

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042523AL\
 Data File : FE041538.D
 Signal(s) : FID1B.ch
 Acq On : 25 Apr 2023 20:59
 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 04/26/2023
 Supervised By :Ankita Jodhani 04/26/2023

Integration File: autoint1.e
 Quant Time: Apr 26 01:19:54 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)	11.982	3646725	19.438 ug/ml
Spiked Amount 50.000		Recovery =	38.88%
12) S 1-chlorooctadecane (S...	13.418	2702019	19.127 ug/ml
Spiked Amount 50.000		Recovery =	38.25%
Target Compounds			
1) T n-Nonane (C9)	3.358	3081037	20.960 ug/ml
2) T n-Decane (C10)	4.611	3167734	21.121 ug/ml
3) T A~Naphthalene (C11.7)	6.317	3474922	20.998 ug/ml
4) T n-Dodecane (C12)	6.780	3203913	21.072 ug/ml
5) T A~2-methylnaphthalene...	7.415	3372873	20.917 ug/ml
6) T n-Tetradecane (C14)	8.610	3176341	20.910 ug/ml
7) T n-Hexadecane (C16)	10.218	3263634	20.451 ug/ml
8) T n-Octadecane (C18)	11.663	3271732	19.960 ug/ml
10) T n-Eicosane (C20)	12.973	3118367	19.387 ug/ml
