

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101724AL\
 Data File : FE050712.D
 Signal(s) : FID1B.ch
 Acq On : 17 Oct 2024 12:39
 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 10/18/2024
 Supervised By :Ankita Jodhani 10/18/2024

Integration File: sample.E
 Quant Time: Oct 18 03:47:01 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.860	3313637	21.018 ug/ml
Spiked Amount 50.000		Recovery =	42.04%
12) S 1-chlorooctadecane (S...	13.294	2514972	21.260 ug/ml
Spiked Amount 50.000		Recovery =	42.52%
Target Compounds			
1) T n-Nonane (C9)	3.249	3015454	21.342 ug/ml
2) T n-Decane (C10)	4.500	3110696	21.681 ug/ml
3) T A~Naphthalene (C11.7)	6.211	3131846	21.902 ug/ml
4) T n-Dodecane (C12)	6.667	3134537	21.778 ug/ml
5) T A~2-methylnaphthalene...	7.306	2912647	21.986 ug/ml
6) T n-Tetradecane (C14)	8.494	3090494	21.602 ug/ml
7) T n-Hexadecane (C16)	10.099	3167677	21.524 ug/ml
8) T n-Octadecane (C18)	11.541	3177367	21.272 ug/ml
10) T n-Eicosane (C20)	12.848	3024660	21.092 ug/ml
