

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051024AL\
 Data File : FE048112.D
 Signal(s) : FID1B.ch
 Acq On : 11 May 2024 05:42
 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 05/13/2024
 Supervised By :Ankita Jodhani 05/13/2024

Integration File: autoint1.e
 Quant Time: May 11 06:33:03 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)	11.959	3014779	20.898 ug/ml
Spiked Amount 50.000		Recovery =	41.80%
12) S 1-chlorooctadecane (S...	13.393	2304619	20.625 ug/ml
Spiked Amount 50.000		Recovery =	41.25%
Target Compounds			
1) T n-Nonane (C9)	3.348	2897483	22.482 ug/ml
2) T n-Decane (C10)	4.596	2985896	22.680 ug/ml
3) T A~Naphthalene (C11.7)	6.301	3039836	22.015 ug/ml
4) T n-Dodecane (C12)	6.760	2959238	22.198 ug/ml
5) T A~2-methylnaphthalene...	7.397	2876724	21.617 ug/ml
6) T n-Tetradecane (C14)	8.589	2875593	21.699 ug/ml
7) T n-Hexadecane (C16)	10.197	2940960	21.384 ug/ml
8) T n-Octadecane (C18)	11.638	2944483	21.138 ug/ml
10) T n-Eicosane (C20)	12.948	2799065	20.789 ug/ml
