

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE022625AL\
 Data File : FE052522.D
 Signal(s) : FID1B.ch
 Acq On : 26 Feb 2025 19:05
 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 02/27/2025
 Supervised By :Ankita Jodhani 02/27/2025

Integration File: autoint1.e
 Quant Time: Feb 27 00:12:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 021325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 14 00:50:00 2025
 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)	11.914	3175163	16.986 ug/ml
Spiked Amount 50.000		Recovery =	33.97%
12) S 1-chlorooctadecane (S...	13.359	2355048	16.943 ug/ml
Spiked Amount 50.000		Recovery =	33.89%
Target Compounds			
1) T n-Nonane (C9)	3.255	2885853	18.800 ug/ml
2) T n-Decane (C10)	4.516	2964236	18.979 ug/ml
3) T A~Naphthalene (C11.7)	6.230	3235054	18.725 ug/ml
4) T n-Dodecane (C12)	6.698	2954384	18.717 ug/ml
5) T A~2-methylnaphthalene...	7.332	3111733	18.528 ug/ml
6) T n-Tetradecane (C14)	8.535	2873993	18.246 ug/ml
7) T n-Hexadecane (C16)	10.149	2903395	17.764 ug/ml
8) T n-Octadecane (C18)	11.598	2874756	17.374 ug/ml
10) T n-Eicosane (C20)	12.913	2721609	17.072 ug/ml
11) T n-Heneicosane (C21)	13.527	2668527	17.033 ug/ml
13) T n-Docosane (C22)	14.115	2653613	16.956 ug/ml
14) T n-Tetracosane (C24)	15.222	2660695	16.918 ug/ml
15) T n-Hexacosane (C26)	16.245	2637157	17.026 ug/ml
16) T n-Octacosane (C28)	17.197	2645965	17.298 ug/ml
17) T n-Tricontane (C30)	18.088	2738862	17.546 ug/ml
18) T n-Dotriacontane (C32)	18.922	2686463	17.556 ug/ml
19) T n-Tetratriacontane (C34)	19.708	2489960	17.503 ug/ml
20) T n-Hexatriacontane (C36)	20.451	2212955	17.755 ug/ml
21) T n-Octatriacontane (C38)	21.195	2118206	19.379 ug/ml
22) T n-Tetracontane (C40)	22.118	2490994	24.764 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

