

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052325AL\
 Data File : FD049405.D
 Signal(s) : FID2B.ch
 Acq On : 23 May 2025 22:59
 Operator : YP/AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: May 27 05:20:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 052325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 05:19:30 2025
 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)	11.653	9697182	46.311 ug/ml
Spiked Amount 50.000		Recovery =	92.62%
12) S 1-chlorooctadecane (S...	13.081	7481015	46.494 ug/ml
Spiked Amount 50.000		Recovery =	92.99%
Target Compounds			
1) T n-Nonane (C9)	3.417	5736902	46.364 ug/ml
2) T n-Decane (C10)	4.487	5872167	46.293 ug/ml
3) T A~Naphthalene (C11.7)	6.073	7076619	46.142 ug/ml
4) T n-Dodecane (C12)	6.503	6264159	46.497 ug/ml
5) T A~2-methylnaphthalene...	7.128	7272165	46.225 ug/ml
6) T n-Tetradecane (C14)	8.294	6690108	46.682 ug/ml
7) T n-Hexadecane (C16)	9.891	7317919	46.592 ug/ml
8) T n-Octadecane (C18)	11.331	7814610	46.444 ug/ml
10) T n-Eicosane (C20)	12.636	7980518	46.373 ug/ml
11) T n-Heneicosane (C21)	13.247	7979193	46.373 ug/ml
13) T n-Docosane (C22)	13.832	7922195	46.411 ug/ml
14) T n-Tetracosane (C24)	14.931	7716039	46.345 ug/ml
15) T n-Hexacosane (C26)	15.949	7381197	46.326 ug/ml
16) T n-Octacosane (C28)	16.895	7031234	46.058 ug/ml
17) T n-Tricontane (C30)	17.781	6879135	45.370 ug/ml
18) T n-Dotriacontane (C32)	18.611	6694974	45.148 ug/ml
19) T n-Tetratriacontane (C34)	19.391	6352432	45.492 ug/ml
20) T n-Hexatriacontane (C36)	20.129	6205191	46.134 ug/ml
21) T n-Octatriacontane (C38)	20.867	5988938	46.384 ug/ml
22) T n-Tetracontane (C40)	21.786	5836380	46.647 ug/ml

