

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091523AL\
 Data File : FE044300.D
 Signal(s) : FID1B.ch
 Acq On : 15 Sep 2023 06:41
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :Ankita Jodhani 09/15/2023

Integration File: autoint1.e
 Quant Time: Sep 15 08:33:26 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)	11.929	3288200	17.357 ug/ml
Spiked Amount 50.000		Recovery =	34.71%
12) S 1-chlorooctadecane (S...	13.368	2466692	17.856 ug/ml
Spiked Amount 50.000		Recovery =	35.71%
Target Compounds			
1) T n-Nonane (C9)	3.316	2530997	15.515 ug/ml
2) T n-Decane (C10)	4.567	2698915	16.238 ug/ml
3) T A~Naphthalene (C11.7)	6.269	2933038	16.379 ug/ml
4) T n-Dodecane (C12)	6.732	2753689	16.374 ug/ml
5) T A~2-methylnaphthalene...	7.364	2888635	16.850 ug/ml
6) T n-Tetradecane (C14)	8.558	2759030	16.452 ug/ml
7) T n-Hexadecane (C16)	10.167	2845411	16.463 ug/ml
8) T n-Octadecane (C18)	11.612	2860221	16.431 ug/ml
10) T n-Eicosane (C20)	12.923	2758060	16.674 ug/ml
