

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050823AL\
 Data File : FE041777.D
 Signal(s) : FID1B.ch
 Acq On : 08 May 2023 08:59
 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/09/2023
 Supervised By :Ankita Jodhani 05/09/2023

Integration File: autoint1.e
 Quant Time: May 09 01:40:18 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)	11.973	3888756	20.728 ug/ml
Spiked Amount 50.000		Recovery =	41.46%
12) S 1-chlorooctadecane (S...	13.409	2831982	20.047 ug/ml
Spiked Amount 50.000		Recovery =	40.09%
Target Compounds			
1) T n-Nonane (C9)	3.351	3068257	20.873 ug/ml
2) T n-Decane (C10)	4.605	3211197	21.411 ug/ml
3) T A~Naphthalene (C11.7)	6.311	3514043	21.234 ug/ml
4) T n-Dodecane (C12)	6.773	3245780	21.348 ug/ml
5) T A~2-methylnaphthalene...	7.408	3427723	21.258 ug/ml
6) T n-Tetradecane (C14)	8.602	3241958	21.342 ug/ml
7) T n-Hexadecane (C16)	10.211	3378926	21.173 ug/ml
8) T n-Octadecane (C18)	11.654	3438439	20.977 ug/ml
10) T n-Eicosane (C20)	12.965	3313530	20.601 ug/ml
