

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081022AL\
 Data File : FE036981.D
 Signal(s) : FID1B.ch
 Acq On : 10 Aug 2022 12:53
 Operator : YP\AJ
 Sample : N3980-07
 Misc : 2.5 PPM WATER LOD
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2022

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/10/2022
 Supervised By :Ankita Jodhani 08/11/2022

Integration File: sample.E
 Quant Time: Aug 10 13:17:40 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071722.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 18 02:35:21 2022
 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...	13.272	3568887	23.457 ug/ml
Spiked Amount 50.000		Recovery =	46.91%
Target Compounds			
1) T n-Nonane (C9)	3.221	211100	1.369 ug/ml
2) T n-Decane (C10)	4.475	258920	1.680 ug/ml
4) T n-Dodecane (C12)	6.643	341681	2.176 ug/ml
6) T n-Tetradecane (C14)	8.469	354520	2.172 ug/ml
7) T n-Hexadecane (C16)	10.075	297605	1.806 ug/ml
8) T n-Octadecane (C18)	11.517	318365	1.873 ug/ml
10) T n-Eicosane (C20)	12.826	326406	1.919 ug/ml
11) T n-Heneicosane (C21)	13.438	322605	1.885 ug/ml
13) T n-Docosane (C22)	14.024	317022	1.857 ug/ml
14) T n-Tetracosane (C24)	15.128	343452	2.015 ug/ml
15) T n-Hexacosane (C26)	16.149	304230	1.820 ug/ml
16) T n-Octacosane (C28)	17.099	300755	1.841 ug/ml
17) T n-Tricontane (C30)	17.990	306392	2.016 ug/ml
18) T n-Dotriacontane (C32)	18.822	314111	2.612 ug/ml
19) T n-Tetratriacontane (C34)	19.606	292478	3.512 ug/mlm
20) T n-Hexatriacontane (C36)	20.348	305666	5.206 ug/mlm
21) T n-Octatriacontane (C38)	21.073	287522	5.735 ug/mlm
22) T n-Tetracontane (C40)	21.952	318385	6.165 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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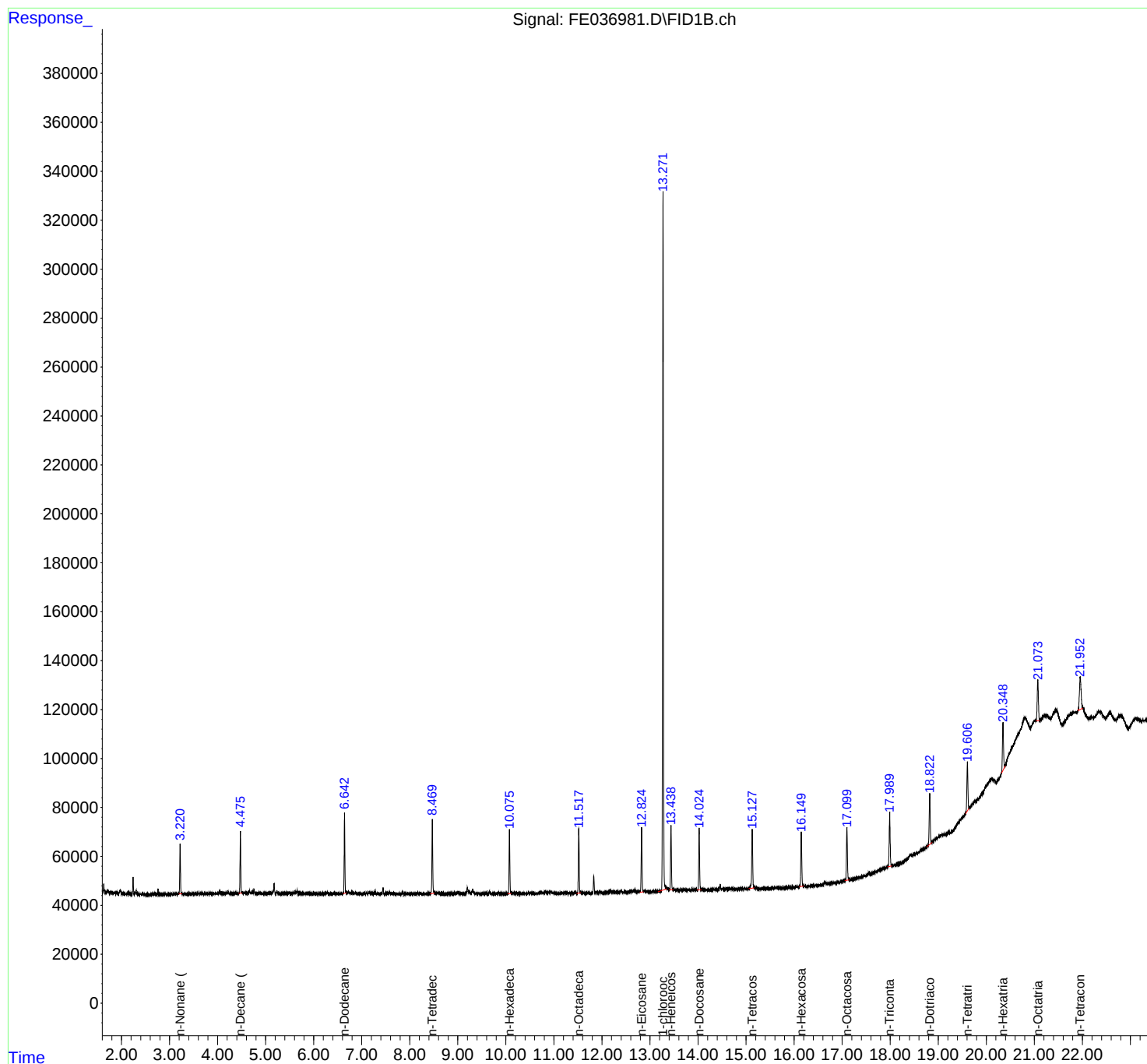
Instrument :
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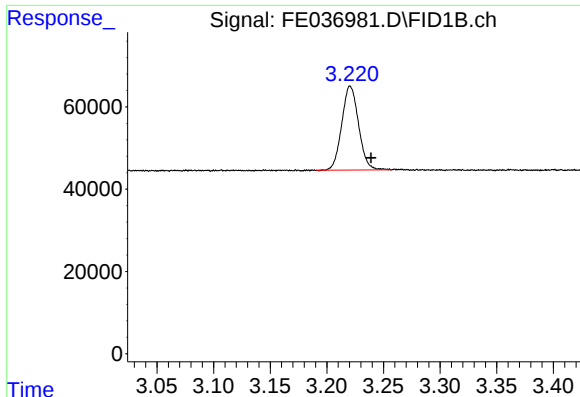
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Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.221 min
Delta R.T.: -0.018 min
Response: 211100
Conc: 1.37 ug/ml

