

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF041825AL\
 Data File : FF015780.D
 Signal(s) : FID2B.ch
 Acq On : 17 Apr 2025 17:54
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/21/2025
 Supervised By :mohammad ahmed 04/22/2025

Integration File: autoint1.e
 Quant Time: Apr 21 02:51:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 041825.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 21 02:48:00 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)	11.938	656353	4.521 ug/ml
Spiked Amount 50.000		Recovery =	9.04%
12) S 1-chlorooctadecane (S...	13.372	444730	4.182 ug/ml
Spiked Amount 50.000		Recovery =	8.36%
Target Compounds			
1) T n-Nonane (C9)	3.308	480018	4.322 ug/ml
2) T n-Decane (C10)	4.566	472359	4.225 ug/ml
3) T A~Naphthalene (C11.7)	6.305	434477	3.905 ug/mlm
4) T n-Dodecane (C12)	6.733	489460	4.290 ug/ml
5) T A~2-methylnaphthalene...	7.461	372469	3.650 ug/mlm
6) T n-Tetradecane (C14)	8.562	478693	4.230 ug/ml
7) T n-Hexadecane (C16)	10.170	465314	4.107 ug/ml
8) T n-Octadecane (C18)	11.611	484047	4.196 ug/ml
10) T n-Eicosane (C20)	12.920	515908	4.450 ug/ml
11) T n-Heneicosane (C21)	13.531	522513	4.502 ug/ml
13) T n-Docosane (C22)	14.119	520440	4.490 ug/ml
14) T n-Tetracosane (C24)	15.223	555460	4.737 ug/ml
15) T n-Hexacosane (C26)	16.244	519362	4.560 ug/ml
16) T n-Octacosane (C28)	17.195	525861	4.696 ug/ml
17) T n-Tricontane (C30)	18.083	550137	4.907 ug/ml
18) T n-Dotriacontane (C32)	18.916	606395	5.041 ug/ml
19) T n-Tetratriacontane (C34)	19.700	531306	5.014 ug/ml
20) T n-Hexatriacontane (C36)	20.440	447863	4.236 ug/ml
21) T n-Octatriacontane (C38)	21.176	445146	4.501 ug/ml
22) T n-Tetracontane (C40)	22.090	417555	4.245 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Data File : FF015780.D
Signal(s) : FID2B.ch
Acq On : 17 Apr 2025 17:54
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

