

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012925AL\
 Data File : FD049006.D
 Signal(s) : FID2B.ch
 Acq On : 30 Jan 2025 03:03
 Operator : YP/AJ
 Sample : Q1168-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 05:05:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 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			
12) S 1-chlorooctadecane (S...	12.684	5957225	40.585 ug/ml
Spiked Amount 50.000		Recovery =	81.17%
Target Compounds			
1) T n-Nonane (C9)	3.113	217849	1.362 ug/ml
2) T n-Decane (C10)	4.158	245362	1.505 ug/ml
4) T n-Dodecane (C12)	6.149	317540	1.917 ug/mlm
6) T n-Tetradecane (C14)	7.931	314170	1.900 ug/ml
7) T n-Hexadecane (C16)	9.518	308093	1.787 ug/ml
8) T n-Octadecane (C18)	10.947	343661	1.949 ug/ml
10) T n-Eicosane (C20)	12.246	371110	2.156 ug/ml
11) T n-Heneicosane (C21)	12.853	347966	2.043 ug/ml
13) T n-Docosane (C22)	13.435	376211	2.212 ug/mlm
14) T n-Tetracosane (C24)	14.534	382359	2.244 ug/ml
15) T n-Hexacosane (C26)	15.549	390085	2.329 ug/ml
16) T n-Octacosane (C28)	16.493	416608	2.504 ug/ml
17) T n-Tricontane (C30)	17.375	464575	2.706 ug/ml
18) T n-Dotriacontane (C32)	18.203	468444	2.865 ug/ml
19) T n-Tetratriacontane (C34)	18.983	409485	2.939 ug/ml
20) T n-Hexatriacontane (C36)	19.720	335924	2.921 ug/ml
21) T n-Octatriacontane (C38)	20.419	289069	2.790 ug/ml
22) T n-Tetracontane (C40)	21.205	228018	2.379 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 12 Sample Multiplier: 1

