

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091522AL\
 Data File : FE037613.D
 Signal(s) : FID1B.ch
 Acq On : 16 Sep 2022 04:20
 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 09/16/2022
 Supervised By :Ankita Jodhani 09/16/2022

Integration File: autoint1.e
 Quant Time: Sep 16 04:57:22 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)	11.624	2763409	16.352 ug/ml
Spiked Amount 50.000		Recovery =	32.70%
12) S 1-chlorooctadecane (S...	13.047	2135336	16.592 ug/ml
Spiked Amount 50.000		Recovery =	33.18%
Target Compounds			
1) T n-Nonane (C9)	3.023	2508964	16.398 ug/ml
2) T n-Decane (C10)	4.280	2649384	17.184 ug/ml
3) T A~Naphthalene (C11.7)	5.996	2557181	17.749 ug/ml
4) T n-Dodecane (C12)	6.451	2729230	17.259 ug/ml
5) T A~2-methylnaphthalene...	7.089	2507392	17.959 ug/ml
6) T n-Tetradecane (C14)	9.868	2725439	17.200 ug/ml
7) T n-Hexadecane (C16)	9.868	2725439	17.200 ug/ml
8) T n-Octadecane (C18)	11.303	2691118	16.899 ug/ml
10) T n-Eicosane (C20)	12.605	2614367	16.524 ug/ml
11) T n-Heneicosane (C21)	13.214	2573742	16.322 ug/ml
13) T n-Docosane (C22)	13.796	2546327	16.357 ug/ml
14) T n-Tetracosane (C24)	14.893	2473819	16.448 ug/ml
15) T n-Hexacosane (C26)	15.908	2428924	16.774 ug/ml
16) T n-Octacosane (C28)	16.854	2493884	18.001 ug/ml
17) T n-Tricontane (C30)	17.736	2879054	21.165 ug/ml
18) T n-Dotriacontane (C32)	18.564	3104907	23.252 ug/ml
19) T n-Tetratriacontane (C34)	19.344	2951174	23.324 ug/ml
20) T n-Hexatriacontane (C36)	20.077	2855898	22.205 ug/mlm
21) T n-Octatriacontane (C38)	20.775	2828005	22.722 ug/mlm
22) T n-Tetracontane (C40)	21.552	2796360	21.691 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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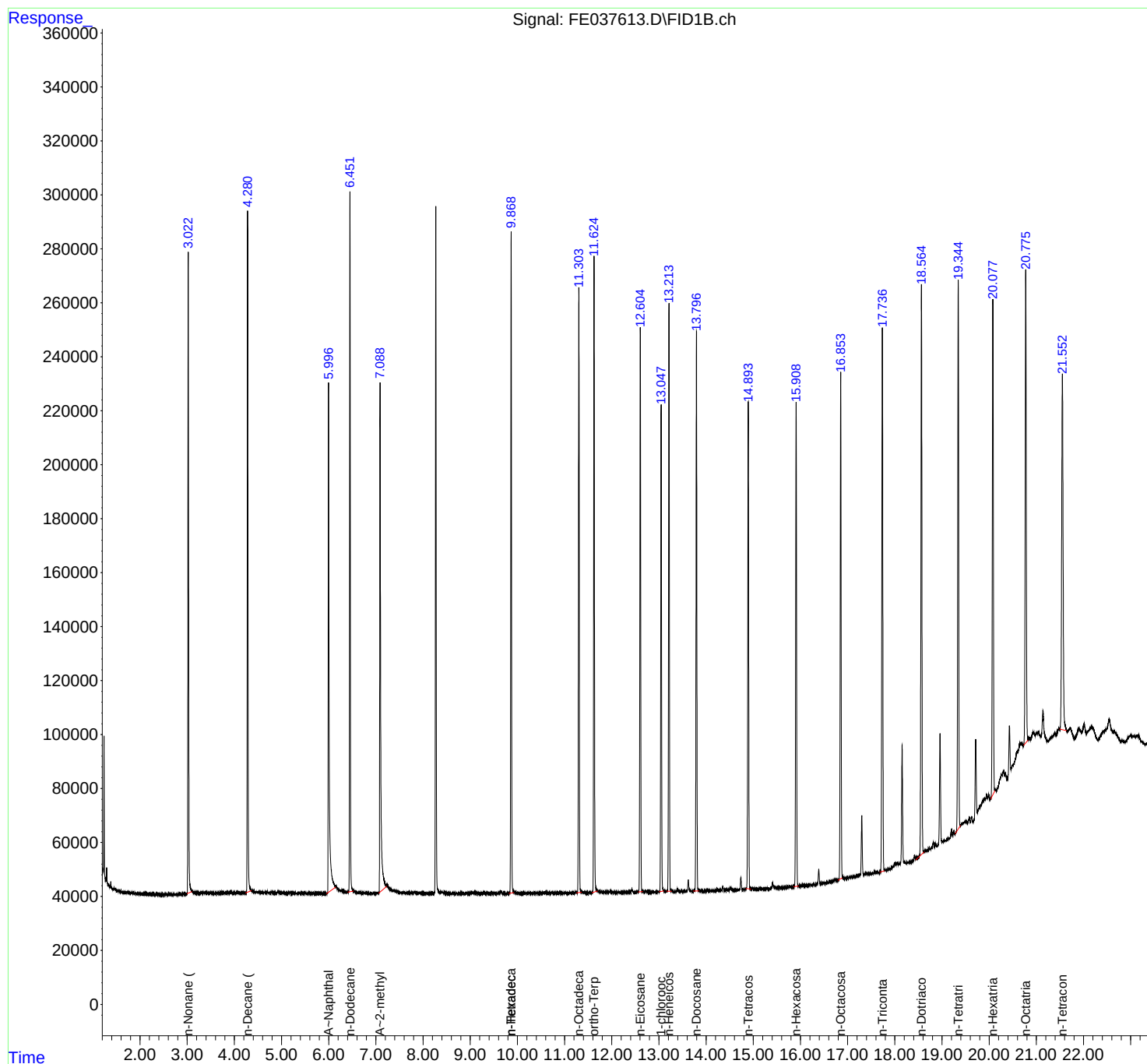
Instrument :
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20 PPM ALIPHATIC HC STD

