

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050423AL\
 Data File : FE041729.D
 Signal(s) : FID1B.ch
 Acq On : 04 May 2023 12:47
 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 05/05/2023
 Supervised By :Ankita Jodhani 05/05/2023

Integration File: autoint1.e
 Quant Time: May 05 01:17:46 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 07:33:51 2023
 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)	11.978	3817055	20.346 ug/ml
Spiked Amount 50.000		Recovery =	40.69%
12) S 1-chlorooctadecane (S...	13.414	2807710	19.875 ug/ml
Spiked Amount 50.000		Recovery =	39.75%
Target Compounds			
1) T n-Nonane (C9)	3.353	3074428	20.915 ug/ml
2) T n-Decane (C10)	4.607	3197223	21.318 ug/ml
3) T A~Naphthalene (C11.7)	6.314	3523552	21.292 ug/ml
4) T n-Dodecane (C12)	6.776	3221156	21.186 ug/ml
5) T A~2-methylnaphthalene...	7.411	3434073	21.297 ug/ml
6) T n-Tetradecane (C14)	8.605	3215567	21.168 ug/ml
7) T n-Hexadecane (C16)	10.214	3347366	20.976 ug/ml
8) T n-Octadecane (C18)	11.658	3392404	20.696 ug/ml
10) T n-Eicosane (C20)	12.969	3254407	20.233 ug/ml
11) T n-Heneicosane (C21)	13.581	3190556	20.020 ug/ml
13) T n-Docosane (C22)	14.167	3156102	19.809 ug/ml
14) T n-Tetracosane (C24)	15.270	3110360	19.293 ug/ml
15) T n-Hexacosane (C26)	16.291	2986027	18.887 ug/ml
16) T n-Octacosane (C28)	17.242	2902723	18.865 ug/ml
17) T n-Tricontane (C30)	18.129	2938914	19.296 ug/ml
18) T n-Dotriacontane (C32)	18.963	2873835	19.290 ug/ml
19) T n-Tetratriacontane (C34)	19.747	2802398	19.893 ug/ml
20) T n-Hexatriacontane (C36)	20.487	2734195	20.446 ug/mlm
21) T n-Octatriacontane (C38)	21.241	2925755	22.142 ug/ml
22) T n-Tetracontane (C40)	22.182	2940254	23.223 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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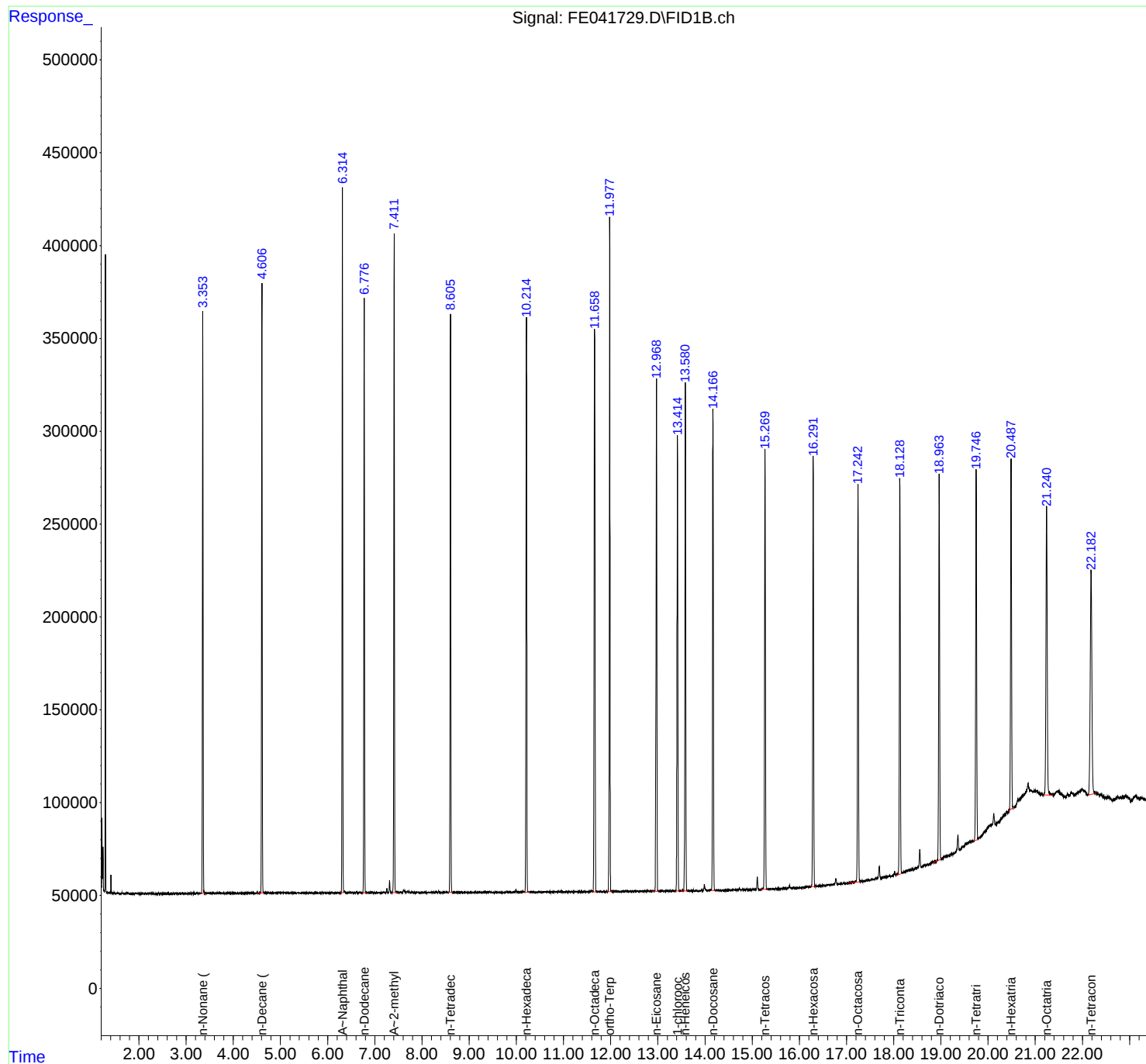
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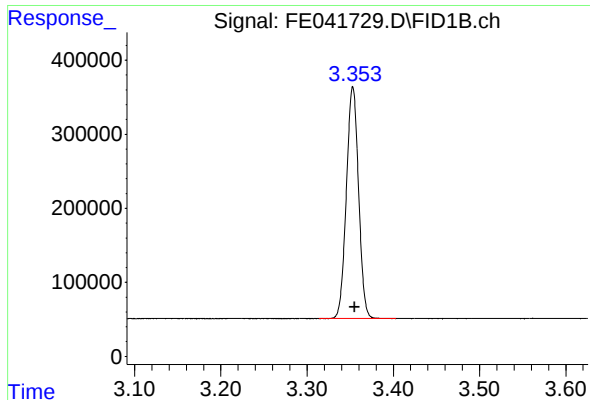
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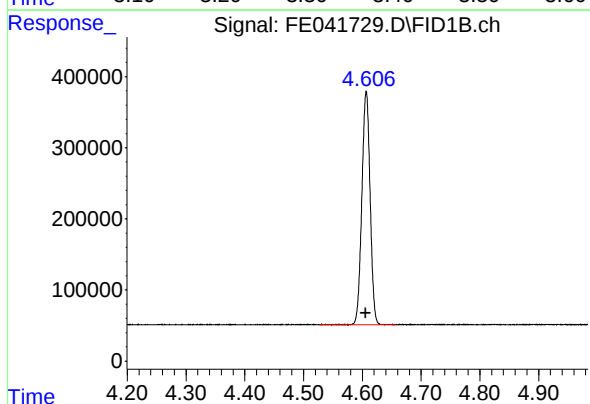
#1 n-Nonane (C9)

