

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AL\
 Data File : FD048981.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 02:06
 Operator : YP/AJ
 Sample : Q1168-07
 Misc : 4 PPM WATER LOD
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
 Quant Time: Jan 29 04:09:18 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...	12.685	4309001	29.356 ug/ml
Spiked Amount 50.000		Recovery =	58.71%
Target Compounds			
1) T n-Nonane (C9)	3.112	286509	1.792 ug/ml
2) T n-Decane (C10)	4.156	329572	2.021 ug/ml
4) T n-Dodecane (C12)	6.149	387789	2.341 ug/ml
6) T n-Tetradecane (C14)	7.930	400021	2.420 ug/ml
7) T n-Hexadecane (C16)	9.517	407176	2.361 ug/ml
8) T n-Octadecane (C18)	10.948	449717	2.551 ug/ml
10) T n-Eicosane (C20)	12.247	461348	2.681 ug/ml
11) T n-Heneicosane (C21)	12.855	453644	2.664 ug/ml
13) T n-Docosane (C22)	13.440	446465	2.626 ug/ml
14) T n-Tetracosane (C24)	14.537	441834	2.593 ug/ml
15) T n-Hexacosane (C26)	15.553	431398	2.576 ug/ml
16) T n-Octacosane (C28)	16.496	430362	2.587 ug/ml
17) T n-Tricontane (C30)	17.379	436965	2.546 ug/ml
18) T n-Dotriacontane (C32)	18.207	433125	2.649 ug/ml
19) T n-Tetratriacontane (C34)	18.988	397838	2.856 ug/ml
20) T n-Hexatriacontane (C36)	19.726	362651	3.154 ug/ml
21) T n-Octatriacontane (C38)	20.425	335117	3.234 ug/ml
22) T n-Tetracontane (C40)	21.212	308880	3.223 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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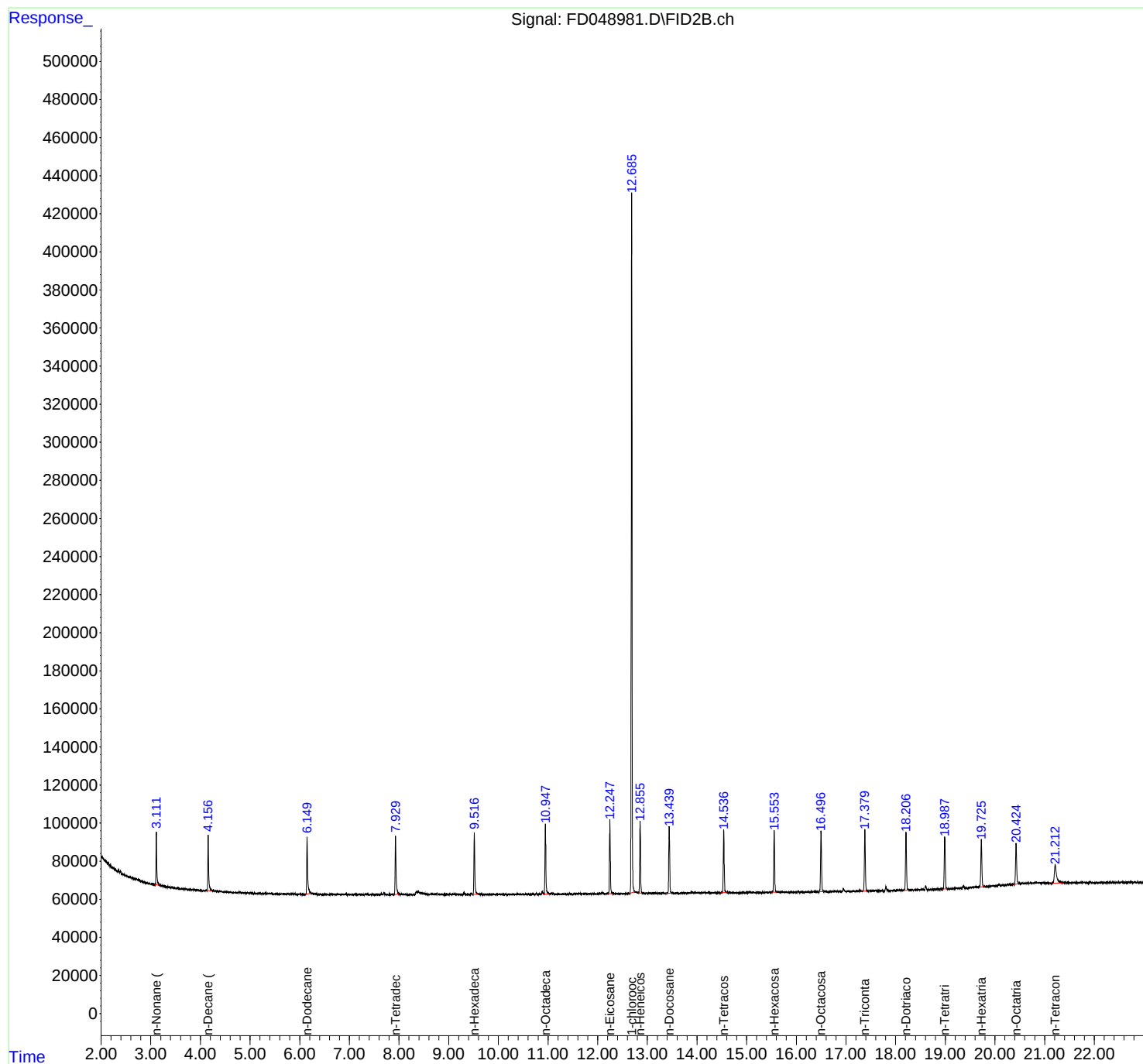
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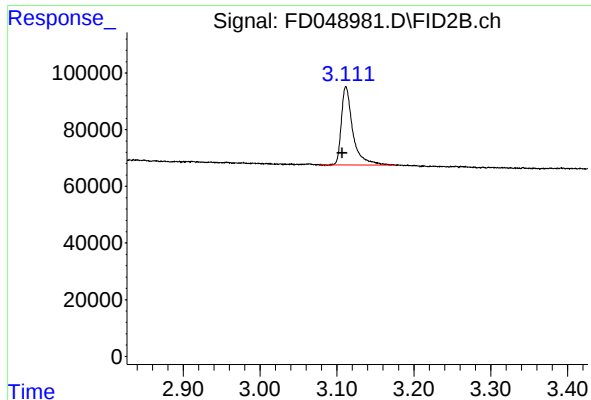
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#1 n-Nonane (C9)

