

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063022AL\
 Data File : FC060527.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jun 2022 13:01
 Operator : YP/AJ
 Sample : N3214-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/01/2022
 Supervised By :Ankita Jodhani 07/01/2022

Integration File: autoint1.e
 Quant Time: Jul 01 04:59:22 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 062422.M
 Quant Title : GC Extractables
 QLast Update : Sat Jun 25 04:15:44 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...	12.000	6594523	44.741 ug/ml
Spiked Amount 50.000		Recovery =	89.48%
Target Compounds			
1) T n-Nonane (C9)	2.643	305001	1.988 ug/ml
2) T n-Decane (C10)	3.636	386837	2.533 ug/ml
4) T n-Dodecane (C12)	5.574	732403	4.532 ug/mlm
6) T n-Tetradecane (C14)	7.323	578210	3.500 ug/mlm
7) T n-Hexadecane (C16)	8.882	576164	3.409 ug/mlm
8) T n-Octadecane (C18)	10.287	629038	3.656 ug/ml
10) T n-Eicosane (C20)	11.562	631788	3.702 ug/mlm
11) T n-Heneicosane (C21)	12.160	626365	3.674 ug/ml
13) T n-Docosane (C22)	12.731	630764	3.700 ug/ml
14) T n-Tetracosane (C24)	13.807	629530	3.749 ug/ml
15) T n-Hexacosane (C26)	14.803	619521	3.770 ug/ml
16) T n-Octacosane (C28)	15.729	613314	3.865 ug/ml
17) T n-Tricontane (C30)	16.594	642050	4.218 ug/ml
18) T n-Dotriacontane (C32)	17.405	637624	4.386 ug/ml
19) T n-Tetratriacontane (C34)	18.169	577407	4.546 ug/ml
20) T n-Hexatriacontane (C36)	18.890	516926	4.606 ug/ml
21) T n-Octatriacontane (C38)	19.571	486079	4.440 ug/ml
22) T n-Tetracontane (C40)	20.218	468542	4.149 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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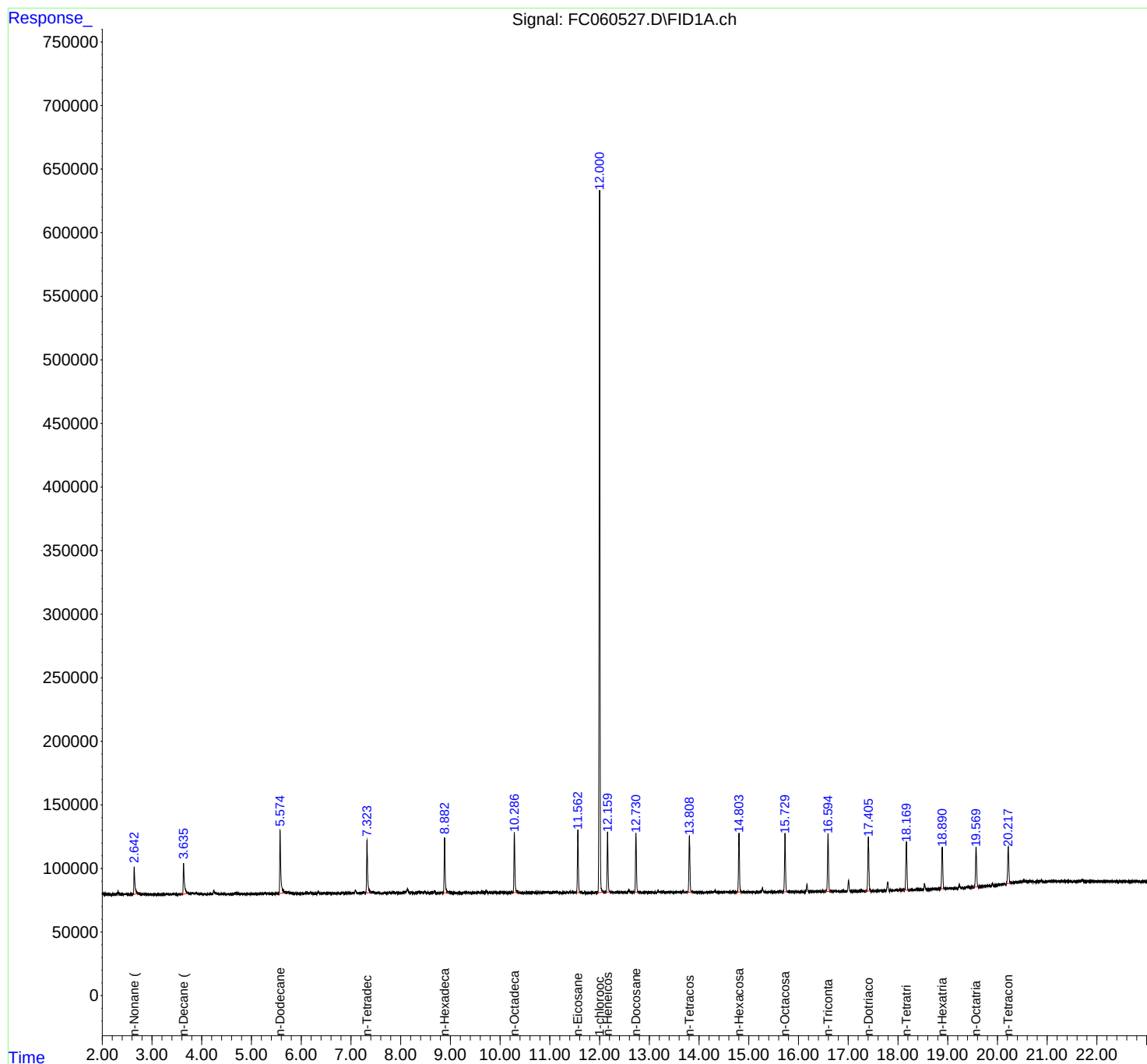
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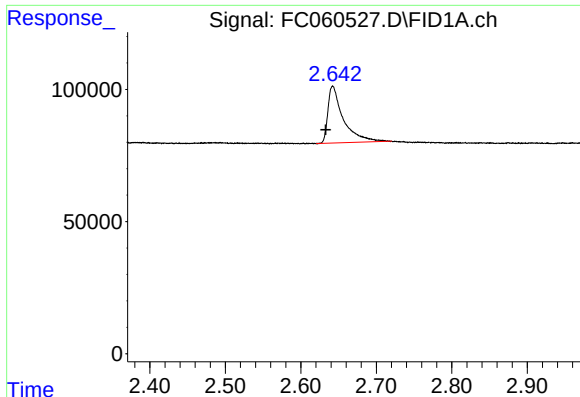
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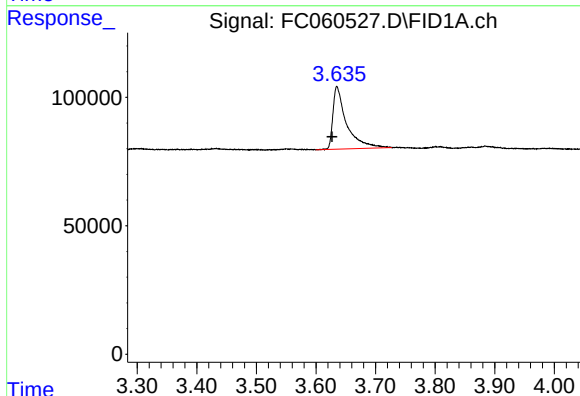
#1 n-Nonane (C9)