R.T.: 3.353 min
Delta R.T.: -0.002 min
Response: 3074428
Conc: 20.92 ug/ml

Instrument : FID_E
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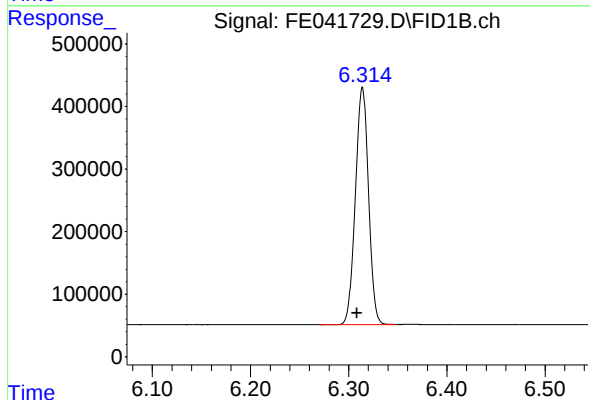
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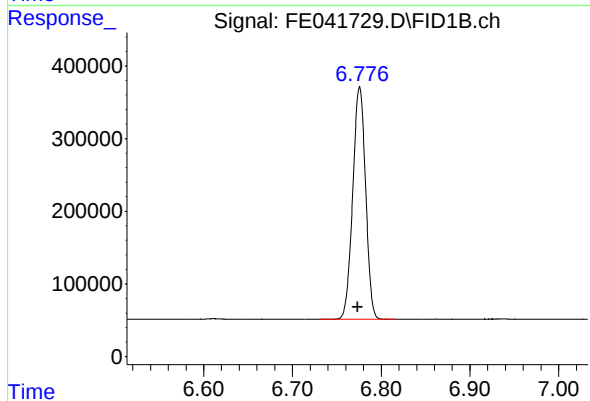
#2 n-Decane (C10)

R.T.: 4.607 min
Delta R.T.: 0.001 min
Response: 3197223
Conc: 21.32 ug/ml



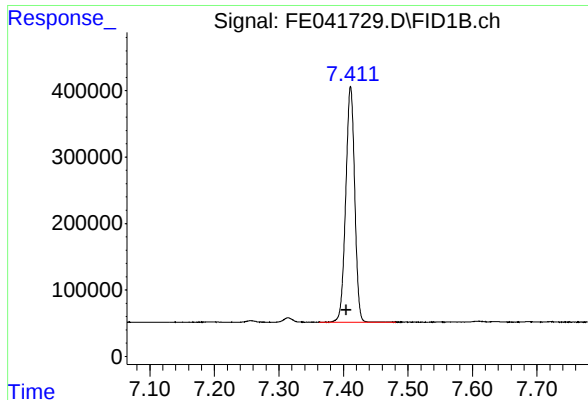
#3 A~Naphthalene (C11.7)

R.T.: 6.314 min
Delta R.T.: 0.006 min
Response: 3523552
Conc: 21.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.776 min
Delta R.T.: 0.002 min
Response: 3221156
Conc: 21.19 ug/ml



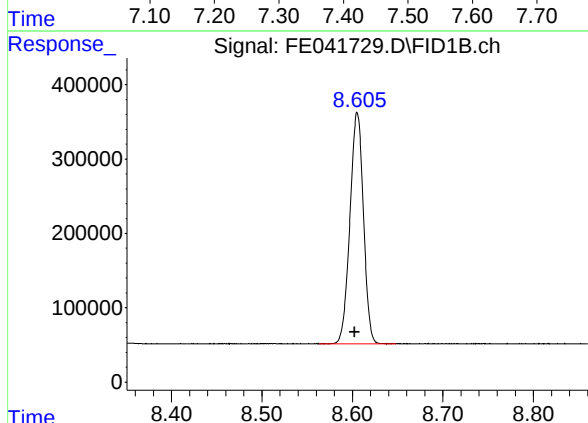
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.411 min
Delta R.T.: 0.007 min
Response: 3434073
Conc: 21.30 ug/ml

