

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012925AL\
 Data File : FD049002.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 18:29
 Operator : YP/AJ
 Sample : Q1168-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 MDL-WATER-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 05:04:16 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	5857781	39.908 ug/ml
Spiked Amount 50.000		Recovery =	79.82%
Target Compounds			
1) T n-Nonane (C9)	3.114	202195	1.264 ug/ml
2) T n-Decane (C10)	4.158	239569	1.469 ug/ml
4) T n-Dodecane (C12)	6.151	303532	1.833 ug/ml
6) T n-Tetradecane (C14)	7.932	301511	1.824 ug/ml
7) T n-Hexadecane (C16)	9.518	305094	1.769 ug/ml
8) T n-Octadecane (C18)	10.949	346397	1.965 ug/ml
10) T n-Eicosane (C20)	12.248	359539	2.089 ug/ml
11) T n-Heneicosane (C21)	12.855	345990	2.032 ug/mlm
13) T n-Docosane (C22)	13.439	366329	2.154 ug/mlm
14) T n-Tetracosane (C24)	14.535	377187	2.214 ug/ml
15) T n-Hexacosane (C26)	15.552	381560	2.278 ug/mlm
16) T n-Octacosane (C28)	16.495	406246	2.442 ug/ml
17) T n-Tricontane (C30)	17.378	452719	2.637 ug/ml
18) T n-Dotriacontane (C32)	18.206	452682	2.769 ug/ml
19) T n-Tetratriacontane (C34)	18.986	401993	2.885 ug/ml
20) T n-Hexatriacontane (C36)	19.724	328210	2.854 ug/ml
21) T n-Octatriacontane (C38)	20.424	286939	2.769 ug/ml
22) T n-Tetracontane (C40)	21.208	246974	2.577 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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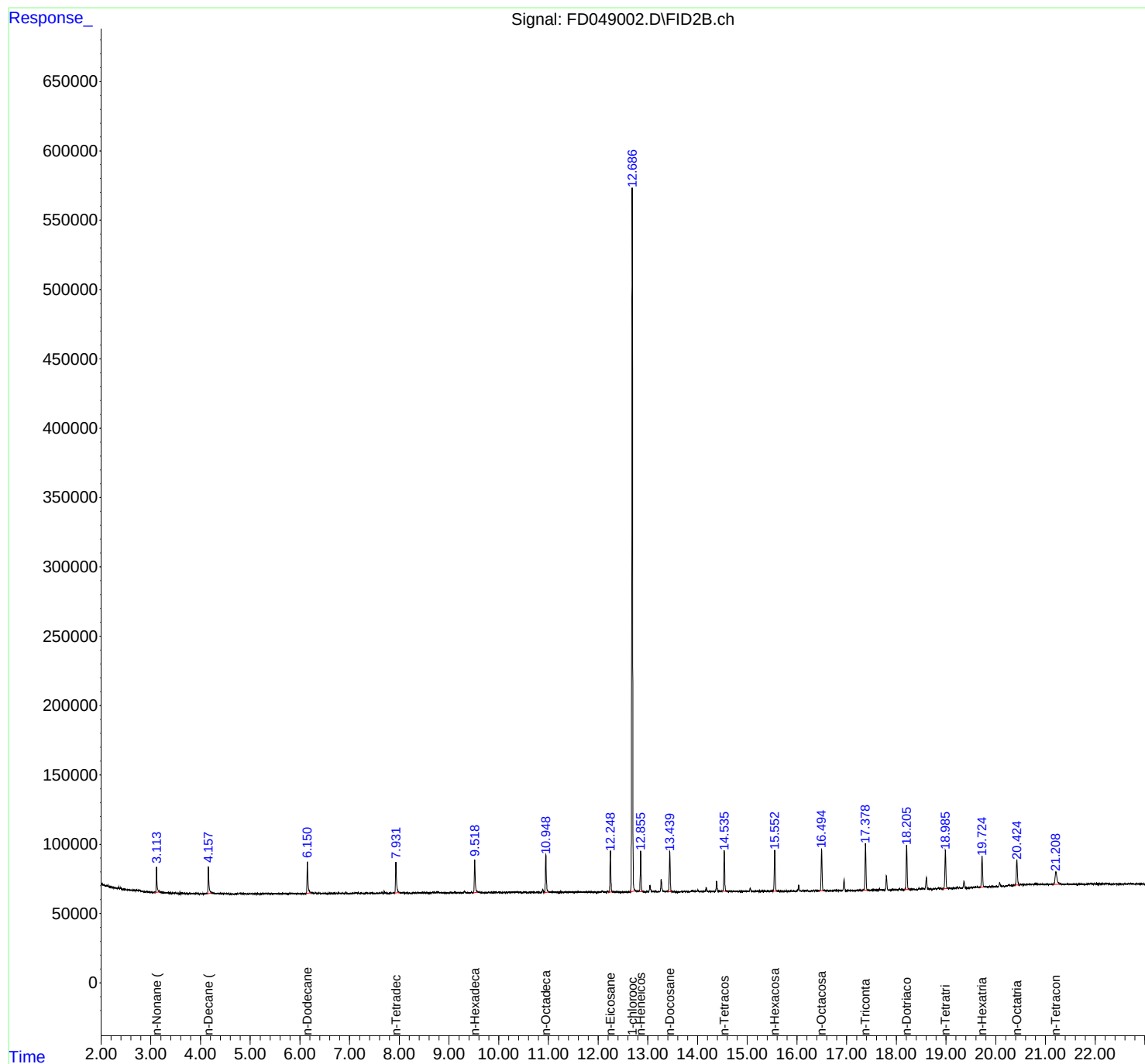
Instrument :
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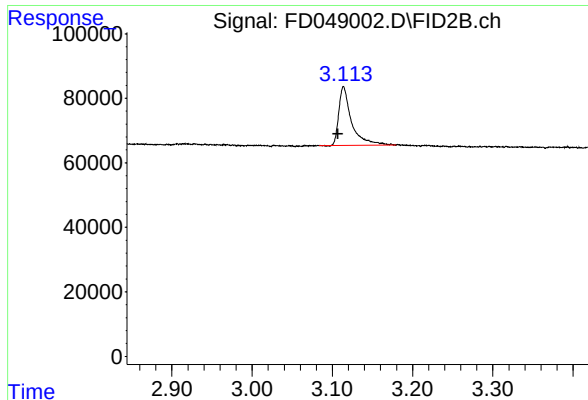
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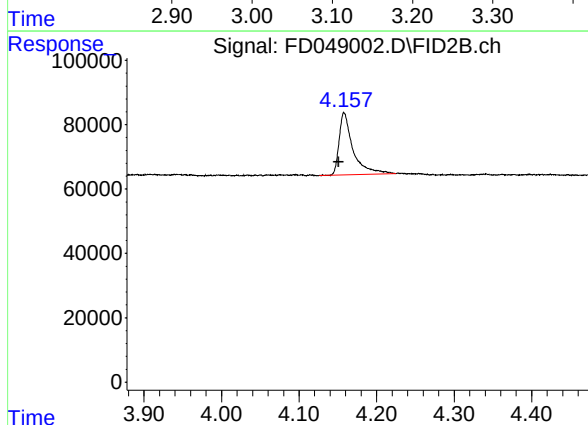
#1 n-Nonane (C9)

