

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092023AL\
 Data File : FE044362.D
 Signal(s) : FID1B.ch
 Acq On : 20 Sep 2023 13:36
 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 09/21/2023
 Supervised By :Ankita Jodhani 09/21/2023

Integration File: autoint1.e
 Quant Time: Sep 21 01:10:18 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)	11.930	3611983	19.066 ug/ml
Spiked Amount 50.000		Recovery =	38.13%
12) S 1-chlorooctadecane (S...	13.369	2686054	19.443 ug/ml
Spiked Amount 50.000		Recovery =	38.89%
Target Compounds			
1) T n-Nonane (C9)	3.316	3047551	18.681 ug/ml
2) T n-Decane (C10)	4.567	3109728	18.709 ug/ml
3) T A~Naphthalene (C11.7)	6.269	3373307	18.838 ug/ml
4) T n-Dodecane (C12)	6.731	3137163	18.654 ug/ml
5) T A~2-methylnaphthalene...	7.365	3282754	19.149 ug/ml
6) T n-Tetradecane (C14)	8.559	3109512	18.541 ug/ml
7) T n-Hexadecane (C16)	10.168	3156167	18.261 ug/ml
8) T n-Octadecane (C18)	11.612	3140377	18.041 ug/ml
10) T n-Eicosane (C20)	12.924	3011782	18.208 ug/ml
11) T n-Heneicosane (C21)	13.536	2943853	18.200 ug/ml
13) T n-Docosane (C22)	14.123	2889516	18.087 ug/ml
14) T n-Tetracosane (C24)	15.228	2812156	17.983 ug/ml
15) T n-Hexacosane (C26)	16.249	2739819	18.174 ug/ml
16) T n-Octacosane (C28)	17.201	2701043	18.717 ug/ml
17) T n-Tricontane (C30)	18.089	2858858	19.678 ug/ml
18) T n-Dotriacontane (C32)	18.924	2912524	20.446 ug/ml
19) T n-Tetratriacontane (C34)	19.709	2865338	20.476 ug/mlm
20) T n-Hexatriacontane (C36)	20.451	2850481	20.792 ug/ml
21) T n-Octatriacontane (C38)	21.195	2920943	21.042 ug/ml
22) T n-Tetracontane (C40)	22.121	3102235	22.437 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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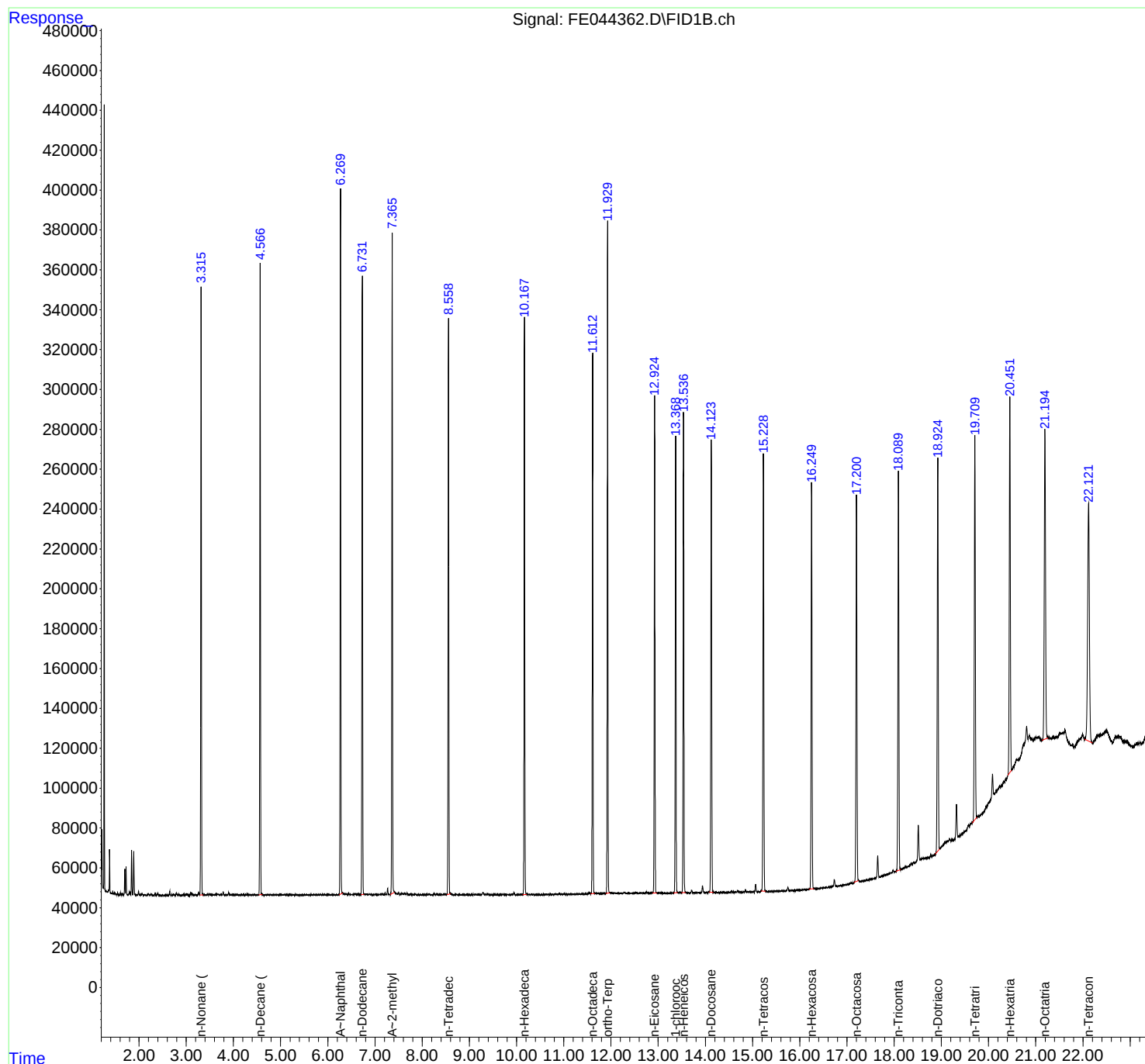
Instrument :
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20 PPM ALIPHATIC HC STD