R.T.: 3.112 min
Delta R.T.: 0.005 min
Response: 286509
Conc: 1.79 ug/ml

Instrument :

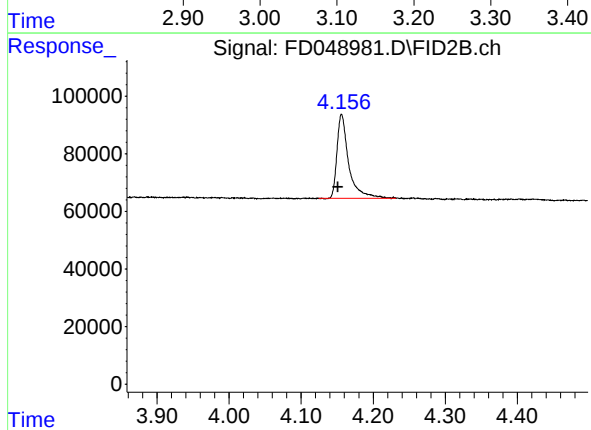
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ClientSampleId :

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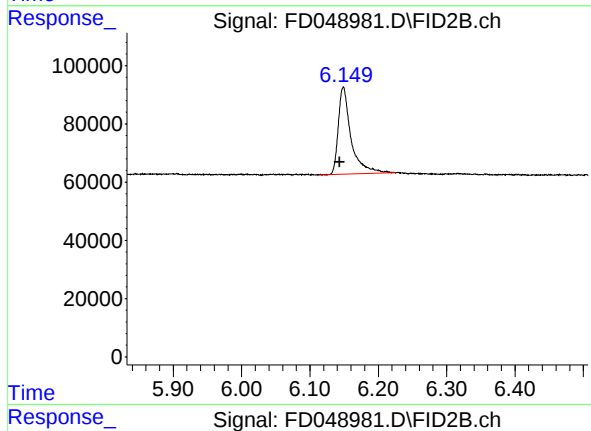
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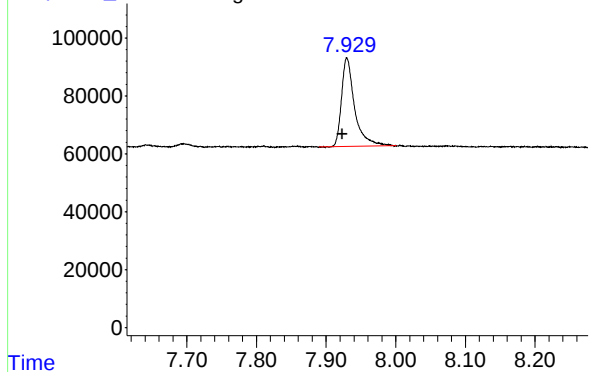
#2 n-Decane (C10)

R.T.: 4.156 min
Delta R.T.: 0.005 min
Response: 329572
Conc: 2.02 ug/ml



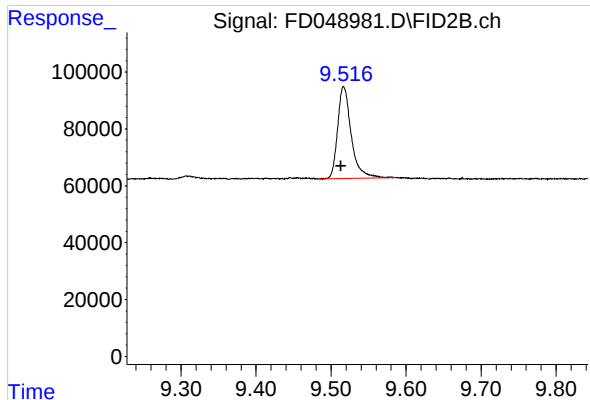
#4 n-Dodecane (C12)