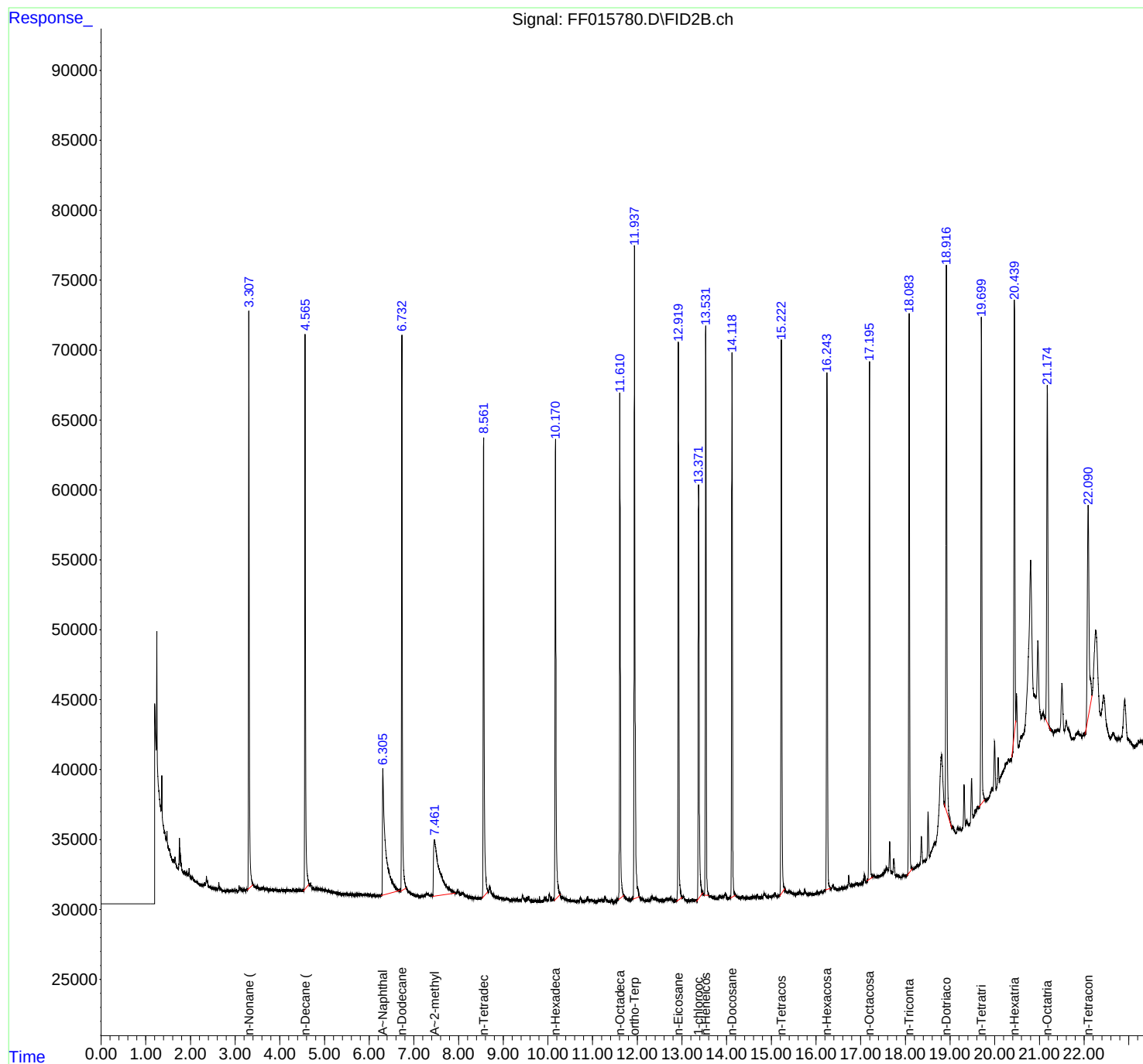
Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

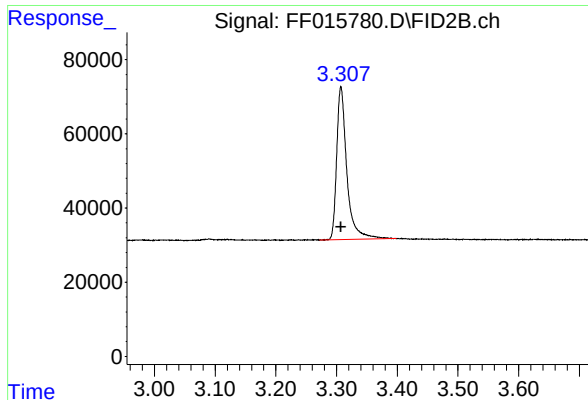
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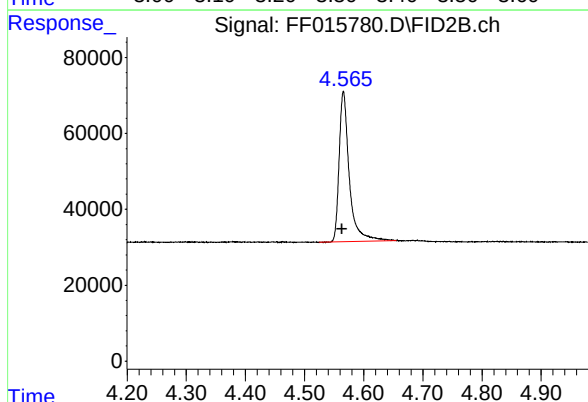
#1 n-Nonane (C9)

