

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081722AL\
 Data File : FE037150.D
 Signal(s) : FID1B.ch
 Acq On : 18 Aug 2022 07:18
 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 08/18/2022
 Supervised By :Ankita Jodhani 08/18/2022

Integration File: autoint1.e
 Quant Time: Aug 18 07:40:03 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081222.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 12 07:36:15 2022
 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)	11.817	3402927	18.501 ug/ml
Spiked Amount 50.000		Recovery =	37.00%
12) S 1-chlorooctadecane (S...	13.257	2675538	18.332 ug/ml
Spiked Amount 50.000		Recovery =	36.66%
Target Compounds			
1) T n-Nonane (C9)	3.209	3061372	19.918 ug/ml
2) T n-Decane (C10)	4.463	3075478	20.122 ug/ml
3) T A~Naphthalene (C11.7)	6.165	3300985	20.062 ug/ml
4) T n-Dodecane (C12)	6.632	3133909	20.066 ug/ml
5) T A~2-methylnaphthalene...	7.261	3275701	20.183 ug/ml
6) T n-Tetradecane (C14)	8.458	3136207	19.846 ug/ml
7) T n-Hexadecane (C16)	10.064	3130923	19.686 ug/ml
8) T n-Octadecane (C18)	11.506	3145977	19.162 ug/ml
10) T n-Eicosane (C20)	12.814	3053521	18.599 ug/ml
11) T n-Heneicosane (C21)	13.425	3023913	18.399 ug/ml
13) T n-Docosane (C22)	14.010	2964259	18.218 ug/ml
14) T n-Tetracosane (C24)	15.112	2871274	17.765 ug/ml
15) T n-Hexacosane (C26)	16.131	2768555	17.454 ug/ml
16) T n-Octacosane (C28)	17.082	2710809	17.440 ug/ml
17) T n-Tricontane (C30)	17.969	2643094	18.123 ug/ml
18) T n-Dotriacontane (C32)	18.803	2189143	18.838 ug/ml
19) T n-Tetratriacontane (C34)	19.585	1608947	19.524 ug/mlm
20) T n-Hexatriacontane (C36)	20.327	1231452	20.384 ug/ml
21) T n-Octatriacontane (C38)	21.047	985507	19.324 ug/mlm
22) T n-Tetracontane (C40)	21.919	1104924	22.956 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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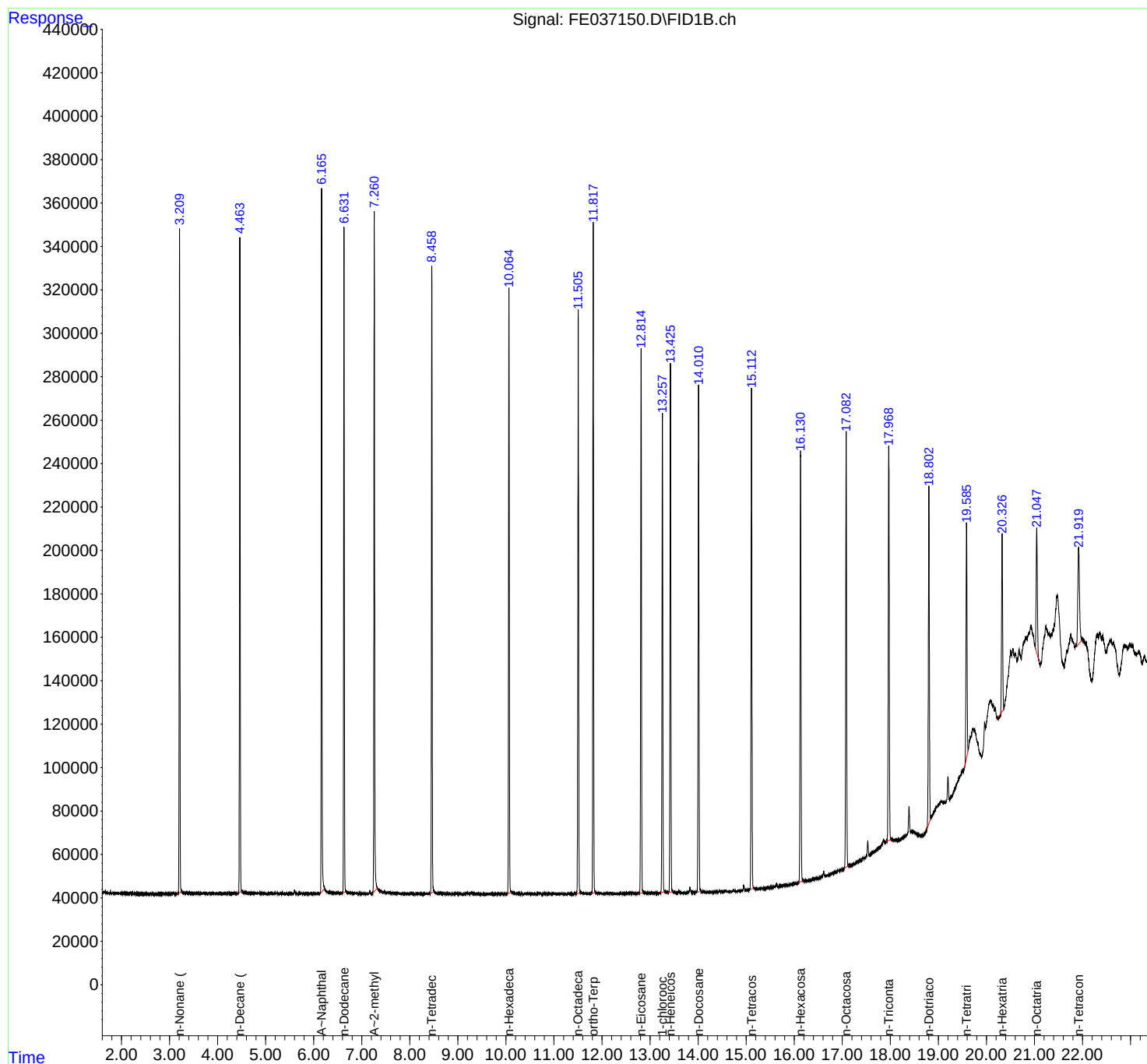
Instrument :
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20 PPM ALIPHATIC HC STD

