

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051624AL\
 Data File : FE048225.D
 Signal(s) : FID1B.ch
 Acq On : 16 May 2024 23:01
 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 05/20/2024
 Supervised By :Ankita Jodhani 05/20/2024

Integration File: autoint1.e
 Quant Time: May 17 01:33:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 2024
 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)	11.963	2427771	16.829 ug/ml
Spiked Amount 50.000		Recovery =	33.66%
12) S 1-chlorooctadecane (S...	13.397	1864192	16.683 ug/ml
Spiked Amount 50.000		Recovery =	33.37%
Target Compounds			
1) T n-Nonane (C9)	3.348	2323417	18.028 ug/ml
2) T n-Decane (C10)	4.597	2465779	18.729 ug/ml
3) T A~Naphthalene (C11.7)	6.305	2442647	17.690 ug/ml
4) T n-Dodecane (C12)	6.763	2445890	18.347 ug/ml
5) T A~2-methylnaphthalene...	7.400	2326560	17.483 ug/ml
6) T n-Tetradecane (C14)	8.591	2359218	17.802 ug/ml
7) T n-Hexadecane (C16)	10.199	2388266	17.365 ug/ml
8) T n-Octadecane (C18)	11.641	2372347	17.031 ug/ml
10) T n-Eicosane (C20)	12.951	2276846	16.910 ug/ml
11) T n-Heneicosane (C21)	13.563	2216083	16.741 ug/ml
13) T n-Docosane (C22)	14.150	2271138	17.138 ug/ml
14) T n-Tetracosane (C24)	15.250	2393024	17.972 ug/ml
15) T n-Hexacosane (C26)	16.271	2491143	18.668 ug/ml
16) T n-Octacosane (C28)	17.220	2650861	19.909 ug/ml
17) T n-Tricontane (C30)	18.107	2961057	21.455 ug/ml
18) T n-Dotriacontane (C32)	18.939	2962708	21.449 ug/ml
19) T n-Tetratriacontane (C34)	19.723	2868439	21.057 ug/mlm
20) T n-Hexatriacontane (C36)	20.462	2775143	20.496 ug/mlm
21) T n-Octatriacontane (C38)	21.202	2520326	18.254 ug/mlm
22) T n-Tetracontane (C40)	22.125	2754069	19.768 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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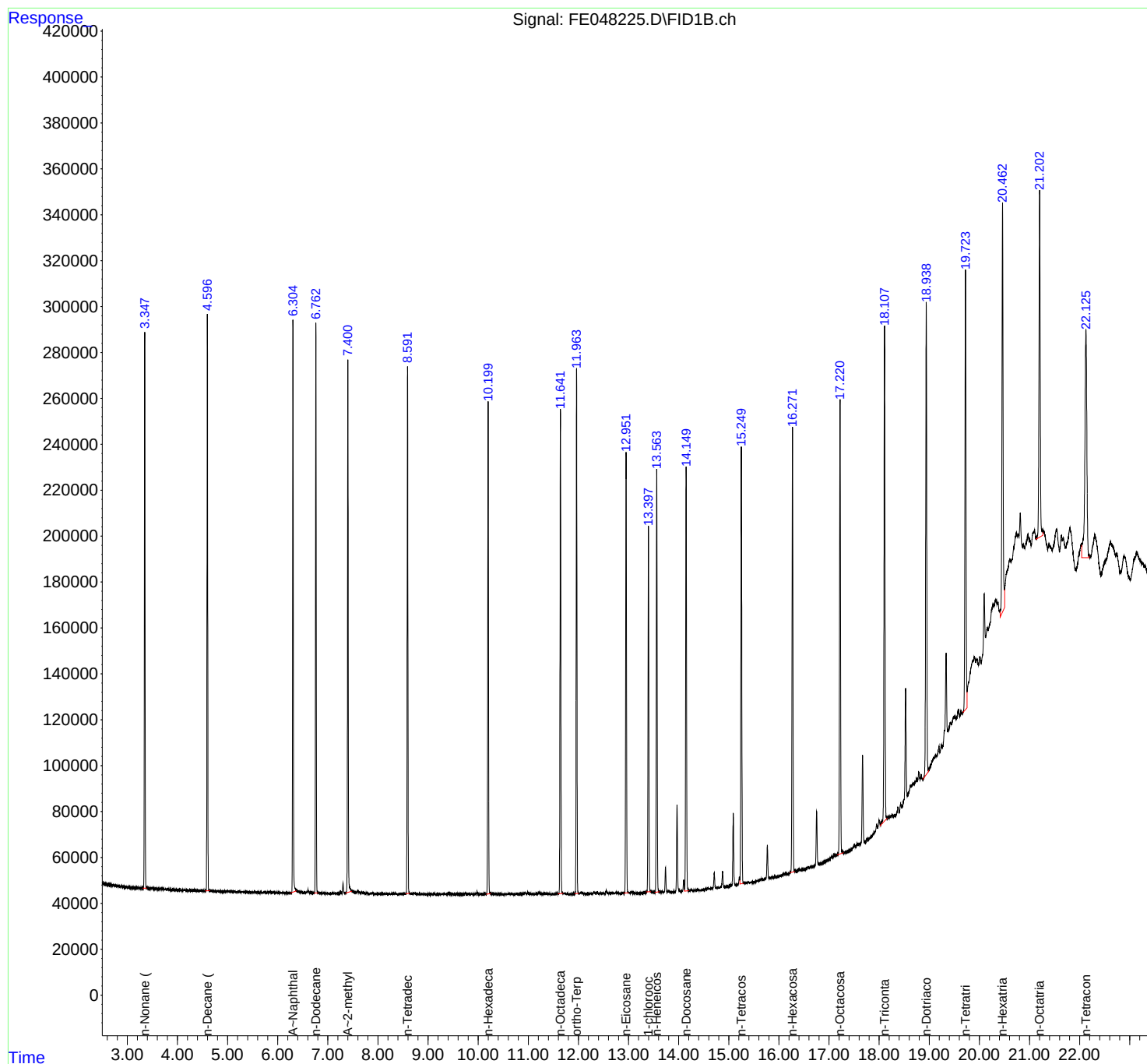
Instrument :
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20 PPM ALIPHATIC HC STD

