

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012925AL\
 Data File : FD048998.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 16:03
 Operator : YP/AJ
 Sample : Q1168-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-SOIL-01-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 05:02:37 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...	12.686	5877198	40.040 ug/ml
Spiked Amount 50.000		Recovery =	80.08%
Target Compounds			
1) T n-Nonane (C9)	3.114	207038	1.295 ug/ml
2) T n-Decane (C10)	4.158	240298	1.474 ug/ml
4) T n-Dodecane (C12)	6.150	303867	1.835 ug/ml
6) T n-Tetradecane (C14)	7.932	310298	1.877 ug/ml
7) T n-Hexadecane (C16)	9.519	304175	1.764 ug/ml
8) T n-Octadecane (C18)	10.949	343676	1.949 ug/ml
10) T n-Eicosane (C20)	12.248	367541	2.136 ug/ml
11) T n-Heneicosane (C21)	12.856	345388	2.028 ug/ml
13) T n-Docosane (C22)	13.439	368664	2.168 ug/ml
14) T n-Tetracosane (C24)	14.537	372922	2.189 ug/ml
15) T n-Hexacosane (C26)	15.552	372735	2.225 ug/mlm
16) T n-Octacosane (C28)	16.495	398360	2.395 ug/ml
17) T n-Tricontane (C30)	17.378	424808	2.475 ug/ml
18) T n-Dotriacontane (C32)	18.207	425665	2.604 ug/mlm
19) T n-Tetratriacontane (C34)	18.987	363807	2.611 ug/ml
20) T n-Hexatriacontane (C36)	19.725	311150	2.706 ug/ml
21) T n-Octatriacontane (C38)	20.424	273153	2.636 ug/ml
22) T n-Tetracontane (C40)	21.211	218431	2.279 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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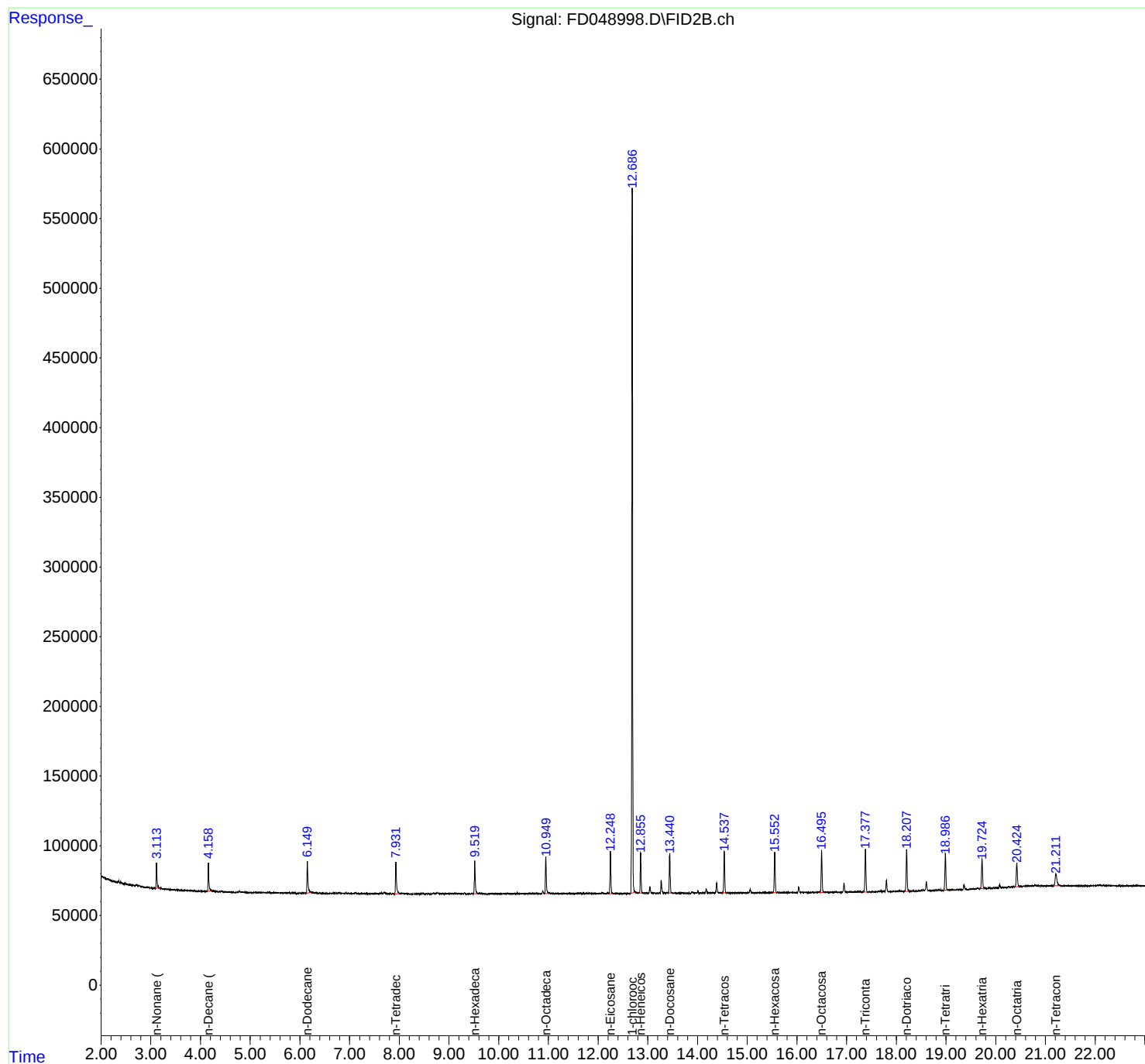
Instrument :
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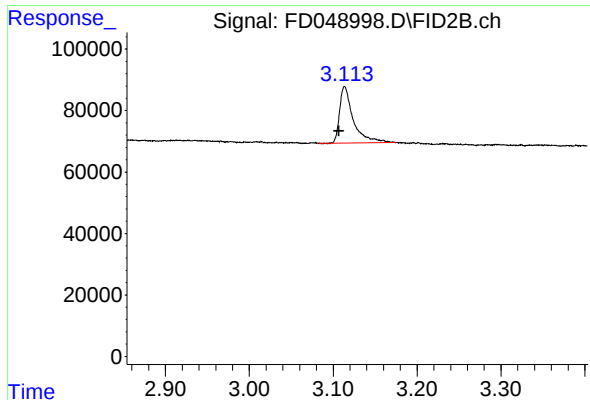
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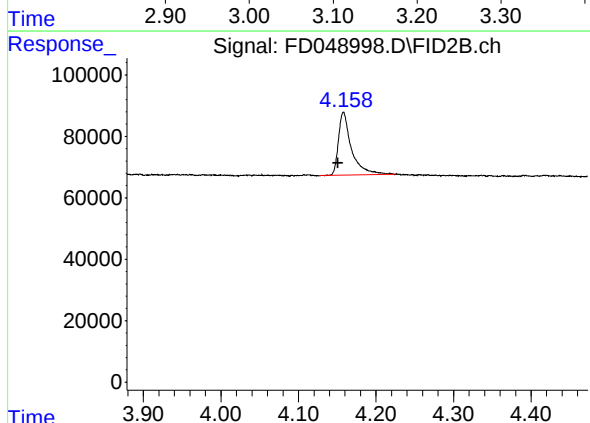
#1 n-Nonane (C9)

