

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091422AL\
 Data File : FE037543.D
 Signal(s) : FID1B.ch
 Acq On : 14 Sep 2022 12:31
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2022
 Supervised By :Ankita Jodhani 09/15/2022

Integration File: autoint1.e
 Quant Time: Sep 15 04:47:23 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)	11.627	3237933	19.160 ug/ml
Spiked Amount 50.000		Recovery =	38.32%
12) S 1-chlorooctadecane (S...	13.050	2505428	19.467 ug/ml
Spiked Amount 50.000		Recovery =	38.93%
Target Compounds			
1) T n-Nonane (C9)	3.018	3010631	19.677 ug/ml
2) T n-Decane (C10)	4.275	3202084	20.769 ug/ml
3) T A~Naphthalene (C11.7)	5.991	3254578	22.590 ug/ml
4) T n-Dodecane (C12)	6.449	3244575	20.518 ug/ml
5) T A~2-methylnaphthalene...	7.084	3177590	22.760 ug/ml
6) T n-Tetradecane (C14)	9.869	3199979	20.195 ug/ml
7) T n-Hexadecane (C16)	9.869	3199979	20.195 ug/ml
8) T n-Octadecane (C18)	11.305	3178551	19.960 ug/ml
10) T n-Eicosane (C20)	12.608	3113860	19.680 ug/ml
11) T n-Heneicosane (C21)	13.217	3063180	19.425 ug/ml
13) T n-Docosane (C22)	13.801	3074335	19.749 ug/ml
14) T n-Tetracosane (C24)	14.898	3020655	20.084 ug/ml
15) T n-Hexacosane (C26)	15.914	2920263	20.167 ug/ml
16) T n-Octacosane (C28)	16.859	2901698	20.945 ug/ml
17) T n-Tricontane (C30)	17.744	3013505	22.153 ug/ml
18) T n-Dotriacontane (C32)	18.570	3050117	22.842 ug/ml
19) T n-Tetratriacontane (C34)	19.350	2908878	22.990 ug/ml
20) T n-Hexatriacontane (C36)	20.089	2923104	22.728 ug/mlm
21) T n-Octatriacontane (C38)	20.786	2835408	22.782 ug/ml
22) T n-Tetracontane (C40)	21.565	2954198	22.916 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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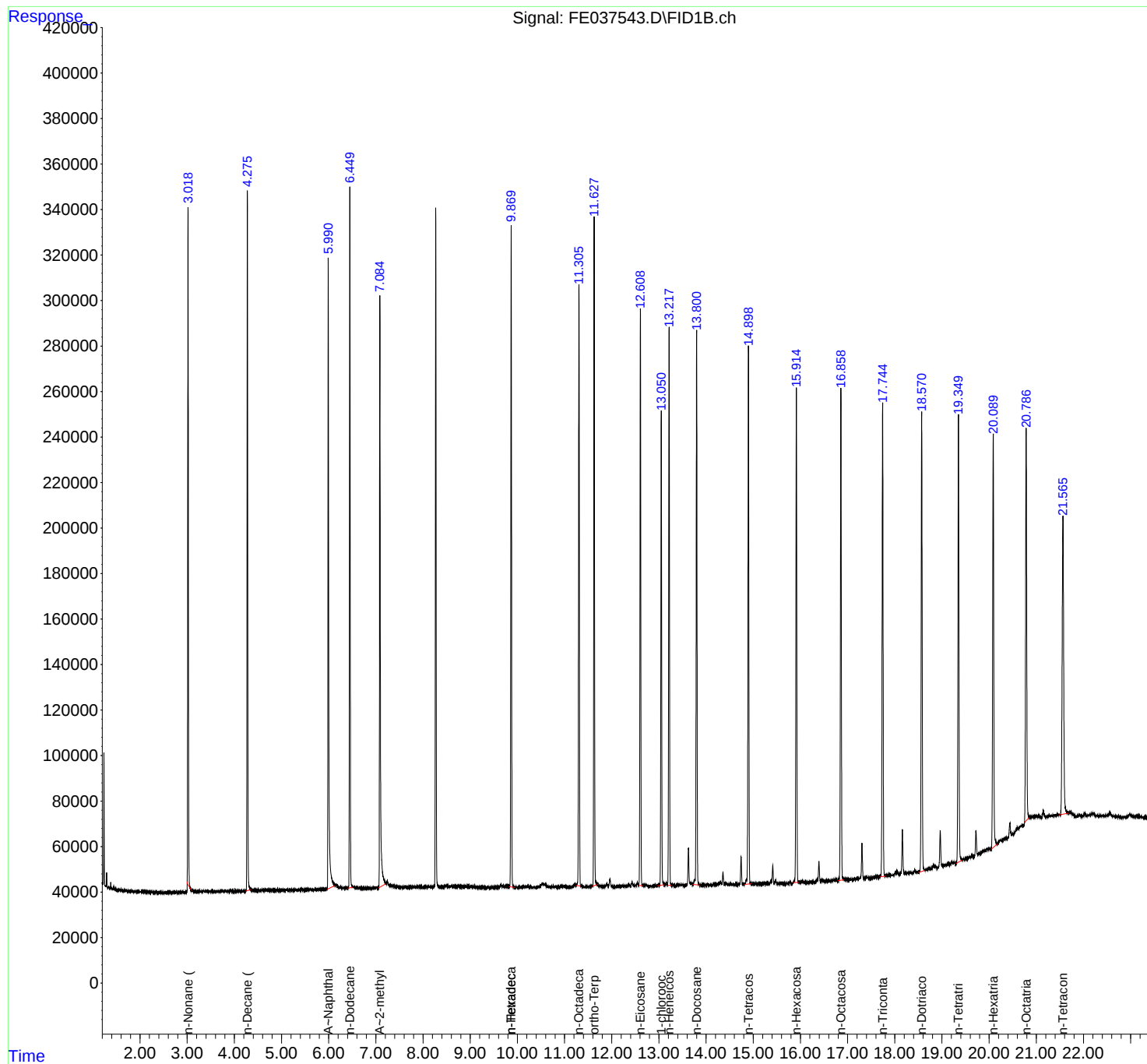
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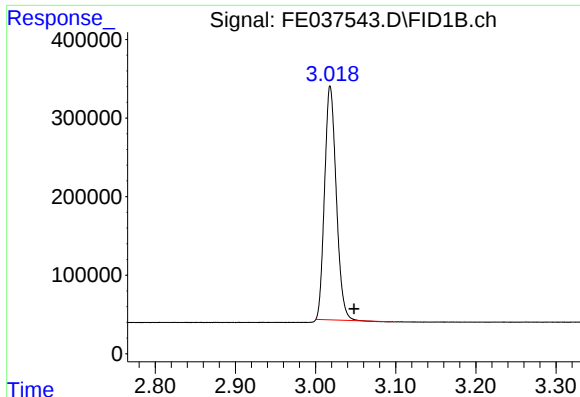
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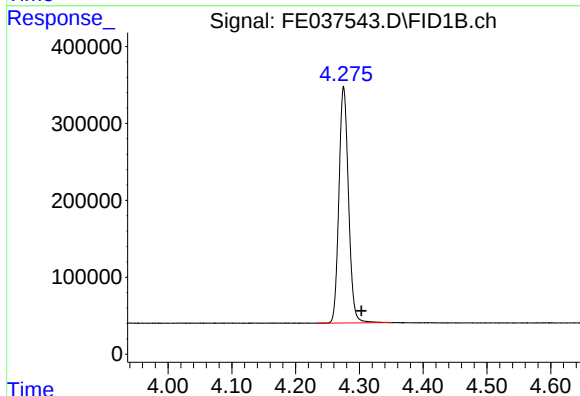
#1 n-Nonane (C9)

