

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AL\
 Data File : FD048980.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 01:30
 Operator : YP/AJ
 Sample : Q1168-07
 Misc : 2.5 PPM WATER LOD
 ALS Vial : 14 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 04:09:08 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...	12.687	5744161	39.134 ug/ml
Spiked Amount 50.000		Recovery =	78.27%
Target Compounds			
1) T n-Nonane (C9)	3.113	215552	1.348 ug/ml
2) T n-Decane (C10)	4.157	249112	1.528 ug/ml
4) T n-Dodecane (C12)	6.149	297581	1.797 ug/ml
6) T n-Tetradecane (C14)	7.931	303076	1.833 ug/ml
7) T n-Hexadecane (C16)	9.519	298888	1.733 ug/ml
8) T n-Octadecane (C18)	10.949	340126	1.929 ug/ml
10) T n-Eicosane (C20)	12.249	354249	2.058 ug/mlm
11) T n-Heneicosane (C21)	12.855	339068	1.991 ug/ml
13) T n-Docosane (C22)	13.442	346051	2.035 ug/ml
14) T n-Tetracosane (C24)	14.539	339486	1.993 ug/ml
15) T n-Hexacosane (C26)	15.554	340194	2.031 ug/ml
16) T n-Octacosane (C28)	16.497	338448	2.035 ug/ml
17) T n-Tricontane (C30)	17.380	339071	1.975 ug/ml
18) T n-Dotriacontane (C32)	18.209	336196	2.056 ug/ml
19) T n-Tetratriacontane (C34)	18.990	298645	2.144 ug/ml
20) T n-Hexatriacontane (C36)	19.728	272517	2.370 ug/ml
21) T n-Octatriacontane (C38)	20.427	246150	2.376 ug/ml
22) T n-Tetracontane (C40)	21.215	210508	2.196 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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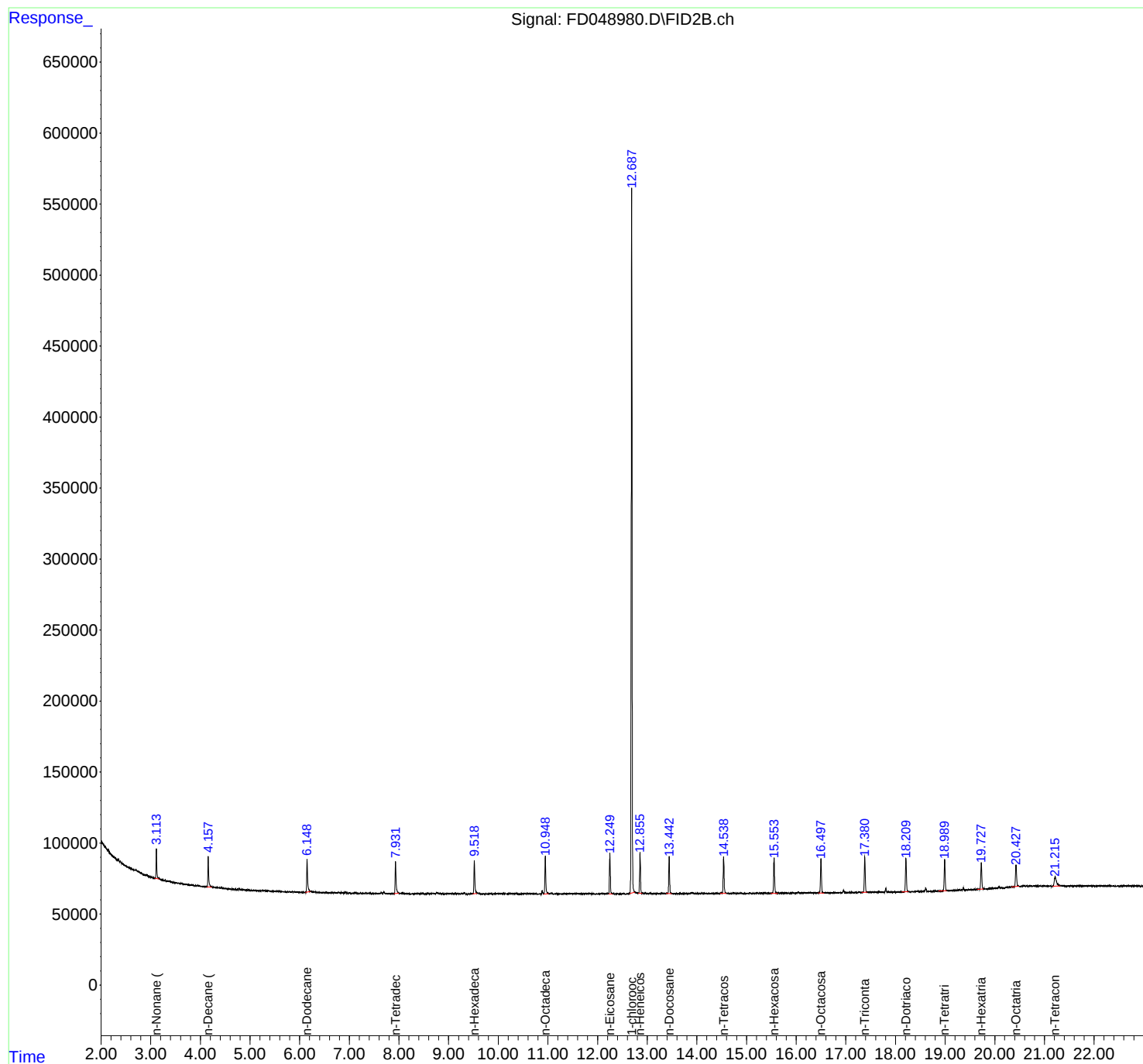
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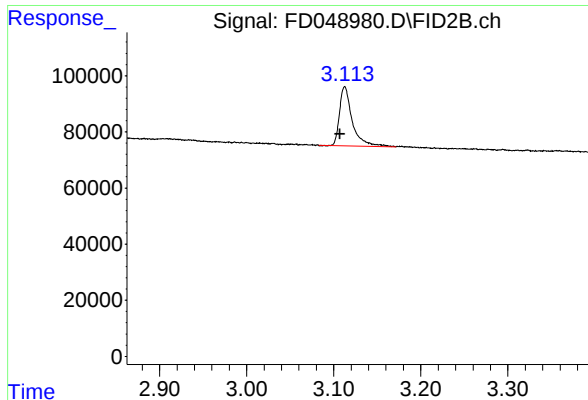
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#1 n-Nonane (C9)