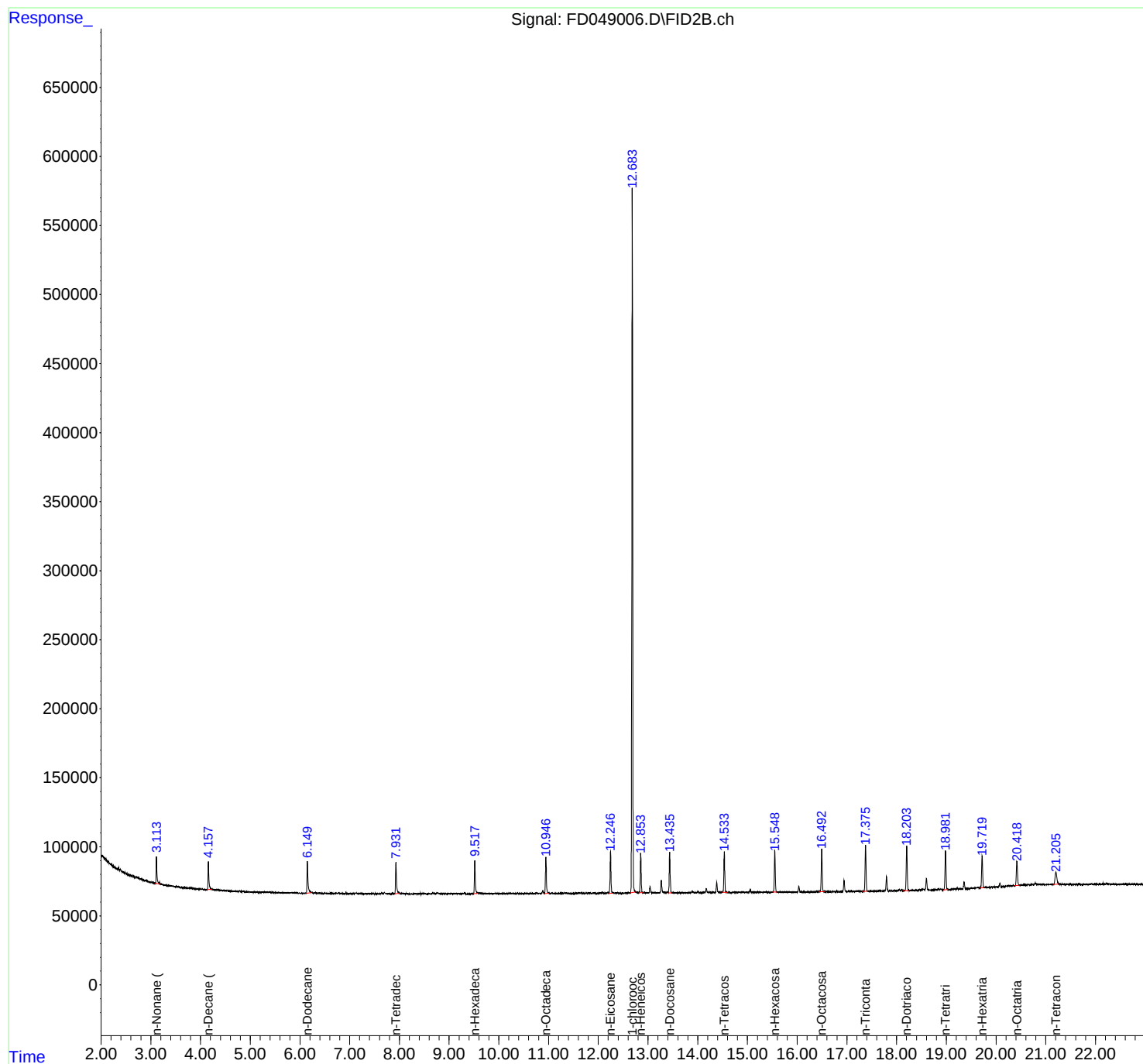
Instrument :
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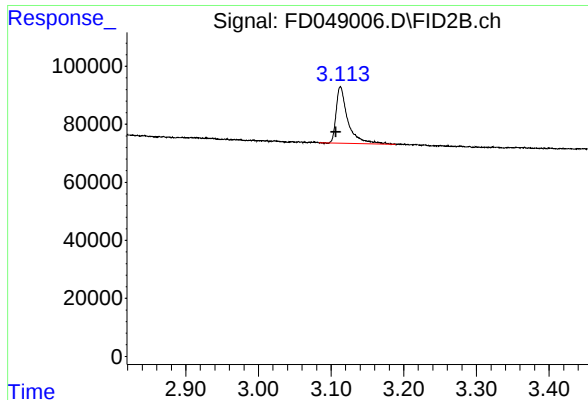
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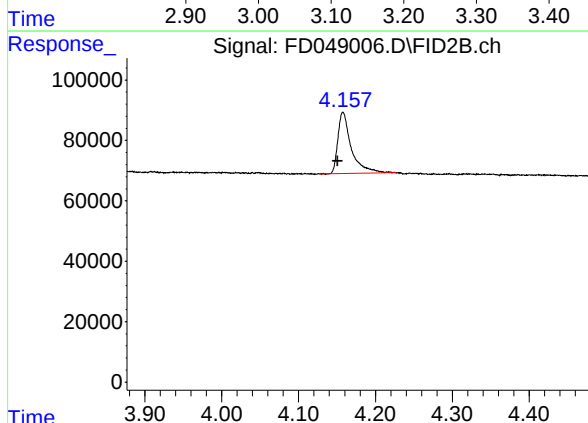
#1 n-Nonane (C9)

R.T.: 3.113 min
Delta R.T.: 0.006 min
Response: 217849
Conc: 1.36 ug/ml

Instrument :
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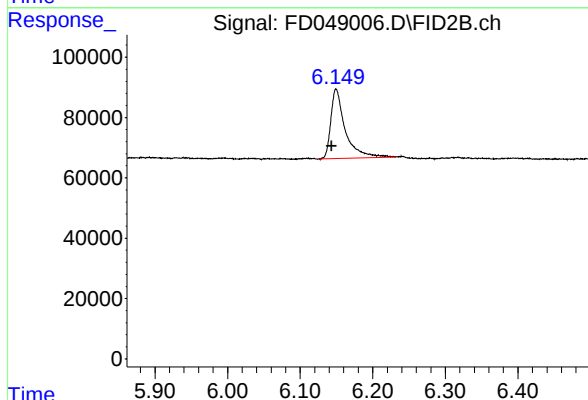
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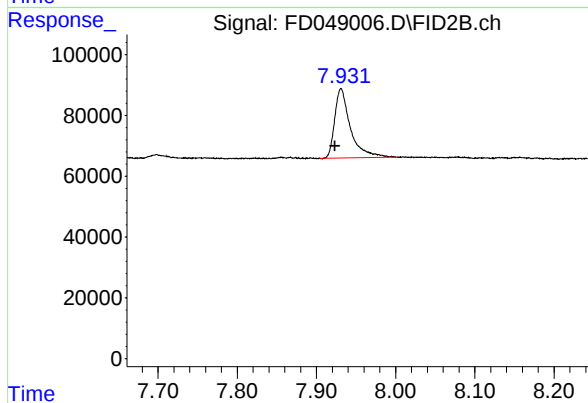
#2 n-Decane (C10)