R.T.: 3.018 min
Delta R.T.: -0.030 min
Response: 3010631
Conc: 19.68 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

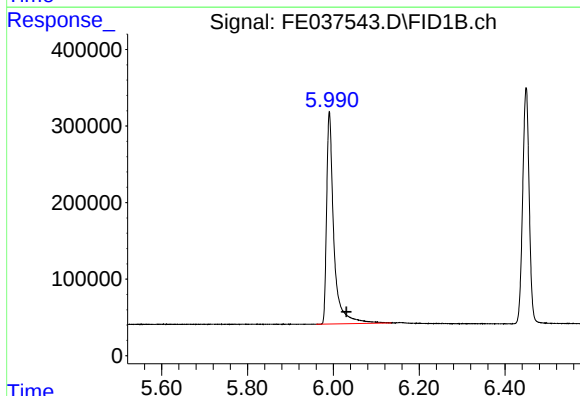
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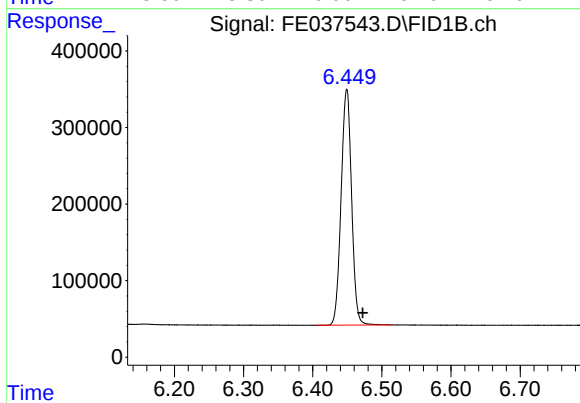
#2 n-Decane (C10)

