

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110423AL\
 Data File : FE045196.D
 Signal(s) : FID1B.ch
 Acq On : 04 Nov 2023 02:28
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/06/2023

Integration File: autoint1.e
 Quant Time: Nov 04 05:15:38 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110423.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 04 05:09:59 2023
 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)	11.884	1020687	5.346 ug/ml
Spiked Amount 50.000		Recovery =	10.69%
12) S 1-chlorooctadecane (S...	13.327	723364	5.252 ug/ml
Spiked Amount 50.000		Recovery =	10.50%
Target Compounds			
1) T n-Nonane (C9)	3.272	878605	5.318 ug/ml
2) T n-Decane (C10)	4.523	883728	5.270 ug/ml
3) T A~Naphthalene (C11.7)	6.224	919415	5.151 ug/ml
4) T n-Dodecane (C12)	6.689	881844	5.222 ug/ml
5) T A~2-methylnaphthalene...	7.320	870721	5.071 ug/ml
6) T n-Tetradecane (C14)	8.516	872161	5.233 ug/ml
7) T n-Hexadecane (C16)	10.126	885274	5.263 ug/ml
8) T n-Octadecane (C18)	11.570	894312	5.347 ug/ml
10) T n-Eicosane (C20)	12.882	845530	5.338 ug/ml
11) T n-Heneicosane (C21)	13.495	818714	5.325 ug/ml
13) T n-Docosane (C22)	14.082	809705	5.344 ug/ml
14) T n-Tetracosane (C24)	15.187	794202	5.362 ug/ml
15) T n-Hexacosane (C26)	16.211	785791	5.391 ug/ml
16) T n-Octacosane (C28)	17.162	803552	5.499 ug/ml
17) T n-Tricontane (C30)	18.051	854405	5.625 ug/ml
18) T n-Dotriacontane (C32)	18.886	894885	5.728 ug/ml
19) T n-Tetratriacontane (C34)	19.672	866591	5.550 ug/ml
20) T n-Hexatriacontane (C36)	20.413	895327	5.516 ug/ml
21) T n-Octatriacontane (C38)	21.150	911758	5.488 ug/ml
22) T n-Tetracontane (C40)	22.061	923990	5.410 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 36 Sample Multiplier: 1