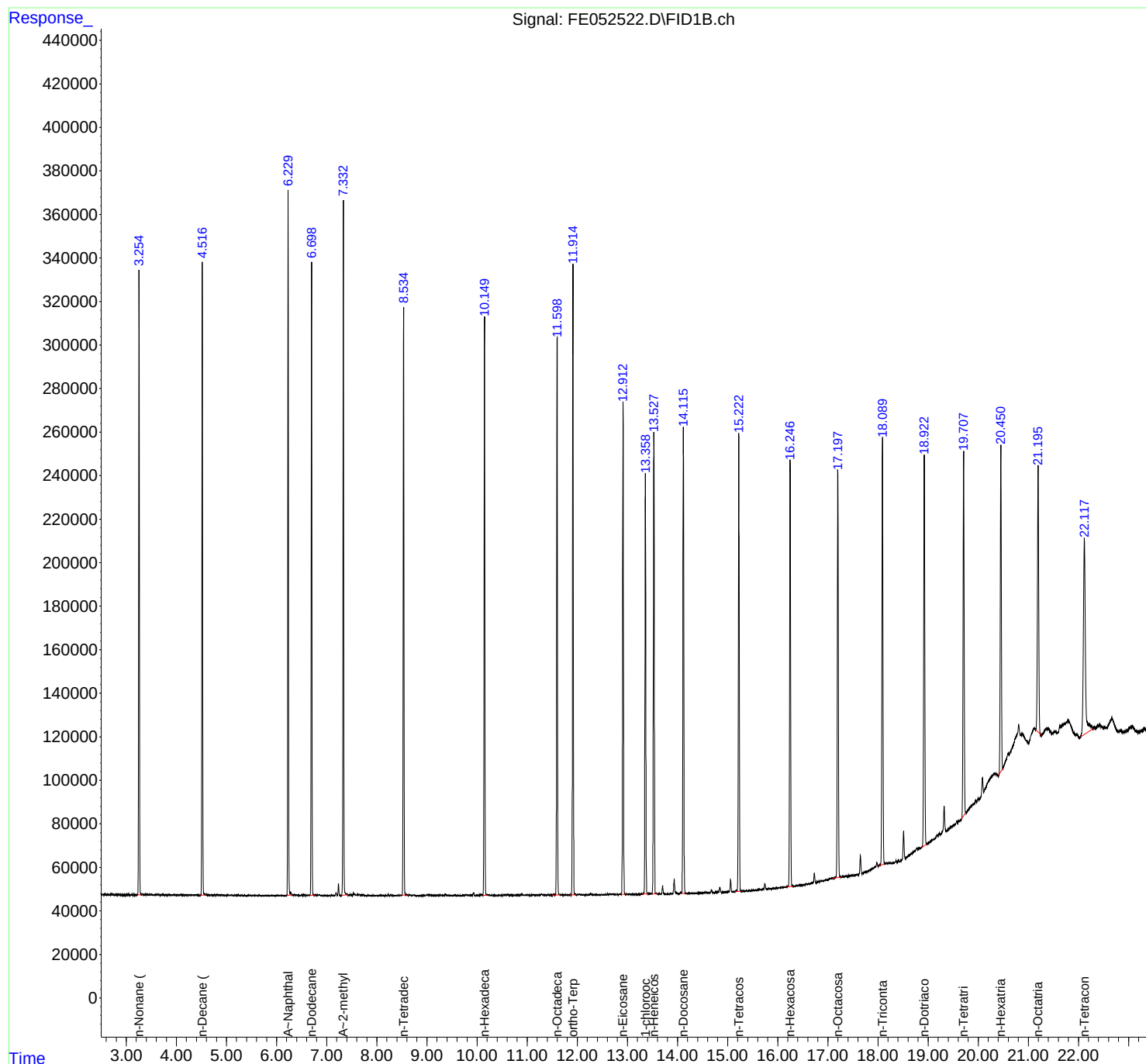
Instrument :
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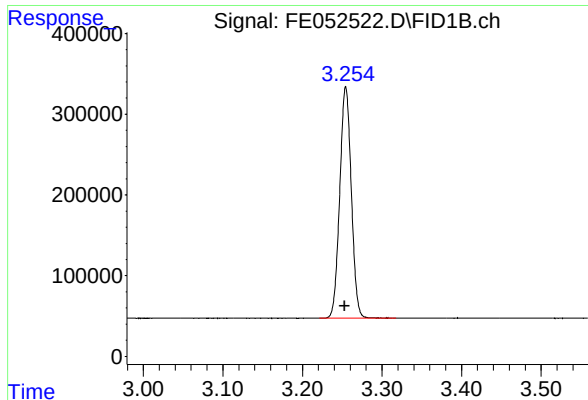
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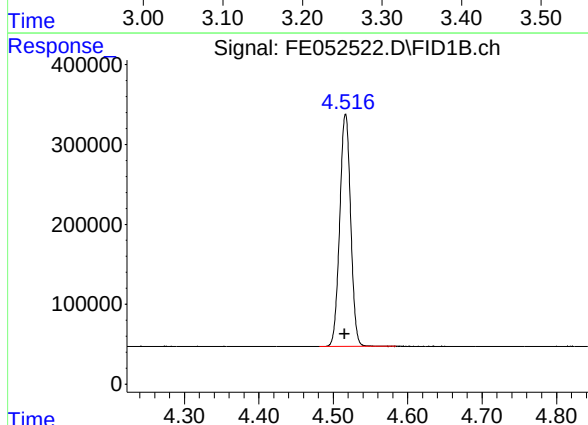
#1 n-Nonane (C9)

