

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050825AL\
 Data File : FE053738.D
 Signal(s) : FID1B.ch
 Acq On : 09 May 2025 06:33
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/09/2025
 Supervised By :mohammad ahmed 05/12/2025

Integration File: autoint1.e
 Quant Time: May 09 07:51:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 29 06:49:03 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)	11.857	3652684	20.252 ug/ml
Spiked Amount 50.000		Recovery =	40.50%
12) S 1-chlorooctadecane (S...	13.302	2700959	19.981 ug/ml
Spiked Amount 50.000		Recovery =	39.96%
Target Compounds			
1) T n-Nonane (C9)	3.206	3001711	21.894 ug/ml
2) T n-Decane (C10)	4.467	3047885	22.033 ug/ml
3) T A~Naphthalene (C11.7)	6.179	3320708	21.999 ug/ml
4) T n-Dodecane (C12)	6.647	3086007	22.004 ug/ml
5) T A~2-methylnaphthalene...	7.281	3241318	21.710 ug/ml
6) T n-Tetradecane (C14)	8.483	3052246	21.757 ug/ml
7) T n-Hexadecane (C16)	10.095	3058946	21.343 ug/ml
8) T n-Octadecane (C18)	11.543	3038143	20.847 ug/ml
10) T n-Eicosane (C20)	12.856	2955691	20.312 ug/ml
11) T n-Heneicosane (C21)	13.470	2915085	20.126 ug/ml
13) T n-Docosane (C22)	14.058	2877420	19.940 ug/ml
14) T n-Tetracosane (C24)	15.163	2816495	19.608 ug/ml
15) T n-Hexacosane (C26)	16.186	2764880	19.522 ug/ml
16) T n-Octacosane (C28)	17.137	2757818	19.822 ug/ml
17) T n-Tricontane (C30)	18.026	2859604	20.544 ug/mlm
18) T n-Dotriacontane (C32)	18.861	2896398	21.094 ug/ml
19) T n-Tetratriacontane (C34)	19.645	2804580	21.525 ug/ml
20) T n-Hexatriacontane (C36)	20.387	2771435	21.953 ug/ml
21) T n-Octatriacontane (C38)	21.118	2761187	22.664 ug/mlm
22) T n-Tetracontane (C40)	22.018	2715065	22.735 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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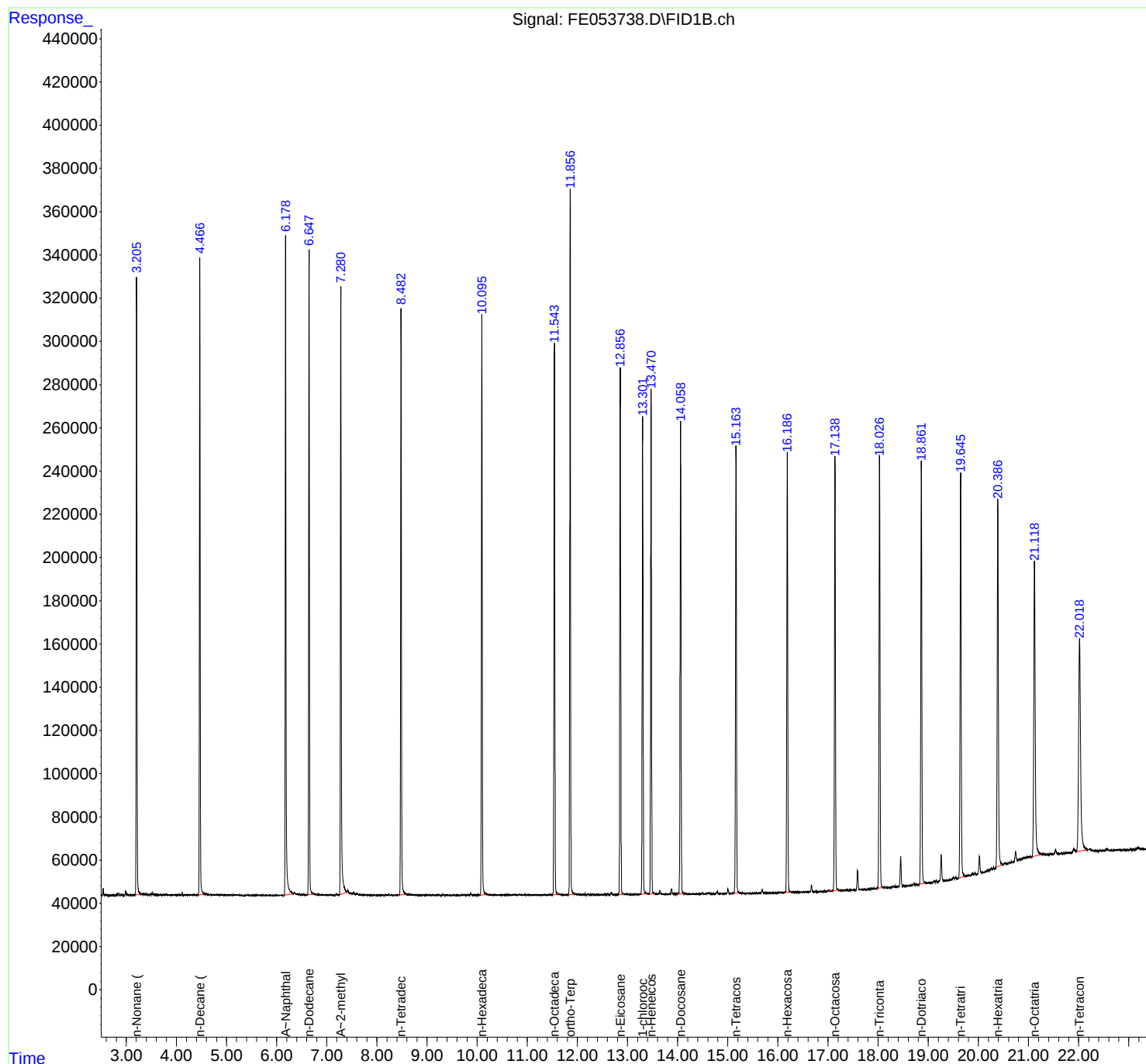
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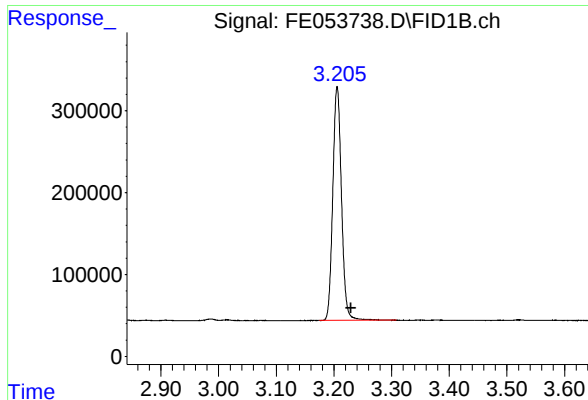
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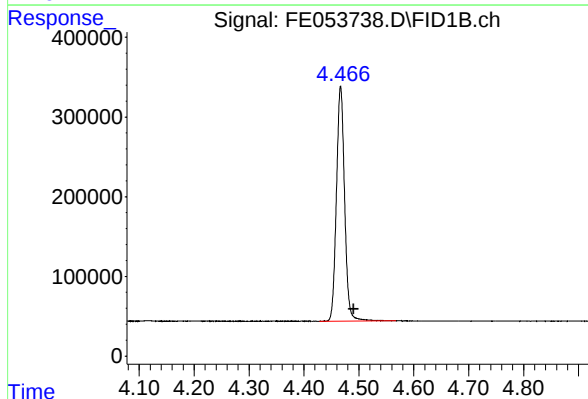
#1 n-Nonane (C9)