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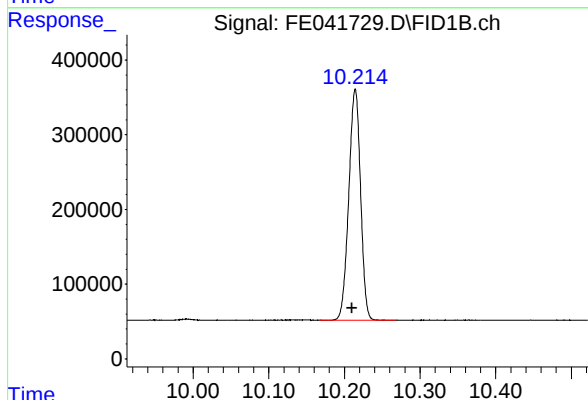
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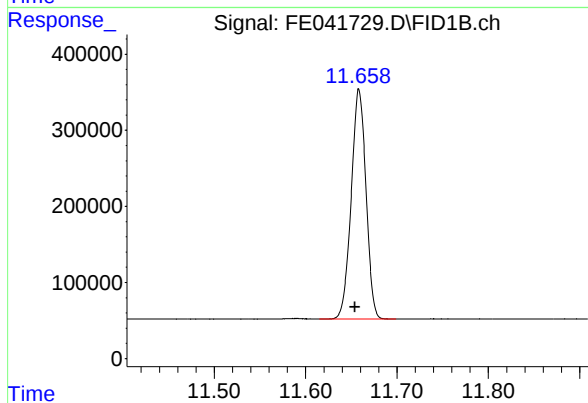
#6 n-Tetradecane (C14)

R.T.: 8.605 min
Delta R.T.: 0.003 min
Response: 3215567
Conc: 21.17 ug/ml



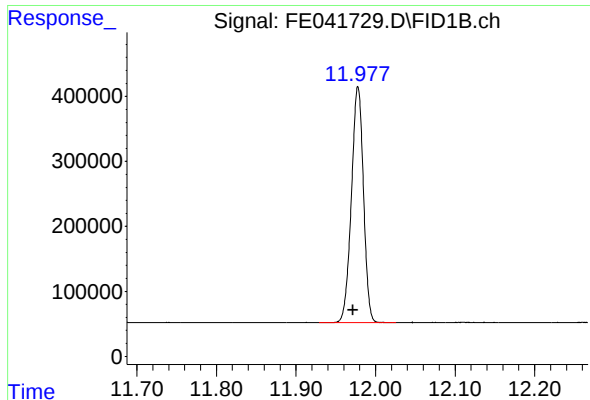
#7 n-Hexadecane (C16)

R.T.: 10.214 min
Delta R.T.: 0.005 min
Response: 3347366
Conc: 20.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.658 min
Delta R.T.: 0.004 min
Response: 3392404
Conc: 20.70 ug/ml



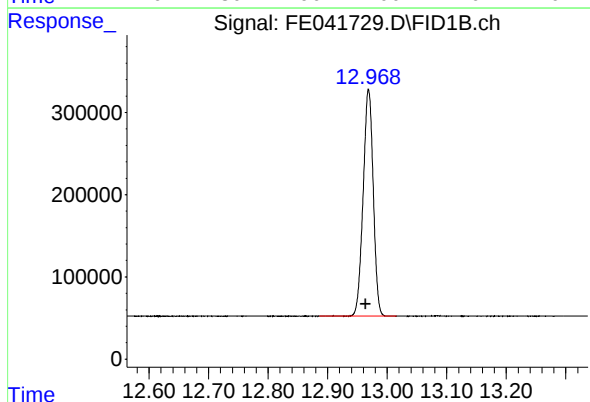
#9 ortho-Terphenyl (SURR)

