

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071524AL\
 Data File : FE049125.D
 Signal(s) : FID1B.ch
 Acq On : 15 Jul 2024 15:04
 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 07/16/2024
 Supervised By :Ankita Jodhani 07/16/2024

Integration File: autoint1.e
 Quant Time: Jul 16 01:13:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062124.M
 Quant Title : GC Extractables
 QLast Update : Thu Jun 20 17:53:58 2024
 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)	11.923	2918463	17.454 ug/ml
Spiked Amount 50.000		Recovery =	34.91%
12) S 1-chlorooctadecane (S...	13.360	2223200	17.289 ug/ml
Spiked Amount 50.000		Recovery =	34.58%
Target Compounds			
1) T n-Nonane (C9)	3.307	2878677	19.147 ug/ml
2) T n-Decane (C10)	4.558	2918297	18.963 ug/ml
3) T A~Naphthalene (C11.7)	6.266	2966895	18.689 ug/ml
4) T n-Dodecane (C12)	6.725	2899579	18.783 ug/ml
5) T A~2-methylnaphthalene...	7.363	2793656	18.448 ug/ml
6) T n-Tetradecane (C14)	8.553	2852225	18.610 ug/ml
7) T n-Hexadecane (C16)	10.161	2869887	18.355 ug/ml
8) T n-Octadecane (C18)	11.604	2866309	17.972 ug/ml
10) T n-Eicosane (C20)	12.914	2731111	17.616 ug/ml
11) T n-Heneicosane (C21)	13.526	2677206	17.583 ug/ml
13) T n-Docosane (C22)	14.112	2659016	17.582 ug/ml
14) T n-Tetracosane (C24)	15.214	2655760	17.672 ug/ml
15) T n-Hexacosane (C26)	16.236	2638568	17.873 ug/ml
16) T n-Octacosane (C28)	17.184	2614375	18.128 ug/ml
17) T n-Tricontane (C30)	18.073	2702200	18.470 ug/ml
18) T n-Dotriacontane (C32)	18.903	2684176	18.773 ug/ml
19) T n-Tetratriacontane (C34)	19.688	2722939	19.678 ug/mlm
20) T n-Hexatriacontane (C36)	20.427	2705797	20.819 ug/ml
21) T n-Octatriacontane (C38)	21.161	2917376	22.757 ug/ml
22) T n-Tetracontane (C40)	22.075	2979063	24.327 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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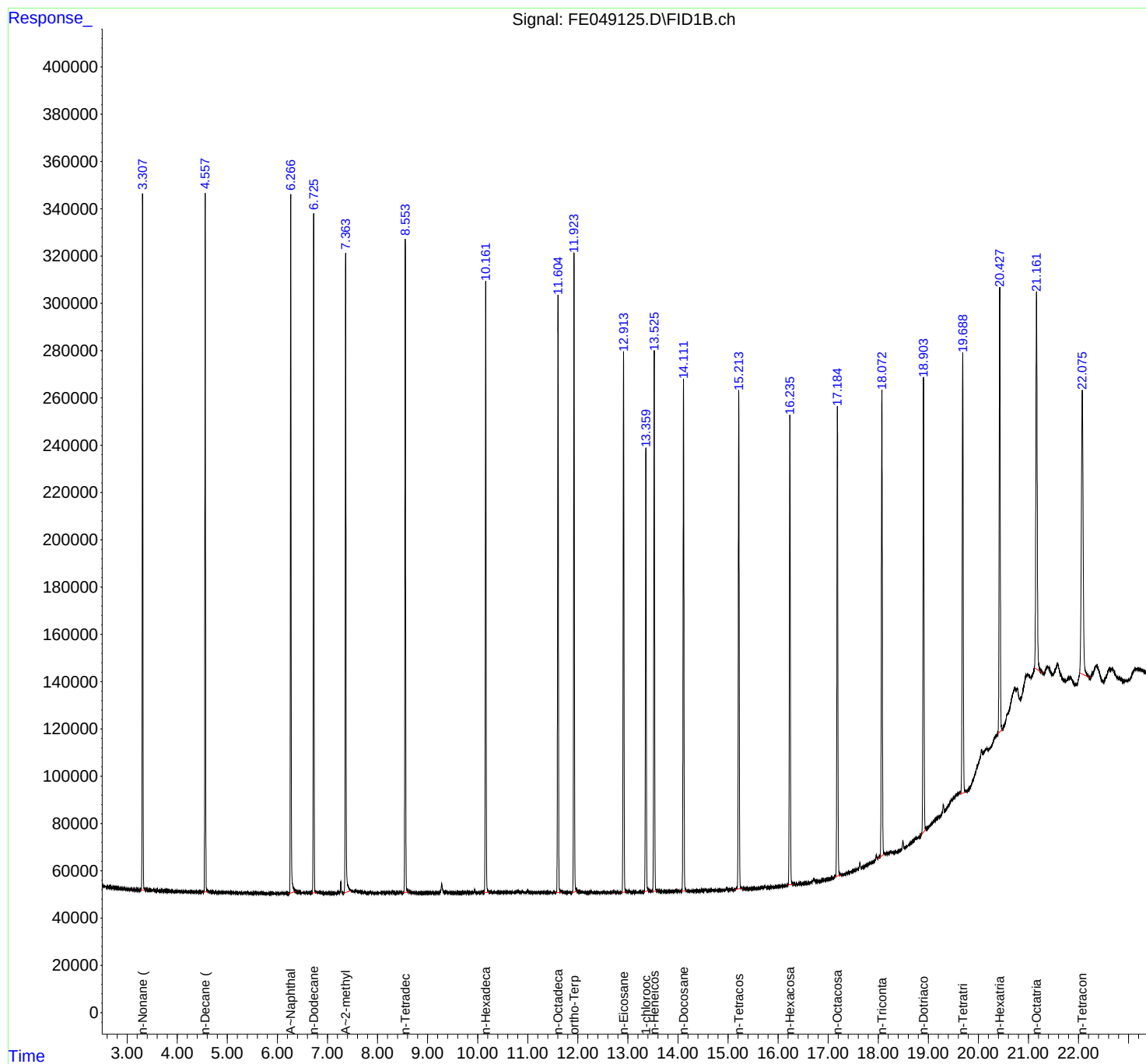
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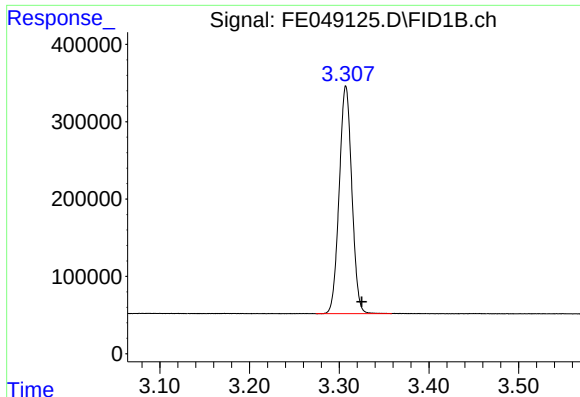
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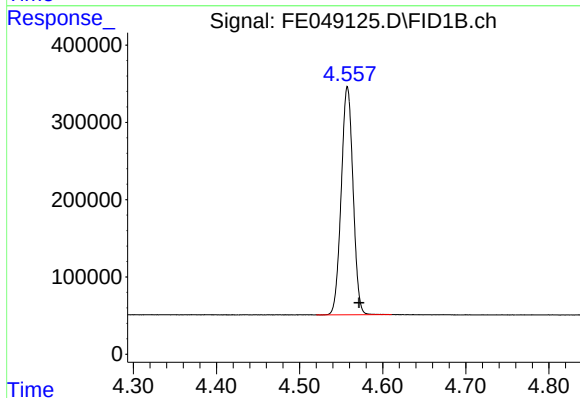
#1 n-Nonane (C9)