R.T.: 2.643 min
Delta R.T.: 0.010 min
Response: 305001
Conc: 1.99 ug/ml

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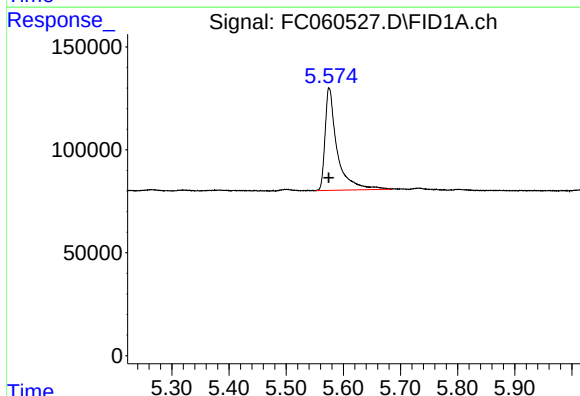
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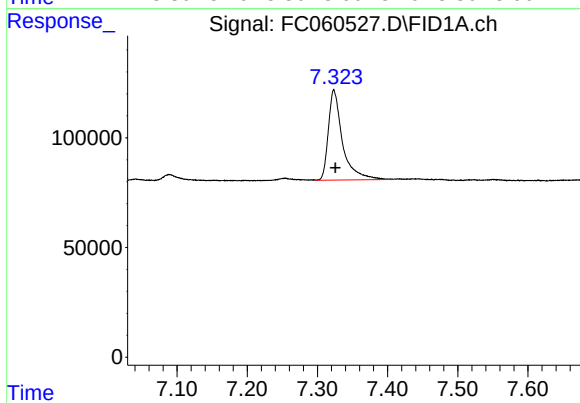
#2 n-Decane (C10)

R.T.: 3.636 min
Delta R.T.: 0.009 min
Response: 386837
Conc: 2.53 ug/ml



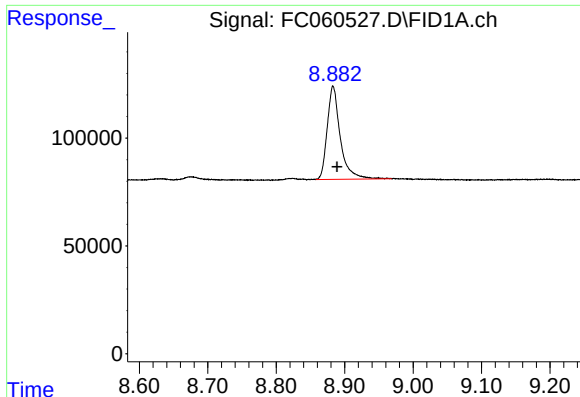
#4 n-Dodecane (C12)

R.T.: 5.574 min
Delta R.T.: 0.000 min
Response: 732403
Conc: 4.53 ug/ml m



#6 n-Tetradecane (C14)

R.T.: 7.323 min
Delta R.T.: -0.002 min
Response: 578210
Conc: 3.50 ug/ml m



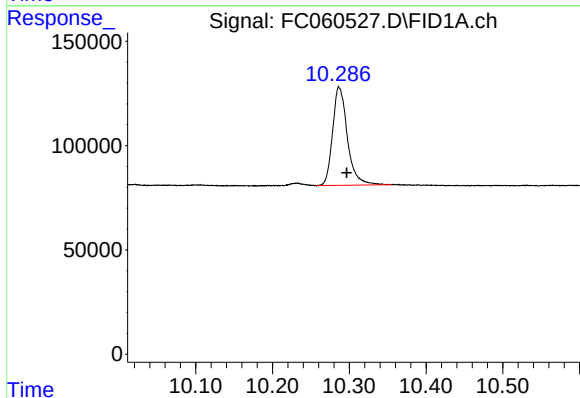
#7 n-Hexadecane (C16)

R.T.: 8.882 min
Delta R.T.: -0.007 min
Response: 576164
Conc: 3.41 ug/ml

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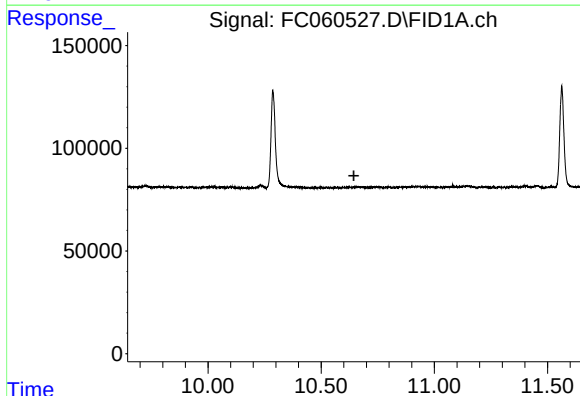
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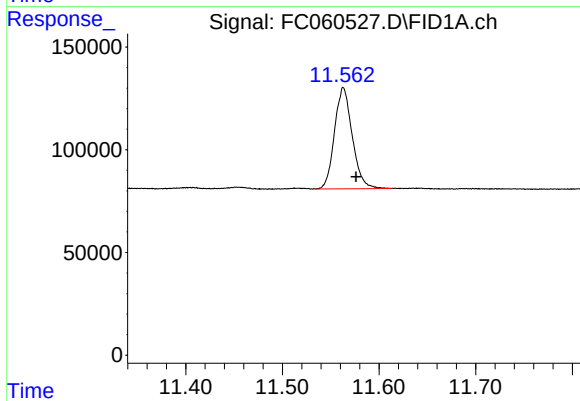
#8 n-Octadecane (C18)