R.T.: 11.978 min
Delta R.T.: 0.006 min
Response: 3817055
Conc: 20.35 ug/ml

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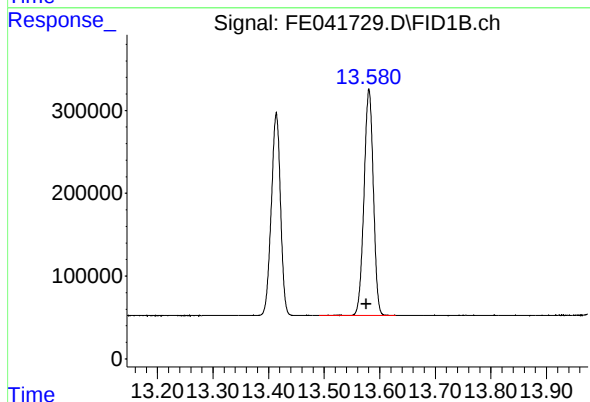
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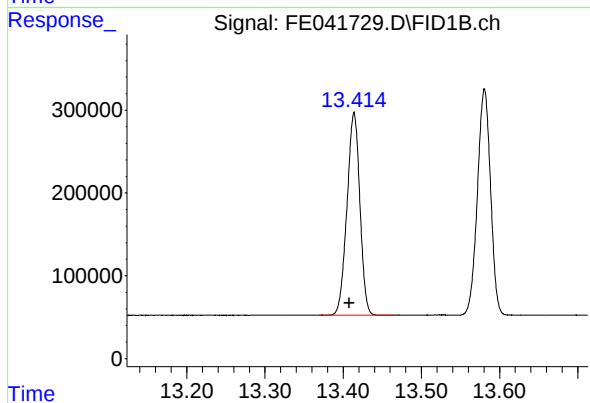
#10 n-Eicosane (C20)

R.T.: 12.969 min
Delta R.T.: 0.005 min
Response: 3254407
Conc: 20.23 ug/ml



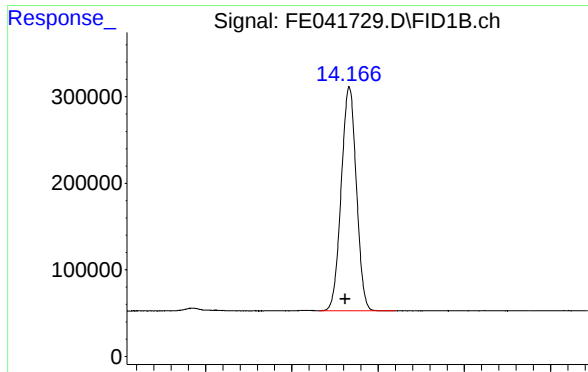
#11 n-Heneicosane (C21)

R.T.: 13.581 min
Delta R.T.: 0.005 min
Response: 3190556
Conc: 20.02 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.414 min
Delta R.T.: 0.006 min
Response: 2807710
Conc: 19.87 ug/ml



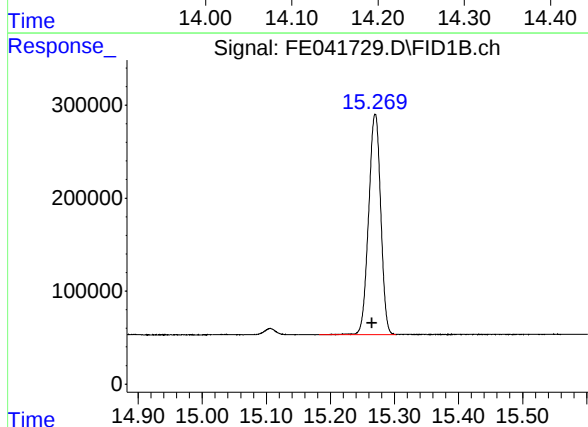
#13 n-Docosane (C22)

