

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091823AL\
 Data File : FE044328.D
 Signal(s) : FID1B.ch
 Acq On : 18 Sep 2023 09:51
 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 09/18/2023
 Supervised By :Ankita Jodhani 09/18/2023

Integration File: autoint1.e
 Quant Time: Sep 18 10:15:42 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 083023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 31 03:37:37 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)	11.932	3544638	18.710 ug/ml
Spiked Amount 50.000		Recovery =	37.42%
12) S 1-chlorooctadecane (S...	13.372	2631624	19.049 ug/ml
Spiked Amount 50.000		Recovery =	38.10%
Target Compounds			
1) T n-Nonane (C9)	3.317	2965846	18.181 ug/ml
2) T n-Decane (C10)	4.569	3019757	18.168 ug/ml
3) T A~Naphthalene (C11.7)	6.271	3269658	18.259 ug/ml
4) T n-Dodecane (C12)	6.733	3052341	18.150 ug/ml
5) T A~2-methylnaphthalene...	7.367	3187005	18.590 ug/ml
6) T n-Tetradecane (C14)	8.560	3030821	18.072 ug/ml
7) T n-Hexadecane (C16)	10.170	3078067	17.809 ug/ml
8) T n-Octadecane (C18)	11.615	3072104	17.649 ug/ml
10) T n-Eicosane (C20)	12.926	2959394	17.891 ug/ml
11) T n-Heneicosane (C21)	13.538	2900715	17.933 ug/ml
13) T n-Docosane (C22)	14.126	2850328	17.841 ug/ml
14) T n-Tetracosane (C24)	15.230	2780053	17.778 ug/ml
15) T n-Hexacosane (C26)	16.253	2694098	17.871 ug/ml
16) T n-Octacosane (C28)	17.204	2629361	18.220 ug/ml
17) T n-Tricontane (C30)	18.093	2731391	18.801 ug/ml
18) T n-Dotriacontane (C32)	18.928	2752504	19.323 ug/ml
19) T n-Tetratriacontane (C34)	19.713	2823991	20.180 ug/ml
20) T n-Hexatriacontane (C36)	20.454	2793781	20.379 ug/mlm
21) T n-Octatriacontane (C38)	21.198	2720593	19.599 ug/mlm
22) T n-Tetracontane (C40)	22.125	3092999	22.371 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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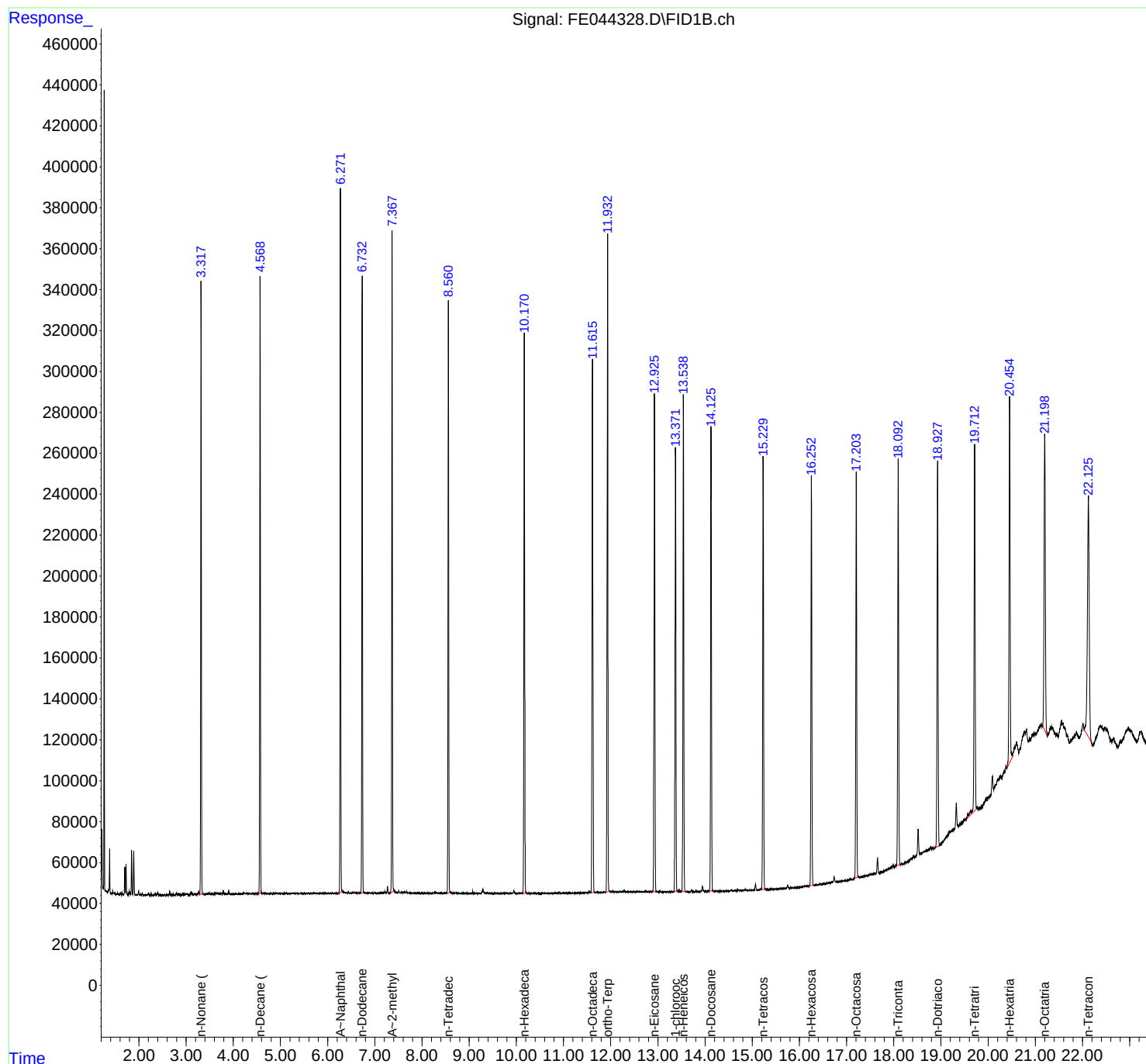
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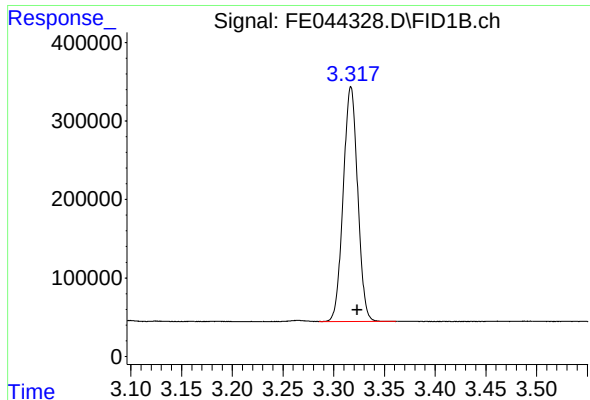
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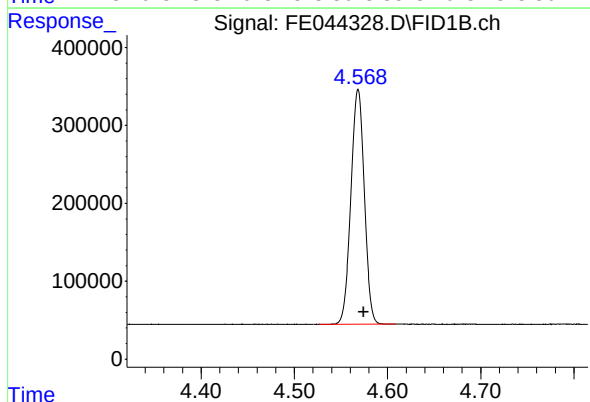
#1 n-Nonane (C9)