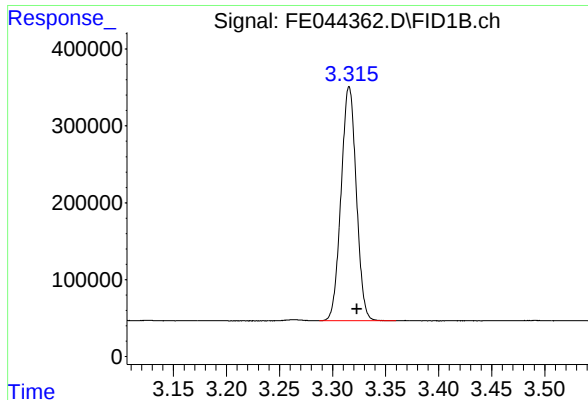
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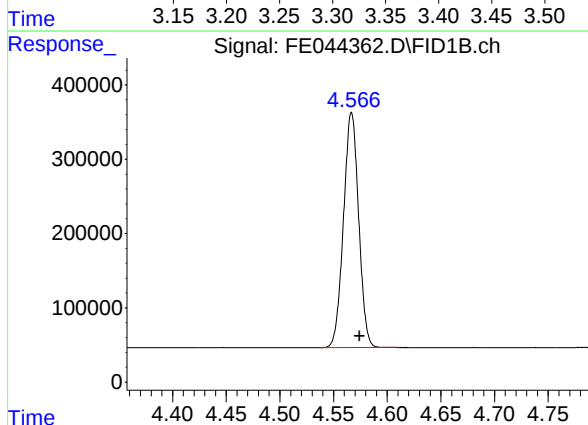
#1 n-Nonane (C9)

