

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082622AL\
 Data File : FE037267.D
 Signal(s) : FID1B.ch
 Acq On : 26 Aug 2022 10:02
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2022
 Supervised By :Ankita Jodhani 08/29/2022

Integration File: autoint1.e
 Quant Time: Aug 27 02:39:31 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 082322.M
 Quant Title : GC Extractables
 QLast Update : Sat Aug 27 02:21:03 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)	11.661	3511787	20.320 ug/ml
Spiked Amount 50.000		Recovery =	40.64%
12) S 1-chlorooctadecane (S...	13.082	2709783	19.833 ug/ml
Spiked Amount 50.000		Recovery =	39.67%
Target Compounds			
1) T n-Nonane (C9)	3.055	3227628	21.665 ug/ml
2) T n-Decane (C10)	4.311	3278673	21.888 ug/ml
3) T A~Naphthalene (C11.7)	6.027	3257909	22.505 ug/ml
4) T n-Dodecane (C12)	6.481	3349342	21.666 ug/ml
5) T A~2-methylnaphthalene...	7.120	3187790	23.043 ug/ml
6) T n-Tetradecane (C14)	9.901	3343623	21.258 ug/ml
7) T n-Hexadecane (C16)	9.901	3343623	21.258 ug/ml
8) T n-Octadecane (C18)	11.337	3335934	20.699 ug/ml
10) T n-Eicosane (C20)	12.639	3287779	19.968 ug/ml
11) T n-Heneicosane (C21)	13.247	3257536	19.694 ug/ml
13) T n-Docosane (C22)	13.831	3208928	19.317 ug/ml
14) T n-Tetracosane (C24)	14.927	3086828	18.699 ug/ml
15) T n-Hexacosane (C26)	15.943	2964150	18.180 ug/ml
16) T n-Octacosane (C28)	16.890	2856038	17.987 ug/ml
17) T n-Tricontane (C30)	17.771	2850386	18.352 ug/mlm
18) T n-Dotriacontane (C32)	18.600	2830782	18.978 ug/ml
19) T n-Tetratriacontane (C34)	19.379	2711827	20.183 ug/mlm
20) T n-Hexatriacontane (C36)	20.115	2719878	21.186 ug/ml
21) T n-Octatriacontane (C38)	20.813	2729996	22.741 ug/ml
22) T n-Tetracontane (C40)	21.601	2714211	22.473 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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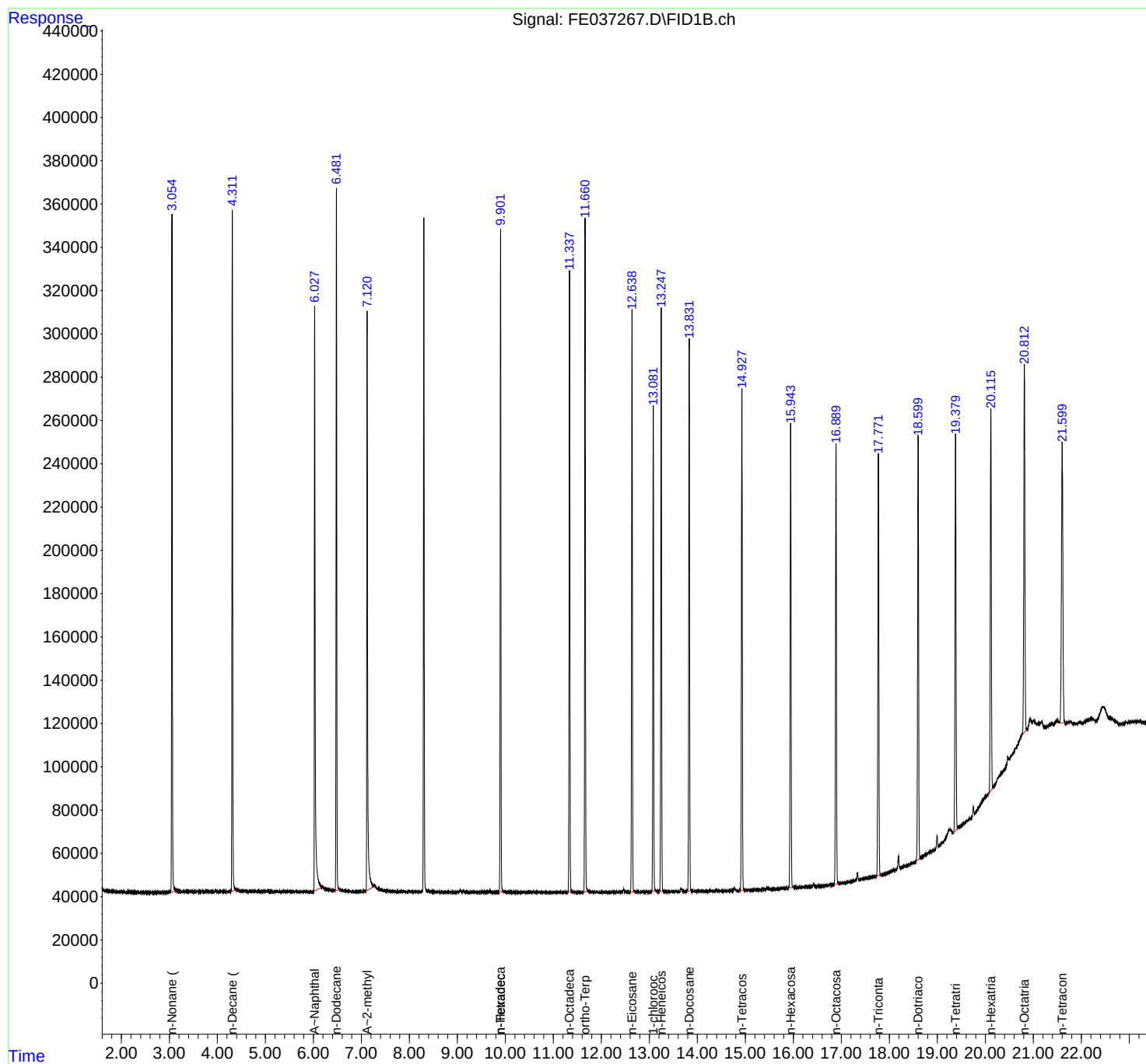
Instrument :
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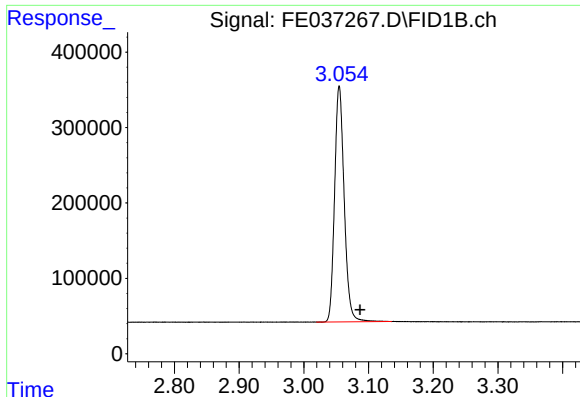
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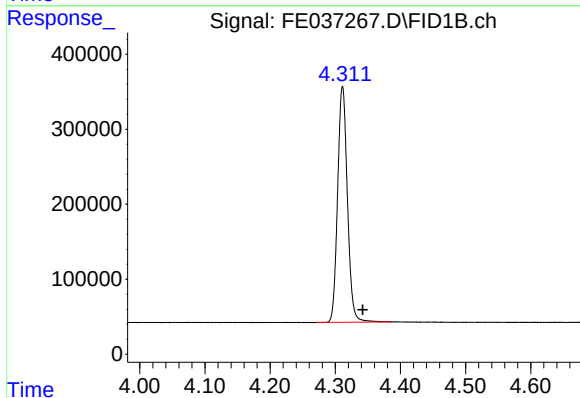
#1 n-Nonane (C9)