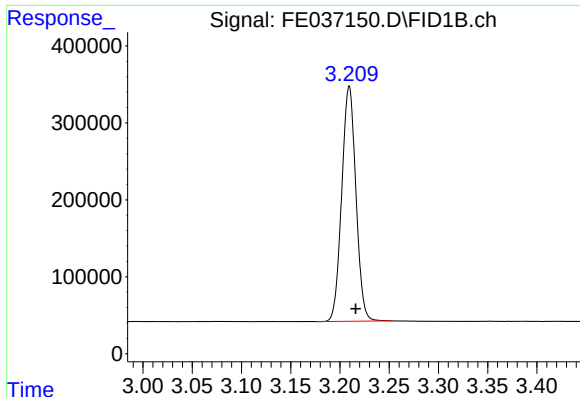
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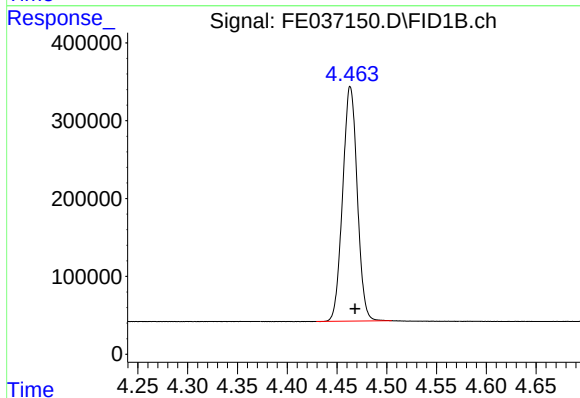
#1 n-Nonane (C9)

R.T.: 3.209 min
Delta R.T.: -0.007 min
Response: 3061372
Conc: 19.92 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

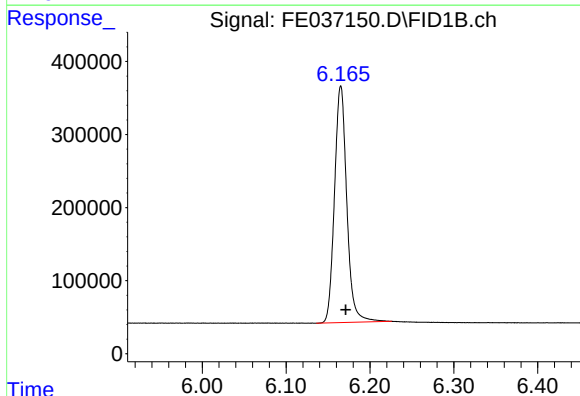
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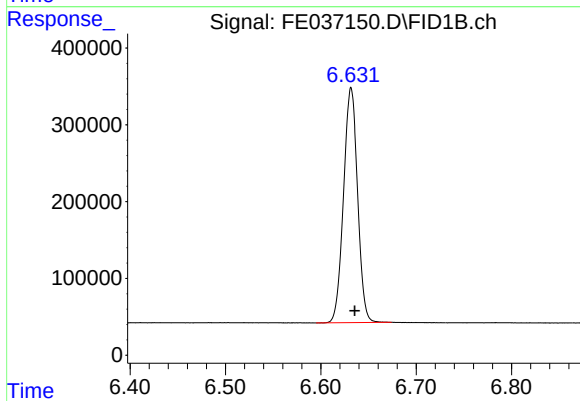
#2 n-Decane (C10)