R.T.: 3.113 min
Delta R.T.: 0.006 min
Response: 215552
Conc: 1.35 ug/ml

Instrument :

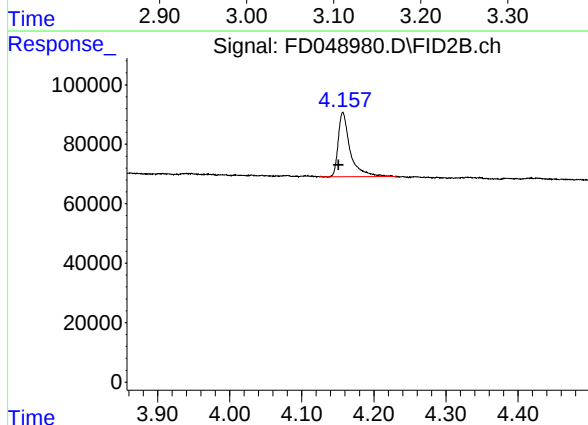
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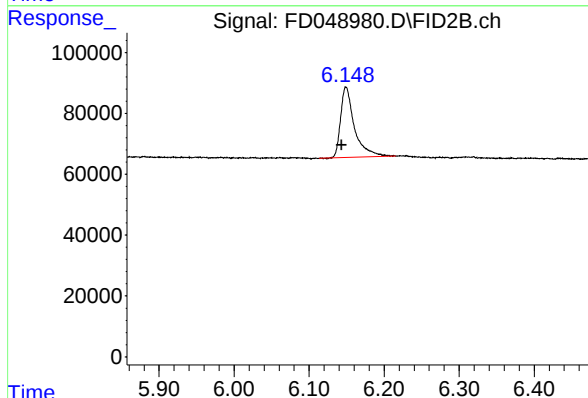
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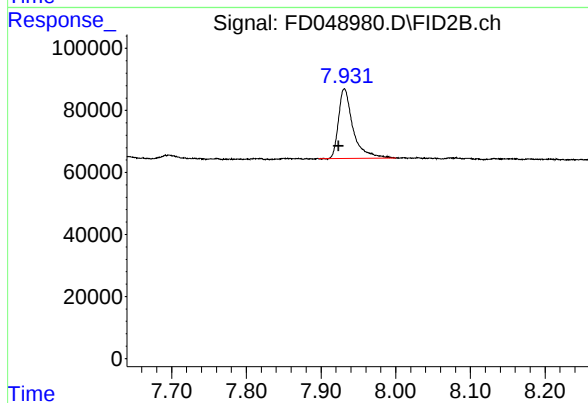
#2 n-Decane (C10)

