

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050824AL\
 Data File : FE048046.D
 Signal(s) : FID1B.ch
 Acq On : 09 May 2024 00:53
 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 05/09/2024
 Supervised By :Ankita Jodhani 05/09/2024

Integration File: autoint1.e
 Quant Time: May 09 01:27:03 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)	11.967	3071492	21.291 ug/ml
Spiked Amount 50.000		Recovery =	42.58%
12) S 1-chlorooctadecane (S...	13.401	2372979	21.236 ug/ml
Spiked Amount 50.000		Recovery =	42.47%
Target Compounds			
1) T n-Nonane (C9)	3.347	2691228	20.882 ug/mlm
2) T n-Decane (C10)	4.600	2769271	21.034 ug/ml
3) T A~Naphthalene (C11.7)	6.307	2929198	21.213 ug/ml
4) T n-Dodecane (C12)	6.766	2795537	20.970 ug/ml
5) T A~2-methylnaphthalene...	7.404	2815030	21.154 ug/ml
6) T n-Tetradecane (C14)	8.595	2781960	20.992 ug/ml
7) T n-Hexadecane (C16)	10.202	2884702	20.975 ug/ml
8) T n-Octadecane (C18)	11.646	2939305	21.101 ug/ml
10) T n-Eicosane (C20)	12.955	2846053	21.138 ug/ml