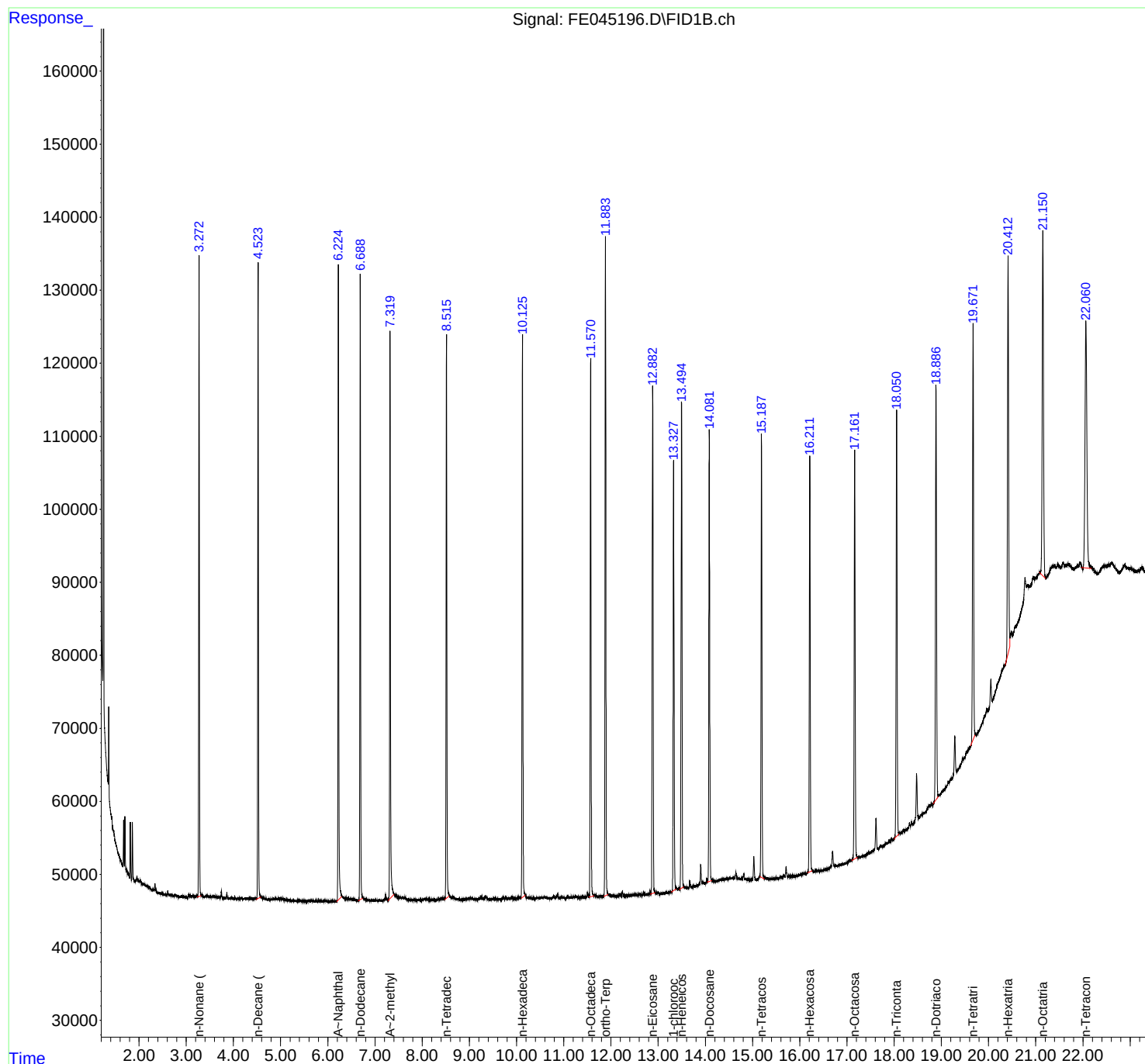
Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

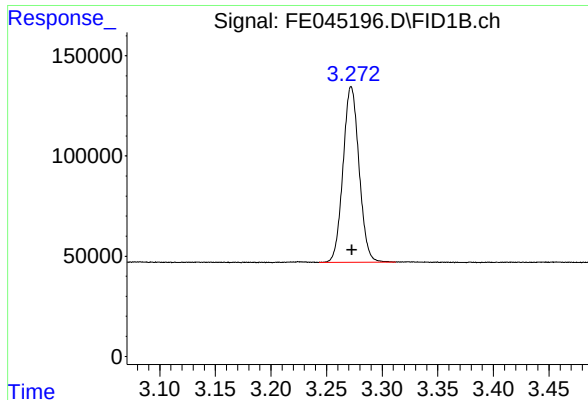
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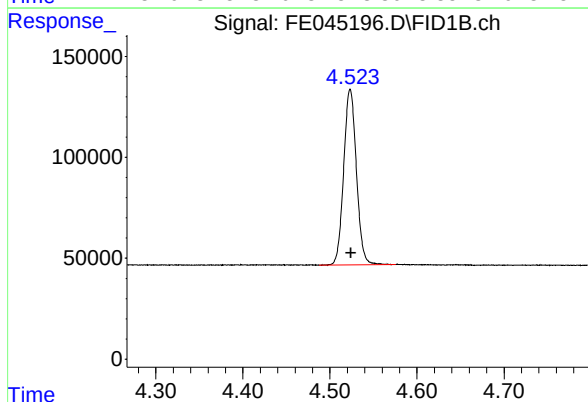
#1 n-Nonane (C9)

