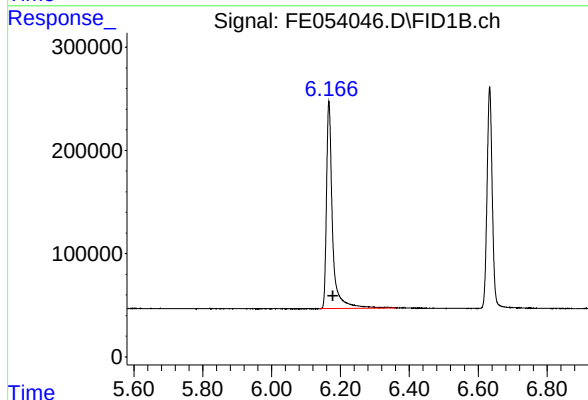
R.T.: 3.188 min
Delta R.T.: -0.014 min
Response: 2142372
Conc: 15.85 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD



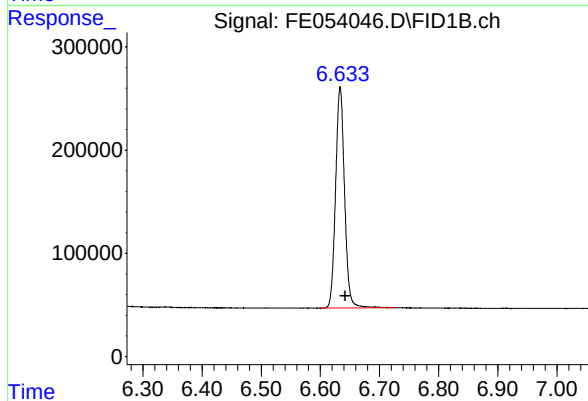
#2 n-Decane (C10)

R.T.: 4.452 min
Delta R.T.: -0.011 min
Response: 2183518
Conc: 16.16 ug/ml



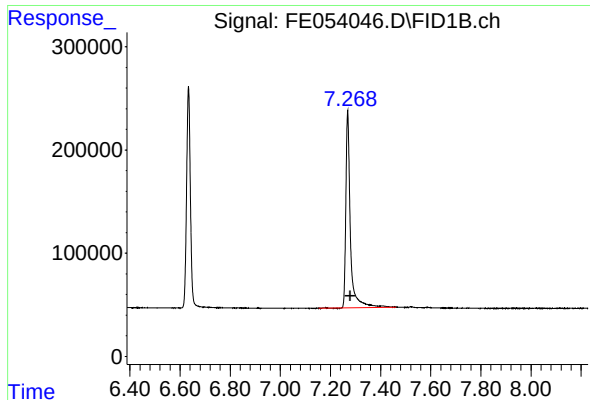
#3 A~Naphthalene (C11.7)

R.T.: 6.167 min
Delta R.T.: -0.012 min
Response: 2447890
Conc: 17.03 ug/ml



#4 n-Dodecane (C12)

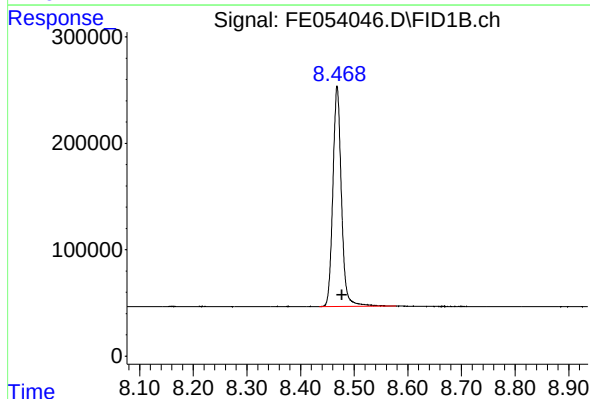
R.T.: 6.634 min
Delta R.T.: -0.009 min
Response: 2257161
Conc: 16.55 ug/ml