R.T.: 3.055 min
Delta R.T.: -0.032 min
Response: 3227628
Conc: 21.67 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

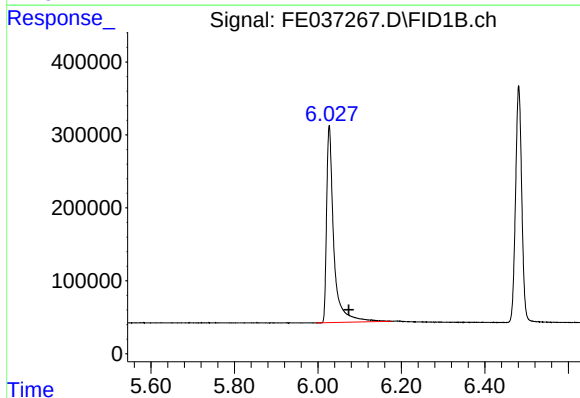
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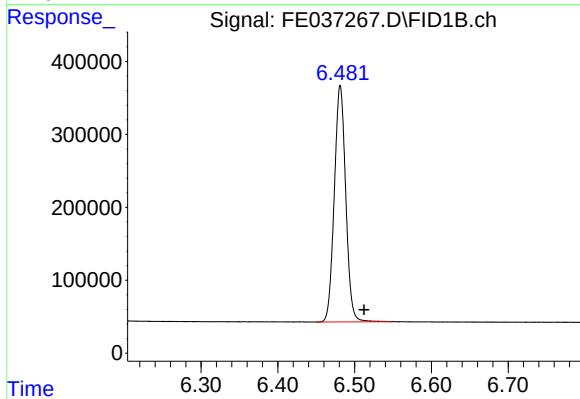
#2 n-Decane (C10)

R.T.: 4.311 min
Delta R.T.: -0.031 min
Response: 3278673
Conc: 21.89 ug/ml



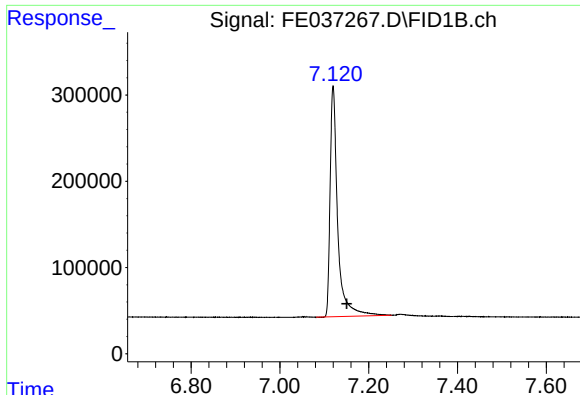
#3 A~Naphthalene (C11.7)

R.T.: 6.027 min
Delta R.T.: -0.047 min
Response: 3257909
Conc: 22.50 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.481 min
Delta R.T.: -0.031 min
Response: 3349342
Conc: 21.67 ug/ml



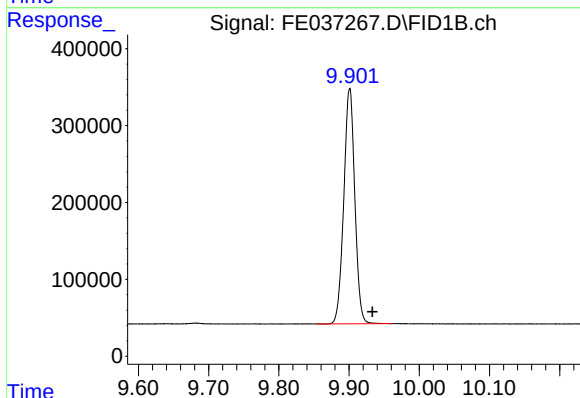
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.120 min
Delta R.T.: -0.031 min
Response: 3187790
Conc: 23.04 ug/ml