11) T n-Heneicosane (C21)	13.585	3053799	19.162 ug/ml
13) T n-Docosane (C22)	14.172	3023292	18.975 ug/ml
14) T n-Tetracosane (C24)	15.276	2974945	18.453 ug/ml
15) T n-Hexacosane (C26)	16.297	2872361	18.168 ug/ml
16) T n-Octacosane (C28)	17.248	2783483	18.090 ug/ml
17) T n-Tricontane (C30)	18.135	2804021	18.411 ug/ml
18) T n-Dotriacontane (C32)	18.969	2777890	18.646 ug/ml
19) T n-Tetratriacontane (C34)	19.753	2669912	18.952 ug/ml
20) T n-Hexatriacontane (C36)	20.493	2637503	19.723 ug/mlm
21) T n-Octatriacontane (C38)	21.249	2720670	20.590 ug/ml
22) T n-Tetracontane (C40)	22.191	2681945	21.183 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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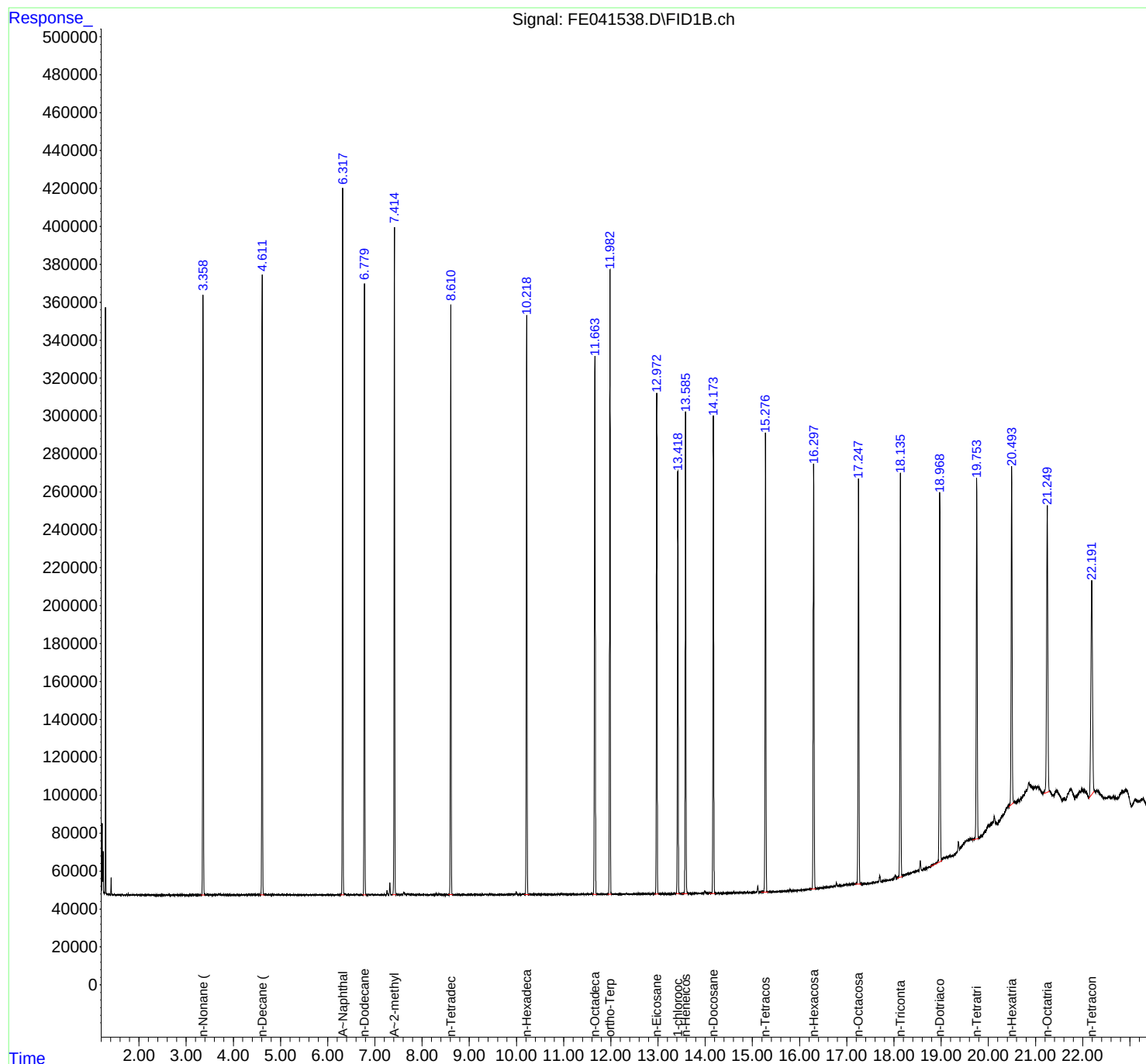
Instrument :
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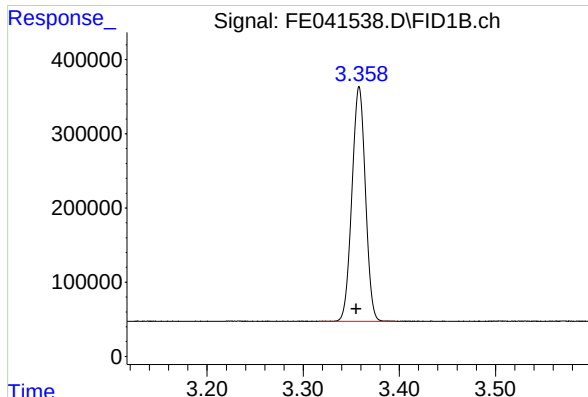
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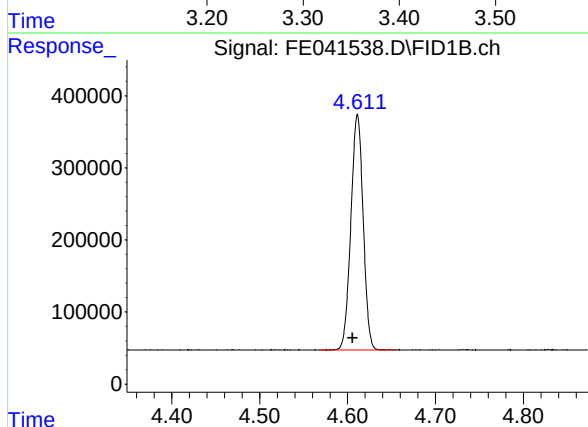
#1 n-Nonane (C9)