11) T n-Heneicosane (C21)	13.559	2721064	20.556 ug/ml
13) T n-Docosane (C22)	14.146	2694439	20.332 ug/ml
14) T n-Tetracosane (C24)	15.247	2677384	20.108 ug/ml
15) T n-Hexacosane (C26)	16.268	2660518	19.937 ug/ml
16) T n-Octacosane (C28)	17.217	2662690	19.998 ug/ml
17) T n-Tricontane (C30)	18.103	2835341	20.544 ug/ml
18) T n-Dotriacontane (C32)	18.935	2962371	21.447 ug/ml
19) T n-Tetratriacontane (C34)	19.717	2772591	20.353 ug/mlm
20) T n-Hexatriacontane (C36)	20.457	2637032	19.476 ug/ml
21) T n-Octatriacontane (C38)	21.195	2568071	18.600 ug/ml
22) T n-Tetracontane (C40)	22.119	2512096	18.031 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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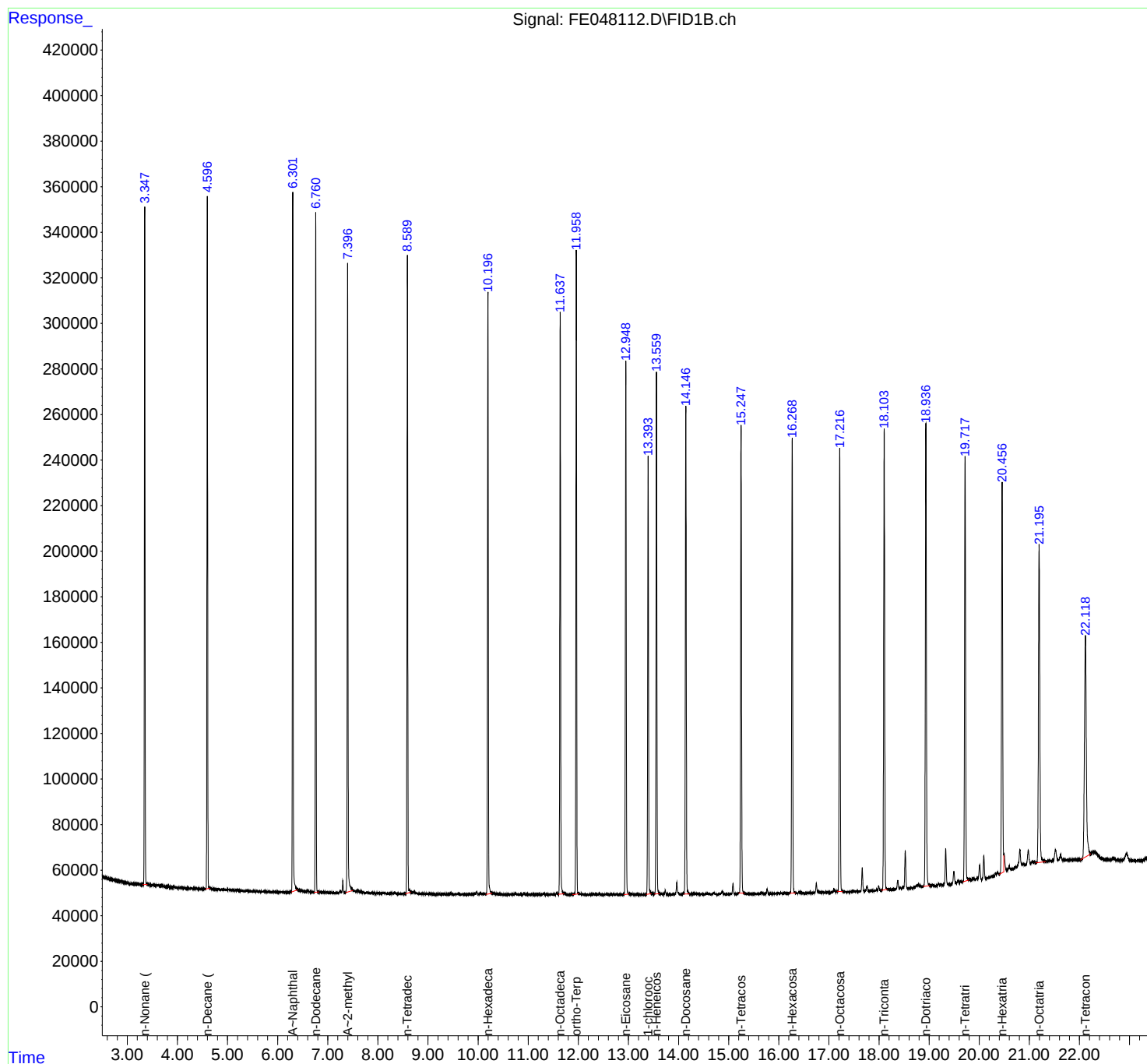
Instrument :
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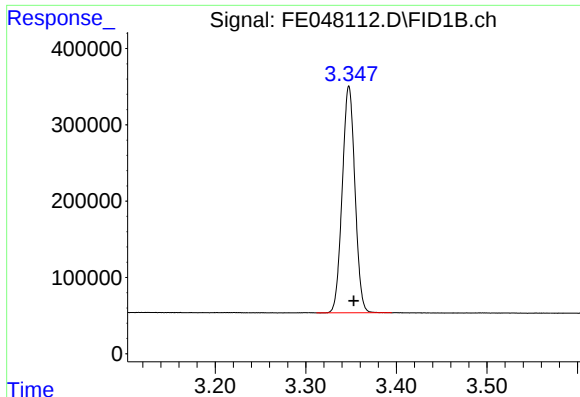
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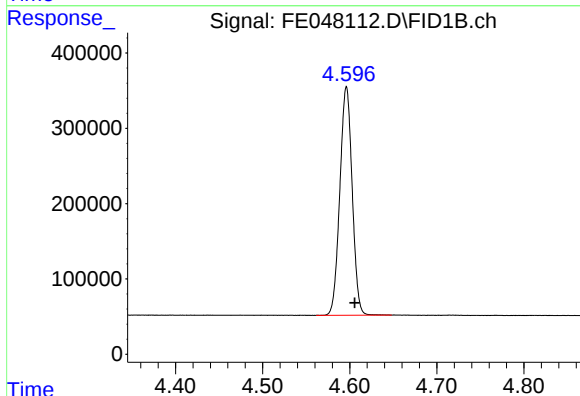
#1 n-Nonane (C9)