R.T.: 3.206 min
Delta R.T.: -0.024 min
Response: 3001711
Conc: 21.89 ug/ml

Instrument : FID_E
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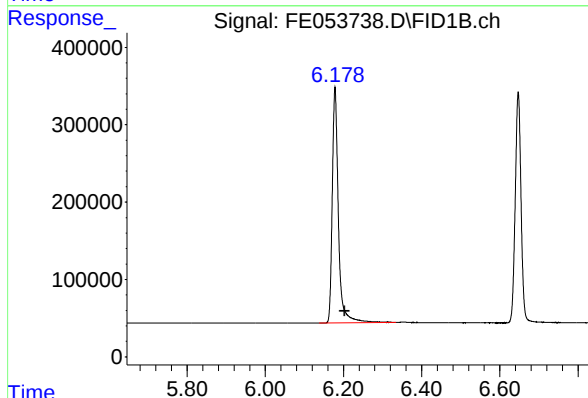
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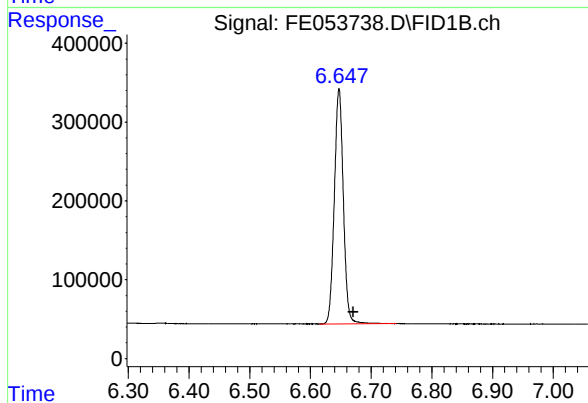
#2 n-Decane (C10)

R.T.: 4.467 min
Delta R.T.: -0.024 min
Response: 3047885
Conc: 22.03 ug/ml



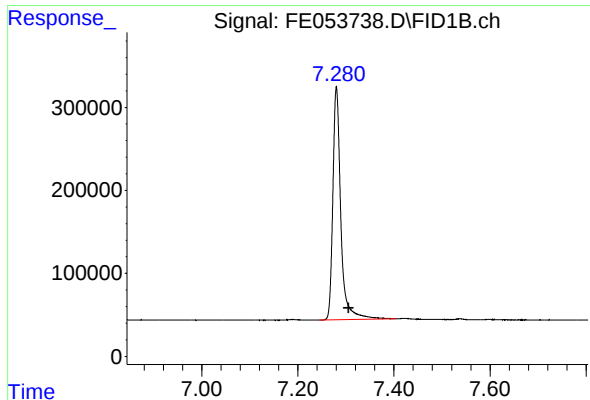
#3 A~Naphthalene (C11.7)

R.T.: 6.179 min
Delta R.T.: -0.025 min
Response: 3320708
Conc: 22.00 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.647 min
Delta R.T.: -0.024 min
Response: 3086007
Conc: 22.00 ug/ml



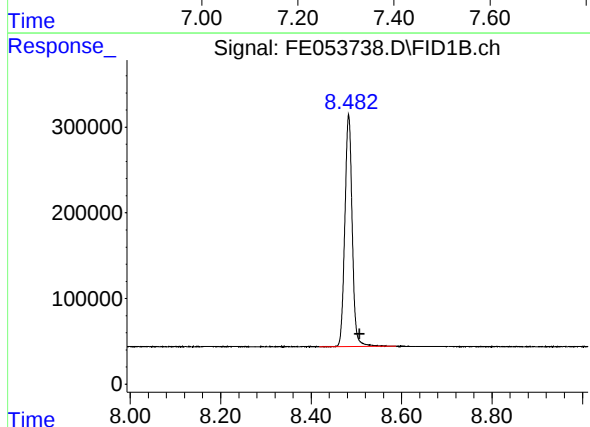
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.281 min
Delta R.T.: -0.025 min
Response: 3241318
Conc: 21.71 ug/ml