R.T.: 3.308 min
Delta R.T.: 0.000 min
Response: 480018
Conc: 4.32 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

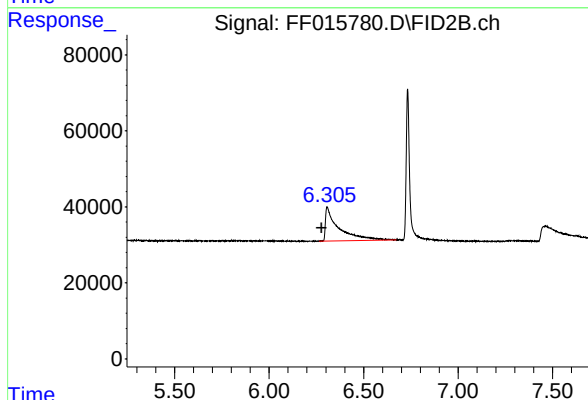
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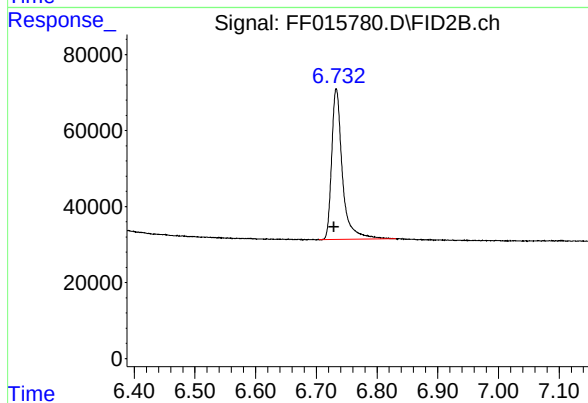
#2 n-Decane (C10)

R.T.: 4.566 min
Delta R.T.: 0.003 min
Response: 472359
Conc: 4.22 ug/ml



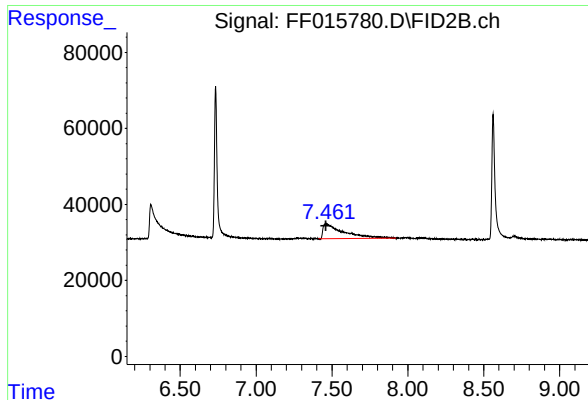
#3 A~Naphthalene (C11.7)

R.T.: 6.305 min
Delta R.T.: 0.027 min
Response: 434477
Conc: 3.91 ug/ml m



#4 n-Dodecane (C12)

R.T.: 6.733 min
Delta R.T.: 0.004 min
Response: 489460
Conc: 4.29 ug/ml



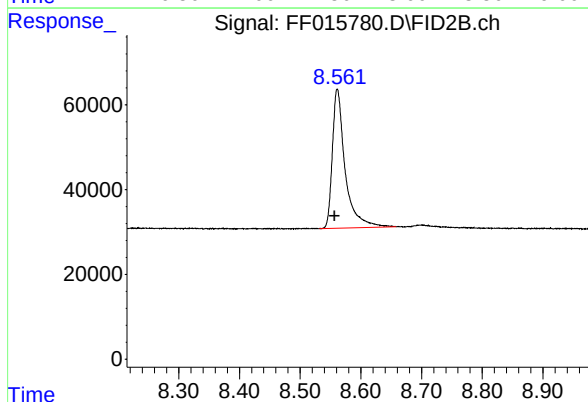
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 372469
Conc: 3.65 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