(f)=RT Delta > 1/2 Window

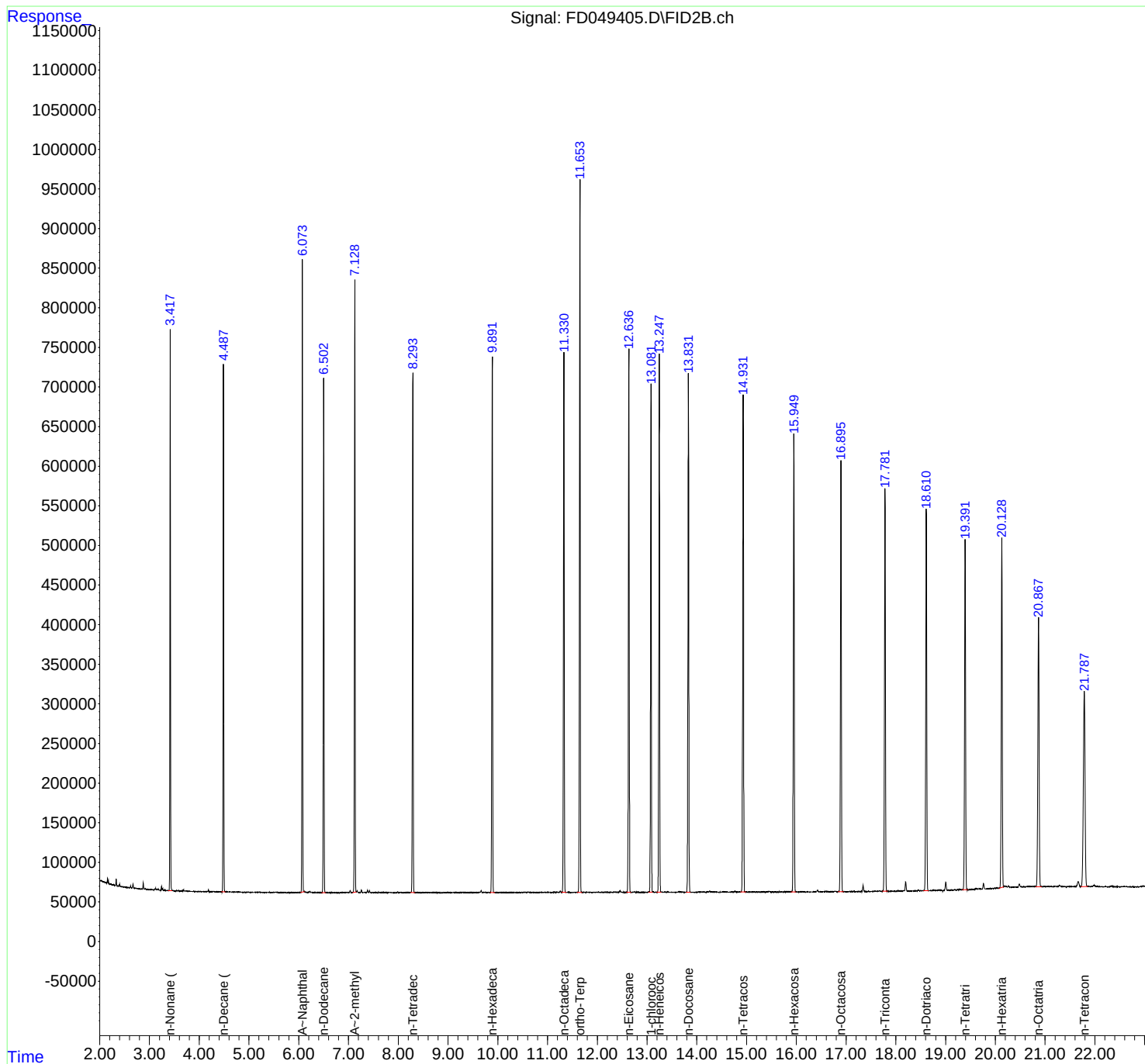
(m)=manual int.

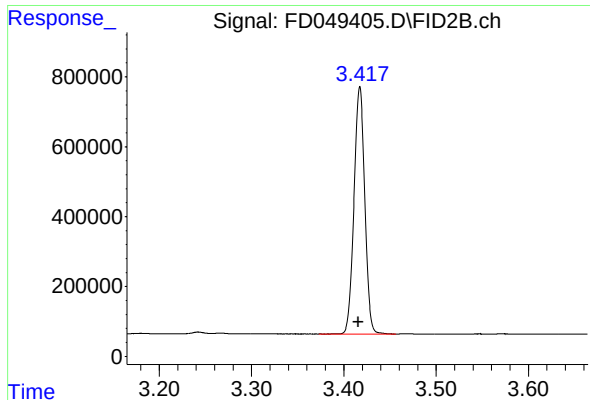
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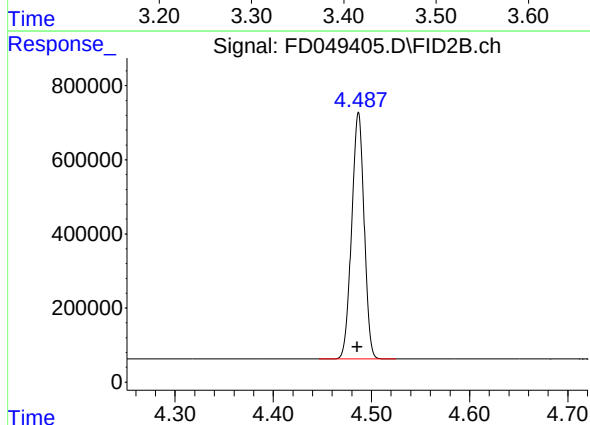




#1 n-Nonane (C9)