R.T.: 3.114 min
Delta R.T.: 0.007 min
Response: 202195
Conc: 1.26 ug/ml

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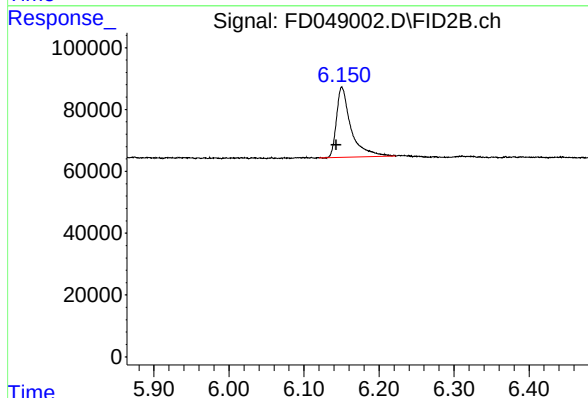
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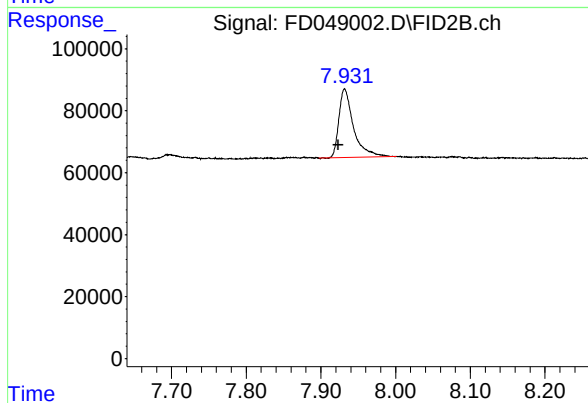
#2 n-Decane (C10)

