

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100622AL\
 Data File : FD044052.D
 Signal(s) : FID2B.ch
 Acq On : 06 Oct 2022 23:59
 Operator : YP/AJ
 Sample : N4955-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/07/2022
 Supervised By :Ankita Jodhani 10/07/2022

Integration File: autoint1.e
 Quant Time: Oct 07 04:26:12 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 100522.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 06 01:41:44 2022
 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...	12.722	3494751	27.788 ug/ml
Spiked Amount 50.000		Recovery =	55.58%
Target Compounds			
1) T n-Nonane (C9)	3.142	277885	2.058 ug/mlm
2) T n-Decane (C10)	4.192	319592	2.379 ug/mlm
4) T n-Dodecane (C12)	6.188	467092	3.361 ug/mlm
6) T n-Tetradecane (C14)	7.969	436383	3.134 ug/ml
7) T n-Hexadecane (C16)	9.555	413137	2.929 ug/ml
8) T n-Octadecane (C18)	10.983	460408	3.166 ug/ml
10) T n-Eicosane (C20)	12.279	493687	3.329 ug/ml
11) T n-Heneicosane (C21)	12.885	498380	3.322 ug/ml
13) T n-Docosane (C22)	13.467	503866	3.351 ug/ml
14) T n-Tetracosane (C24)	14.559	515975	3.419 ug/ml
15) T n-Hexacosane (C26)	15.570	510805	3.374 ug/ml
16) T n-Octacosane (C28)	16.509	511835	3.397 ug/ml
17) T n-Tricontane (C30)	17.387	521243	3.401 ug/ml
18) T n-Dotriacontane (C32)	18.209	525095	3.424 ug/ml
19) T n-Tetratriacontane (C34)	18.983	490382	3.331 ug/ml
20) T n-Hexatriacontane (C36)	19.715	456852	3.116 ug/ml
21) T n-Octatriacontane (C38)	20.406	422480	3.028 ug/ml
22) T n-Tetracontane (C40)	21.165	361668	2.781 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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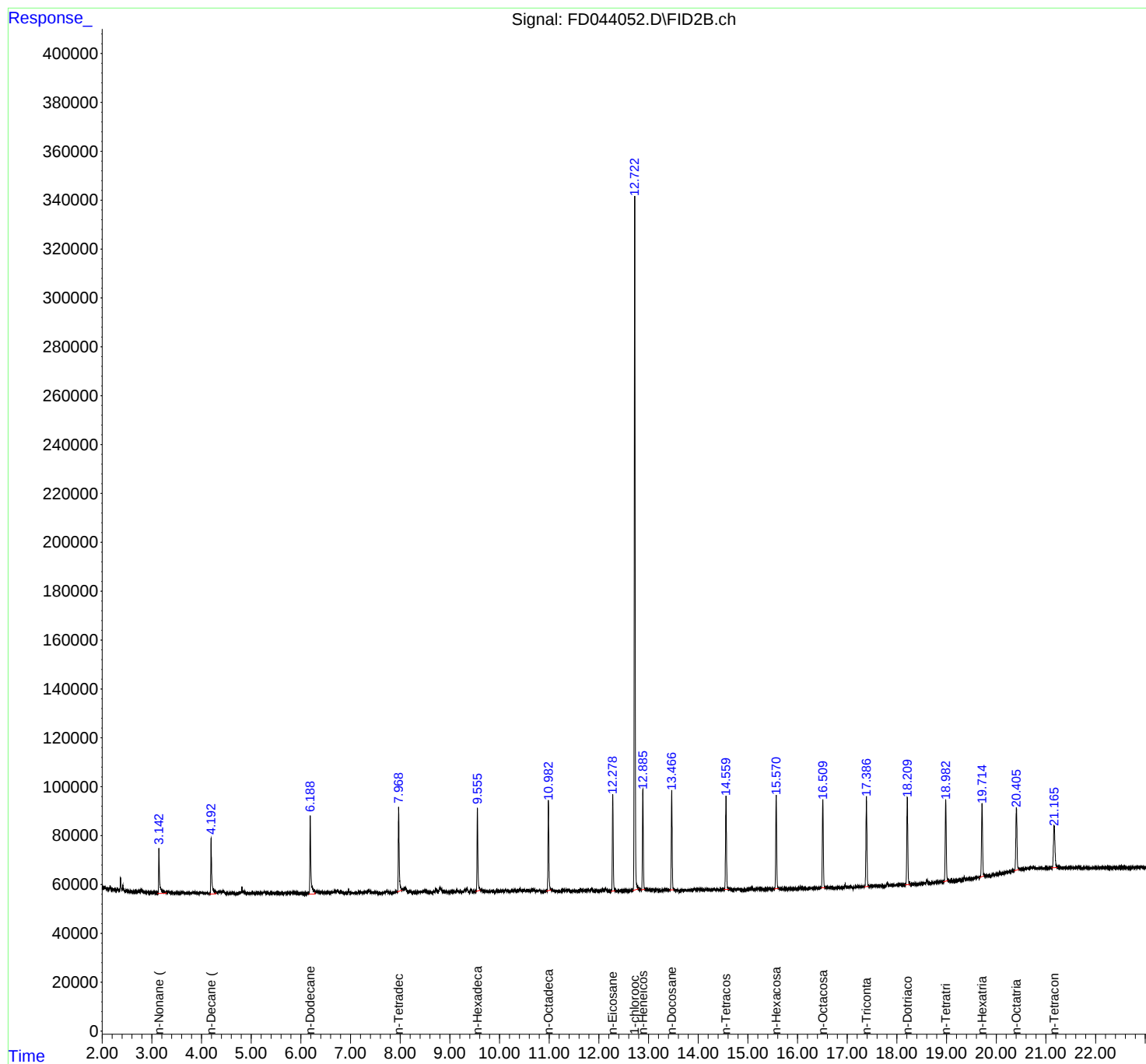
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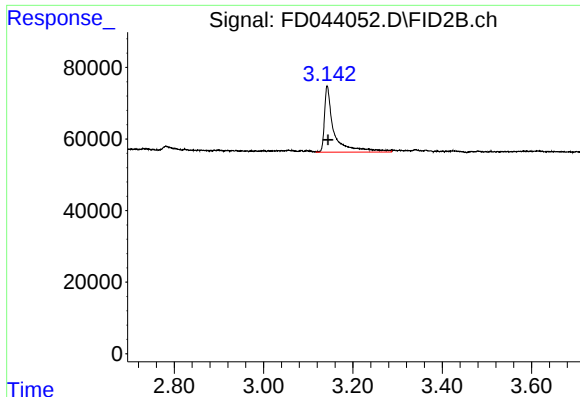
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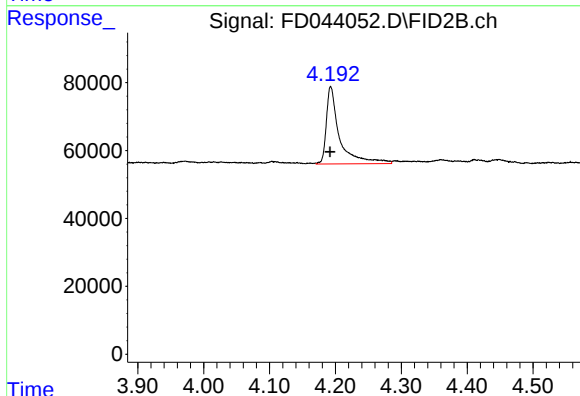
#1 n-Nonane (C9)