11) T n-Heneicosane (C21)	13.535	2696821	16.672 ug/ml
13) T n-Docosane (C22)	14.123	2665379	16.684 ug/ml
14) T n-Tetracosane (C24)	15.226	2606038	16.665 ug/ml
15) T n-Hexacosane (C26)	16.249	2559021	16.975 ug/ml
16) T n-Octacosane (C28)	17.199	2609487	18.082 ug/ml
17) T n-Tricontane (C30)	18.089	2919036	20.092 ug/ml
18) T n-Dotriacontane (C32)	18.922	3052362	21.428 ug/ml
19) T n-Tetratriacontane (C34)	19.708	2862661	20.456 ug/ml
20) T n-Hexatriacontane (C36)	20.450	2734283	19.945 ug/ml
21) T n-Octatriacontane (C38)	21.192	2660635	19.167 ug/ml
22) T n-Tetracontane (C40)	22.115	2713840	19.628 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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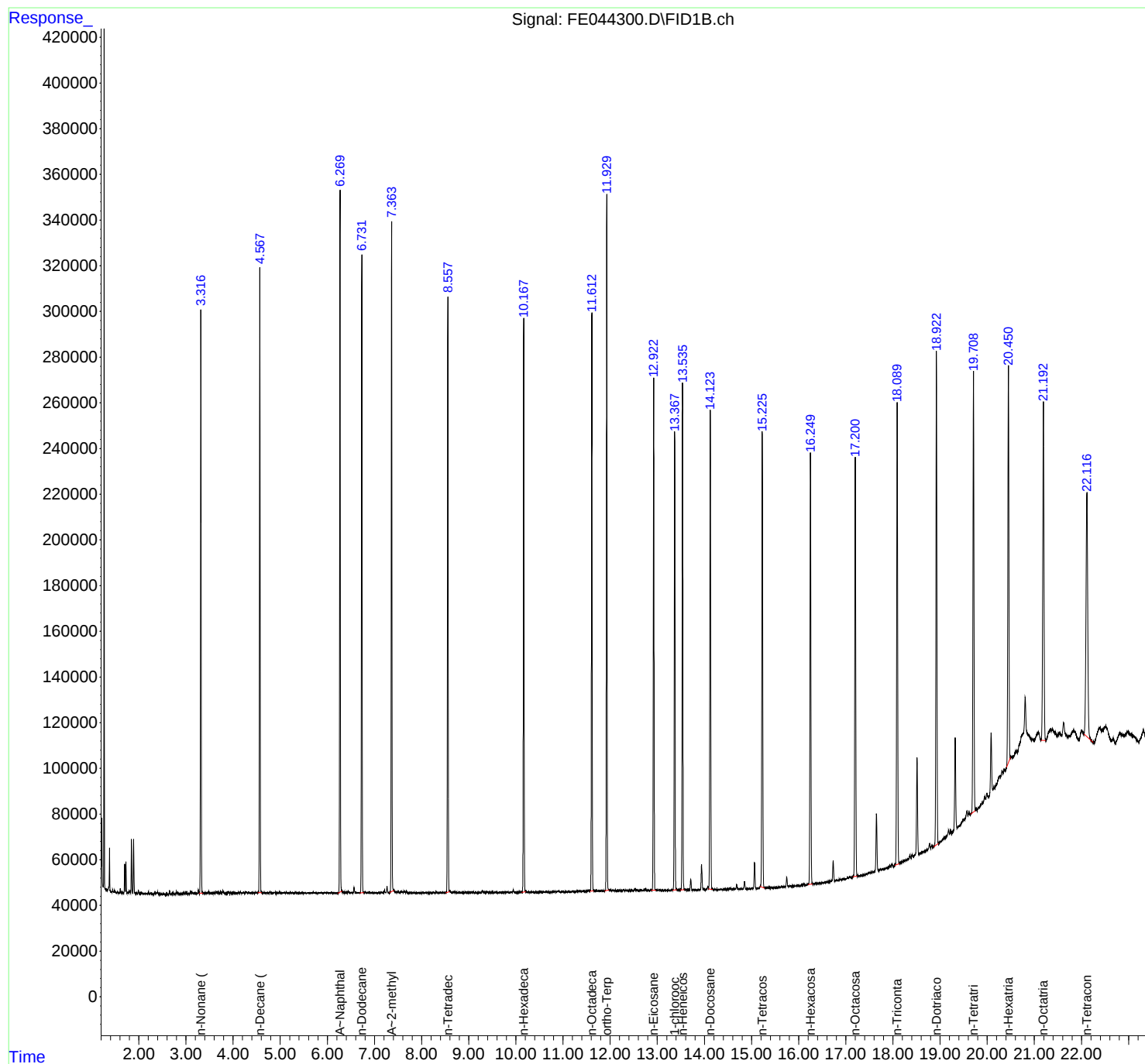
Instrument :
FID_E
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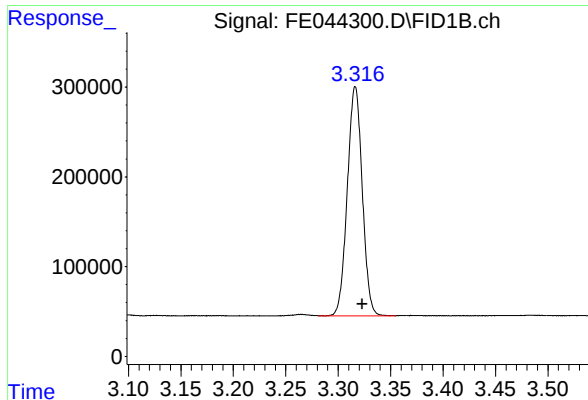
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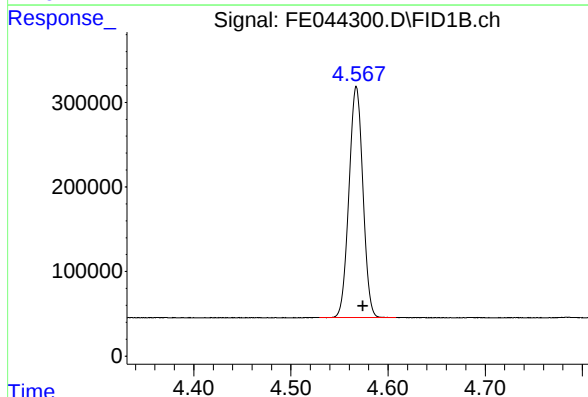
#1 n-Nonane (C9)

