

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100523AL\
 Data File : FC064742.D
 Signal(s) : FID1A.ch
 Acq On : 05 Oct 2023 11:29
 Operator : YP/AJ
 Sample : 04699-02
 Misc : 5PPM SOIL LOQ
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/06/2023
 Supervised By :Ankita Jodhani 10/06/2023

Integration File: autoint1.e
 Quant Time: Oct 05 23:53:26 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 01:25:53 2023
 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...	12.952	5559807	38.171 ug/ml
Spiked Amount 50.000		Recovery =	76.34%
Target Compounds			
1) T n-Nonane (C9)	3.329	553805	3.134 ug/ml
2) T n-Decane (C10)	4.386	696323	3.876 ug/ml
4) T n-Dodecane (C12)	6.392	922417	5.078 ug/ml
6) T n-Tetradecane (C14)	8.179	882080	4.971 ug/ml
7) T n-Hexadecane (C16)	9.772	967604	5.383 ug/mlm
8) T n-Octadecane (C18)	11.206	978055	5.402 ug/ml
10) T n-Eicosane (C20)	12.508	982068	5.765 ug/ml
11) T n-Heneicosane (C21)	13.118	918349	5.545 ug/ml
13) T n-Docosane (C22)	13.701	912222	5.600 ug/ml
14) T n-Tetracosane (C24)	14.799	876877	5.523 ug/ml
15) T n-Hexacosane (C26)	15.814	833903	5.463 ug/ml
16) T n-Octacosane (C28)	16.760	802657	5.423 ug/ml
17) T n-Tricontane (C30)	17.640	790854	5.324 ug/ml
18) T n-Dotriacontane (C32)	18.472	771435	5.286 ug/ml
19) T n-Tetratriacontane (C34)	19.249	743408	5.229 ug/ml
20) T n-Hexatriacontane (C36)	19.985	693052	5.032 ug/ml
21) T n-Octatriacontane (C38)	20.705	658006	4.801 ug/ml
22) T n-Tetracontane (C40)	21.587	614813	4.520 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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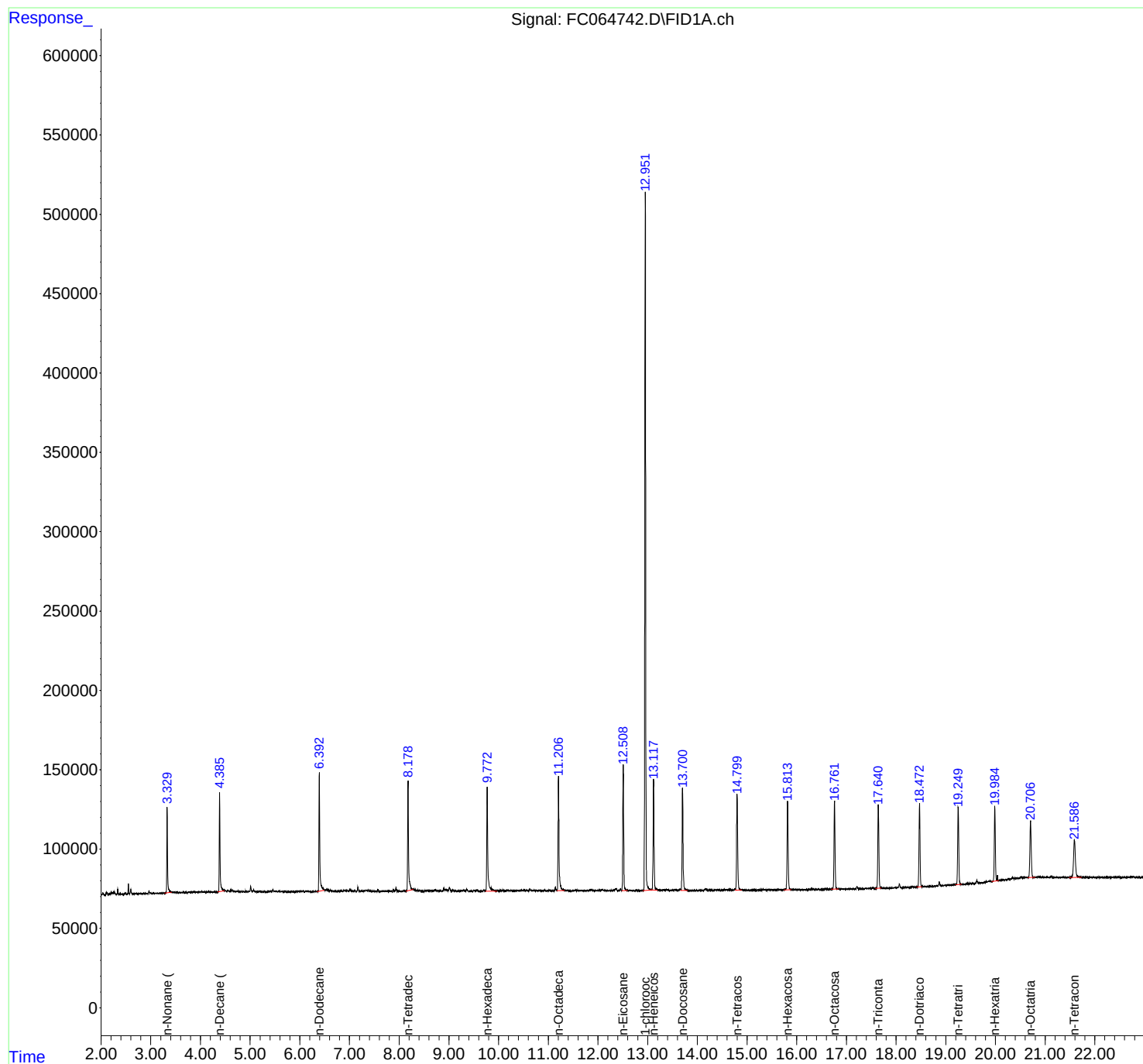
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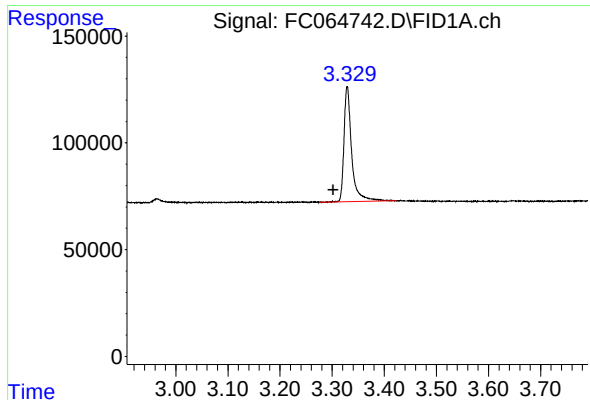
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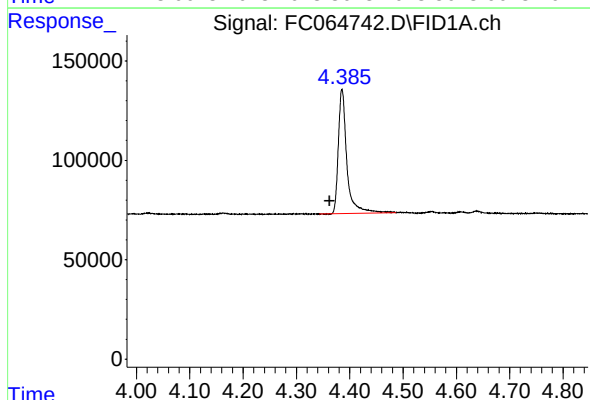
#1 n-Nonane (C9)