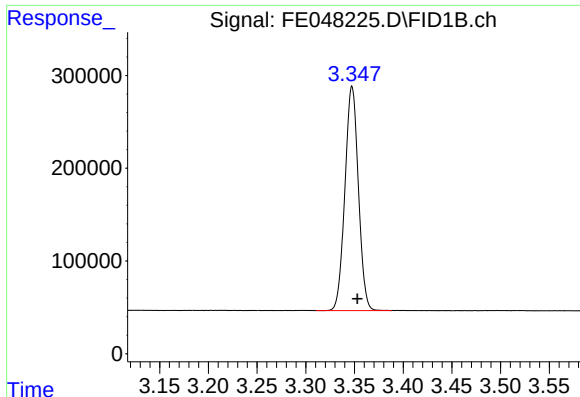
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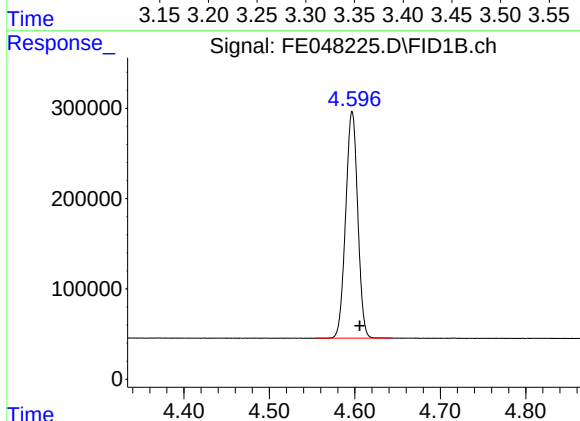
#1 n-Nonane (C9)