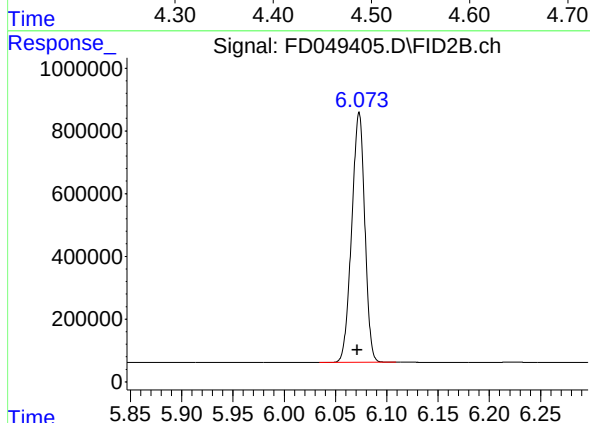
R.T.: 3.417 min
Delta R.T.: 0.001 min
Response: 5736902
Conc: 46.36 ug/ml

Instrument :
FID_D
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50 PPM ALIPHATIC HC STD2



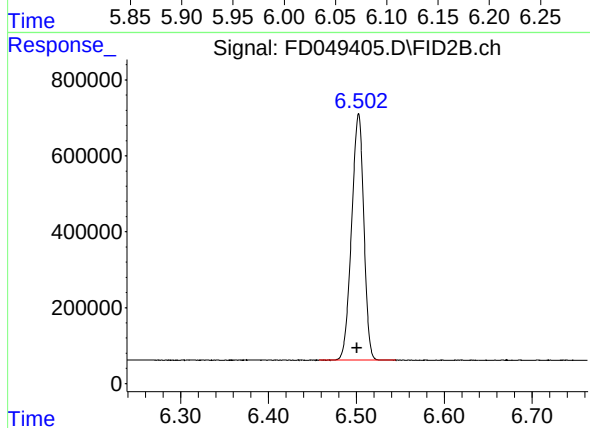
#2 n-Decane (C10)

R.T.: 4.487 min
Delta R.T.: 0.002 min
Response: 5872167
Conc: 46.29 ug/ml



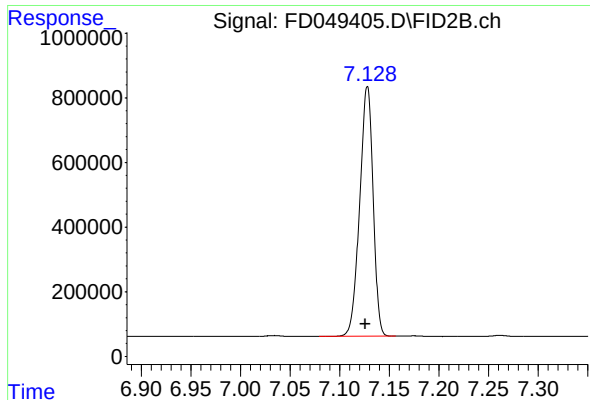
#3 A~Naphthalene (C11.7)

R.T.: 6.073 min
Delta R.T.: 0.002 min
Response: 7076619
Conc: 46.14 ug/ml



#4 n-Dodecane (C12)

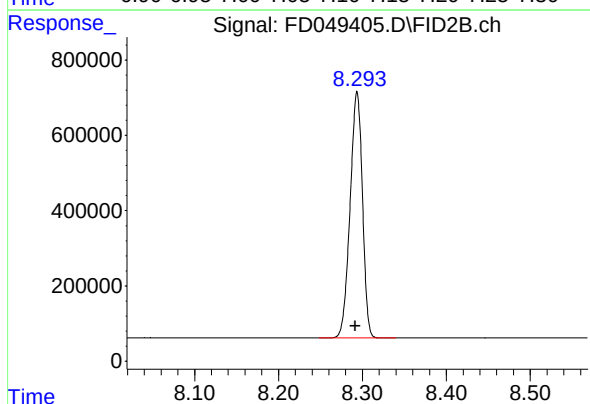
R.T.: 6.503 min
Delta R.T.: 0.002 min
Response: 6264159
Conc: 46.50 ug/ml