Instrument :

FID_E

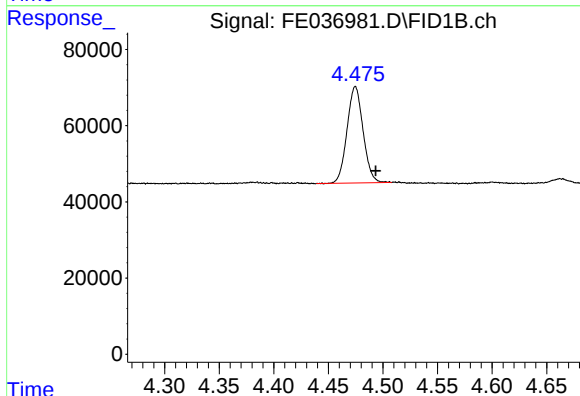
ClientSampleId :

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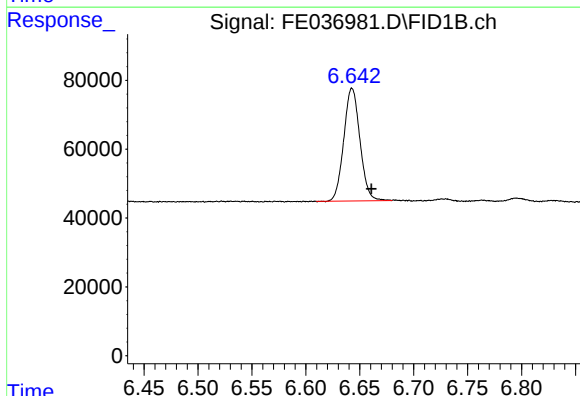
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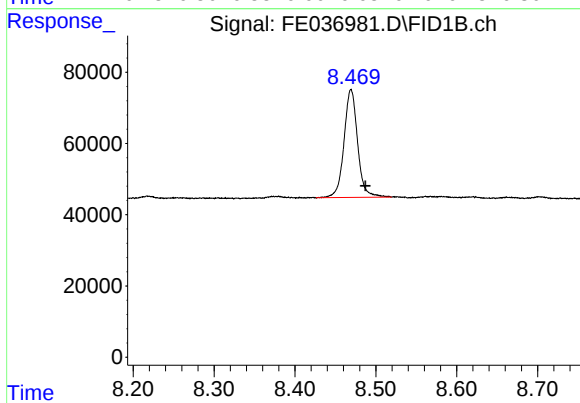
#2 n-Decane (C10)

R.T.: 4.475 min
Delta R.T.: -0.019 min
Response: 258920
Conc: 1.68 ug/ml



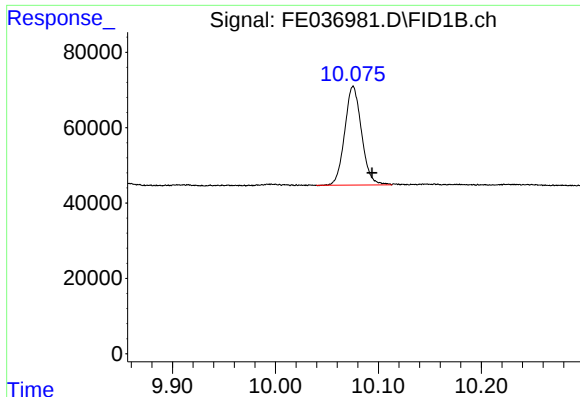
#4 n-Dodecane (C12)

R.T.: 6.643 min
Delta R.T.: -0.018 min
Response: 341681
Conc: 2.18 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.469 min
Delta R.T.: -0.018 min
Response: 354520
Conc: 2.17 ug/ml



#7 n-Hexadecane (C16)

R.T.: 10.075 min
Delta R.T.: -0.018 min
Response: 297605
Conc: 1.81 ug/ml

Instrument :

FID_E

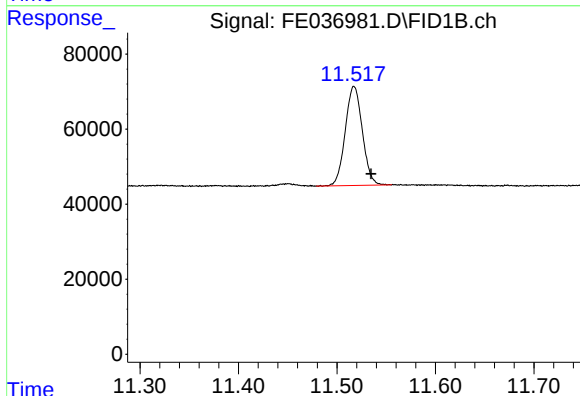
ClientSampleId :