R.T.: 14.167 min
Delta R.T.: 0.005 min
Response: 3156102
Conc: 19.81 ug/ml

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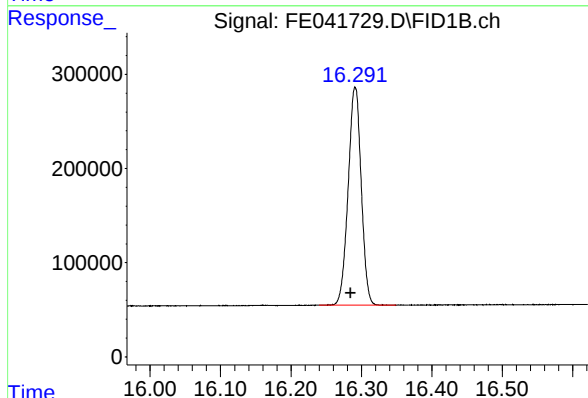
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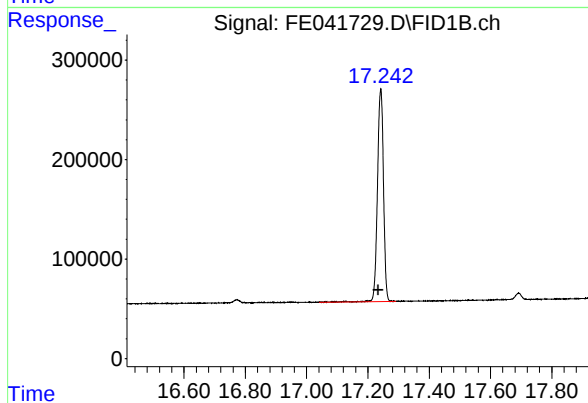
#14 n-Tetracosane (C24)

R.T.: 15.270 min
Delta R.T.: 0.005 min
Response: 3110360
Conc: 19.29 ug/ml



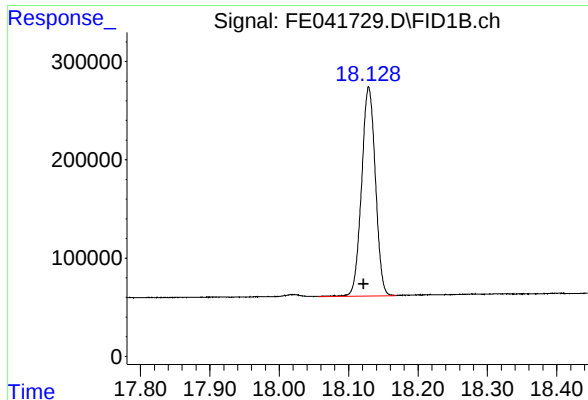
#15 n-Hexacosane (C26)

R.T.: 16.291 min
Delta R.T.: 0.006 min
Response: 2986027
Conc: 18.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.242 min
Delta R.T.: 0.008 min
Response: 2902723
Conc: 18.86 ug/ml



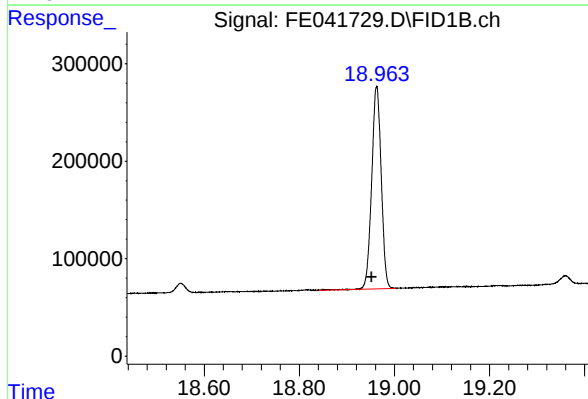
#17 n-Tricontane (C30)