R.T.: 4.158 min
Delta R.T.: 0.007 min
Response: 239569
Conc: 1.47 ug/ml



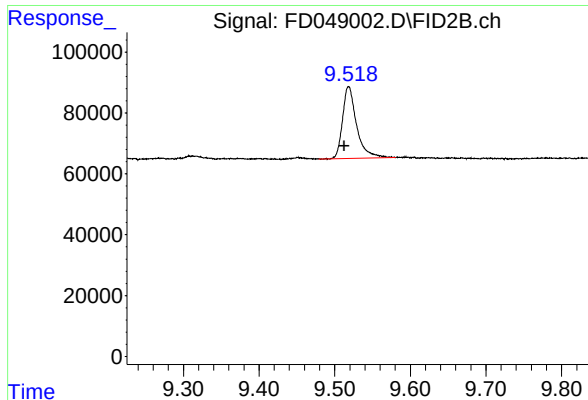
#4 n-Dodecane (C12)

R.T.: 6.151 min
Delta R.T.: 0.007 min
Response: 303532
Conc: 1.83 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.932 min
Delta R.T.: 0.008 min
Response: 301511
Conc: 1.82 ug/ml



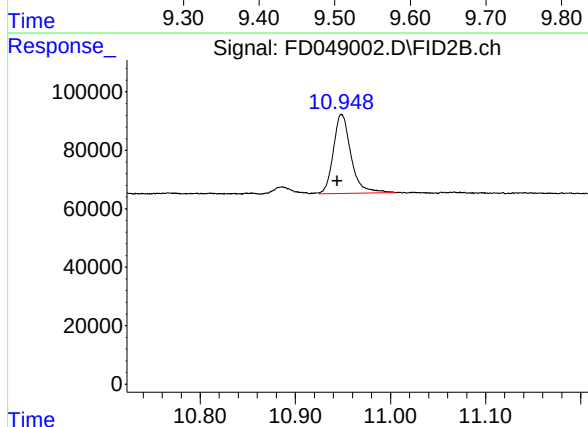
#7 n-Hexadecane (C16)

R.T.: 9.518 min
Delta R.T.: 0.006 min
Response: 305094
Conc: 1.77 ug/ml

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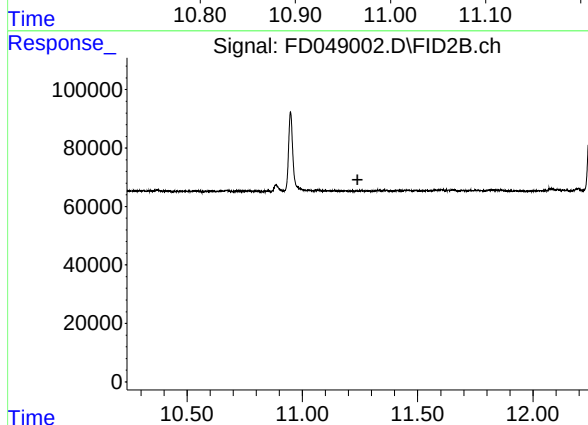
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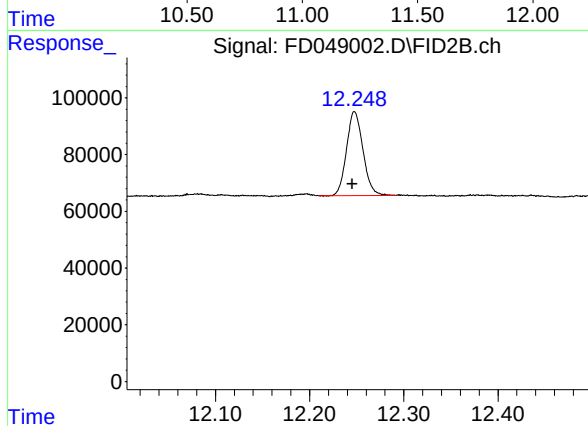
#8 n-Octadecane (C18)