R.T.: 3.255 min
Delta R.T.: 0.002 min
Response: 2885853
Conc: 18.80 ug/ml

Instrument : FID_E
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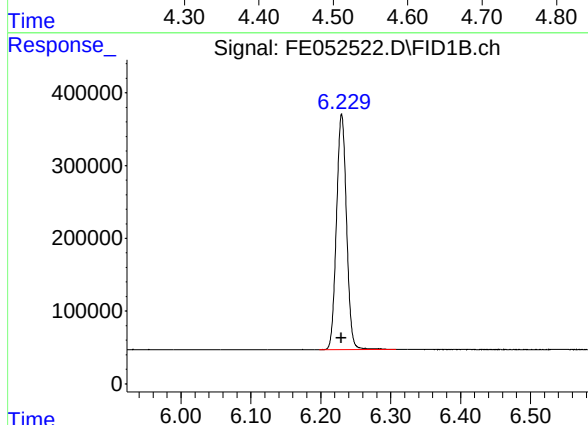
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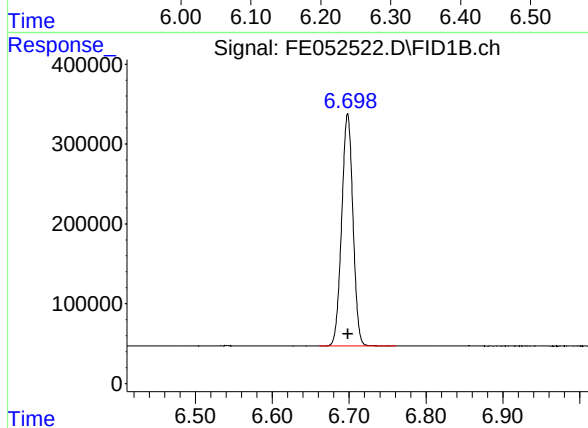
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: 0.001 min
Response: 2964236
Conc: 18.98 ug/ml



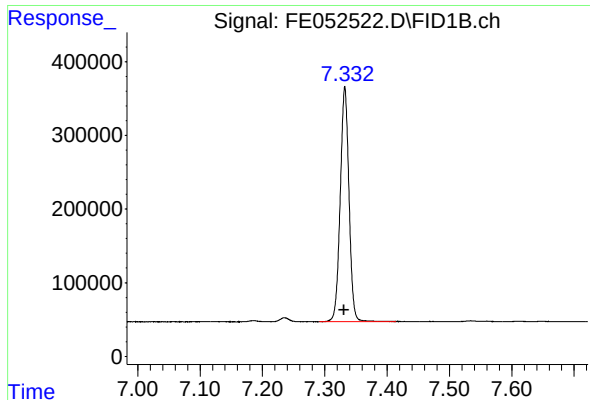
#3 A~Naphthalene (C11.7)

R.T.: 6.230 min
Delta R.T.: 0.000 min
Response: 3235054
Conc: 18.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.698 min
Delta R.T.: 0.000 min
Response: 2954384
Conc: 18.72 ug/ml



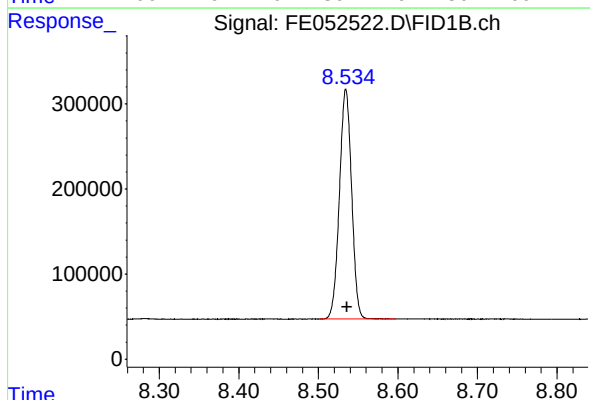
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.332 min
Delta R.T.: 0.001 min
Response: 3111733
Conc: 18.53 ug/ml

