

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020824AL\
 Data File : FD047225.D
 Signal(s) : FID2B.ch
 Acq On : 09 Feb 2024 12:58
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc : AL LOQ 5 PPM
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Feb 11 23:07:25 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 020824.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 09 05:31:04 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)	11.357	3788552	20.976 ug/ml
Spiked Amount 50.000		Recovery =	41.95%
12) S 1-chlorooctadecane (S...	12.792	2897063	20.932 ug/ml
Spiked Amount 50.000		Recovery =	41.86%
Target Compounds			
1) T n-Nonane (C9)	3.198	3302627	21.108 ug/ml
2) T n-Decane (C10)	4.250	3386384	21.187 ug/ml
3) T A~Naphthalene (C11.7)	5.806	3719850	21.292 ug/ml
4) T n-Dodecane (C12)	6.249	3436265	21.186 ug/ml
5) T A~2-methylnaphthalene...	6.854	3595990	21.201 ug/ml
6) T n-Tetradecane (C14)	8.032	3412531	21.093 ug/ml
7) T n-Hexadecane (C16)	9.622	3531869	21.079 ug/ml
8) T n-Octadecane (C18)	11.055	3588970	21.088 ug/ml
10) T n-Eicosane (C20)	12.355	3443894	20.925 ug/ml
11) T n-Heneicosane (C21)	12.961	3393951	20.924 ug/ml
13) T n-Docosane (C22)	13.544	3366821	20.914 ug/ml
14) T n-Tetracosane (C24)	14.639	3334420	20.935 ug/ml
15) T n-Hexacosane (C26)	15.651	3235598	20.837 ug/ml
16) T n-Octacosane (C28)	16.594	3116911	20.825 ug/ml
17) T n-Tricontane (C30)	17.473	3087101	20.859 ug/ml
18) T n-Dotriacontane (C32)	18.299	2938527	20.838 ug/ml
19) T n-Tetratriacontane (C34)	19.077	2772728	20.948 ug/ml
20) T n-Hexatriacontane (C36)	19.810	2586428	20.790 ug/ml
21) T n-Octatriacontane (C38)	20.506	2478079	20.714 ug/ml
22) T n-Tetracontane (C40)	21.312	2380893	20.575 ug/ml