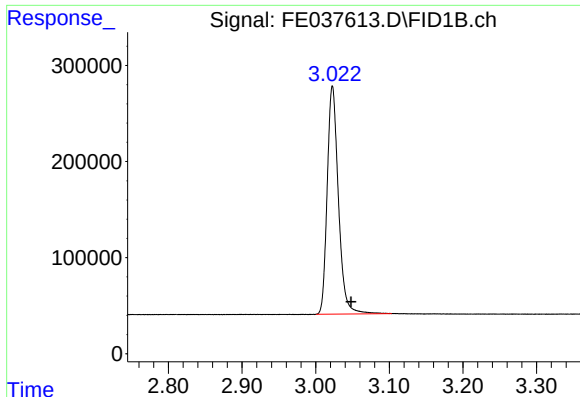
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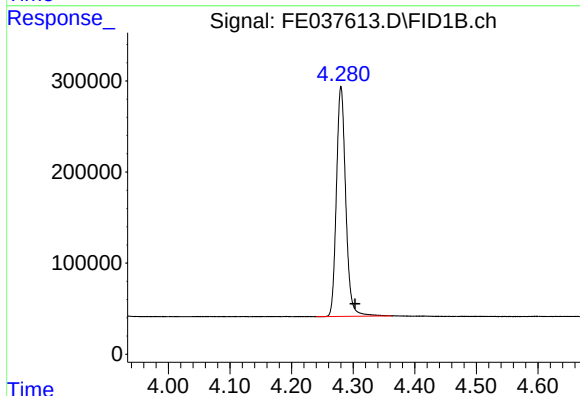
#1 n-Nonane (C9)

