

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AL\
 Data File : FD048982.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 02:43
 Operator : YP/AJ
 Sample : Q1168-08
 Misc : 5 PPM WATER LOQ
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOQ-WATER-02-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 04:09:28 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	5586256	38.058 ug/ml
Spiked Amount 50.000		Recovery =	76.12%
Target Compounds			
1) T n-Nonane (C9)	3.110	412074	2.577 ug/ml
2) T n-Decane (C10)	4.155	481562	2.953 ug/ml
4) T n-Dodecane (C12)	6.147	549011	3.315 ug/ml
6) T n-Tetradecane (C14)	7.927	596052	3.605 ug/ml
7) T n-Hexadecane (C16)	9.516	607386	3.523 ug/ml
8) T n-Octadecane (C18)	10.946	673382	3.819 ug/ml
10) T n-Eicosane (C20)	12.247	707177	4.109 ug/mlm
11) T n-Heneicosane (C21)	12.855	677430	3.978 ug/ml
13) T n-Docosane (C22)	13.439	668648	3.932 ug/ml
14) T n-Tetracosane (C24)	14.536	671982	3.944 ug/ml
15) T n-Hexacosane (C26)	15.551	668261	3.990 ug/ml
16) T n-Octacosane (C28)	16.496	657135	3.950 ug/ml
17) T n-Tricontane (C30)	17.378	667331	3.888 ug/ml
18) T n-Dotriacontane (C32)	18.208	659171	4.032 ug/ml
19) T n-Tetratriacontane (C34)	18.987	628539	4.512 ug/ml
20) T n-Hexatriacontane (C36)	19.724	563643	4.902 ug/ml
21) T n-Octatriacontane (C38)	20.423	529126	5.106 ug/ml
22) T n-Tetracontane (C40)	21.208	461403	4.814 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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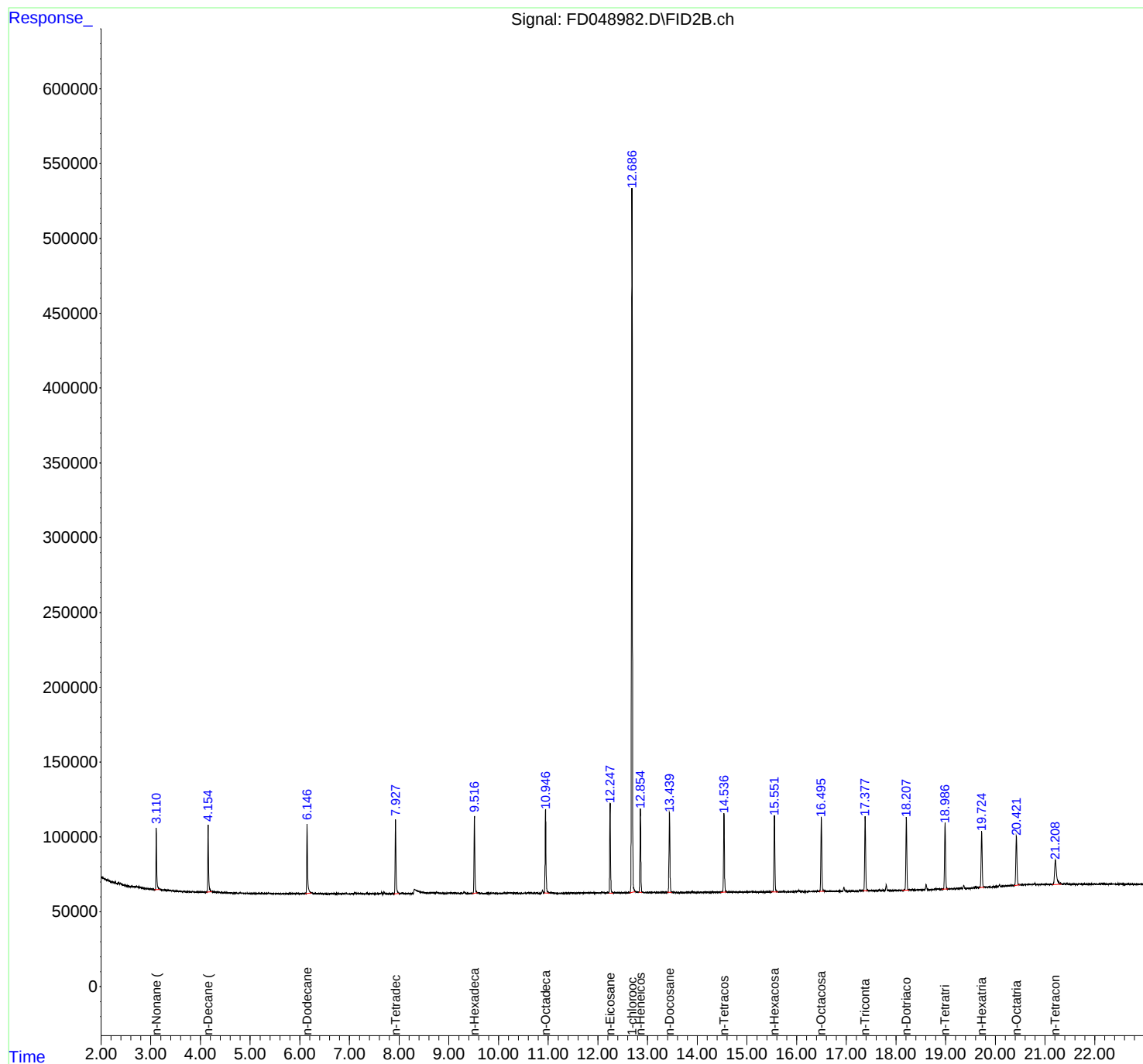
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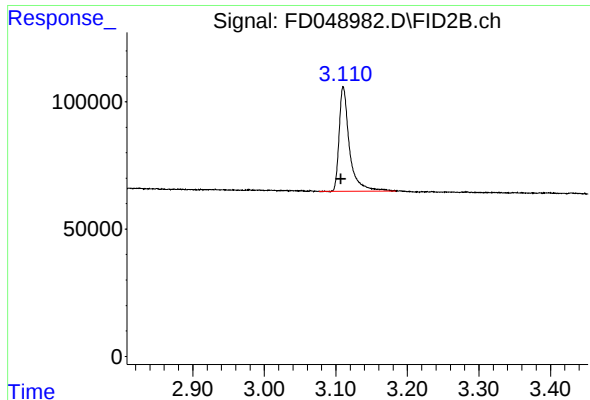
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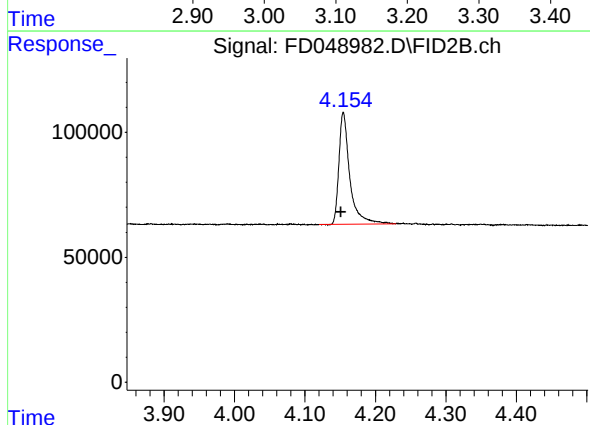
#1 n-Nonane (C9)