(f)=RT Delta > 1/2 Window

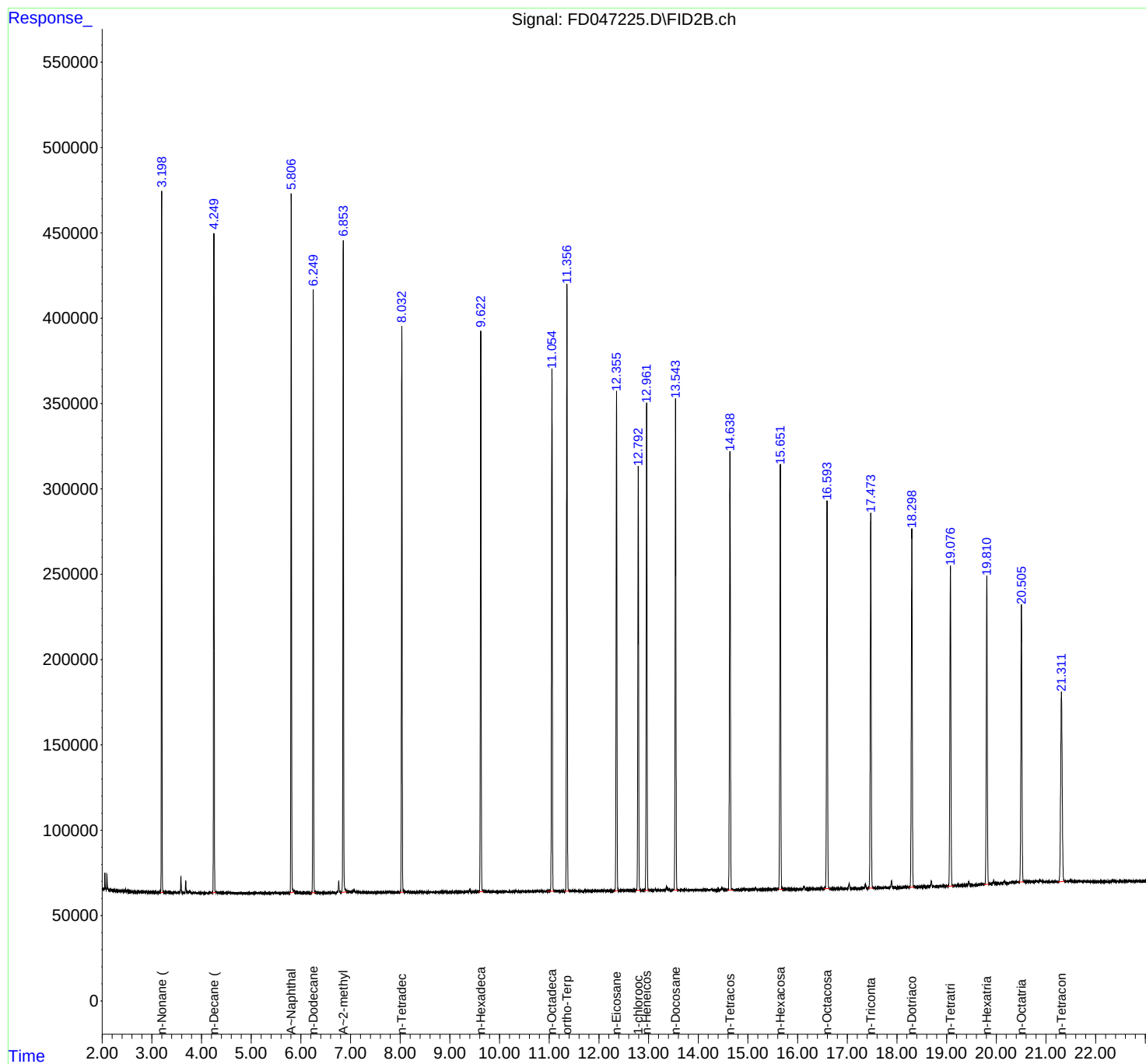
(m)=manual int.

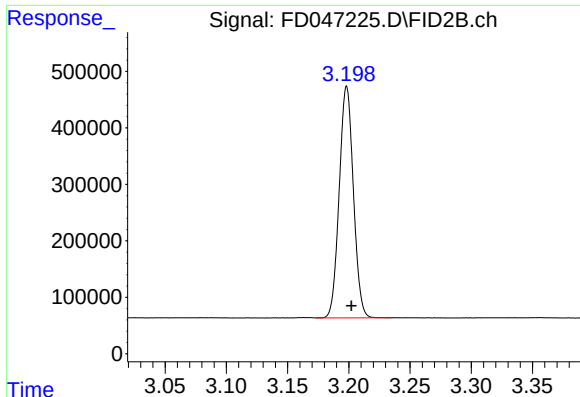
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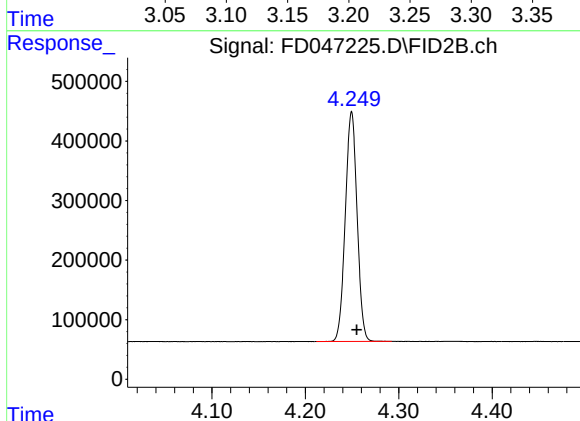