R.T.: 3.316 min
Delta R.T.: -0.007 min
Response: 2530997
Conc: 15.51 ug/ml

Instrument :
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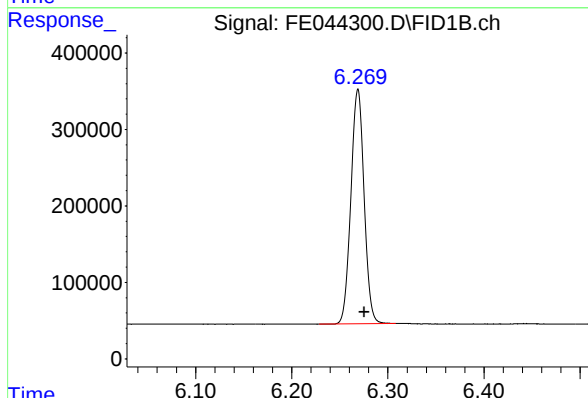
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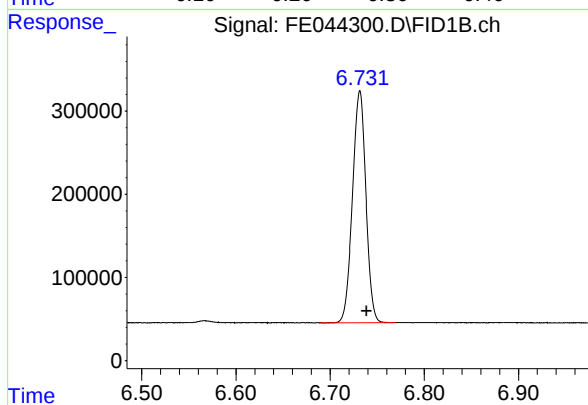
#2 n-Decane (C10)

R.T.: 4.567 min
Delta R.T.: -0.007 min
Response: 2698915
Conc: 16.24 ug/ml



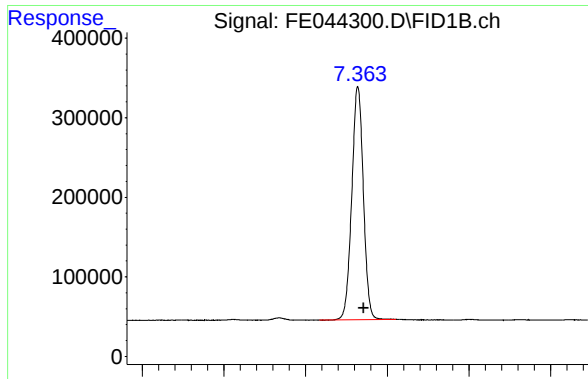
#3 A~Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: -0.006 min
Response: 2933038
Conc: 16.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.732 min
Delta R.T.: -0.007 min
Response: 2753689
Conc: 16.37 ug/ml



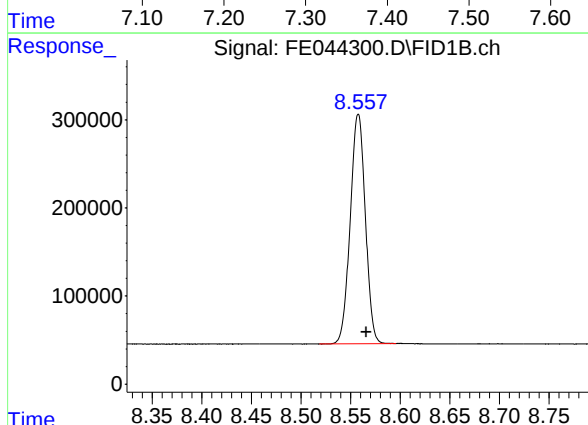
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.364 min
Delta R.T.: -0.007 min
Response: 2888635
Conc: 16.85 ug/ml