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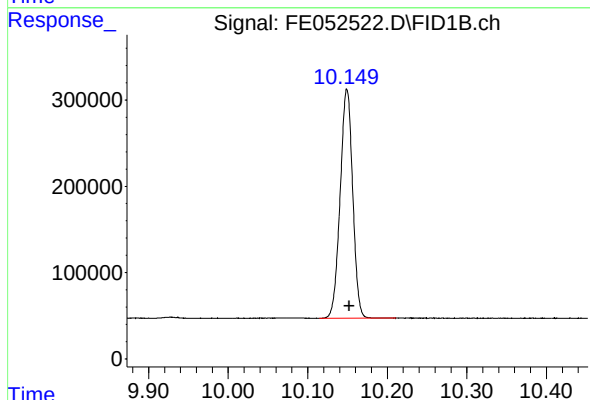
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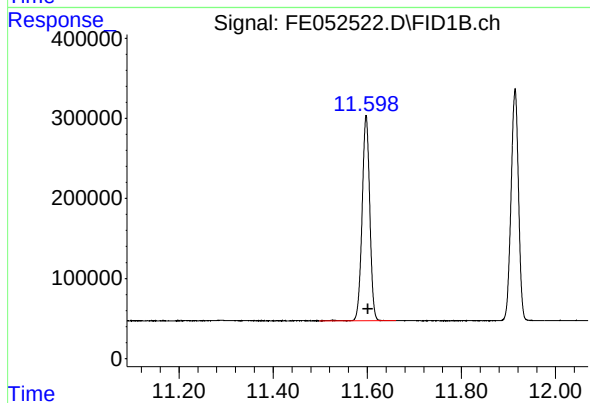
#6 n-Tetradecane (C14)

R.T.: 8.535 min
Delta R.T.: -0.001 min
Response: 2873993
Conc: 18.25 ug/ml



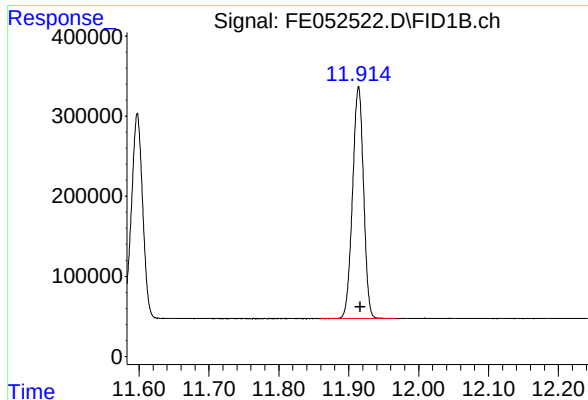
#7 n-Hexadecane (C16)

R.T.: 10.149 min
Delta R.T.: -0.003 min
Response: 2903395
Conc: 17.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.598 min
Delta R.T.: -0.004 min
Response: 2874756
Conc: 17.37 ug/ml



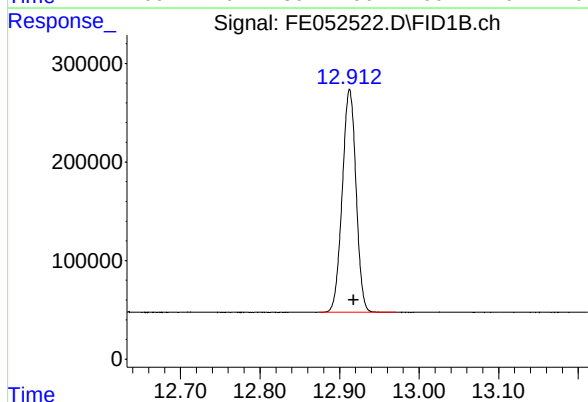
#9 ortho-Terphenyl (SURR)