11) T n-Heneicosane (C21)	13.459	2955818	21.048 ug/ml
13) T n-Docosane (C22)	14.044	2927242	20.865 ug/ml
14) T n-Tetracosane (C24)	15.145	2926943	20.718 ug/ml
15) T n-Hexacosane (C26)	16.165	2922747	20.770 ug/ml
16) T n-Octacosane (C28)	17.114	2924336	19.984 ug/mlm
17) T n-Tricontane (C30)	18.000	3099522	19.494 ug/ml
18) T n-Dotriacontane (C32)	18.833	3131418	19.316 ug/ml
19) T n-Tetratriacontane (C34)	19.615	2838254	19.322 ug/ml
20) T n-Hexatriacontane (C36)	20.354	2622976	20.684 ug/ml
21) T n-Octatriacontane (C38)	21.079	2537390	20.521 ug/ml
22) T n-Tetracontane (C40)	21.964	2304026	20.692 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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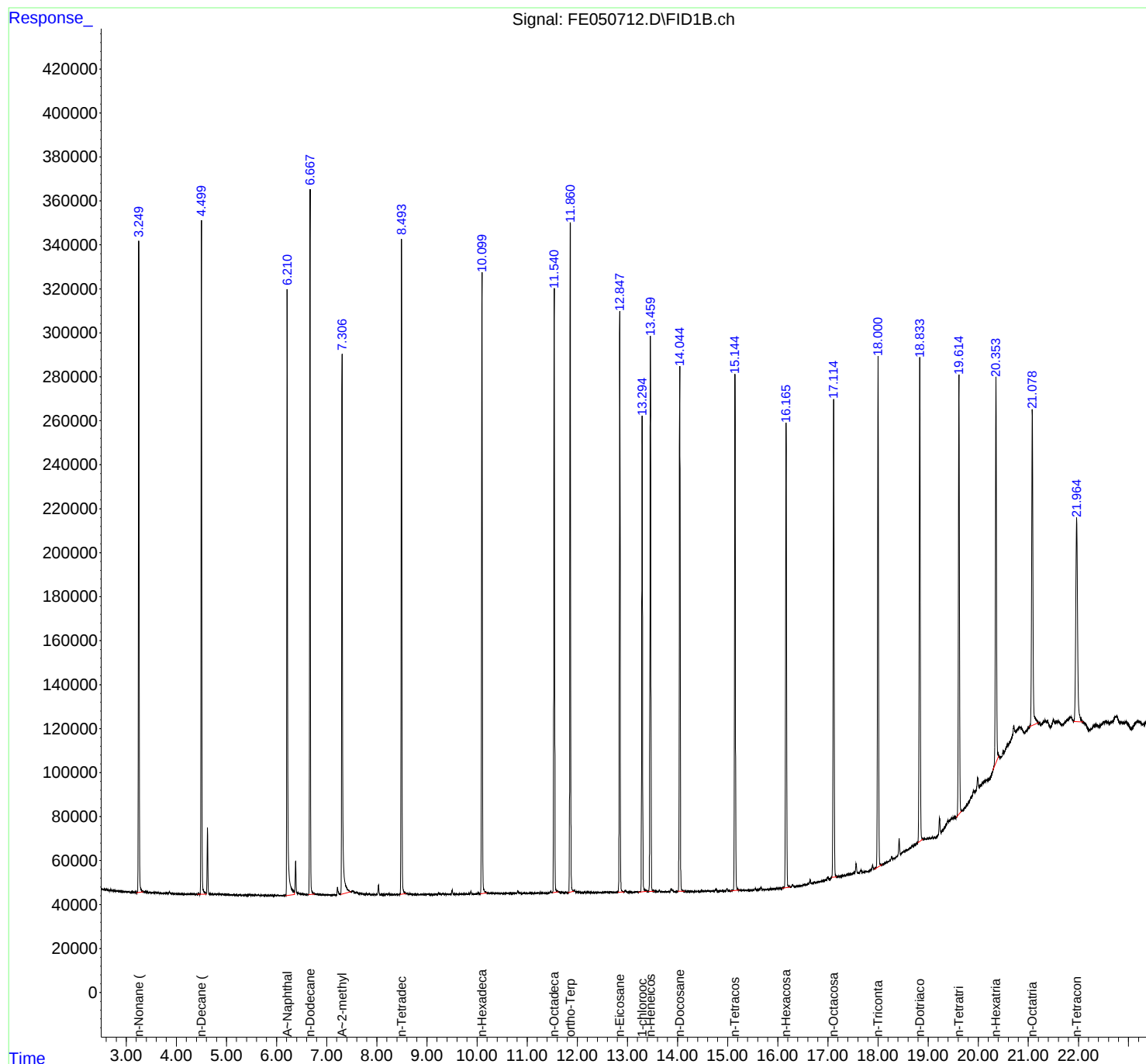
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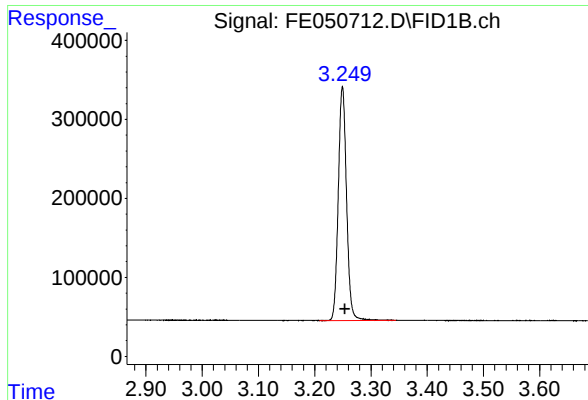
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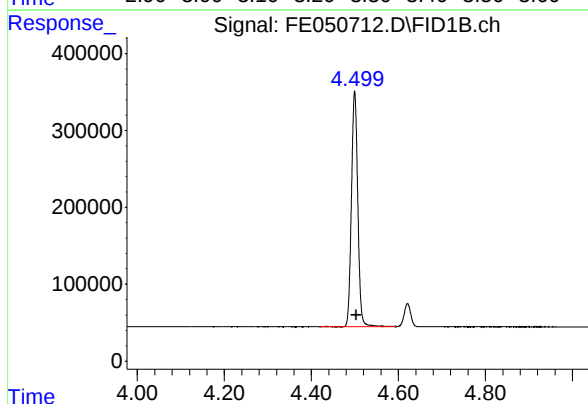
#1 n-Nonane (C9)