R.T.: 3.317 min
Delta R.T.: -0.006 min
Response: 2965846
Conc: 18.18 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

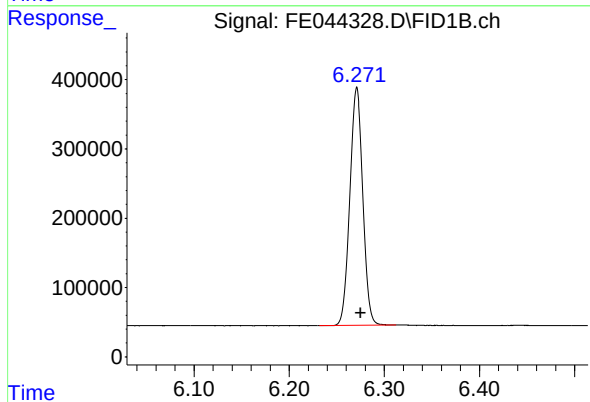
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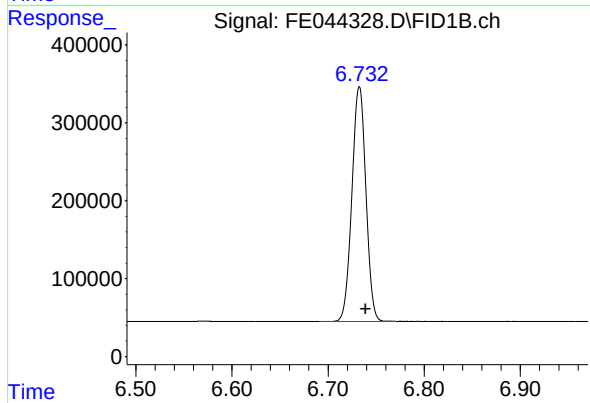
#2 n-Decane (C10)

R.T.: 4.569 min
Delta R.T.: -0.006 min
Response: 3019757
Conc: 18.17 ug/ml



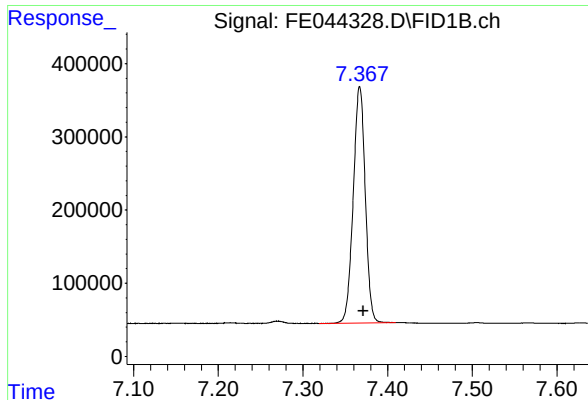
#3 A~Naphthalene (C11.7)

R.T.: 6.271 min
Delta R.T.: -0.004 min
Response: 3269658
Conc: 18.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.733 min
Delta R.T.: -0.006 min
Response: 3052341
Conc: 18.15 ug/ml



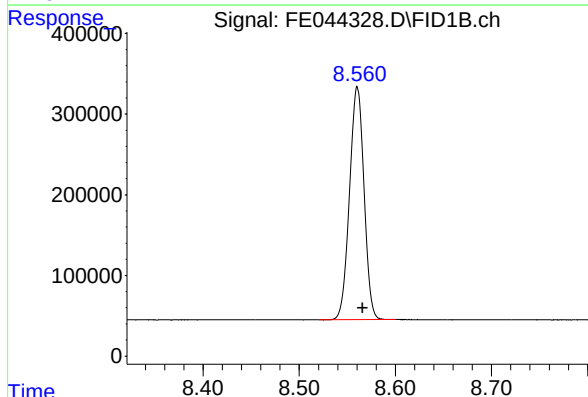
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.367 min
Delta R.T.: -0.004 min
Response: 3187005
Conc: 18.59 ug/ml

