

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081022AL\
 Data File : FE036985.D
 Signal(s) : FID1B.ch
 Acq On : 10 Aug 2022 15:15
 Operator : YP\AJ
 Sample : N3980-02
 Misc : 5 PPM SOIL LOQ
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOQ-SOIL-02-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 15:50:28 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	5152429	33.865 ug/ml
Spiked Amount 50.000		Recovery =	67.73%
Target Compounds			
1) T n-Nonane (C9)	3.219	504152	3.270 ug/ml
2) T n-Decane (C10)	4.473	650477	4.220 ug/ml
4) T n-Dodecane (C12)	6.642	1030949	6.564 ug/ml
6) T n-Tetradecane (C14)	8.468	842253	5.159 ug/ml
7) T n-Hexadecane (C16)	10.074	799240	4.849 ug/ml
8) T n-Octadecane (C18)	11.516	855942	5.036 ug/ml
10) T n-Eicosane (C20)	12.825	916231	5.386 ug/ml
11) T n-Heneicosane (C21)	13.438	892677	5.216 ug/ml
13) T n-Docosane (C22)	14.023	1023476	5.995 ug/ml
14) T n-Tetracosane (C24)	15.126	1307141	7.668 ug/ml
15) T n-Hexacosane (C26)	16.149	1301764	7.786 ug/ml
16) T n-Octacosane (C28)	17.099	1514412	9.272 ug/ml
17) T n-Tricontane (C30)	17.989	1710426	11.256 ug/ml
18) T n-Dotriacontane (C32)	18.823	1652458	13.740 ug/ml
19) T n-Tetratriacontane (C34)	19.604	1276397	15.327 ug/ml
20) T n-Hexatriacontane (C36)	20.347	997640	16.991 ug/ml
21) T n-Octatriacontane (C38)	21.069	840404	16.762 ug/mlm
22) T n-Tetracontane (C40)	21.953	764355	14.801 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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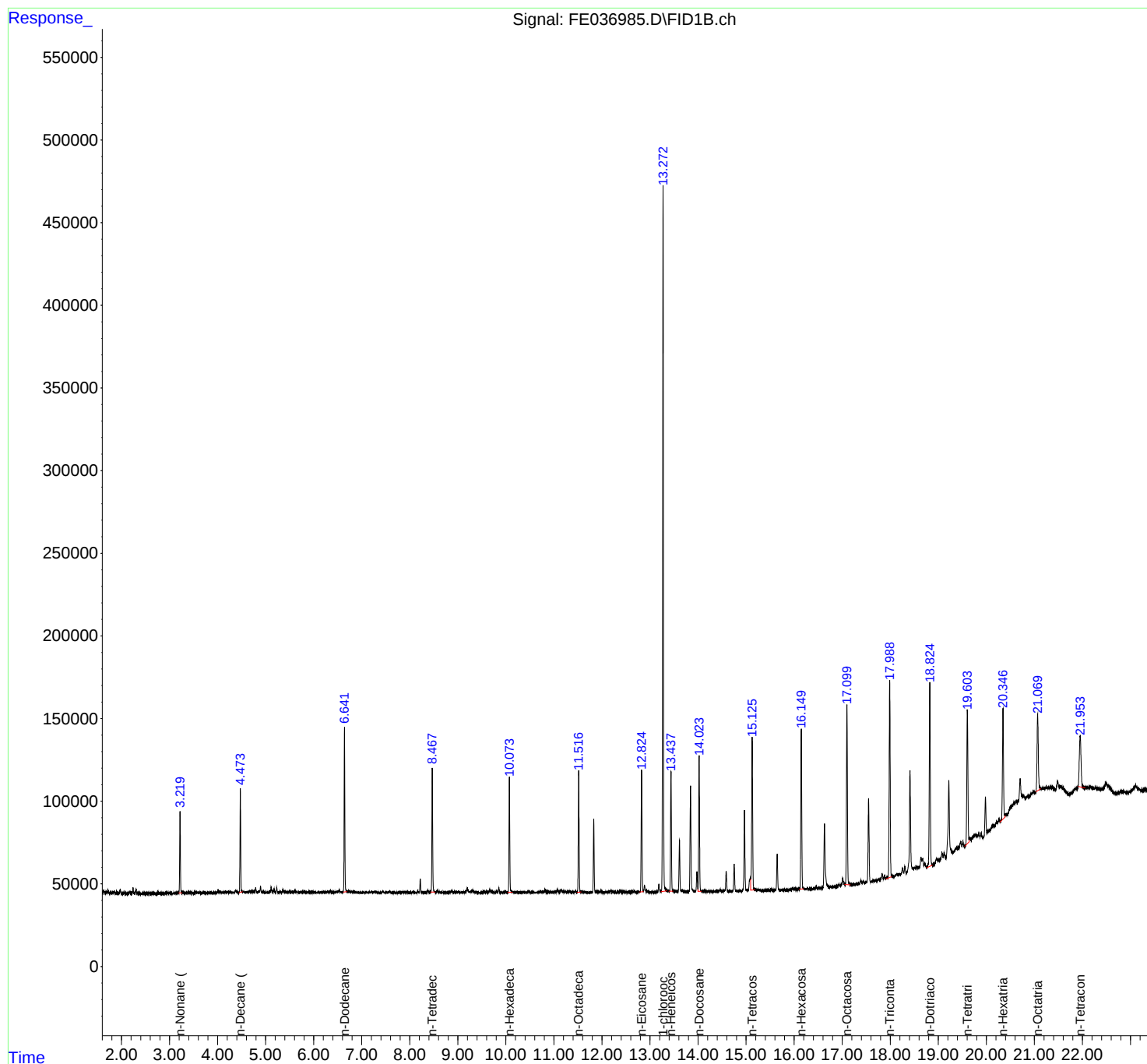
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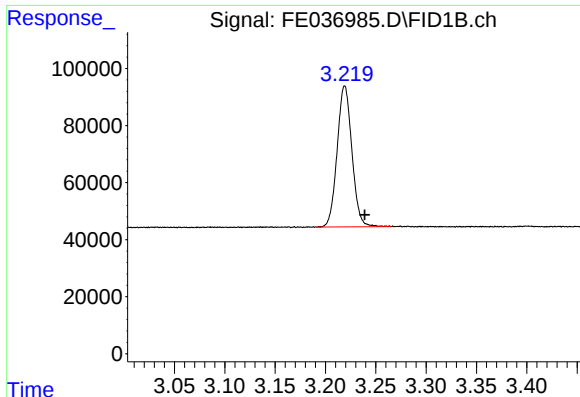
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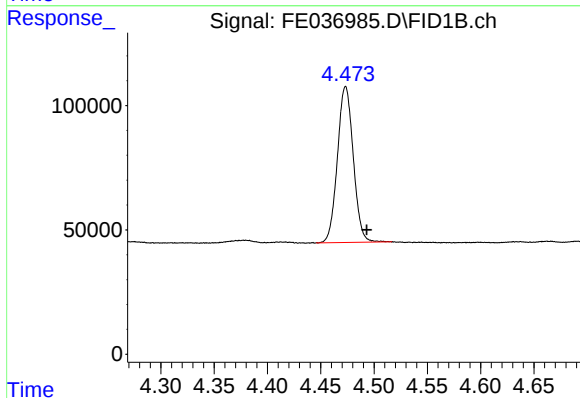
#1 n-Nonane (C9)