#1 n-Nonane (C9)

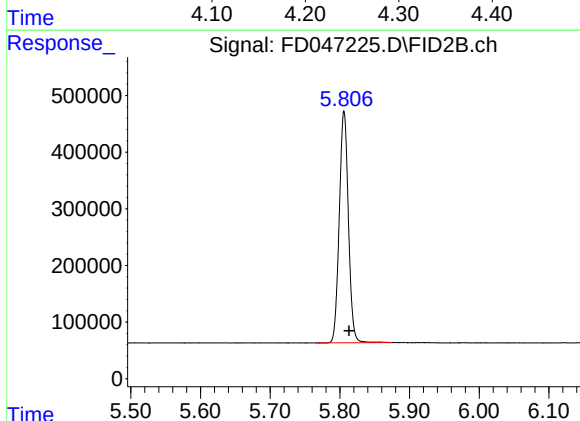
R.T.: 3.198 min
Delta R.T.: -0.004 min
Response: 3302627
Conc: 21.11 ug/ml

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20 PPM ALIPHATIC HC STD



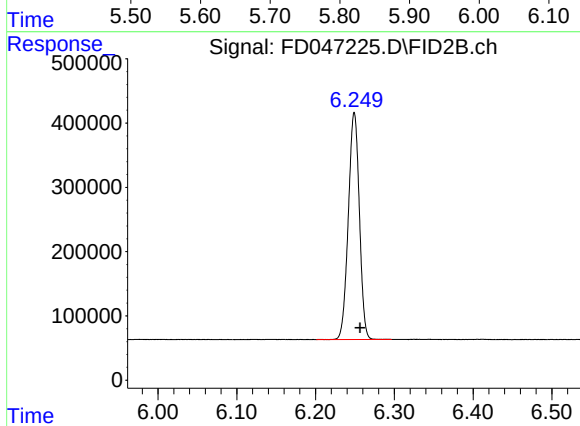
#2 n-Decane (C10)

R.T.: 4.250 min
Delta R.T.: -0.005 min
Response: 3386384
Conc: 21.19 ug/ml



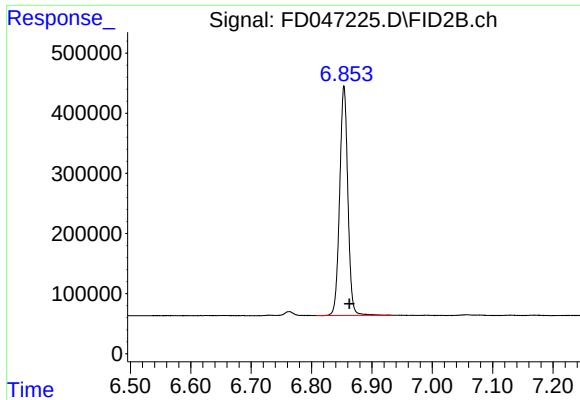
#3 A~Naphthalene (C11.7)

R.T.: 5.806 min
Delta R.T.: -0.007 min
Response: 3719850
Conc: 21.29 ug/ml



#4 n-Dodecane (C12)

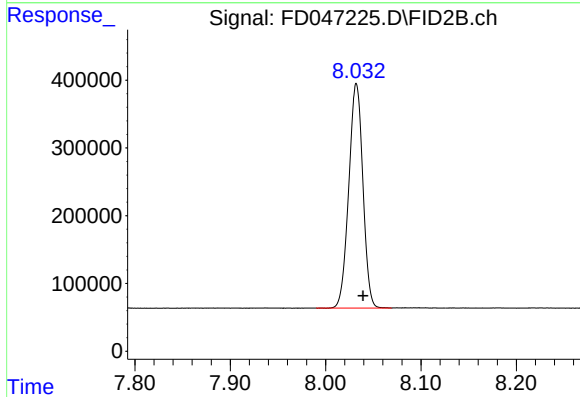
R.T.: 6.249 min
Delta R.T.: -0.007 min
Response: 3436265
Conc: 21.19 ug/ml