R.T.: 3.249 min
Delta R.T.: -0.005 min
Response: 3015454
Conc: 21.34 ug/ml

Instrument : FID_E
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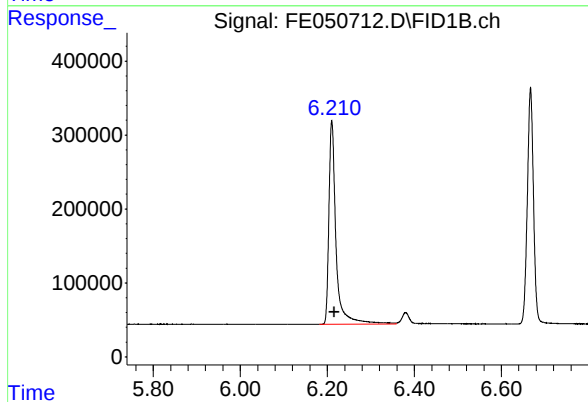
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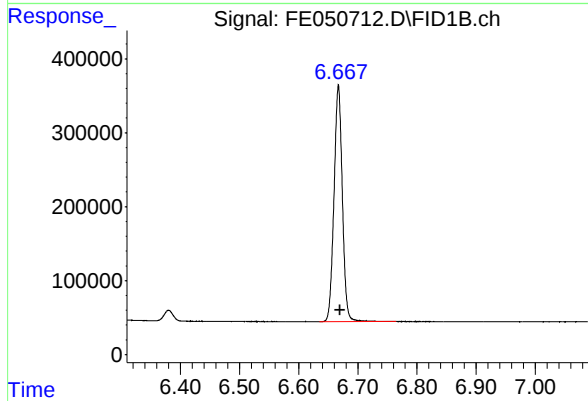
#2 n-Decane (C10)

R.T.: 4.500 min
Delta R.T.: -0.003 min
Response: 3110696
Conc: 21.68 ug/ml



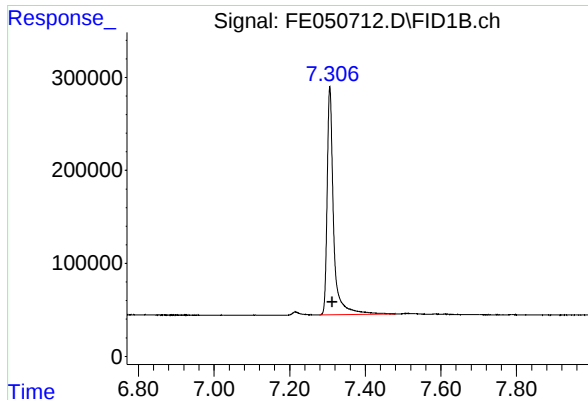
#3 A~Naphthalene (C11.7)

R.T.: 6.211 min
Delta R.T.: -0.006 min
Response: 3131846
Conc: 21.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.667 min
Delta R.T.: -0.003 min
Response: 3134537
Conc: 21.78 ug/ml



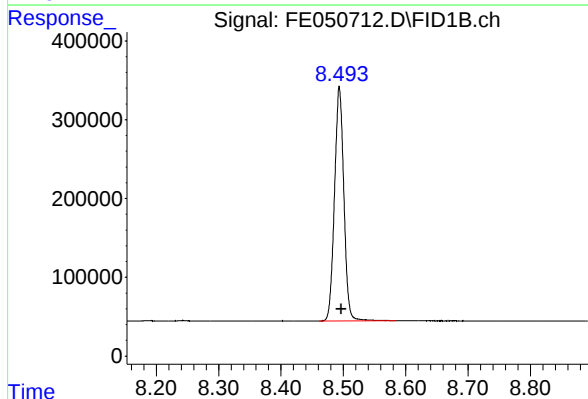
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.306 min
Delta R.T.: -0.006 min
Response: 2912647
Conc: 21.99 ug/ml