R.T.: 3.348 min
Delta R.T.: -0.005 min
Response: 2897483
Conc: 22.48 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

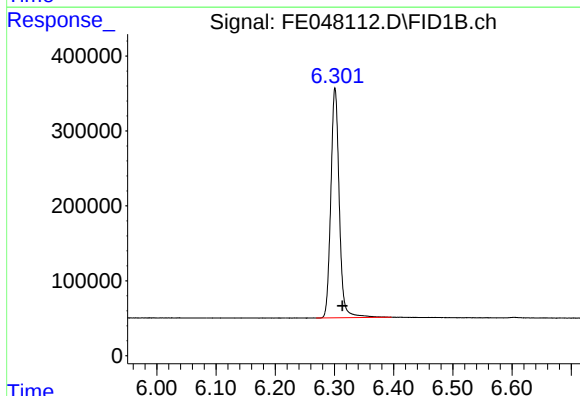
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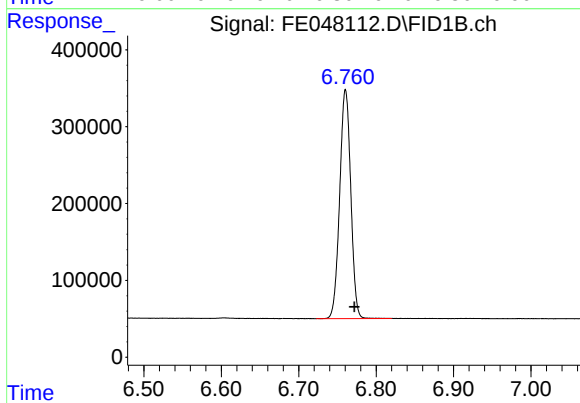
#2 n-Decane (C10)

R.T.: 4.596 min
Delta R.T.: -0.009 min
Response: 2985896
Conc: 22.68 ug/ml



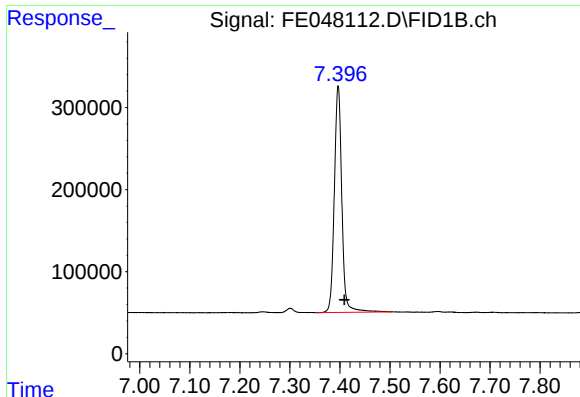
#3 A~Naphthalene (C11.7)

R.T.: 6.301 min
Delta R.T.: -0.012 min
Response: 3039836
Conc: 22.01 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.760 min
Delta R.T.: -0.011 min
Response: 2959238
Conc: 22.20 ug/ml



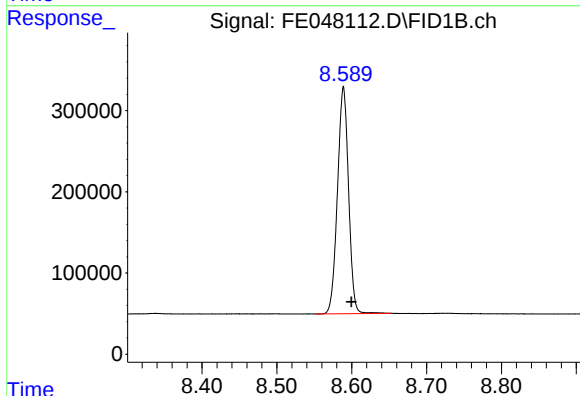
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.397 min
Delta R.T.: -0.012 min
Response: 2876724
Conc: 21.62 ug/ml