R.T.: 3.023 min
Delta R.T.: -0.025 min
Response: 2508964
Conc: 16.40 ug/ml

Instrument :
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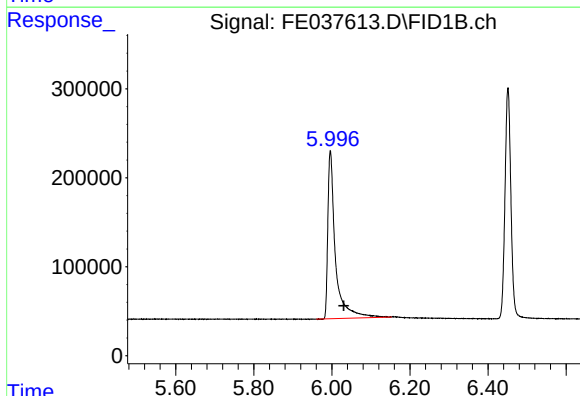
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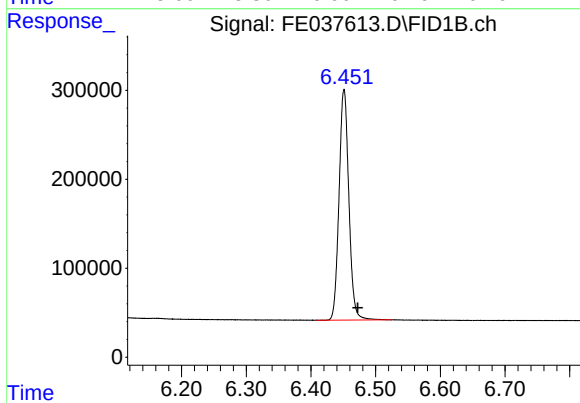
#2 n-Decane (C10)

R.T.: 4.280 min
Delta R.T.: -0.023 min
Response: 2649384
Conc: 17.18 ug/ml



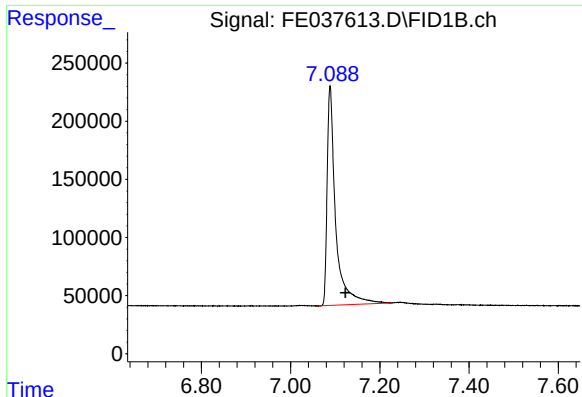
#3 A~Naphthalene (C11.7)

R.T.: 5.996 min
Delta R.T.: -0.034 min
Response: 2557181
Conc: 17.75 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.451 min
Delta R.T.: -0.021 min
Response: 2729230
Conc: 17.26 ug/ml



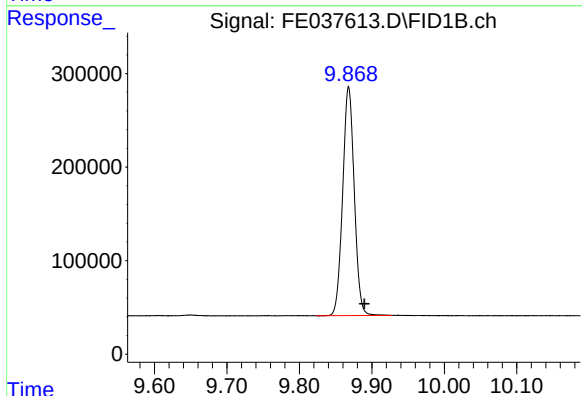
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.089 min
Delta R.T.: -0.035 min
Response: 2507392
Conc: 17.96 ug/ml