R.T.: 3.329 min
Delta R.T.: 0.027 min
Response: 553805
Conc: 3.13 ug/ml

Instrument : FID_C
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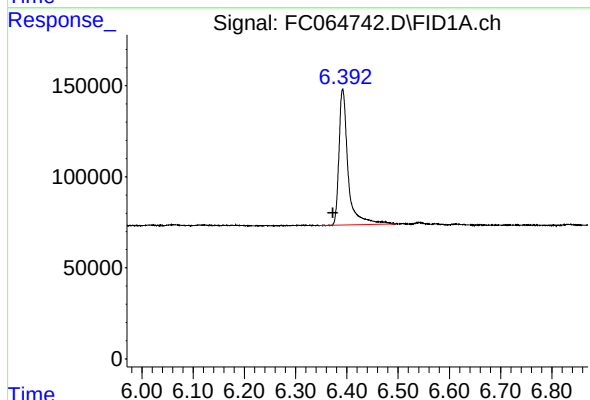
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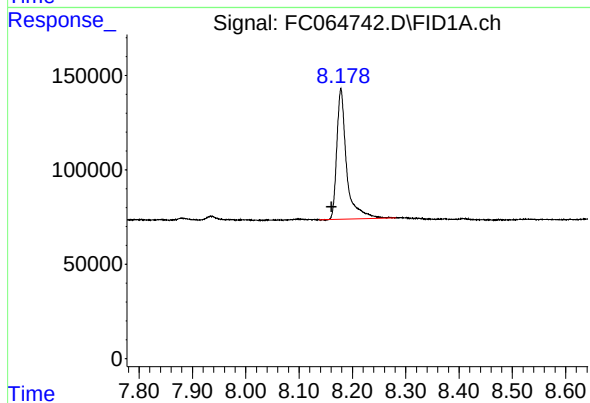
#2 n-Decane (C10)

R.T.: 4.386 min
Delta R.T.: 0.023 min
Response: 696323
Conc: 3.88 ug/ml



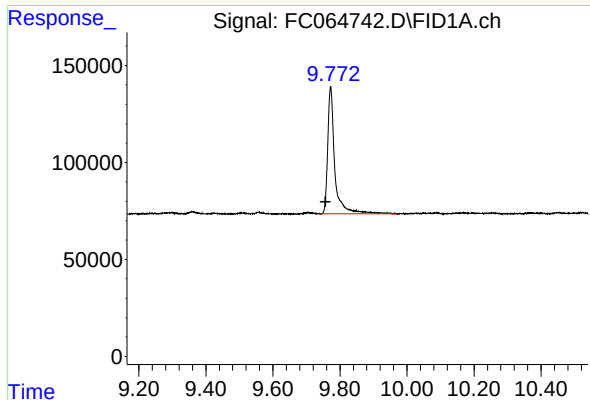
#4 n-Dodecane (C12)

R.T.: 6.392 min
Delta R.T.: 0.019 min
Response: 922417
Conc: 5.08 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.179 min
Delta R.T.: 0.017 min
Response: 882080
Conc: 4.97 ug/ml



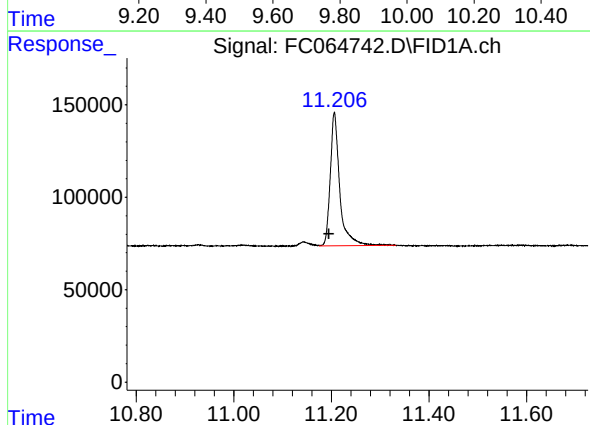
#7 n-Hexadecane (C16)

R.T.: 9.772 min
Delta R.T.: 0.014 min
Response: 967604
Conc: 5.38 ug/ml

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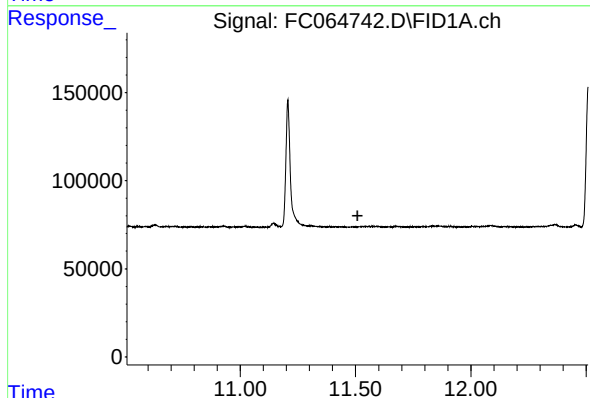
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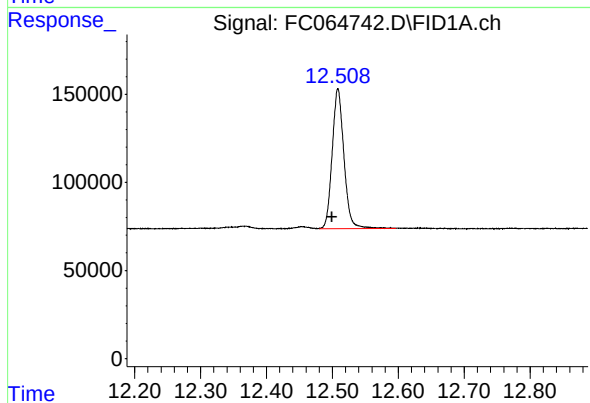
#8 n-Octadecane (C18)