R.T.: 10.949 min
Delta R.T.: 0.005 min
Response: 346397
Conc: 1.96 ug/ml



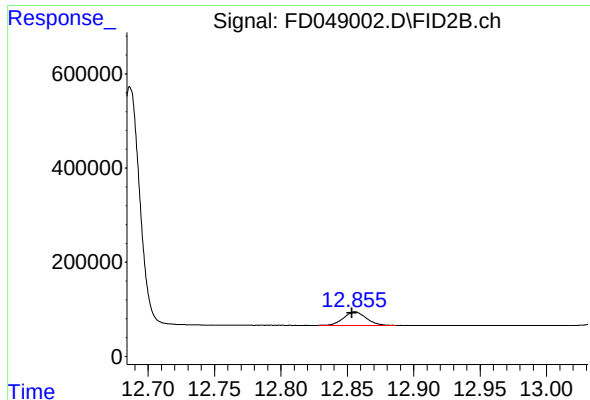
#9 ortho-Terphenyl (SURR)

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.: 0.002 min
Response: 359539
Conc: 2.09 ug/ml



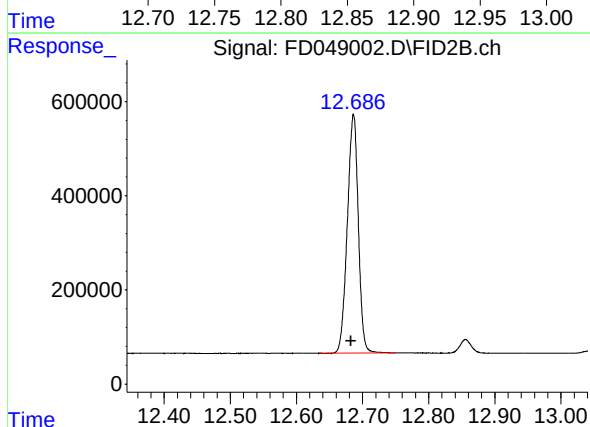
#11 n-Heneicosane (C21)

R.T.: 12.855 min
Delta R.T.: 0.002 min
Response: 345990
Conc: 2.03 ug/ml

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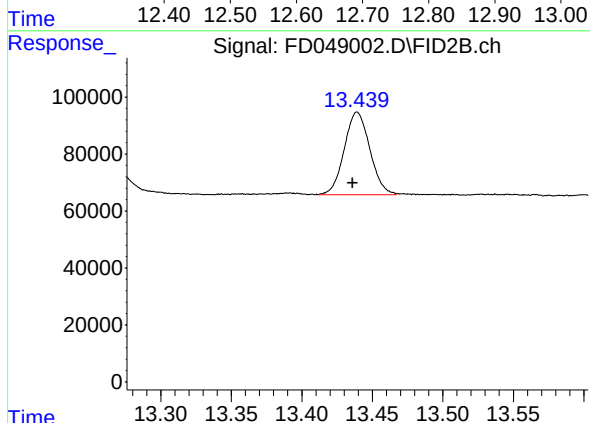
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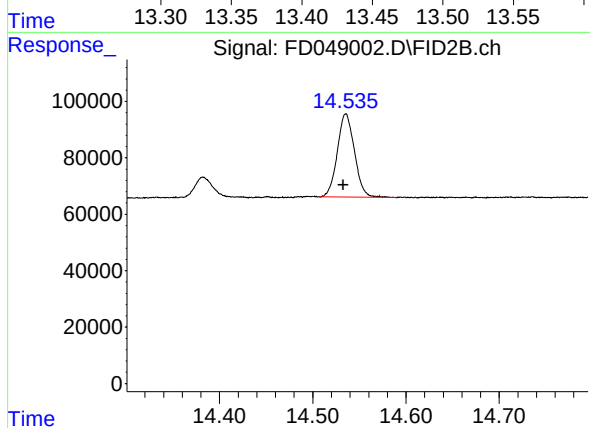
#12 1-chlorooctadecane (SURR)