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

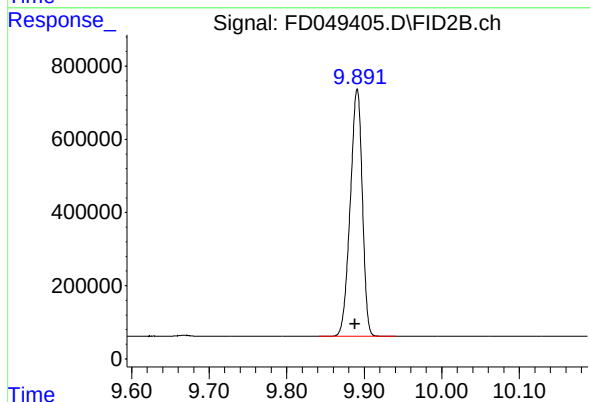
R.T.: 7.128 min
Delta R.T.: 0.002 min
Response: 7272165
Conc: 46.23 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



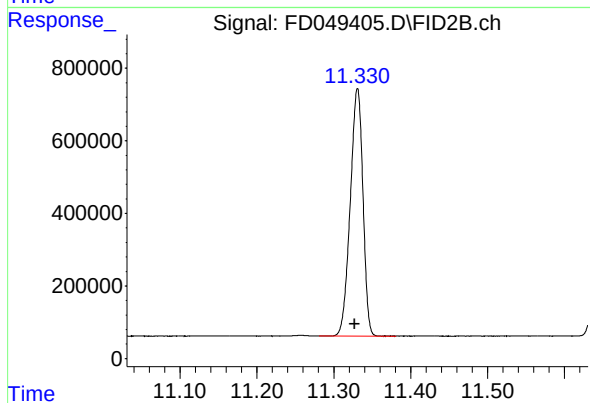
#6 n-Tetradecane (C14)

R.T.: 8.294 min
Delta R.T.: 0.002 min
Response: 6690108
Conc: 46.68 ug/ml



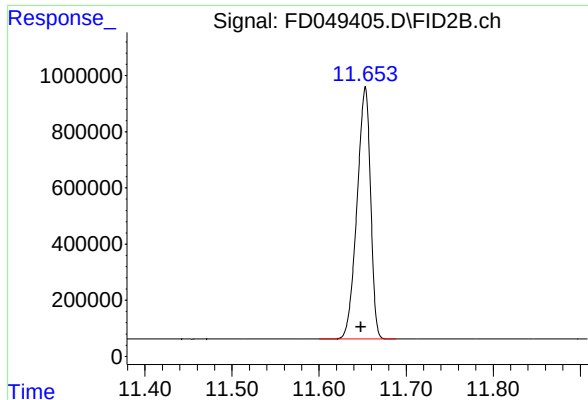
#7 n-Hexadecane (C16)

R.T.: 9.891 min
Delta R.T.: 0.003 min
Response: 7317919
Conc: 46.59 ug/ml



#8 n-Octadecane (C18)

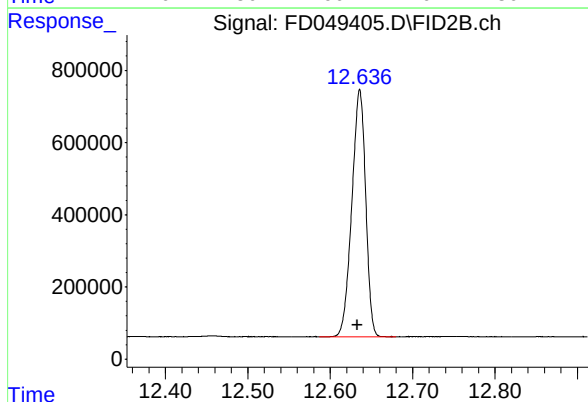
R.T.: 11.331 min
Delta R.T.: 0.004 min
Response: 7814610
Conc: 46.44 ug/ml



#9 ortho-Terphenyl (SURR)