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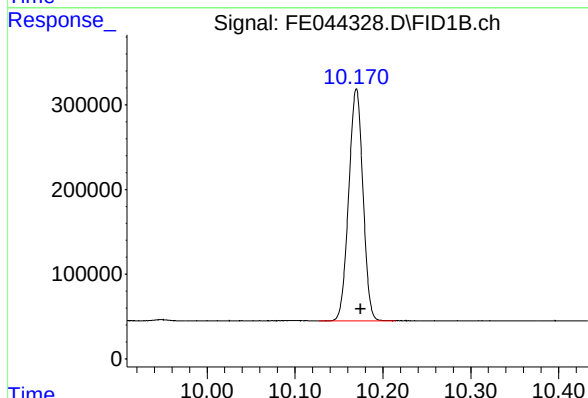
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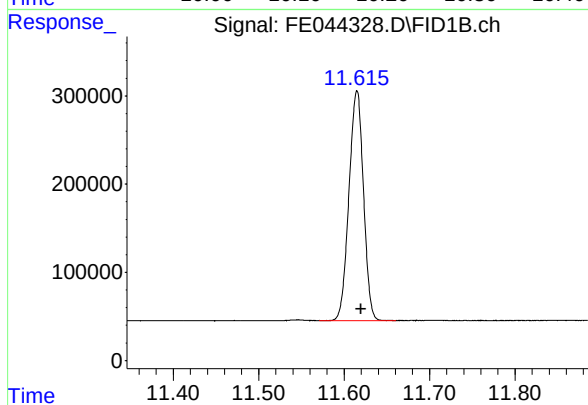
#6 n-Tetradecane (C14)

R.T.: 8.560 min
Delta R.T.: -0.005 min
Response: 3030821
Conc: 18.07 ug/ml



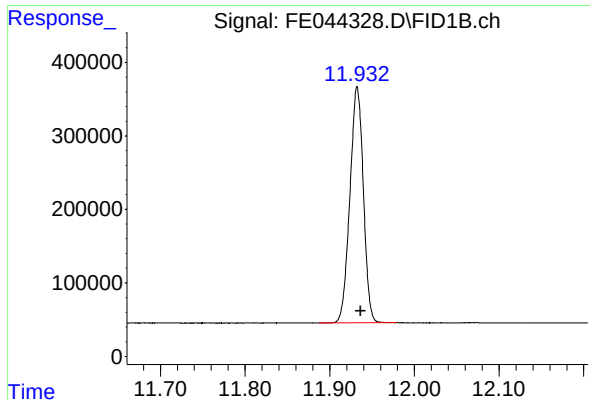
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: -0.005 min
Response: 3078067
Conc: 17.81 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.615 min
Delta R.T.: -0.005 min
Response: 3072104
Conc: 17.65 ug/ml



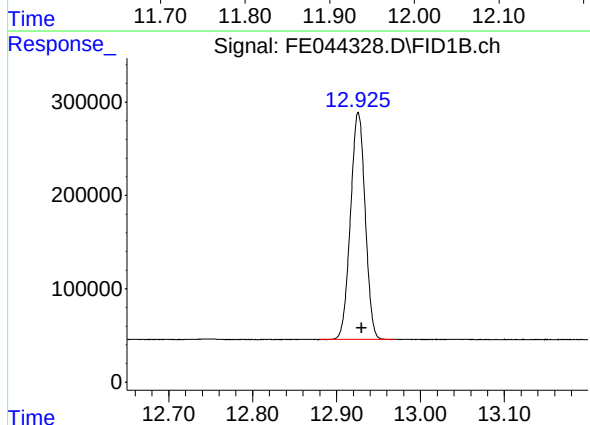
#9 ortho-Terphenyl (SURR)