R.T.: 3.358 min
Delta R.T.: 0.003 min
Response: 3081037
Conc: 20.96 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

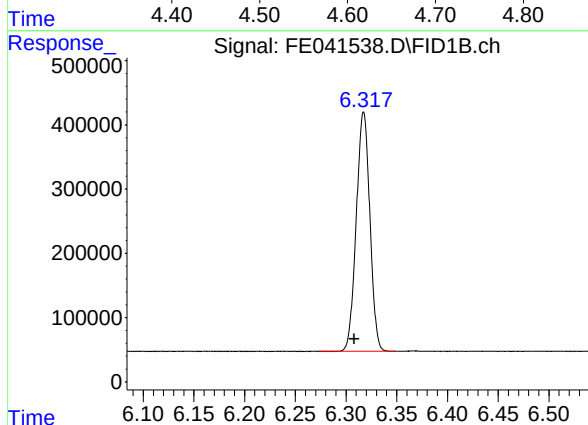
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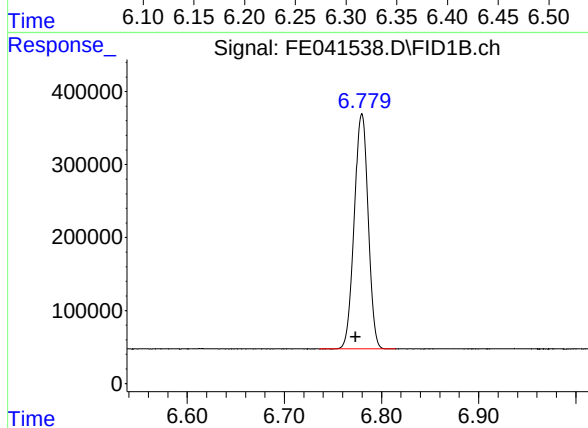
#2 n-Decane (C10)

R.T.: 4.611 min
Delta R.T.: 0.006 min
Response: 3167734
Conc: 21.12 ug/ml



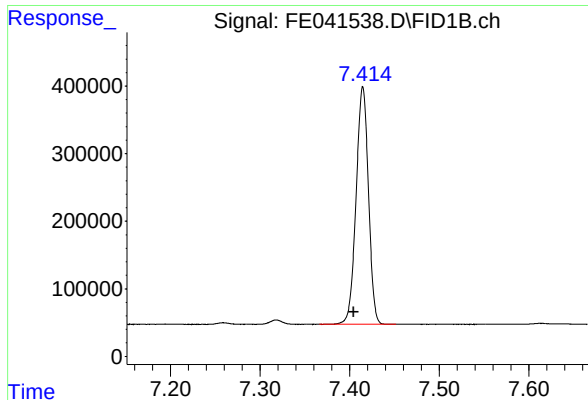
#3 A~Naphthalene (C11.7)

R.T.: 6.317 min
Delta R.T.: 0.009 min
Response: 3474922
Conc: 21.00 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.780 min
Delta R.T.: 0.006 min
Response: 3203913
Conc: 21.07 ug/ml



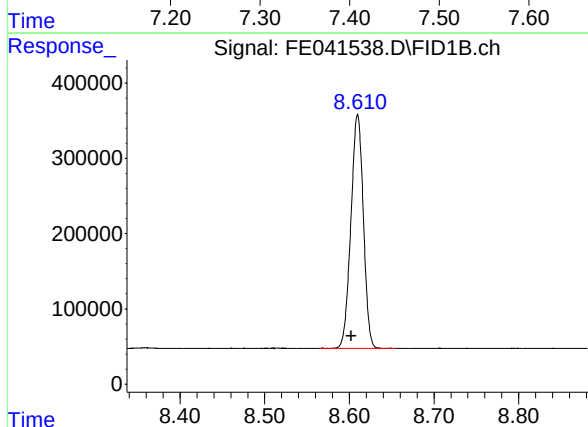
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.415 min
Delta R.T.: 0.010 min
Response: 3372873
Conc: 20.92 ug/ml