R.T.: 3.272 min
Delta R.T.: 0.000 min
Response: 878605
Conc: 5.32 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

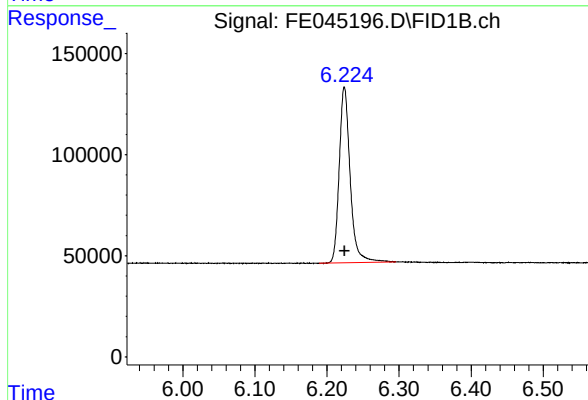
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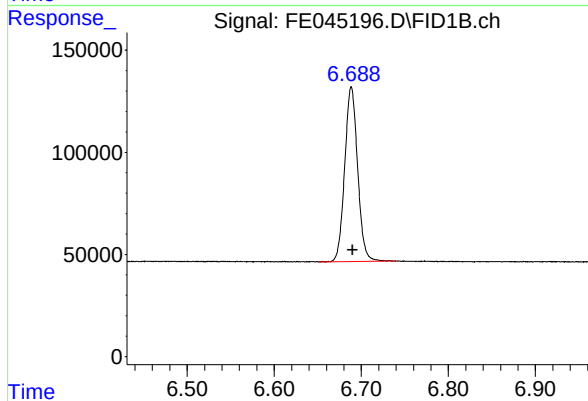
#2 n-Decane (C10)

R.T.: 4.523 min
Delta R.T.: -0.001 min
Response: 883728
Conc: 5.27 ug/ml



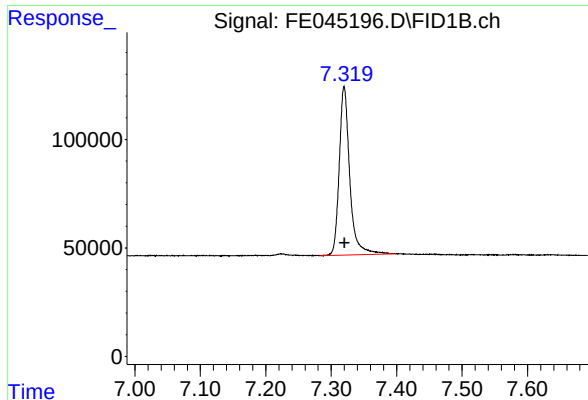
#3 A~Naphthalene (C11.7)

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 919415
Conc: 5.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.689 min
Delta R.T.: -0.002 min
Response: 881844
Conc: 5.22 ug/ml



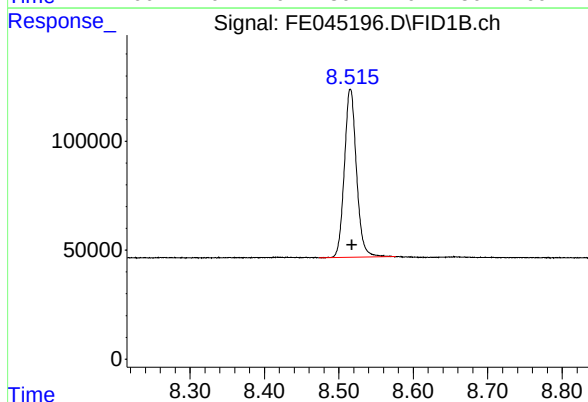
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.320 min
Delta R.T.: 0.000 min
Response: 870721
Conc: 5.07 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