R.T.: 3.307 min
Delta R.T.: -0.018 min
Response: 2878677
Conc: 19.15 ug/ml

Instrument :
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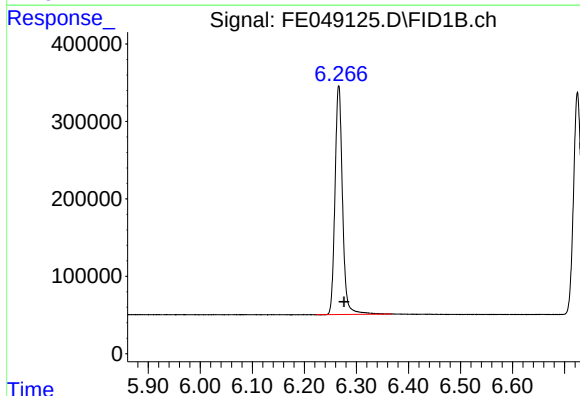
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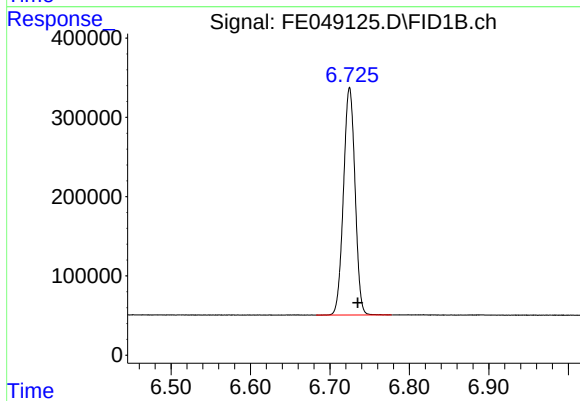
#2 n-Decane (C10)

R.T.: 4.558 min
Delta R.T.: -0.014 min
Response: 2918297
Conc: 18.96 ug/ml



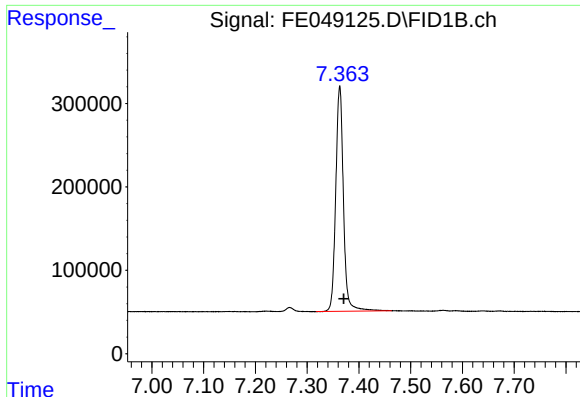
#3 A~Naphthalene (C11.7)

R.T.: 6.266 min
Delta R.T.: -0.010 min
Response: 2966895
Conc: 18.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.725 min
Delta R.T.: -0.010 min
Response: 2899579
Conc: 18.78 ug/ml



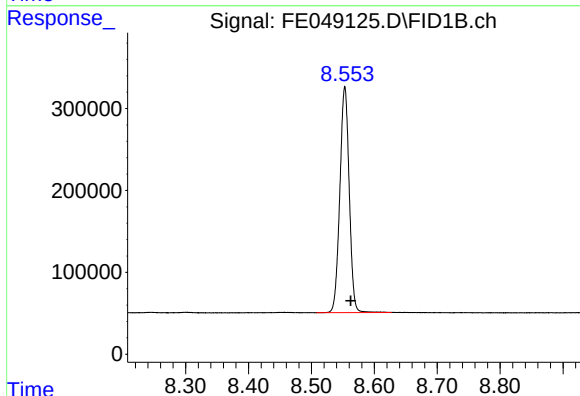
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.363 min
Delta R.T.: -0.007 min
Response: 2793656
Conc: 18.45 ug/ml