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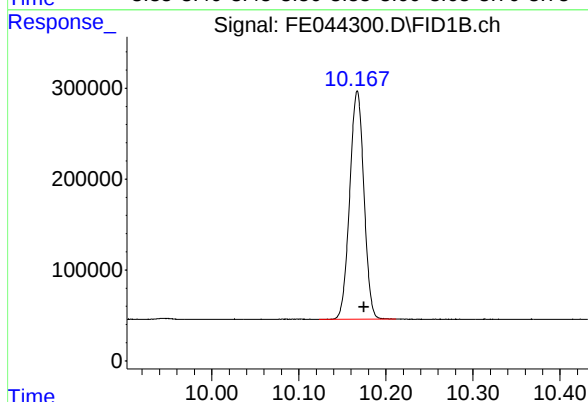
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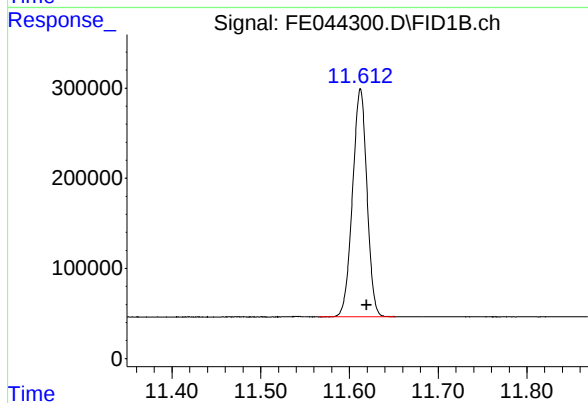
#6 n-Tetradecane (C14)

R.T.: 8.558 min
Delta R.T.: -0.008 min
Response: 2759030
Conc: 16.45 ug/ml



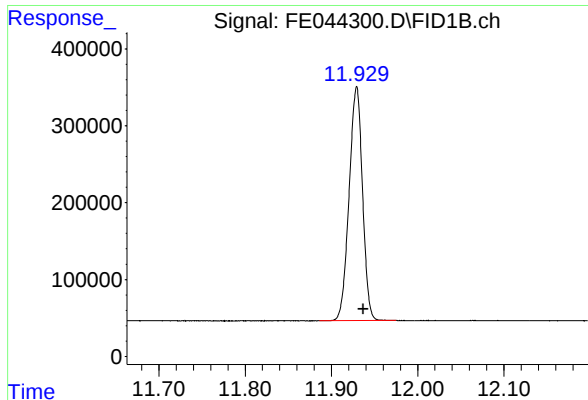
#7 n-Hexadecane (C16)

R.T.: 10.167 min
Delta R.T.: -0.008 min
Response: 2845411
Conc: 16.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.612 min
Delta R.T.: -0.007 min
Response: 2860221
Conc: 16.43 ug/ml



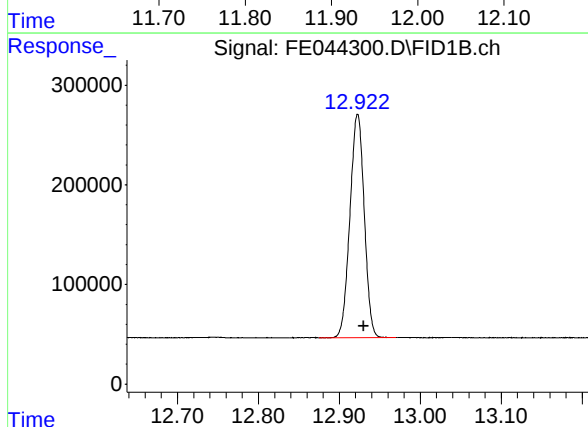
#9 ortho-Terphenyl (SURR)