R.T.: 3.114 min
Delta R.T.: 0.007 min
Response: 207038
Conc: 1.29 ug/ml

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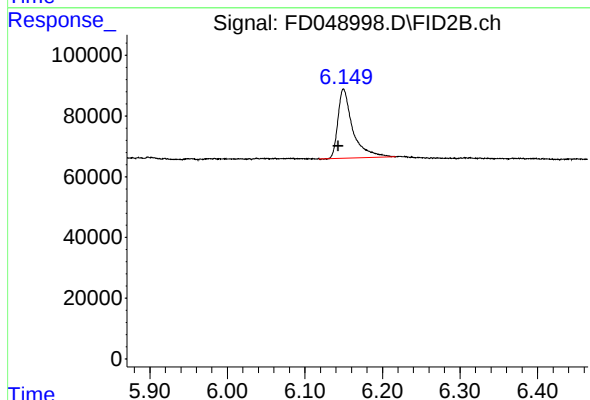
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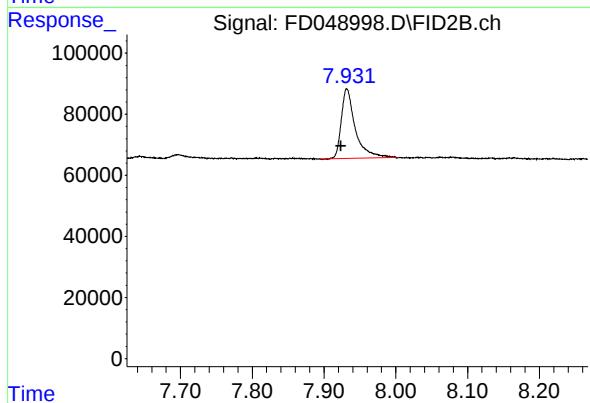
#2 n-Decane (C10)