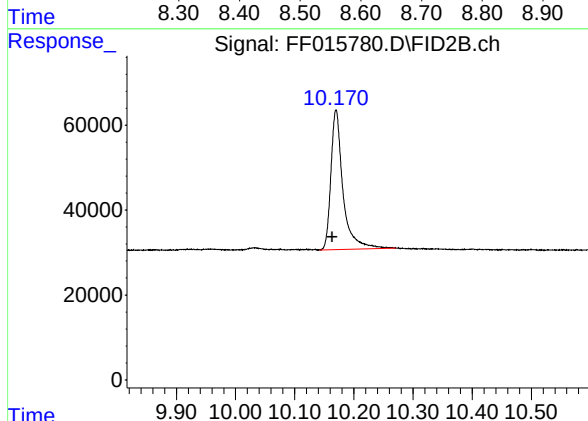
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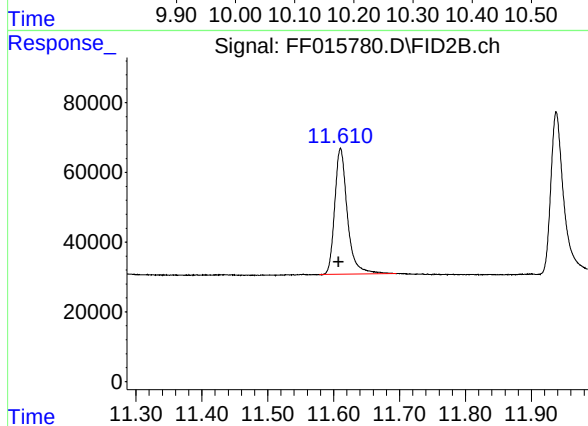
#6 n-Tetradecane (C14)

R.T.: 8.562 min
Delta R.T.: 0.005 min
Response: 478693
Conc: 4.23 ug/ml



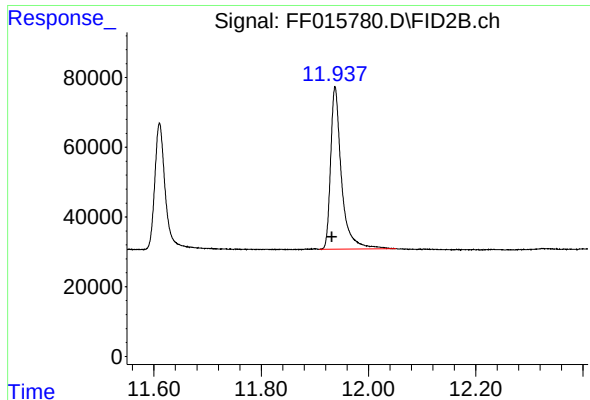
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: 0.006 min
Response: 465314
Conc: 4.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.611 min
Delta R.T.: 0.003 min
Response: 484047
Conc: 4.20 ug/ml



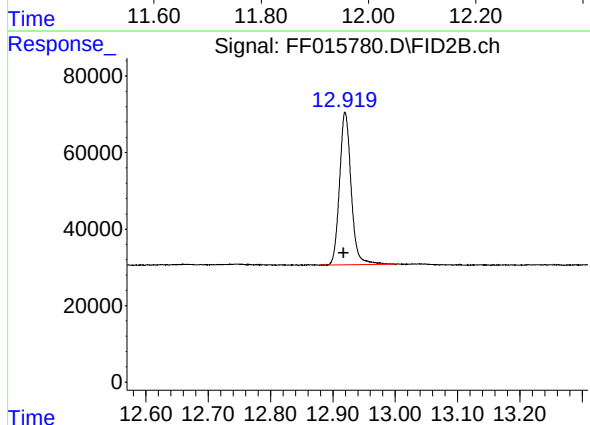
#9 ortho-Terphenyl (SURR)

R.T.: 11.938 min
Delta R.T.: 0.006 min
Response: 656353
Conc: 4.52 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