11) T n-Heneicosane (C21)	13.566	2803827	21.181 ug/ml
13) T n-Docosane (C22)	14.153	2793748	21.082 ug/ml
14) T n-Tetracosane (C24)	15.256	2799949	21.028 ug/ml
15) T n-Hexacosane (C26)	16.277	2774288	20.790 ug/ml
16) T n-Octacosane (C28)	17.226	2778913	20.871 ug/ml
17) T n-Tricontane (C30)	18.112	2927142	21.209 ug/ml
18) T n-Dotriacontane (C32)	18.946	2981561	21.586 ug/ml
19) T n-Tetratriacontane (C34)	19.728	2944310	21.614 ug/ml
20) T n-Hexatriacontane (C36)	20.469	2904000	21.448 ug/ml
21) T n-Octatriacontane (C38)	21.210	2923593	21.175 ug/ml
22) T n-Tetracontane (C40)	22.136	2851943	20.470 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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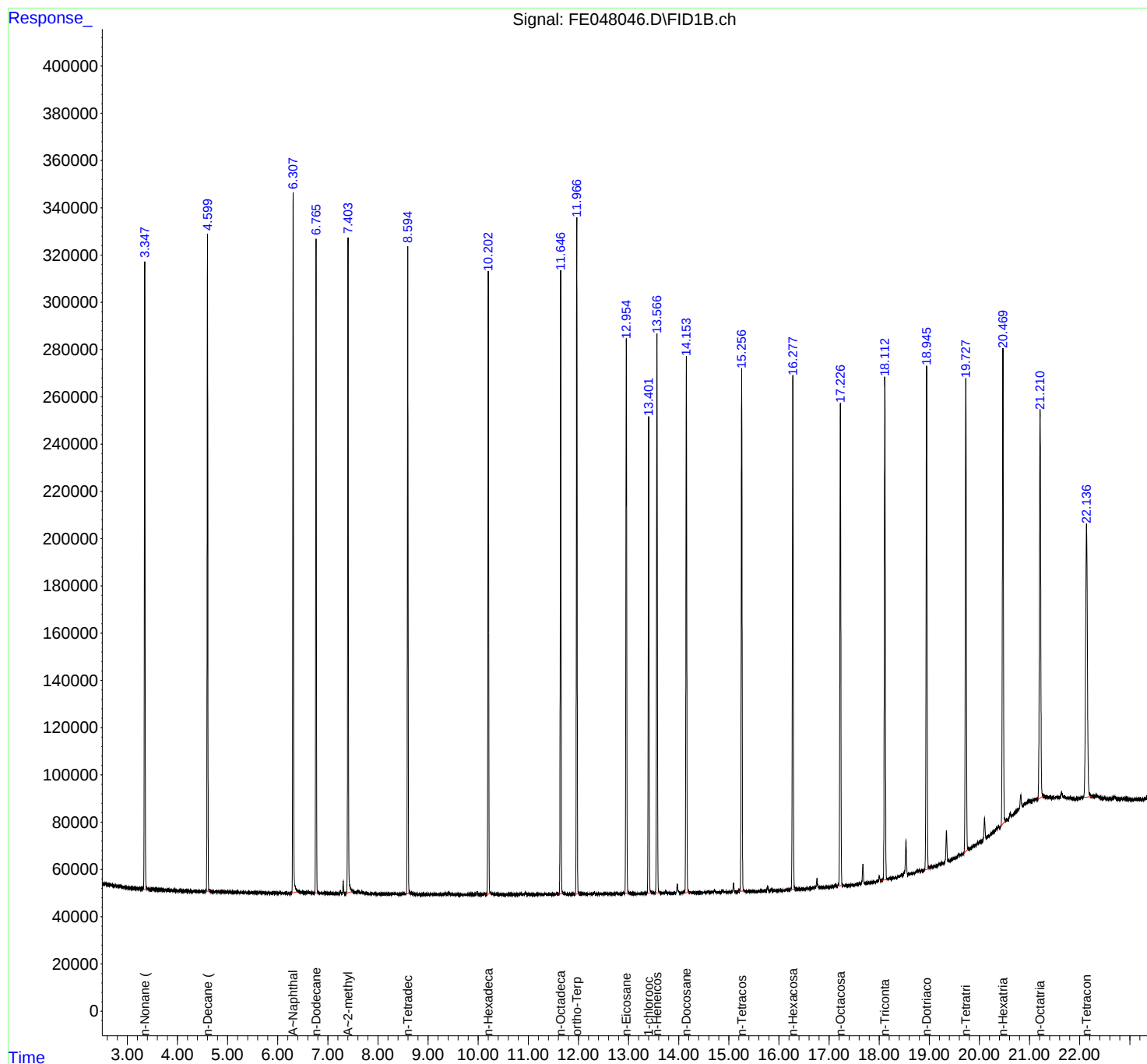
Instrument :
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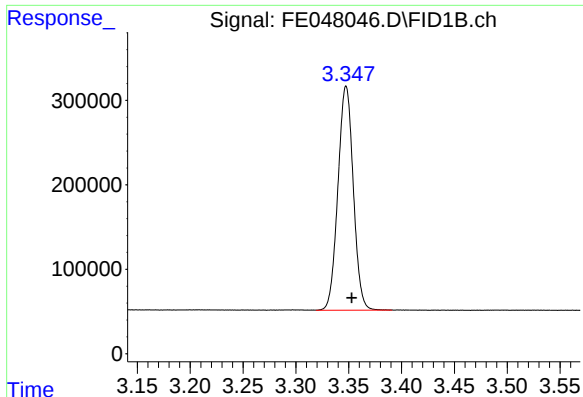
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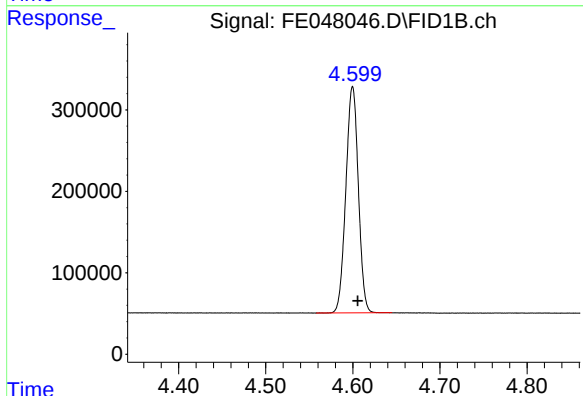
#1 n-Nonane (C9)