R.T.: 3.348 min
Delta R.T.: -0.005 min
Response: 2323417
Conc: 18.03 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

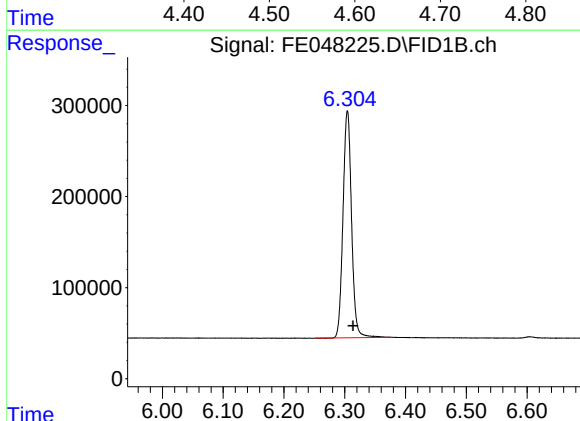
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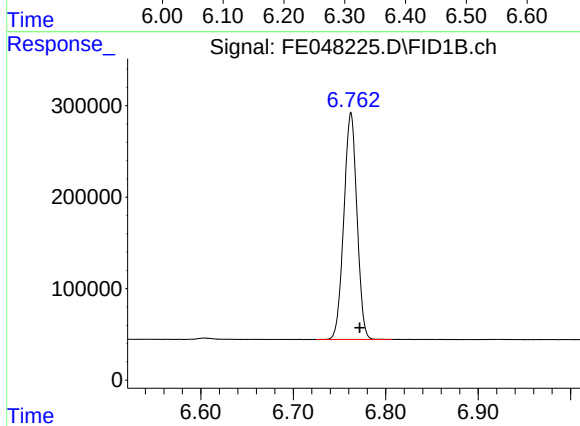
#2 n-Decane (C10)

R.T.: 4.597 min
Delta R.T.: -0.009 min
Response: 2465779
Conc: 18.73 ug/ml



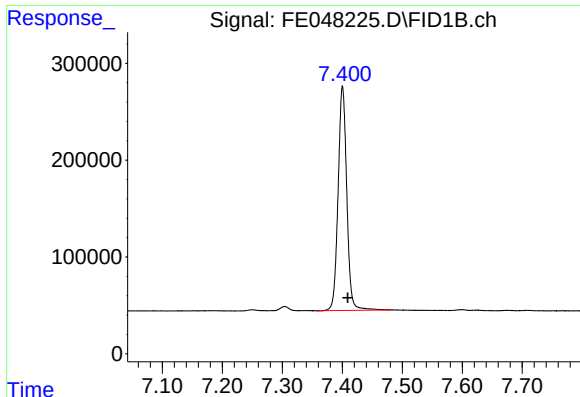
#3 A~Naphthalene (C11.7)

R.T.: 6.305 min
Delta R.T.: -0.009 min
Response: 2442647
Conc: 17.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.763 min
Delta R.T.: -0.009 min
Response: 2445890
Conc: 18.35 ug/ml



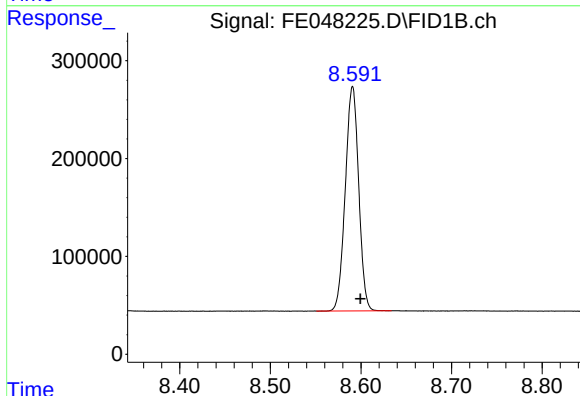
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.400 min
Delta R.T.: -0.009 min
Response: 2326560
Conc: 17.48 ug/ml