R.T.: 3.316 min
Delta R.T.: -0.007 min
Response: 3047551
Conc: 18.68 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

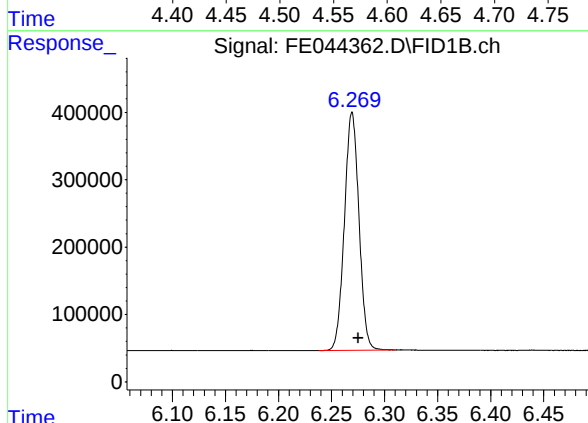
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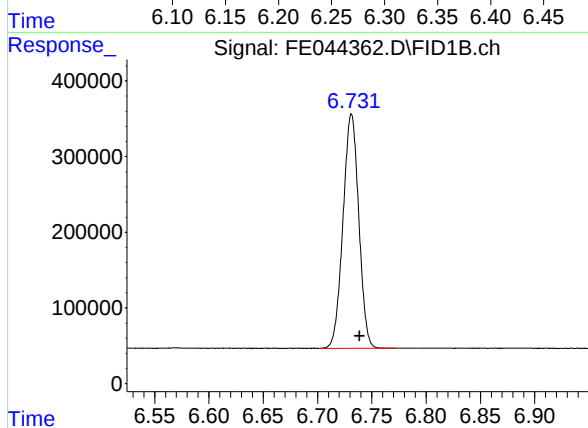
#2 n-Decane (C10)

R.T.: 4.567 min
Delta R.T.: -0.007 min
Response: 3109728
Conc: 18.71 ug/ml



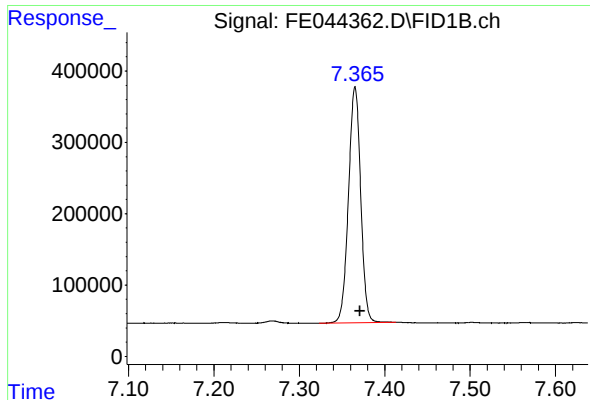
#3 A~Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: -0.006 min
Response: 3373307
Conc: 18.84 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.731 min
Delta R.T.: -0.008 min
Response: 3137163
Conc: 18.65 ug/ml



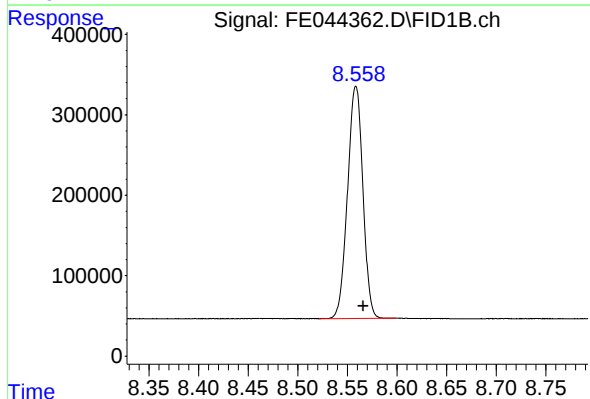
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.365 min
Delta R.T.: -0.006 min
Response: 3282754
Conc: 19.15 ug/ml