R.T.: 11.206 min
Delta R.T.: 0.011 min
Response: 978055
Conc: 5.40 ug/ml



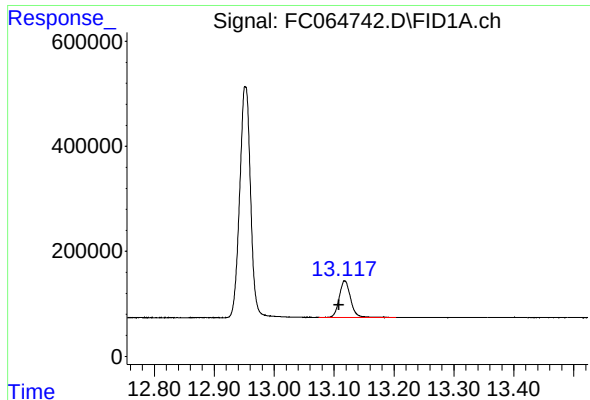
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.508 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.508 min
Delta R.T.: 0.009 min
Response: 982068
Conc: 5.77 ug/ml



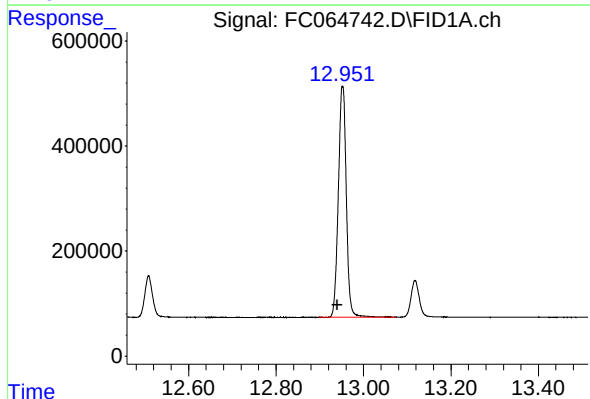
#11 n-Heneicosane (C21)

R.T.: 13.118 min
Delta R.T.: 0.010 min
Response: 918349
Conc: 5.54 ug/ml

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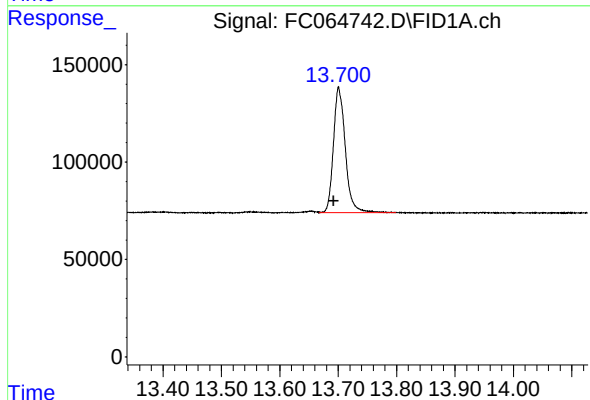
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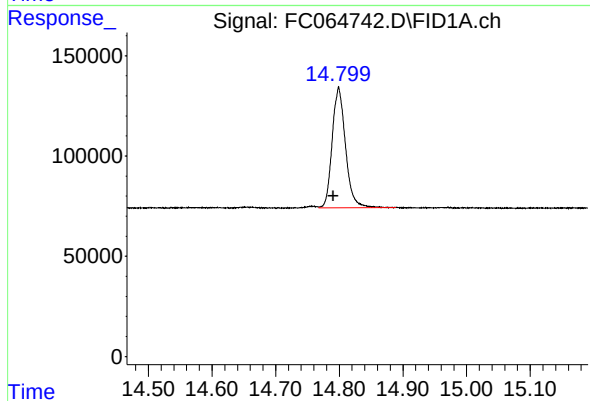
#12 1-chlorooctadecane (SURR)