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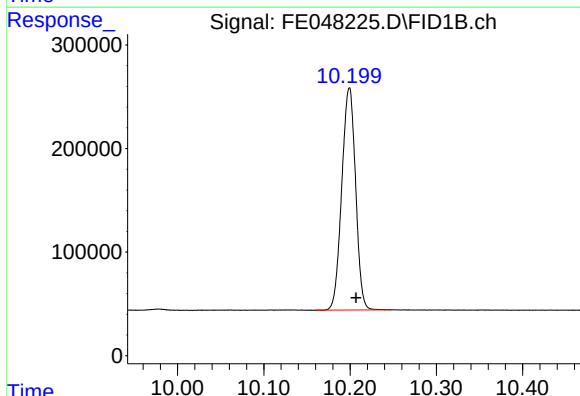
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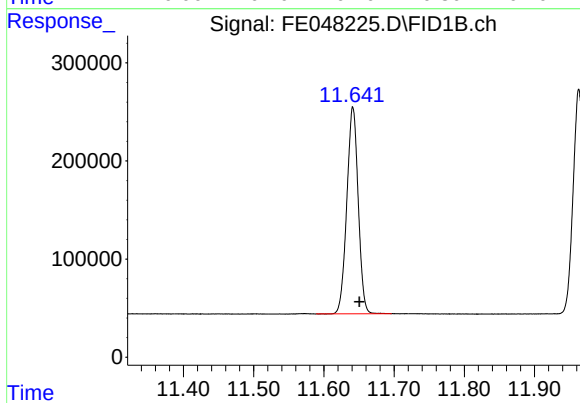
#6 n-Tetradecane (C14)

R.T.: 8.591 min
Delta R.T.: -0.009 min
Response: 2359218
Conc: 17.80 ug/ml



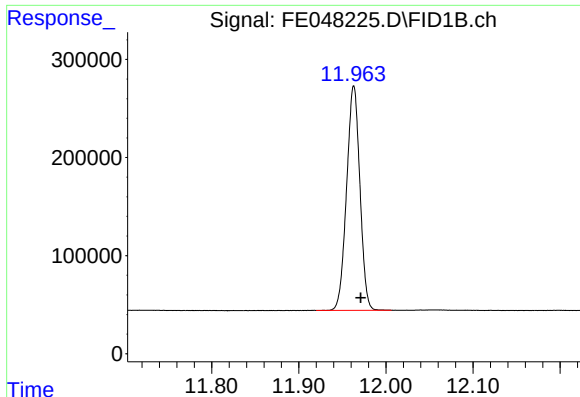
#7 n-Hexadecane (C16)

R.T.: 10.199 min
Delta R.T.: -0.008 min
Response: 2388266
Conc: 17.37 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.641 min
Delta R.T.: -0.009 min
Response: 2372347
Conc: 17.03 ug/ml



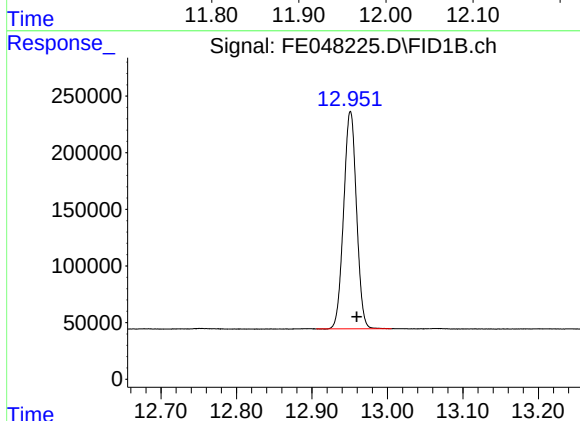
#9 ortho-Terphenyl (SURR)