R.T.: 3.219 min
Delta R.T.: -0.020 min
Response: 504152
Conc: 3.27 ug/ml

Instrument : FID_E
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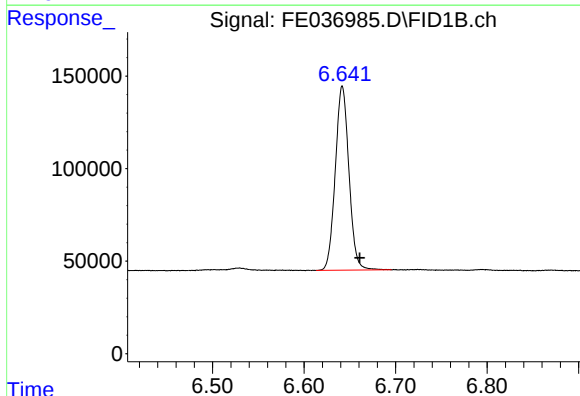
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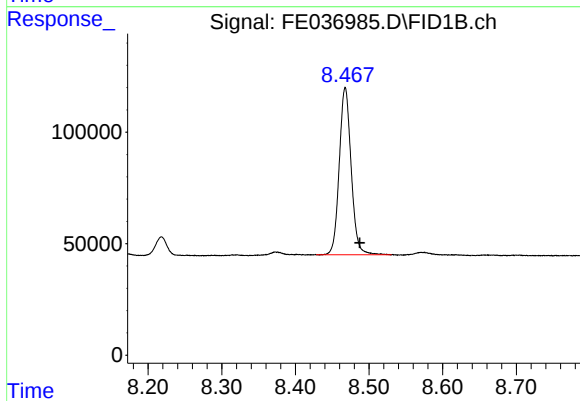
#2 n-Decane (C10)

R.T.: 4.473 min
Delta R.T.: -0.020 min
Response: 650477
Conc: 4.22 ug/ml



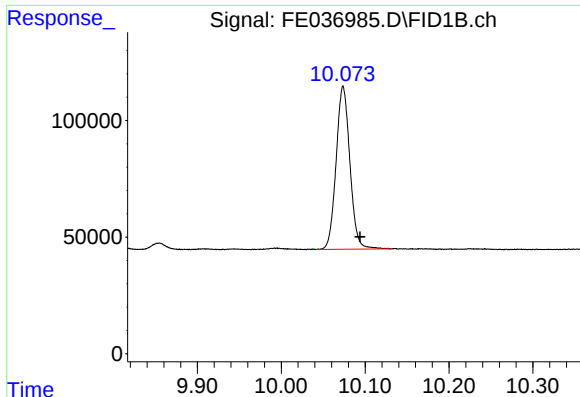
#4 n-Dodecane (C12)

R.T.: 6.642 min
Delta R.T.: -0.019 min
Response: 1030949
Conc: 6.56 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.468 min
Delta R.T.: -0.020 min
Response: 842253
Conc: 5.16 ug/ml



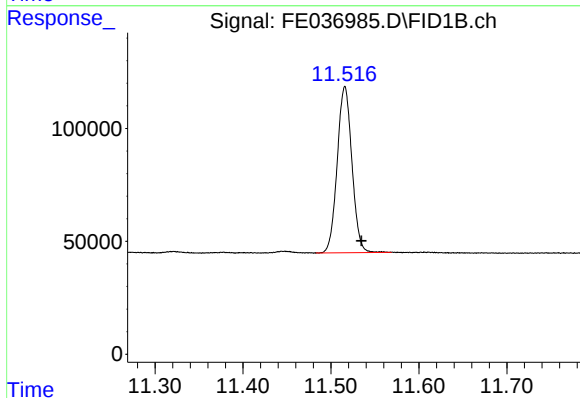
#7 n-Hexadecane (C16)

R.T.: 10.074 min
Delta R.T.: -0.020 min
Response: 799240
Conc: 4.85 ug/ml

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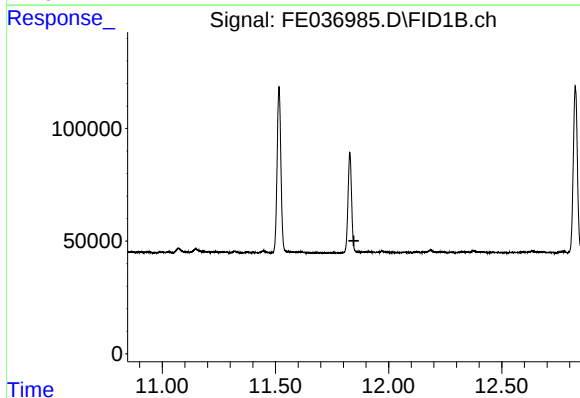
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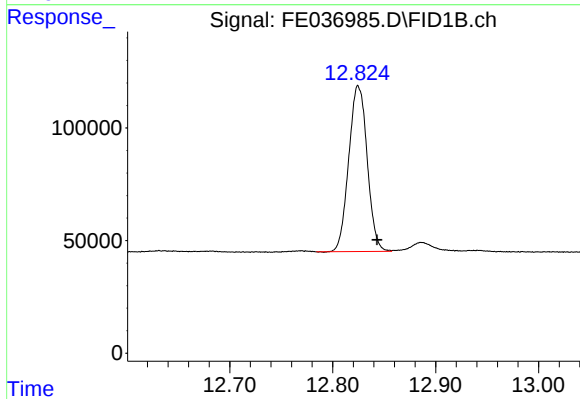
#8 n-Octadecane (C18)