R.T.: 3.347 min
Delta R.T.: -0.006 min
Response: 2691228
Conc: 20.88 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

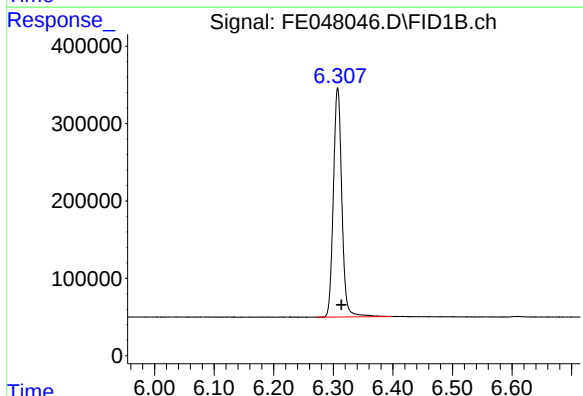
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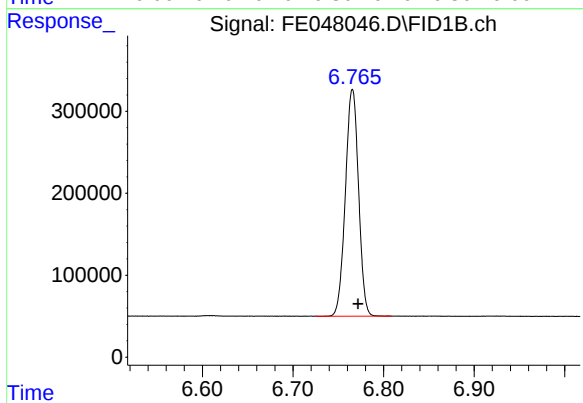
#2 n-Decane (C10)

R.T.: 4.600 min
Delta R.T.: -0.006 min
Response: 2769271
Conc: 21.03 ug/ml



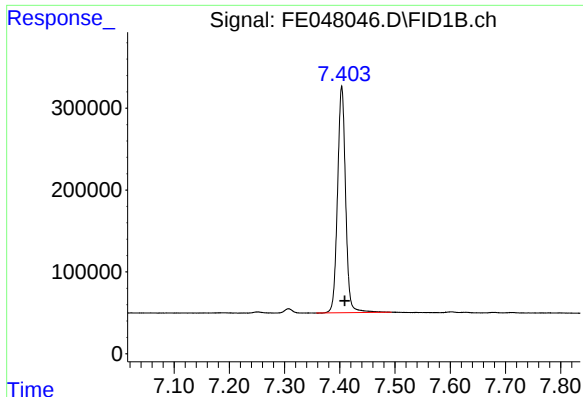
#3 A~Naphthalene (C11.7)

R.T.: 6.307 min
Delta R.T.: -0.006 min
Response: 2929198
Conc: 21.21 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.766 min
Delta R.T.: -0.006 min
Response: 2795537
Conc: 20.97 ug/ml



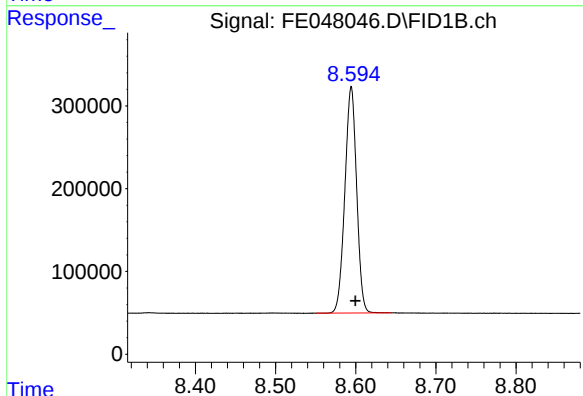
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.404 min
Delta R.T.: -0.005 min
Response: 2815030
Conc: 21.15 ug/ml