R.T.: 11.963 min
Delta R.T.: -0.008 min
Response: 2427771
Conc: 16.83 ug/ml

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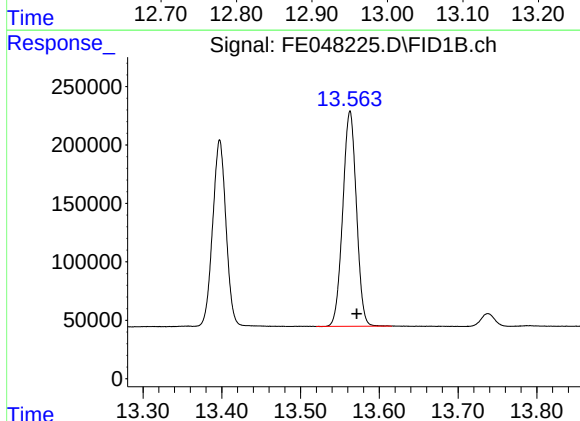
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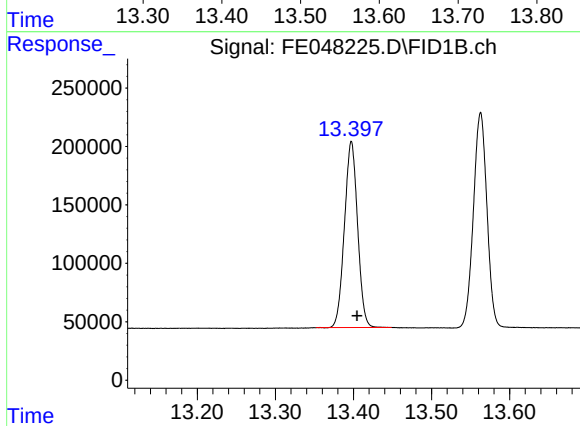
#10 n-Eicosane (C20)

R.T.: 12.951 min
Delta R.T.: -0.008 min
Response: 2276846
Conc: 16.91 ug/ml



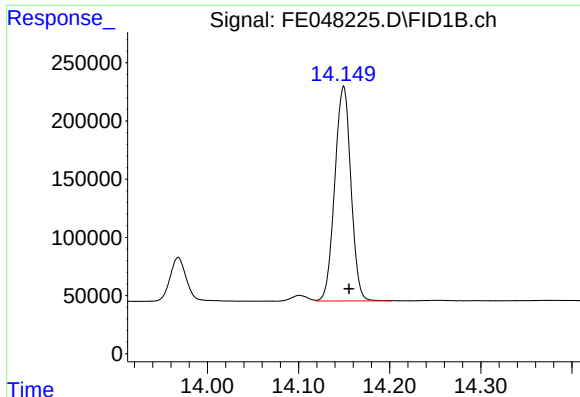
#11 n-Heneicosane (C21)

R.T.: 13.563 min
Delta R.T.: -0.008 min
Response: 2216083
Conc: 16.74 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.397 min
Delta R.T.: -0.007 min
Response: 1864192
Conc: 16.68 ug/ml



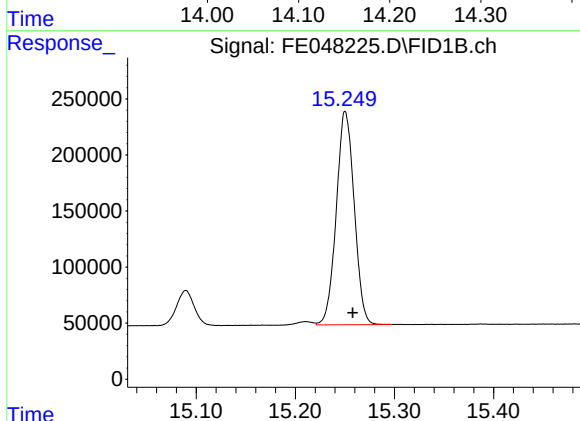
#13 n-Docosane (C22)