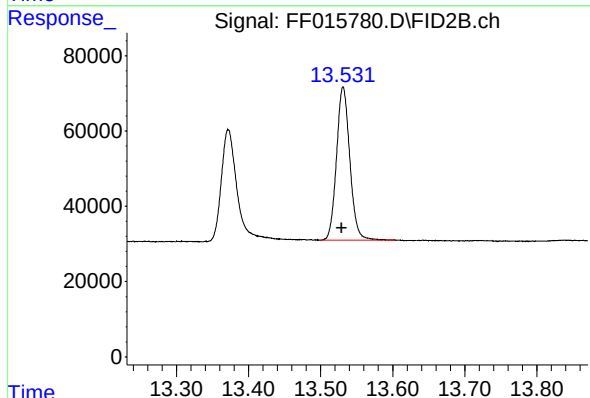
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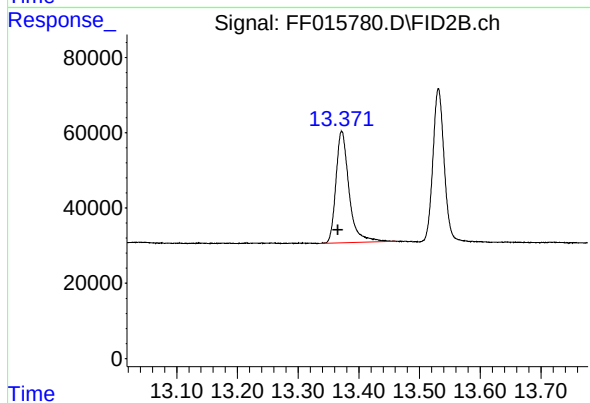
#10 n-Eicosane (C20)

R.T.: 12.920 min
Delta R.T.: 0.002 min
Response: 515908
Conc: 4.45 ug/ml



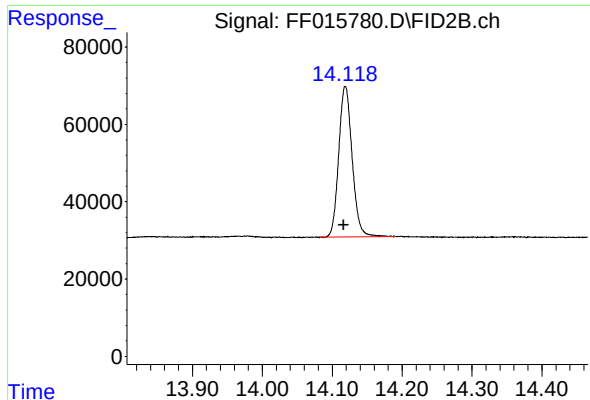
#11 n-Heneicosane (C21)

R.T.: 13.531 min
Delta R.T.: 0.002 min
Response: 522513
Conc: 4.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.372 min
Delta R.T.: 0.007 min
Response: 444730
Conc: 4.18 ug/ml



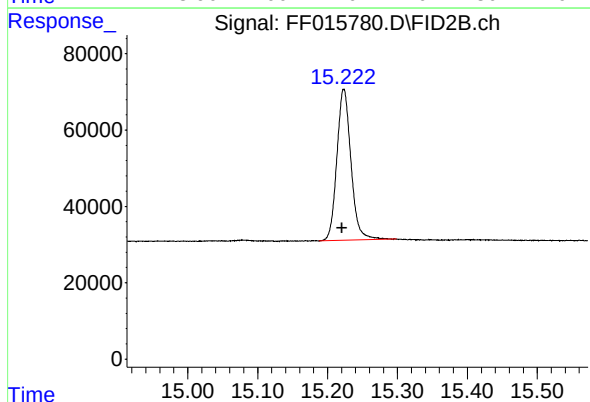
#13 n-Docosane (C22)

R.T.: 14.119 min
Delta R.T.: 0.002 min
Response: 520440
Conc: 4.49 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