11) T n-Heneicosane (C21)	13.577	3249608	20.390 ug/ml
13) T n-Docosane (C22)	14.164	3240664	20.339 ug/ml
14) T n-Tetracosane (C24)	15.266	3235649	20.070 ug/ml
15) T n-Hexacosane (C26)	16.289	3144661	19.891 ug/ml
16) T n-Octacosane (C28)	17.237	3104254	20.174 ug/ml
17) T n-Tricontane (C30)	18.125	3215579	21.113 ug/ml
18) T n-Dotriacontane (C32)	18.958	3189821	21.411 ug/ml
19) T n-Tetratriacontane (C34)	19.740	3029408	21.504 ug/mlm
20) T n-Hexatriacontane (C36)	20.481	2913742	21.788 ug/ml
21) T n-Octatriacontane (C38)	21.233	3001219	22.713 ug/ml
22) T n-Tetracontane (C40)	22.172	2884532	22.783 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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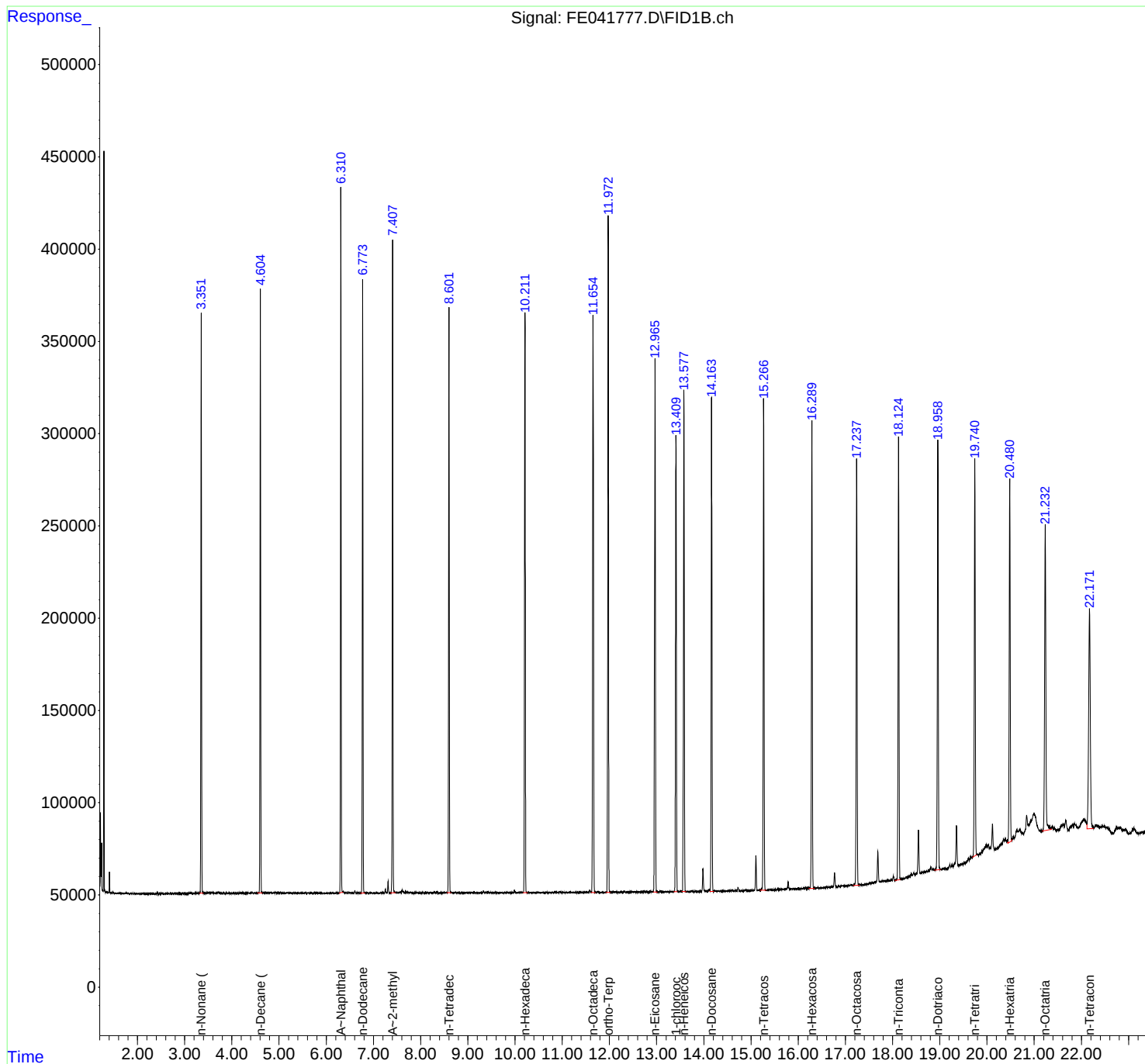
Instrument :
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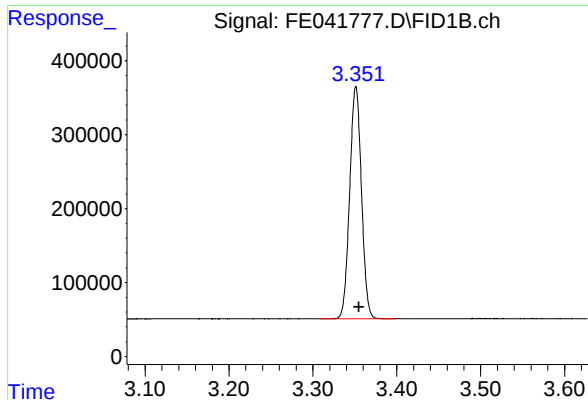
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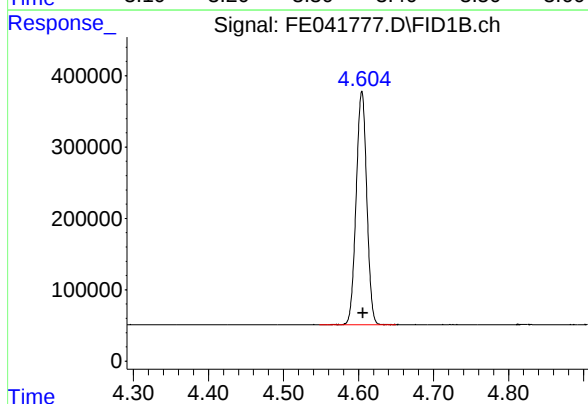
#1 n-Nonane (C9)