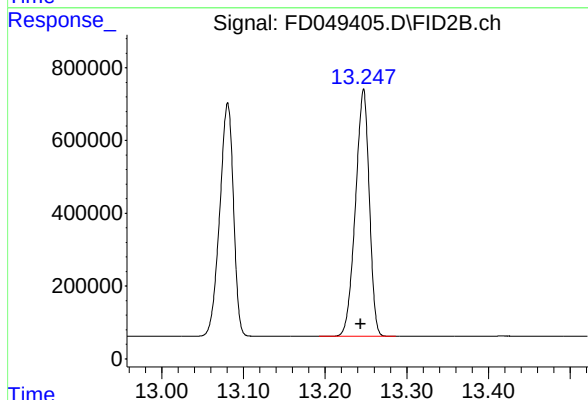
R.T.: 11.653 min
Delta R.T.: 0.005 min
Response: 9697182
Conc: 46.31 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



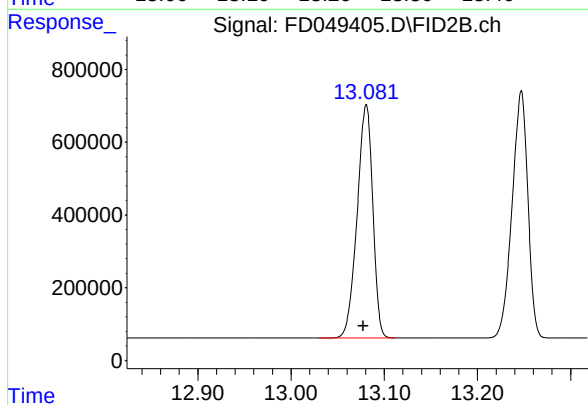
#10 n-Eicosane (C20)

R.T.: 12.636 min
Delta R.T.: 0.003 min
Response: 7980518
Conc: 46.37 ug/ml



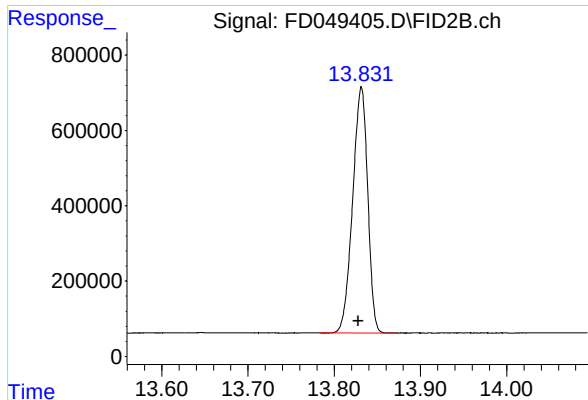
#11 n-Heneicosane (C21)

R.T.: 13.247 min
Delta R.T.: 0.004 min
Response: 7979193
Conc: 46.37 ug/ml



#12 1-chlorooctadecane (SURR)

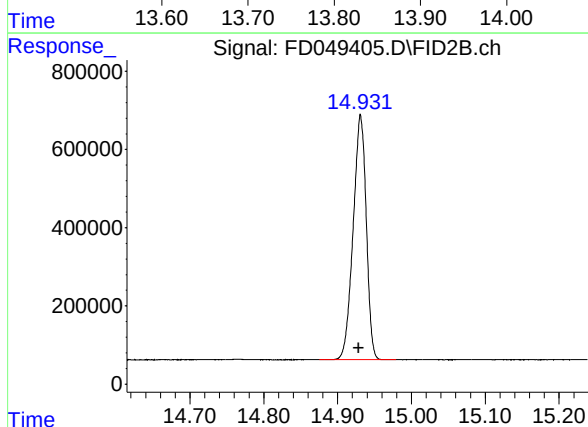
R.T.: 13.081 min
Delta R.T.: 0.003 min
Response: 7481015
Conc: 46.49 ug/ml



#13 n-Docosane (C22)