R.T.: 3.110 min
Delta R.T.: 0.003 min
Response: 412074
Conc: 2.58 ug/ml

Instrument :
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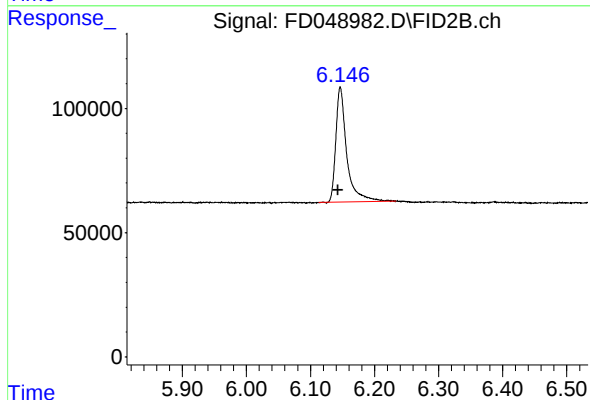
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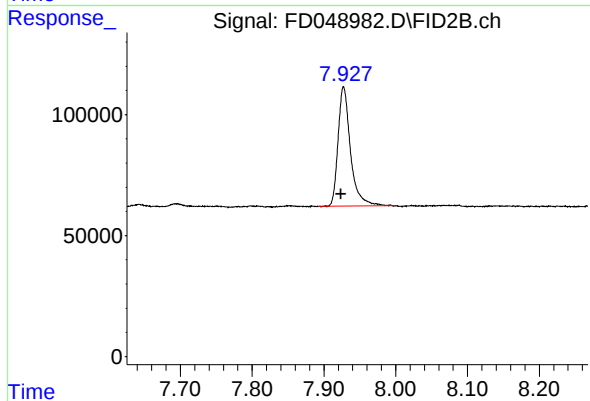
#2 n-Decane (C10)

R.T.: 4.155 min
Delta R.T.: 0.004 min
Response: 481562
Conc: 2.95 ug/ml



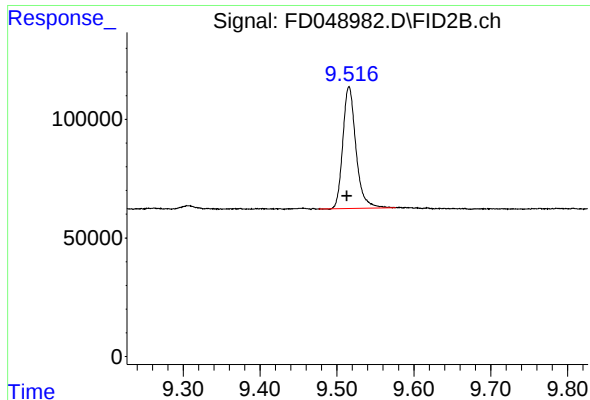
#4 n-Dodecane (C12)

R.T.: 6.147 min
Delta R.T.: 0.004 min
Response: 549011
Conc: 3.31 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.927 min
Delta R.T.: 0.004 min
Response: 596052
Conc: 3.61 ug/ml



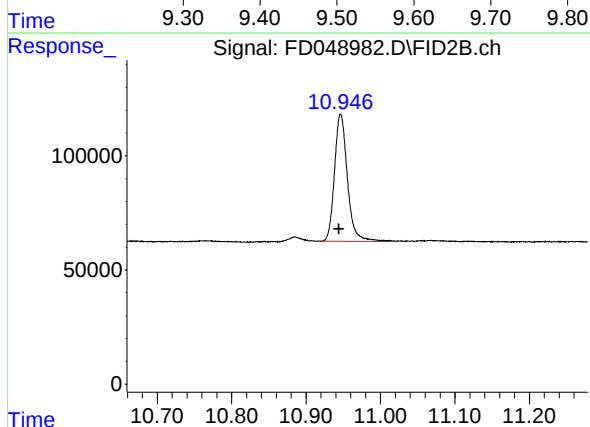
#7 n-Hexadecane (C16)

R.T.: 9.516 min
Delta R.T.: 0.003 min
Response: 607386
Conc: 3.52 ug/ml

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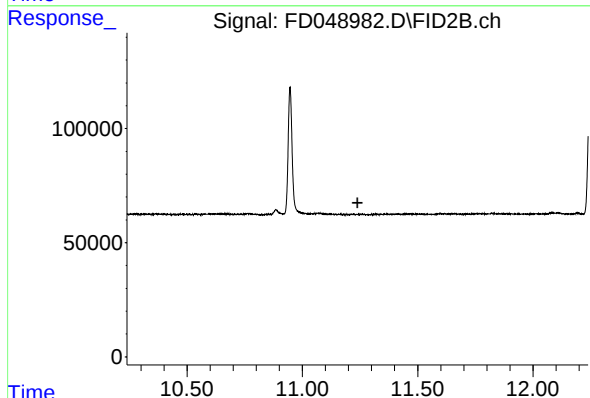
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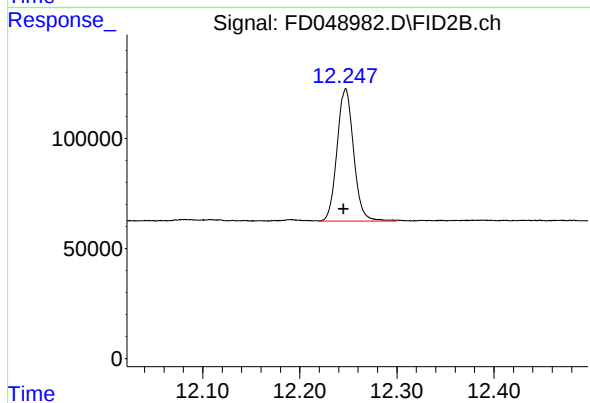
#8 n-Octadecane (C18)