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

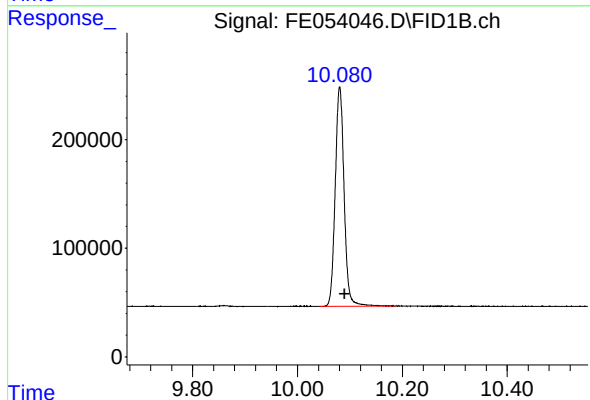
R.T.: 7.269 min
Delta R.T.: -0.012 min
Response: 2414206
Conc: 17.40 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD



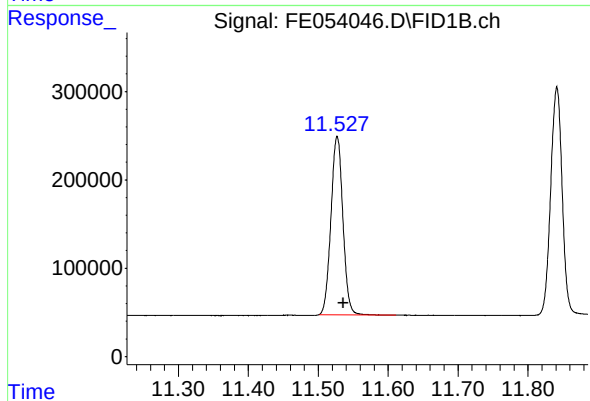
#6 n-Tetradecane (C14)

R.T.: 8.468 min
Delta R.T.: -0.009 min
Response: 2300261
Conc: 17.05 ug/ml



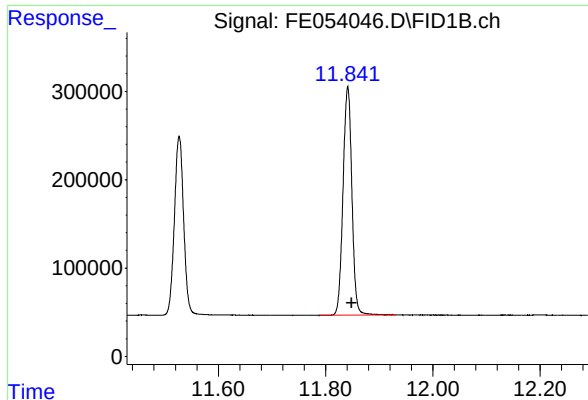
#7 n-Hexadecane (C16)

R.T.: 10.081 min
Delta R.T.: -0.009 min
Response: 2381199
Conc: 17.65 ug/ml



#8 n-Octadecane (C18)

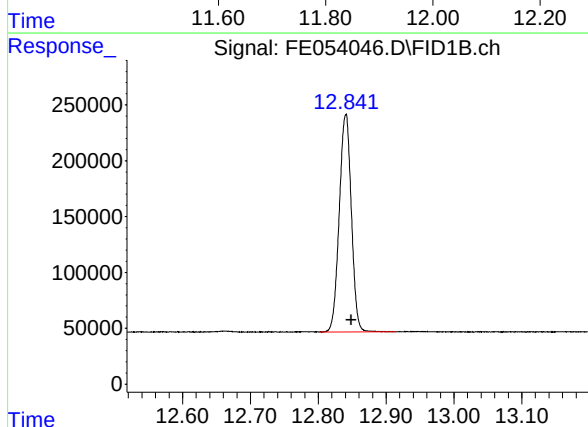
R.T.: 11.527 min
Delta R.T.: -0.009 min
Response: 2396662
Conc: 17.80 ug/ml



#9 ortho-Terphenyl (SURR)