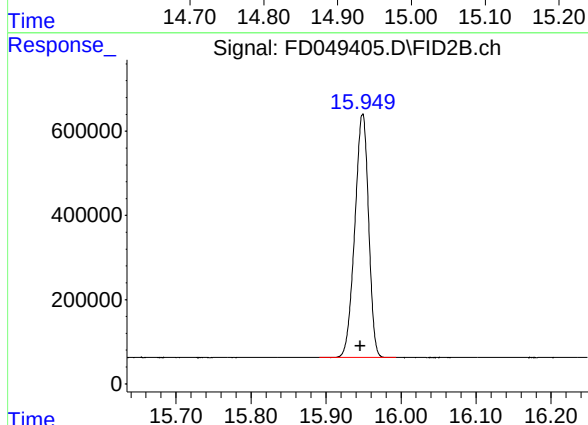
R.T.: 13.832 min
Delta R.T.: 0.003 min
Response: 7922195
Conc: 46.41 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



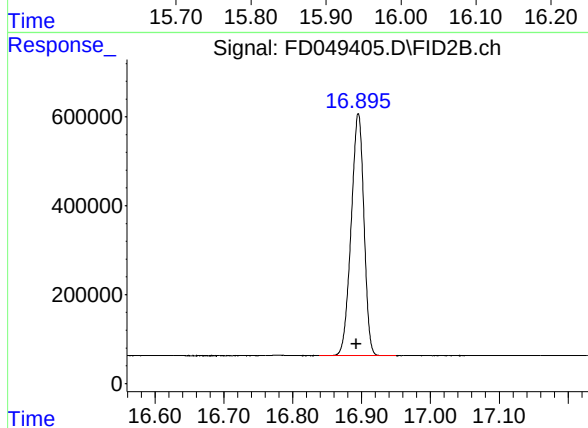
#14 n-Tetracosane (C24)

R.T.: 14.931 min
Delta R.T.: 0.003 min
Response: 7716039
Conc: 46.35 ug/ml



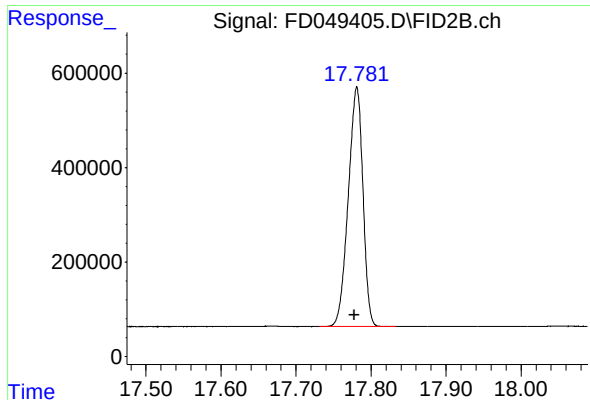
#15 n-Hexacosane (C26)

R.T.: 15.949 min
Delta R.T.: 0.003 min
Response: 7381197
Conc: 46.33 ug/ml



#16 n-Octacosane (C28)

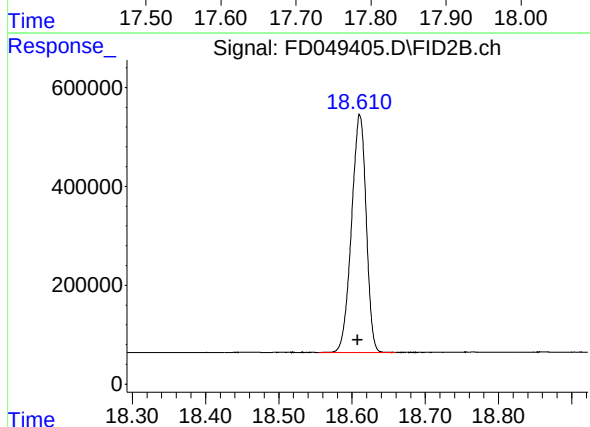
R.T.: 16.895 min
Delta R.T.: 0.003 min
Response: 7031234
Conc: 46.06 ug/ml



#17 n-Tricontane (C30)