R.T.: 14.150 min
Delta R.T.: -0.006 min
Response: 2271138
Conc: 17.14 ug/ml

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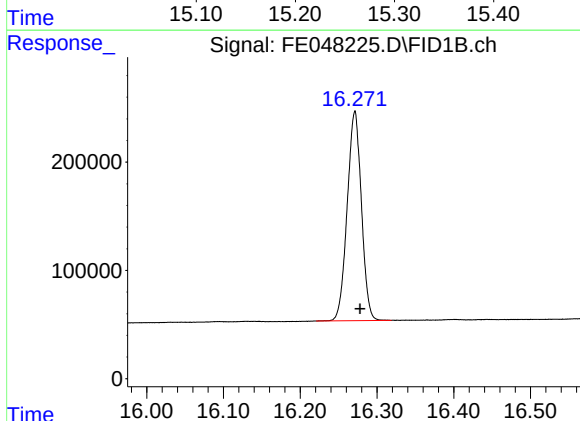
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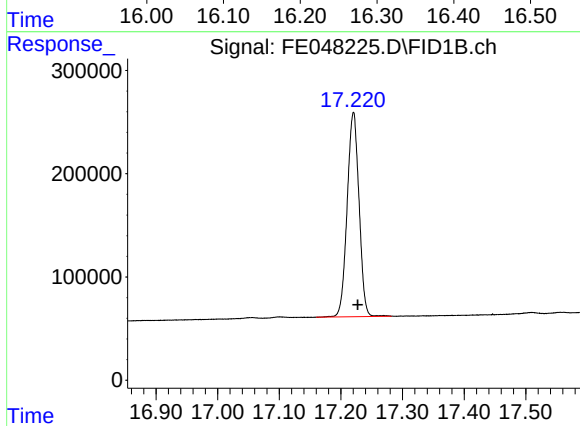
#14 n-Tetracosane (C24)

R.T.: 15.250 min
Delta R.T.: -0.008 min
Response: 2393024
Conc: 17.97 ug/ml



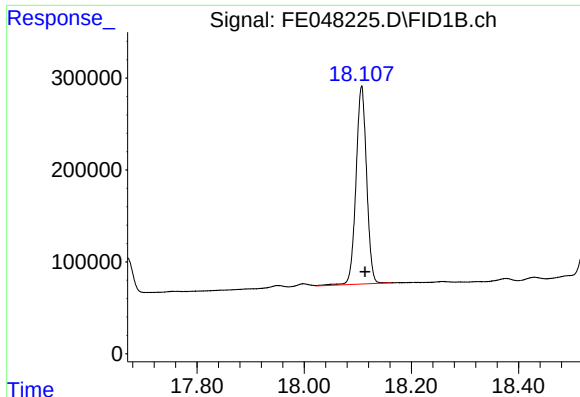
#15 n-Hexacosane (C26)

R.T.: 16.271 min
Delta R.T.: -0.007 min
Response: 2491143
Conc: 18.67 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.220 min
Delta R.T.: -0.007 min
Response: 2650861
Conc: 19.91 ug/ml



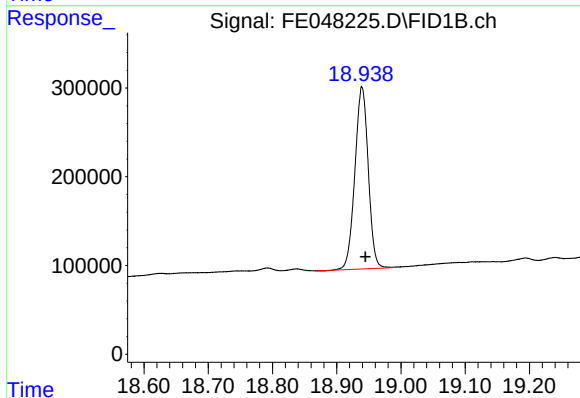
#17 n-Tricontane (C30)

