

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102122AL\
 Data File : FE038262.D
 Signal(s) : FID1B.ch
 Acq On : 21 Oct 2022 14:25
 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 10/21/2022
 Supervised By :Ankita Jodhani 10/24/2022

Integration File: sample.E
 Quant Time: Oct 21 15:24:51 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 092822.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 28 06:23:29 2022
 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)	11.599	2937603	16.984 ug/ml
Spiked Amount 50.000		Recovery =	33.97%
12) S 1-chlorooctadecane (S...	13.020	2285606	16.910 ug/ml
Spiked Amount 50.000		Recovery =	33.82%
Target Compounds			
1) T n-Nonane (C9)	2.989	2832745	19.234 ug/mlm
2) T n-Decane (C10)	4.247	2879136	19.474 ug/ml
3) T A~Naphthalene (C11.7)	5.972	2654301	19.383 ug/ml
4) T n-Dodecane (C12)	6.421	2943938	19.320 ug/ml
5) T A~2-methylnaphthalene...	7.066	2551372	19.197 ug/ml
6) T n-Tetradecane (C14)	8.240	2907595	18.997 ug/ml
7) T n-Hexadecane (C16)	9.839	2902100	18.580 ug/ml
8) T n-Octadecane (C18)	11.274	2867076	17.875 ug/ml
10) T n-Eicosane (C20)	12.576	2794826	17.139 ug/ml
11) T n-Heneicosane (C21)	13.184	2761975	16.763 ug/ml
13) T n-Docosane (C22)	13.767	2721909	16.535 ug/ml
14) T n-Tetracosane (C24)	14.864	2650362	16.160 ug/ml
15) T n-Hexacosane (C26)	15.880	2602025	15.957 ug/ml
16) T n-Octacosane (C28)	16.825	2602253	16.244 ug/ml
17) T n-Tricontane (C30)	17.709	2731876	17.071 ug/ml
18) T n-Dotriacontane (C32)	18.537	2759809	17.526 ug/ml
19) T n-Tetratriacontane (C34)	19.317	2715910	18.331 ug/ml
20) T n-Hexatriacontane (C36)	20.054	2815583	19.530 ug/mlm
21) T n-Octatriacontane (C38)	20.750	2878692	21.214 ug/ml
22) T n-Tetracontane (C40)	21.519	2982245	23.428 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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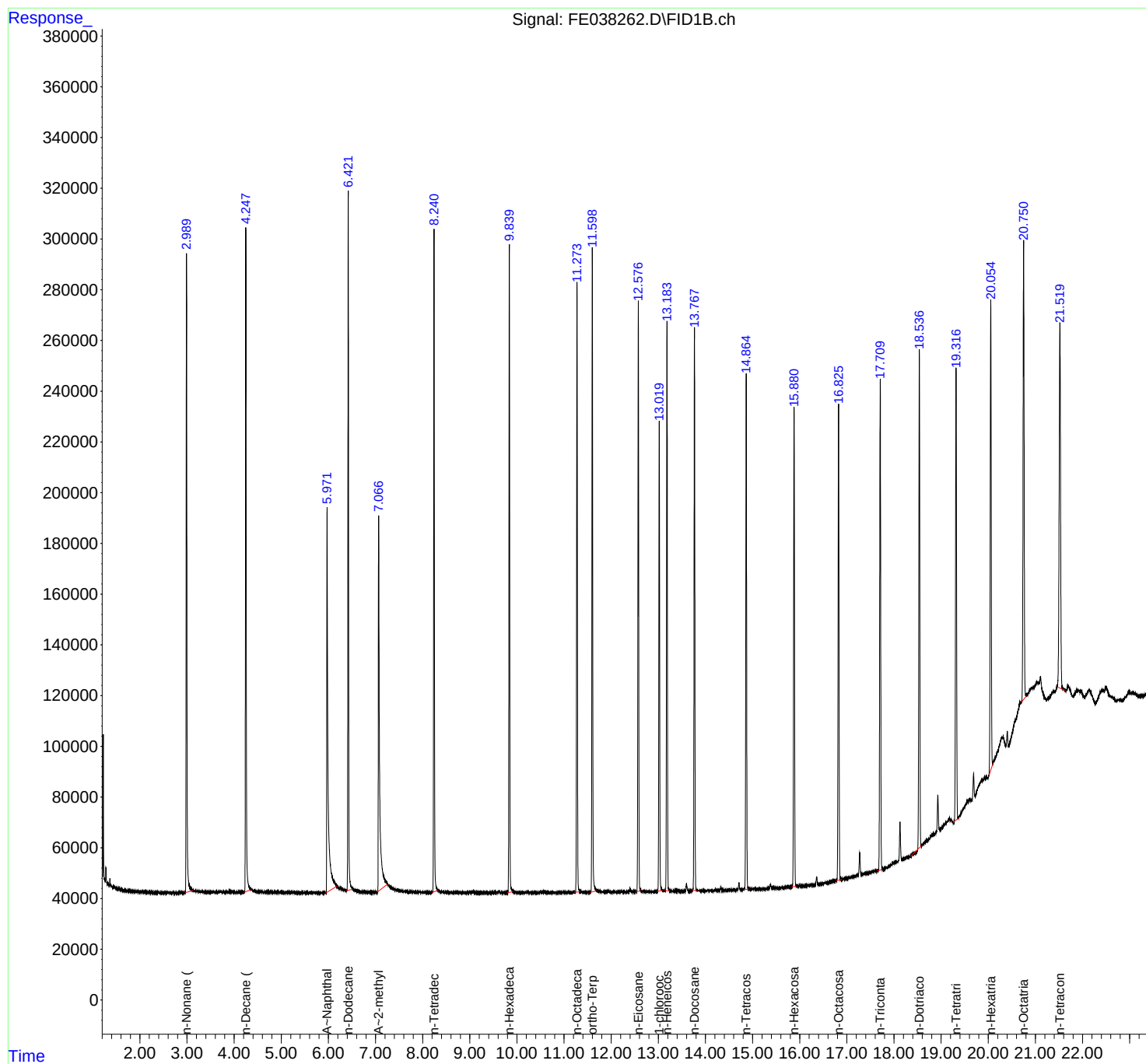
Instrument :
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20 PPM ALIPHATIC HC STD