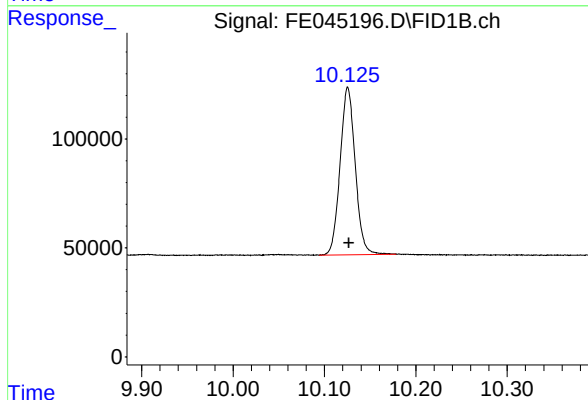
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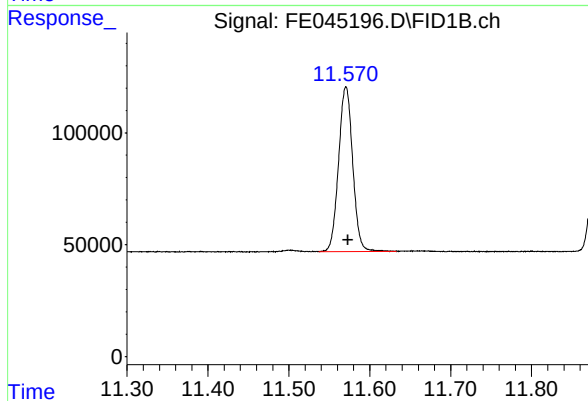
#6 n-Tetradecane (C14)

R.T.: 8.516 min
Delta R.T.: -0.002 min
Response: 872161
Conc: 5.23 ug/ml



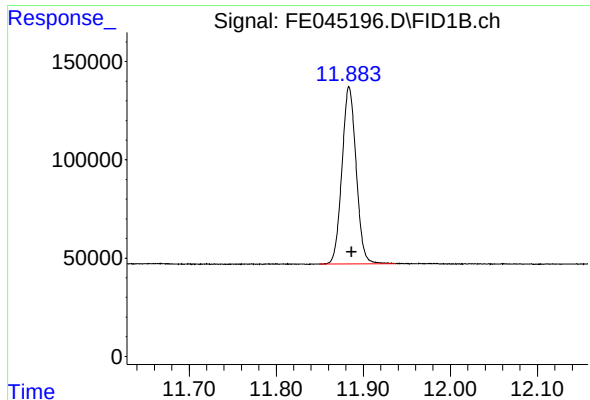
#7 n-Hexadecane (C16)

R.T.: 10.126 min
Delta R.T.: -0.001 min
Response: 885274
Conc: 5.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.570 min
Delta R.T.: -0.003 min
Response: 894312
Conc: 5.35 ug/ml m



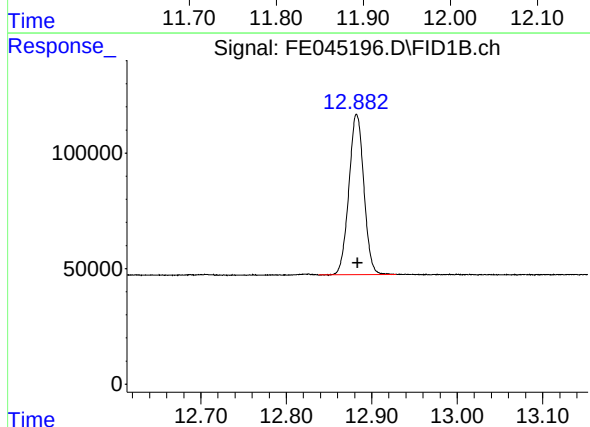
#9 ortho-Terphenyl (SURR)

R.T.: 11.884 min
Delta R.T.: -0.003 min
Response: 1020687
Conc: 5.35 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