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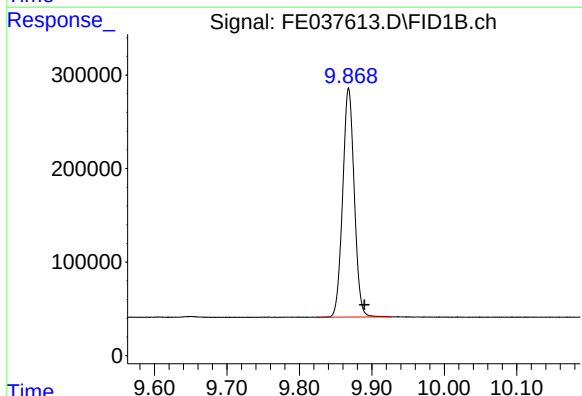
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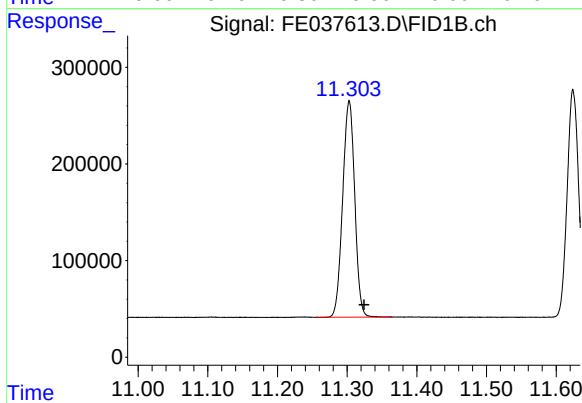
#6 n-Tetradecane (C14)

R.T.: 9.868 min
Delta R.T.: -0.022 min
Response: 2725439
Conc: 17.20 ug/ml



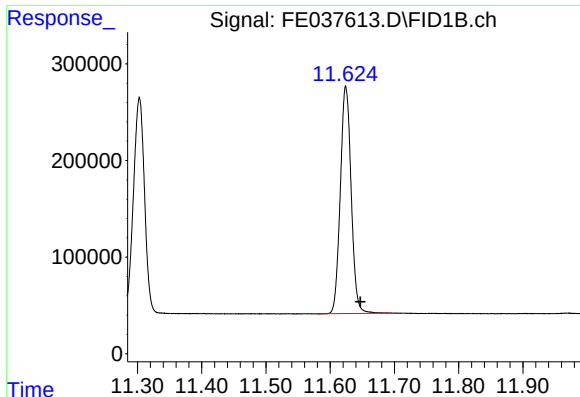
#7 n-Hexadecane (C16)

R.T.: 9.868 min
Delta R.T.: -0.022 min
Response: 2725439
Conc: 17.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.303 min
Delta R.T.: -0.021 min
Response: 2691118
Conc: 16.90 ug/ml



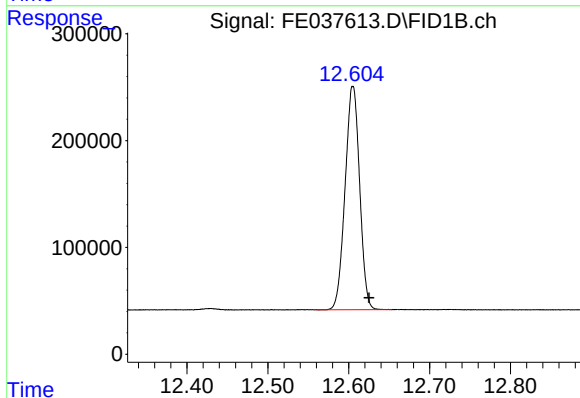
#9 ortho-Terphenyl (SURR)