R.T.: 3.351 min
Delta R.T.: -0.004 min
Response: 3068257
Conc: 20.87 ug/ml

Instrument : FID_E
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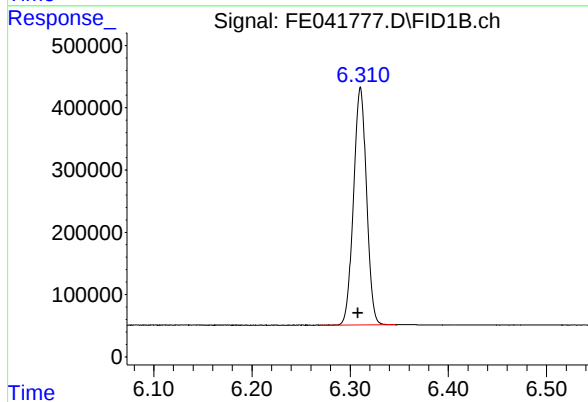
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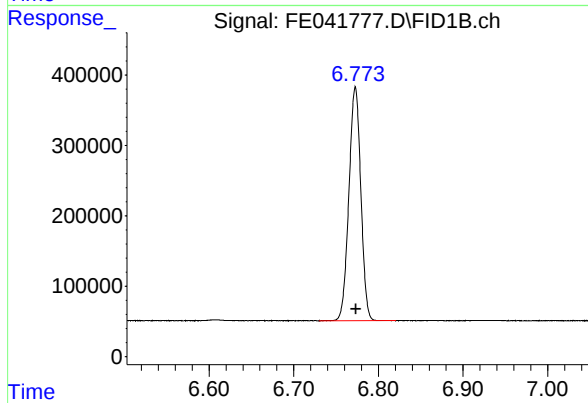
#2 n-Decane (C10)

R.T.: 4.605 min
Delta R.T.: -0.001 min
Response: 3211197
Conc: 21.41 ug/ml



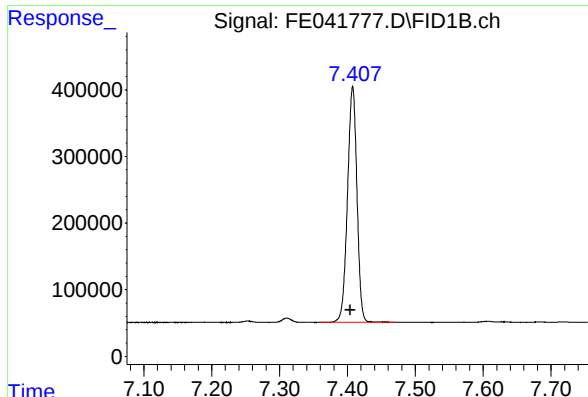
#3 A~Naphthalene (C11.7)

R.T.: 6.311 min
Delta R.T.: 0.002 min
Response: 3514043
Conc: 21.23 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.773 min
Delta R.T.: 0.000 min
Response: 3245780
Conc: 21.35 ug/ml



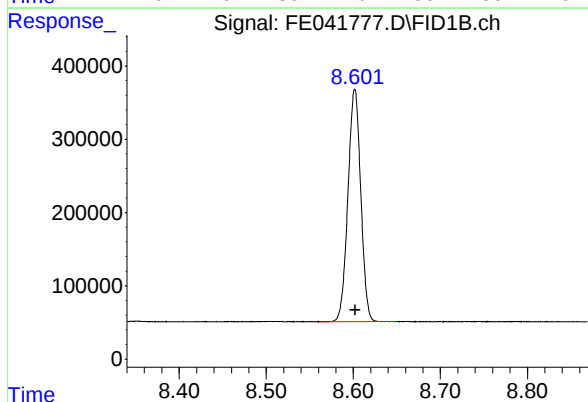
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.408 min
Delta R.T.: 0.003 min
Response: 3427723
Conc: 21.26 ug/ml