R.T.: 11.929 min
Delta R.T.: -0.007 min
Response: 3288200
Conc: 17.36 ug/ml

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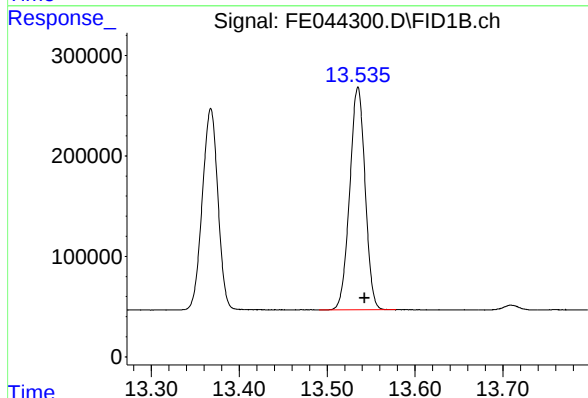
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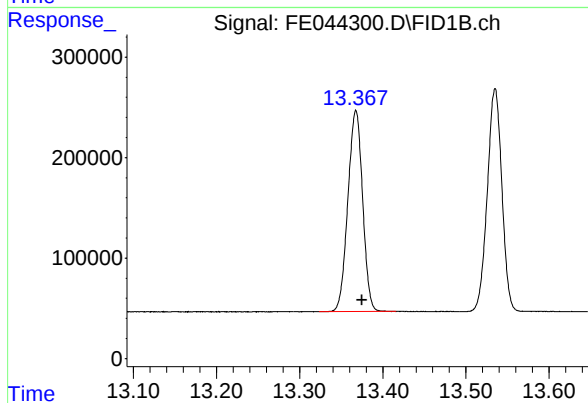
#10 n-Eicosane (C20)

R.T.: 12.923 min
Delta R.T.: -0.007 min
Response: 2758060
Conc: 16.67 ug/ml



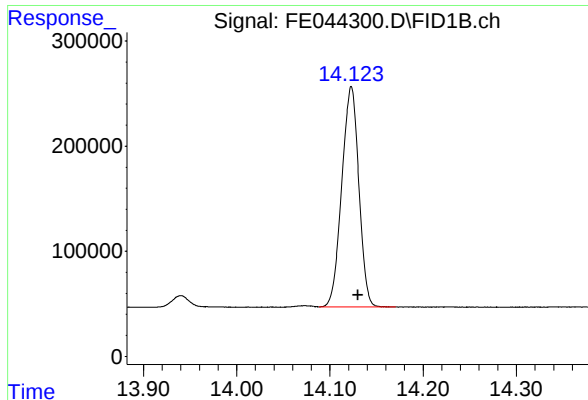
#11 n-Heneicosane (C21)

R.T.: 13.535 min
Delta R.T.: -0.008 min
Response: 2696821
Conc: 16.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.368 min
Delta R.T.: -0.007 min
Response: 2466692
Conc: 17.86 ug/ml



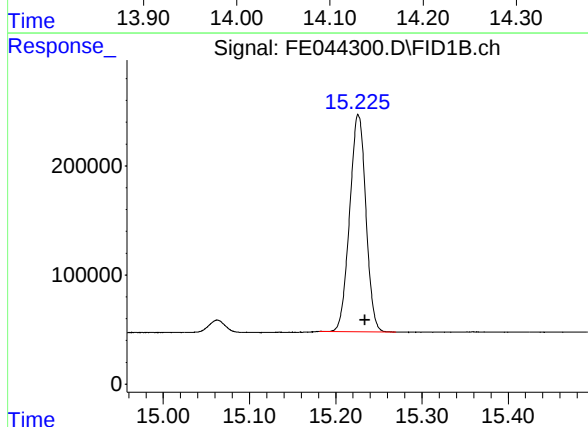
#13 n-Docosane (C22)

