

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091322AL\
 Data File : FE037540.D
 Signal(s) : FID1B.ch
 Acq On : 14 Sep 2022 02:57
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/14/2022
 Supervised By :Ankita Jodhani 09/14/2022

Integration File: autoint1.e
 Quant Time: Sep 14 08:15:01 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 082922.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 30 06:54:11 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)	11.631	3018945	17.864 ug/ml
Spiked Amount 50.000		Recovery =	35.73%
12) S 1-chlorooctadecane (S...	13.054	2335664	18.148 ug/ml
Spiked Amount 50.000		Recovery =	36.30%
Target Compounds			
1) T n-Nonane (C9)	3.027	2734773	17.874 ug/ml
2) T n-Decane (C10)	4.284	2877934	18.666 ug/ml
3) T A~Naphthalene (C11.7)	6.000	2798156	19.422 ug/ml
4) T n-Dodecane (C12)	6.455	2966134	18.757 ug/ml
5) T A~2-methylnaphthalene...	7.093	2750784	19.703 ug/ml
6) T n-Tetradecane (C14)	9.874	2968745	18.736 ug/ml
7) T n-Hexadecane (C16)	9.874	2968745	18.736 ug/ml
8) T n-Octadecane (C18)	11.308	2939220	18.457 ug/ml
10) T n-Eicosane (C20)	12.611	2863294	18.097 ug/ml
11) T n-Heneicosane (C21)	13.219	2817171	17.865 ug/ml
13) T n-Docosane (C22)	13.802	2783941	17.884 ug/ml
14) T n-Tetracosane (C24)	14.899	2684763	17.850 ug/ml
15) T n-Hexacosane (C26)	15.916	2623271	18.116 ug/ml
16) T n-Octacosane (C28)	16.860	2658784	19.192 ug/ml
17) T n-Tricontane (C30)	17.744	2967579	21.815 ug/ml
18) T n-Dotriacontane (C32)	18.572	3131850	23.454 ug/ml
19) T n-Tetratriacontane (C34)	19.351	2975642	23.518 ug/ml
20) T n-Hexatriacontane (C36)	20.087	2933877	22.812 ug/mlm
21) T n-Octatriacontane (C38)	20.784	2811634	22.591 ug/ml
22) T n-Tetracontane (C40)	21.563	2863941	22.216 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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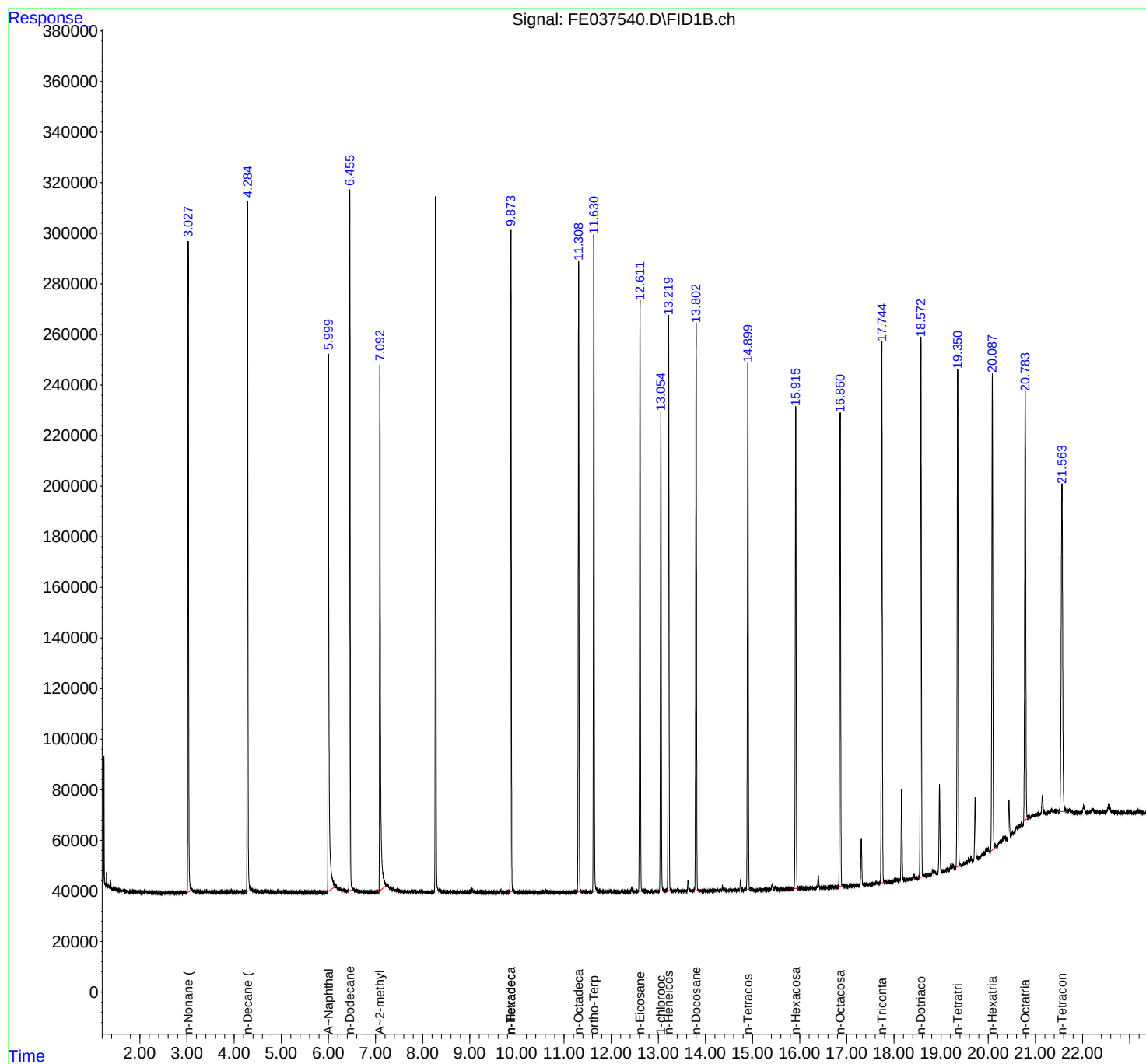
Instrument :
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20 PPM ALIPHATIC HC STD