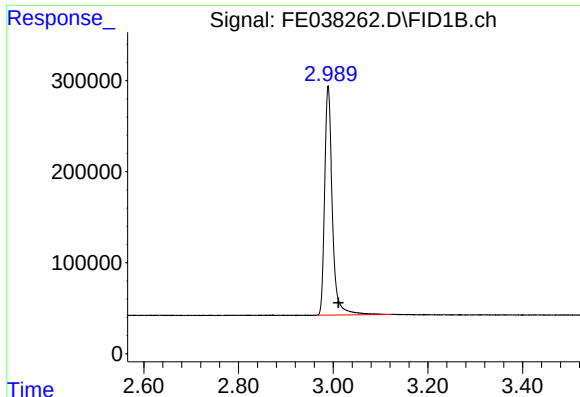
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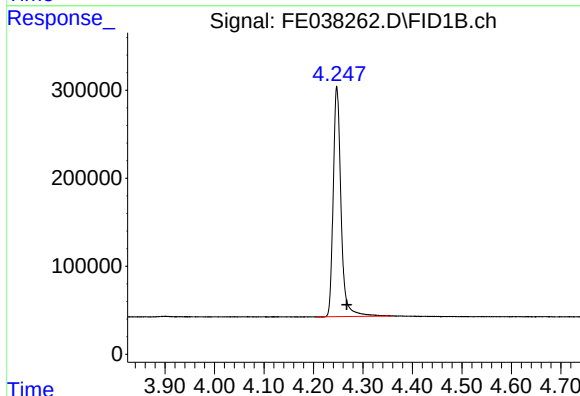
#1 n-Nonane (C9)