R.T.: 11.624 min
Delta R.T.: -0.023 min
Response: 2763409
Conc: 16.35 ug/ml

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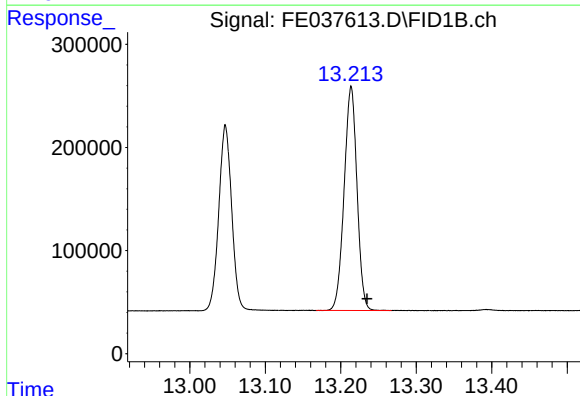
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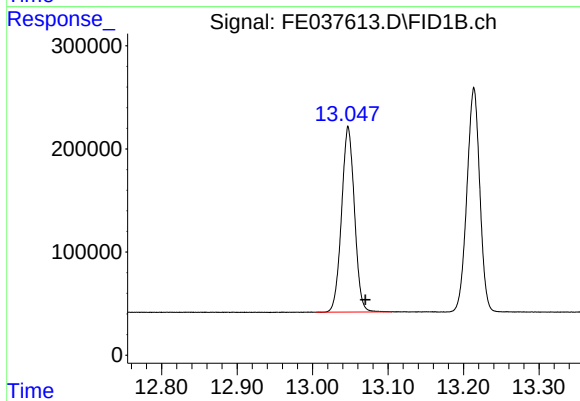
#10 n-Eicosane (C20)

R.T.: 12.605 min
Delta R.T.: -0.020 min
Response: 2614367
Conc: 16.52 ug/ml



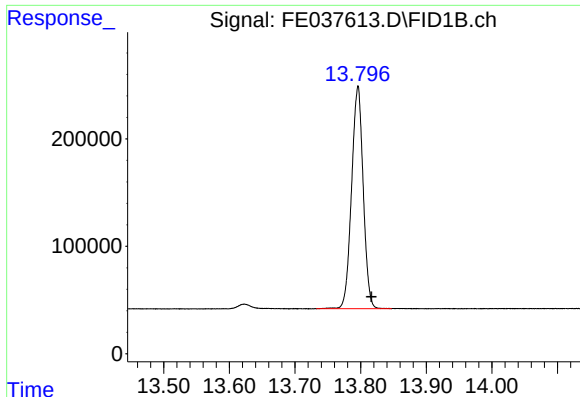
#11 n-Heneicosane (C21)

R.T.: 13.214 min
Delta R.T.: -0.021 min
Response: 2573742
Conc: 16.32 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.047 min
Delta R.T.: -0.023 min
Response: 2135336
Conc: 16.59 ug/ml



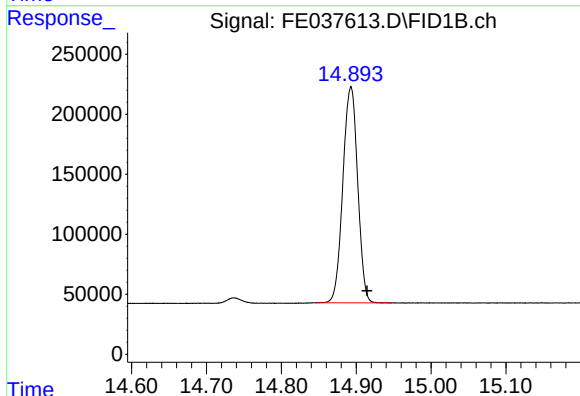
#13 n-Docosane (C22)