R.T.: 4.463 min
Delta R.T.: -0.005 min
Response: 3075478
Conc: 20.12 ug/ml



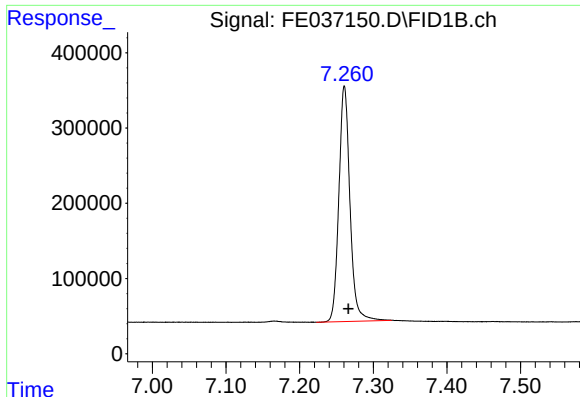
#3 A~Naphthalene (C11.7)

R.T.: 6.165 min
Delta R.T.: -0.006 min
Response: 3300985
Conc: 20.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.632 min
Delta R.T.: -0.004 min
Response: 3133909
Conc: 20.07 ug/ml



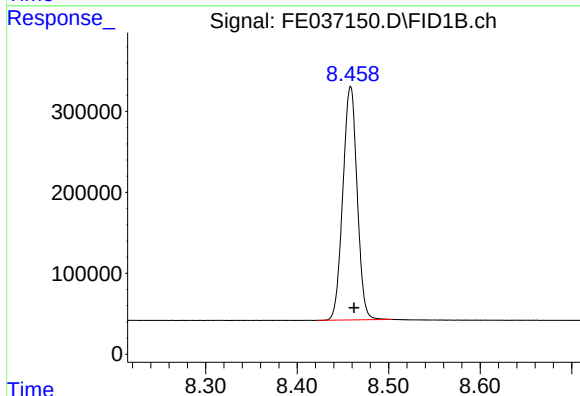
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.261 min
Delta R.T.: -0.005 min
Response: 3275701
Conc: 20.18 ug/ml

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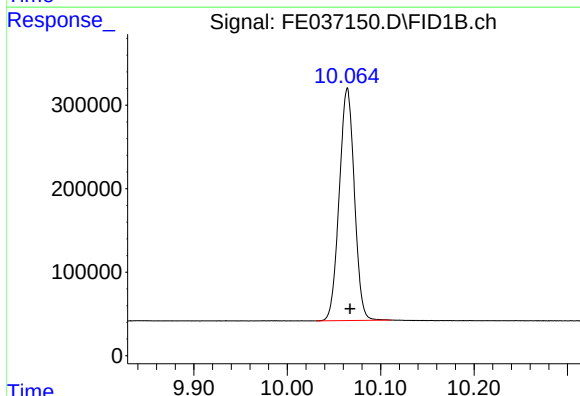
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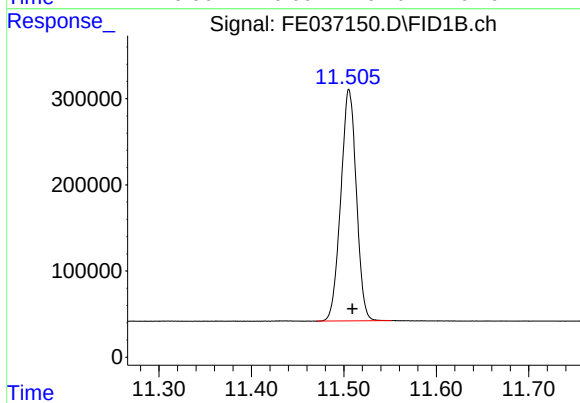
#6 n-Tetradecane (C14)