Instrument :
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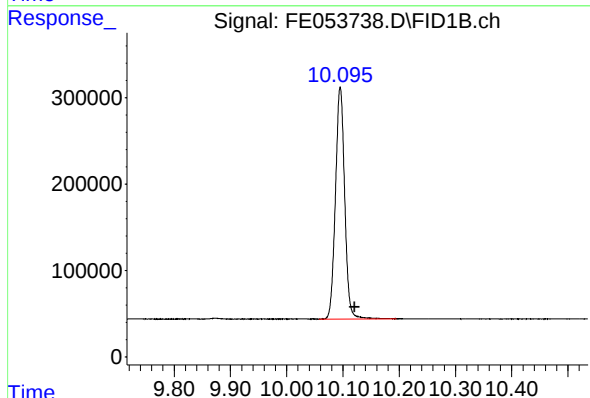
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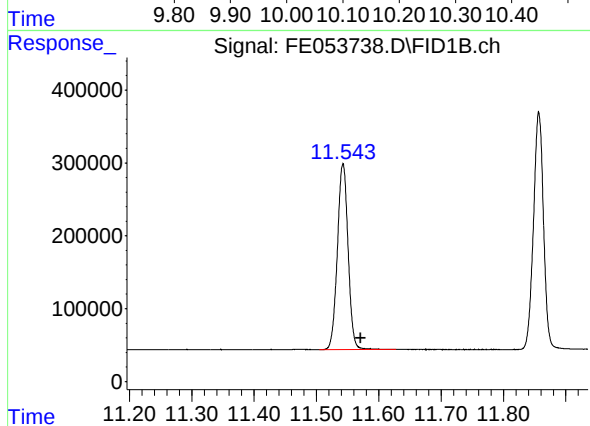
#6 n-Tetradecane (C14)

R.T.: 8.483 min
Delta R.T.: -0.025 min
Response: 3052246
Conc: 21.76 ug/ml



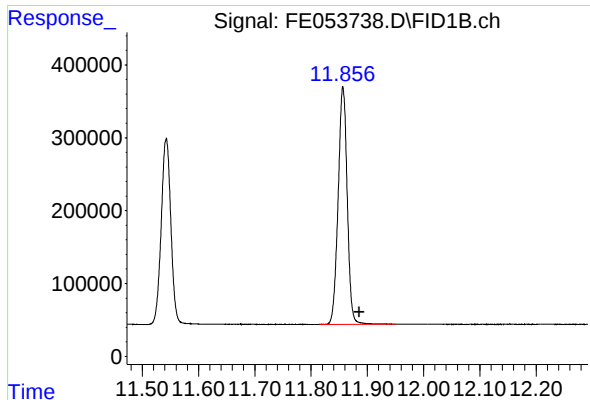
#7 n-Hexadecane (C16)

R.T.: 10.095 min
Delta R.T.: -0.026 min
Response: 3058946
Conc: 21.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.543 min
Delta R.T.: -0.028 min
Response: 3038143
Conc: 20.85 ug/ml



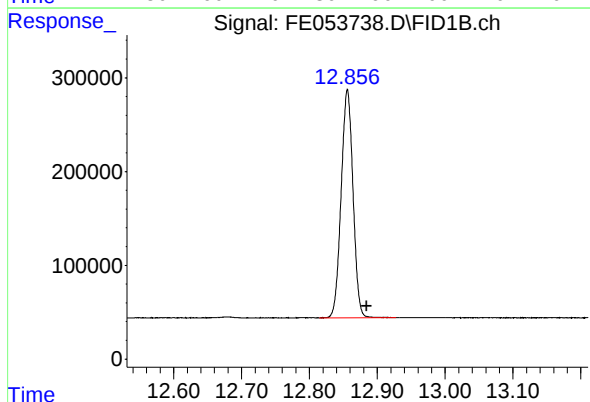
#9 ortho-Terphenyl (SURR)