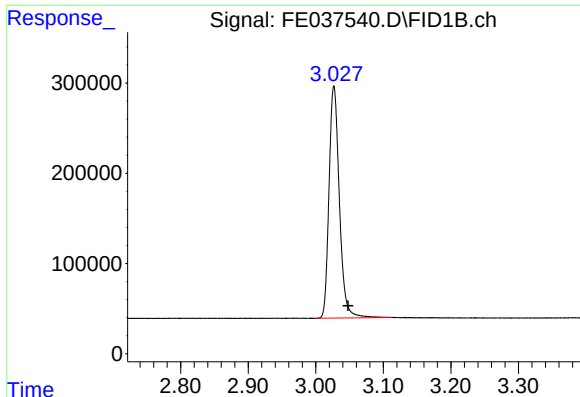
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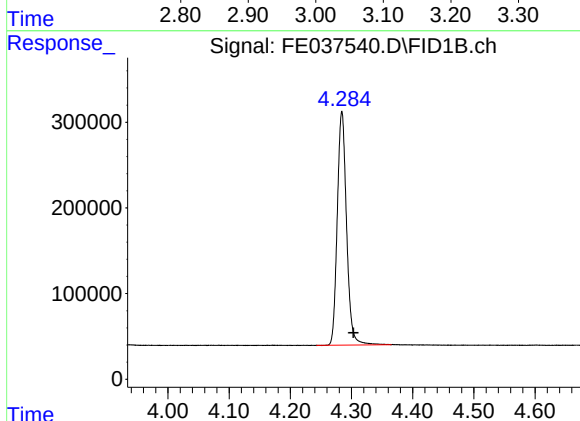
#1 n-Nonane (C9)