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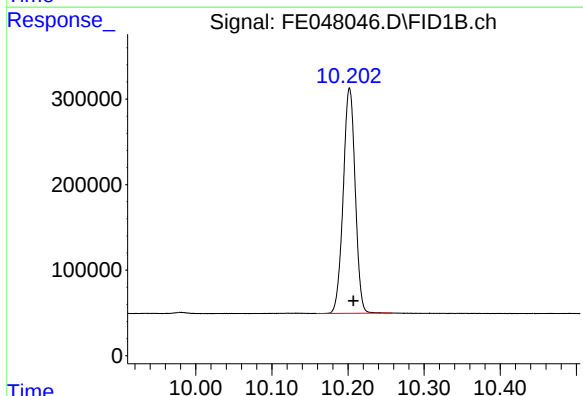
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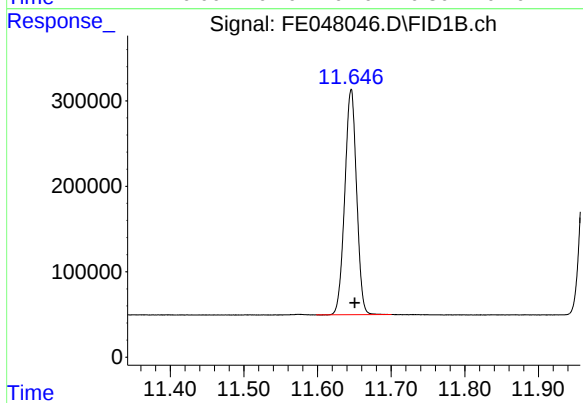
#6 n-Tetradecane (C14)

R.T.: 8.595 min
Delta R.T.: -0.005 min
Response: 2781960
Conc: 20.99 ug/ml



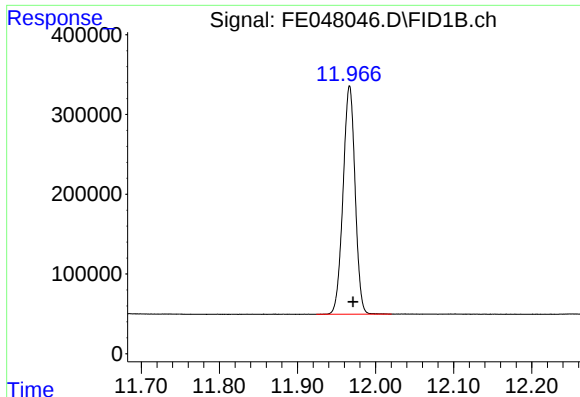
#7 n-Hexadecane (C16)

R.T.: 10.202 min
Delta R.T.: -0.005 min
Response: 2884702
Conc: 20.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.646 min
Delta R.T.: -0.005 min
Response: 2939305
Conc: 21.10 ug/ml



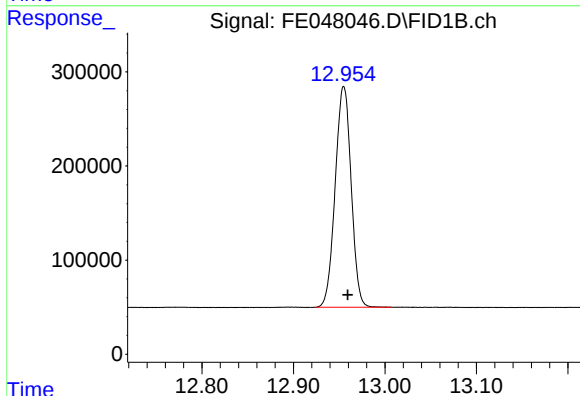
#9 ortho-Terphenyl (SURR)