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20 PPM ALIPHATIC HC STD

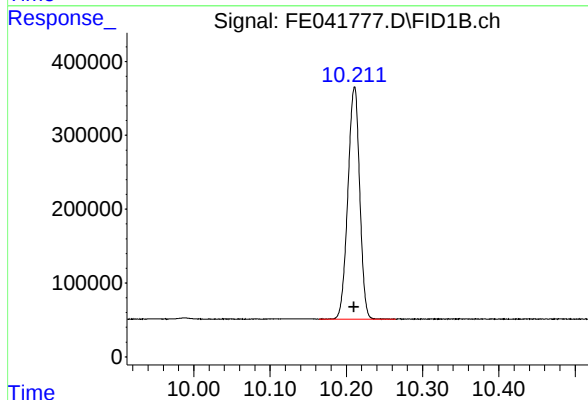
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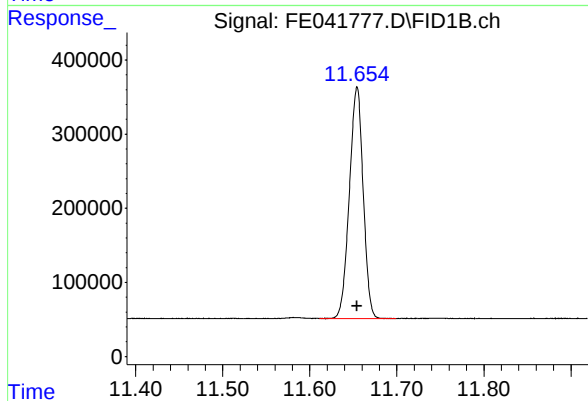
#6 n-Tetradecane (C14)

R.T.: 8.602 min
Delta R.T.: 0.000 min
Response: 3241958
Conc: 21.34 ug/ml



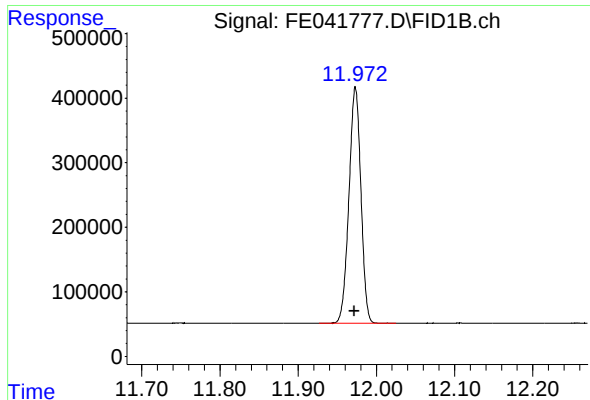
#7 n-Hexadecane (C16)

R.T.: 10.211 min
Delta R.T.: 0.000 min
Response: 3378926
Conc: 21.17 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.654 min
Delta R.T.: 0.000 min
Response: 3438439
Conc: 20.98 ug/ml



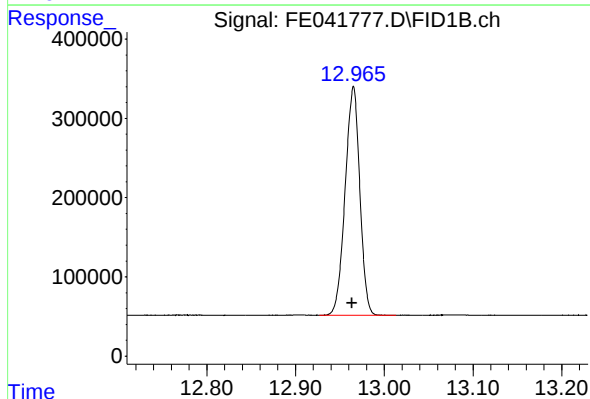
#9 ortho-Terphenyl (SURR)