R.T.: 10.287 min
Delta R.T.: -0.009 min
Response: 629038
Conc: 3.66 ug/ml



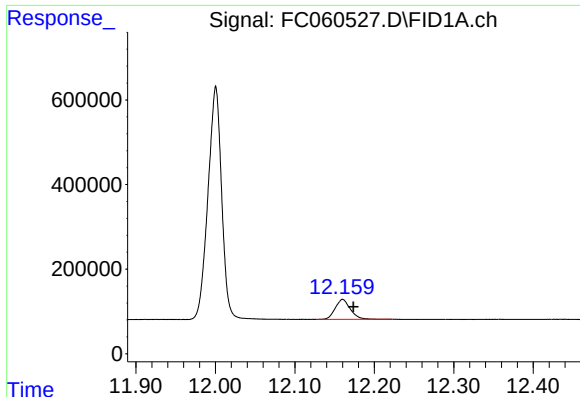
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 10.645 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 11.562 min
Delta R.T.: -0.014 min
Response: 631788
Conc: 3.70 ug/ml m



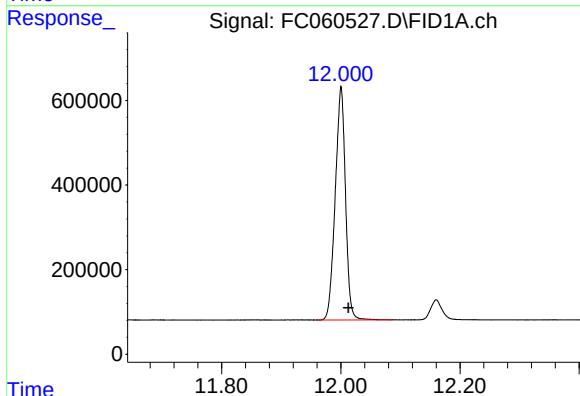
#11 n-Heneicosane (C21)

R.T.: 12.160 min
Delta R.T.: -0.014 min
Response: 626365
Conc: 3.67 ug/ml

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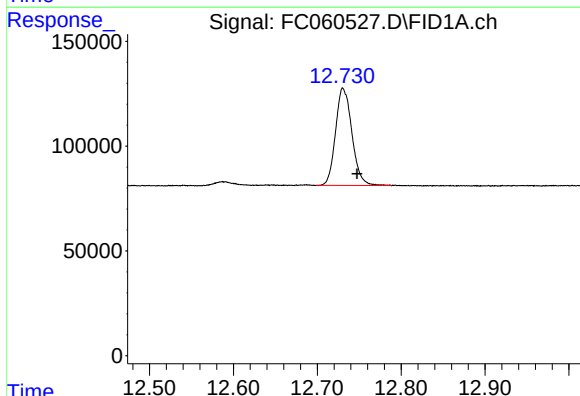
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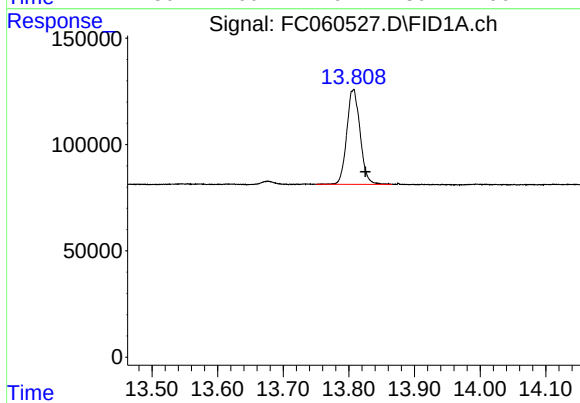
#12 1-chlorooctadecane (SURR)