R.T.: 12.952 min
Delta R.T.: 0.012 min
Response: 5559807
Conc: 38.17 ug/ml



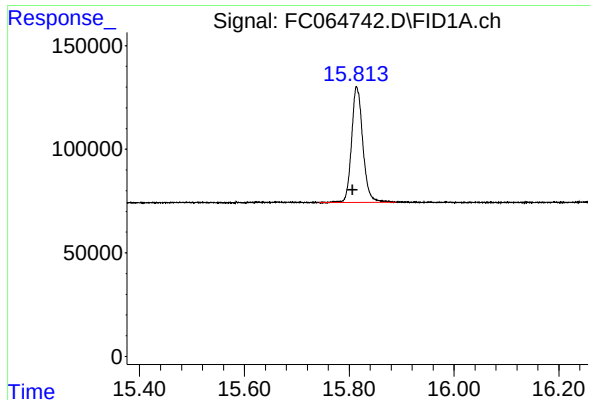
#13 n-Docosane (C22)

R.T.: 13.701 min
Delta R.T.: 0.009 min
Response: 912222
Conc: 5.60 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.799 min
Delta R.T.: 0.009 min
Response: 876877
Conc: 5.52 ug/ml



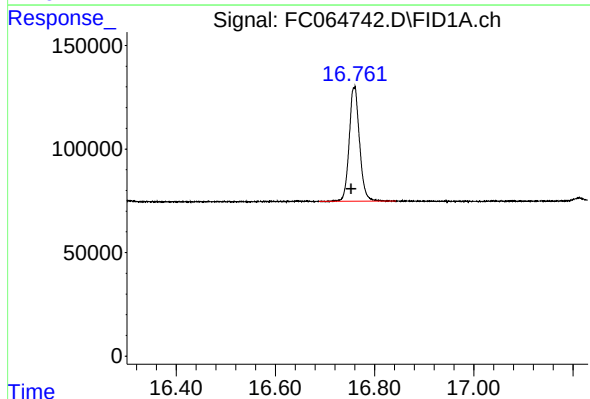
#15 n-Hexacosane (C26)

R.T.: 15.814 min
Delta R.T.: 0.007 min
Response: 833903
Conc: 5.46 ug/ml

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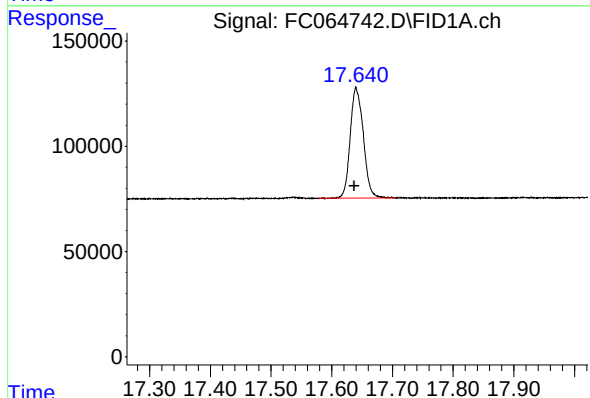
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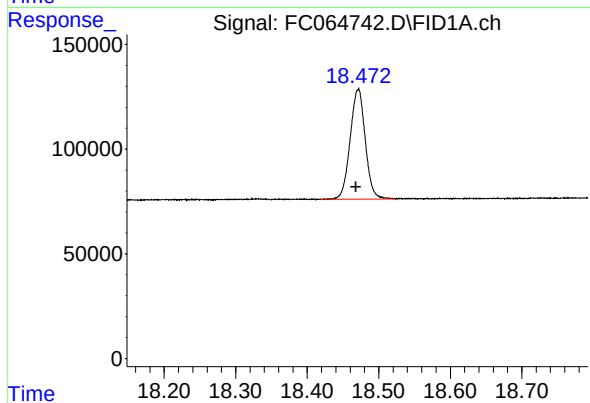
#16 n-Octacosane (C28)