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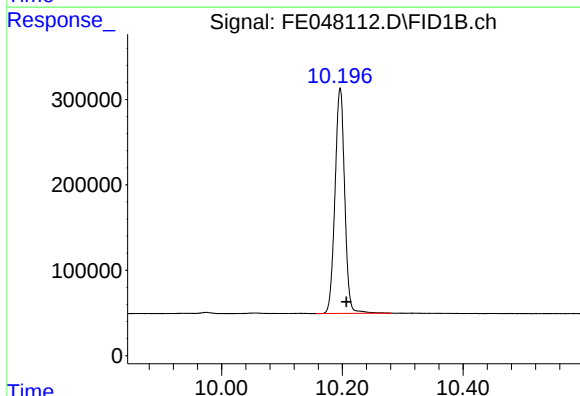
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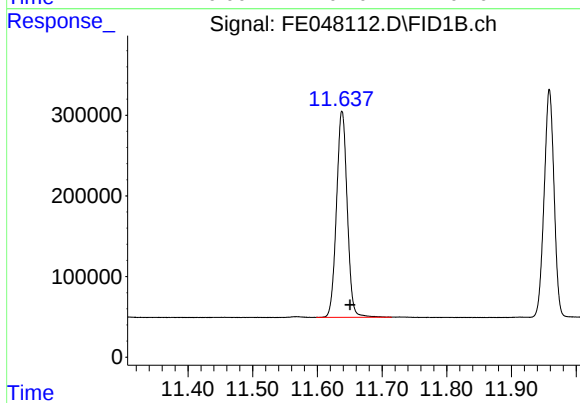
#6 n-Tetradecane (C14)

R.T.: 8.589 min
Delta R.T.: -0.010 min
Response: 2875593
Conc: 21.70 ug/ml



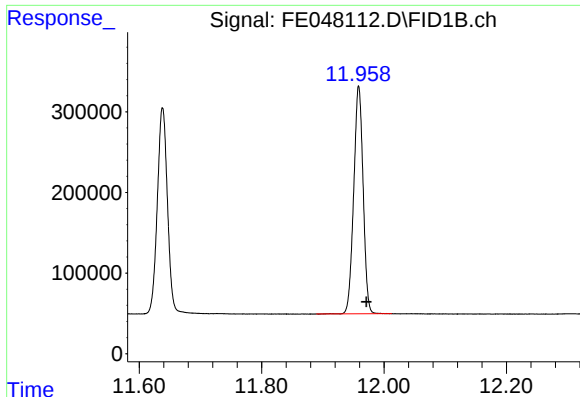
#7 n-Hexadecane (C16)

R.T.: 10.197 min
Delta R.T.: -0.010 min
Response: 2940960
Conc: 21.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.638 min
Delta R.T.: -0.012 min
Response: 2944483
Conc: 21.14 ug/ml



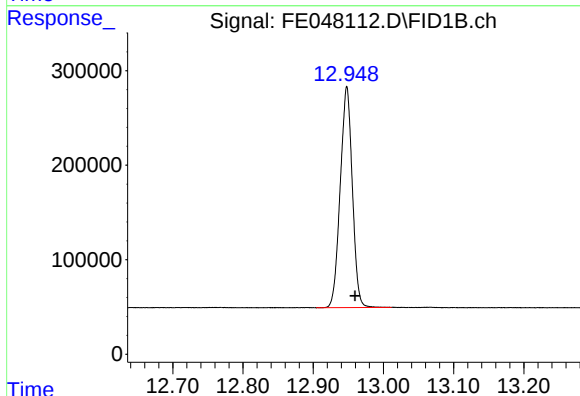
#9 ortho-Terphenyl (SURR)