R.T.: 3.027 min
Delta R.T.: -0.021 min
Response: 2734773
Conc: 17.87 ug/ml

Instrument :
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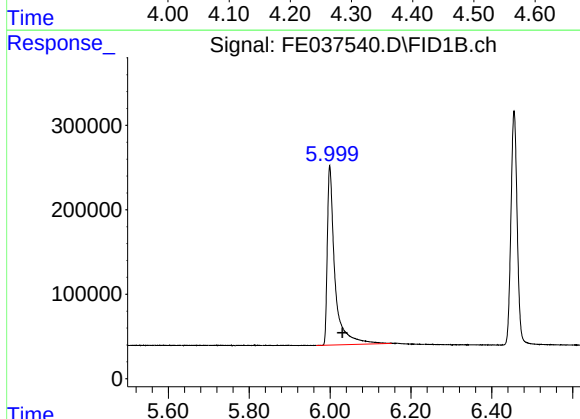
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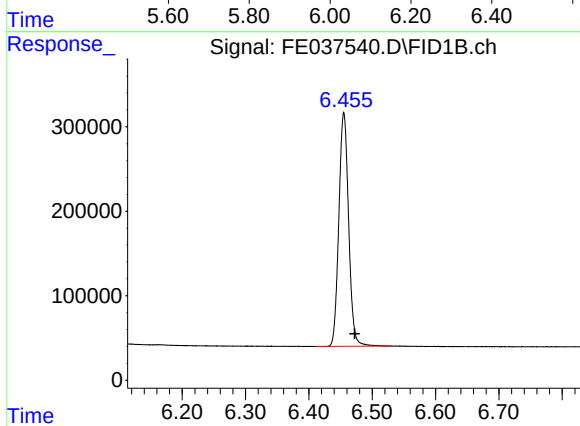
#2 n-Decane (C10)

R.T.: 4.284 min
Delta R.T.: -0.019 min
Response: 2877934
Conc: 18.67 ug/ml



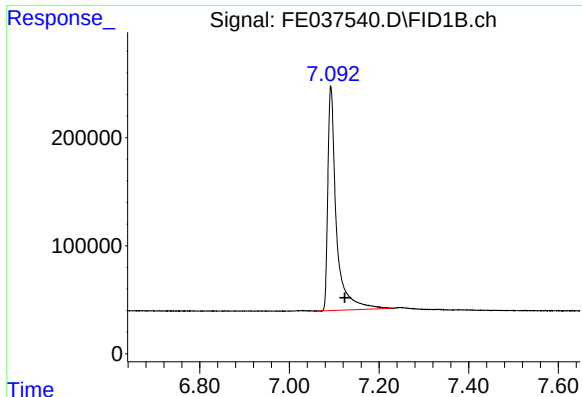
#3 A~Naphthalene (C11.7)

R.T.: 6.000 min
Delta R.T.: -0.031 min
Response: 2798156
Conc: 19.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.455 min
Delta R.T.: -0.017 min
Response: 2966134
Conc: 18.76 ug/ml



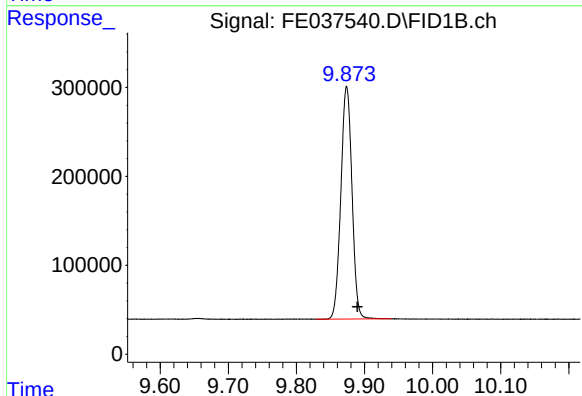
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.093 min
Delta R.T.: -0.031 min
Response: 2750784
Conc: 19.70 ug/ml