R.T.: 11.973 min
Delta R.T.: 0.002 min
Response: 3888756
Conc: 20.73 ug/ml

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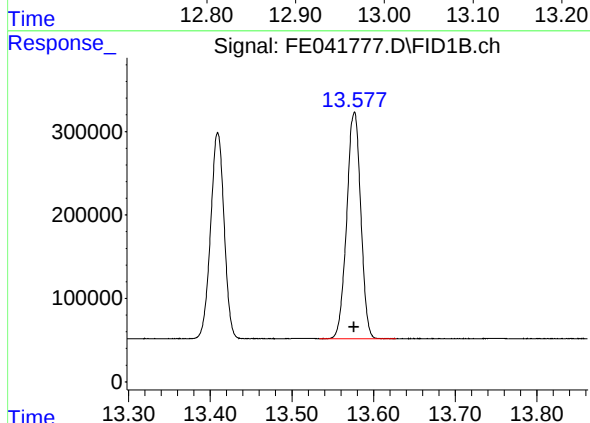
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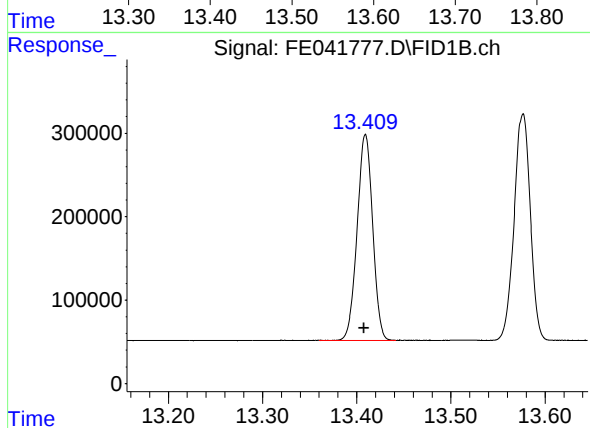
#10 n-Eicosane (C20)

R.T.: 12.965 min
Delta R.T.: 0.002 min
Response: 3313530
Conc: 20.60 ug/ml



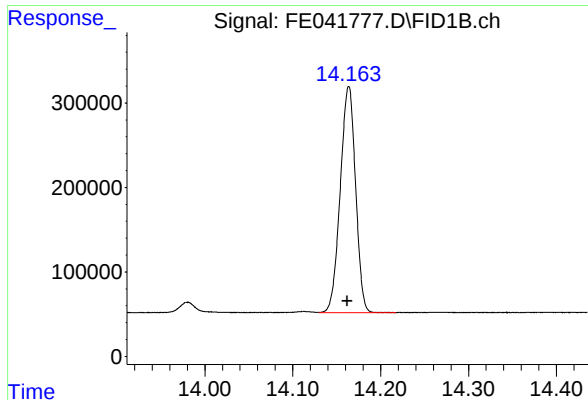
#11 n-Heneicosane (C21)

R.T.: 13.577 min
Delta R.T.: 0.000 min
Response: 3249608
Conc: 20.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.409 min
Delta R.T.: 0.002 min
Response: 2831982
Conc: 20.05 ug/ml



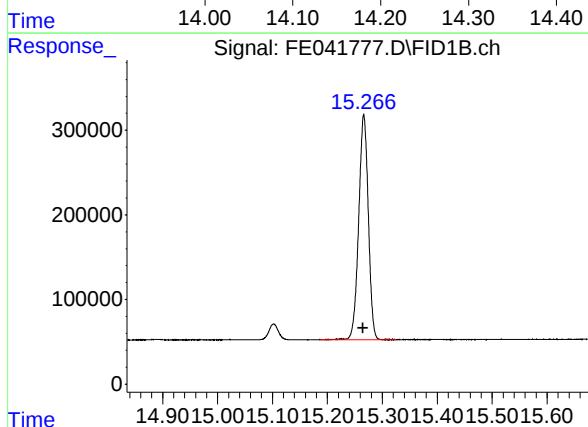
#13 n-Docosane (C22)