R.T.: 11.959 min
Delta R.T.: -0.012 min
Response: 3014779
Conc: 20.90 ug/ml

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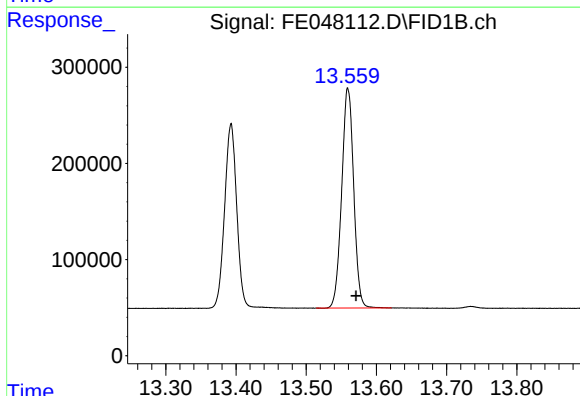
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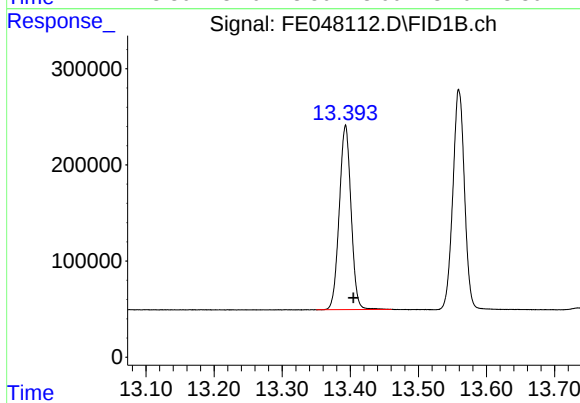
#10 n-Eicosane (C20)

R.T.: 12.948 min
Delta R.T.: -0.011 min
Response: 2799065
Conc: 20.79 ug/ml



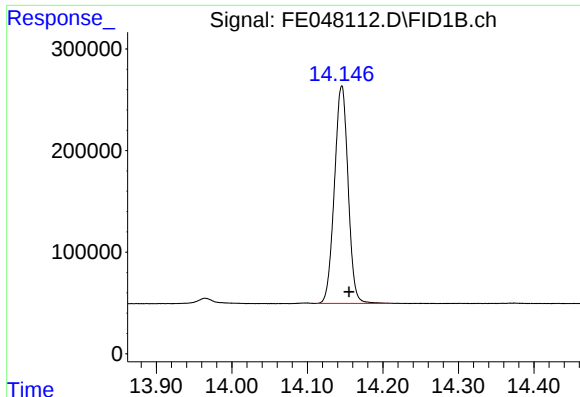
#11 n-Heneicosane (C21)

R.T.: 13.559 min
Delta R.T.: -0.012 min
Response: 2721064
Conc: 20.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.393 min
Delta R.T.: -0.012 min
Response: 2304619
Conc: 20.62 ug/ml



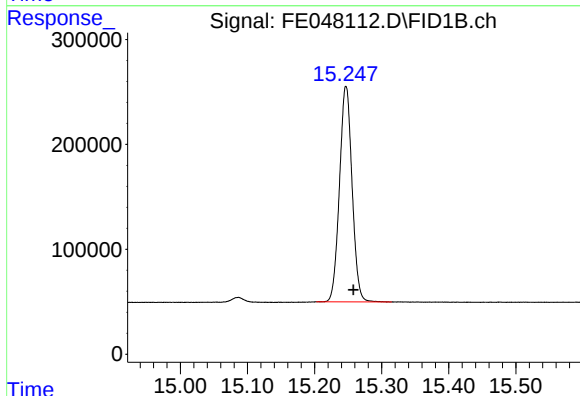
#13 n-Docosane (C22)