R.T.: 14.123 min
Delta R.T.: -0.007 min
Response: 2665379
Conc: 16.68 ug/ml

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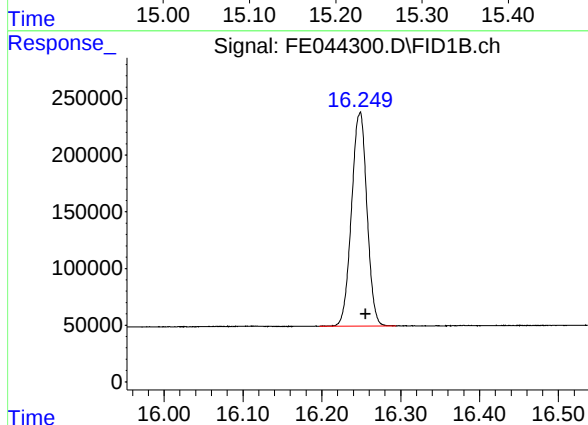
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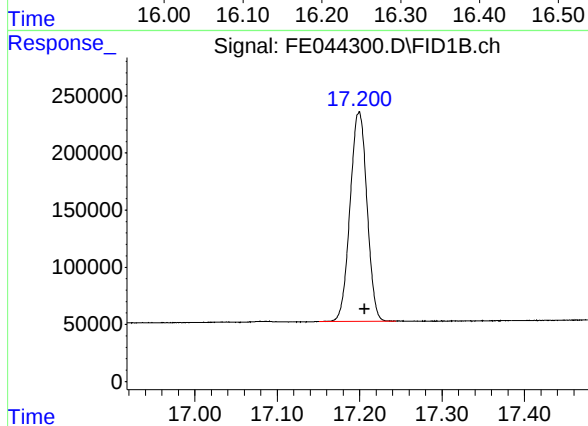
#14 n-Tetracosane (C24)

R.T.: 15.226 min
Delta R.T.: -0.008 min
Response: 2606038
Conc: 16.67 ug/ml



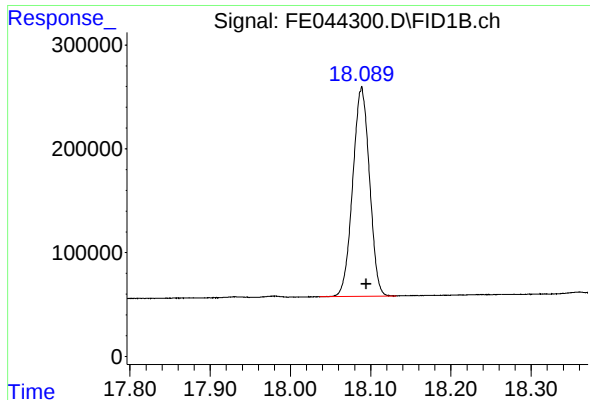
#15 n-Hexacosane (C26)

R.T.: 16.249 min
Delta R.T.: -0.007 min
Response: 2559021
Conc: 16.97 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.199 min
Delta R.T.: -0.007 min
Response: 2609487
Conc: 18.08 ug/ml



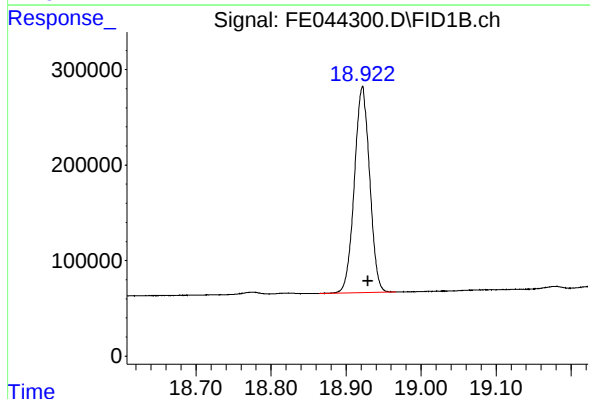
#17 n-Tricontane (C30)