R.T.: 2.989 min
Delta R.T.: -0.022 min
Response: 2832745
Conc: 19.23 ug/ml

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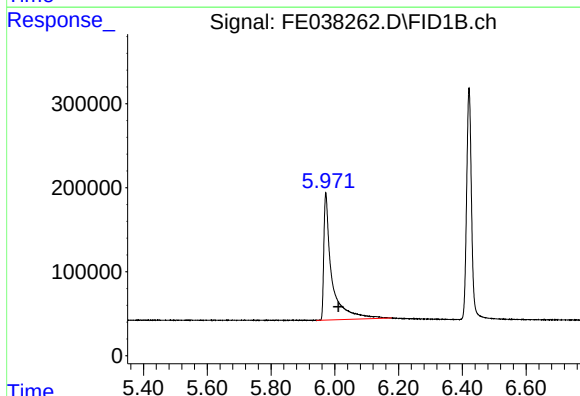
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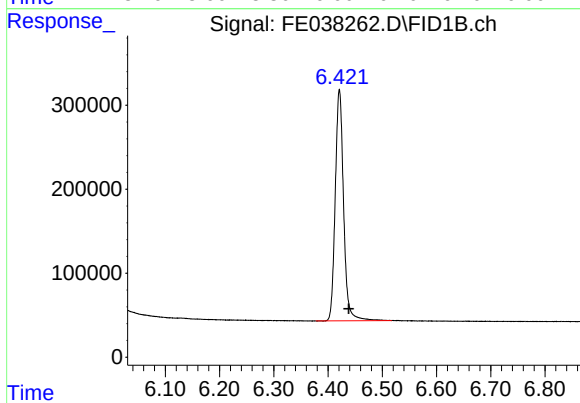
#2 n-Decane (C10)

R.T.: 4.247 min
Delta R.T.: -0.020 min
Response: 2879136
Conc: 19.47 ug/ml



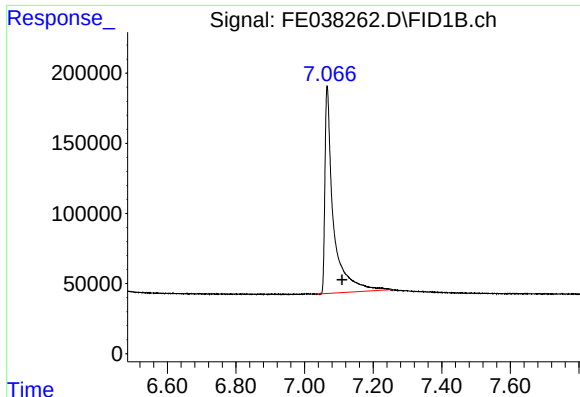
#3 A~Naphthalene (C11.7)

R.T.: 5.972 min
Delta R.T.: -0.039 min
Response: 2654301
Conc: 19.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.421 min
Delta R.T.: -0.017 min
Response: 2943938
Conc: 19.32 ug/ml



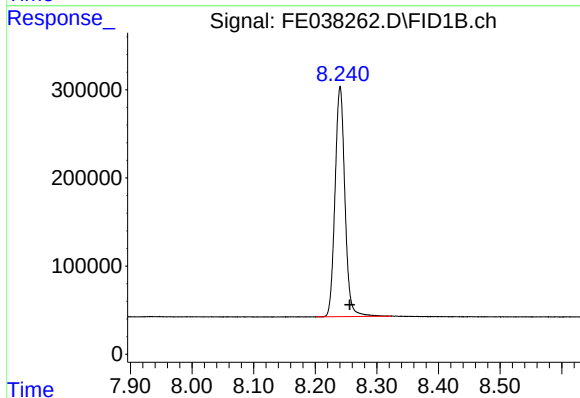
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.066 min
Delta R.T.: -0.044 min
Response: 2551372
Conc: 19.20 ug/ml