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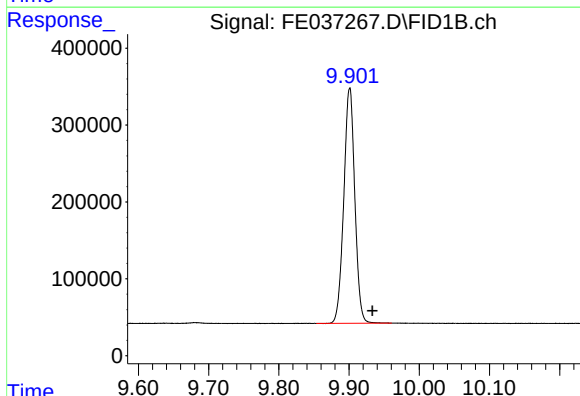
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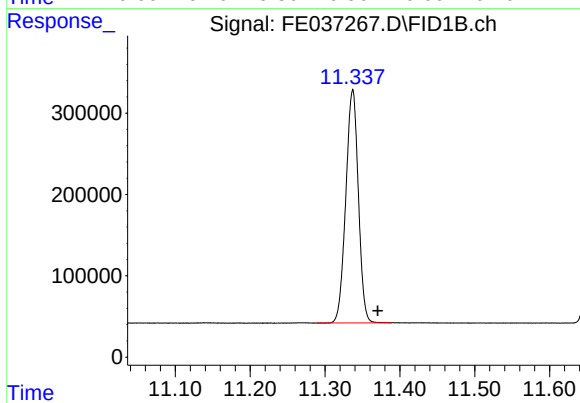
#6 n-Tetradecane (C14)

R.T.: 9.901 min
Delta R.T.: -0.032 min
Response: 3343623
Conc: 21.26 ug/ml



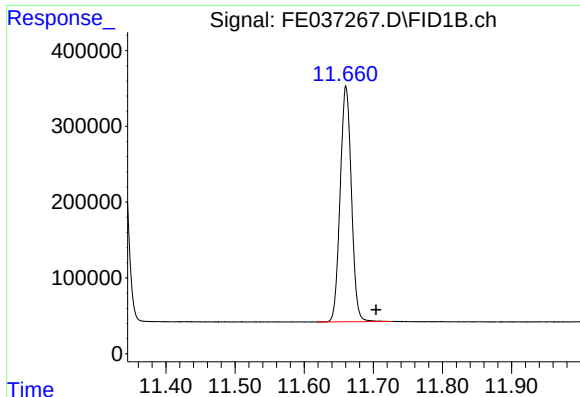
#7 n-Hexadecane (C16)

R.T.: 9.901 min
Delta R.T.: -0.032 min
Response: 3343623
Conc: 21.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.337 min
Delta R.T.: -0.033 min
Response: 3335934
Conc: 20.70 ug/ml



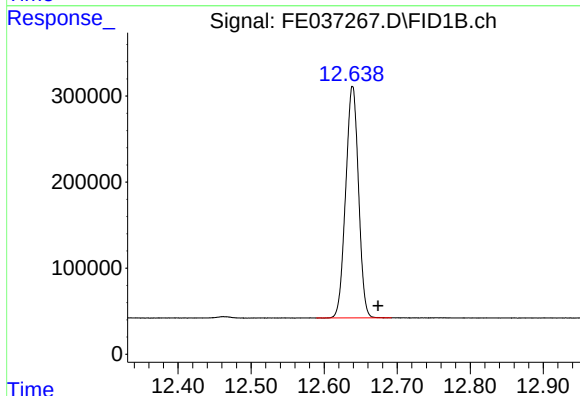
#9 ortho-Terphenyl (SURR)