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

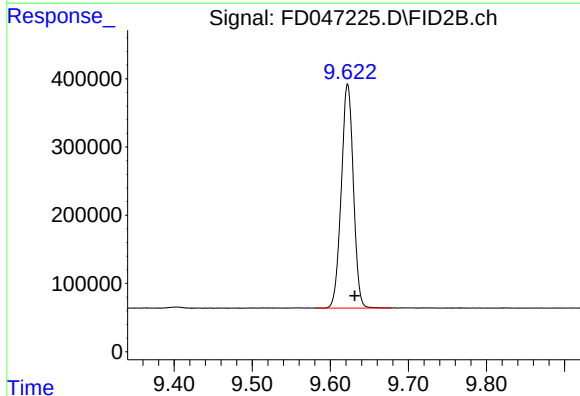
R.T.: 6.854 min
Delta R.T.: -0.009 min
Response: 3595990
Conc: 21.20 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



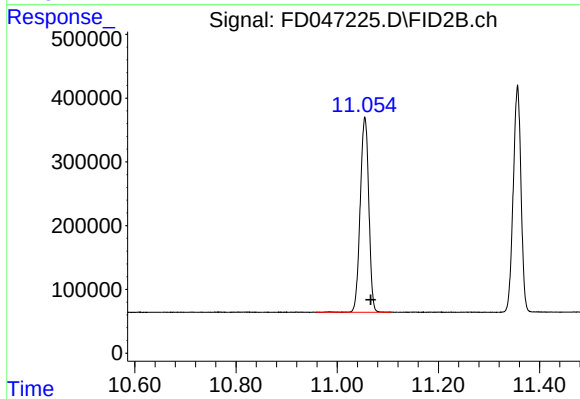
#6 n-Tetradecane (C14)

R.T.: 8.032 min
Delta R.T.: -0.007 min
Response: 3412531
Conc: 21.09 ug/ml



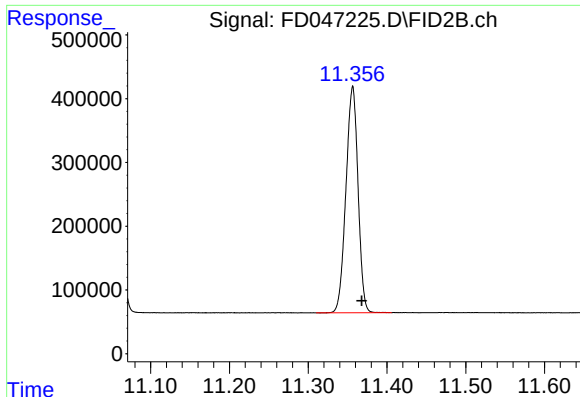
#7 n-Hexadecane (C16)

R.T.: 9.622 min
Delta R.T.: -0.009 min
Response: 3531869
Conc: 21.08 ug/ml



#8 n-Octadecane (C18)

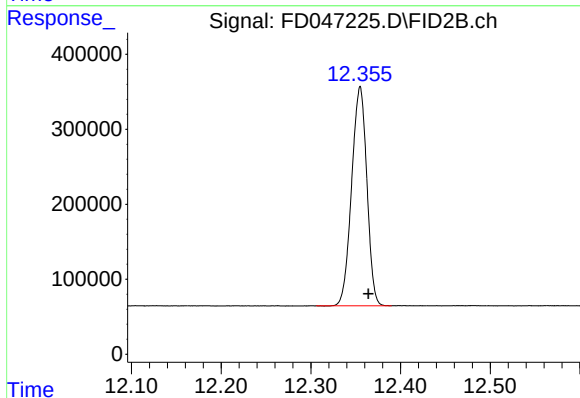
R.T.: 11.055 min
Delta R.T.: -0.011 min
Response: 3588970
Conc: 21.09 ug/ml



#9 ortho-Terphenyl (SURR)