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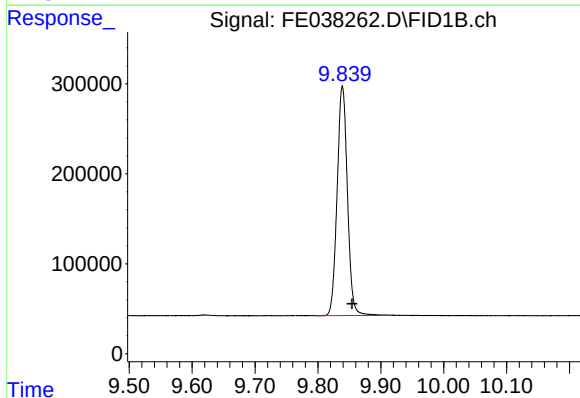
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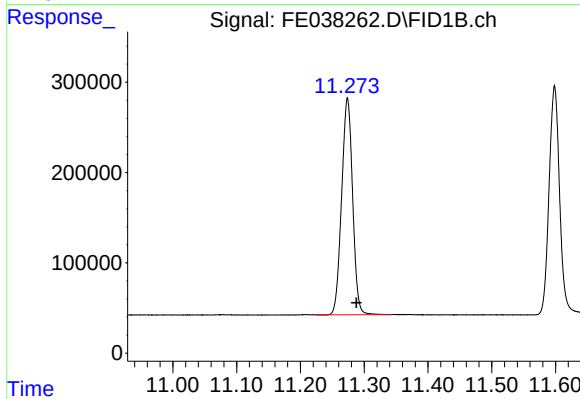
#6 n-Tetradecane (C14)

R.T.: 8.240 min
Delta R.T.: -0.016 min
Response: 2907595
Conc: 19.00 ug/ml



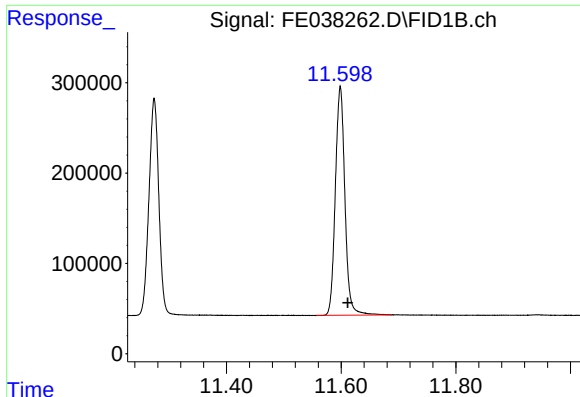
#7 n-Hexadecane (C16)

R.T.: 9.839 min
Delta R.T.: -0.015 min
Response: 2902100
Conc: 18.58 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.274 min
Delta R.T.: -0.014 min
Response: 2867076
Conc: 17.87 ug/ml



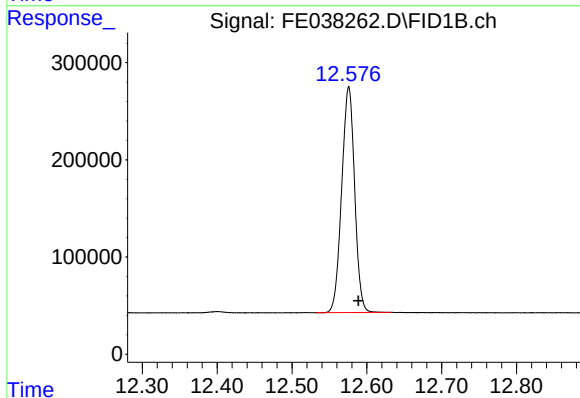
#9 ortho-Terphenyl (SURR)