R.T.: 11.967 min
Delta R.T.: -0.004 min
Response: 3071492
Conc: 21.29 ug/ml

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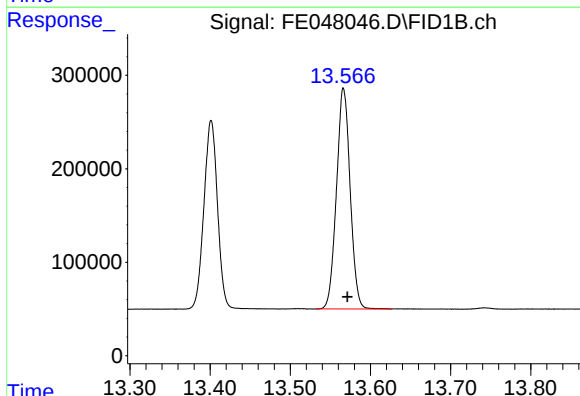
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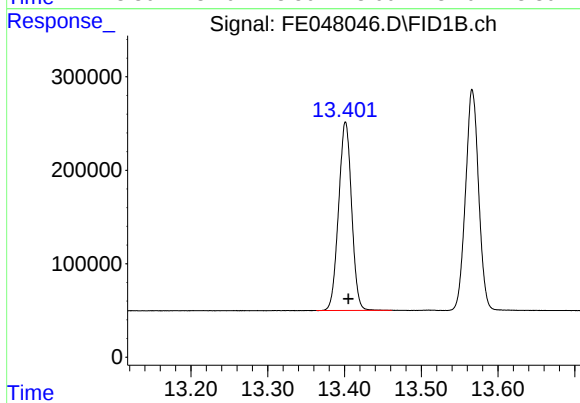
#10 n-Eicosane (C20)

R.T.: 12.955 min
Delta R.T.: -0.004 min
Response: 2846053
Conc: 21.14 ug/ml



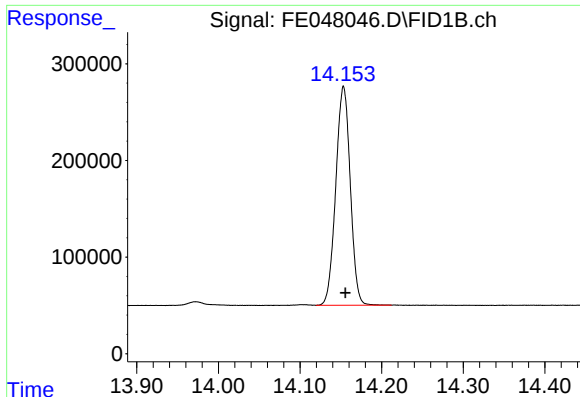
#11 n-Heneicosane (C21)

R.T.: 13.566 min
Delta R.T.: -0.005 min
Response: 2803827
Conc: 21.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.401 min
Delta R.T.: -0.004 min
Response: 2372979
Conc: 21.24 ug/ml



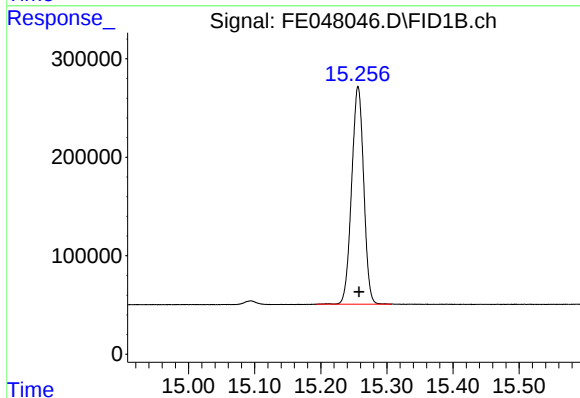
#13 n-Docosane (C22)