R.T.: 4.158 min
Delta R.T.: 0.007 min
Response: 240298
Conc: 1.47 ug/ml



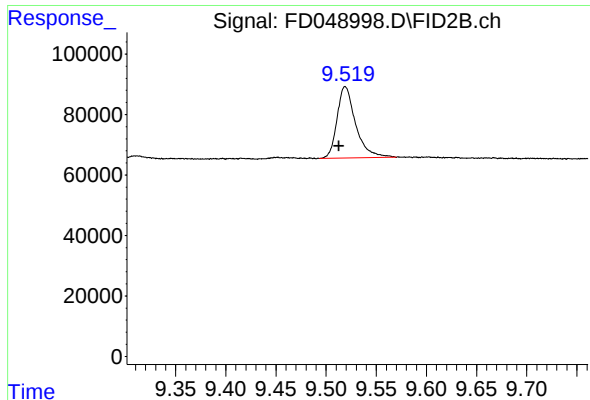
#4 n-Dodecane (C12)

R.T.: 6.150 min
Delta R.T.: 0.007 min
Response: 303867
Conc: 1.83 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.932 min
Delta R.T.: 0.008 min
Response: 310298
Conc: 1.88 ug/ml



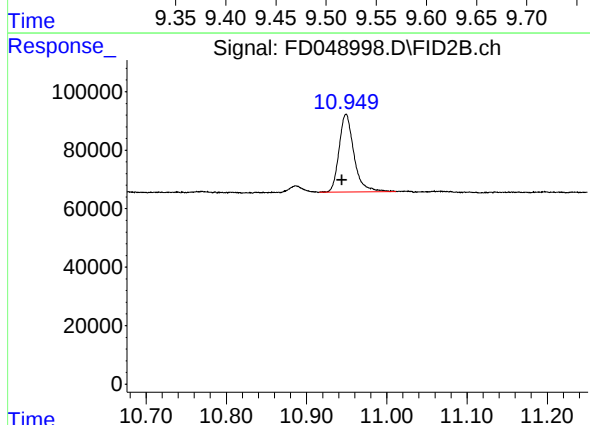
#7 n-Hexadecane (C16)

R.T.: 9.519 min
Delta R.T.: 0.006 min
Response: 304175
Conc: 1.76 ug/ml

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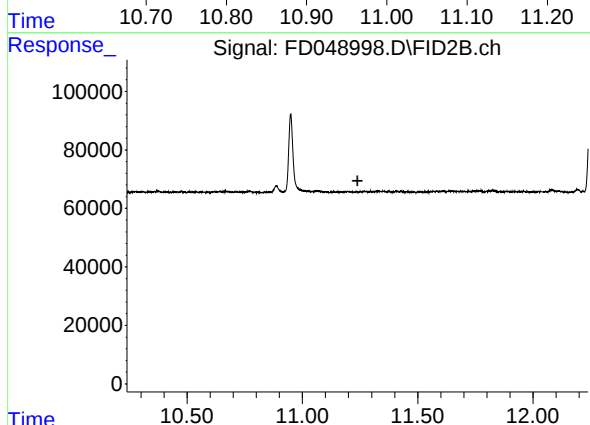
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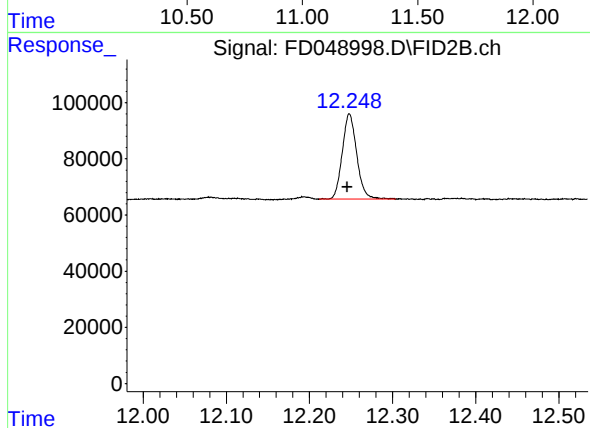
#8 n-Octadecane (C18)