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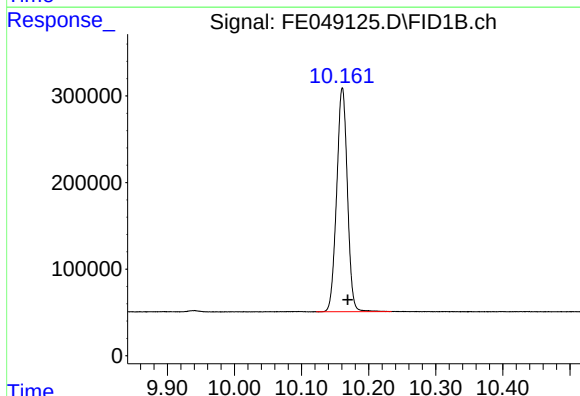
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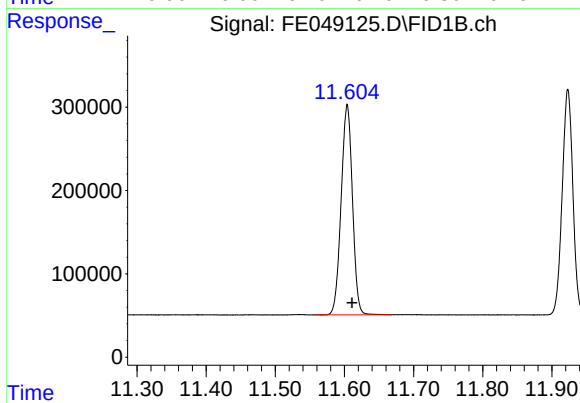
#6 n-Tetradecane (C14)

R.T.: 8.553 min
Delta R.T.: -0.009 min
Response: 2852225
Conc: 18.61 ug/ml



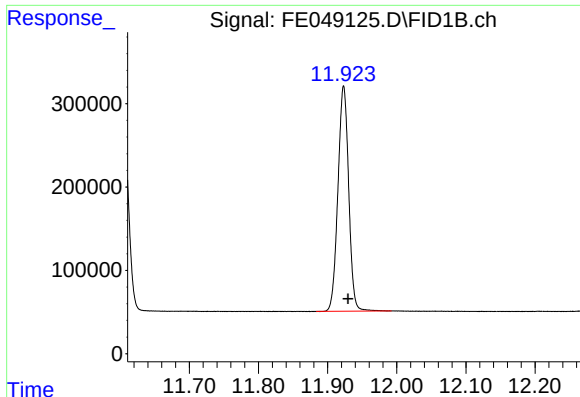
#7 n-Hexadecane (C16)

R.T.: 10.161 min
Delta R.T.: -0.008 min
Response: 2869887
Conc: 18.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.604 min
Delta R.T.: -0.007 min
Response: 2866309
Conc: 17.97 ug/ml



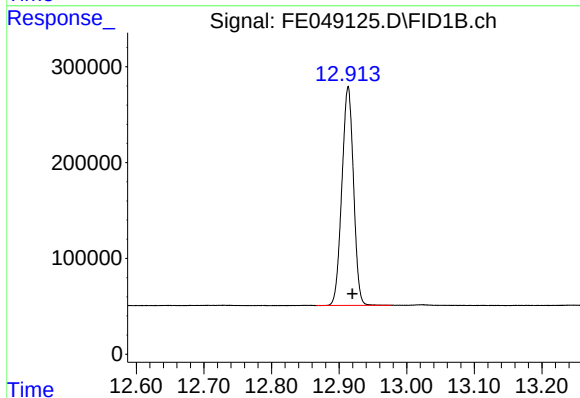
#9 ortho-Terphenyl (SURR)