R.T.: 14.164 min
Delta R.T.: 0.002 min
Response: 3240664
Conc: 20.34 ug/ml

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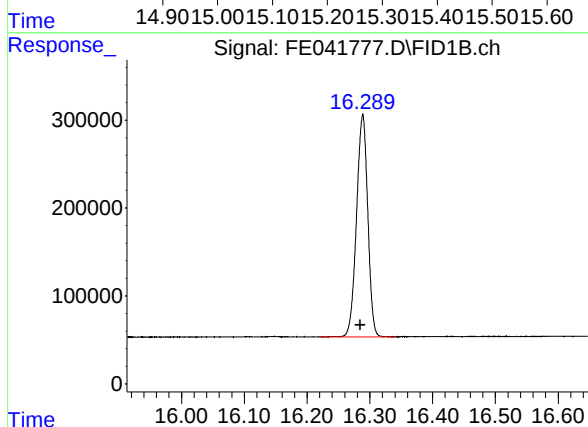
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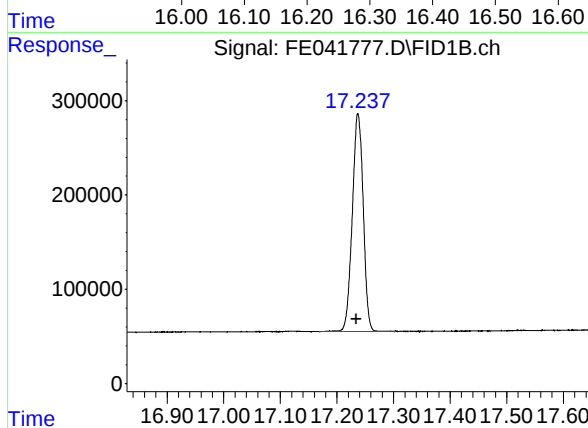
#14 n-Tetracosane (C24)

R.T.: 15.266 min
Delta R.T.: 0.001 min
Response: 3235649
Conc: 20.07 ug/ml



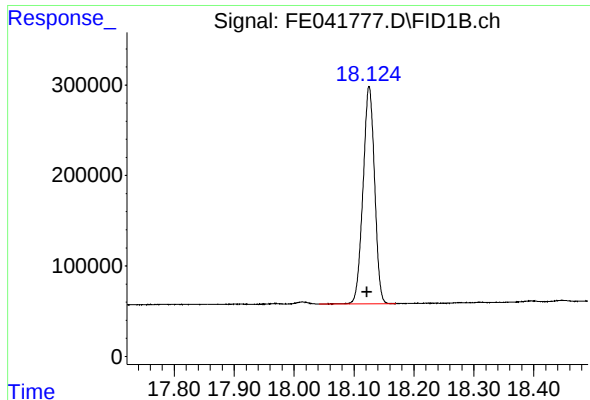
#15 n-Hexacosane (C26)

R.T.: 16.289 min
Delta R.T.: 0.004 min
Response: 3144661
Conc: 19.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.237 min
Delta R.T.: 0.003 min
Response: 3104254
Conc: 20.17 ug/ml



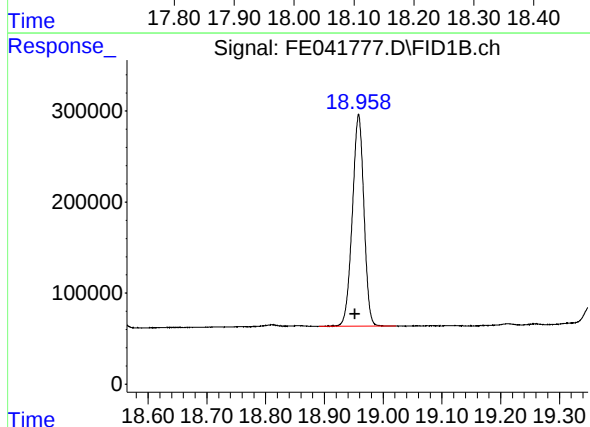
#17 n-Tricontane (C30)