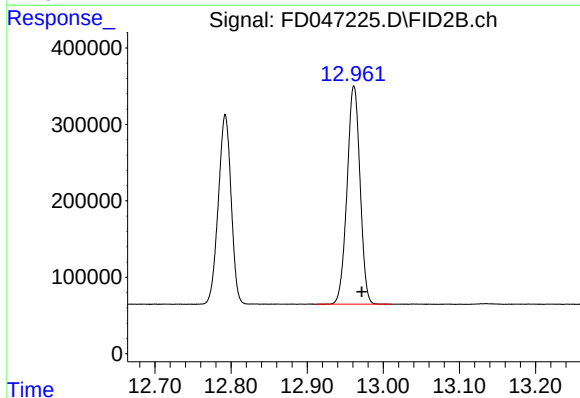
R.T.: 11.357 min
Delta R.T.: -0.012 min
Response: 3788552
Conc: 20.98 ug/ml

Instrument :
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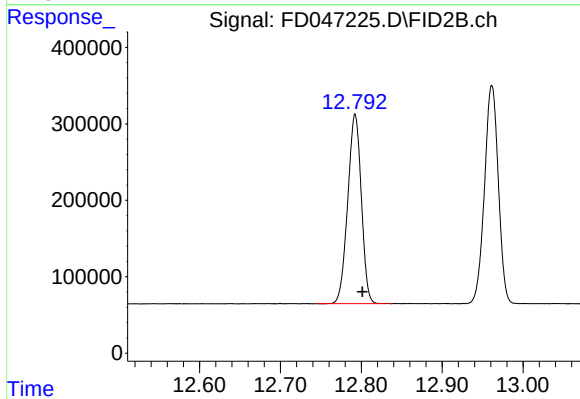
#10 n-Eicosane (C20)

R.T.: 12.355 min
Delta R.T.: -0.009 min
Response: 3443894
Conc: 20.92 ug/ml



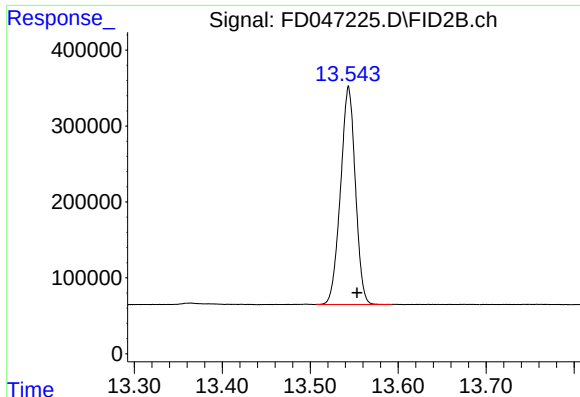
#11 n-Heneicosane (C21)

R.T.: 12.961 min
Delta R.T.: -0.010 min
Response: 3393951
Conc: 20.92 ug/ml



#12 1-chlorooctadecane (SURR)

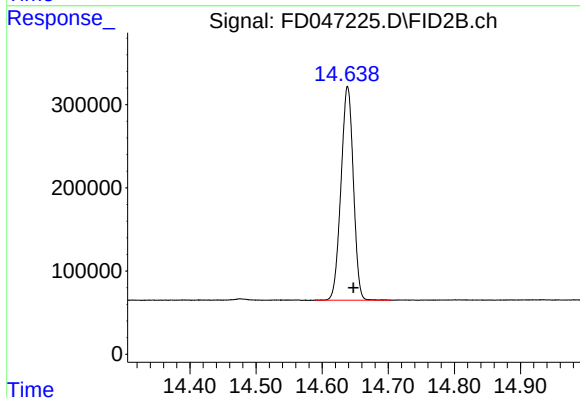
R.T.: 12.792 min
Delta R.T.: -0.009 min
Response: 2897063
Conc: 20.93 ug/ml



#13 n-Docosane (C22)