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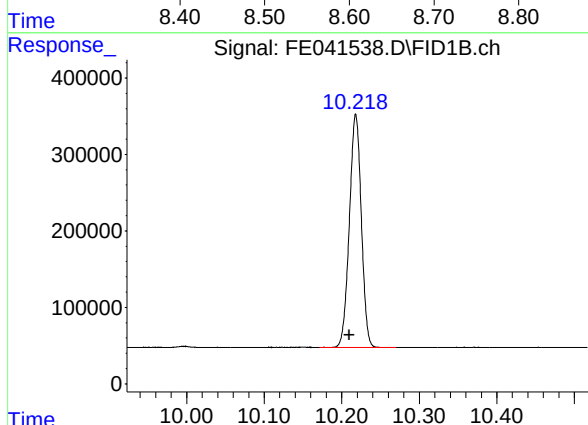
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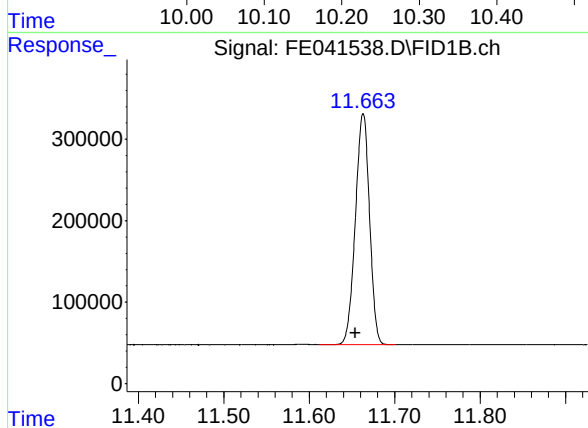
#6 n-Tetradecane (C14)

R.T.: 8.610 min
Delta R.T.: 0.008 min
Response: 3176341
Conc: 20.91 ug/ml



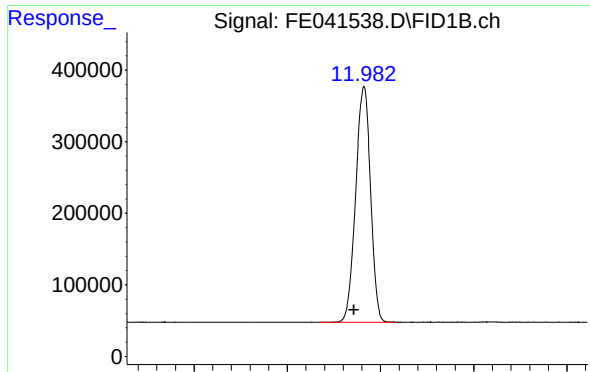
#7 n-Hexadecane (C16)

R.T.: 10.218 min
Delta R.T.: 0.008 min
Response: 3263634
Conc: 20.45 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.663 min
Delta R.T.: 0.009 min
Response: 3271732
Conc: 19.96 ug/ml



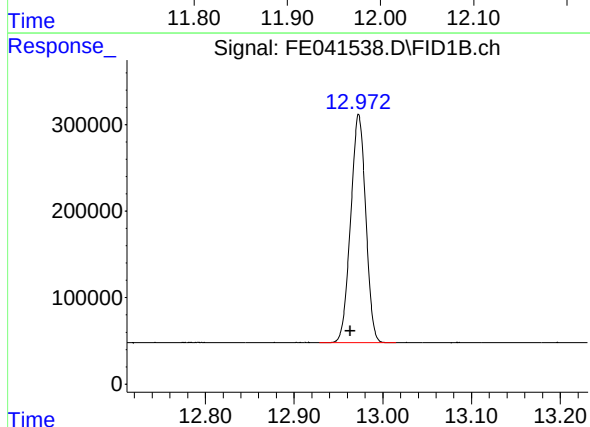
#9 ortho-Terphenyl (SURR)