R.T.: 11.914 min
Delta R.T.: -0.003 min
Response: 3175163
Conc: 16.99 ug/ml

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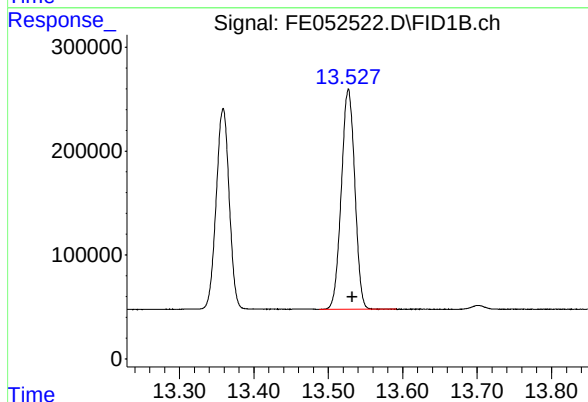
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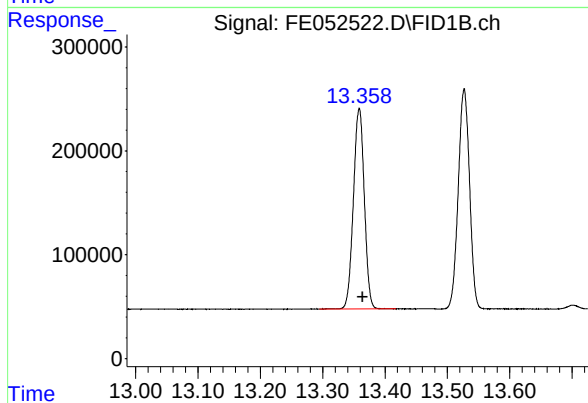
#10 n-Eicosane (C20)

R.T.: 12.913 min
Delta R.T.: -0.005 min
Response: 2721609
Conc: 17.07 ug/ml



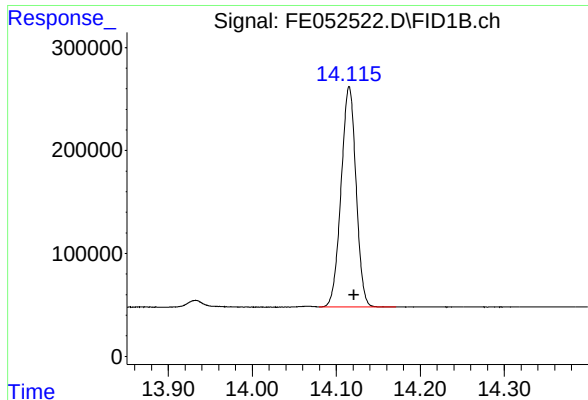
#11 n-Heneicosane (C21)

R.T.: 13.527 min
Delta R.T.: -0.005 min
Response: 2668527
Conc: 17.03 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.359 min
Delta R.T.: -0.006 min
Response: 2355048
Conc: 16.94 ug/ml



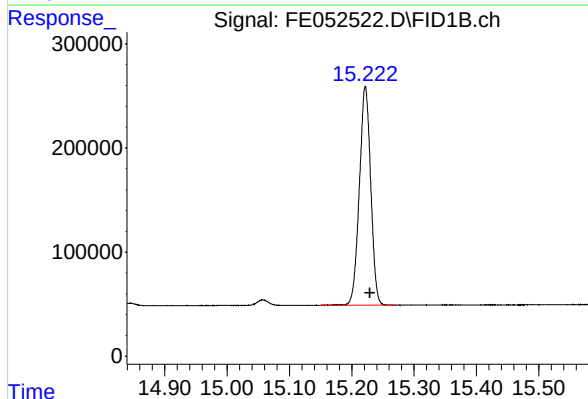
#13 n-Docosane (C22)