R.T.: 3.142 min
Delta R.T.: -0.002 min
Response: 277885
Conc: 2.06 ug/ml

Instrument :
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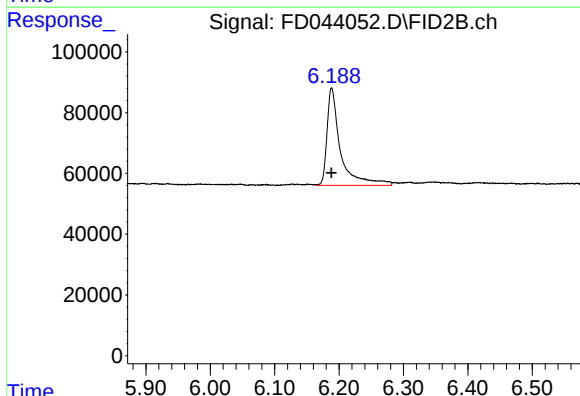
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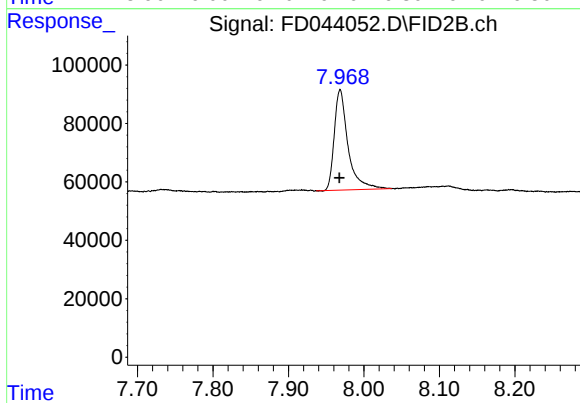
#2 n-Decane (C10)

R.T.: 4.192 min
Delta R.T.: 0.000 min
Response: 319592
Conc: 2.38 ug/ml m



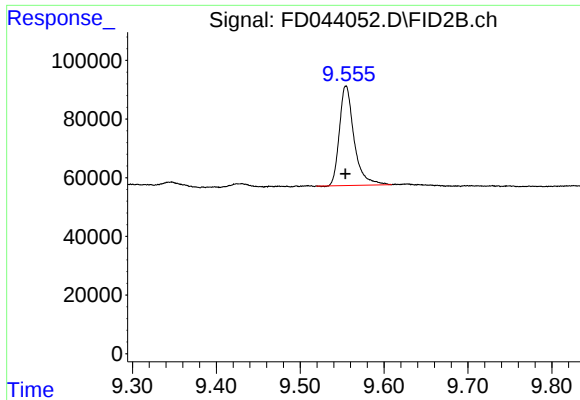
#4 n-Dodecane (C12)

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 467092
Conc: 3.36 ug/ml m



#6 n-Tetradecane (C14)

R.T.: 7.969 min
Delta R.T.: 0.000 min
Response: 436383
Conc: 3.13 ug/ml



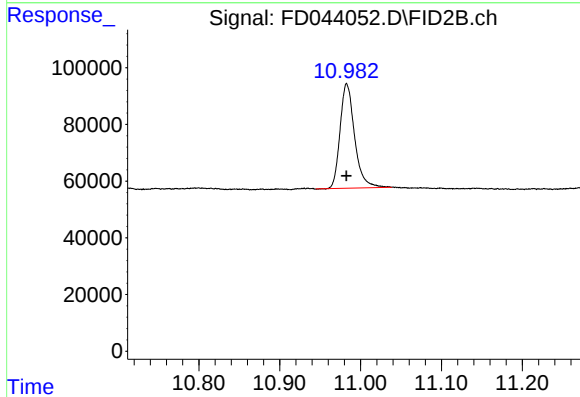
#7 n-Hexadecane (C16)

R.T.: 9.555 min
Delta R.T.: 0.000 min
Response: 413137
Conc: 2.93 ug/ml

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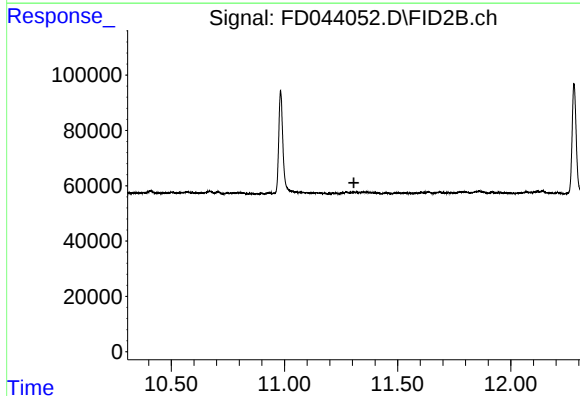
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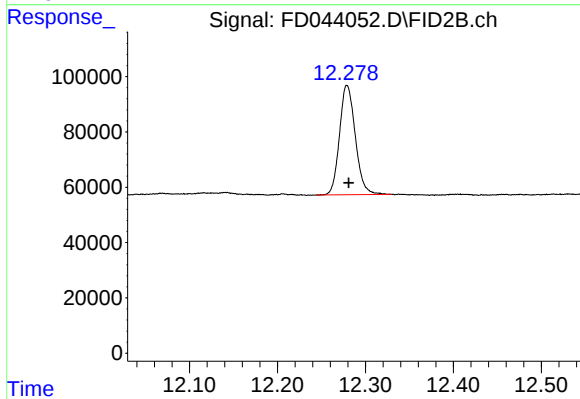
#8 n-Octadecane (C18)