R.T.: 11.982 min
Delta R.T.: 0.011 min
Response: 3646725
Conc: 19.44 ug/ml

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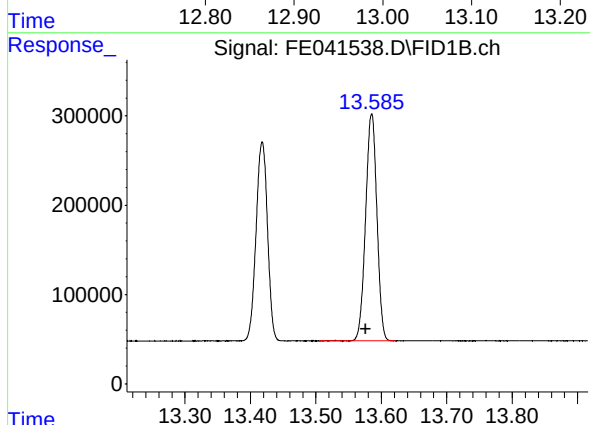
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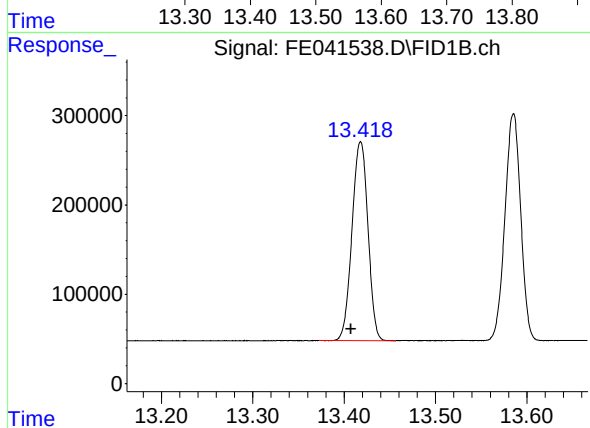
#10 n-Eicosane (C20)

R.T.: 12.973 min
Delta R.T.: 0.009 min
Response: 3118367
Conc: 19.39 ug/ml



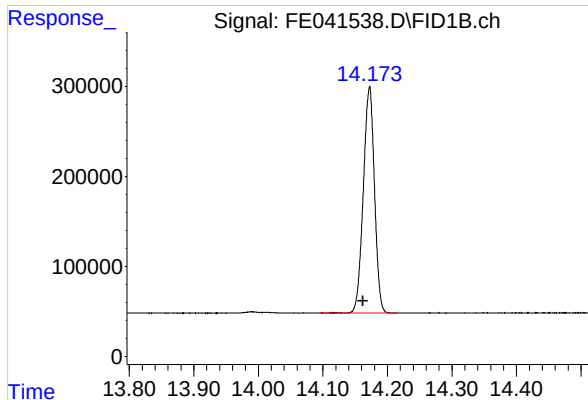
#11 n-Heneicosane (C21)

R.T.: 13.585 min
Delta R.T.: 0.010 min
Response: 3053799
Conc: 19.16 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.418 min
Delta R.T.: 0.011 min
Response: 2702019
Conc: 19.13 ug/ml



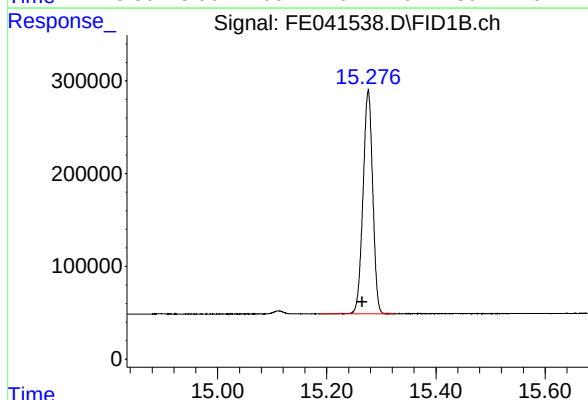
#13 n-Docosane (C22)