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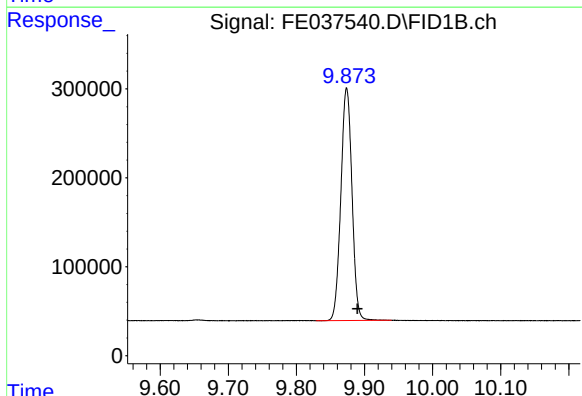
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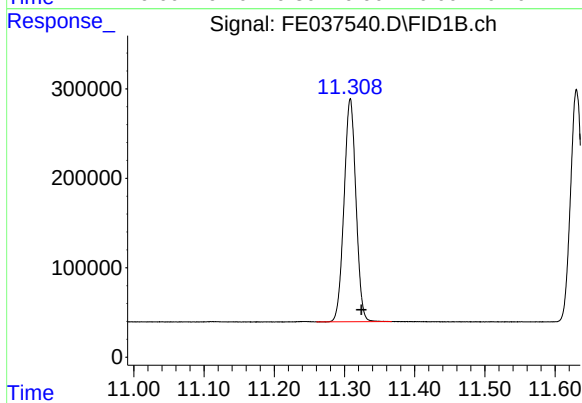
#6 n-Tetradecane (C14)

R.T.: 9.874 min
Delta R.T.: -0.016 min
Response: 2968745
Conc: 18.74 ug/ml



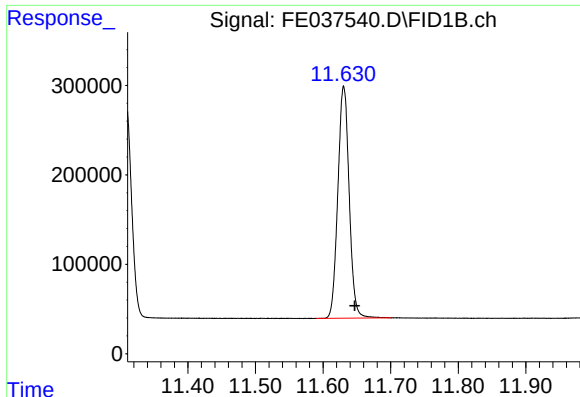
#7 n-Hexadecane (C16)

R.T.: 9.874 min
Delta R.T.: -0.016 min
Response: 2968745
Conc: 18.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.308 min
Delta R.T.: -0.016 min
Response: 2939220
Conc: 18.46 ug/ml



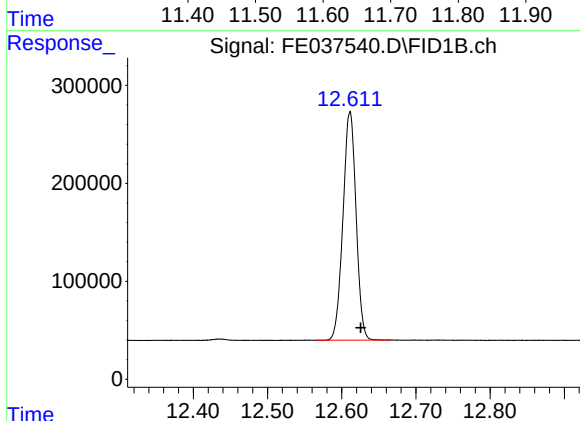
#9 ortho-Terphenyl (SURR)