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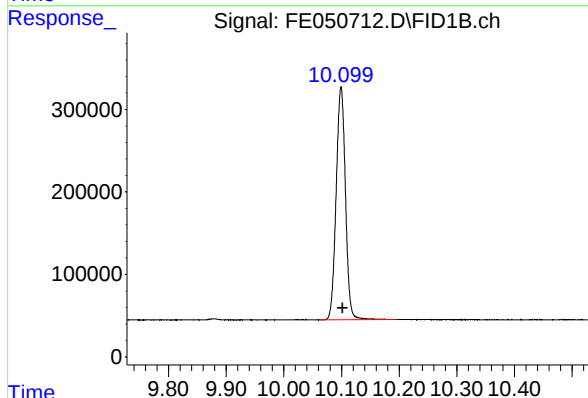
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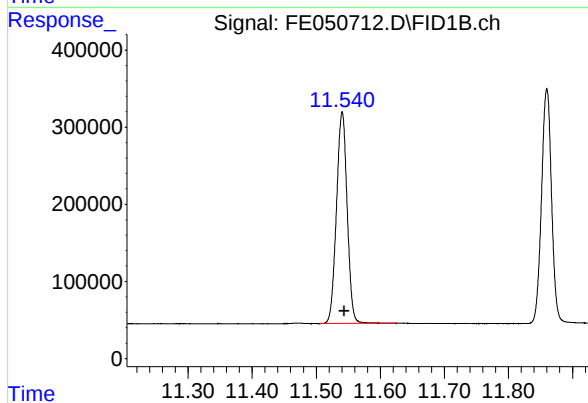
#6 n-Tetradecane (C14)

R.T.: 8.494 min
Delta R.T.: -0.003 min
Response: 3090494
Conc: 21.60 ug/ml



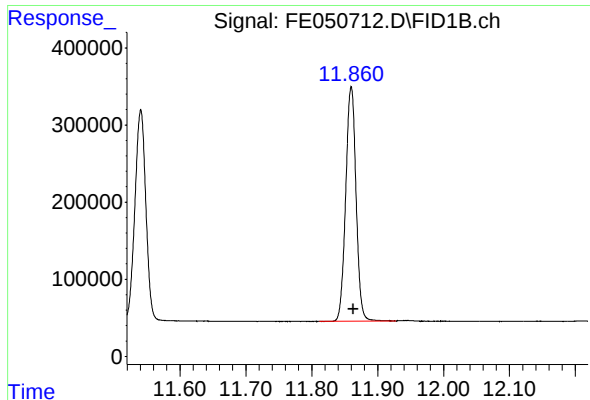
#7 n-Hexadecane (C16)

R.T.: 10.099 min
Delta R.T.: -0.003 min
Response: 3167677
Conc: 21.52 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.541 min
Delta R.T.: -0.003 min
Response: 3177367
Conc: 21.27 ug/ml



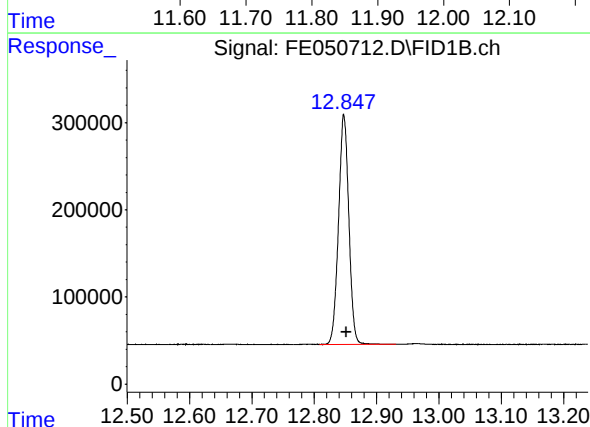
#9 ortho-Terphenyl (SURR)