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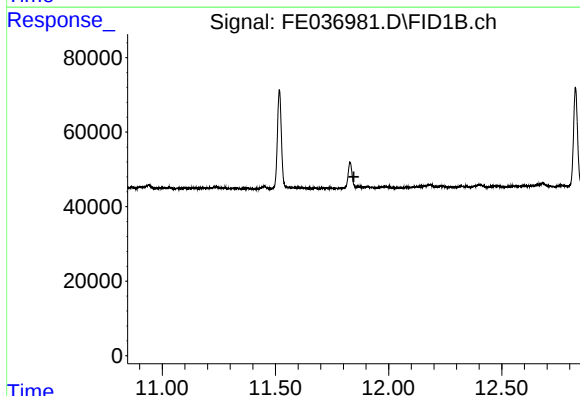
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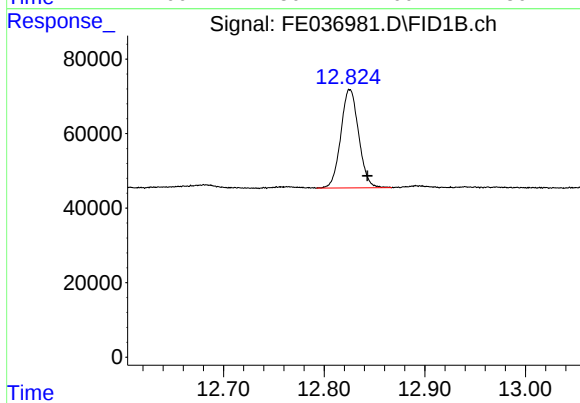
#8 n-Octadecane (C18)

R.T.: 11.517 min
Delta R.T.: -0.017 min
Response: 318365
Conc: 1.87 ug/ml



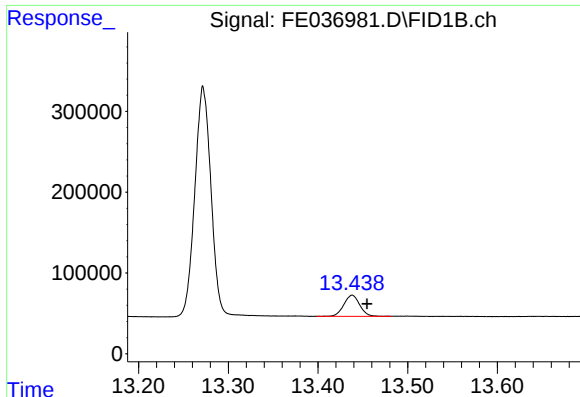
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.846 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.826 min
Delta R.T.: -0.018 min
Response: 326406
Conc: 1.92 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.438 min
Delta R.T.: -0.017 min
Response: 322605
Conc: 1.88 ug/ml

Instrument :

FID_E

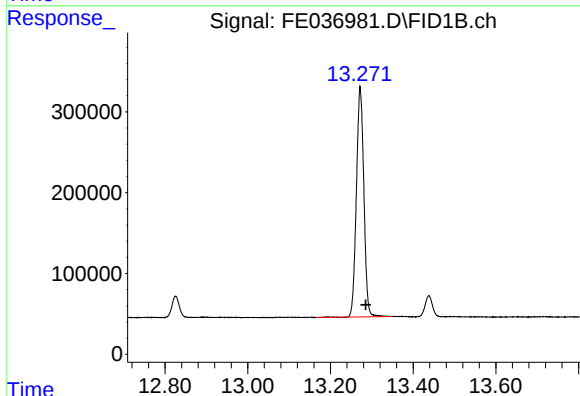
ClientSampleId :

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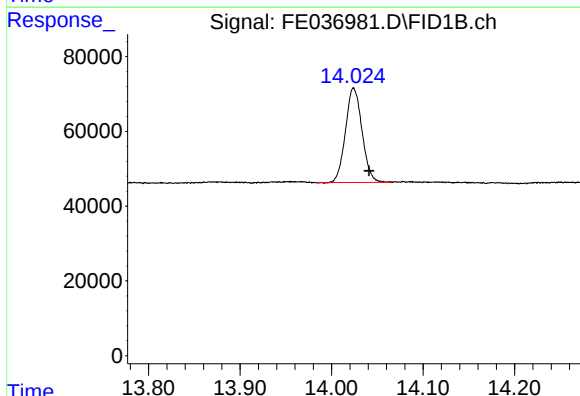
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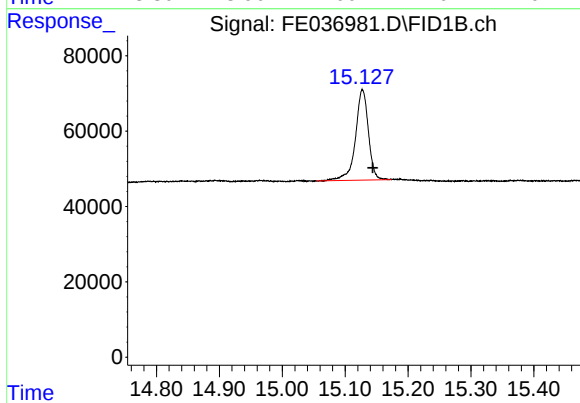
#12 1-chlorooctadecane (SURR)