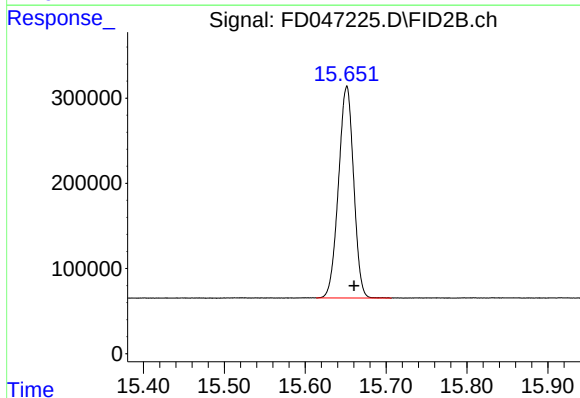
R.T.: 13.544 min
Delta R.T.: -0.010 min
Response: 3366821
Conc: 20.91 ug/ml

Instrument :
FID_D
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20 PPM ALIPHATIC HC STD



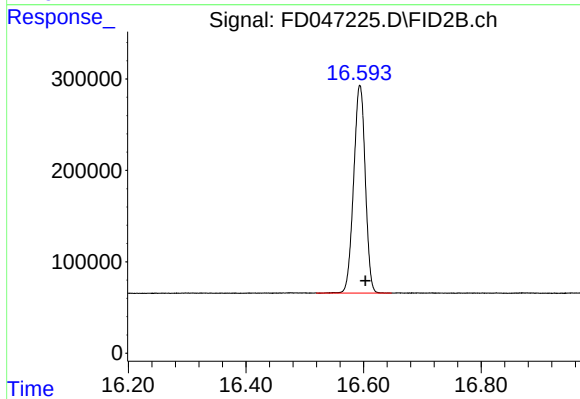
#14 n-Tetracosane (C24)

R.T.: 14.639 min
Delta R.T.: -0.009 min
Response: 3334420
Conc: 20.93 ug/ml



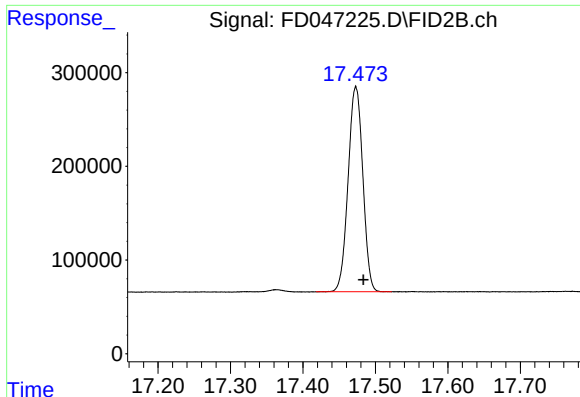
#15 n-Hexacosane (C26)

R.T.: 15.651 min
Delta R.T.: -0.009 min
Response: 3235598
Conc: 20.84 ug/ml



#16 n-Octacosane (C28)

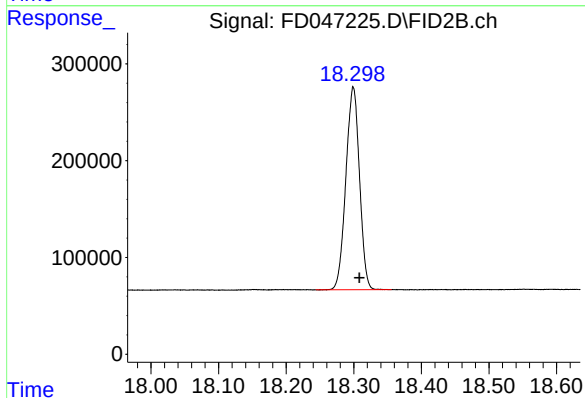
R.T.: 16.594 min
Delta R.T.: -0.009 min
Response: 3116911
Conc: 20.82 ug/ml



#17 n-Tricontane (C30)