R.T.: 10.946 min
Delta R.T.: 0.002 min
Response: 673382
Conc: 3.82 ug/ml



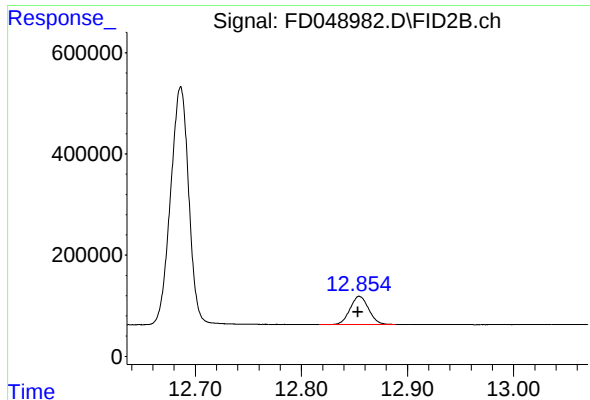
#9 ortho-Terphenyl (SURR)

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: 707177
Conc: 4.11 ug/ml m



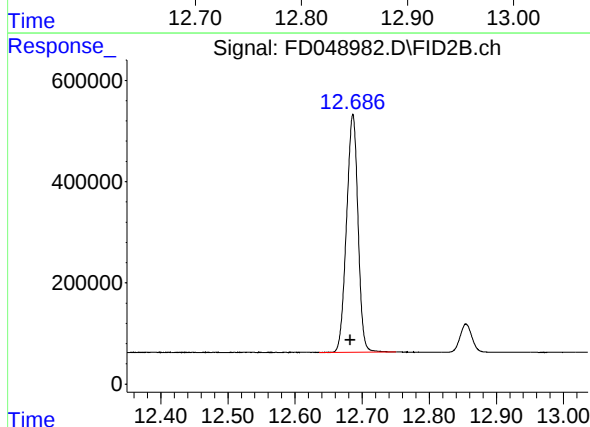
#11 n-Heneicosane (C21)

R.T.: 12.855 min
Delta R.T.: 0.001 min
Response: 677430
Conc: 3.98 ug/ml

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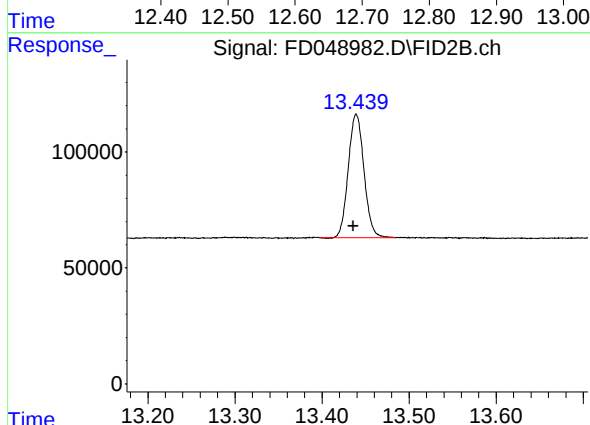
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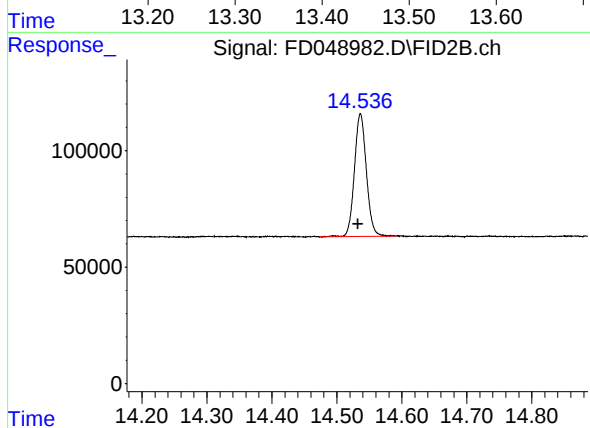
#12 1-chlorooctadecane (SURR)