R.T.: 10.949 min
Delta R.T.: 0.005 min
Response: 343676
Conc: 1.95 ug/ml



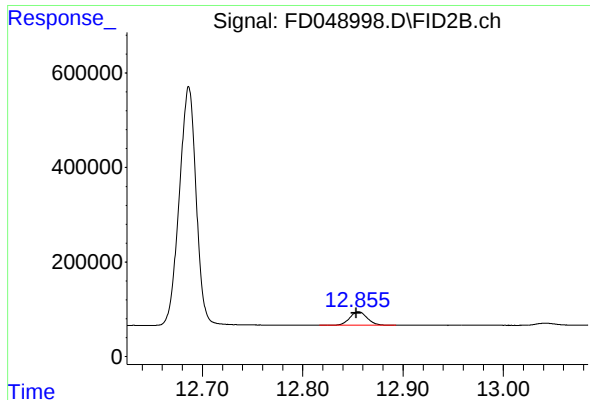
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.248 min
Delta R.T.: 0.003 min
Response: 367541
Conc: 2.14 ug/ml



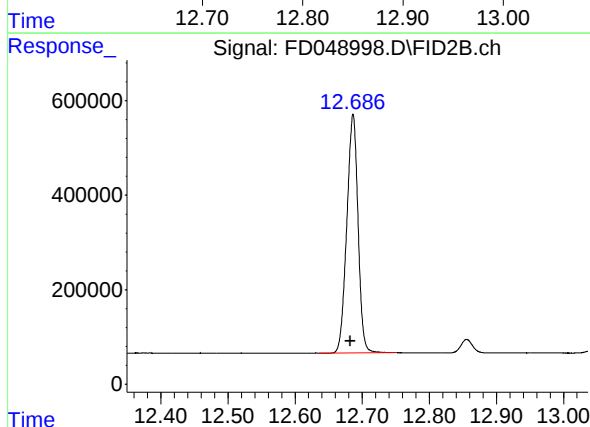
#11 n-Heneicosane (C21)

R.T.: 12.856 min
Delta R.T.: 0.002 min
Response: 345388
Conc: 2.03 ug/ml

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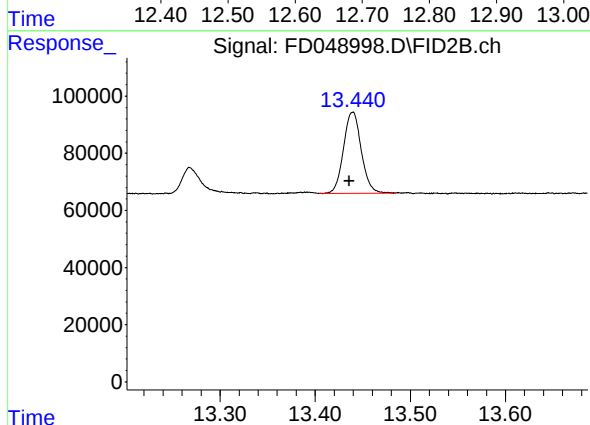
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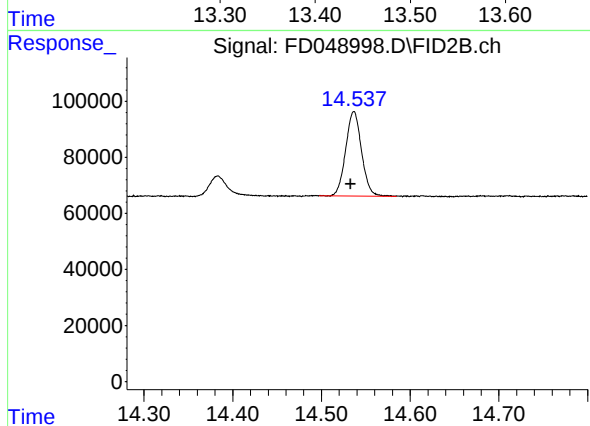
#12 1-chlorooctadecane (SURR)