R.T.: 11.857 min
Delta R.T.: -0.029 min
Response: 3652684
Conc: 20.25 ug/ml

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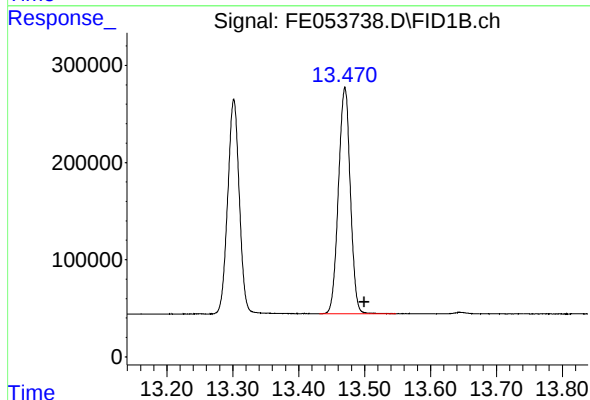
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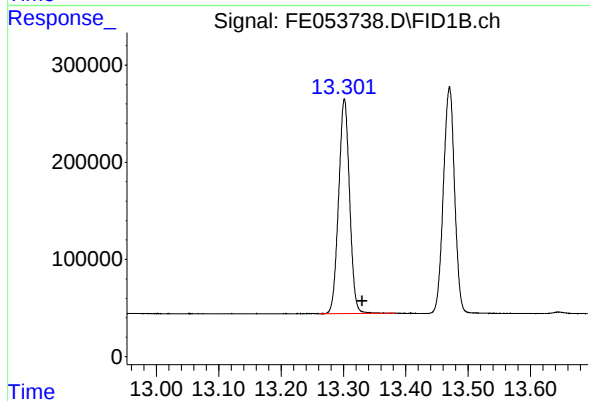
#10 n-Eicosane (C20)

R.T.: 12.856 min
Delta R.T.: -0.029 min
Response: 2955691
Conc: 20.31 ug/ml



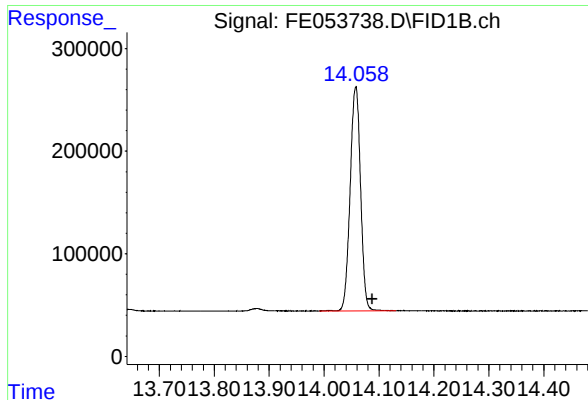
#11 n-Heneicosane (C21)

R.T.: 13.470 min
Delta R.T.: -0.029 min
Response: 2915085
Conc: 20.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.302 min
Delta R.T.: -0.029 min
Response: 2700959
Conc: 19.98 ug/ml



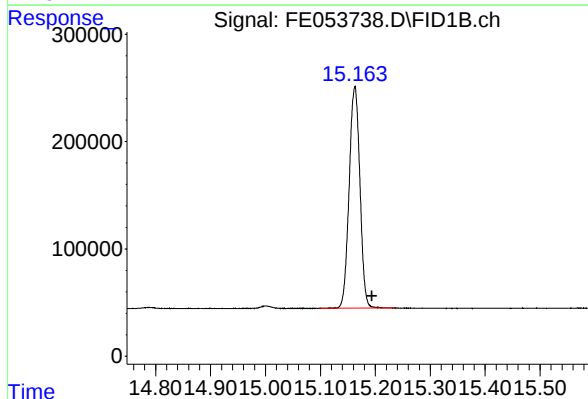
#13 n-Docosane (C22)