R.T.: 13.796 min
Delta R.T.: -0.020 min
Response: 2546327
Conc: 16.36 ug/ml

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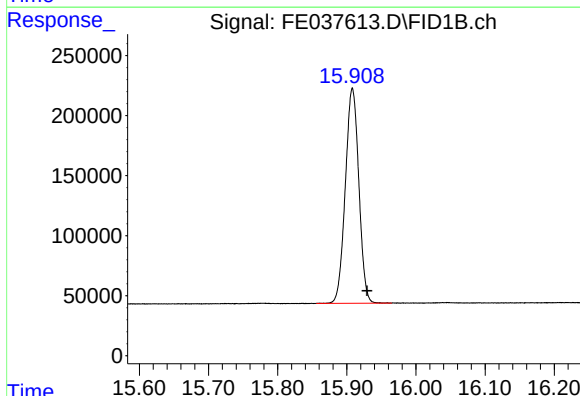
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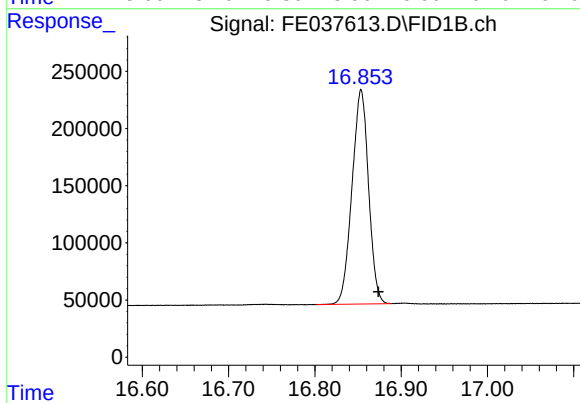
#14 n-Tetracosane (C24)

R.T.: 14.893 min
Delta R.T.: -0.022 min
Response: 2473819
Conc: 16.45 ug/ml



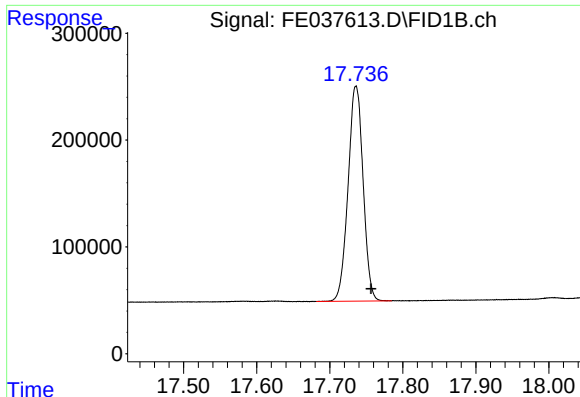
#15 n-Hexacosane (C26)

R.T.: 15.908 min
Delta R.T.: -0.021 min
Response: 2428924
Conc: 16.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.854 min
Delta R.T.: -0.020 min
Response: 2493884
Conc: 18.00 ug/ml



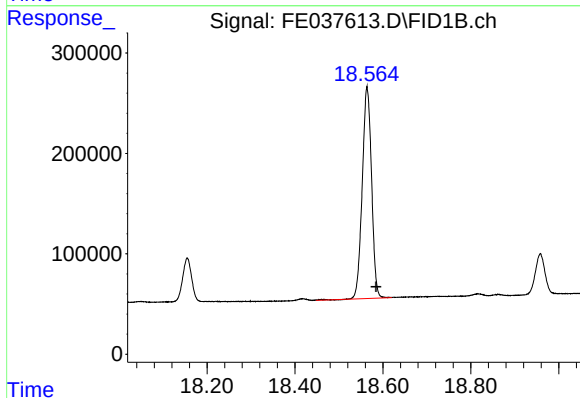
#17 n-Tricontane (C30)