R.T.: 14.153 min
Delta R.T.: -0.002 min
Response: 2793748
Conc: 21.08 ug/ml

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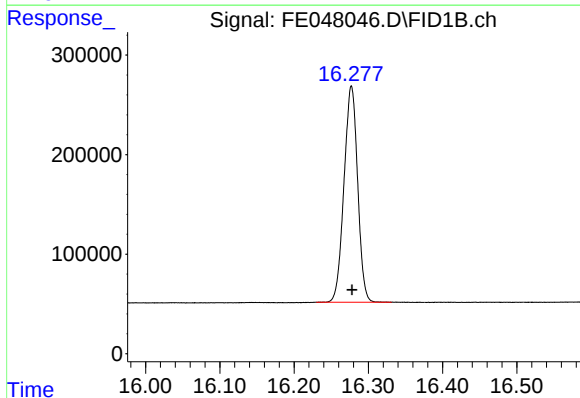
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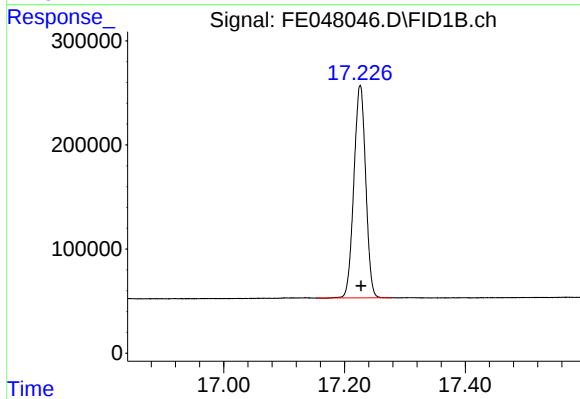
#14 n-Tetracosane (C24)

R.T.: 15.256 min
Delta R.T.: -0.001 min
Response: 2799949
Conc: 21.03 ug/ml



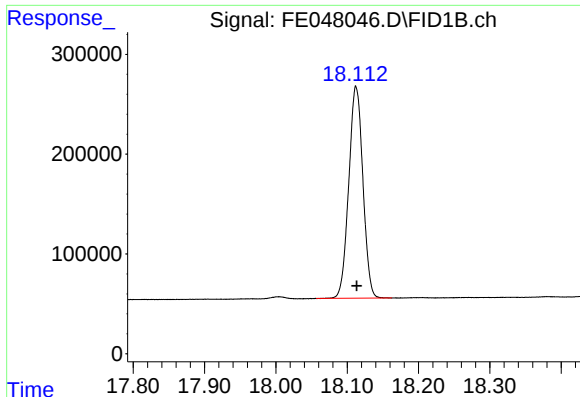
#15 n-Hexacosane (C26)

R.T.: 16.277 min
Delta R.T.: 0.000 min
Response: 2774288
Conc: 20.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.226 min
Delta R.T.: -0.001 min
Response: 2778913
Conc: 20.87 ug/ml



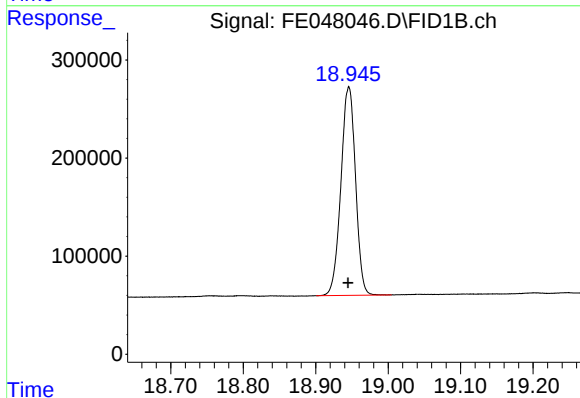
#17 n-Tricontane (C30)