R.T.: 12.000 min
Delta R.T.: -0.012 min
Response: 6594523
Conc: 44.74 ug/ml



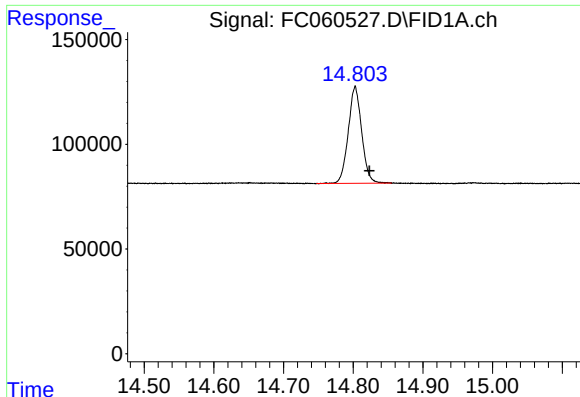
#13 n-Docosane (C22)

R.T.: 12.731 min
Delta R.T.: -0.016 min
Response: 630764
Conc: 3.70 ug/ml



#14 n-Tetracosane (C24)

R.T.: 13.807 min
Delta R.T.: -0.019 min
Response: 629530
Conc: 3.75 ug/ml



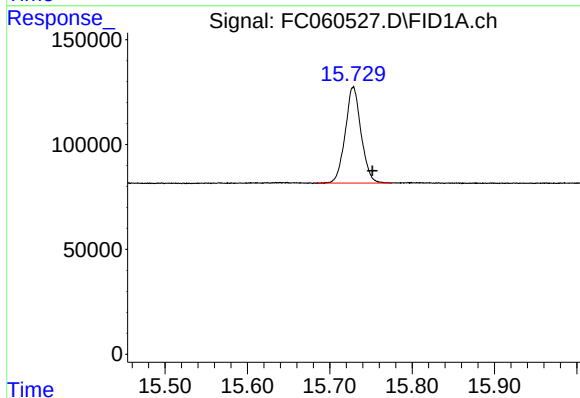
#15 n-Hexacosane (C26)

R.T.: 14.803 min
Delta R.T.: -0.021 min
Response: 619521
Conc: 3.77 ug/ml

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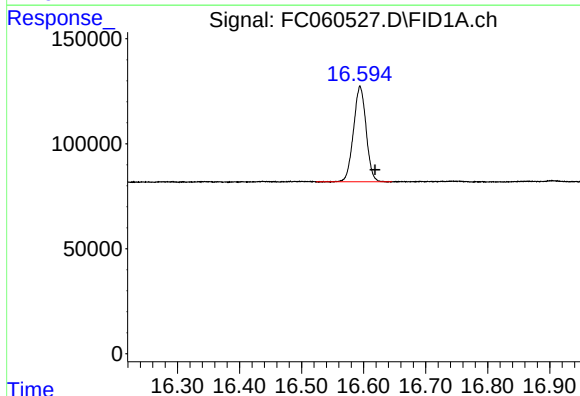
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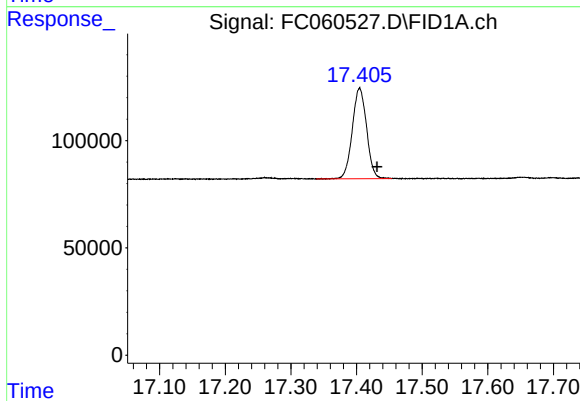
#16 n-Octacosane (C28)