R.T.: 14.115 min
Delta R.T.: -0.006 min
Response: 2653613
Conc: 16.96 ug/ml

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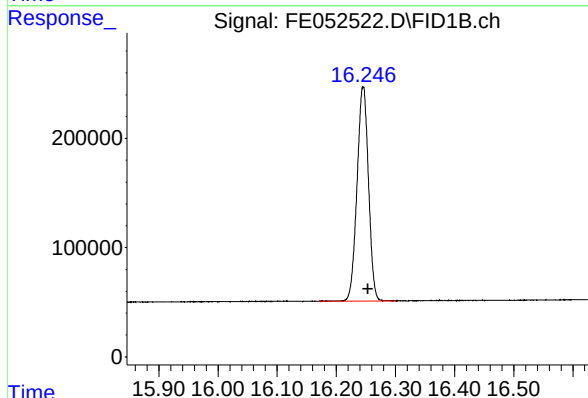
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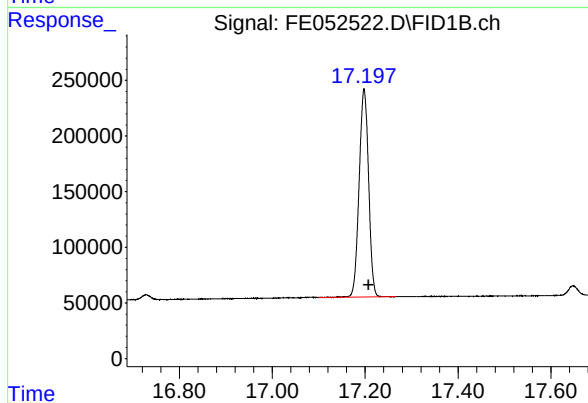
#14 n-Tetracosane (C24)

R.T.: 15.222 min
Delta R.T.: -0.007 min
Response: 2660695
Conc: 16.92 ug/ml



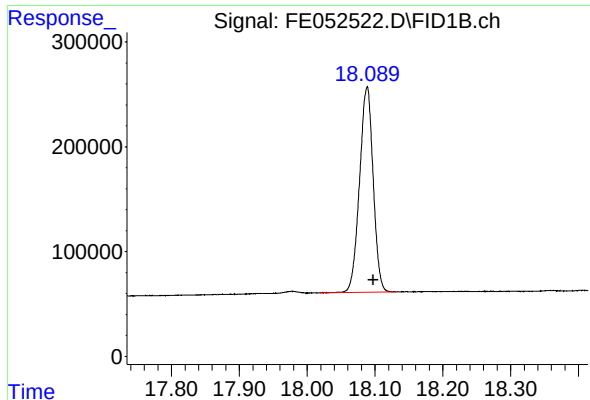
#15 n-Hexacosane (C26)

R.T.: 16.245 min
Delta R.T.: -0.008 min
Response: 2637157
Conc: 17.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.197 min
Delta R.T.: -0.010 min
Response: 2645965
Conc: 17.30 ug/ml m



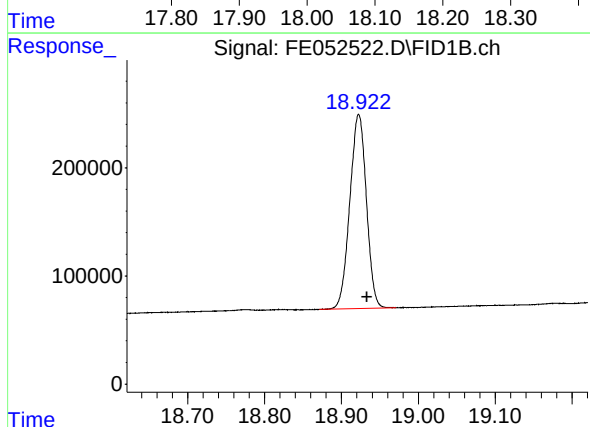
#17 n-Tricontane (C30)