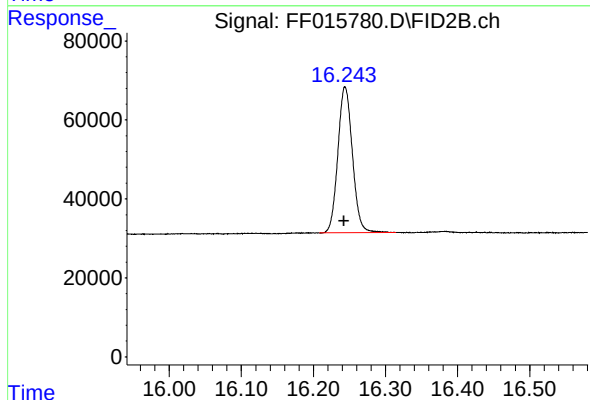
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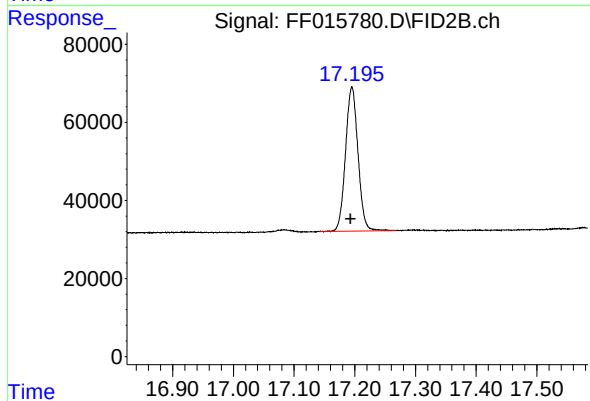
#14 n-Tetracosane (C24)

R.T.: 15.223 min
Delta R.T.: 0.002 min
Response: 555460
Conc: 4.74 ug/ml



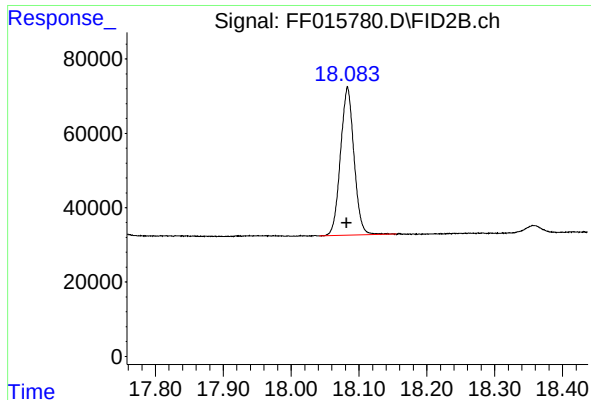
#15 n-Hexacosane (C26)

R.T.: 16.244 min
Delta R.T.: 0.002 min
Response: 519362
Conc: 4.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.195 min
Delta R.T.: 0.002 min
Response: 525861
Conc: 4.70 ug/ml



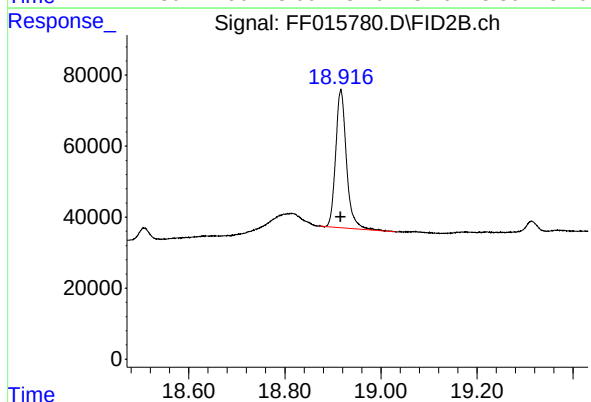
#17 n-Tricontane (C30)

R.T.: 18.083 min
Delta R.T.: 0.001 min
Response: 550137
Conc: 4.91 ug/ml

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FID_F
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5 PPM ALIPHATIC HC STD5