R.T.: 6.149 min
Delta R.T.: 0.006 min
Response: 387789
Conc: 2.34 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.930 min
Delta R.T.: 0.007 min
Response: 400021
Conc: 2.42 ug/ml



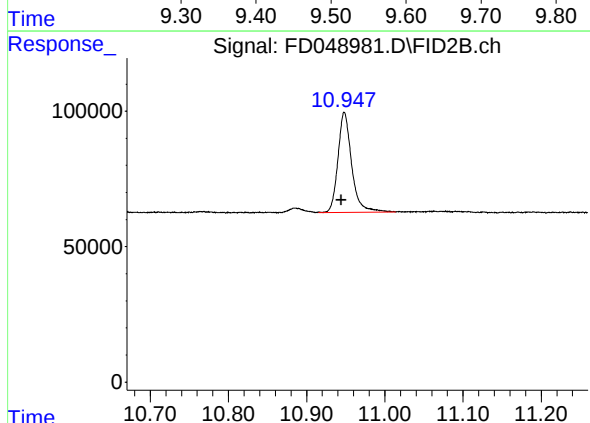
#7 n-Hexadecane (C16)

R.T.: 9.517 min
Delta R.T.: 0.004 min
Response: 407176
Conc: 2.36 ug/ml

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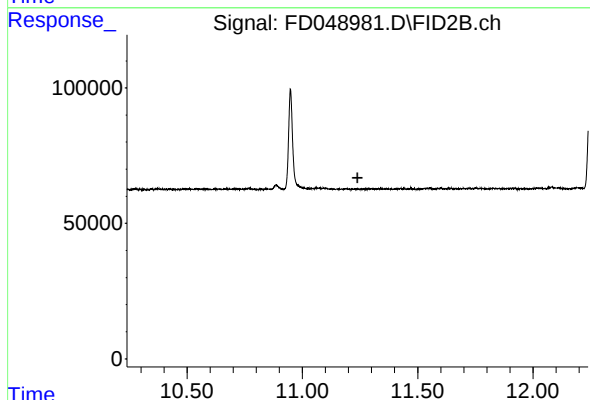
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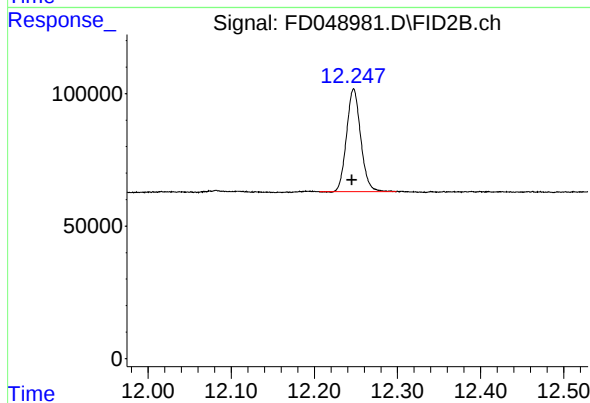
#8 n-Octadecane (C18)