R.T.: 11.661 min
Delta R.T.: -0.044 min
Response: 3511787
Conc: 20.32 ug/ml

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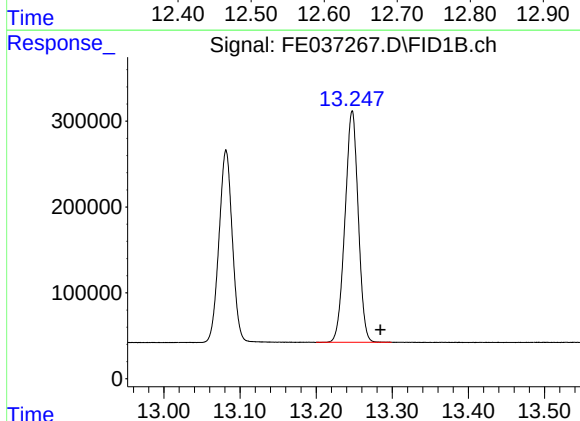
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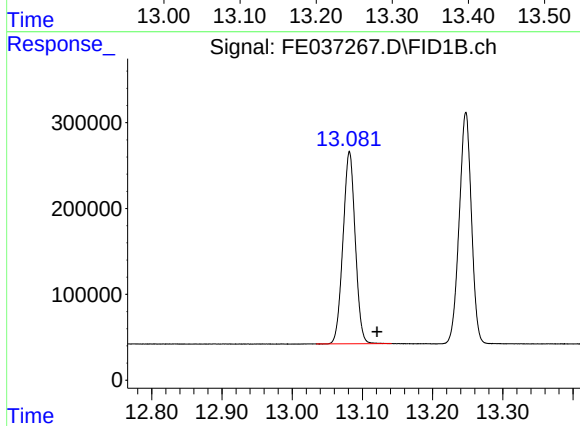
#10 n-Eicosane (C20)

R.T.: 12.639 min
Delta R.T.: -0.035 min
Response: 3287779
Conc: 19.97 ug/ml



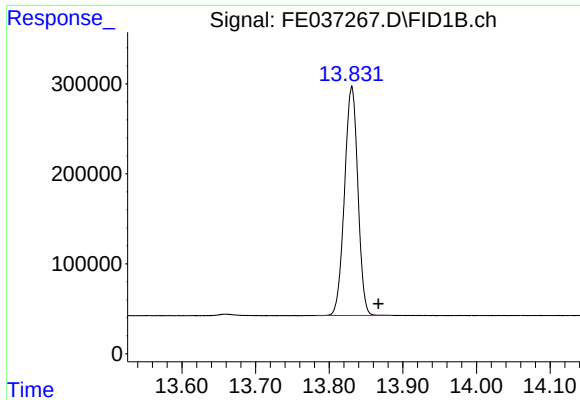
#11 n-Heneicosane (C21)

R.T.: 13.247 min
Delta R.T.: -0.037 min
Response: 3257536
Conc: 19.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.082 min
Delta R.T.: -0.039 min
Response: 2709783
Conc: 19.83 ug/ml



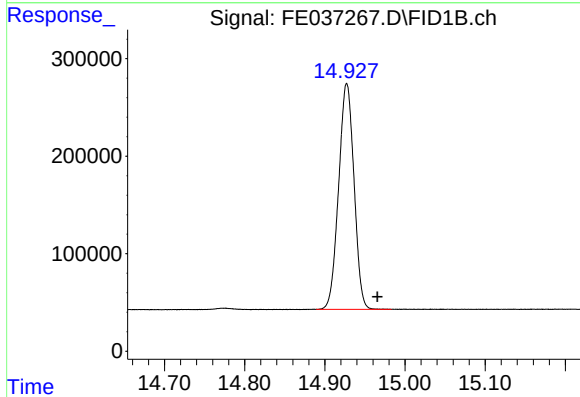
#13 n-Docosane (C22)