R.T.: 18.112 min
Delta R.T.: 0.000 min
Response: 2927142
Conc: 21.21 ug/ml

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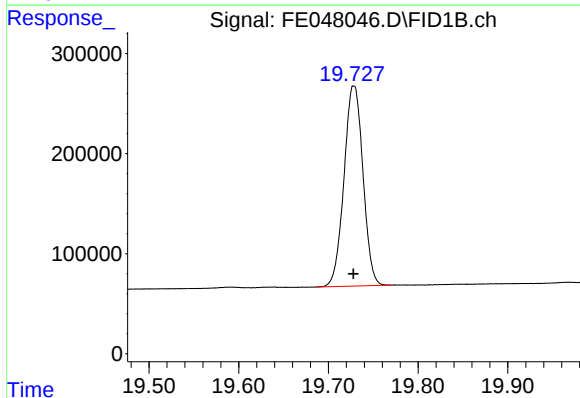
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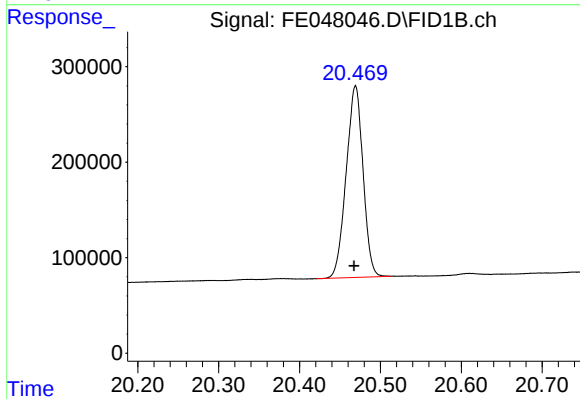
#18 n-Dotriacontane (C32)

R.T.: 18.946 min
Delta R.T.: 0.000 min
Response: 2981561
Conc: 21.59 ug/ml



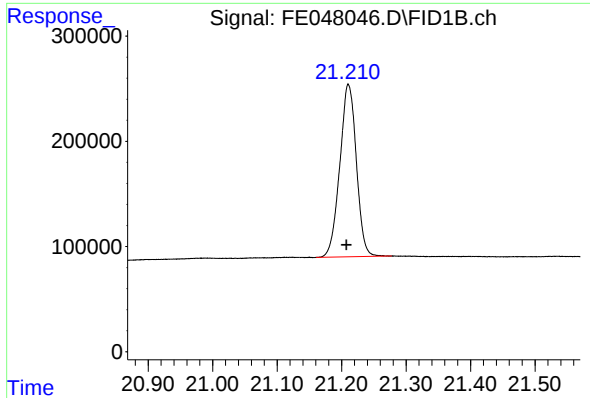
#19 n-Tetratriacontane (C34)

R.T.: 19.728 min
Delta R.T.: 0.000 min
Response: 2944310
Conc: 21.61 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.469 min
Delta R.T.: 0.002 min
Response: 2904000
Conc: 21.45 ug/ml



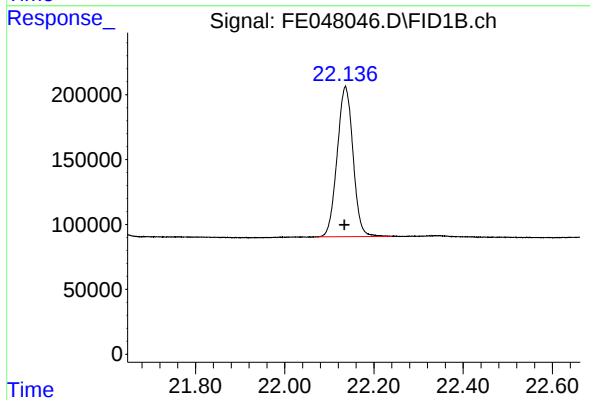
#21 n-Octatriacontane (C38)

R.T.: 21.210 min
Delta R.T.: 0.003 min
Response: 2923593
Conc: 21.18 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.136 min
Delta R.T.: 0.002 min
Response: 2851943
Conc: 20.47 ug/ml