R.T.: 11.923 min
Delta R.T.: -0.007 min
Response: 2918463
Conc: 17.45 ug/ml

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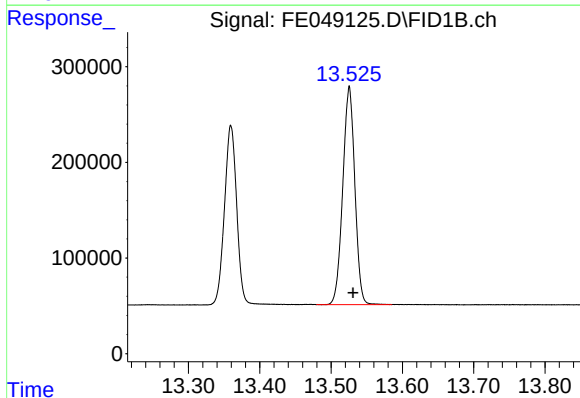
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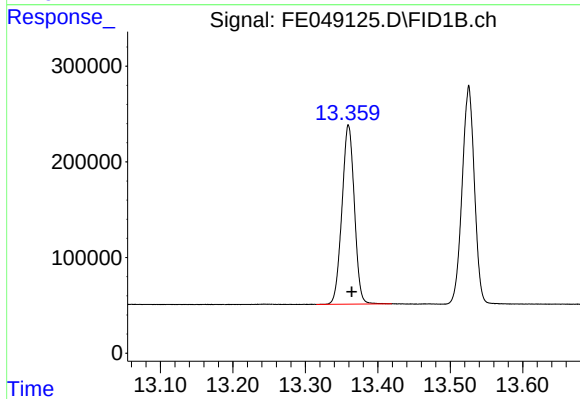
#10 n-Eicosane (C20)

R.T.: 12.914 min
Delta R.T.: -0.006 min
Response: 2731111
Conc: 17.62 ug/ml



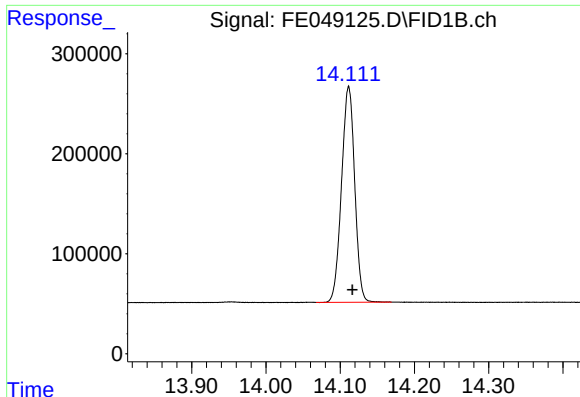
#11 n-Heneicosane (C21)

R.T.: 13.526 min
Delta R.T.: -0.005 min
Response: 2677206
Conc: 17.58 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.360 min
Delta R.T.: -0.004 min
Response: 2223200
Conc: 17.29 ug/ml



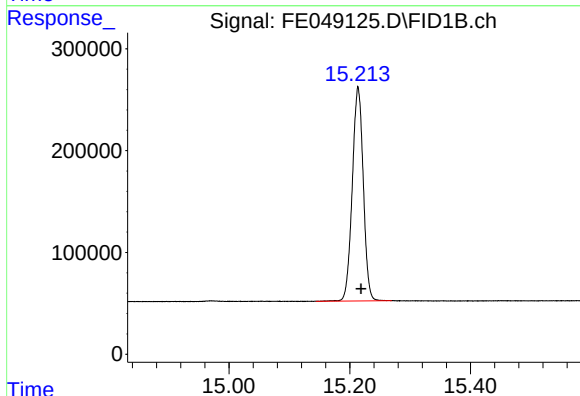
#13 n-Docosane (C22)