R.T.: 13.272 min
Delta R.T.: -0.014 min
Response: 3568887
Conc: 23.46 ug/ml



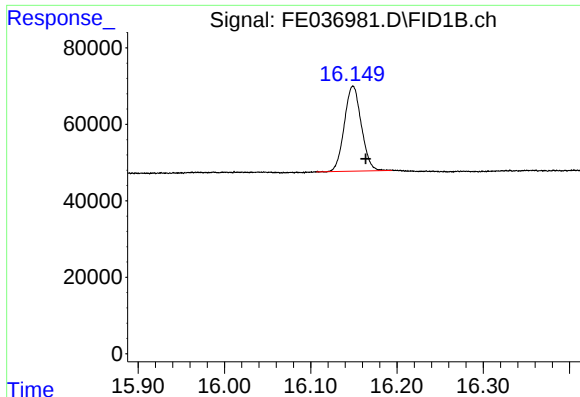
#13 n-Docosane (C22)

R.T.: 14.024 min
Delta R.T.: -0.017 min
Response: 317022
Conc: 1.86 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.128 min
Delta R.T.: -0.016 min
Response: 343452
Conc: 2.01 ug/ml



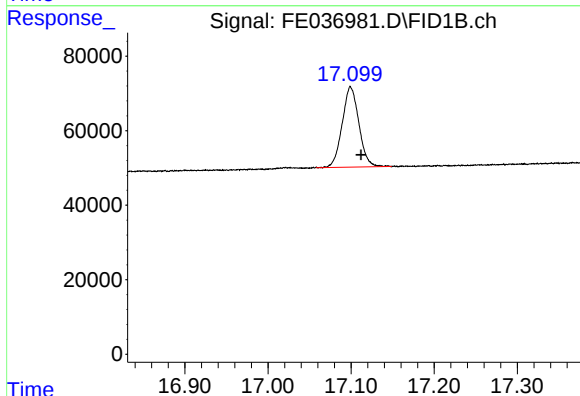
#15 n-Hexacosane (C26)

R.T.: 16.149 min
Delta R.T.: -0.015 min
Response: 304230
Conc: 1.82 ug/ml

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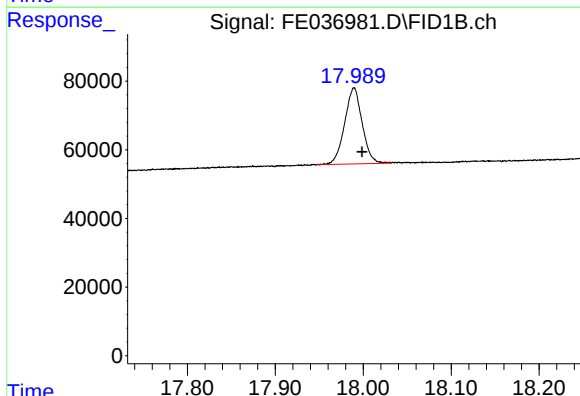
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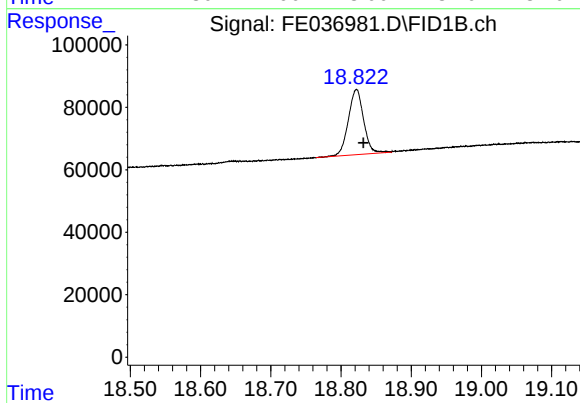
#16 n-Octacosane (C28)