R.T.: 4.275 min
Delta R.T.: -0.028 min
Response: 3202084
Conc: 20.77 ug/ml



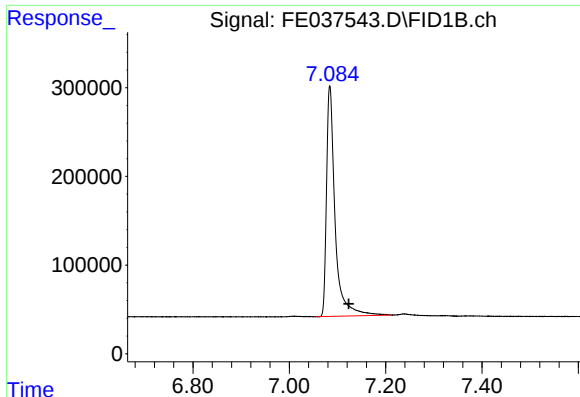
#3 A~Naphthalene (C11.7)

R.T.: 5.991 min
Delta R.T.: -0.040 min
Response: 3254578
Conc: 22.59 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.449 min
Delta R.T.: -0.023 min
Response: 3244575
Conc: 20.52 ug/ml



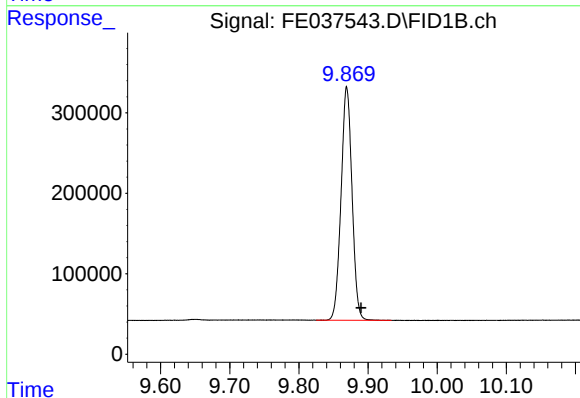
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.084 min
Delta R.T.: -0.039 min
Response: 3177590
Conc: 22.76 ug/ml

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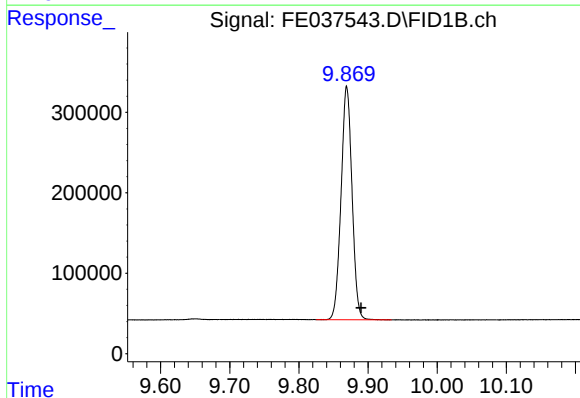
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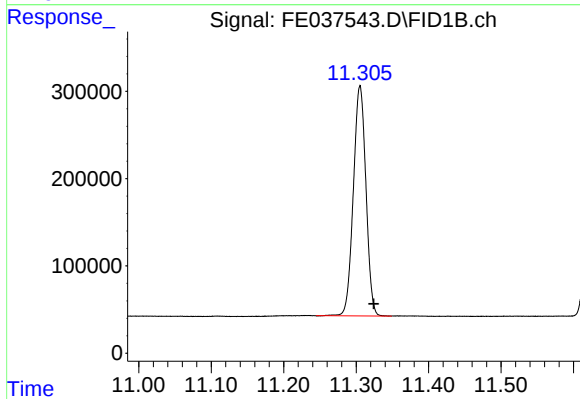
#6 n-Tetradecane (C14)