Instrument : FID_E
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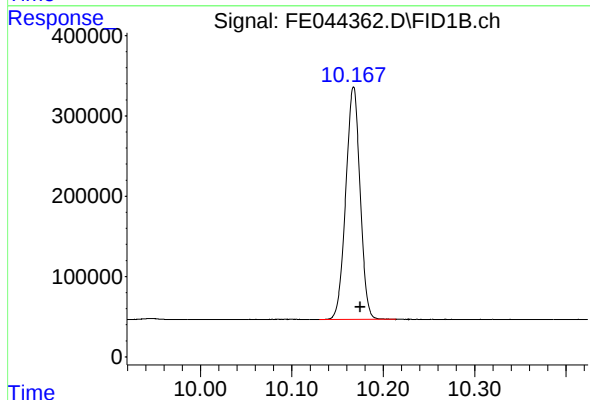
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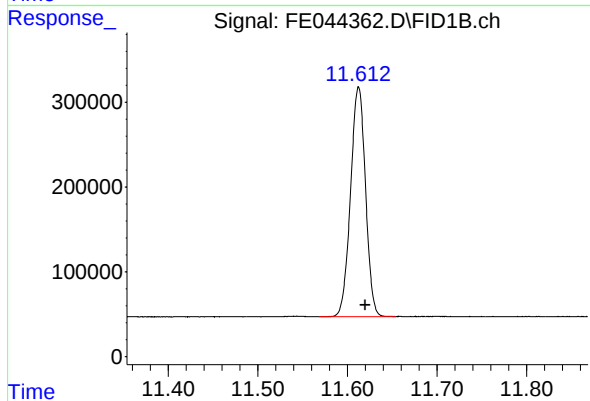
#6 n-Tetradecane (C14)

R.T.: 8.559 min
Delta R.T.: -0.007 min
Response: 3109512
Conc: 18.54 ug/ml



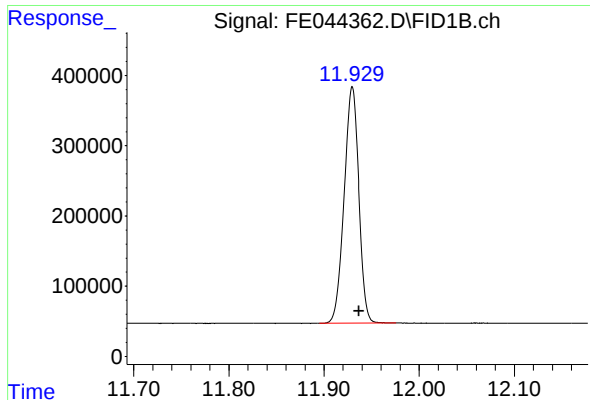
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: -0.007 min
Response: 3156167
Conc: 18.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.612 min
Delta R.T.: -0.007 min
Response: 3140377
Conc: 18.04 ug/ml



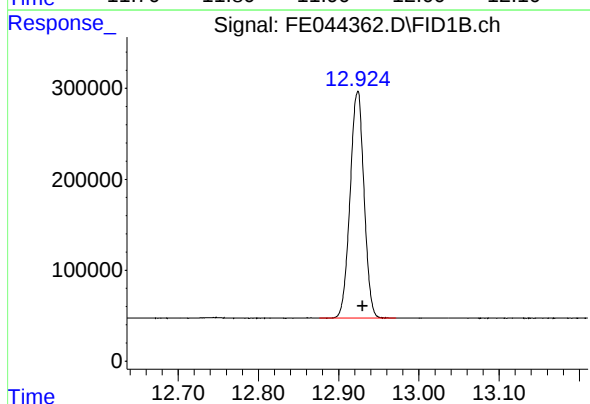
#9 ortho-Terphenyl (SURR)