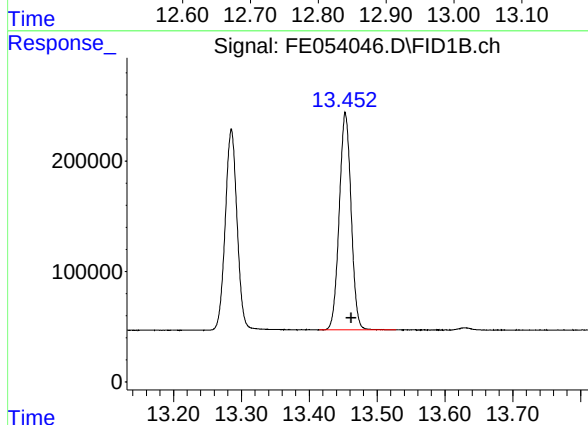
R.T.: 11.841 min
Delta R.T.: -0.007 min
Response: 2969618
Conc: 18.27 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



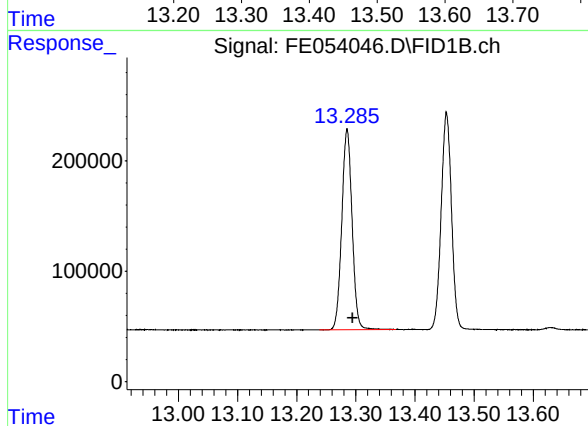
#10 n-Eicosane (C20)

R.T.: 12.840 min
Delta R.T.: -0.008 min
Response: 2410222
Conc: 18.34 ug/ml



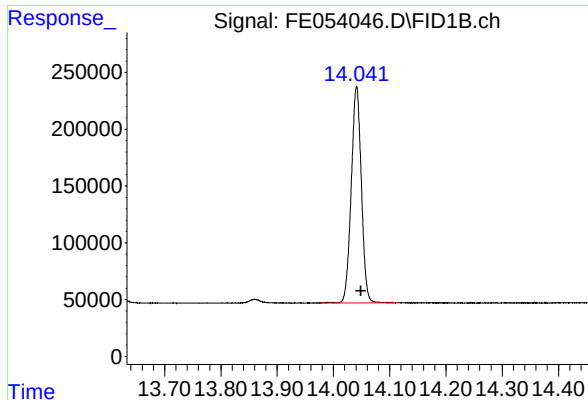
#11 n-Heneicosane (C21)

R.T.: 13.453 min
Delta R.T.: -0.009 min
Response: 2390856
Conc: 18.44 ug/ml



#12 1-chlorooctadecane (SURR)

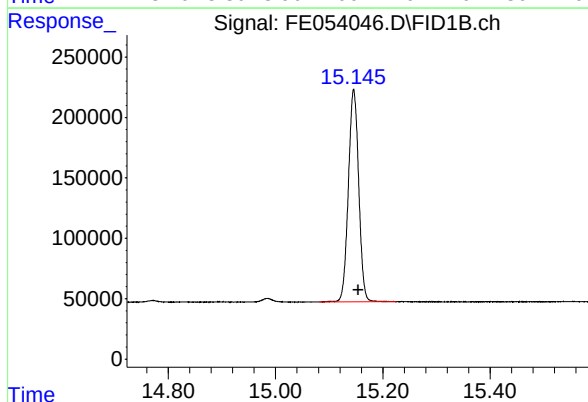
R.T.: 13.285 min
Delta R.T.: -0.009 min
Response: 2203051
Conc: 18.58 ug/ml



#13 n-Docosane (C22)