R.T.: 11.631 min
Delta R.T.: -0.016 min
Response: 3018945
Conc: 17.86 ug/ml

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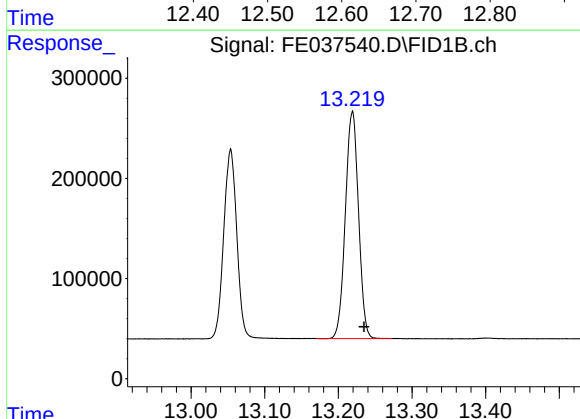
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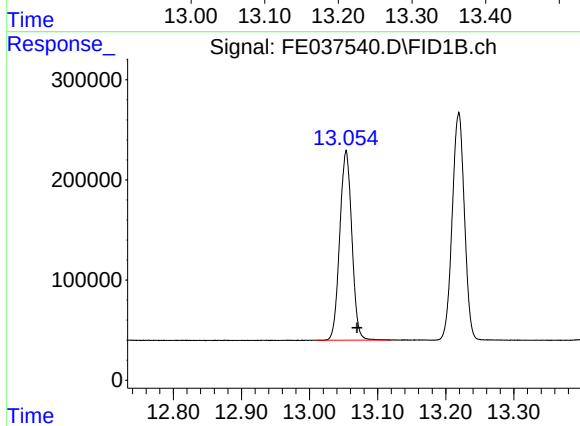
#10 n-Eicosane (C20)

R.T.: 12.611 min
Delta R.T.: -0.014 min
Response: 2863294
Conc: 18.10 ug/ml



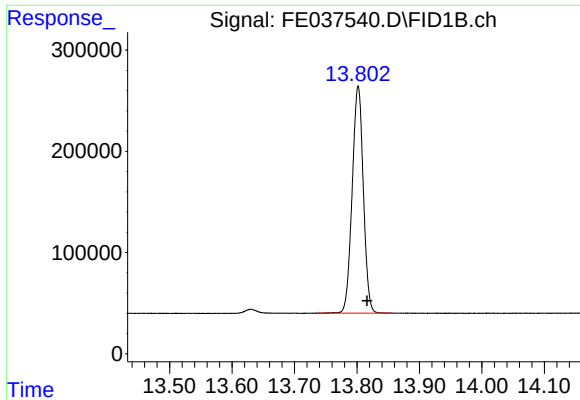
#11 n-Heneicosane (C21)

R.T.: 13.219 min
Delta R.T.: -0.016 min
Response: 2817171
Conc: 17.87 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.054 min
Delta R.T.: -0.016 min
Response: 2335664
Conc: 18.15 ug/ml



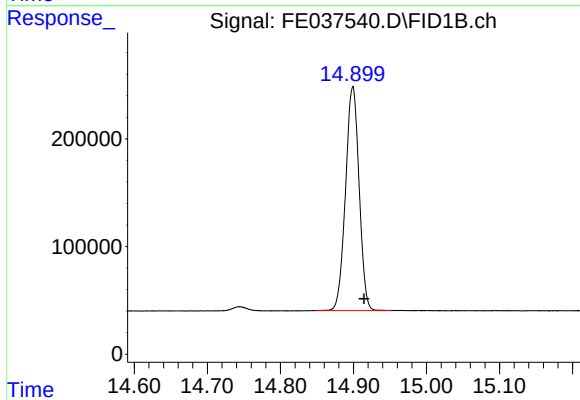
#13 n-Docosane (C22)