R.T.: 11.930 min
Delta R.T.: -0.007 min
Response: 3611983
Conc: 19.07 ug/ml

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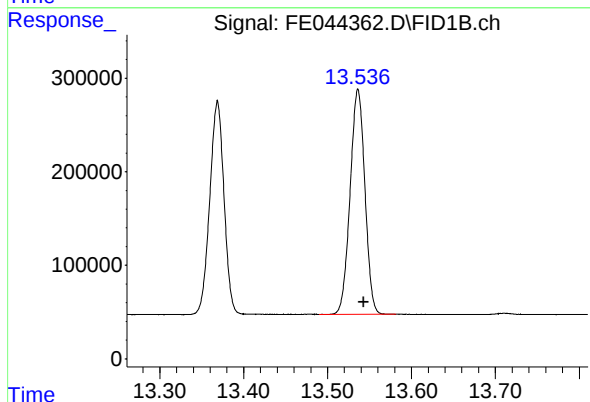
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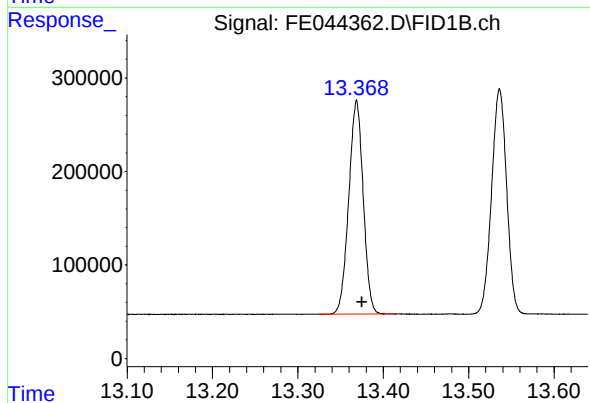
#10 n-Eicosane (C20)

R.T.: 12.924 min
Delta R.T.: -0.006 min
Response: 3011782
Conc: 18.21 ug/ml



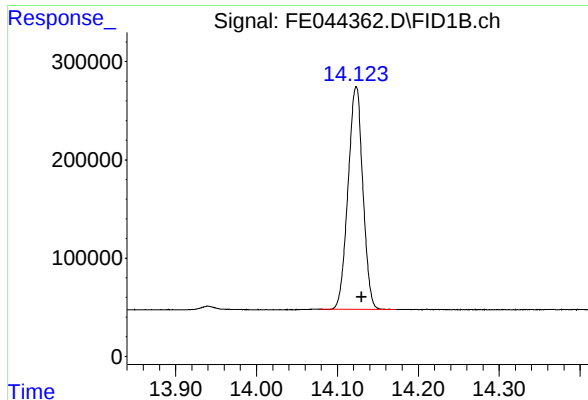
#11 n-Heneicosane (C21)

R.T.: 13.536 min
Delta R.T.: -0.006 min
Response: 2943853
Conc: 18.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.369 min
Delta R.T.: -0.006 min
Response: 2686054
Conc: 19.44 ug/ml



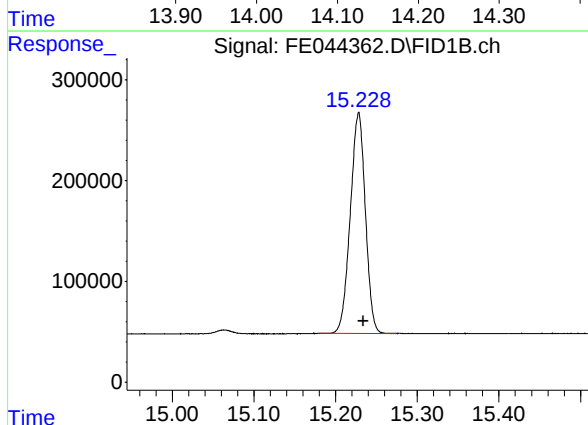
#13 n-Docosane (C22)