R.T.: 11.932 min
Delta R.T.: -0.004 min
Response: 3544638
Conc: 18.71 ug/ml

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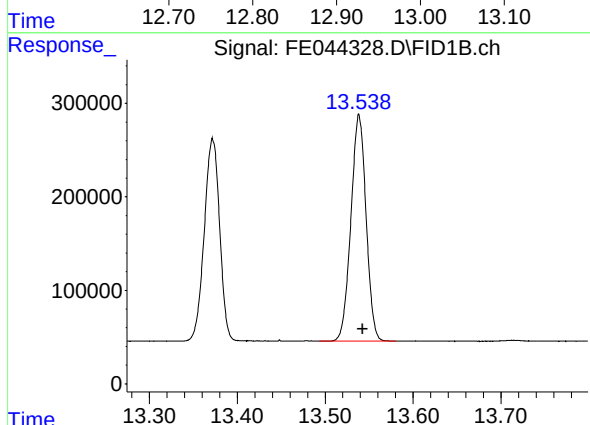
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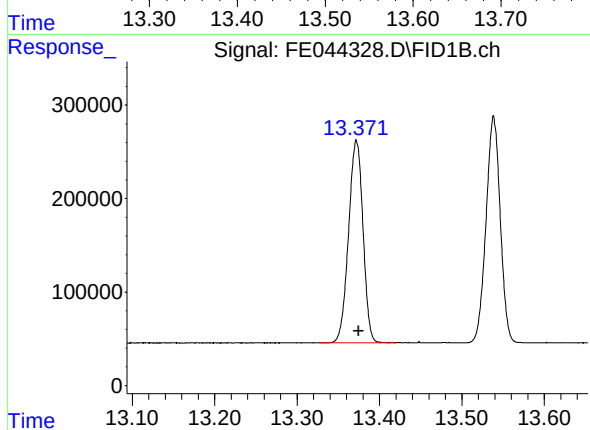
#10 n-Eicosane (C20)

R.T.: 12.926 min
Delta R.T.: -0.004 min
Response: 2959394
Conc: 17.89 ug/ml



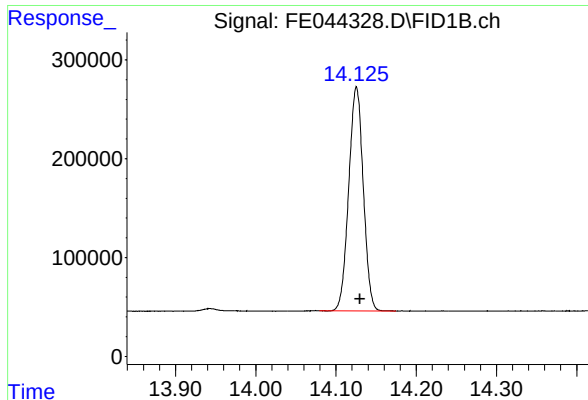
#11 n-Heneicosane (C21)

R.T.: 13.538 min
Delta R.T.: -0.004 min
Response: 2900715
Conc: 17.93 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.372 min
Delta R.T.: -0.003 min
Response: 2631624
Conc: 19.05 ug/ml



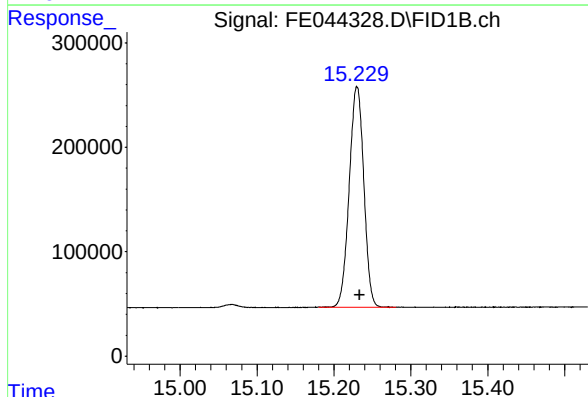
#13 n-Docosane (C22)