R.T.: 13.802 min
Delta R.T.: -0.014 min
Response: 2783941
Conc: 17.88 ug/ml

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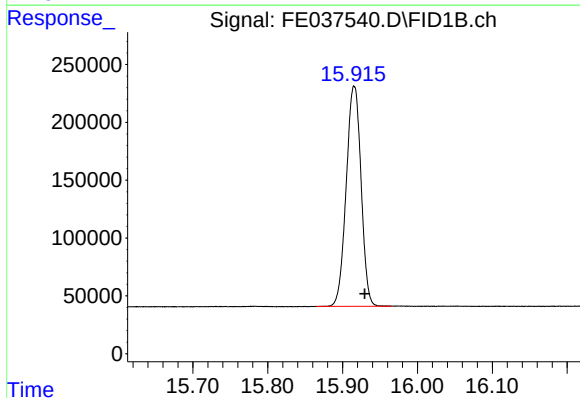
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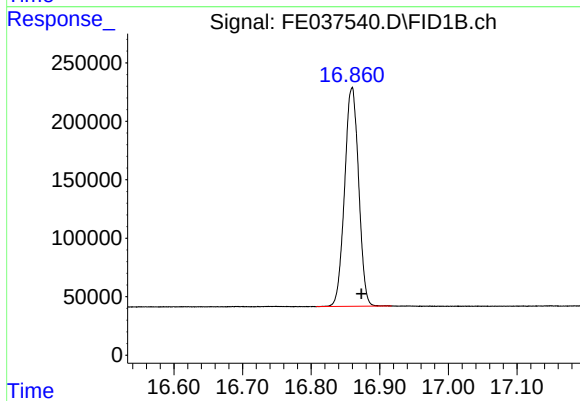
#14 n-Tetracosane (C24)

R.T.: 14.899 min
Delta R.T.: -0.016 min
Response: 2684763
Conc: 17.85 ug/ml



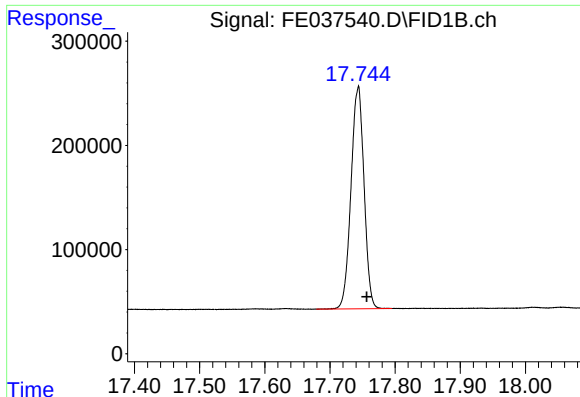
#15 n-Hexacosane (C26)

R.T.: 15.916 min
Delta R.T.: -0.014 min
Response: 2623271
Conc: 18.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.860 min
Delta R.T.: -0.014 min
Response: 2658784
Conc: 19.19 ug/ml



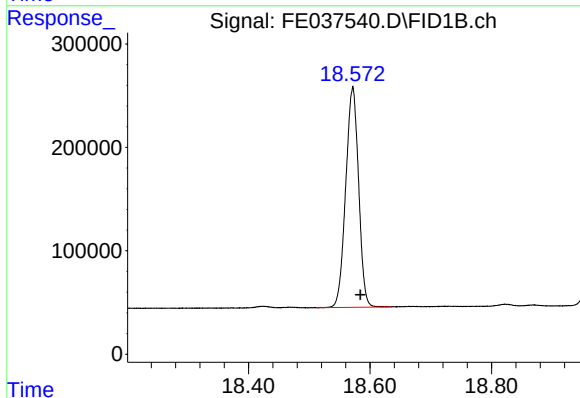
#17 n-Tricontane (C30)