R.T.: 11.599 min
Delta R.T.: -0.013 min
Response: 2937603
Conc: 16.98 ug/ml

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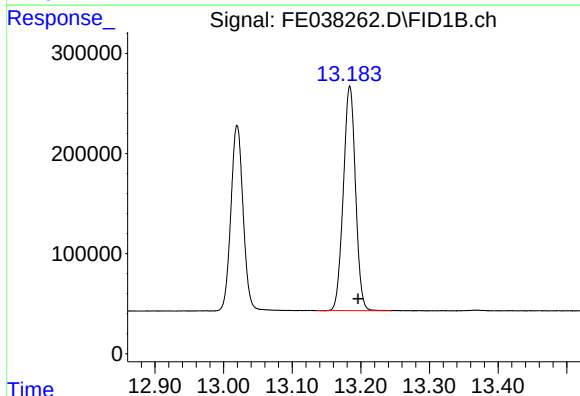
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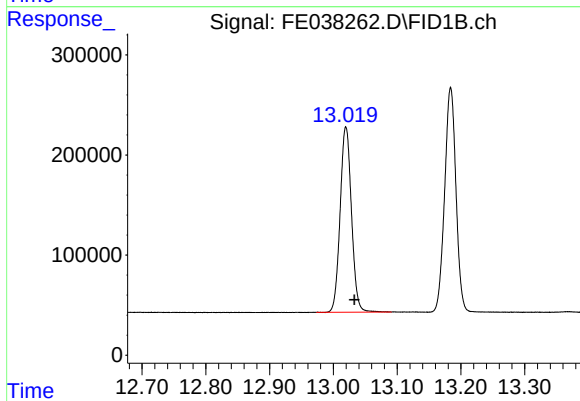
#10 n-Eicosane (C20)

R.T.: 12.576 min
Delta R.T.: -0.013 min
Response: 2794826
Conc: 17.14 ug/ml



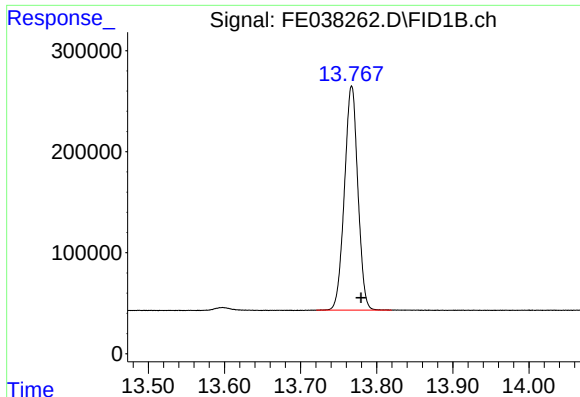
#11 n-Heneicosane (C21)

R.T.: 13.184 min
Delta R.T.: -0.012 min
Response: 2761975
Conc: 16.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.020 min
Delta R.T.: -0.013 min
Response: 2285606
Conc: 16.91 ug/ml



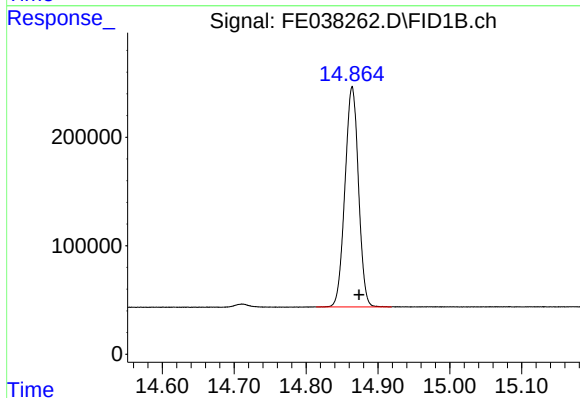
#13 n-Docosane (C22)