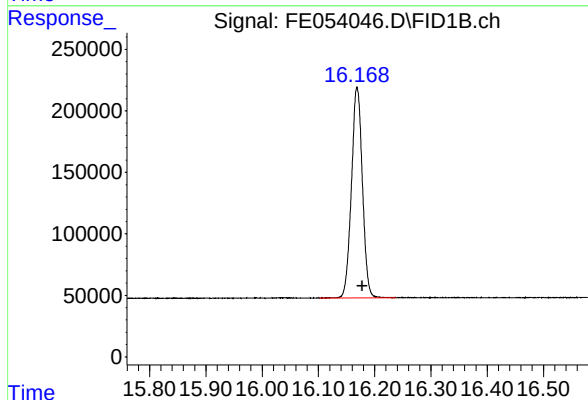
R.T.: 14.041 min
Delta R.T.: -0.008 min
Response: 2378784
Conc: 18.65 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



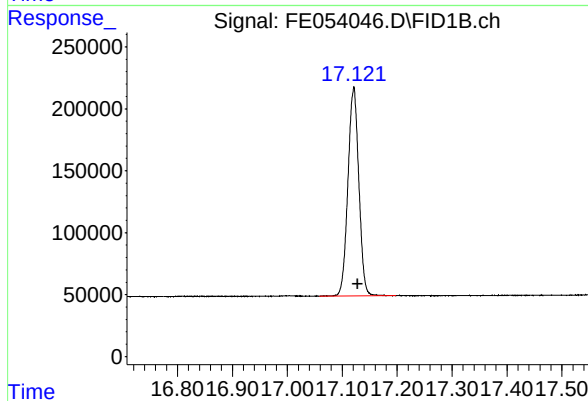
#14 n-Tetracosane (C24)

R.T.: 15.146 min
Delta R.T.: -0.009 min
Response: 2350999
Conc: 18.79 ug/ml



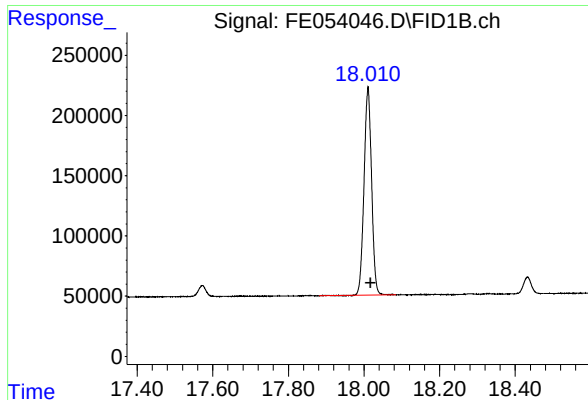
#15 n-Hexacosane (C26)

R.T.: 16.169 min
Delta R.T.: -0.009 min
Response: 2310488
Conc: 18.87 ug/ml



#16 n-Octacosane (C28)

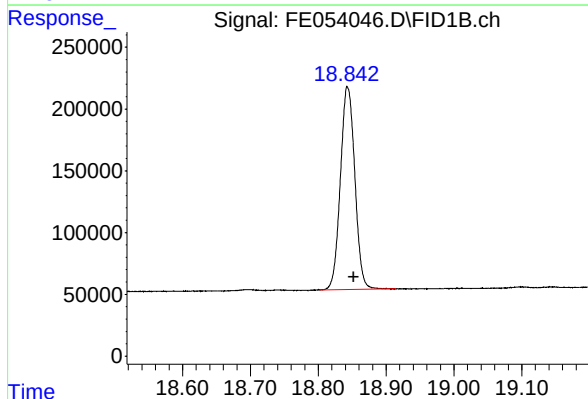
R.T.: 17.121 min
Delta R.T.: -0.008 min
Response: 2313206
Conc: 19.03 ug/ml



#17 n-Tricontane (C30)