R.T.: 14.172 min
Delta R.T.: 0.010 min
Response: 3023292
Conc: 18.98 ug/ml

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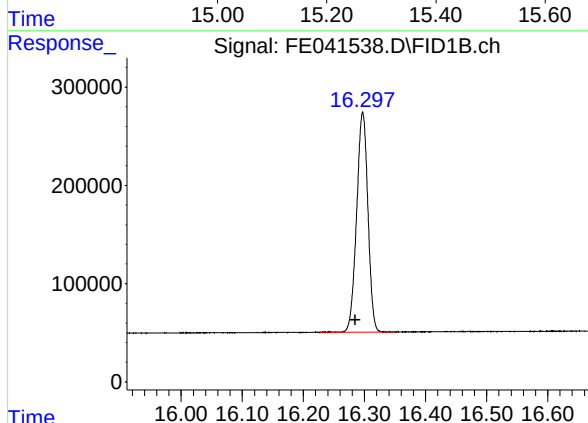
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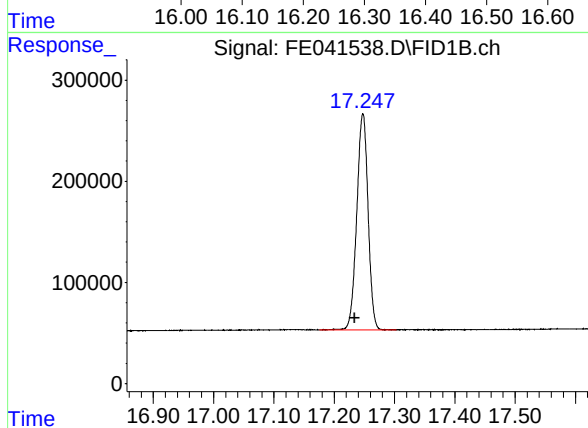
#14 n-Tetracosane (C24)

R.T.: 15.276 min
Delta R.T.: 0.011 min
Response: 2974945
Conc: 18.45 ug/ml



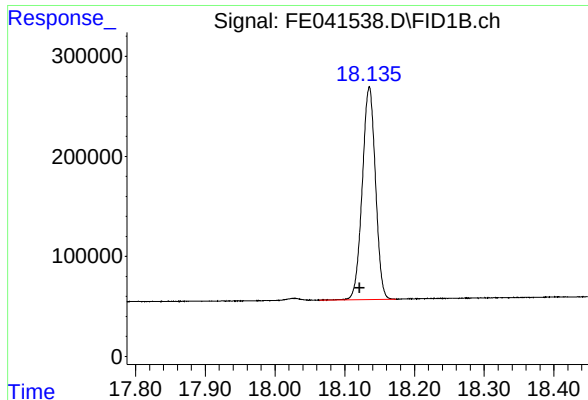
#15 n-Hexacosane (C26)

R.T.: 16.297 min
Delta R.T.: 0.012 min
Response: 2872361
Conc: 18.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.248 min
Delta R.T.: 0.014 min
Response: 2783483
Conc: 18.09 ug/ml



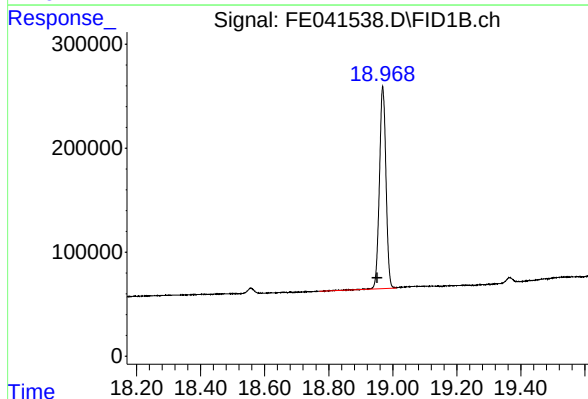
#17 n-Tricontane (C30)