R.T.: 14.112 min
Delta R.T.: -0.005 min
Response: 2659016
Conc: 17.58 ug/ml

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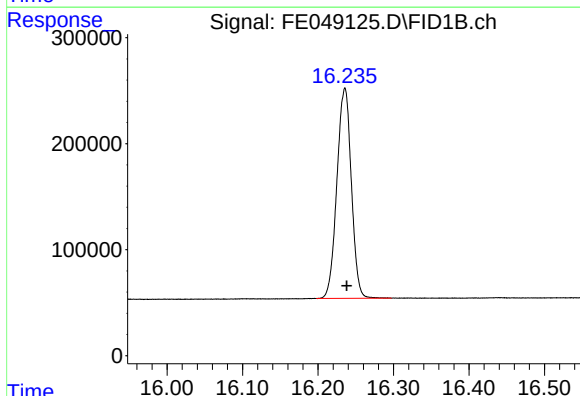
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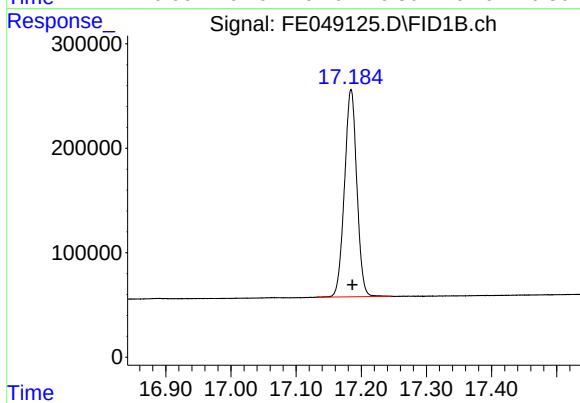
#14 n-Tetracosane (C24)

R.T.: 15.214 min
Delta R.T.: -0.005 min
Response: 2655760
Conc: 17.67 ug/ml



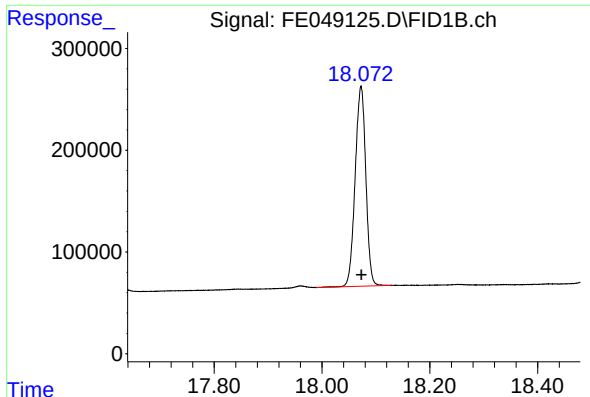
#15 n-Hexacosane (C26)

R.T.: 16.236 min
Delta R.T.: -0.003 min
Response: 2638568
Conc: 17.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.184 min
Delta R.T.: -0.002 min
Response: 2614375
Conc: 18.13 ug/ml



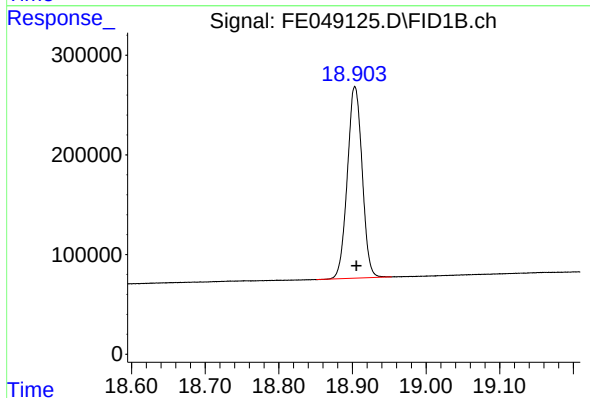
#17 n-Tricontane (C30)