R.T.: 11.516 min
Delta R.T.: -0.019 min
Response: 855942
Conc: 5.04 ug/ml



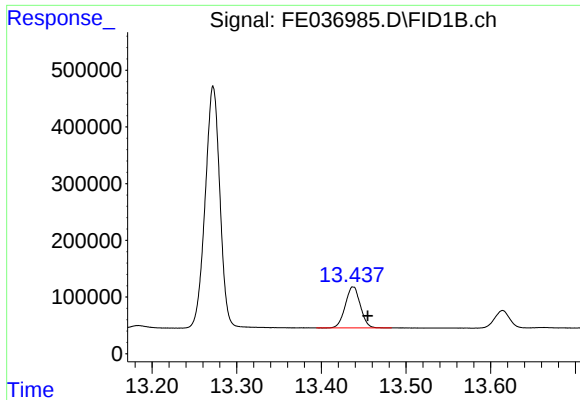
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.825 min
Delta R.T.: -0.018 min
Response: 916231
Conc: 5.39 ug/ml



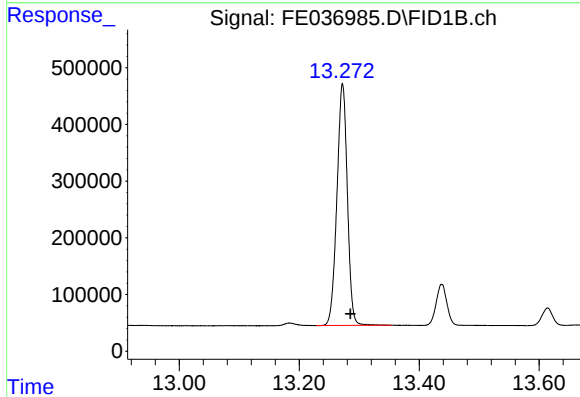
#11 n-Heneicosane (C21)

R.T.: 13.438 min
Delta R.T.: -0.017 min
Response: 892677
Conc: 5.22 ug/ml

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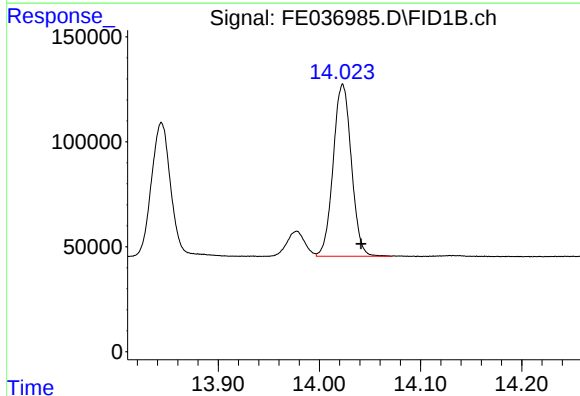
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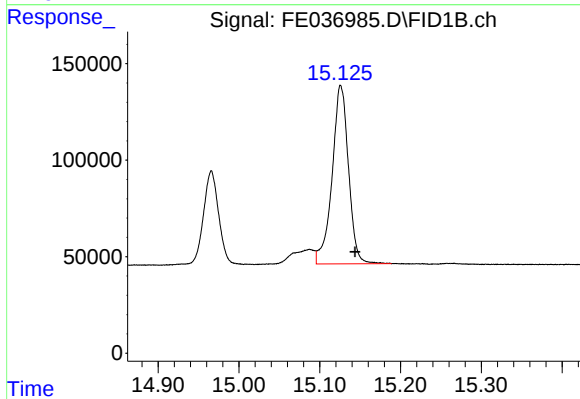
#12 1-chlorooctadecane (SURR)