R.T.: 4.157 min
Delta R.T.: 0.006 min
Response: 249112
Conc: 1.53 ug/ml



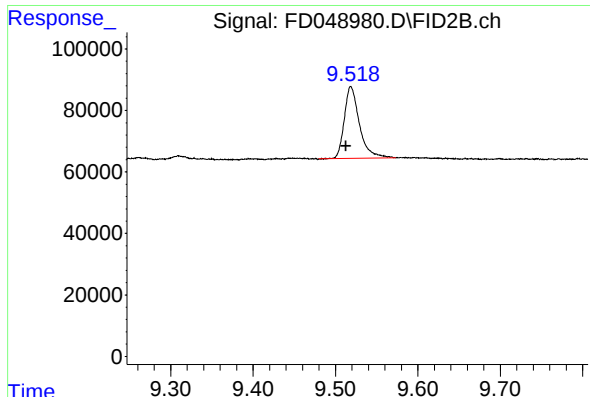
#4 n-Dodecane (C12)

R.T.: 6.149 min
Delta R.T.: 0.006 min
Response: 297581
Conc: 1.80 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.931 min
Delta R.T.: 0.008 min
Response: 303076
Conc: 1.83 ug/ml



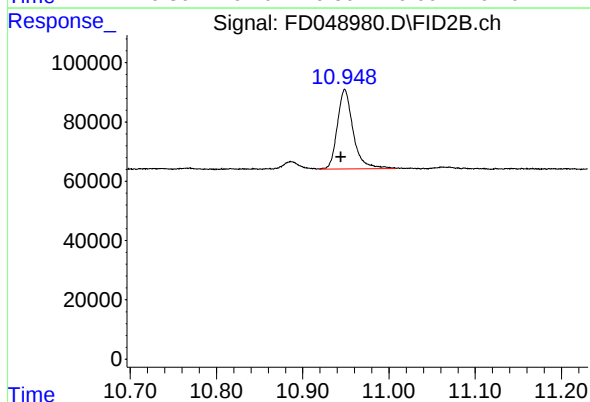
#7 n-Hexadecane (C16)

R.T.: 9.519 min
Delta R.T.: 0.006 min
Response: 298888
Conc: 1.73 ug/ml

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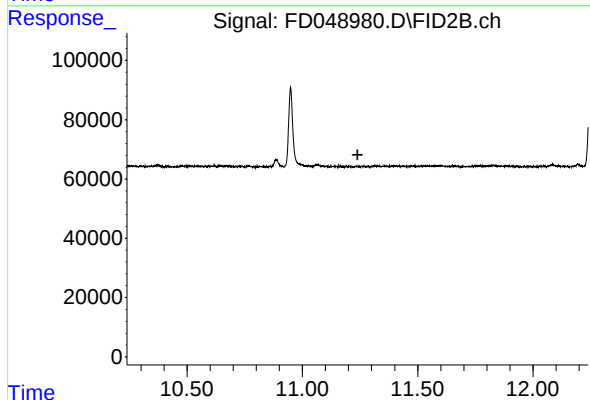
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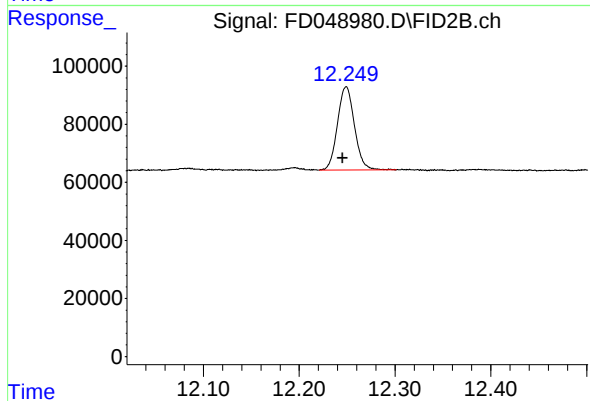
#8 n-Octadecane (C18)