R.T.: 17.099 min
Delta R.T.: -0.013 min
Response: 300755
Conc: 1.84 ug/ml



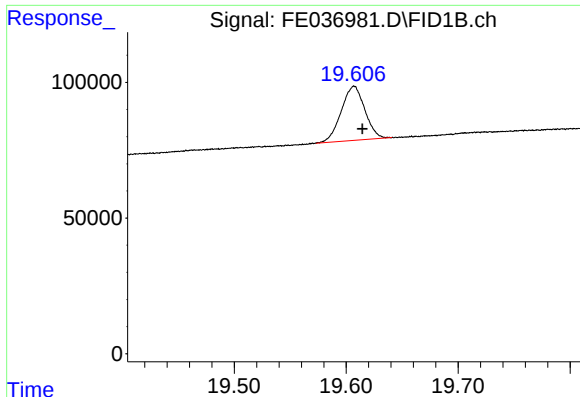
#17 n-Tricontane (C30)

R.T.: 17.990 min
Delta R.T.: -0.009 min
Response: 306392
Conc: 2.02 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.822 min
Delta R.T.: -0.010 min
Response: 314111
Conc: 2.61 ug/ml



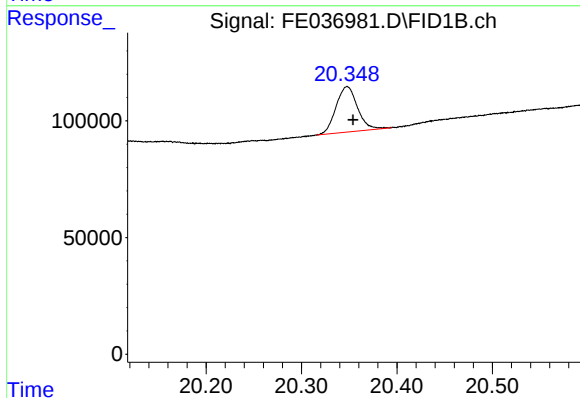
#19 n-Tetratriacontane (C34)

R.T.: 19.606 min
Delta R.T.: -0.008 min
Response: 292478
Conc: 3.51 ug/ml

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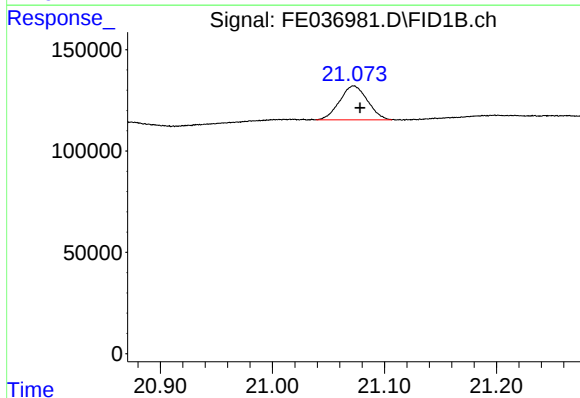
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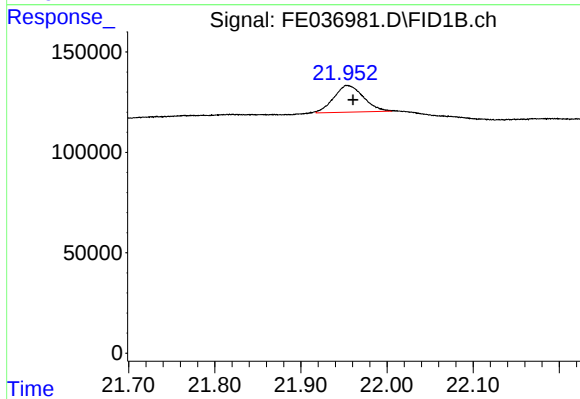
#20 n-Hexatriacontane (C36)

R.T.: 20.348 min
Delta R.T.: -0.006 min
Response: 305666
Conc: 5.21 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.073 min
Delta R.T.: -0.005 min
Response: 287522
Conc: 5.73 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.952 min
Delta R.T.: -0.009 min
Response: 318385
Conc: 6.17 ug/ml m