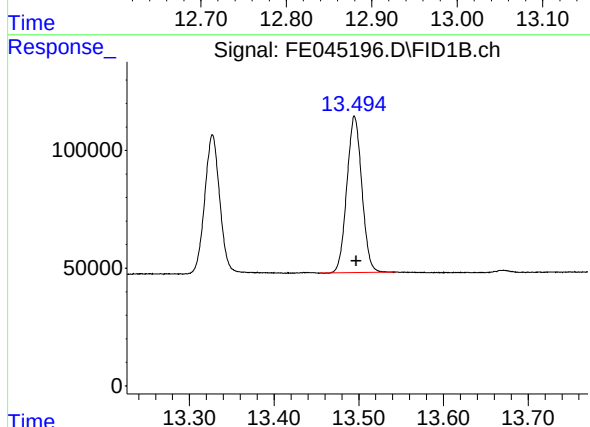
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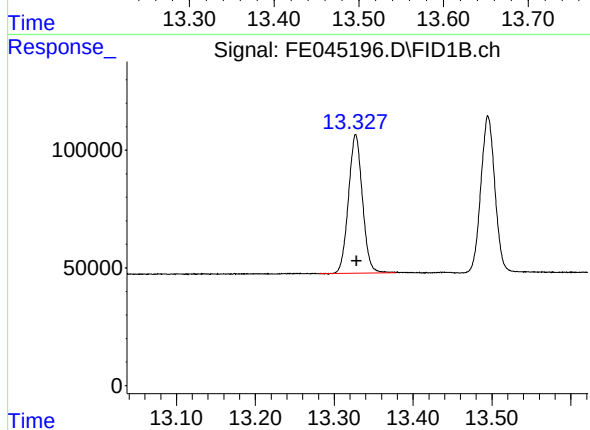
#10 n-Eicosane (C20)

R.T.: 12.882 min
Delta R.T.: -0.001 min
Response: 845530
Conc: 5.34 ug/ml



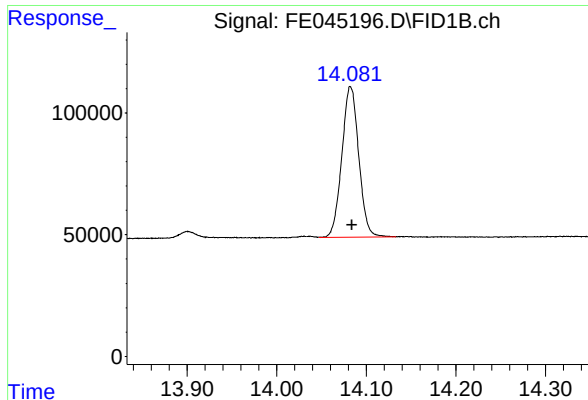
#11 n-Heneicosane (C21)

R.T.: 13.495 min
Delta R.T.: -0.002 min
Response: 818714
Conc: 5.32 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.327 min
Delta R.T.: 0.000 min
Response: 723364
Conc: 5.25 ug/ml



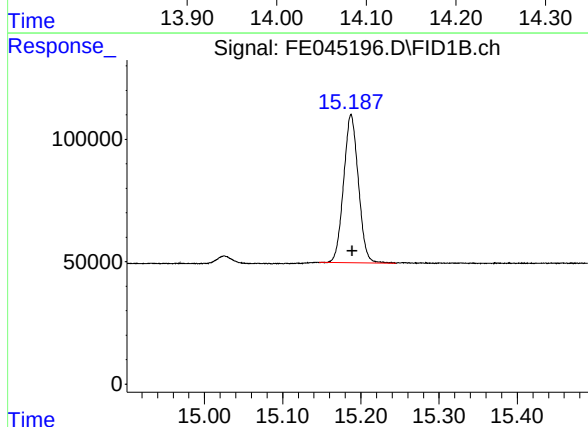
#13 n-Docosane (C22)

R.T.: 14.082 min
Delta R.T.: -0.002 min
Response: 809705
Conc: 5.34 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