R.T.: 13.831 min
Delta R.T.: -0.036 min
Response: 3208928
Conc: 19.32 ug/ml

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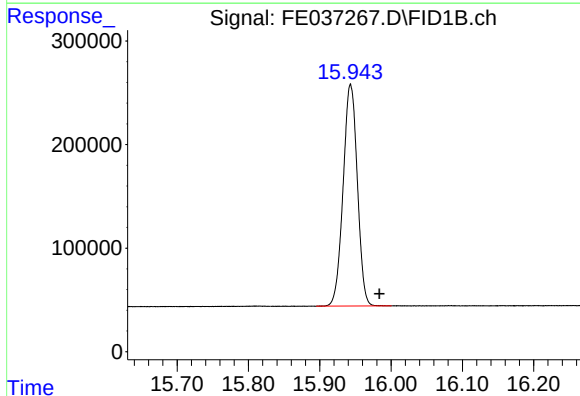
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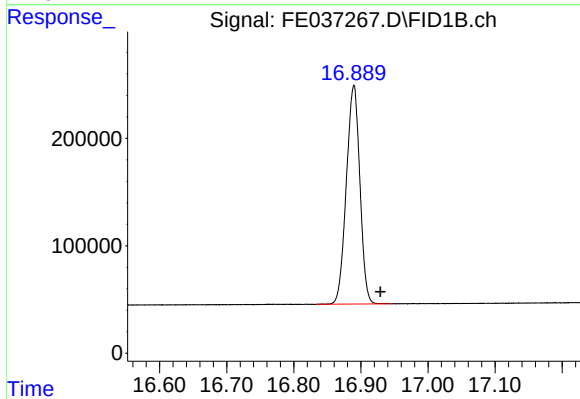
#14 n-Tetracosane (C24)

R.T.: 14.927 min
Delta R.T.: -0.038 min
Response: 3086828
Conc: 18.70 ug/ml



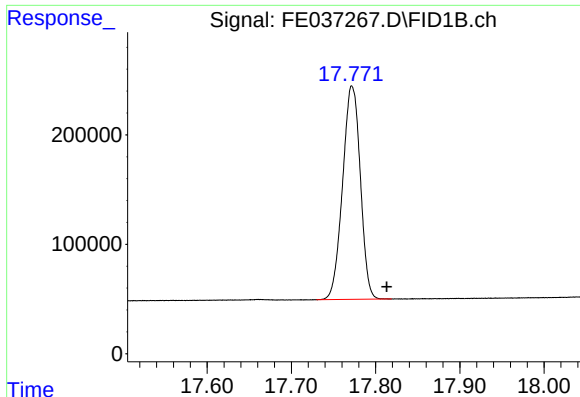
#15 n-Hexacosane (C26)

R.T.: 15.943 min
Delta R.T.: -0.040 min
Response: 2964150
Conc: 18.18 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.890 min
Delta R.T.: -0.040 min
Response: 2856038
Conc: 17.99 ug/ml



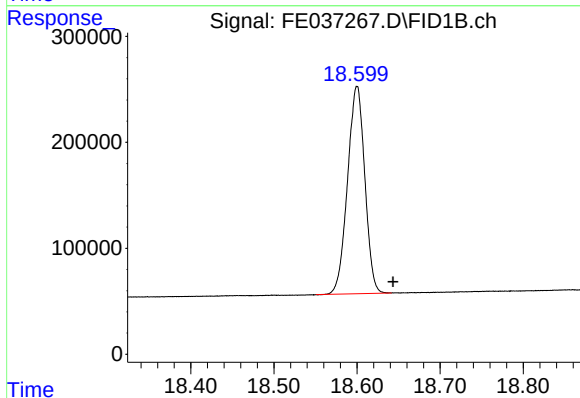
#17 n-Tricontane (C30)