R.T.: 12.686 min
Delta R.T.: 0.004 min
Response: 5877198
Conc: 40.04 ug/ml



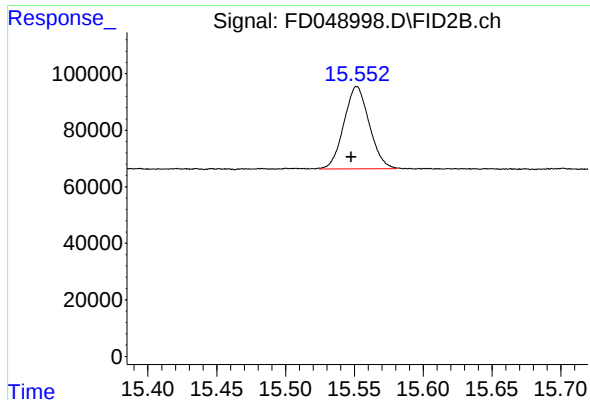
#13 n-Docosane (C22)

R.T.: 13.439 min
Delta R.T.: 0.003 min
Response: 368664
Conc: 2.17 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.537 min
Delta R.T.: 0.004 min
Response: 372922
Conc: 2.19 ug/ml



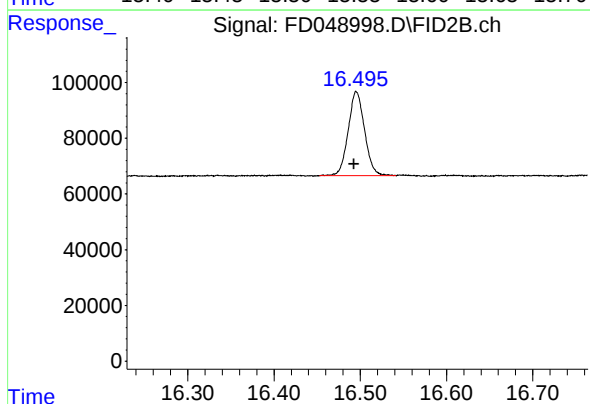
#15 n-Hexacosane (C26)

R.T.: 15.552 min
Delta R.T.: 0.004 min
Response: 372735
Conc: 2.23 ug/ml

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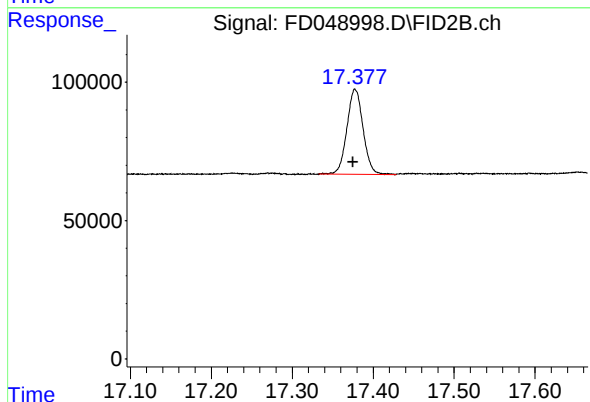
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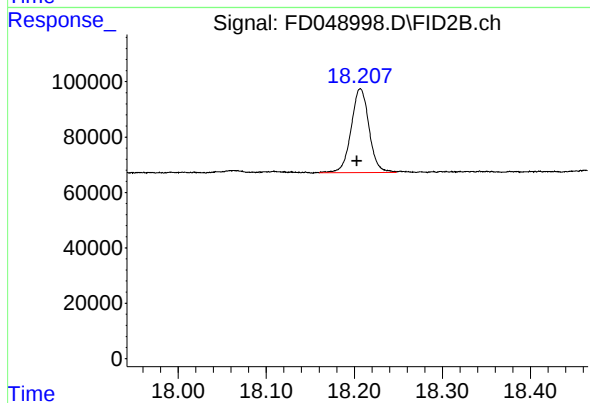
#16 n-Octacosane (C28)