R.T.: 8.458 min
Delta R.T.: -0.004 min
Response: 3136207
Conc: 19.85 ug/ml



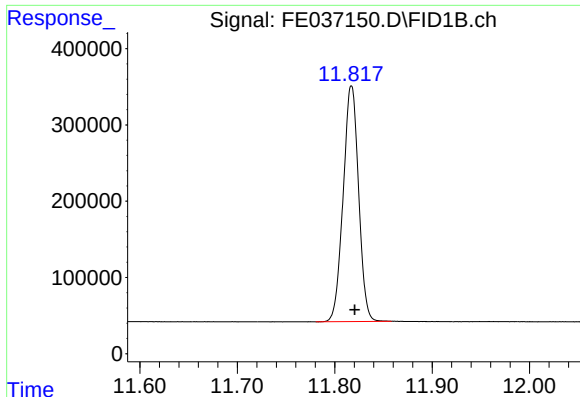
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.003 min
Response: 3130923
Conc: 19.69 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.506 min
Delta R.T.: -0.004 min
Response: 3145977
Conc: 19.16 ug/ml



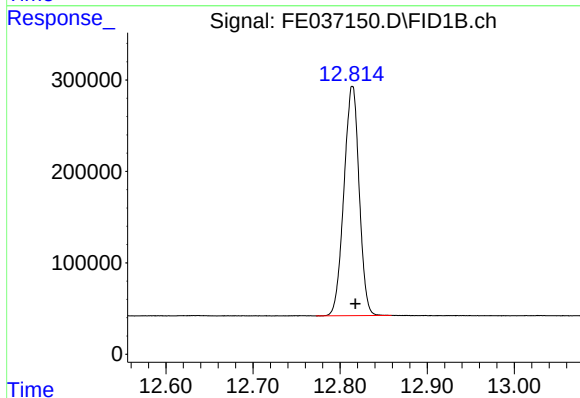
#9 ortho-Terphenyl (SURR)

R.T.: 11.817 min
Delta R.T.: -0.003 min
Response: 3402927
Conc: 18.50 ug/ml

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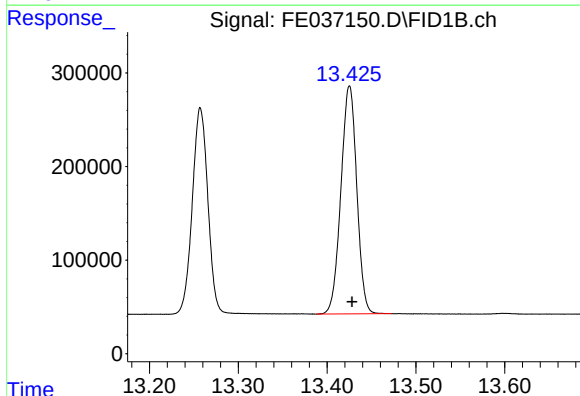
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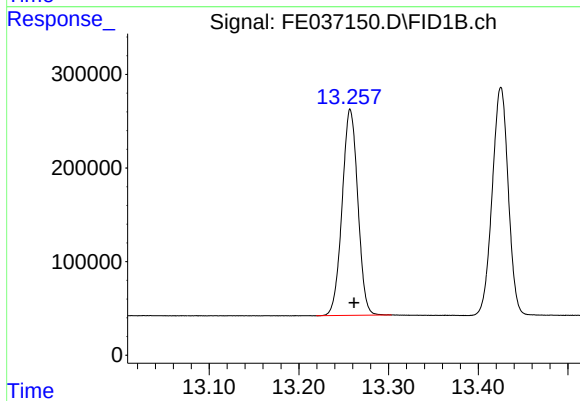
#10 n-Eicosane (C20)

R.T.: 12.814 min
Delta R.T.: -0.003 min
Response: 3053521
Conc: 18.60 ug/ml



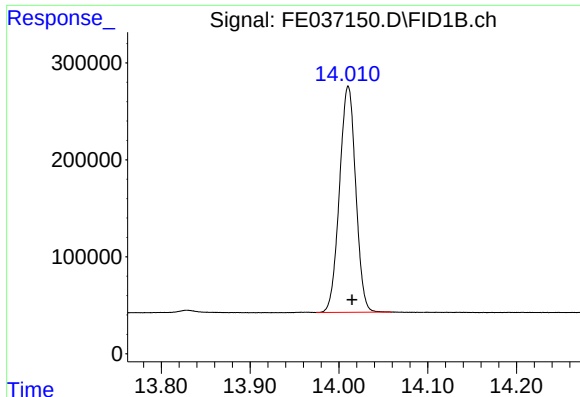
#11 n-Heneicosane (C21)