R.T.: 18.088 min
Delta R.T.: -0.009 min
Response: 2738862
Conc: 17.55 ug/ml

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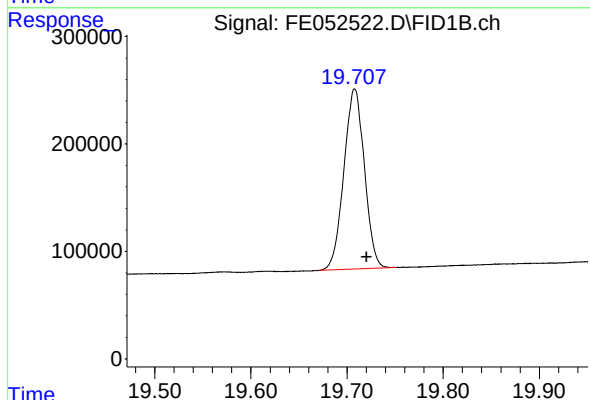
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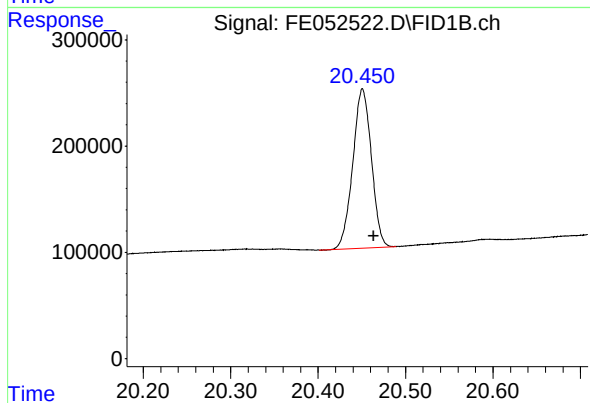
#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: -0.011 min
Response: 2686463
Conc: 17.56 ug/ml



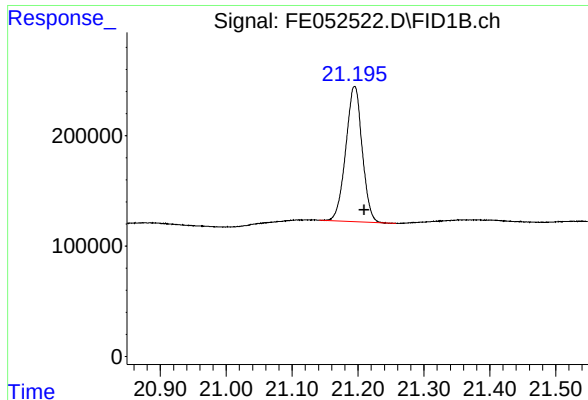
#19 n-Tetratriacontane (C34)

R.T.: 19.708 min
Delta R.T.: -0.013 min
Response: 2489960
Conc: 17.50 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.451 min
Delta R.T.: -0.013 min
Response: 2212955
Conc: 17.76 ug/ml



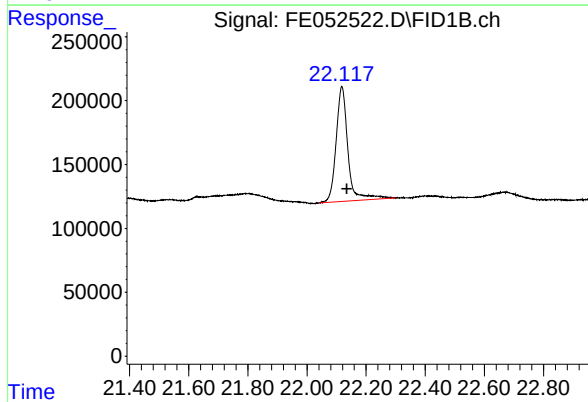
#21 n-Octatriacontane (C38)

R.T.: 21.195 min
Delta R.T.: -0.015 min
Response: 2118206
Conc: 19.38 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.118 min
Delta R.T.: -0.017 min
Response: 2490994
Conc: 24.76 ug/ml