R.T.: 13.767 min
Delta R.T.: -0.012 min
Response: 2721909
Conc: 16.54 ug/ml

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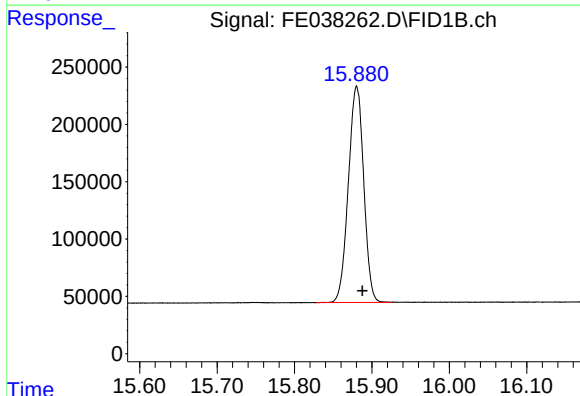
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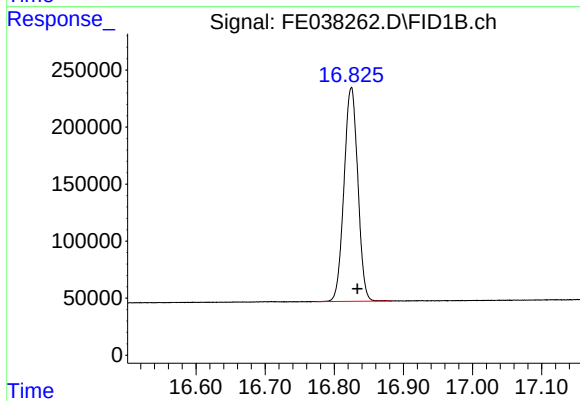
#14 n-Tetracosane (C24)

R.T.: 14.864 min
Delta R.T.: -0.010 min
Response: 2650362
Conc: 16.16 ug/ml



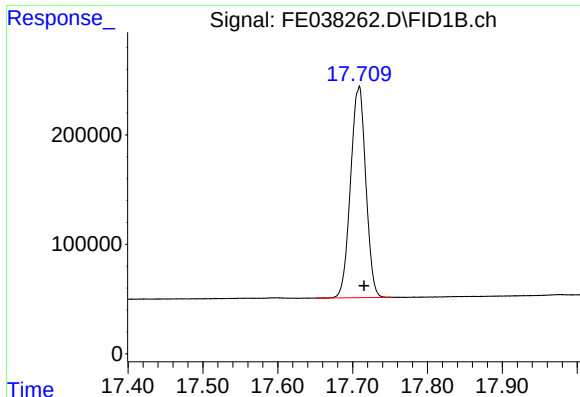
#15 n-Hexacosane (C26)

R.T.: 15.880 min
Delta R.T.: -0.008 min
Response: 2602025
Conc: 15.96 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.825 min
Delta R.T.: -0.009 min
Response: 2602253
Conc: 16.24 ug/ml



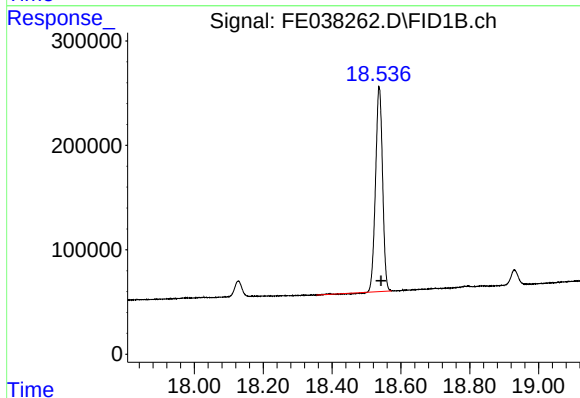
#17 n-Tricontane (C30)