R.T.: 14.123 min
Delta R.T.: -0.007 min
Response: 2889516
Conc: 18.09 ug/ml

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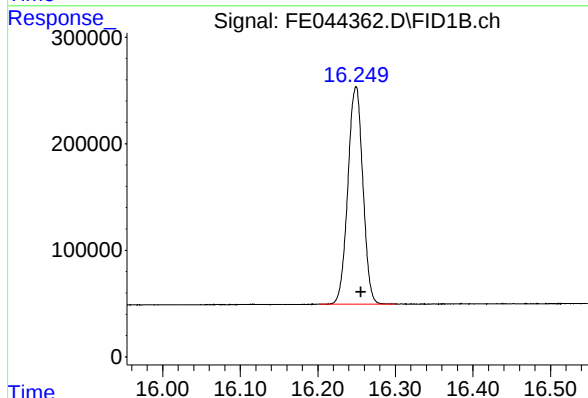
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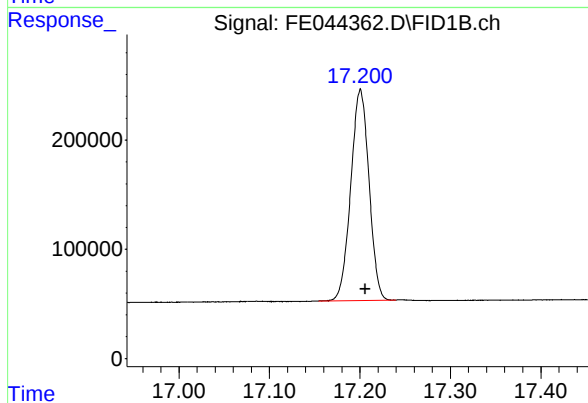
#14 n-Tetracosane (C24)

R.T.: 15.228 min
Delta R.T.: -0.005 min
Response: 2812156
Conc: 17.98 ug/ml



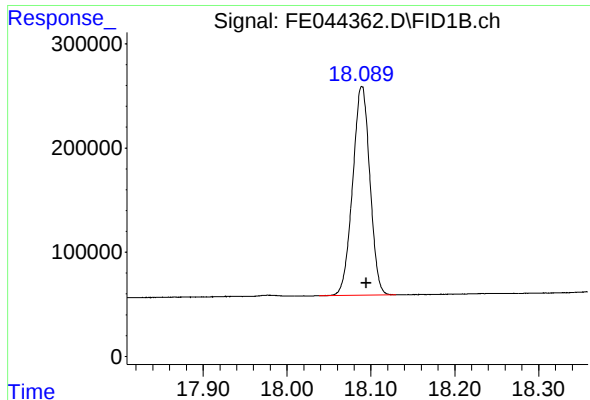
#15 n-Hexacosane (C26)

R.T.: 16.249 min
Delta R.T.: -0.006 min
Response: 2739819
Conc: 18.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.201 min
Delta R.T.: -0.005 min
Response: 2701043
Conc: 18.72 ug/ml



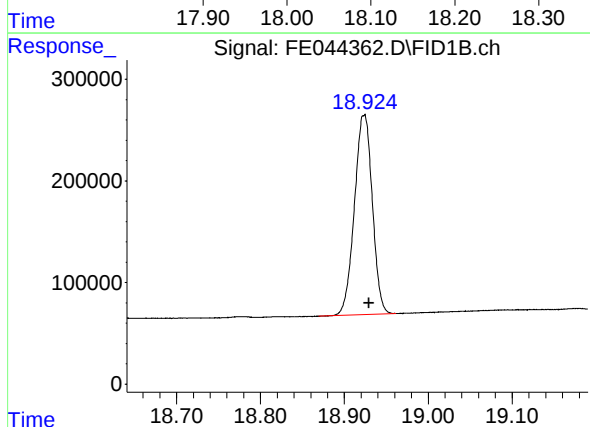
#17 n-Tricontane (C30)