R.T.: 14.126 min
Delta R.T.: -0.005 min
Response: 2850328
Conc: 17.84 ug/ml

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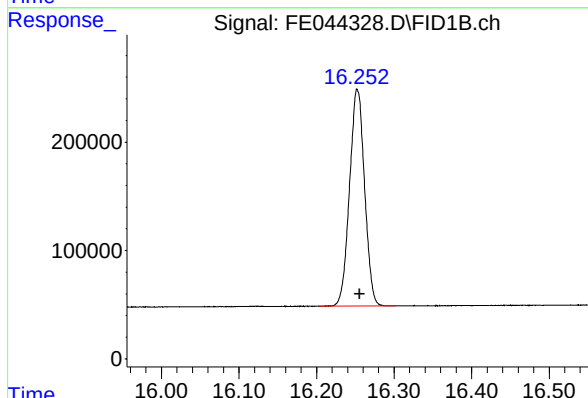
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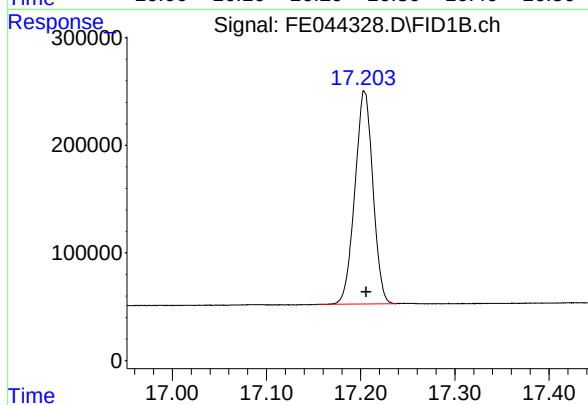
#14 n-Tetracosane (C24)

R.T.: 15.230 min
Delta R.T.: -0.004 min
Response: 2780053
Conc: 17.78 ug/ml



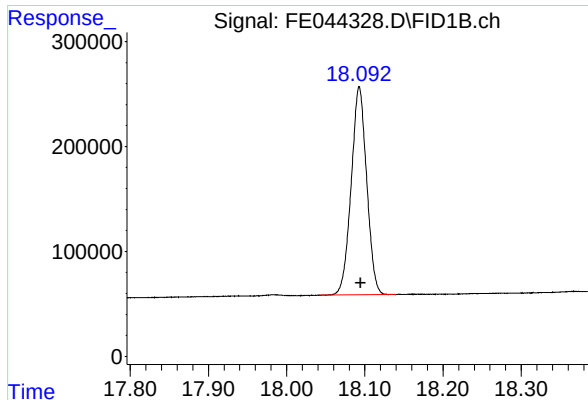
#15 n-Hexacosane (C26)

R.T.: 16.253 min
Delta R.T.: -0.003 min
Response: 2694098
Conc: 17.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.204 min
Delta R.T.: -0.002 min
Response: 2629361
Conc: 18.22 ug/ml



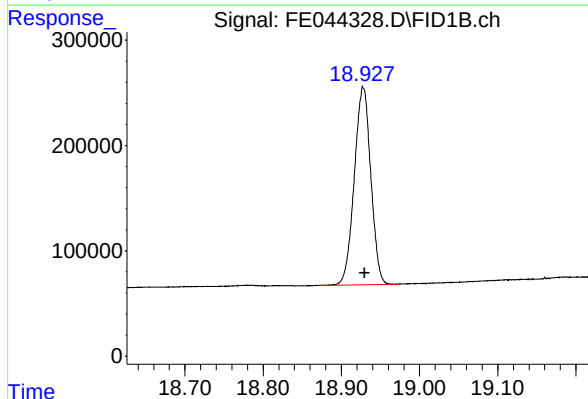
#17 n-Tricontane (C30)