R.T.: 13.272 min
Delta R.T.: -0.013 min
Response: 5152429
Conc: 33.87 ug/ml



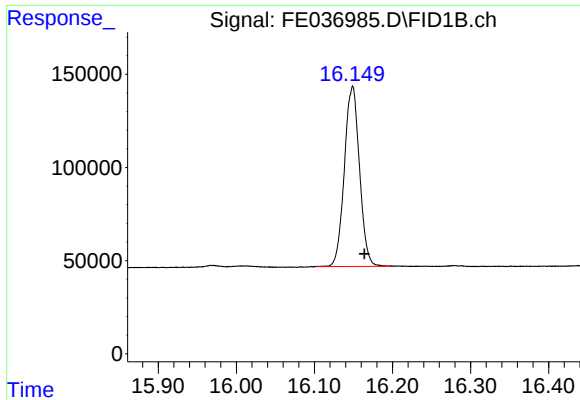
#13 n-Docosane (C22)

R.T.: 14.023 min
Delta R.T.: -0.018 min
Response: 1023476
Conc: 5.99 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.126 min
Delta R.T.: -0.018 min
Response: 1307141
Conc: 7.67 ug/ml



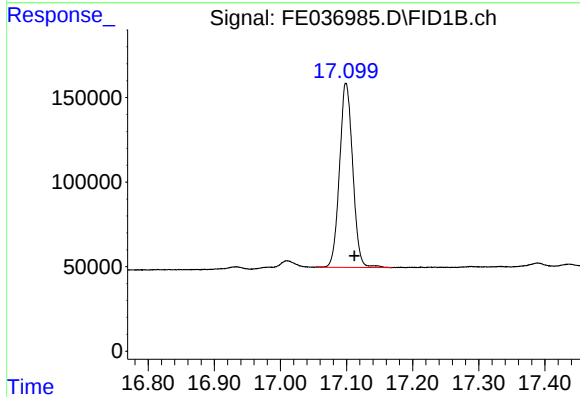
#15 n-Hexacosane (C26)

R.T.: 16.149 min
Delta R.T.: -0.015 min
Response: 1301764
Conc: 7.79 ug/ml

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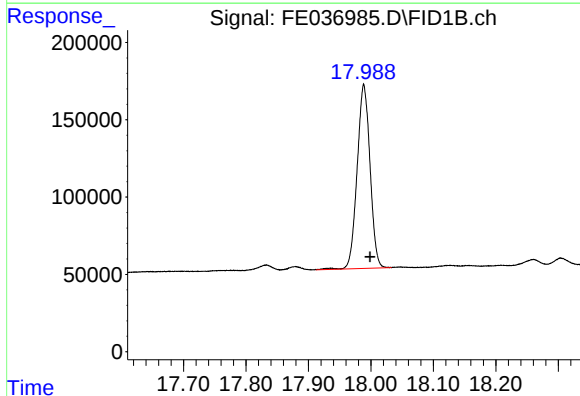
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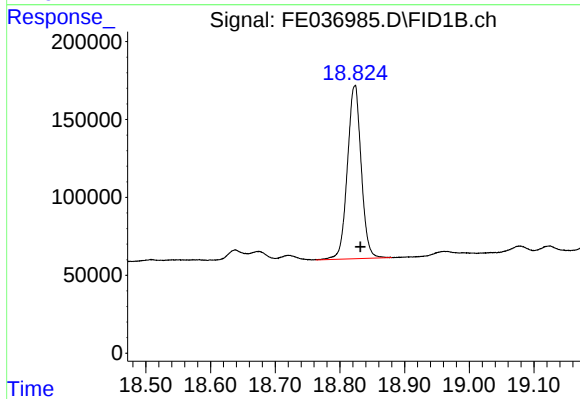
#16 n-Octacosane (C28)