R.T.: 10.983 min
Delta R.T.: 0.000 min
Response: 460408
Conc: 3.17 ug/ml



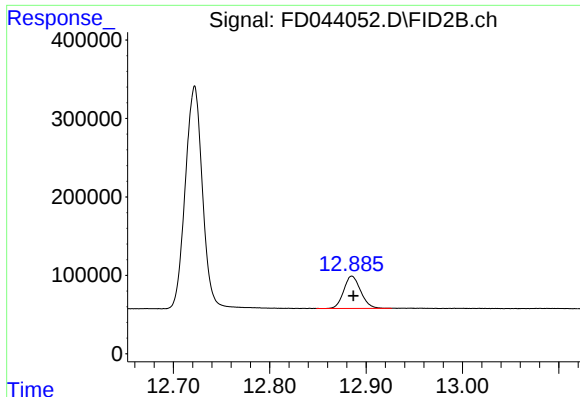
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.307 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.279 min
Delta R.T.: -0.002 min
Response: 493687
Conc: 3.33 ug/ml



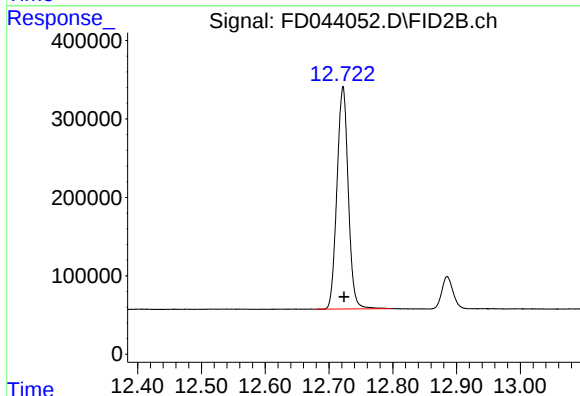
#11 n-Heneicosane (C21)

R.T.: 12.885 min
Delta R.T.: -0.002 min
Response: 498380
Conc: 3.32 ug/ml

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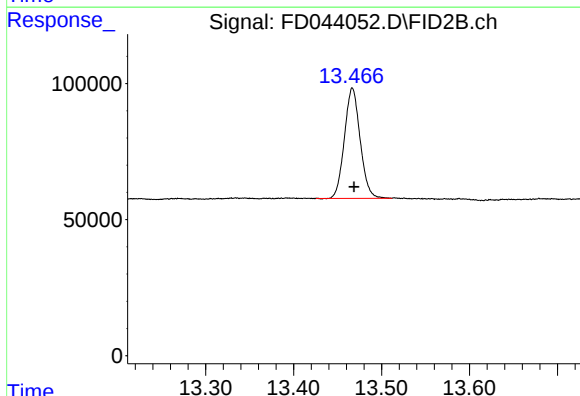
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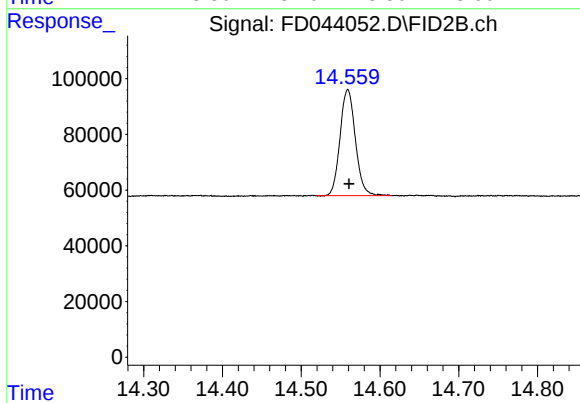
#12 1-chlorooctadecane (SURR)