R.T.: 12.686 min
Delta R.T.: 0.004 min
Response: 5586256
Conc: 38.06 ug/ml



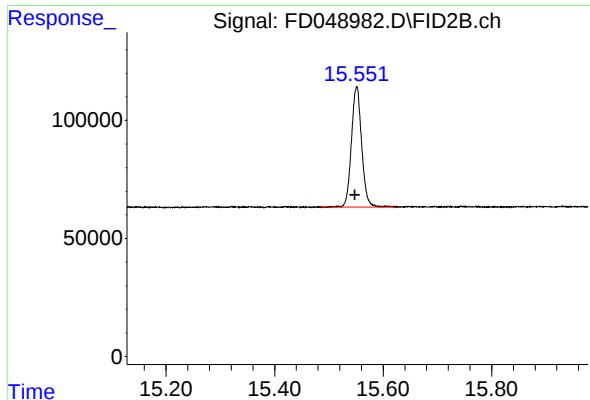
#13 n-Docosane (C22)

R.T.: 13.439 min
Delta R.T.: 0.003 min
Response: 668648
Conc: 3.93 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.536 min
Delta R.T.: 0.003 min
Response: 671982
Conc: 3.94 ug/ml



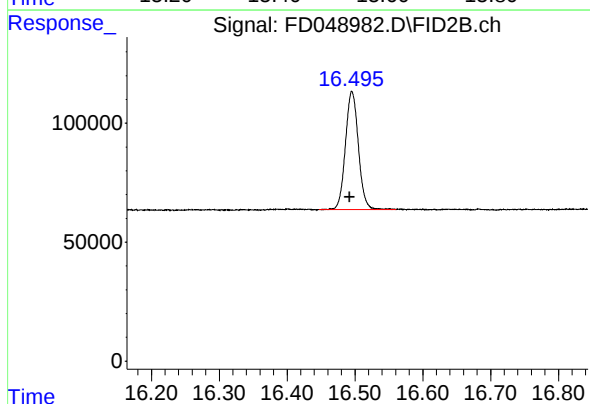
#15 n-Hexacosane (C26)

R.T.: 15.551 min
Delta R.T.: 0.003 min
Response: 668261
Conc: 3.99 ug/ml

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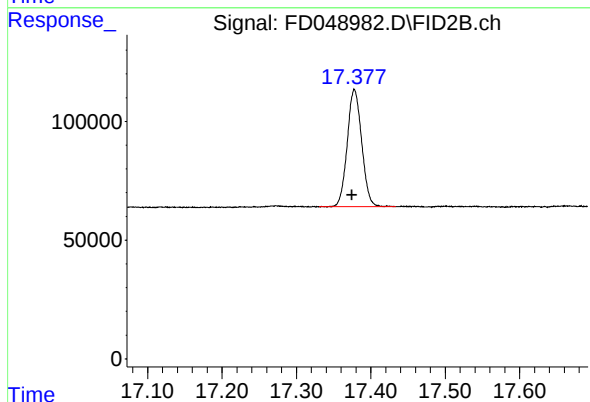
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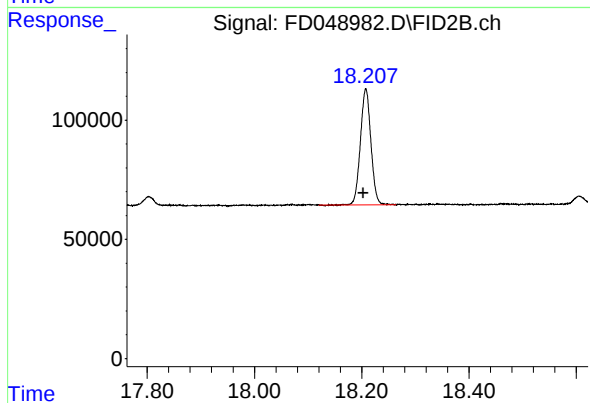
#16 n-Octacosane (C28)