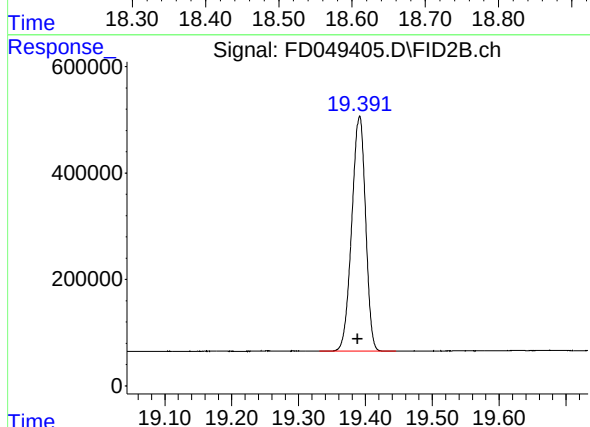
R.T.: 17.781 min
Delta R.T.: 0.004 min
Response: 6879135
Conc: 45.37 ug/ml

Instrument :
FID_D
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50 PPM ALIPHATIC HC STD2



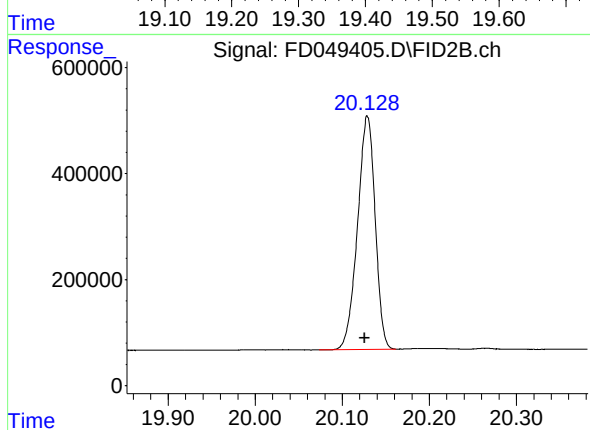
#18 n-Dotriacontane (C32)

R.T.: 18.611 min
Delta R.T.: 0.003 min
Response: 6694974
Conc: 45.15 ug/ml



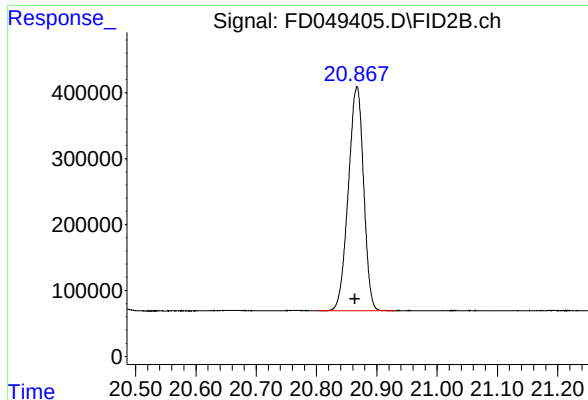
#19 n-Tetatriacontane (C34)

R.T.: 19.391 min
Delta R.T.: 0.003 min
Response: 6352432
Conc: 45.49 ug/ml



#20 n-Hexatriacontane (C36)

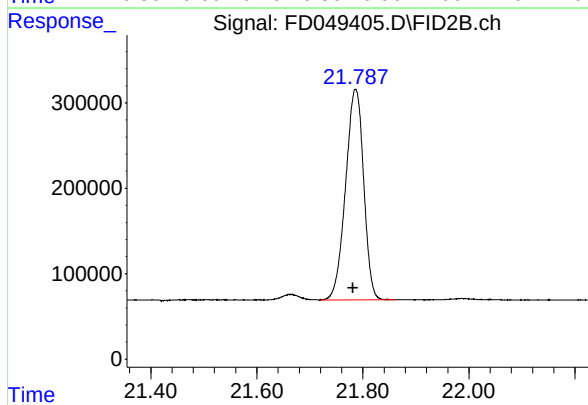
R.T.: 20.129 min
Delta R.T.: 0.003 min
Response: 6205191
Conc: 46.13 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.867 min
Delta R.T.: 0.004 min
Response: 5988938
Conc: 46.38 ug/ml

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FID_D
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#22 n-Tetracontane (C40)

R.T.: 21.786 min
Delta R.T.: 0.005 min
Response: 5836380
Conc: 46.65 ug/ml