R.T.: 14.146 min
Delta R.T.: -0.010 min
Response: 2694439
Conc: 20.33 ug/ml

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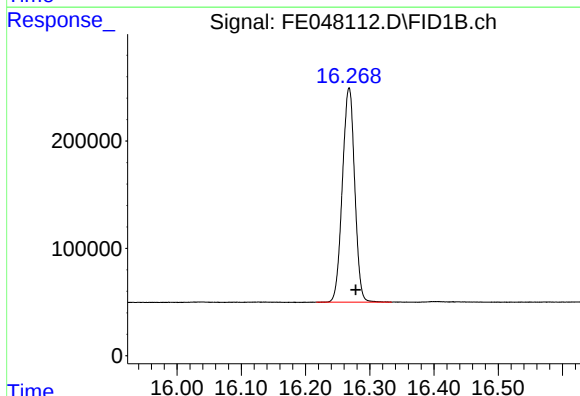
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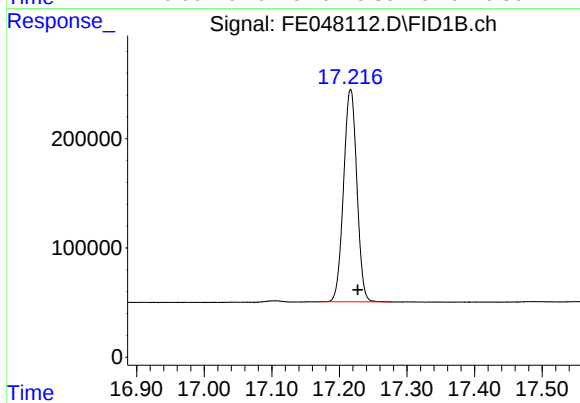
#14 n-Tetracosane (C24)

R.T.: 15.247 min
Delta R.T.: -0.011 min
Response: 2677384
Conc: 20.11 ug/ml



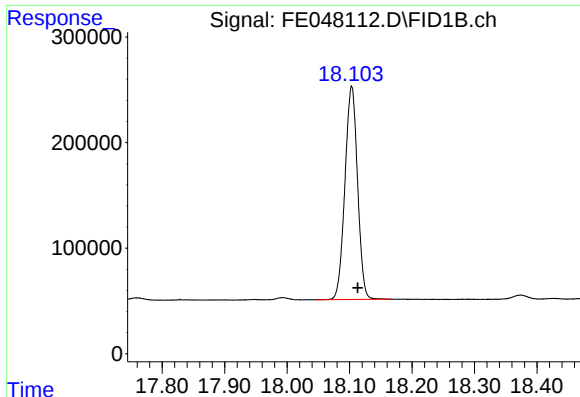
#15 n-Hexacosane (C26)

R.T.: 16.268 min
Delta R.T.: -0.010 min
Response: 2660518
Conc: 19.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.217 min
Delta R.T.: -0.011 min
Response: 2662690
Conc: 20.00 ug/ml



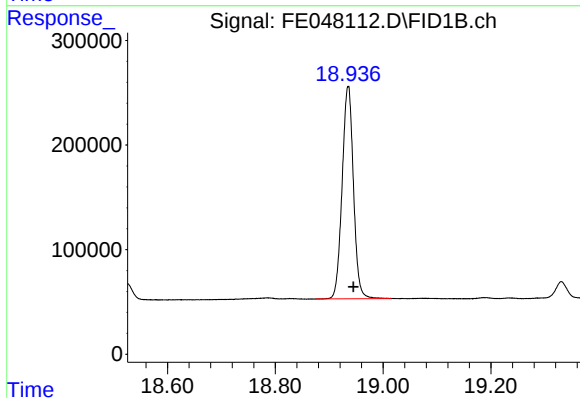
#17 n-Tricontane (C30)