R.T.: 18.129 min
Delta R.T.: 0.007 min
Response: 2938914
Conc: 19.30 ug/ml

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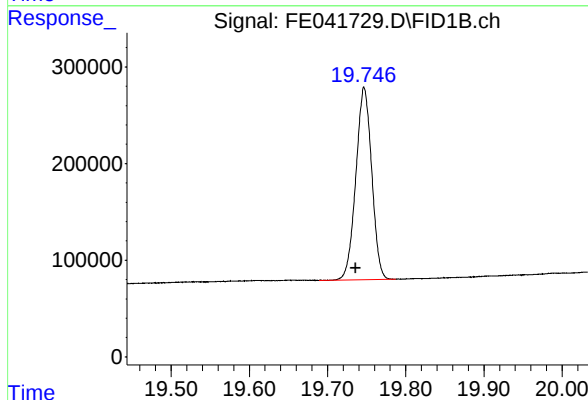
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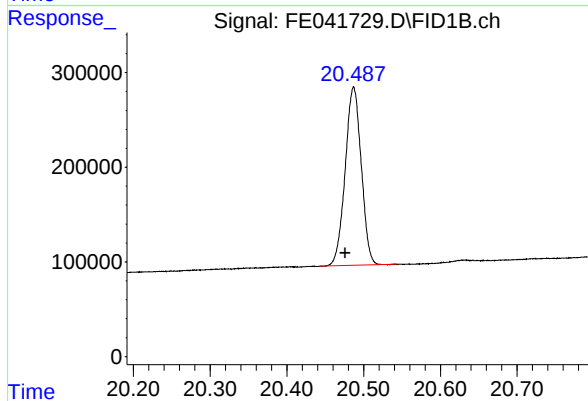
#18 n-Dotriacontane (C32)

R.T.: 18.963 min
Delta R.T.: 0.010 min
Response: 2873835
Conc: 19.29 ug/ml



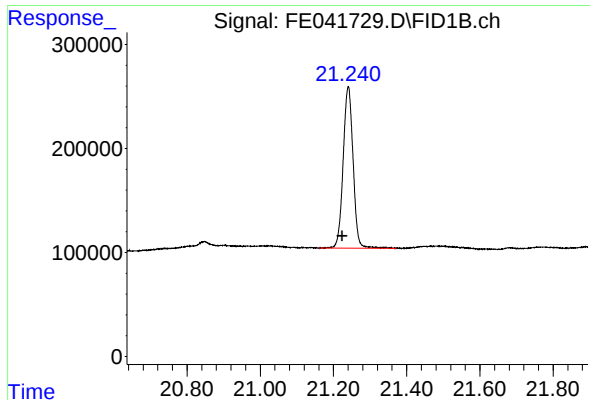
#19 n-Tetratriacontane (C34)

R.T.: 19.747 min
Delta R.T.: 0.011 min
Response: 2802398
Conc: 19.89 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.487 min
Delta R.T.: 0.011 min
Response: 2734195
Conc: 20.45 ug/ml m



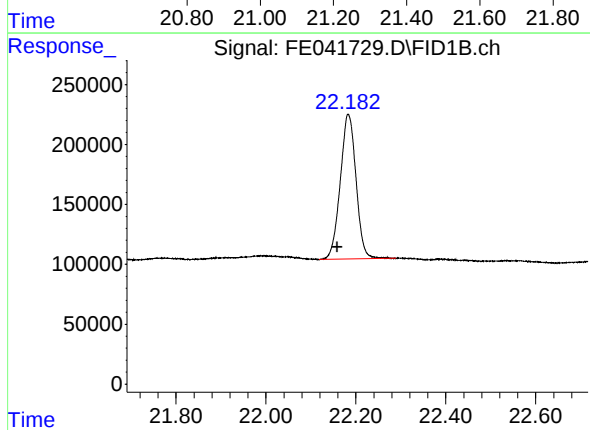
#21 n-Octatriacontane (C38)

R.T.: 21.241 min
Delta R.T.: 0.016 min
Response: 2925755
Conc: 22.14 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.182 min
Delta R.T.: 0.024 min
Response: 2940254
Conc: 23.22 ug/ml m