R.T.: 13.425 min
Delta R.T.: -0.003 min
Response: 3023913
Conc: 18.40 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.257 min
Delta R.T.: -0.004 min
Response: 2675538
Conc: 18.33 ug/ml



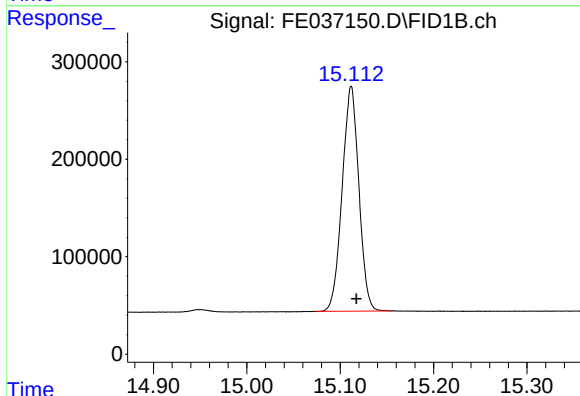
#13 n-Docosane (C22)

R.T.: 14.010 min
Delta R.T.: -0.004 min
Response: 2964259
Conc: 18.22 ug/ml

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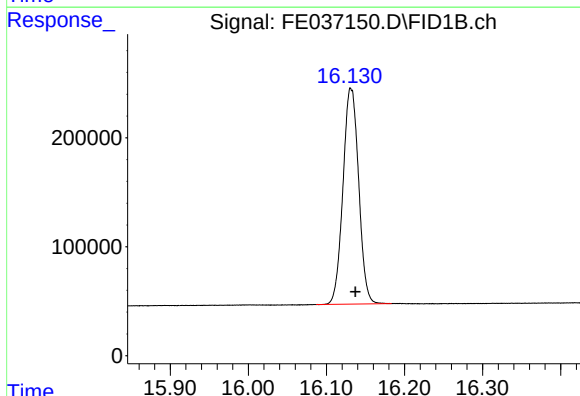
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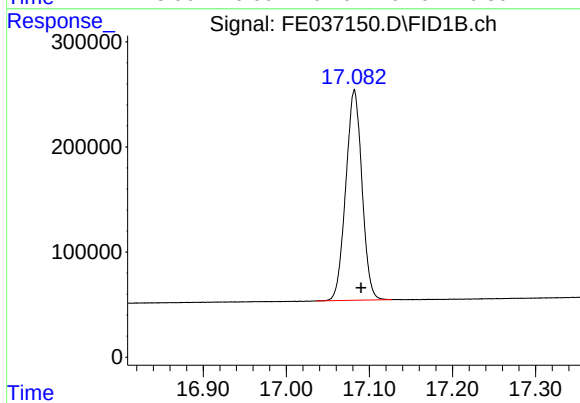
#14 n-Tetracosane (C24)

R.T.: 15.112 min
Delta R.T.: -0.005 min
Response: 2871274
Conc: 17.77 ug/ml



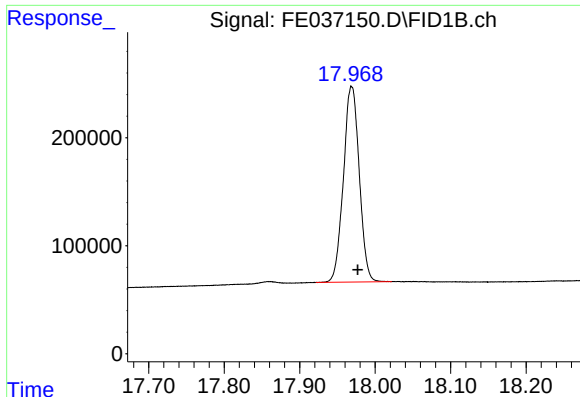
#15 n-Hexacosane (C26)

R.T.: 16.131 min
Delta R.T.: -0.006 min
Response: 2768555
Conc: 17.45 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.082 min
Delta R.T.: -0.008 min
Response: 2710809
Conc: 17.44 ug/ml