R.T.: 18.125 min
Delta R.T.: 0.004 min
Response: 3215579
Conc: 21.11 ug/ml

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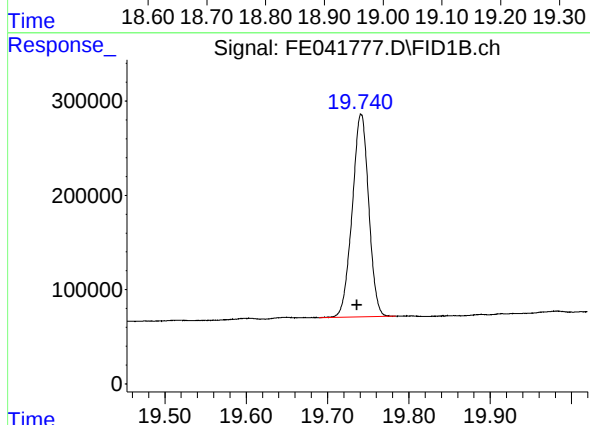
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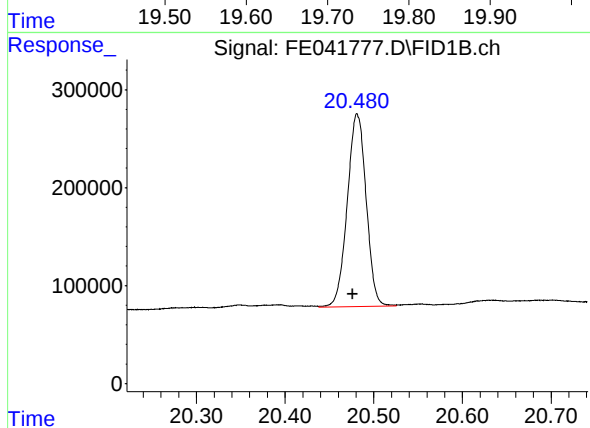
#18 n-Dotriacontane (C32)

R.T.: 18.958 min
Delta R.T.: 0.006 min
Response: 3189821
Conc: 21.41 ug/ml



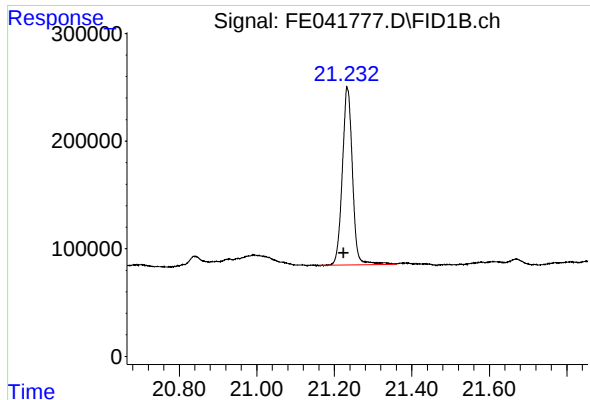
#19 n-Tetratriacontane (C34)

R.T.: 19.740 min
Delta R.T.: 0.004 min
Response: 3029408
Conc: 21.50 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.481 min
Delta R.T.: 0.005 min
Response: 2913742
Conc: 21.79 ug/ml



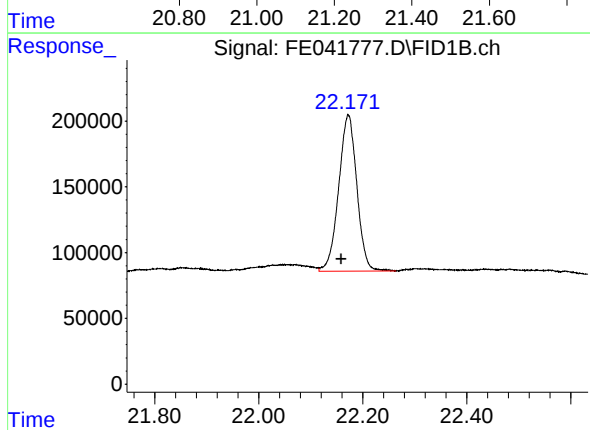
#21 n-Octatriacontane (C38)

R.T.: 21.233 min
Delta R.T.: 0.009 min
Response: 3001219
Conc: 22.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.172 min
Delta R.T.: 0.014 min
Response: 2884532
Conc: 22.78 ug/ml