R.T.: 17.099 min
Delta R.T.: -0.013 min
Response: 1514412
Conc: 9.27 ug/ml



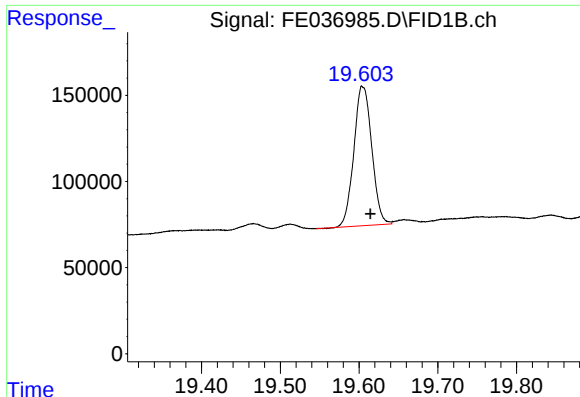
#17 n-Tricontane (C30)

R.T.: 17.989 min
Delta R.T.: -0.010 min
Response: 1710426
Conc: 11.26 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.823 min
Delta R.T.: -0.009 min
Response: 1652458
Conc: 13.74 ug/ml



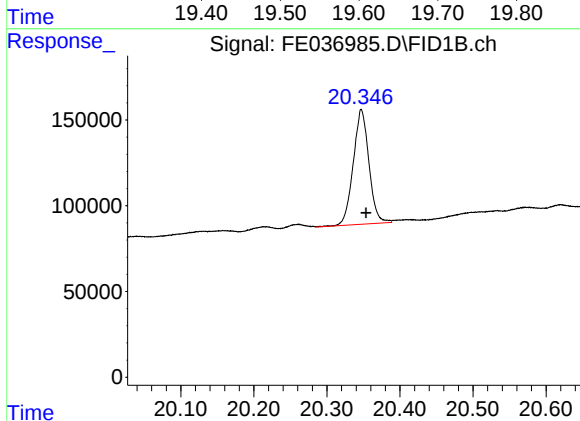
#19 n-Tetratriacontane (C34)

R.T.: 19.604 min
Delta R.T.: -0.010 min
Response: 1276397
Conc: 15.33 ug/ml

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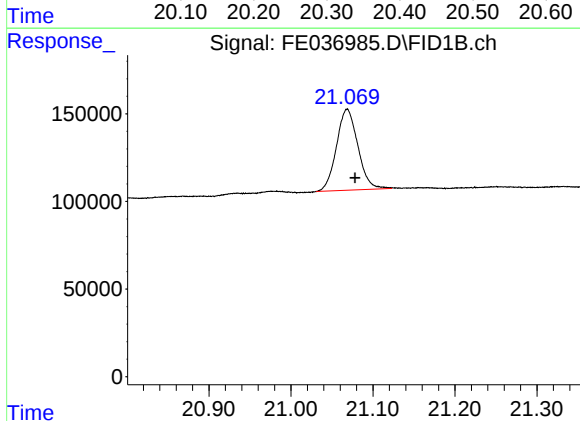
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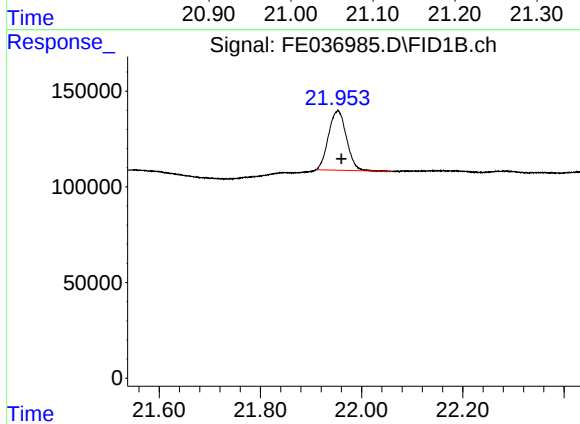
#20 n-Hexatriacontane (C36)

R.T.: 20.347 min
Delta R.T.: -0.007 min
Response: 997640
Conc: 16.99 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.069 min
Delta R.T.: -0.009 min
Response: 840404
Conc: 16.76 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.953 min
Delta R.T.: -0.007 min
Response: 764355
Conc: 14.80 ug/ml