R.T.: 10.949 min
Delta R.T.: 0.005 min
Response: 340126
Conc: 1.93 ug/ml



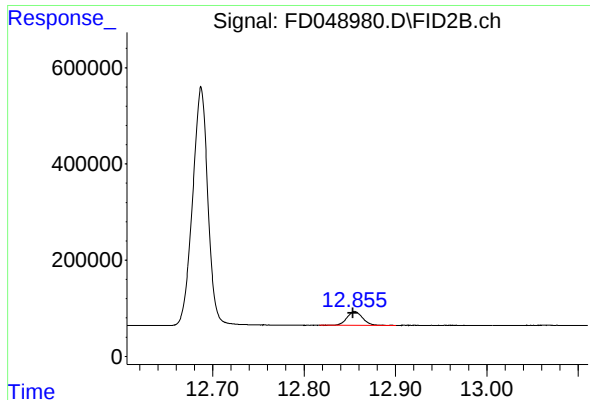
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.249 min
Delta R.T.: 0.003 min
Response: 354249
Conc: 2.06 ug/ml m



#11 n-Heneicosane (C21)

R.T.: 12.855 min
Delta R.T.: 0.002 min
Response: 339068
Conc: 1.99 ug/ml

Instrument :

FID_D

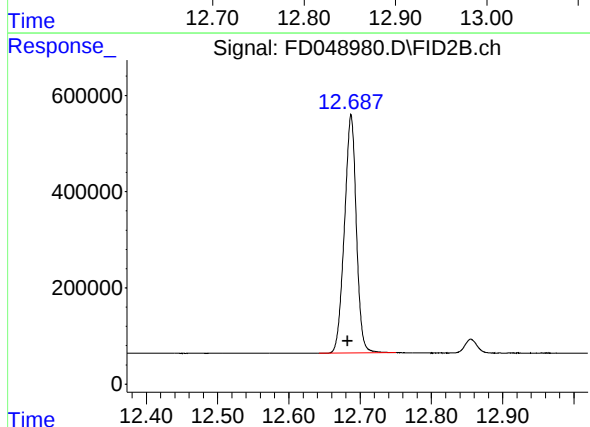
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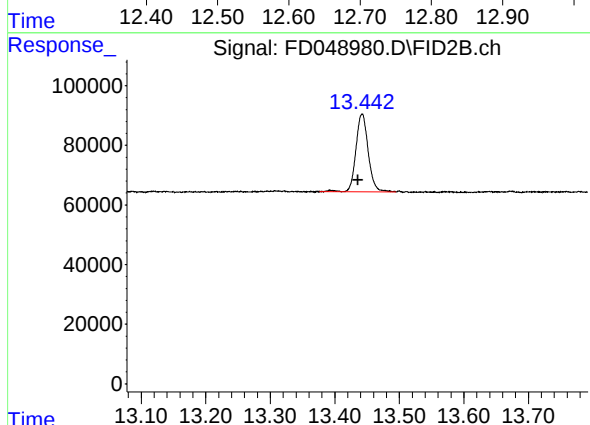
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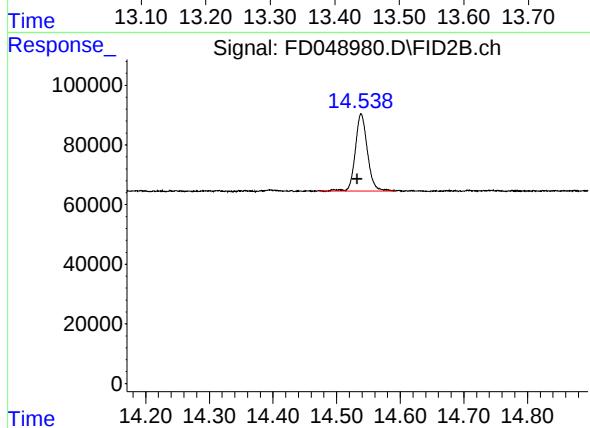
#12 1-chlorooctadecane (SURR)