R.T.: 12.722 min
Delta R.T.: -0.002 min
Response: 3494751
Conc: 27.79 ug/ml



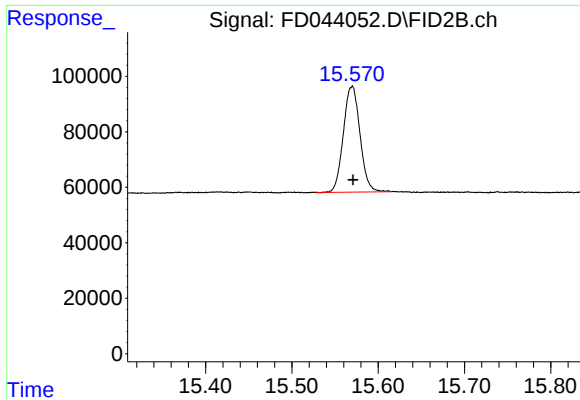
#13 n-Docosane (C22)

R.T.: 13.467 min
Delta R.T.: -0.002 min
Response: 503866
Conc: 3.35 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.559 min
Delta R.T.: -0.001 min
Response: 515975
Conc: 3.42 ug/ml



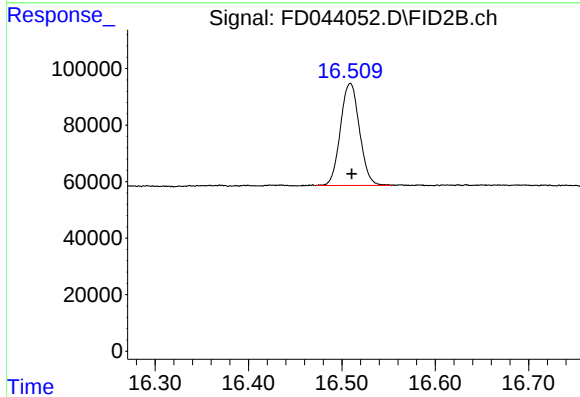
#15 n-Hexacosane (C26)

R.T.: 15.570 min
Delta R.T.: -0.001 min
Response: 510805
Conc: 3.37 ug/ml

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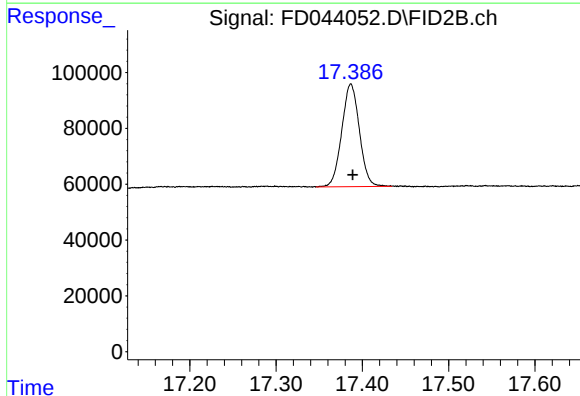
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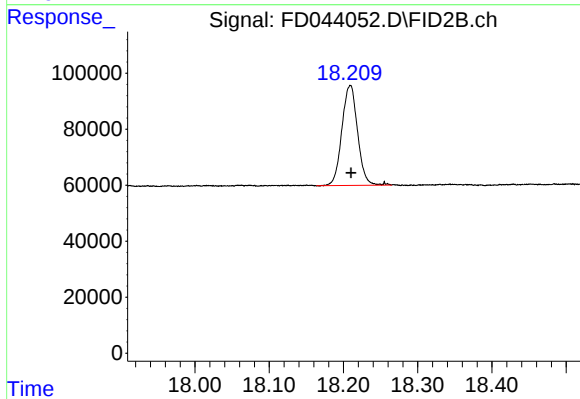
#16 n-Octacosane (C28)