R.T.: 9.869 min
Delta R.T.: -0.020 min
Response: 3199979
Conc: 20.20 ug/ml



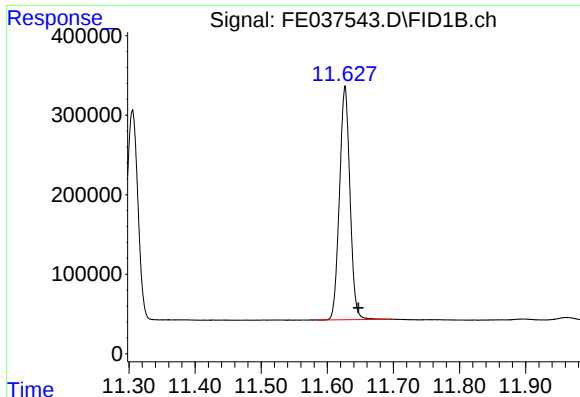
#7 n-Hexadecane (C16)

R.T.: 9.869 min
Delta R.T.: -0.020 min
Response: 3199979
Conc: 20.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.305 min
Delta R.T.: -0.019 min
Response: 3178551
Conc: 19.96 ug/ml



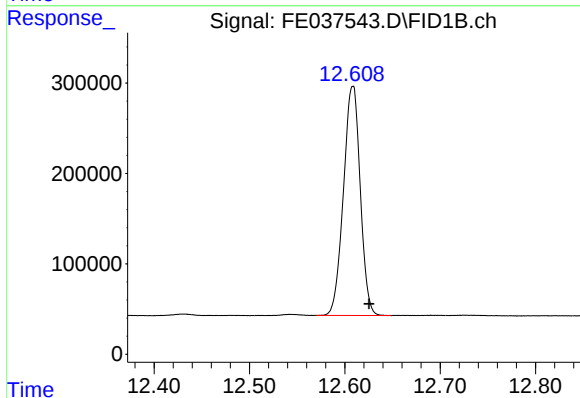
#9 ortho-Terphenyl (SURR)

R.T.: 11.627 min
Delta R.T.: -0.020 min
Response: 3237933
Conc: 19.16 ug/ml

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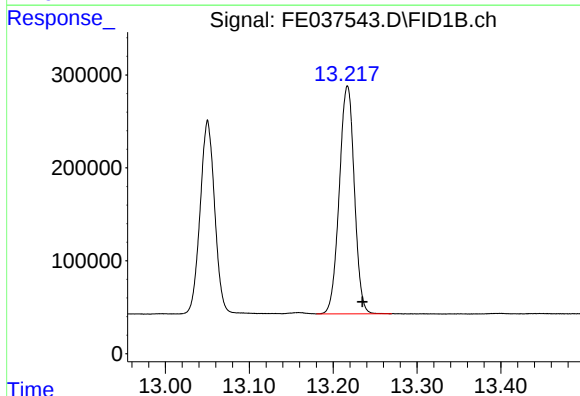
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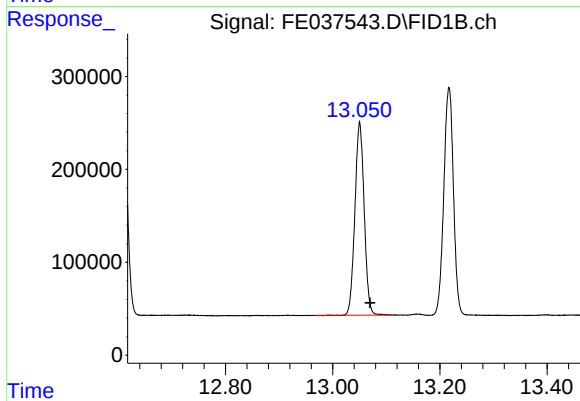
#10 n-Eicosane (C20)

R.T.: 12.608 min
Delta R.T.: -0.017 min
Response: 3113860
Conc: 19.68 ug/ml



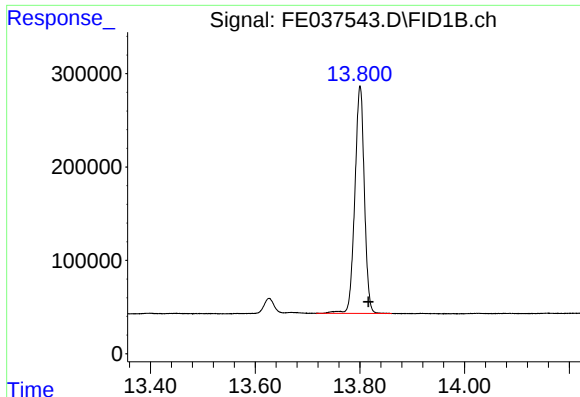
#11 n-Heneicosane (C21)