R.T.: 16.495 min
Delta R.T.: 0.003 min
Response: 398360
Conc: 2.39 ug/ml



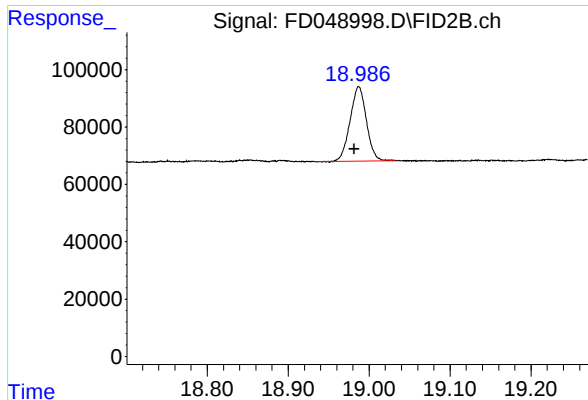
#17 n-Tricontane (C30)

R.T.: 17.378 min
Delta R.T.: 0.003 min
Response: 424808
Conc: 2.47 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.207 min
Delta R.T.: 0.004 min
Response: 425665
Conc: 2.60 ug/ml m



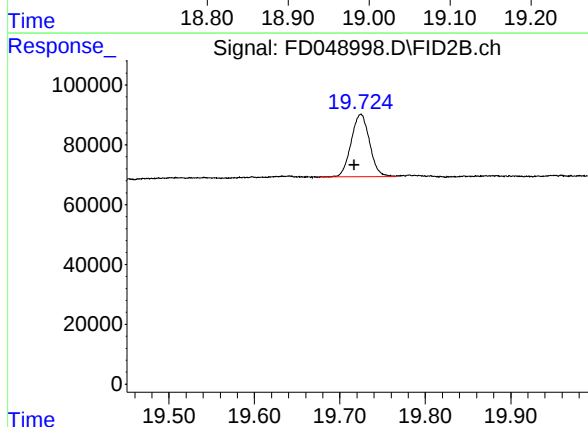
#19 n-Tetratriacontane (C34)

R.T.: 18.987 min
Delta R.T.: 0.005 min
Response: 363807
Conc: 2.61 ug/ml

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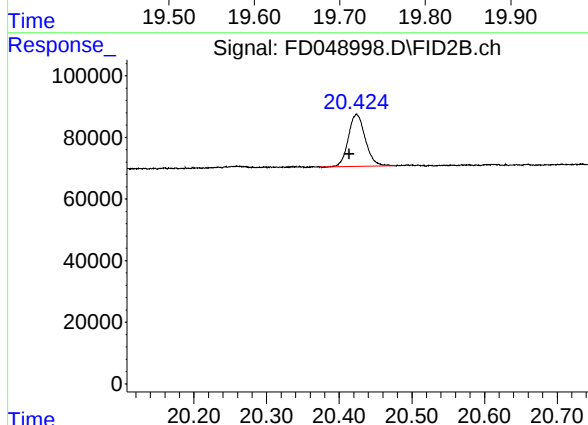
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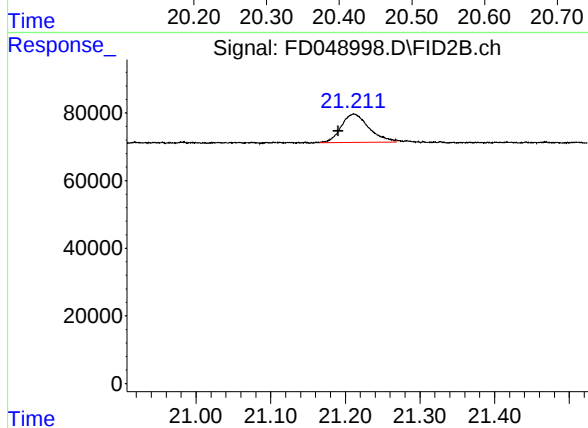
#20 n-Hexatriacontane (C36)

R.T.: 19.725 min
Delta R.T.: 0.008 min
Response: 311150
Conc: 2.71 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.424 min
Delta R.T.: 0.010 min
Response: 273153
Conc: 2.64 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.211 min
Delta R.T.: 0.020 min
Response: 218431
Conc: 2.28 ug/ml m