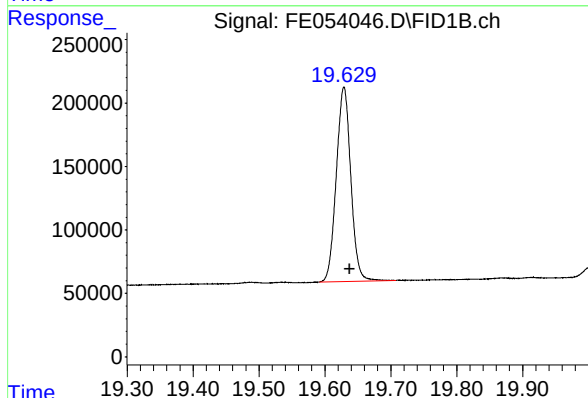
R.T.: 18.011 min
Delta R.T.: -0.007 min
Response: 2397872
Conc: 19.25 ug/ml

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20 PPM ALIPHATIC HC STD



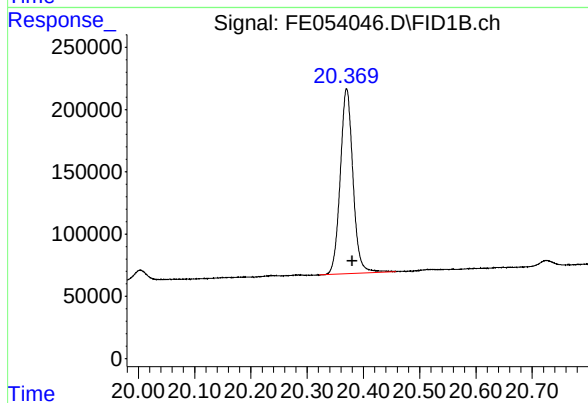
#18 n-Dotriacontane (C32)

R.T.: 18.843 min
Delta R.T.: -0.009 min
Response: 2427244
Conc: 19.41 ug/ml



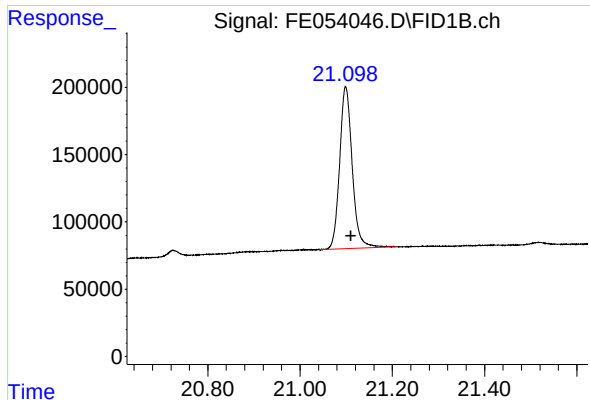
#19 n-Tetatriacontane (C34)

R.T.: 19.629 min
Delta R.T.: -0.009 min
Response: 2342560
Conc: 19.67 ug/ml



#20 n-Hexatriacontane (C36)

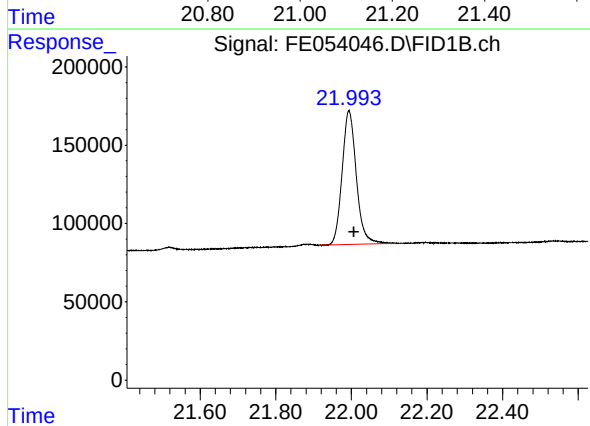
R.T.: 20.370 min
Delta R.T.: -0.010 min
Response: 2332967
Conc: 20.15 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.099 min
Delta R.T.: -0.012 min
Response: 2278552
Conc: 20.94 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD



#22 n-Tetracontane (C40)

R.T.: 21.993 min
Delta R.T.: -0.013 min
Response: 2229256
Conc: 22.47 ug/ml