R.T.: 4.158 min
Delta R.T.: 0.007 min
Response: 245362
Conc: 1.50 ug/ml



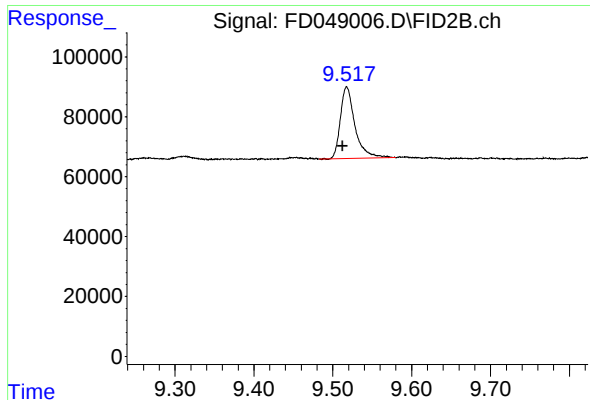
#4 n-Dodecane (C12)

R.T.: 6.149 min
Delta R.T.: 0.006 min
Response: 317540
Conc: 1.92 ug/ml m



#6 n-Tetradecane (C14)

R.T.: 7.931 min
Delta R.T.: 0.008 min
Response: 314170
Conc: 1.90 ug/ml



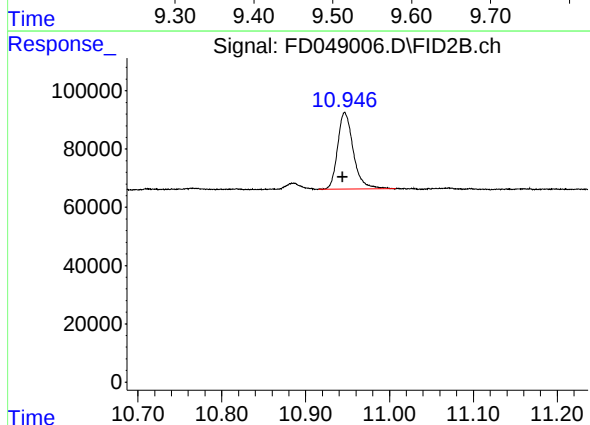
#7 n-Hexadecane (C16)

R.T.: 9.518 min
Delta R.T.: 0.005 min
Response: 308093
Conc: 1.79 ug/ml

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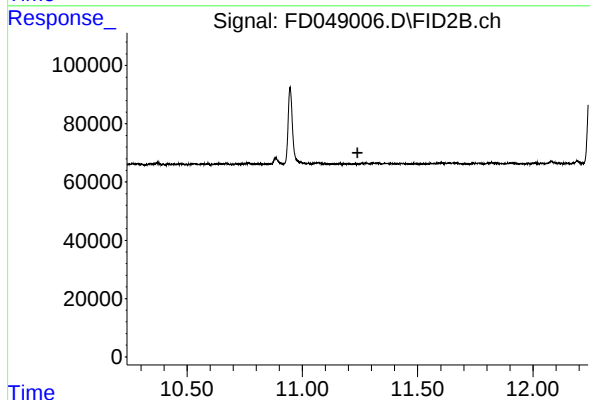
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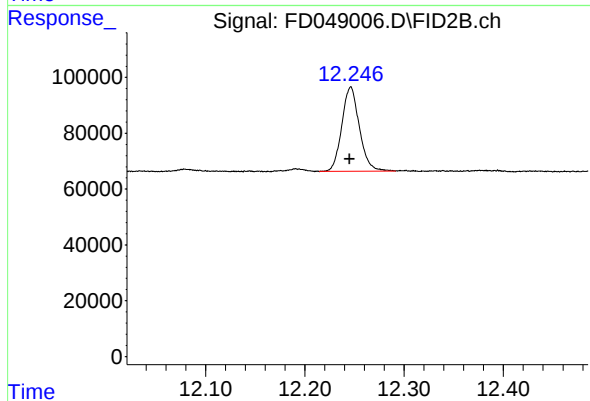
#8 n-Octadecane (C18)