R.T.: 18.089 min
Delta R.T.: -0.006 min
Response: 2858858
Conc: 19.68 ug/ml

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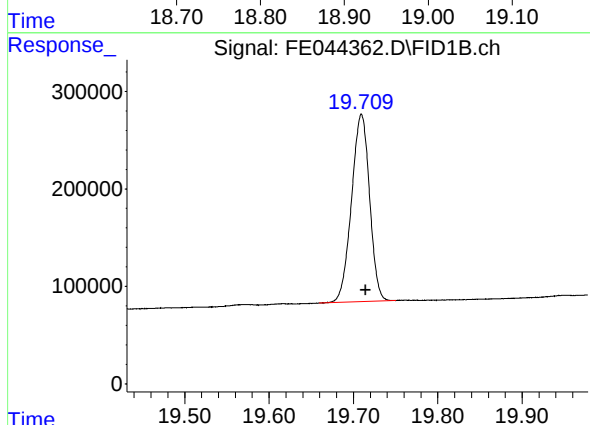
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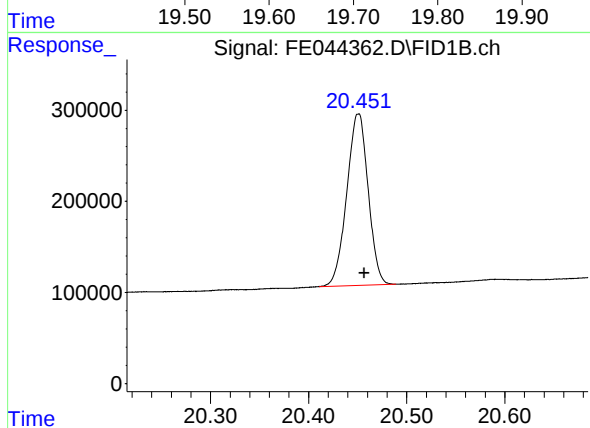
#18 n-Dotriacontane (C32)

R.T.: 18.924 min
Delta R.T.: -0.006 min
Response: 2912524
Conc: 20.45 ug/ml



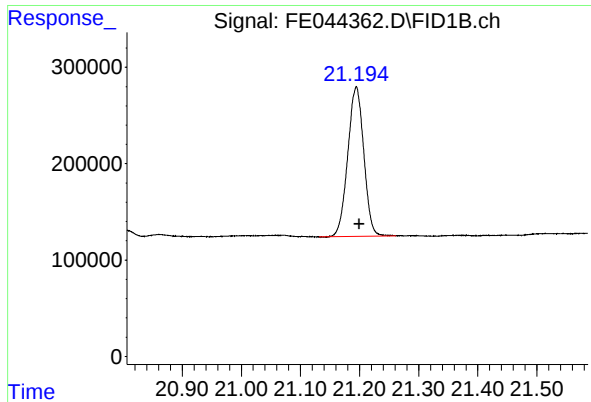
#19 n-Tetratriacontane (C34)

R.T.: 19.709 min
Delta R.T.: -0.006 min
Response: 2865338
Conc: 20.48 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.451 min
Delta R.T.: -0.006 min
Response: 2850481
Conc: 20.79 ug/ml



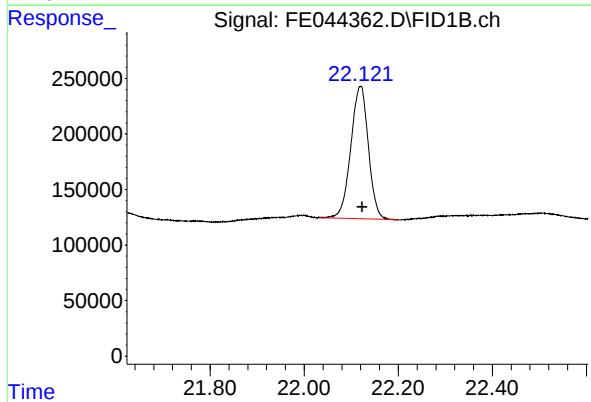
#21 n-Octatriacontane (C38)

R.T.: 21.195 min
Delta R.T.: -0.005 min
Response: 2920943
Conc: 21.04 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.121 min
Delta R.T.: -0.003 min
Response: 3102235
Conc: 22.44 ug/ml m