R.T.: 11.860 min
Delta R.T.: -0.003 min
Response: 3313637
Conc: 21.02 ug/ml

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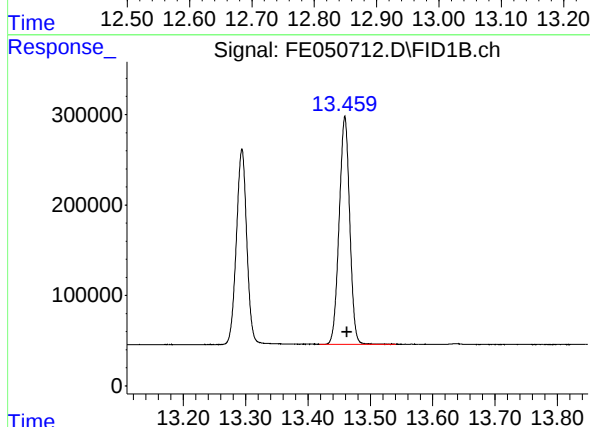
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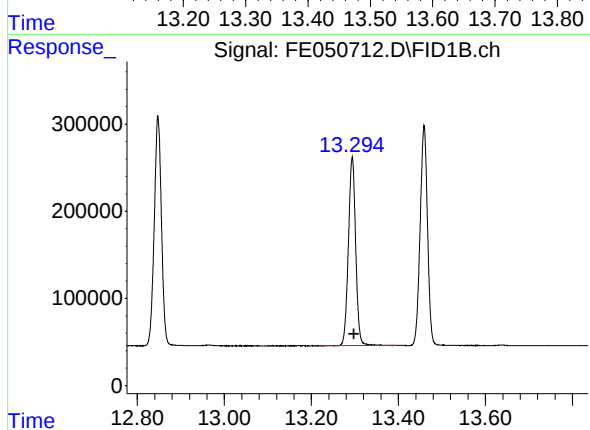
#10 n-Eicosane (C20)

R.T.: 12.848 min
Delta R.T.: -0.004 min
Response: 3024660
Conc: 21.09 ug/ml



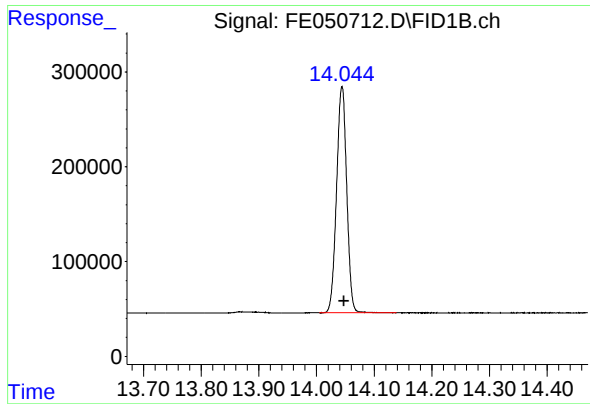
#11 n-Heneicosane (C21)

R.T.: 13.459 min
Delta R.T.: -0.004 min
Response: 2955818
Conc: 21.05 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.294 min
Delta R.T.: -0.004 min
Response: 2514972
Conc: 21.26 ug/ml



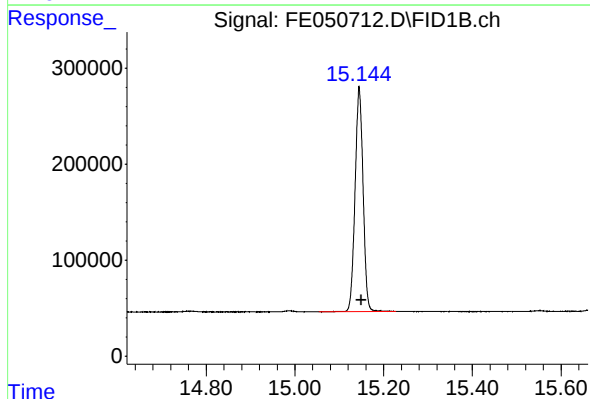
#13 n-Docosane (C22)