R.T.: 16.496 min
Delta R.T.: 0.003 min
Response: 657135
Conc: 3.95 ug/ml



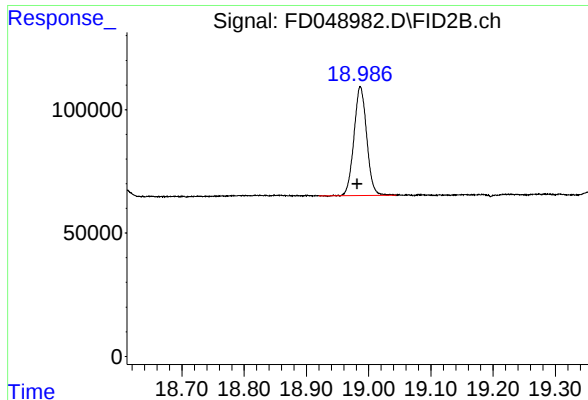
#17 n-Tricontane (C30)

R.T.: 17.378 min
Delta R.T.: 0.003 min
Response: 667331
Conc: 3.89 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.208 min
Delta R.T.: 0.005 min
Response: 659171
Conc: 4.03 ug/ml



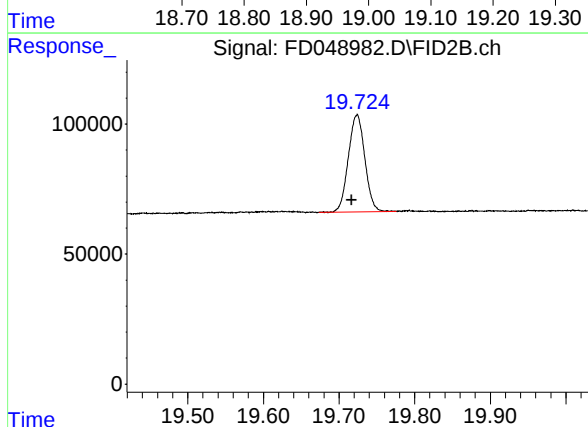
#19 n-Tetratriacontane (C34)

R.T.: 18.987 min
Delta R.T.: 0.005 min
Response: 628539
Conc: 4.51 ug/ml

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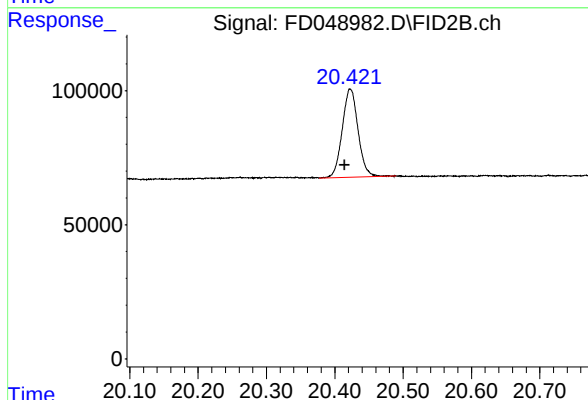
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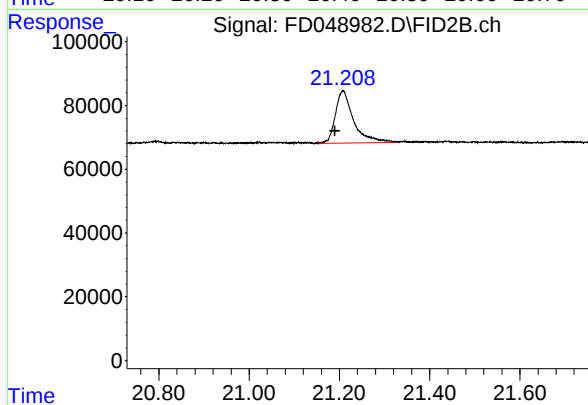
#20 n-Hexatriacontane (C36)

R.T.: 19.724 min
Delta R.T.: 0.007 min
Response: 563643
Conc: 4.90 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.423 min
Delta R.T.: 0.008 min
Response: 529126
Conc: 5.11 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.208 min
Delta R.T.: 0.017 min
Response: 461403
Conc: 4.81 ug/ml m