R.T.: 10.948 min
Delta R.T.: 0.004 min
Response: 449717
Conc: 2.55 ug/ml



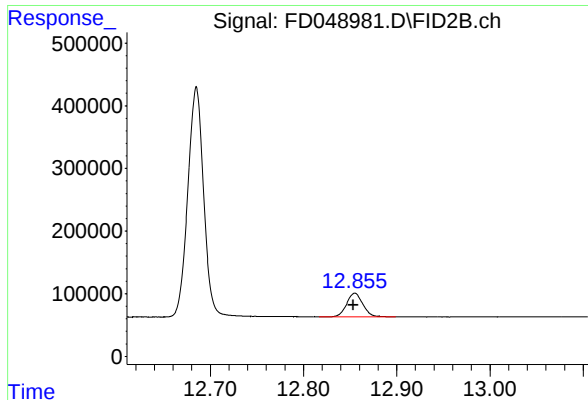
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.247 min
Delta R.T.: 0.002 min
Response: 461348
Conc: 2.68 ug/ml



#11 n-Heneicosane (C21)

R.T.: 12.855 min
Delta R.T.: 0.002 min
Response: 453644
Conc: 2.66 ug/ml

Instrument :

FID_D

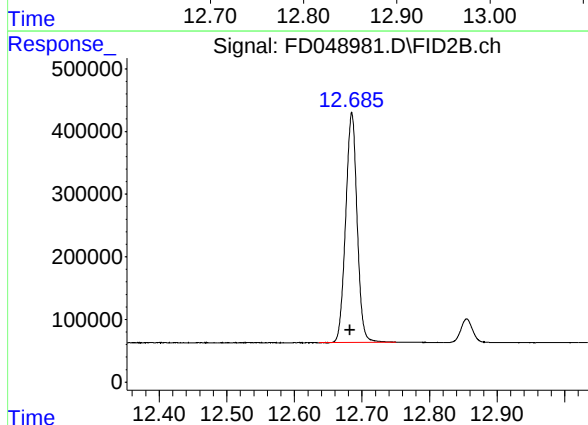
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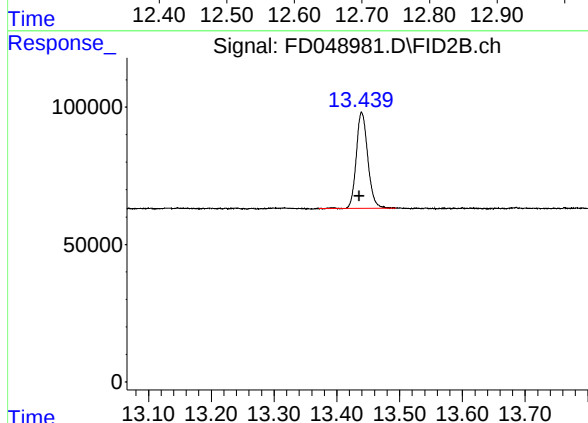
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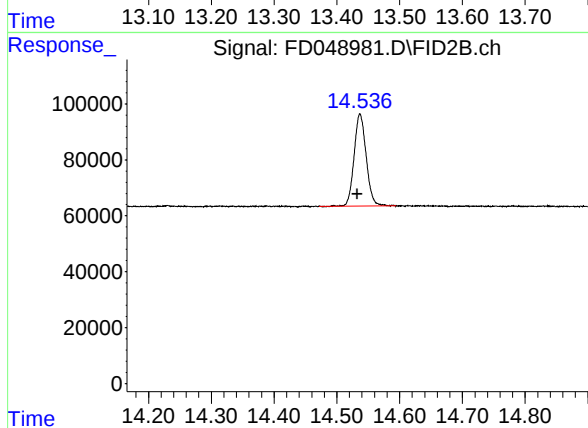
#12 1-chlorooctadecane (SURR)