R.T.: 14.058 min
Delta R.T.: -0.030 min
Response: 2877420
Conc: 19.94 ug/ml

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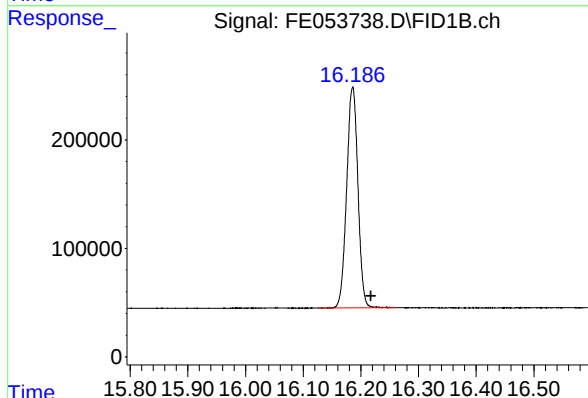
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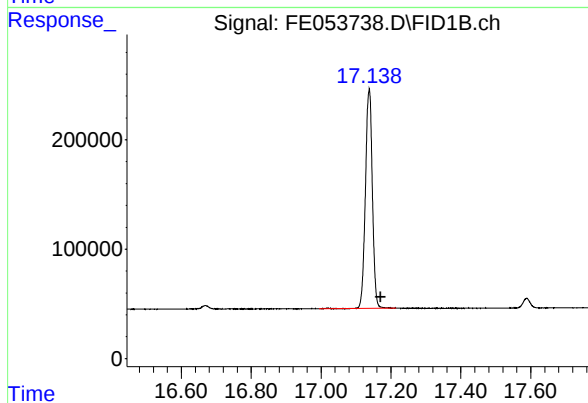
#14 n-Tetracosane (C24)

R.T.: 15.163 min
Delta R.T.: -0.031 min
Response: 2816495
Conc: 19.61 ug/ml



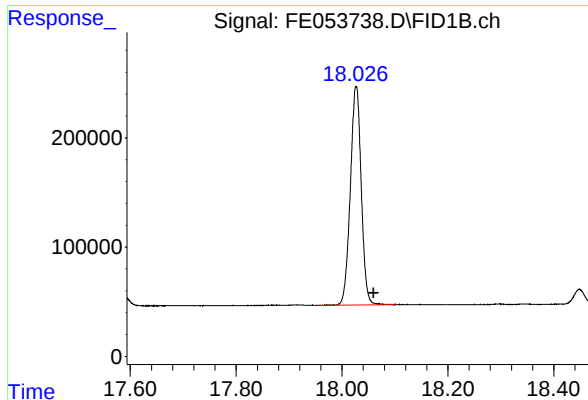
#15 n-Hexacosane (C26)

R.T.: 16.186 min
Delta R.T.: -0.032 min
Response: 2764880
Conc: 19.52 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.137 min
Delta R.T.: -0.033 min
Response: 2757818
Conc: 19.82 ug/ml



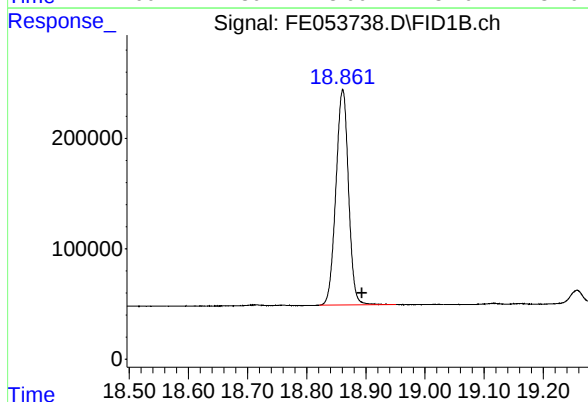
#17 n-Tricontane (C30)