R.T.: 12.686 min
Delta R.T.: 0.004 min
Response: 5857781
Conc: 39.91 ug/ml



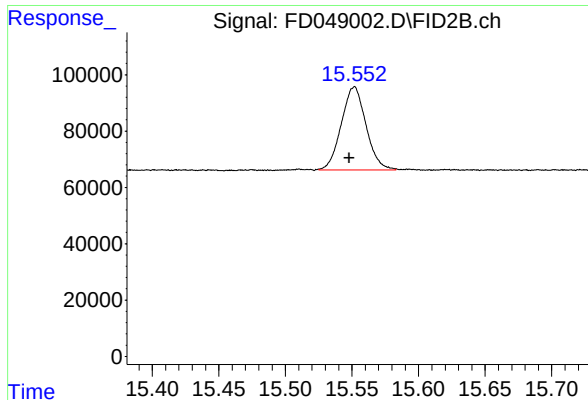
#13 n-Docosane (C22)

R.T.: 13.439 min
Delta R.T.: 0.003 min
Response: 366329
Conc: 2.15 ug/ml m



#14 n-Tetracosane (C24)

R.T.: 14.535 min
Delta R.T.: 0.003 min
Response: 377187
Conc: 2.21 ug/ml



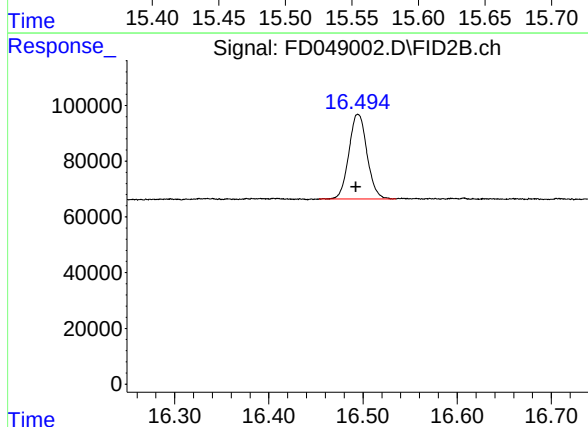
#15 n-Hexacosane (C26)

R.T.: 15.552 min
Delta R.T.: 0.004 min
Response: 381560
Conc: 2.28 ug/ml

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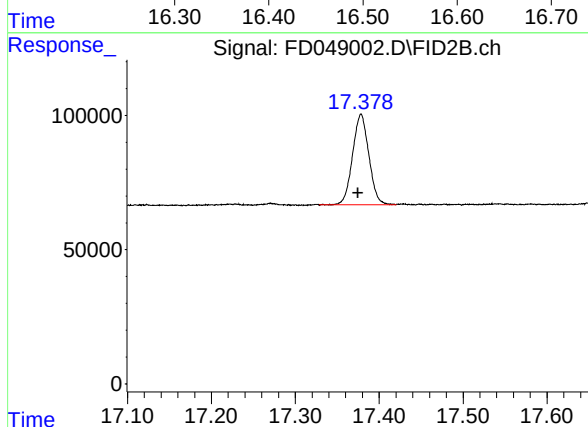
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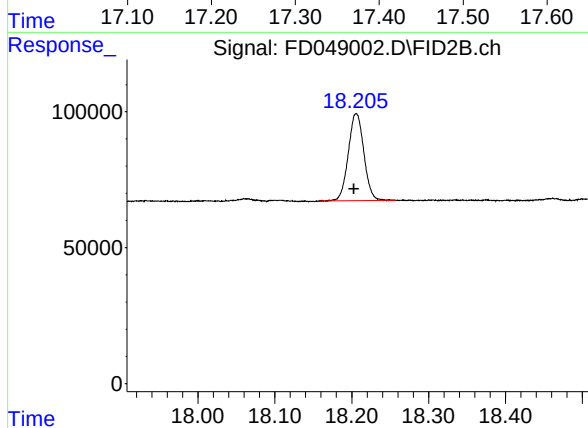
#16 n-Octacosane (C28)