R.T.: 18.107 min
Delta R.T.: -0.006 min
Response: 2961057
Conc: 21.45 ug/ml

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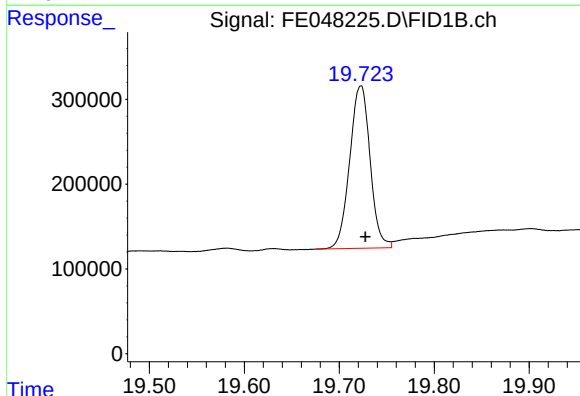
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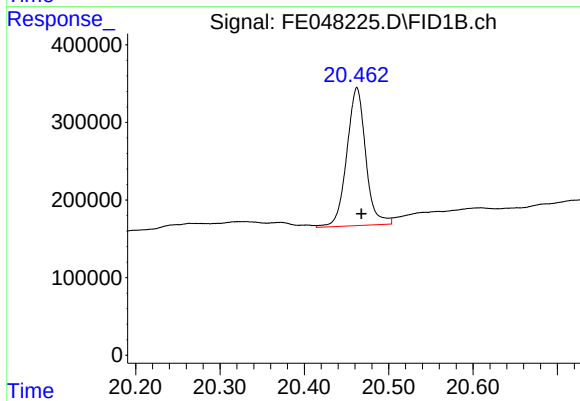
#18 n-Dotriacontane (C32)

R.T.: 18.939 min
Delta R.T.: -0.005 min
Response: 2962708
Conc: 21.45 ug/ml



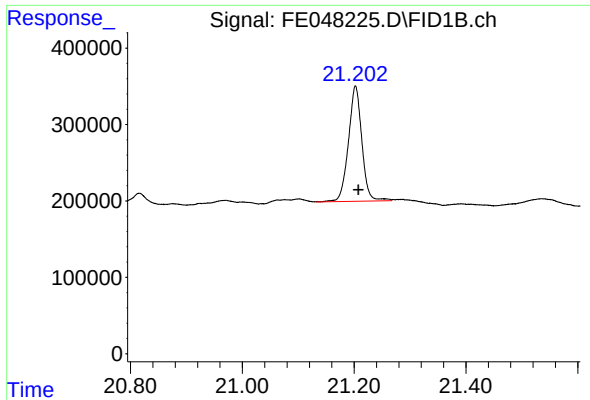
#19 n-Tetratriacontane (C34)

R.T.: 19.723 min
Delta R.T.: -0.005 min
Response: 2868439
Conc: 21.06 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.462 min
Delta R.T.: -0.005 min
Response: 2775143
Conc: 20.50 ug/ml m



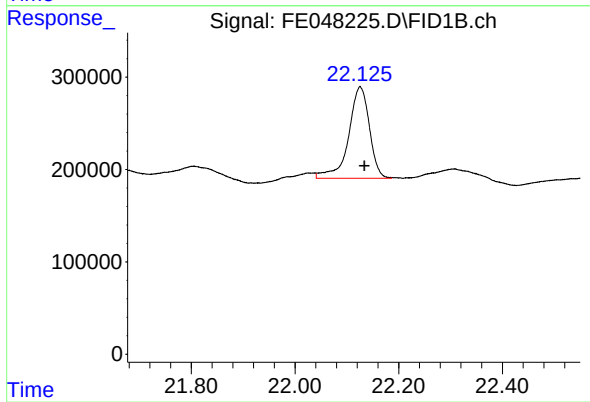
#21 n-Octatriacontane (C38)

R.T.: 21.202 min
Delta R.T.: -0.006 min
Response: 2520326
Conc: 18.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.125 min
Delta R.T.: -0.009 min
Response: 2754069
Conc: 19.77 ug/ml m