R.T.: 18.026 min
Delta R.T.: -0.034 min
Response: 2859604
Conc: 20.54 ug/ml

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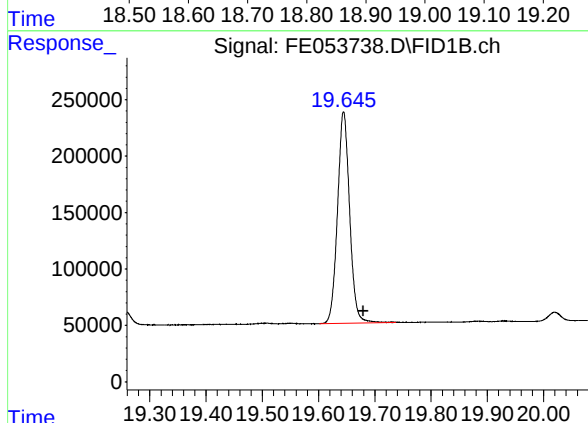
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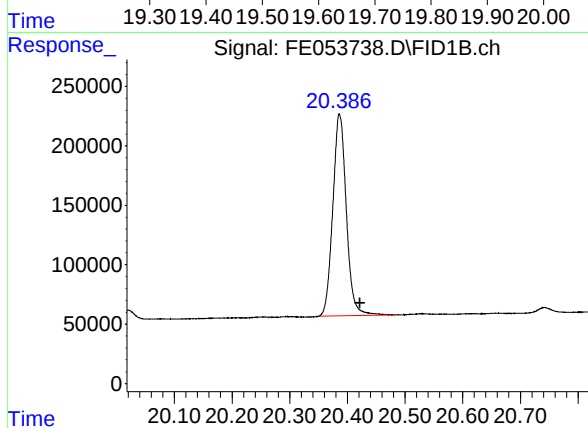
#18 n-Dotriacontane (C32)

R.T.: 18.861 min
Delta R.T.: -0.033 min
Response: 2896398
Conc: 21.09 ug/ml



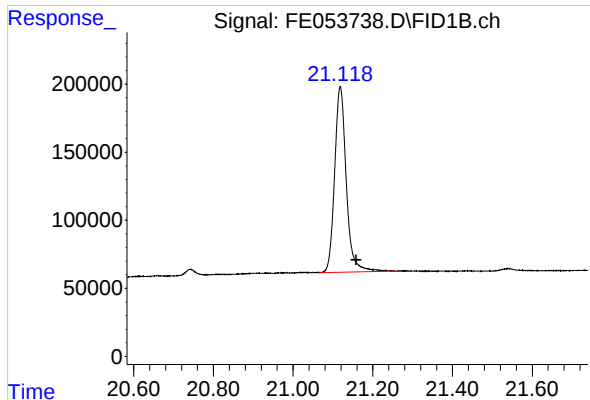
#19 n-Tetratriacontane (C34)

R.T.: 19.645 min
Delta R.T.: -0.035 min
Response: 2804580
Conc: 21.53 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.387 min
Delta R.T.: -0.035 min
Response: 2771435
Conc: 21.95 ug/ml



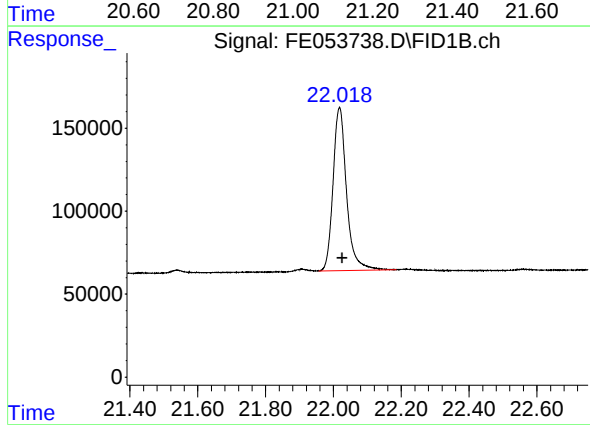
#21 n-Octatriacontane (C38)

R.T.: 21.118 min
Delta R.T.: -0.040 min
Response: 2761187
Conc: 22.66 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.018 min
Delta R.T.: -0.009 min
Response: 2715065
Conc: 22.74 ug/ml