R.T.: 18.089 min
Delta R.T.: -0.006 min
Response: 2919036
Conc: 20.09 ug/ml

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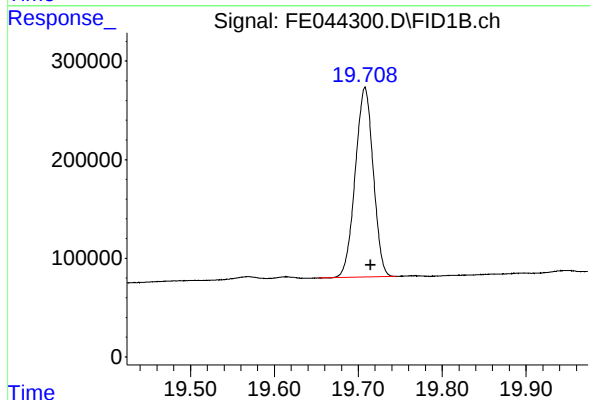
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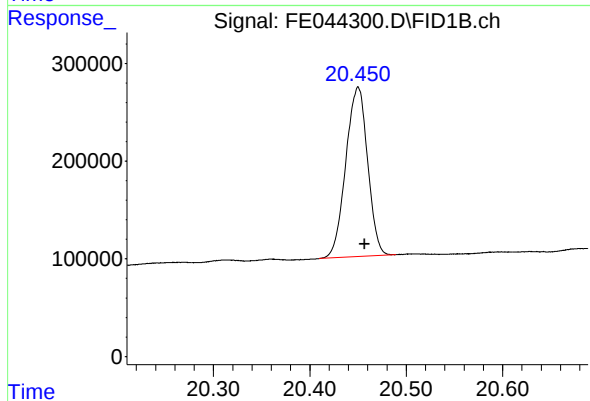
#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: -0.008 min
Response: 3052362
Conc: 21.43 ug/ml



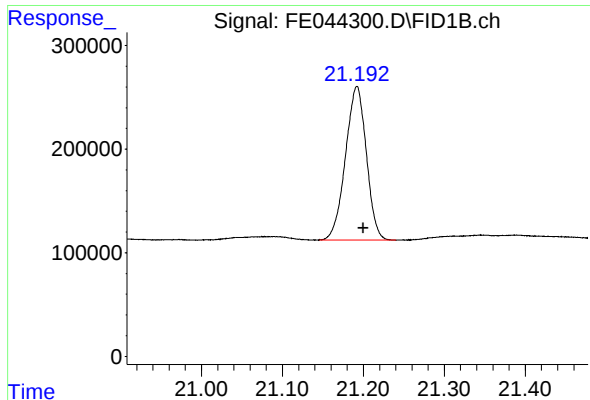
#19 n-Tetatriacontane (C34)

R.T.: 19.708 min
Delta R.T.: -0.007 min
Response: 2862661
Conc: 20.46 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.450 min
Delta R.T.: -0.007 min
Response: 2734283
Conc: 19.94 ug/ml m



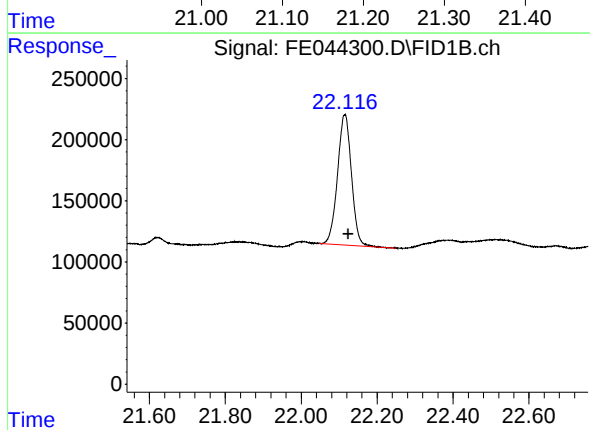
#21 n-Octatriacontane (C38)

R.T.: 21.192 min
Delta R.T.: -0.008 min
Response: 2660635
Conc: 19.17 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.115 min
Delta R.T.: -0.009 min
Response: 2713840
Conc: 19.63 ug/ml