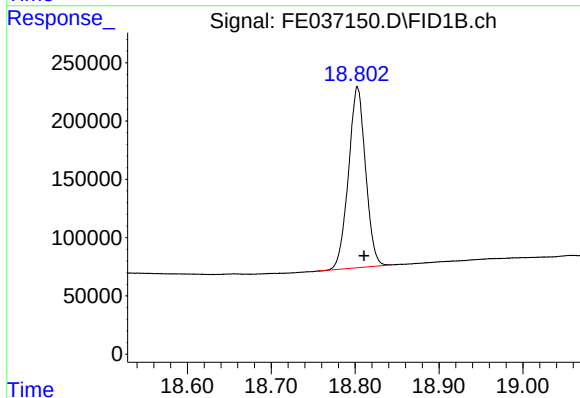
#17 n-Tricontane (C30)

R.T.: 17.969 min
Delta R.T.: -0.008 min
Response: 2643094
Conc: 18.12 ug/ml

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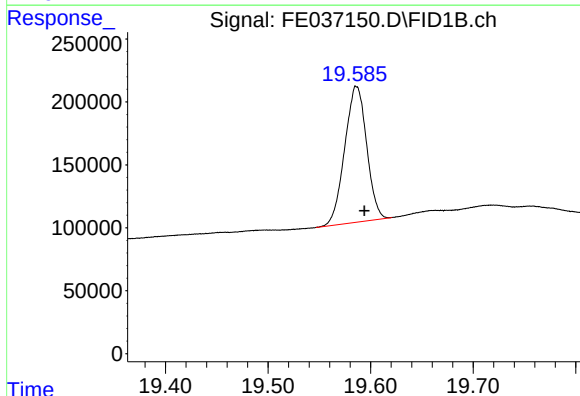
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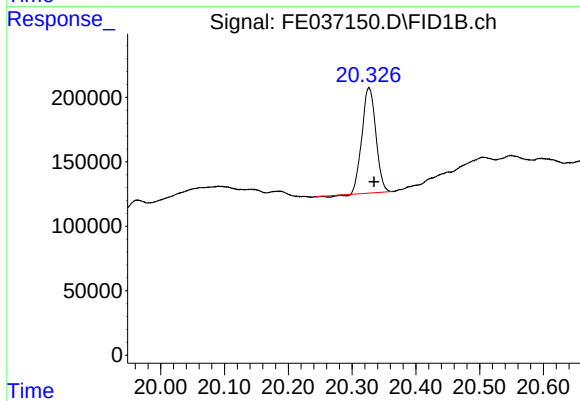
#18 n-Dotriacontane (C32)

R.T.: 18.803 min
Delta R.T.: -0.008 min
Response: 2189143
Conc: 18.84 ug/ml



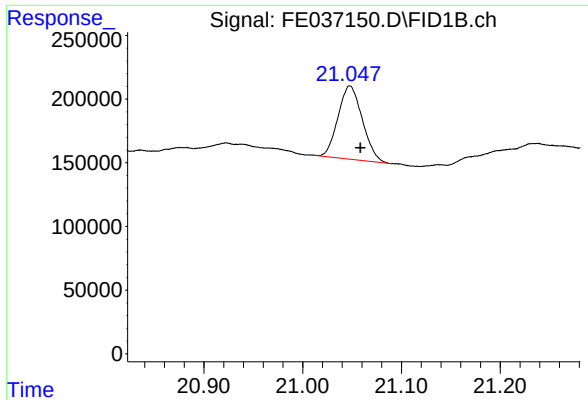
#19 n-Tetratriacontane (C34)

R.T.: 19.585 min
Delta R.T.: -0.009 min
Response: 1608947
Conc: 19.52 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.327 min
Delta R.T.: -0.008 min
Response: 1231452
Conc: 20.38 ug/ml



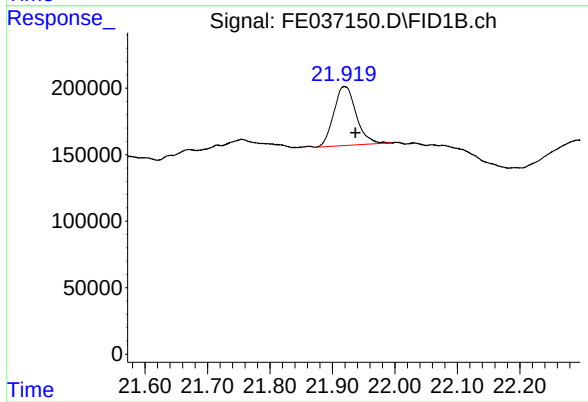
#21 n-Octatriacontane (C38)

R.T.: 21.047 min
Delta R.T.: -0.012 min
Response: 985507
Conc: 19.32 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.919 min
Delta R.T.: -0.018 min
Response: 1104924
Conc: 22.96 ug/ml m