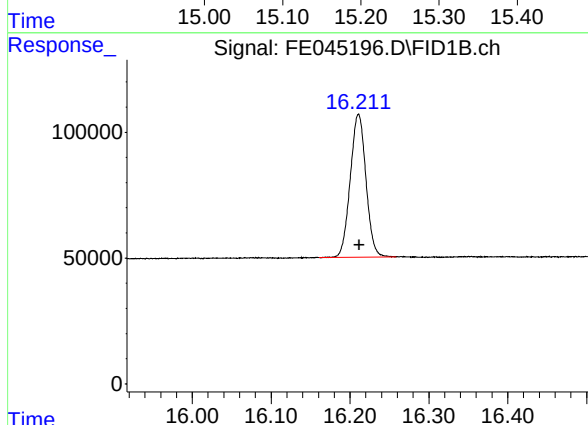
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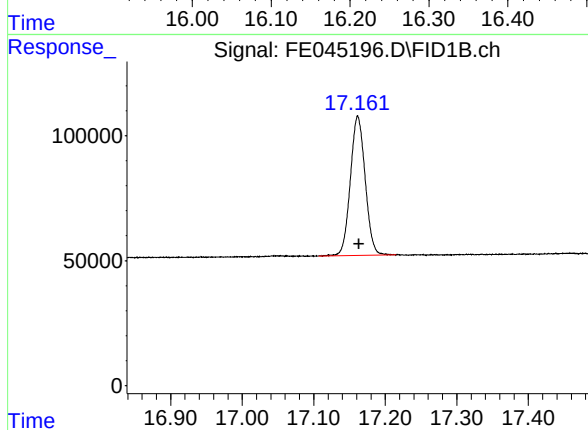
#14 n-Tetracosane (C24)

R.T.: 15.187 min
Delta R.T.: -0.002 min
Response: 794202
Conc: 5.36 ug/ml



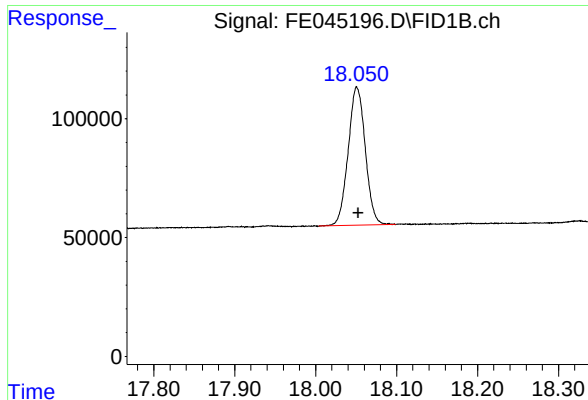
#15 n-Hexacosane (C26)

R.T.: 16.211 min
Delta R.T.: -0.001 min
Response: 785791
Conc: 5.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.162 min
Delta R.T.: -0.002 min
Response: 803552
Conc: 5.50 ug/ml



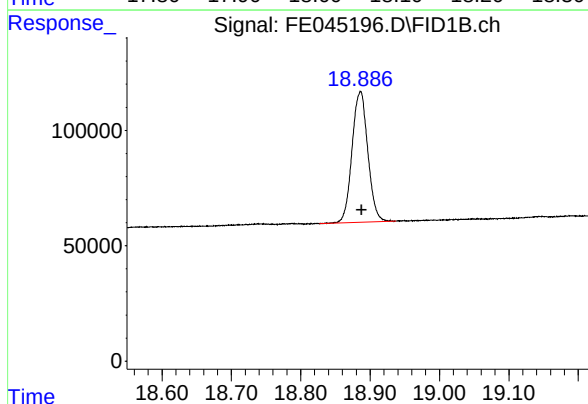
#17 n-Tricontane (C30)