R.T.: 12.685 min
Delta R.T.: 0.003 min
Response: 4309001
Conc: 29.36 ug/ml



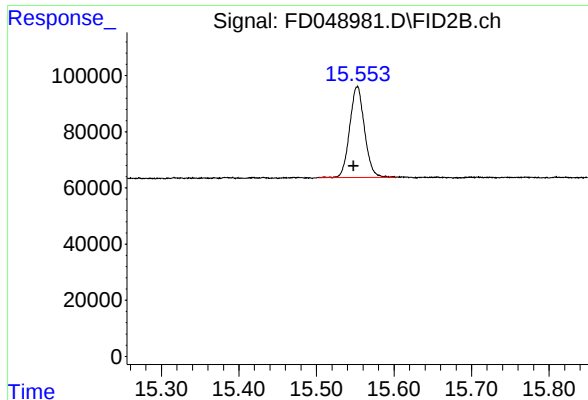
#13 n-Docosane (C22)

R.T.: 13.440 min
Delta R.T.: 0.004 min
Response: 446465
Conc: 2.63 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.537 min
Delta R.T.: 0.004 min
Response: 441834
Conc: 2.59 ug/ml



#15 n-Hexacosane (C26)

R.T.: 15.553 min
Delta R.T.: 0.005 min
Response: 431398
Conc: 2.58 ug/ml

Instrument :

FID_D

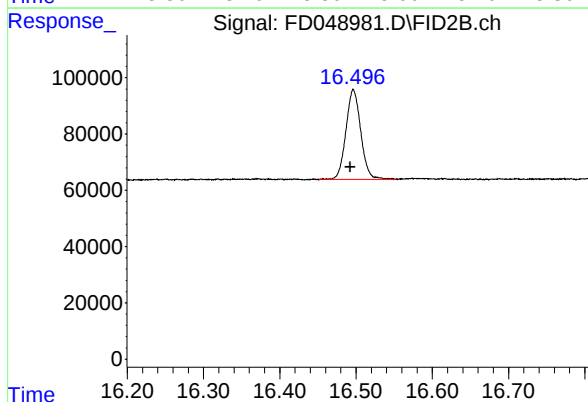
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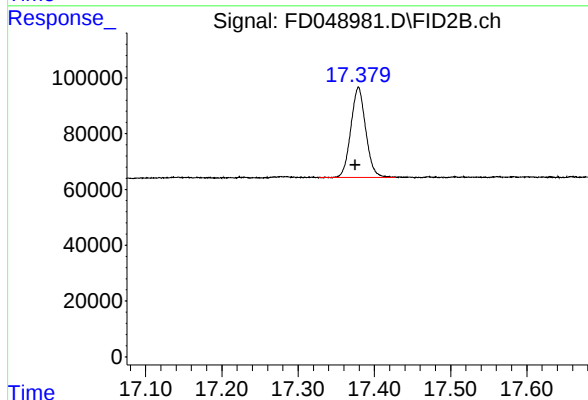
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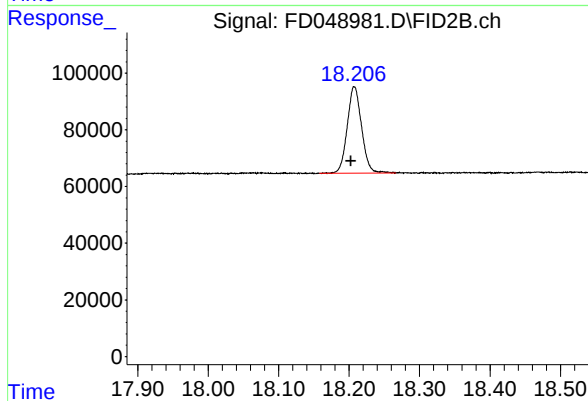
#16 n-Octacosane (C28)