R.T.: 18.103 min
Delta R.T.: -0.010 min
Response: 2835341
Conc: 20.54 ug/ml

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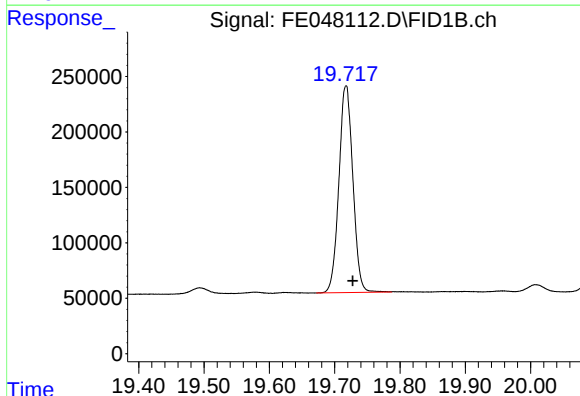
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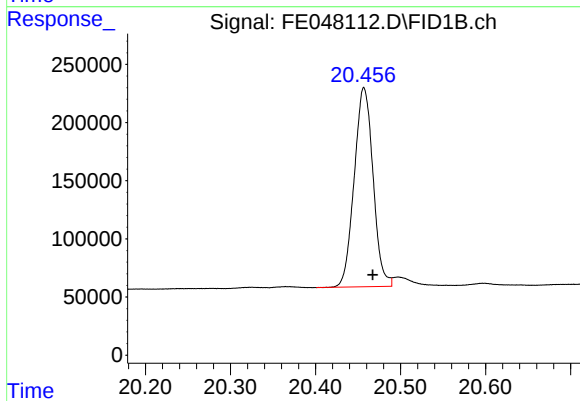
#18 n-Dotriacontane (C32)

R.T.: 18.935 min
Delta R.T.: -0.010 min
Response: 2962371
Conc: 21.45 ug/ml



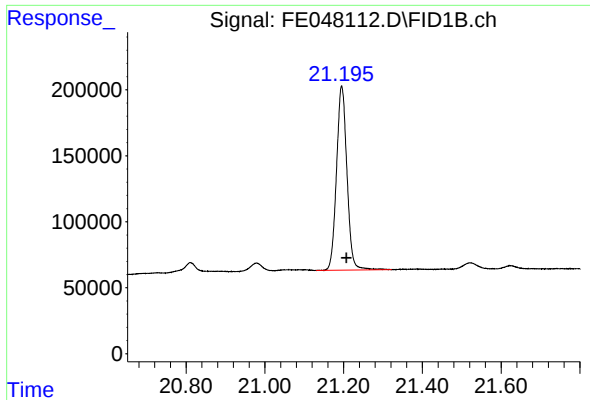
#19 n-Tetratriacontane (C34)

R.T.: 19.717 min
Delta R.T.: -0.011 min
Response: 2772591
Conc: 20.35 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.457 min
Delta R.T.: -0.011 min
Response: 2637032
Conc: 19.48 ug/ml



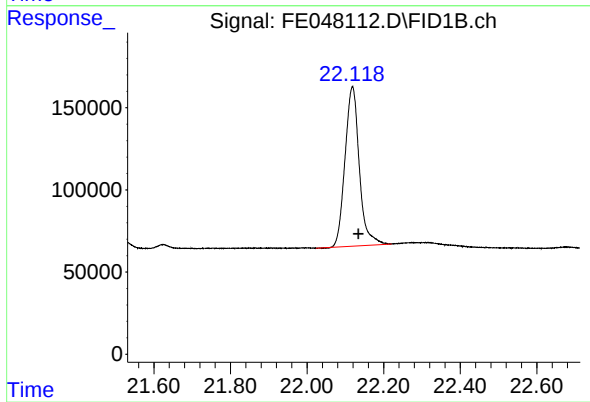
#21 n-Octatriacontane (C38)

R.T.: 21.195 min
Delta R.T.: -0.013 min
Response: 2568071
Conc: 18.60 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.119 min
Delta R.T.: -0.015 min
Response: 2512096
Conc: 18.03 ug/ml