R.T.: 18.051 min
Delta R.T.: -0.002 min
Response: 854405
Conc: 5.62 ug/ml

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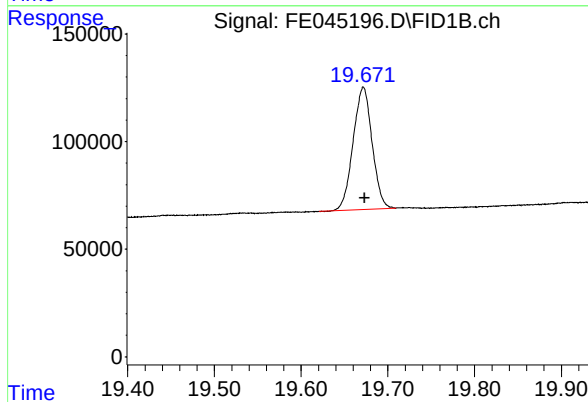
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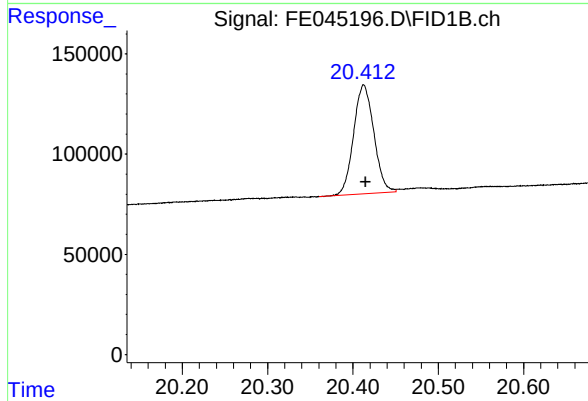
#18 n-Dotriacontane (C32)

R.T.: 18.886 min
Delta R.T.: -0.001 min
Response: 894885
Conc: 5.73 ug/ml



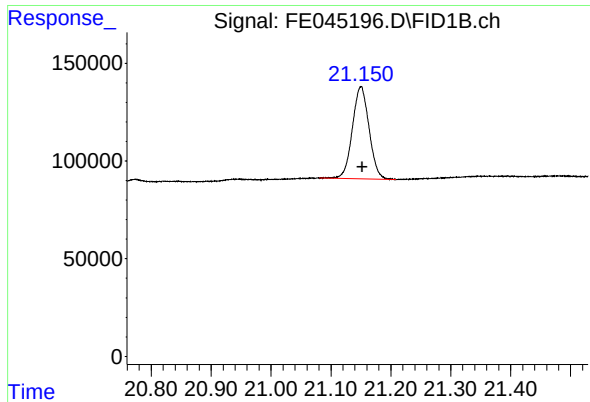
#19 n-Tetatriacontane (C34)

R.T.: 19.672 min
Delta R.T.: -0.001 min
Response: 866591
Conc: 5.55 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.413 min
Delta R.T.: -0.002 min
Response: 895327
Conc: 5.52 ug/ml



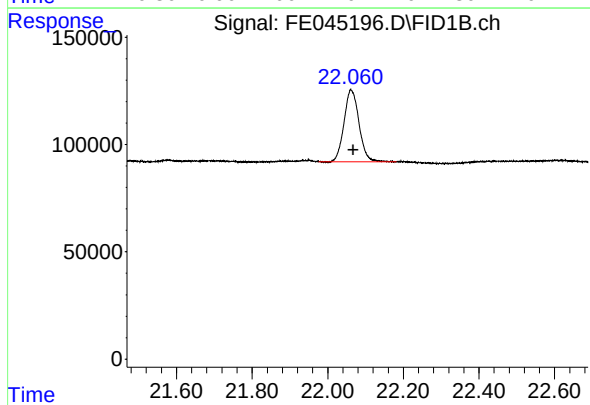
#21 n-Octatriacontane (C38)

R.T.: 21.150 min
Delta R.T.: -0.002 min
Response: 911758
Conc: 5.49 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.061 min
Delta R.T.: -0.007 min
Response: 923990
Conc: 5.41 ug/ml