R.T.: 18.093 min
Delta R.T.: -0.002 min
Response: 2731391
Conc: 18.80 ug/ml

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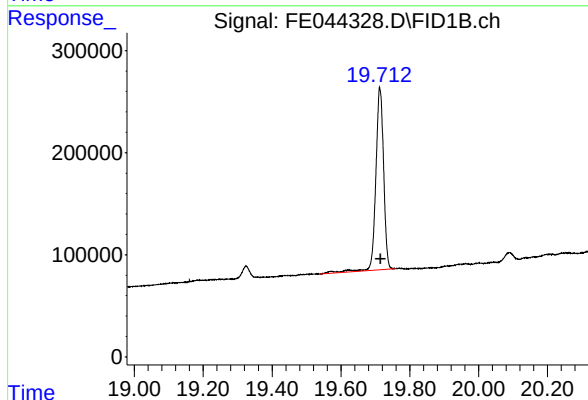
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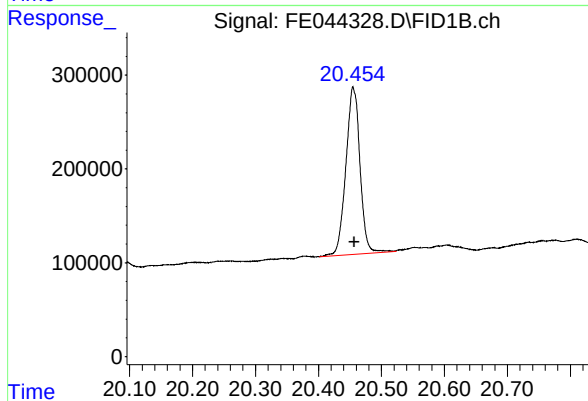
#18 n-Dotriacontane (C32)

R.T.: 18.928 min
Delta R.T.: -0.001 min
Response: 2752504
Conc: 19.32 ug/ml



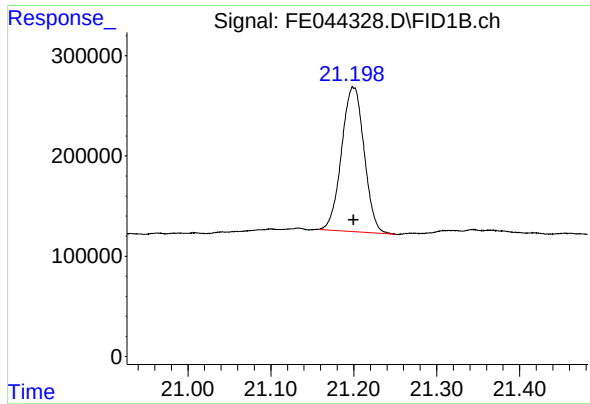
#19 n-Tetatriacontane (C34)

R.T.: 19.713 min
Delta R.T.: -0.002 min
Response: 2823991
Conc: 20.18 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.454 min
Delta R.T.: -0.002 min
Response: 2793781
Conc: 20.38 ug/ml m



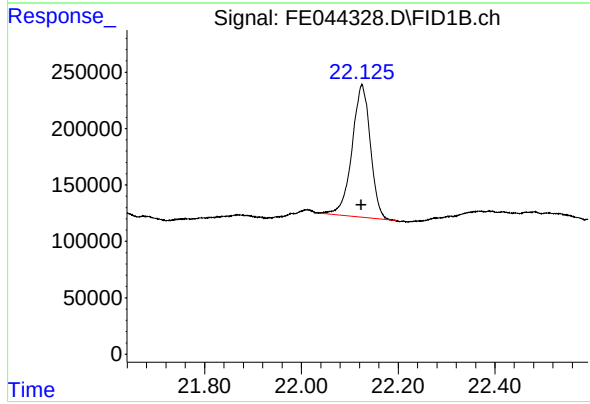
#21 n-Octatriacontane (C38)

R.T.: 21.198 min
Delta R.T.: -0.002 min
Response: 2720593
Conc: 19.60 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.125 min
Delta R.T.: 0.001 min
Response: 3092999
Conc: 22.37 ug/ml m