R.T.: 10.947 min
Delta R.T.: 0.002 min
Response: 343661
Conc: 1.95 ug/ml



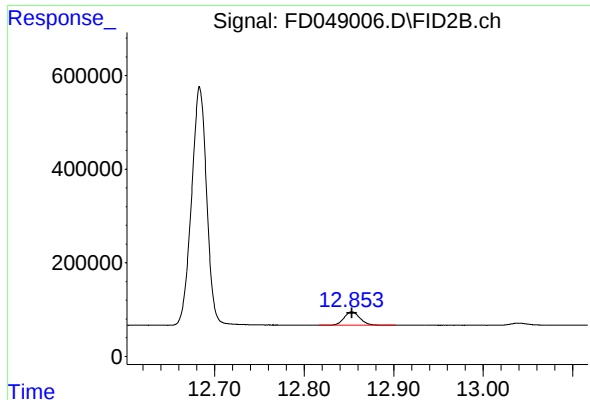
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.239 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.246 min
Delta R.T.: 0.000 min
Response: 371110
Conc: 2.16 ug/ml



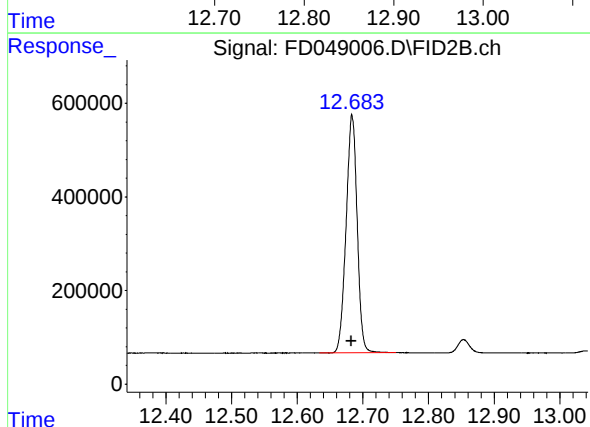
#11 n-Heneicosane (C21)

R.T.: 12.853 min
Delta R.T.: 0.000 min
Response: 347966
Conc: 2.04 ug/ml

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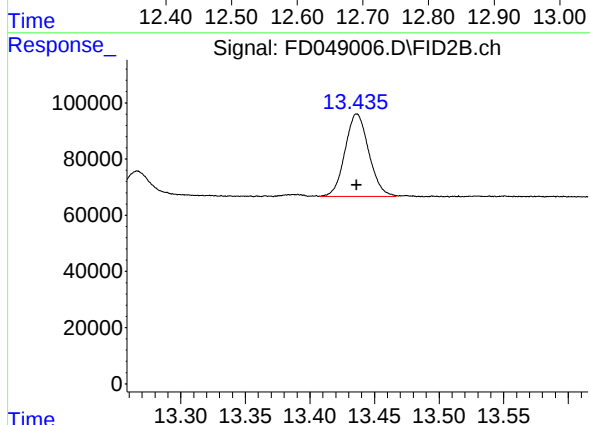
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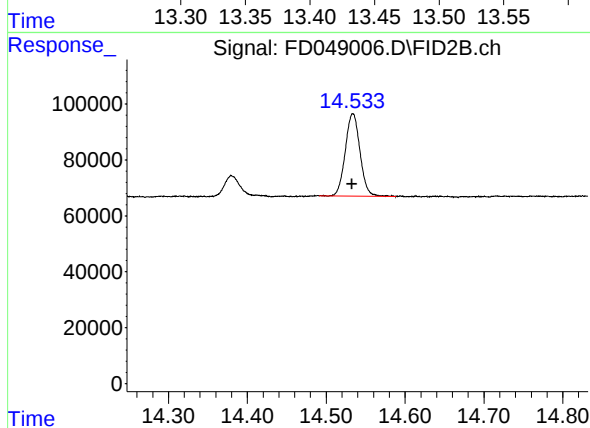
#12 1-chlorooctadecane (SURR)