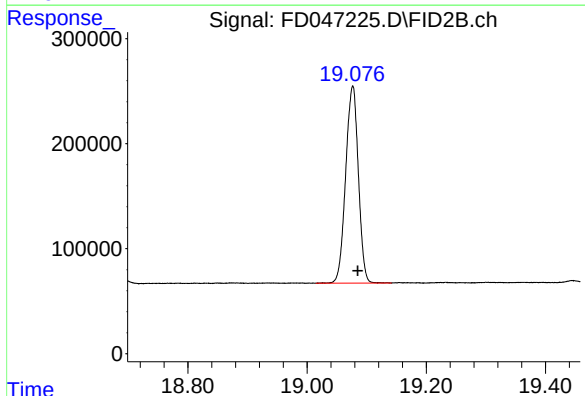
R.T.: 17.473 min
Delta R.T.: -0.010 min
Response: 3087101
Conc: 20.86 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



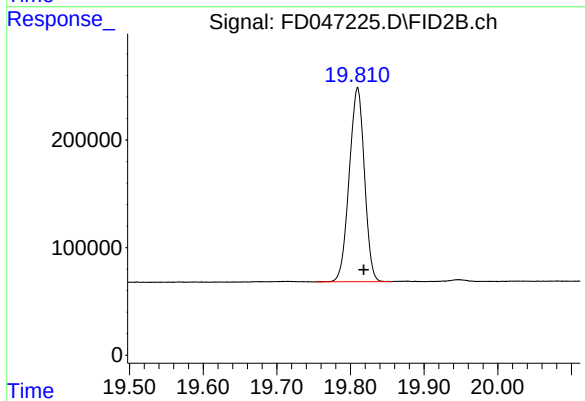
#18 n-Dotriacontane (C32)

R.T.: 18.299 min
Delta R.T.: -0.009 min
Response: 2938527
Conc: 20.84 ug/ml



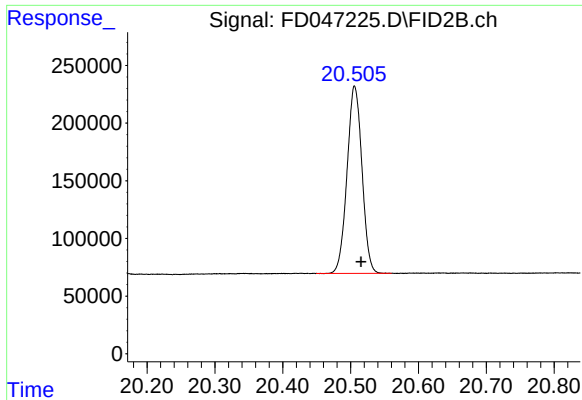
#19 n-Tetratriacontane (C34)

R.T.: 19.077 min
Delta R.T.: -0.008 min
Response: 2772728
Conc: 20.95 ug/ml



#20 n-Hexatriacontane (C36)

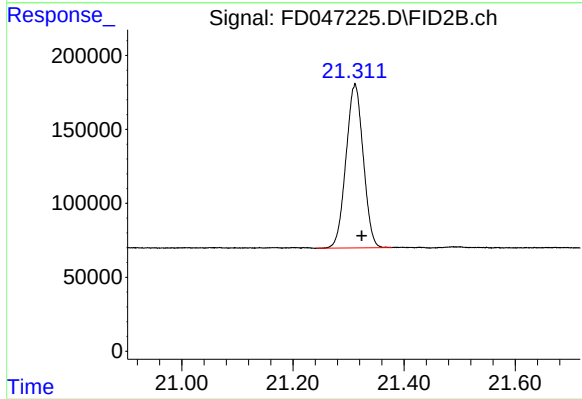
R.T.: 19.810 min
Delta R.T.: -0.008 min
Response: 2586428
Conc: 20.79 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.506 min
Delta R.T.: -0.010 min
Response: 2478079
Conc: 20.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.312 min
Delta R.T.: -0.012 min
Response: 2380893
Conc: 20.58 ug/ml