R.T.: 15.729 min
Delta R.T.: -0.023 min
Response: 613314
Conc: 3.87 ug/ml



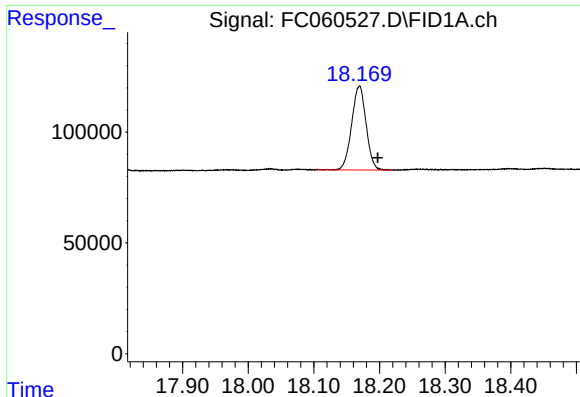
#17 n-Tricontane (C30)

R.T.: 16.594 min
Delta R.T.: -0.024 min
Response: 642050
Conc: 4.22 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 17.405 min
Delta R.T.: -0.027 min
Response: 637624
Conc: 4.39 ug/ml



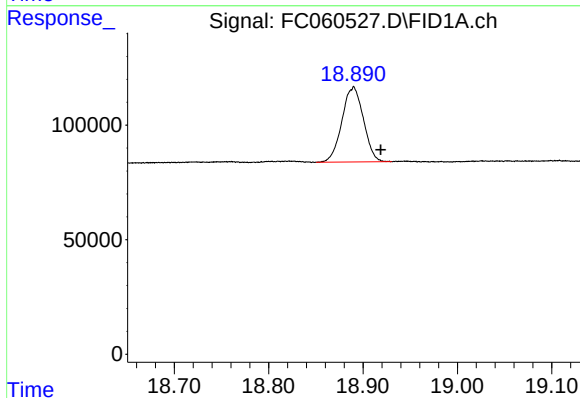
#19 n-Tetratriacontane (C34)

R.T.: 18.169 min
Delta R.T.: -0.028 min
Response: 577407
Conc: 4.55 ug/ml

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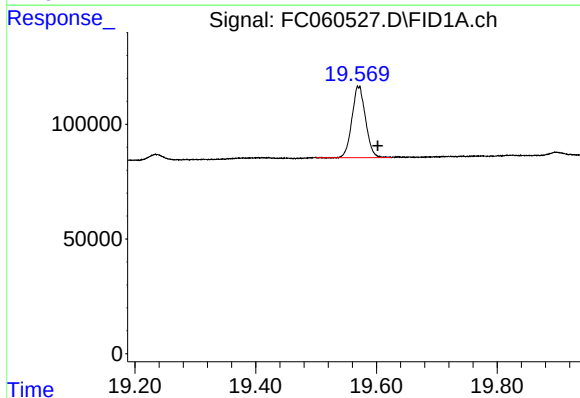
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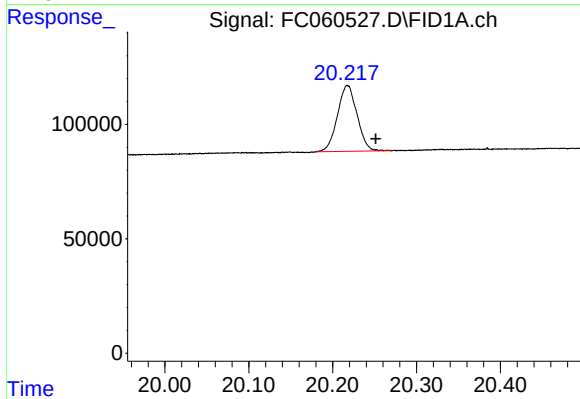
#20 n-Hexatriacontane (C36)

R.T.: 18.890 min
Delta R.T.: -0.029 min
Response: 516926
Conc: 4.61 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 19.571 min
Delta R.T.: -0.032 min
Response: 486079
Conc: 4.44 ug/ml



#22 n-Tetracontane (C40)

R.T.: 20.218 min
Delta R.T.: -0.034 min
Response: 468542
Conc: 4.15 ug/ml