R.T.: 13.217 min
Delta R.T.: -0.018 min
Response: 3063180
Conc: 19.43 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.050 min
Delta R.T.: -0.019 min
Response: 2505428
Conc: 19.47 ug/ml



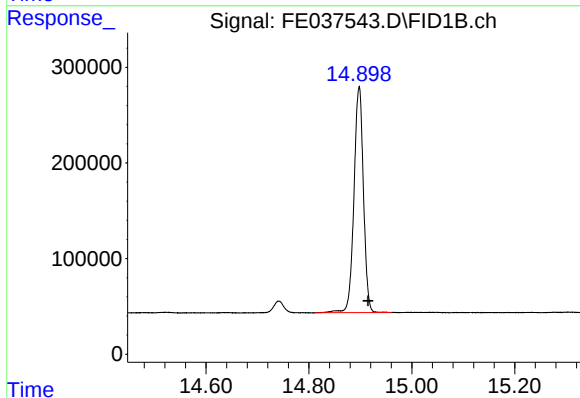
#13 n-Docosane (C22)

R.T.: 13.801 min
Delta R.T.: -0.016 min
Response: 3074335
Conc: 19.75 ug/ml

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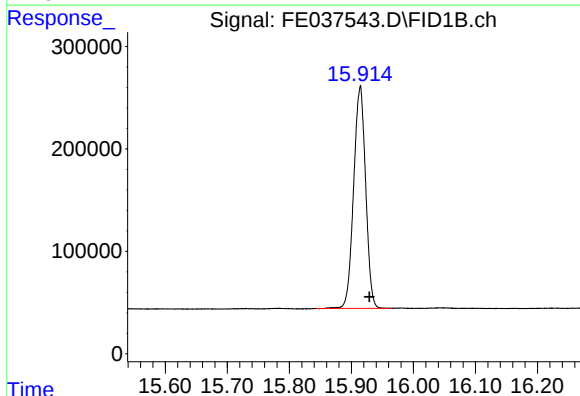
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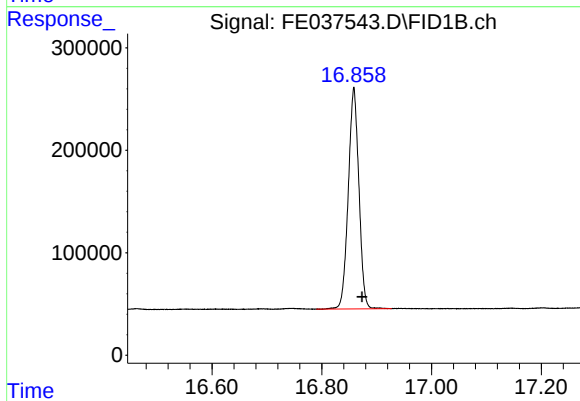
#14 n-Tetracosane (C24)

R.T.: 14.898 min
Delta R.T.: -0.017 min
Response: 3020655
Conc: 20.08 ug/ml



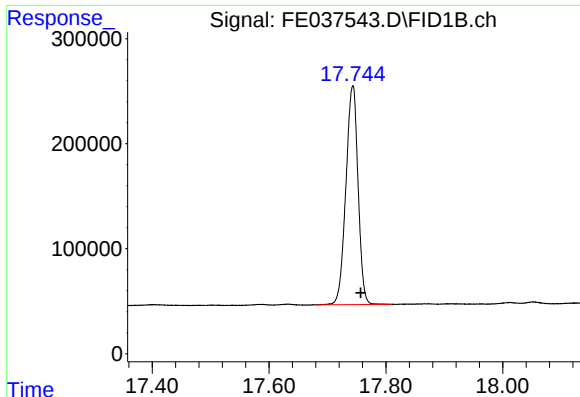
#15 n-Hexacosane (C26)

R.T.: 15.914 min
Delta R.T.: -0.015 min
Response: 2920263
Conc: 20.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.859 min
Delta R.T.: -0.015 min
Response: 2901698
Conc: 20.95 ug/ml



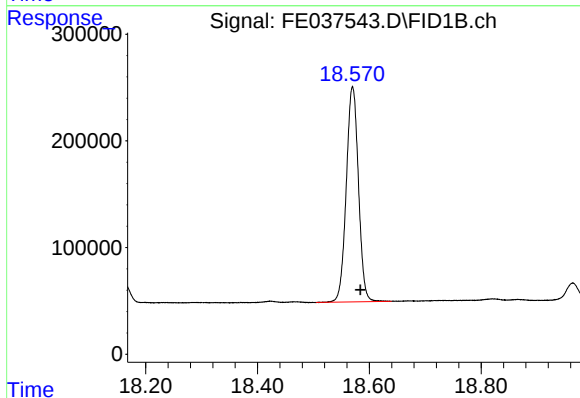
#17 n-Tricontane (C30)