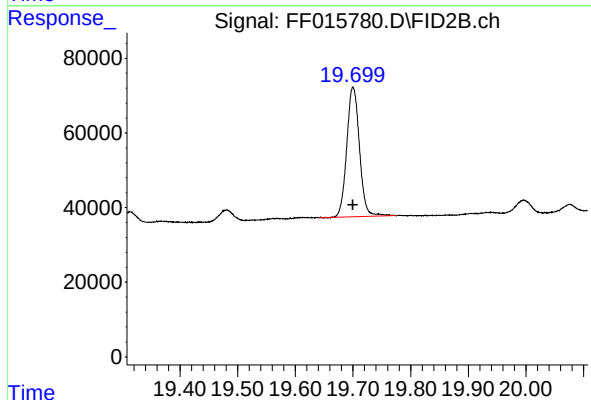
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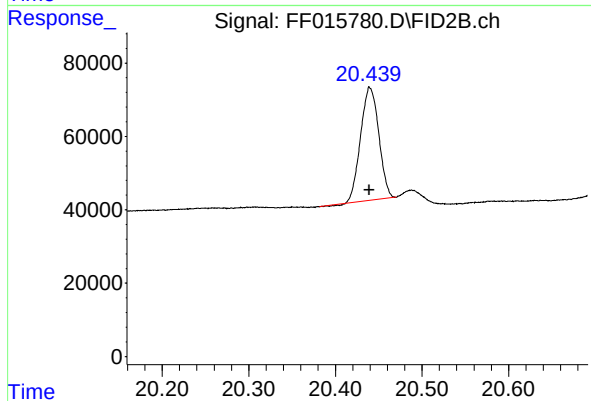
#18 n-Dotriacontane (C32)

R.T.: 18.916 min
Delta R.T.: 0.000 min
Response: 606395
Conc: 5.04 ug/ml



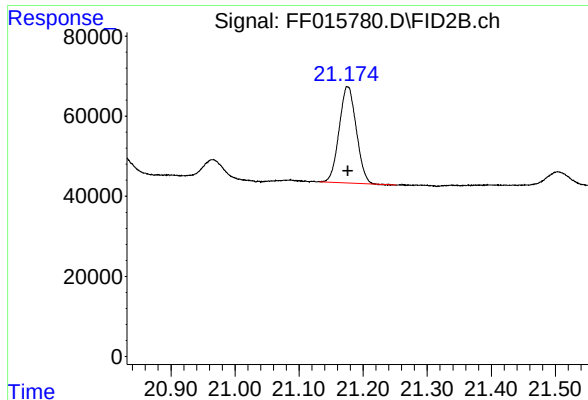
#19 n-Tetratriacontane (C34)

R.T.: 19.700 min
Delta R.T.: 0.000 min
Response: 531306
Conc: 5.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.440 min
Delta R.T.: 0.000 min
Response: 447863
Conc: 4.24 ug/ml



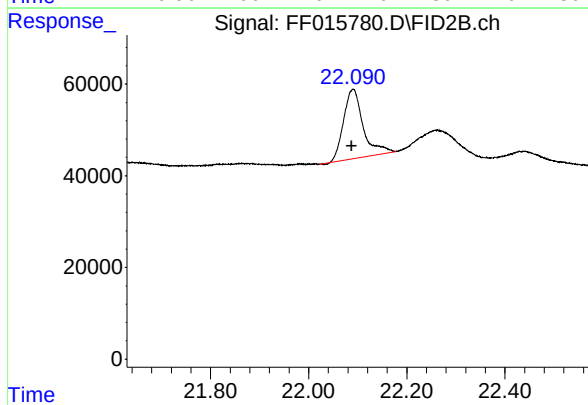
#21 n-Octatriacontane (C38)

R.T.: 21.176 min
Delta R.T.: 0.000 min
Response: 445146
Conc: 4.50 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.090 min
Delta R.T.: 0.003 min
Response: 417555
Conc: 4.24 ug/ml