R.T.: 16.496 min
Delta R.T.: 0.004 min
Response: 430362
Conc: 2.59 ug/ml



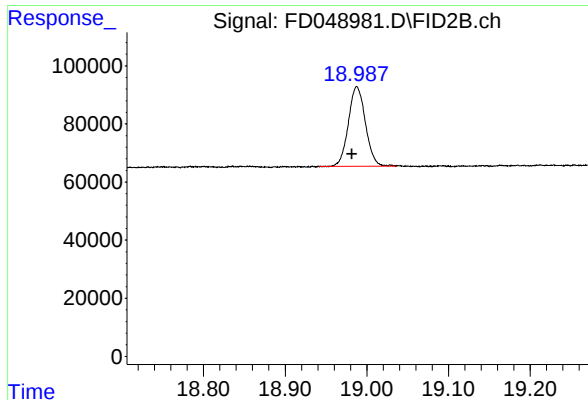
#17 n-Tricontane (C30)

R.T.: 17.379 min
Delta R.T.: 0.004 min
Response: 436965
Conc: 2.55 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.207 min
Delta R.T.: 0.005 min
Response: 433125
Conc: 2.65 ug/ml



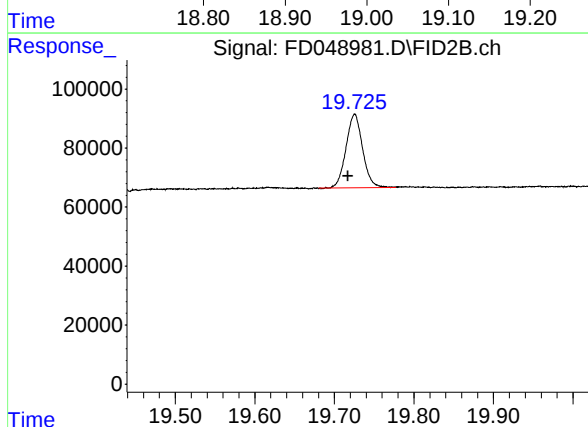
#19 n-Tetratriacontane (C34)

R.T.: 18.988 min
Delta R.T.: 0.006 min
Response: 397838
Conc: 2.86 ug/ml

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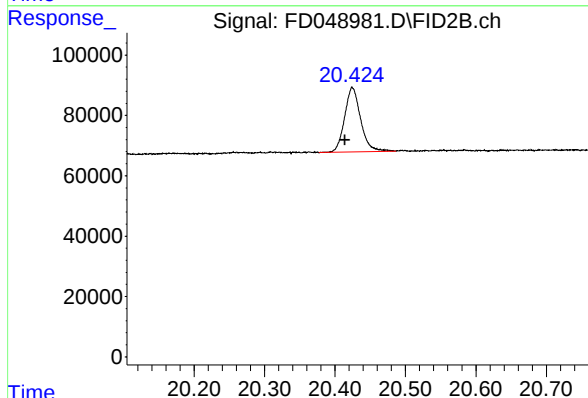
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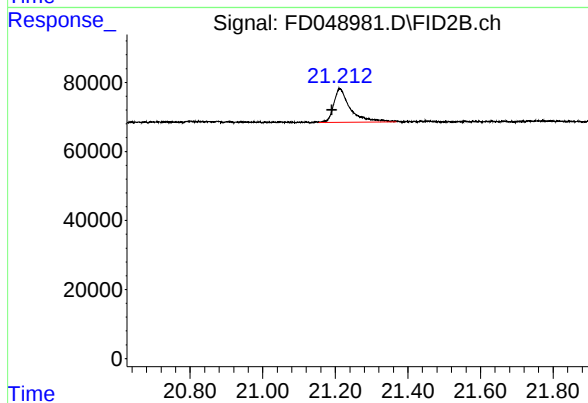
#20 n-Hexatriacontane (C36)

R.T.: 19.726 min
Delta R.T.: 0.009 min
Response: 362651
Conc: 3.15 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.425 min
Delta R.T.: 0.010 min
Response: 335117
Conc: 3.23 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.212 min
Delta R.T.: 0.022 min
Response: 308880
Conc: 3.22 ug/ml m