R.T.: 18.135 min
Delta R.T.: 0.014 min
Response: 2804021
Conc: 18.41 ug/ml

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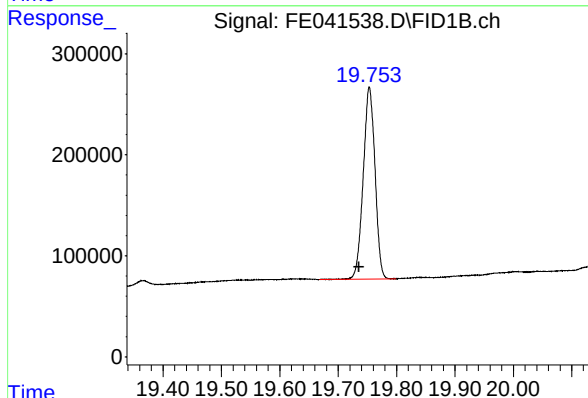
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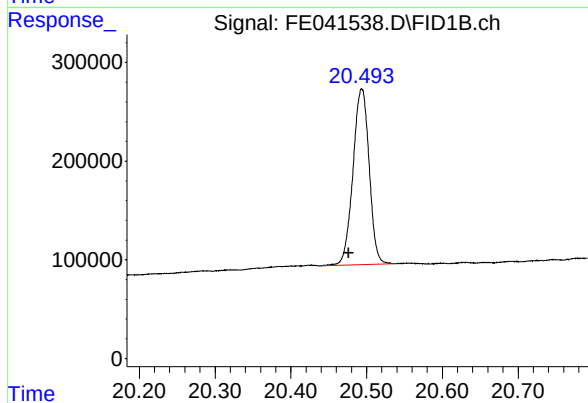
#18 n-Dotriacontane (C32)

R.T.: 18.969 min
Delta R.T.: 0.017 min
Response: 2777890
Conc: 18.65 ug/ml



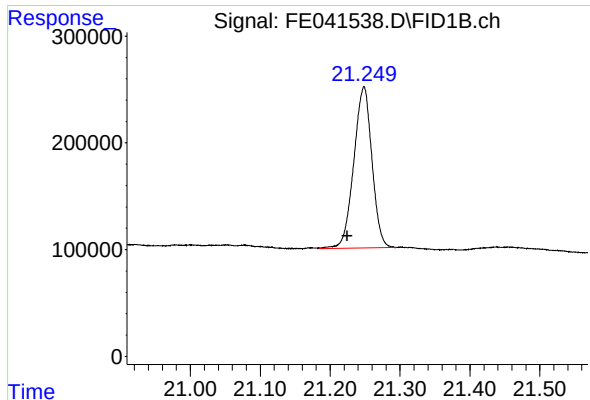
#19 n-Tetratriacontane (C34)

R.T.: 19.753 min
Delta R.T.: 0.017 min
Response: 2669912
Conc: 18.95 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.493 min
Delta R.T.: 0.017 min
Response: 2637503
Conc: 19.72 ug/ml m



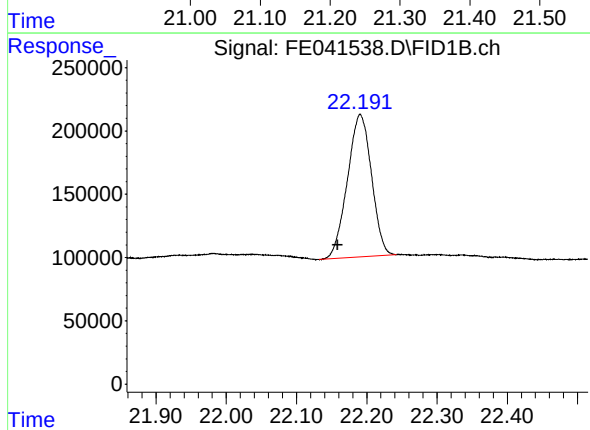
#21 n-Octatriacontane (C38)

R.T.: 21.249 min
Delta R.T.: 0.024 min
Response: 2720670
Conc: 20.59 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.191 min
Delta R.T.: 0.032 min
Response: 2681945
Conc: 21.18 ug/ml m