R.T.: 17.771 min
Delta R.T.: -0.042 min
Response: 2850386
Conc: 18.35 ug/ml

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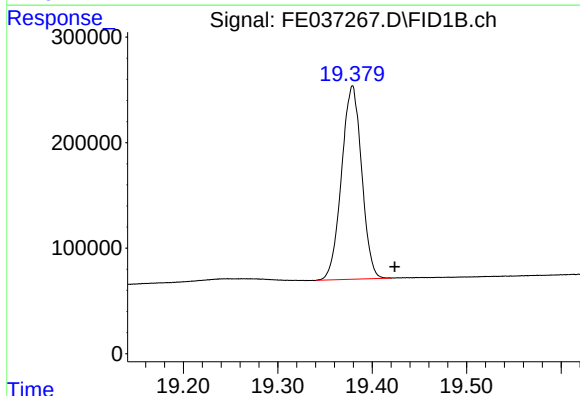
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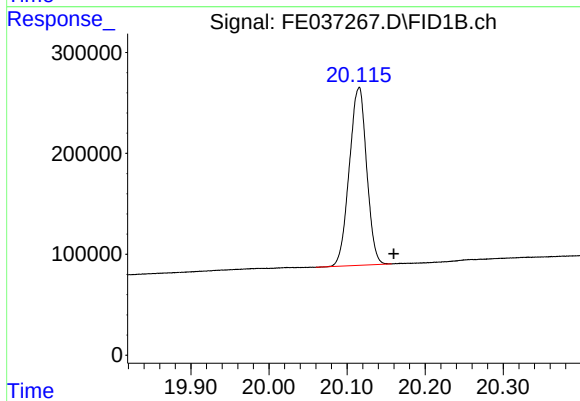
#18 n-Dotriacontane (C32)

R.T.: 18.600 min
Delta R.T.: -0.043 min
Response: 2830782
Conc: 18.98 ug/ml



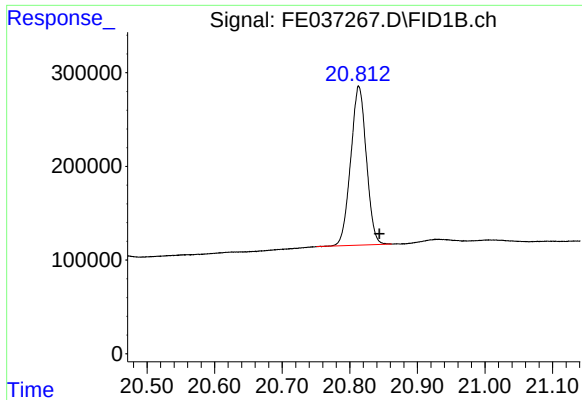
#19 n-Tetratriacontane (C34)

R.T.: 19.379 min
Delta R.T.: -0.045 min
Response: 2711827
Conc: 20.18 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.115 min
Delta R.T.: -0.045 min
Response: 2719878
Conc: 21.19 ug/ml



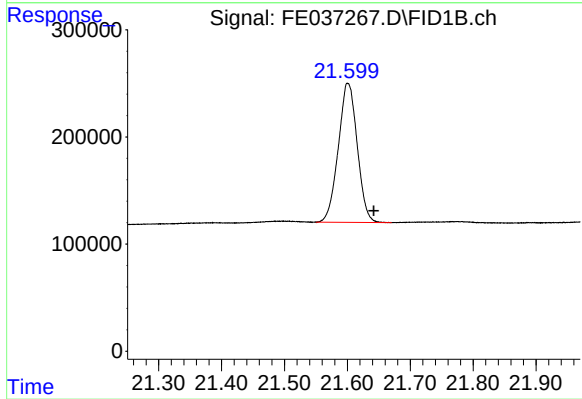
#21 n-Octatriacontane (C38)

R.T.: 20.813 min
Delta R.T.: -0.031 min
Response: 2729996
Conc: 22.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.601 min
Delta R.T.: -0.041 min
Response: 2714211
Conc: 22.47 ug/ml