R.T.: 17.744 min
Delta R.T.: -0.013 min
Response: 2967579
Conc: 21.82 ug/ml

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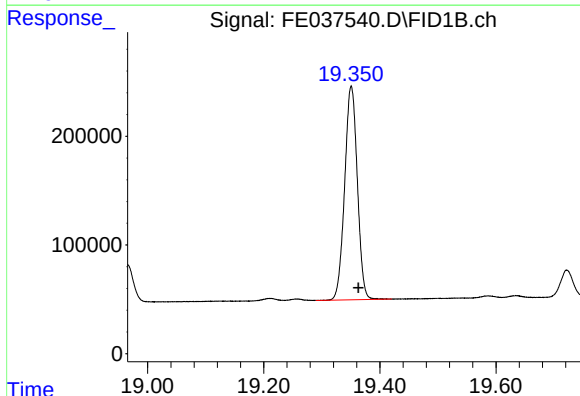
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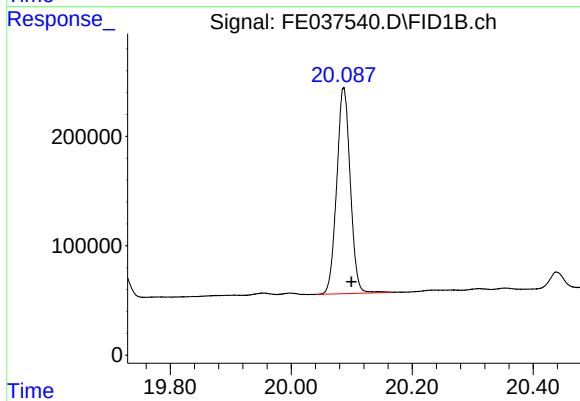
#18 n-Dotriacontane (C32)

R.T.: 18.572 min
Delta R.T.: -0.013 min
Response: 3131850
Conc: 23.45 ug/ml



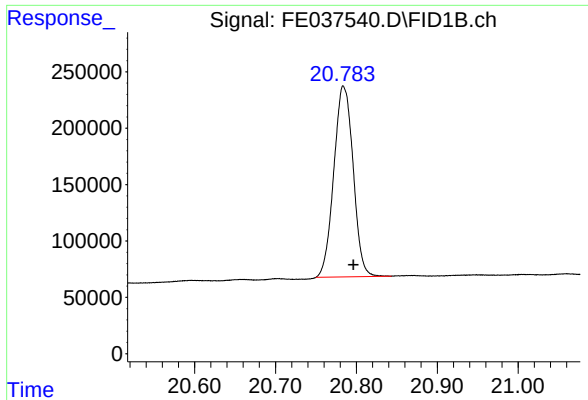
#19 n-Tetratriacontane (C34)

R.T.: 19.351 min
Delta R.T.: -0.013 min
Response: 2975642
Conc: 23.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.087 min
Delta R.T.: -0.012 min
Response: 2933877
Conc: 22.81 ug/ml m



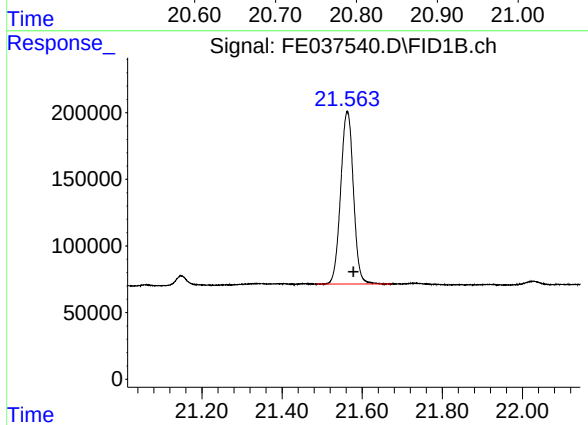
#21 n-Octatriacontane (C38)

R.T.: 20.784 min
Delta R.T.: -0.013 min
Response: 2811634
Conc: 22.59 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.563 min
Delta R.T.: -0.015 min
Response: 2863941
Conc: 22.22 ug/ml