R.T.: 12.687 min
Delta R.T.: 0.005 min
Response: 5744161
Conc: 39.13 ug/ml



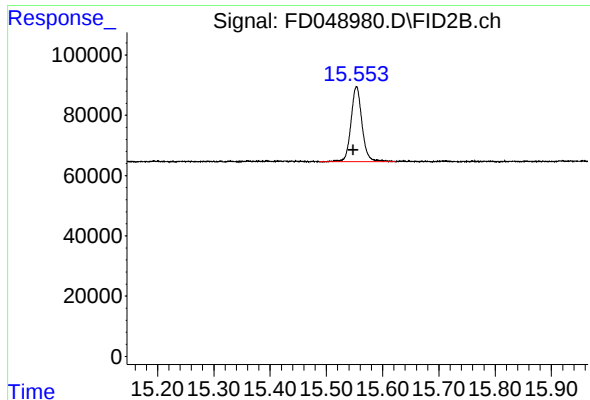
#13 n-Docosane (C22)

R.T.: 13.442 min
Delta R.T.: 0.006 min
Response: 346051
Conc: 2.04 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.539 min
Delta R.T.: 0.006 min
Response: 339486
Conc: 1.99 ug/ml



#15 n-Hexacosane (C26)

R.T.: 15.554 min
Delta R.T.: 0.006 min
Response: 340194
Conc: 2.03 ug/ml

Instrument :

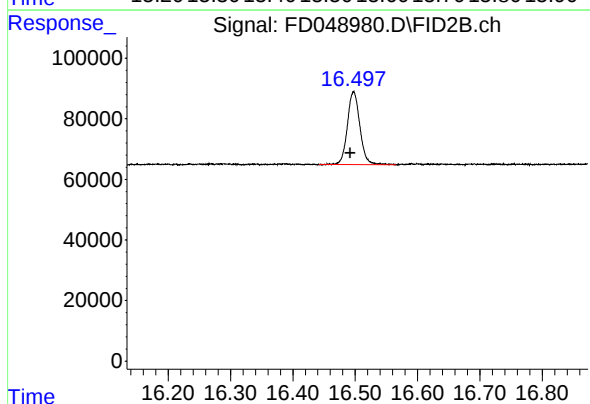
FID_D

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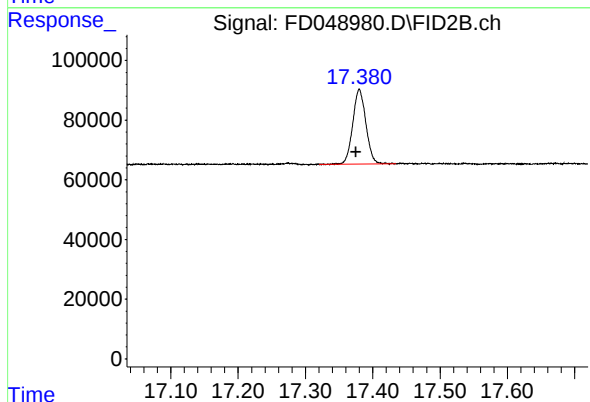
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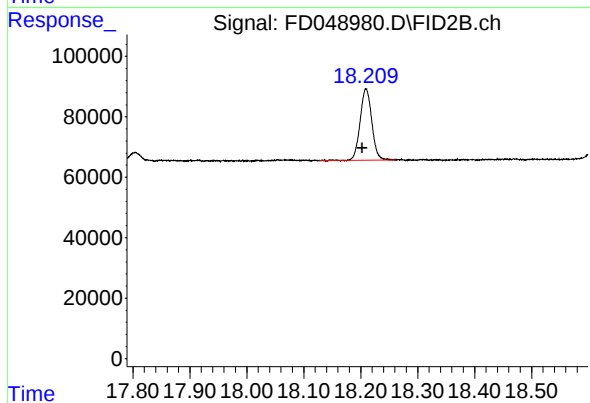
#16 n-Octacosane (C28)