R.T.: 17.736 min
Delta R.T.: -0.021 min
Response: 2879054
Conc: 21.16 ug/ml

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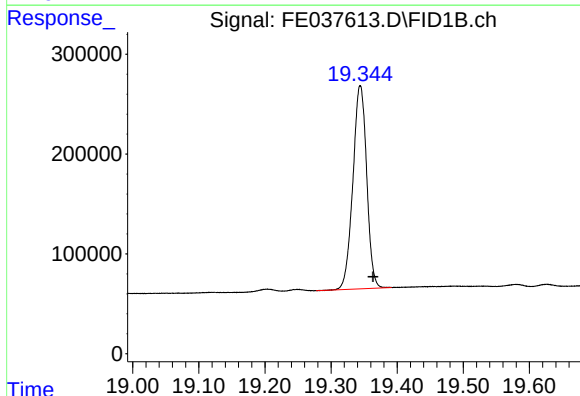
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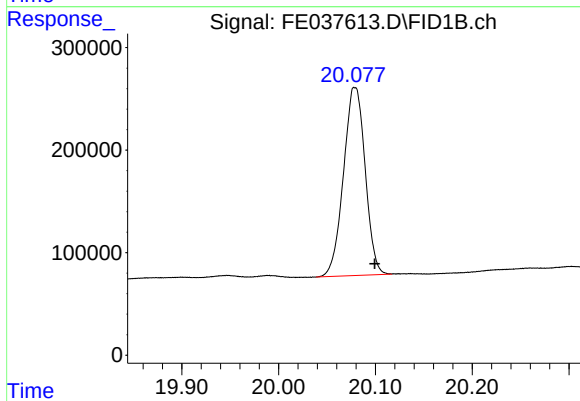
#18 n-Dotriacontane (C32)

R.T.: 18.564 min
Delta R.T.: -0.020 min
Response: 3104907
Conc: 23.25 ug/ml



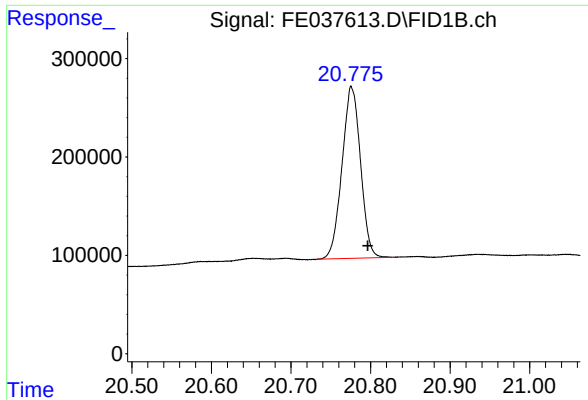
#19 n-Tetratriacontane (C34)

R.T.: 19.344 min
Delta R.T.: -0.019 min
Response: 2951174
Conc: 23.32 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.077 min
Delta R.T.: -0.022 min
Response: 2855898
Conc: 22.21 ug/ml m



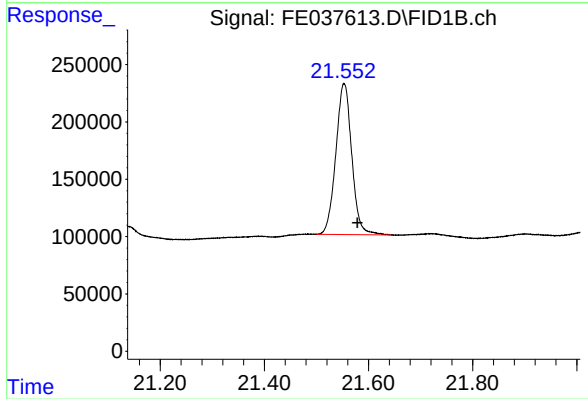
#21 n-Octatriacontane (C38)

R.T.: 20.775 min
Delta R.T.: -0.021 min
Response: 2828005
Conc: 22.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.552 min
Delta R.T.: -0.026 min
Response: 2796360
Conc: 21.69 ug/ml m