R.T.: 16.509 min
Delta R.T.: -0.002 min
Response: 511835
Conc: 3.40 ug/ml



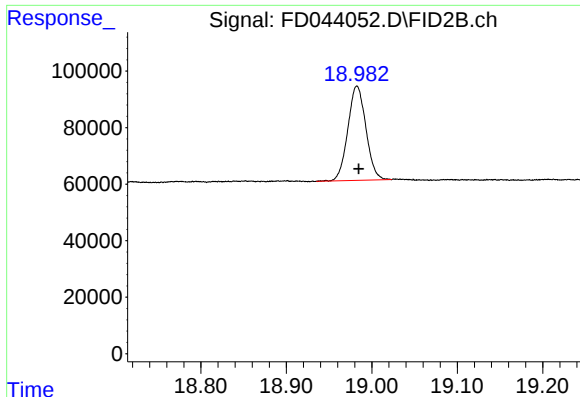
#17 n-Tricontane (C30)

R.T.: 17.387 min
Delta R.T.: -0.002 min
Response: 521243
Conc: 3.40 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.209 min
Delta R.T.: -0.001 min
Response: 525095
Conc: 3.42 ug/ml



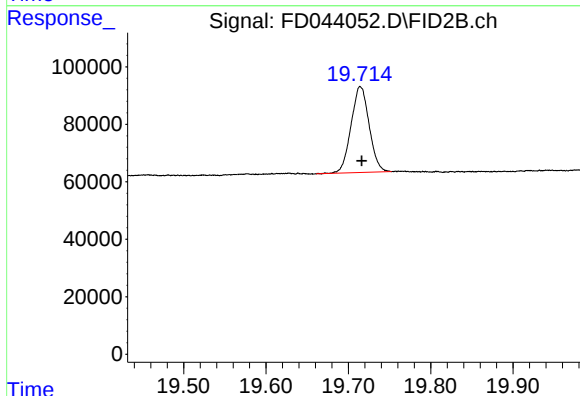
#19 n-Tetratriacontane (C34)

R.T.: 18.983 min
Delta R.T.: -0.002 min
Response: 490382
Conc: 3.33 ug/ml

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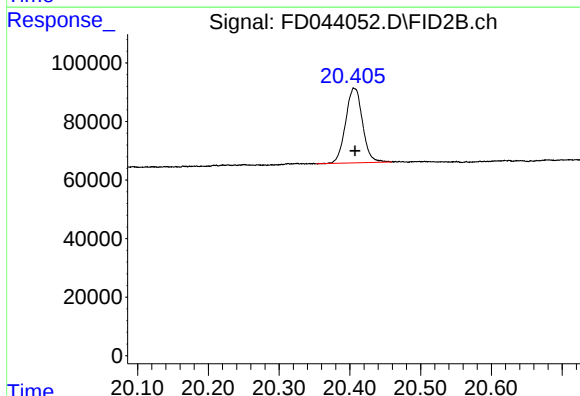
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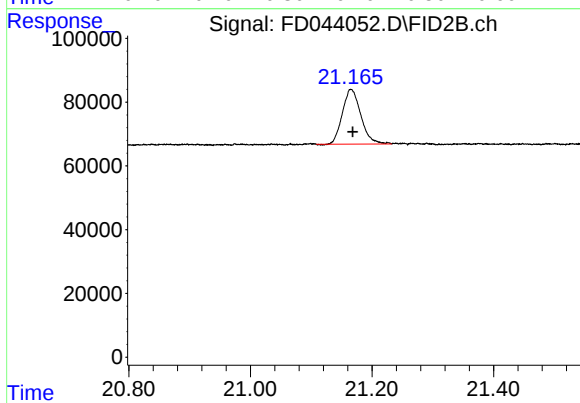
#20 n-Hexatriacontane (C36)

R.T.: 19.715 min
Delta R.T.: -0.002 min
Response: 456852
Conc: 3.12 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.406 min
Delta R.T.: -0.001 min
Response: 422480
Conc: 3.03 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.165 min
Delta R.T.: -0.003 min
Response: 361668
Conc: 2.78 ug/ml