R.T.: 18.073 min
Delta R.T.: 0.000 min
Response: 2702200
Conc: 18.47 ug/ml

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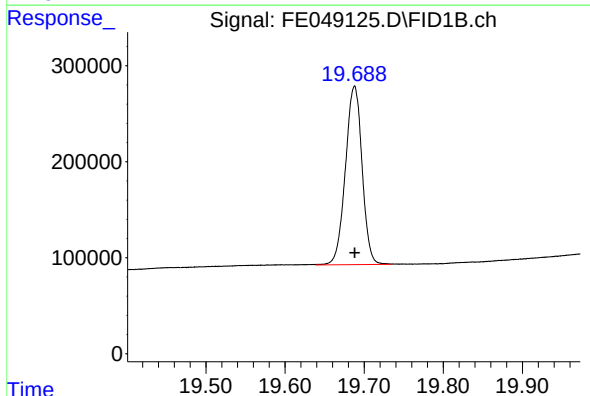
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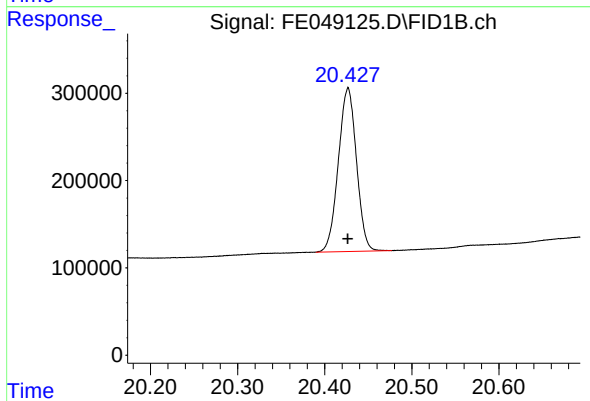
#18 n-Dotriacontane (C32)

R.T.: 18.903 min
Delta R.T.: -0.002 min
Response: 2684176
Conc: 18.77 ug/ml



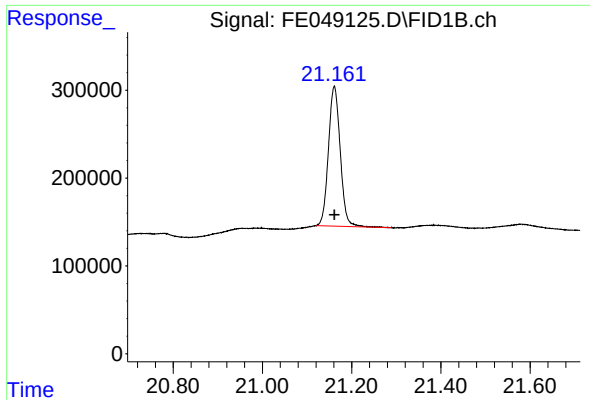
#19 n-Tetratriacontane (C34)

R.T.: 19.688 min
Delta R.T.: 0.000 min
Response: 2722939
Conc: 19.68 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.427 min
Delta R.T.: 0.000 min
Response: 2705797
Conc: 20.82 ug/ml



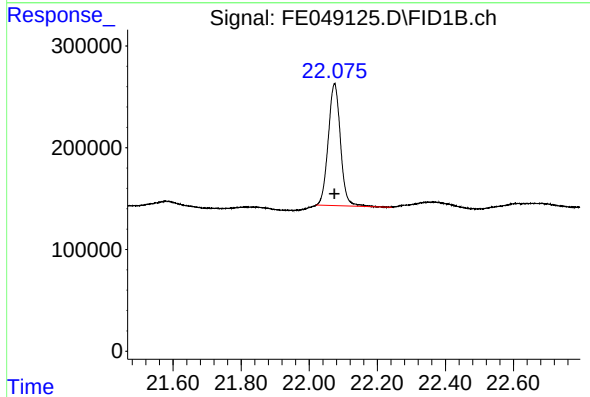
#21 n-Octatriacontane (C38)

R.T.: 21.161 min
Delta R.T.: 0.000 min
Response: 2917376
Conc: 22.76 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.075 min
Delta R.T.: 0.000 min
Response: 2979063
Conc: 24.33 ug/ml