R.T.: 12.684 min
Delta R.T.: 0.001 min
Response: 5957225
Conc: 40.59 ug/ml



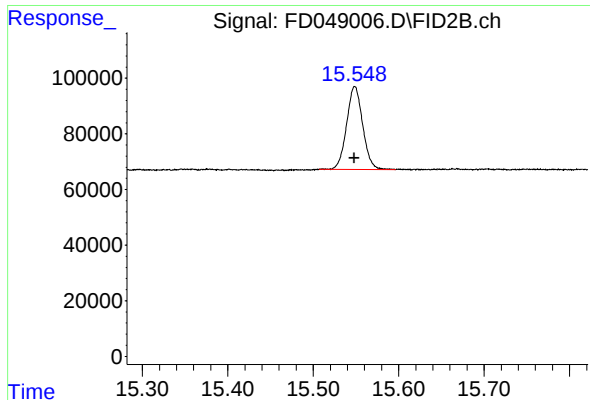
#13 n-Docosane (C22)

R.T.: 13.435 min
Delta R.T.: 0.000 min
Response: 376211
Conc: 2.21 ug/ml m



#14 n-Tetracosane (C24)

R.T.: 14.534 min
Delta R.T.: 0.000 min
Response: 382359
Conc: 2.24 ug/ml



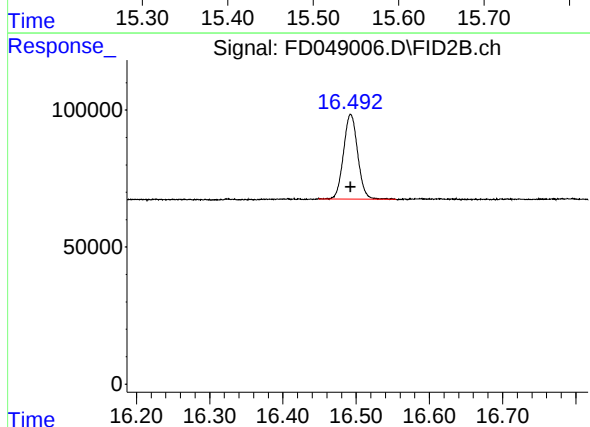
#15 n-Hexacosane (C26)

R.T.: 15.549 min
Delta R.T.: 0.000 min
Response: 390085
Conc: 2.33 ug/ml

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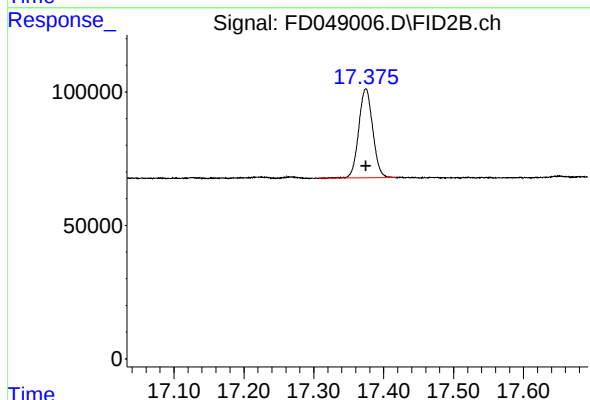
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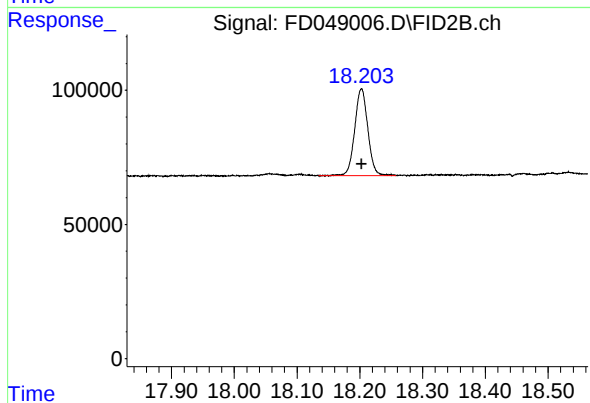
#16 n-Octacosane (C28)