R.T.: 16.495 min
Delta R.T.: 0.002 min
Response: 406246
Conc: 2.44 ug/ml



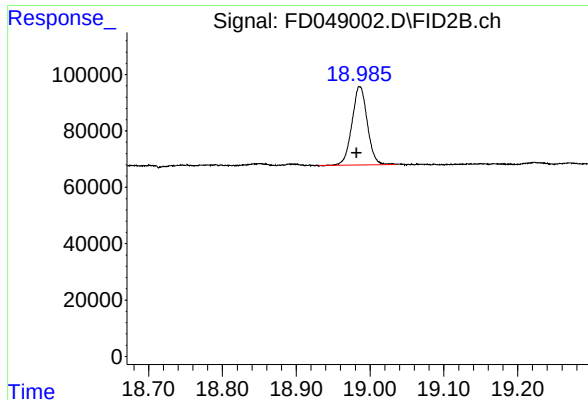
#17 n-Tricontane (C30)

R.T.: 17.378 min
Delta R.T.: 0.003 min
Response: 452719
Conc: 2.64 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.206 min
Delta R.T.: 0.003 min
Response: 452682
Conc: 2.77 ug/ml



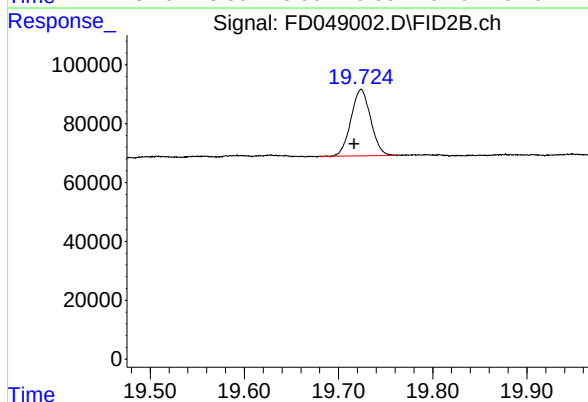
#19 n-Tetratriacontane (C34)

R.T.: 18.986 min
Delta R.T.: 0.004 min
Response: 401993
Conc: 2.89 ug/ml

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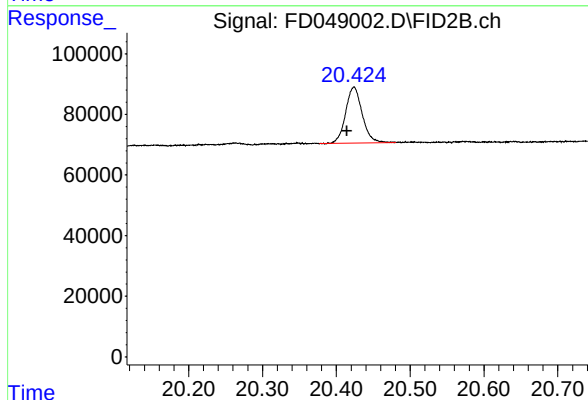
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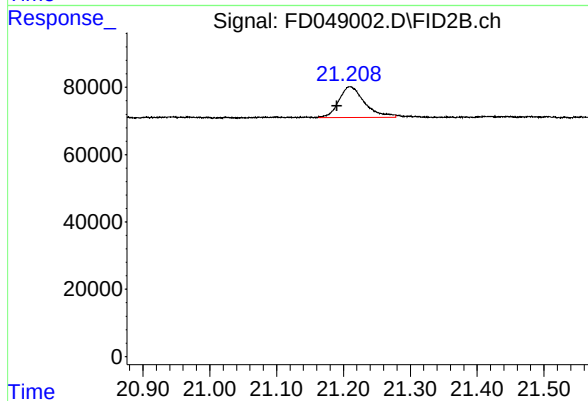
#20 n-Hexatriacontane (C36)

R.T.: 19.724 min
Delta R.T.: 0.007 min
Response: 328210
Conc: 2.85 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.424 min
Delta R.T.: 0.010 min
Response: 286939
Conc: 2.77 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.208 min
Delta R.T.: 0.017 min
Response: 246974
Conc: 2.58 ug/ml m