R.T.: 17.709 min
Delta R.T.: -0.007 min
Response: 2731876
Conc: 17.07 ug/ml

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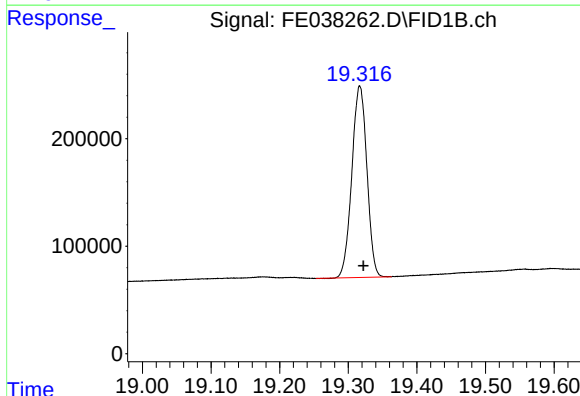
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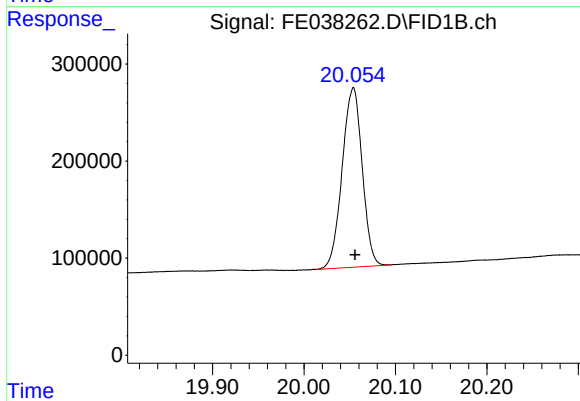
#18 n-Dotriacontane (C32)

R.T.: 18.537 min
Delta R.T.: -0.005 min
Response: 2759809
Conc: 17.53 ug/ml



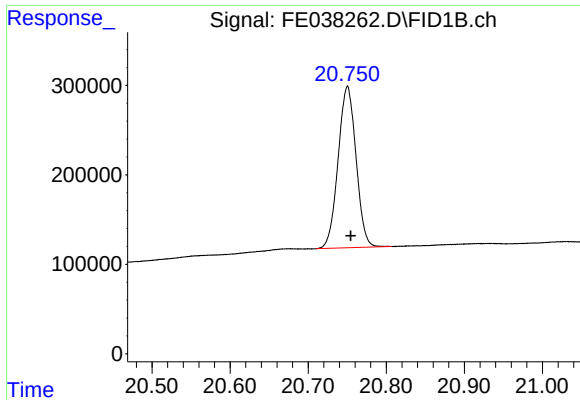
#19 n-Tetratriacontane (C34)

R.T.: 19.317 min
Delta R.T.: -0.005 min
Response: 2715910
Conc: 18.33 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.054 min
Delta R.T.: -0.002 min
Response: 2815583
Conc: 19.53 ug/ml m



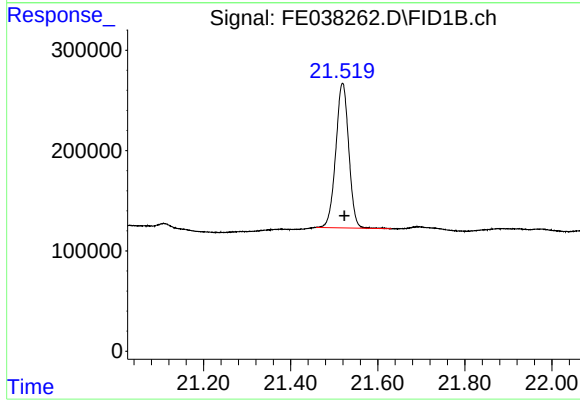
#21 n-Octatriacontane (C38)

R.T.: 20.750 min
Delta R.T.: -0.004 min
Response: 2878692
Conc: 21.21 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.519 min
Delta R.T.: -0.004 min
Response: 2982245
Conc: 23.43 ug/ml