R.T.: 16.493 min
Delta R.T.: 0.000 min
Response: 416608
Conc: 2.50 ug/ml



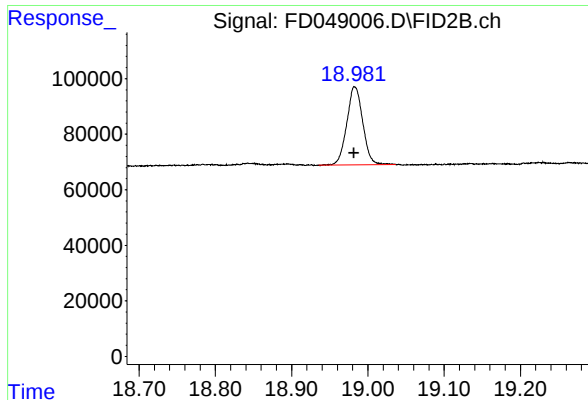
#17 n-Tricontane (C30)

R.T.: 17.375 min
Delta R.T.: 0.000 min
Response: 464575
Conc: 2.71 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.203 min
Delta R.T.: 0.000 min
Response: 468444
Conc: 2.87 ug/ml



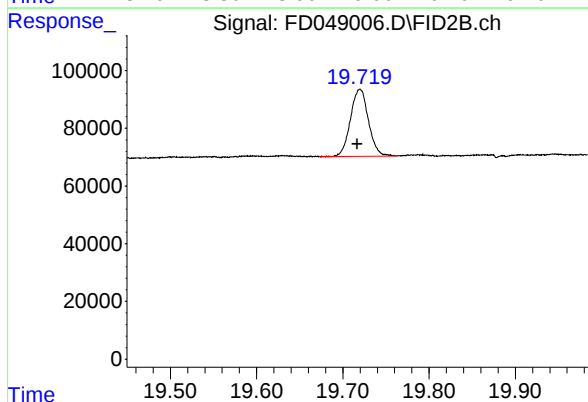
#19 n-Tetratriacontane (C34)

R.T.: 18.983 min
Delta R.T.: 0.000 min
Response: 409485
Conc: 2.94 ug/ml

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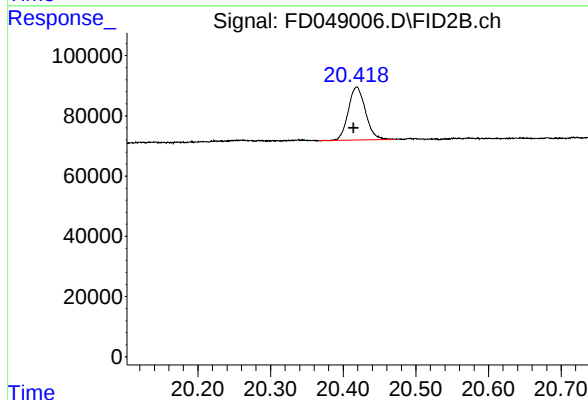
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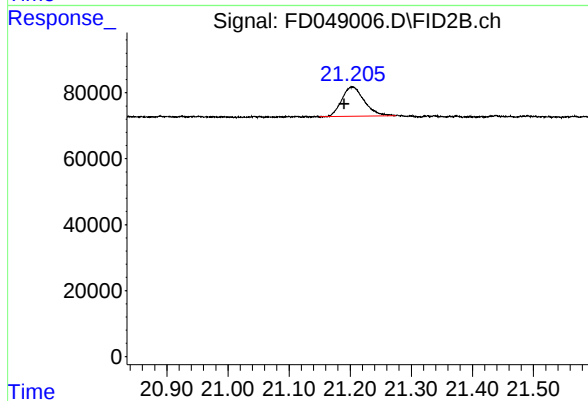
#20 n-Hexatriacontane (C36)

R.T.: 19.720 min
Delta R.T.: 0.003 min
Response: 335924
Conc: 2.92 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.419 min
Delta R.T.: 0.004 min
Response: 289069
Conc: 2.79 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.205 min
Delta R.T.: 0.014 min
Response: 228018
Conc: 2.38 ug/ml