R.T.: 17.744 min
Delta R.T.: -0.013 min
Response: 3013505
Conc: 22.15 ug/ml

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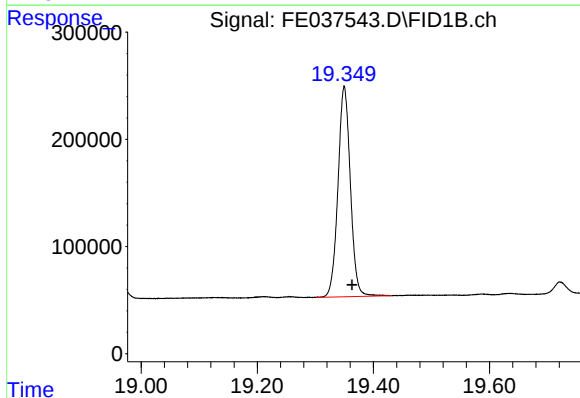
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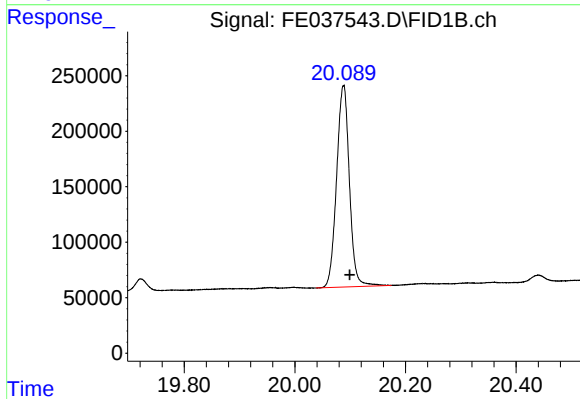
#18 n-Dotriacontane (C32)

R.T.: 18.570 min
Delta R.T.: -0.014 min
Response: 3050117
Conc: 22.84 ug/ml



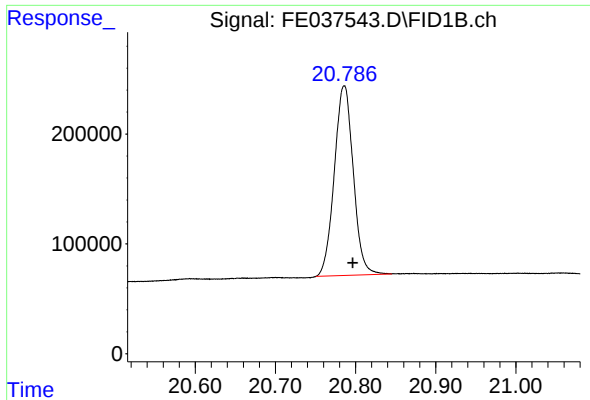
#19 n-Tetratriacontane (C34)

R.T.: 19.350 min
Delta R.T.: -0.013 min
Response: 2908878
Conc: 22.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.089 min
Delta R.T.: -0.011 min
Response: 2923104
Conc: 22.73 ug/ml m



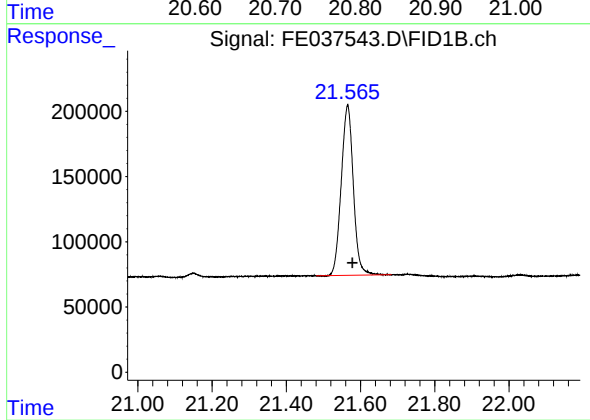
#21 n-Octatriacontane (C38)

R.T.: 20.786 min
Delta R.T.: -0.011 min
Response: 2835408
Conc: 22.78 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.565 min
Delta R.T.: -0.013 min
Response: 2954198
Conc: 22.92 ug/ml