R.T.: 14.044 min
Delta R.T.: -0.004 min
Response: 2927242
Conc: 20.86 ug/ml

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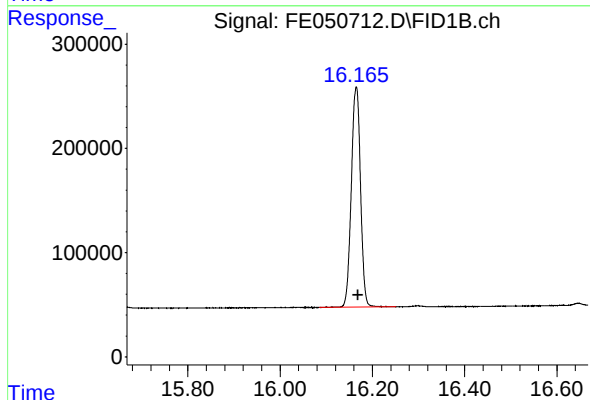
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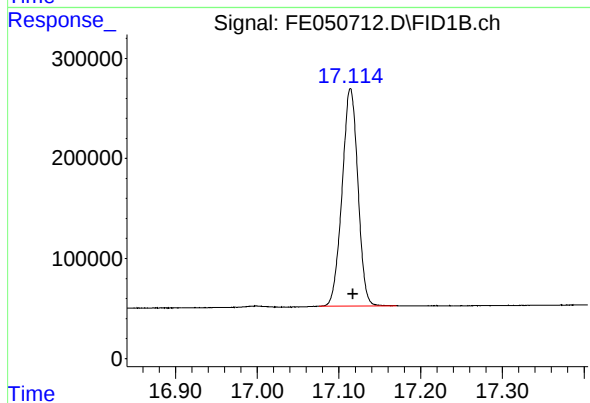
#14 n-Tetracosane (C24)

R.T.: 15.145 min
Delta R.T.: -0.005 min
Response: 2926943
Conc: 20.72 ug/ml



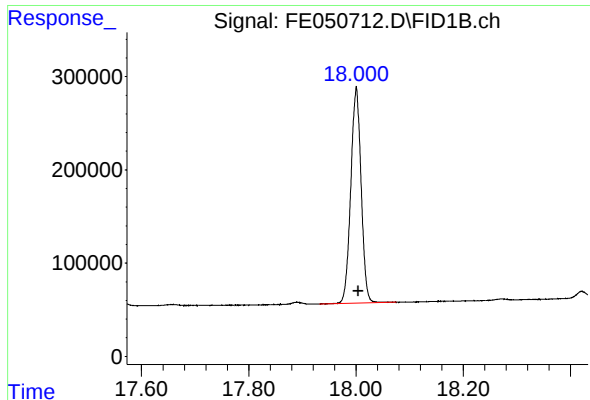
#15 n-Hexacosane (C26)

R.T.: 16.165 min
Delta R.T.: -0.005 min
Response: 2922747
Conc: 20.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.114 min
Delta R.T.: -0.003 min
Response: 2924336
Conc: 19.98 ug/ml m



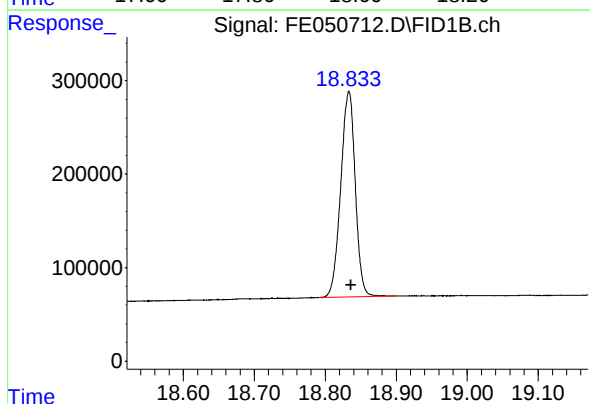
#17 n-Tricontane (C30)