R.T.: 16.760 min
Delta R.T.: 0.006 min
Response: 802657
Conc: 5.42 ug/ml



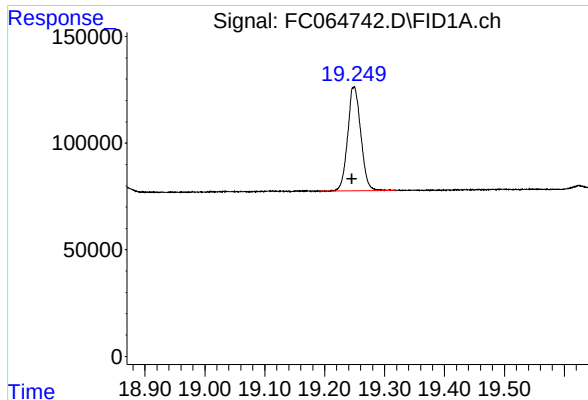
#17 n-Tricontane (C30)

R.T.: 17.640 min
Delta R.T.: 0.003 min
Response: 790854
Conc: 5.32 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.472 min
Delta R.T.: 0.003 min
Response: 771435
Conc: 5.29 ug/ml



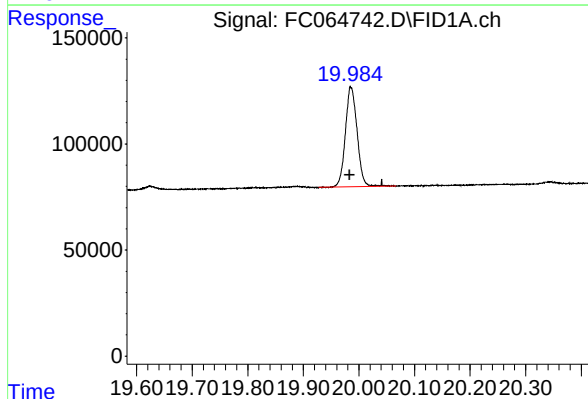
#19 n-Tetratriacontane (C34)

R.T.: 19.249 min
Delta R.T.: 0.003 min
Response: 743408
Conc: 5.23 ug/ml

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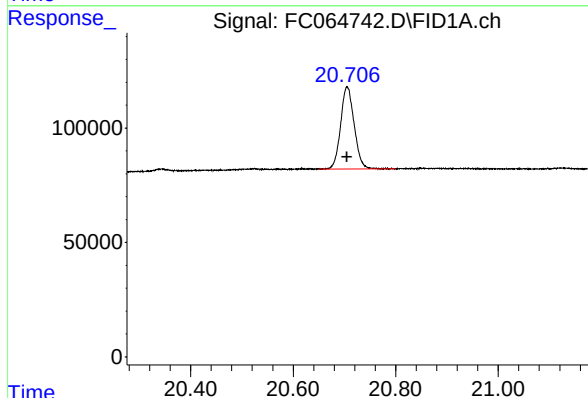
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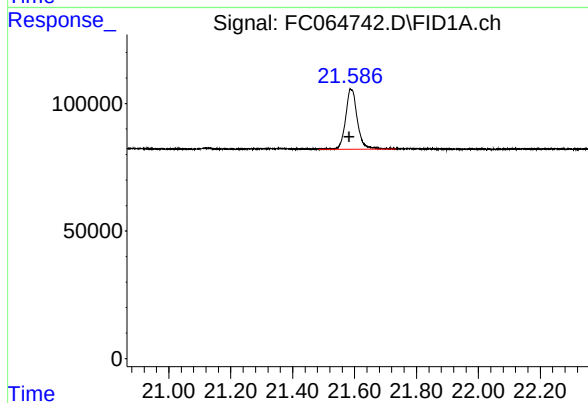
#20 n-Hexatriacontane (C36)

R.T.: 19.985 min
Delta R.T.: 0.002 min
Response: 693052
Conc: 5.03 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.705 min
Delta R.T.: 0.000 min
Response: 658006
Conc: 4.80 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.587 min
Delta R.T.: 0.003 min
Response: 614813
Conc: 4.52 ug/ml