R.T.: 16.497 min
Delta R.T.: 0.005 min
Response: 338448
Conc: 2.03 ug/ml



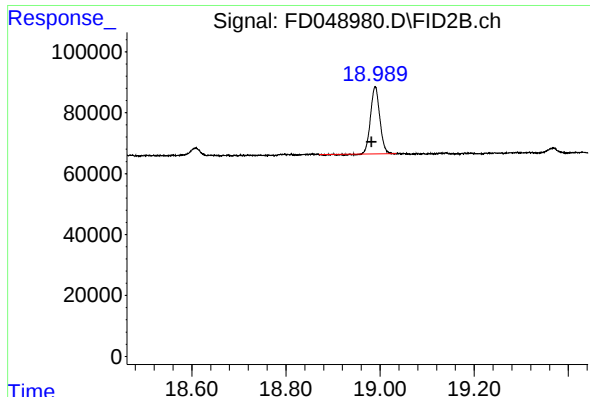
#17 n-Tricontane (C30)

R.T.: 17.380 min
Delta R.T.: 0.005 min
Response: 339071
Conc: 1.98 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.209 min
Delta R.T.: 0.007 min
Response: 336196
Conc: 2.06 ug/ml



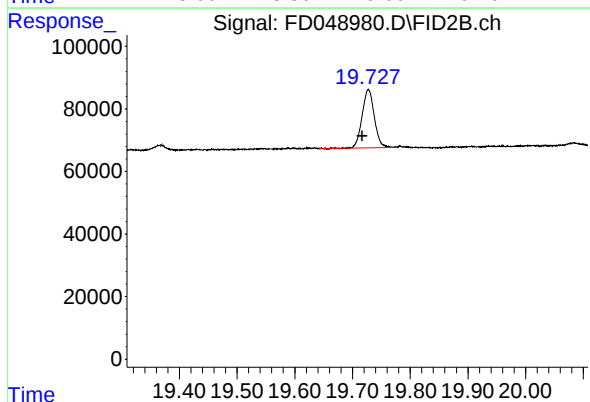
#19 n-Tetratriacontane (C34)

R.T.: 18.990 min
Delta R.T.: 0.008 min
Response: 298645
Conc: 2.14 ug/ml

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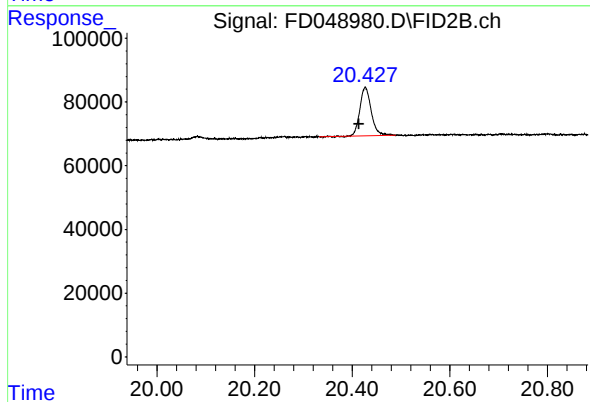
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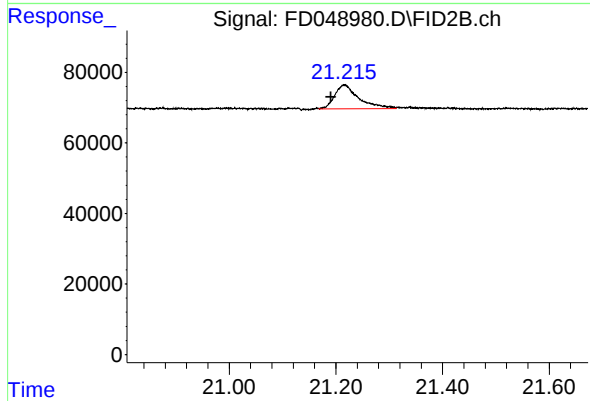
#20 n-Hexatriacontane (C36)

R.T.: 19.728 min
Delta R.T.: 0.011 min
Response: 272517
Conc: 2.37 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.427 min
Delta R.T.: 0.013 min
Response: 246150
Conc: 2.38 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.215 min
Delta R.T.: 0.025 min
Response: 210508
Conc: 2.20 ug/ml m