R.T.: 18.000 min
Delta R.T.: -0.004 min
Response: 3099522
Conc: 19.49 ug/ml

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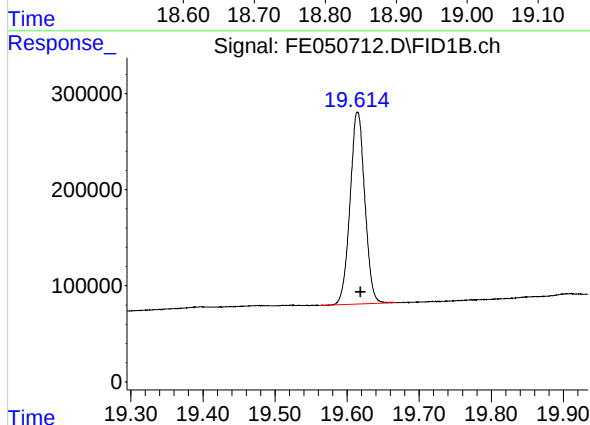
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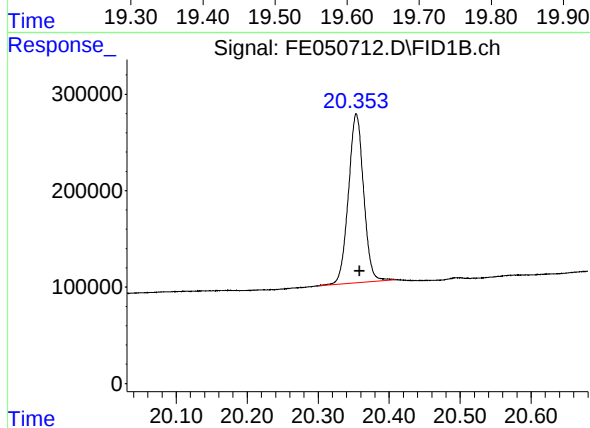
#18 n-Dotriacontane (C32)

R.T.: 18.833 min
Delta R.T.: -0.004 min
Response: 3131418
Conc: 19.32 ug/ml



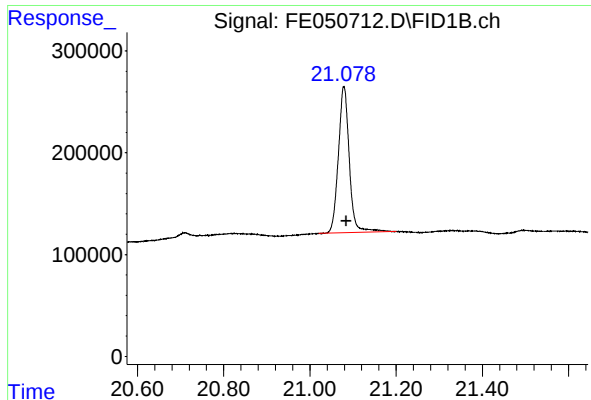
#19 n-Tetratriacontane (C34)

R.T.: 19.615 min
Delta R.T.: -0.004 min
Response: 2838254
Conc: 19.32 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.354 min
Delta R.T.: -0.005 min
Response: 2622976
Conc: 20.68 ug/ml



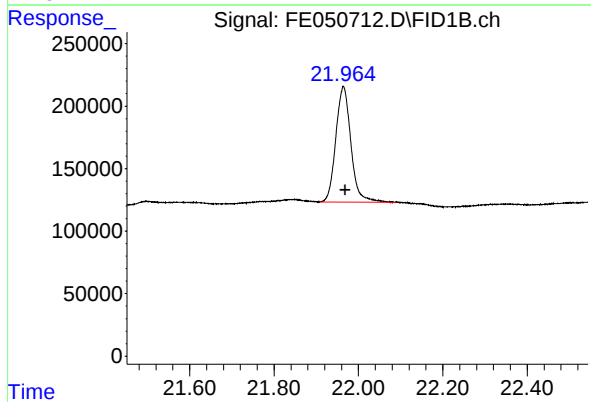
#21 n-Octatriacontane (C38)

R.T.: 21.079 min
Delta R.T.: -0.005 min
Response: 2537390
Conc: 20.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.964 min
Delta R.T.: -0.005 min
Response: 2304026
Conc: 20.69 ug/ml m