

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080323AL\
 Data File : FC064328.D
 Signal(s) : FID1A.ch
 Acq On : 04 Aug 2023 11:32
 Operator : YP/AJ
 Sample : 03572-02
 Misc : LOQ 5 PPM
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/07/2023
 Supervised By :Ankita Jodhani 08/07/2023

Integration File: autoint1.e
 Quant Time: Aug 05 01:59:45 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 24 01:54:49 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...	12.949	4339511	34.410 ug/ml
Spiked Amount 50.000		Recovery =	68.82%
Target Compounds			
1) T n-Nonane (C9)	3.309	452001	2.786 ug/ml
2) T n-Decane (C10)	4.369	573333	3.506 ug/ml
4) T n-Dodecane (C12)	6.380	738416	4.523 ug/ml
6) T n-Tetradecane (C14)	8.169	721944	4.598 ug/ml
7) T n-Hexadecane (C16)	9.764	723440	4.601 ug/ml
8) T n-Octadecane (C18)	11.201	778417	4.913 ug/ml
10) T n-Eicosane (C20)	12.506	777632	5.211 ug/mlm
11) T n-Heneicosane (C21)	13.115	725447	4.971 ug/ml
13) T n-Docosane (C22)	13.701	724011	5.073 ug/ml
14) T n-Tetracosane (C24)	14.799	712185	5.070 ug/ml
15) T n-Hexacosane (C26)	15.816	695738	5.067 ug/ml
16) T n-Octacosane (C28)	16.762	710317	5.297 ug/ml
17) T n-Tricontane (C30)	17.646	746261	5.376 ug/ml
18) T n-Dotriacontane (C32)	18.475	787451	5.596 ug/ml
19) T n-Tetratriacontane (C34)	19.254	751611	5.413 ug/ml
20) T n-Hexatriacontane (C36)	19.991	661665	4.876 ug/ml
21) T n-Octatriacontane (C38)	20.711	616961	4.549 ug/ml
22) T n-Tetracontane (C40)	21.596	567183	4.222 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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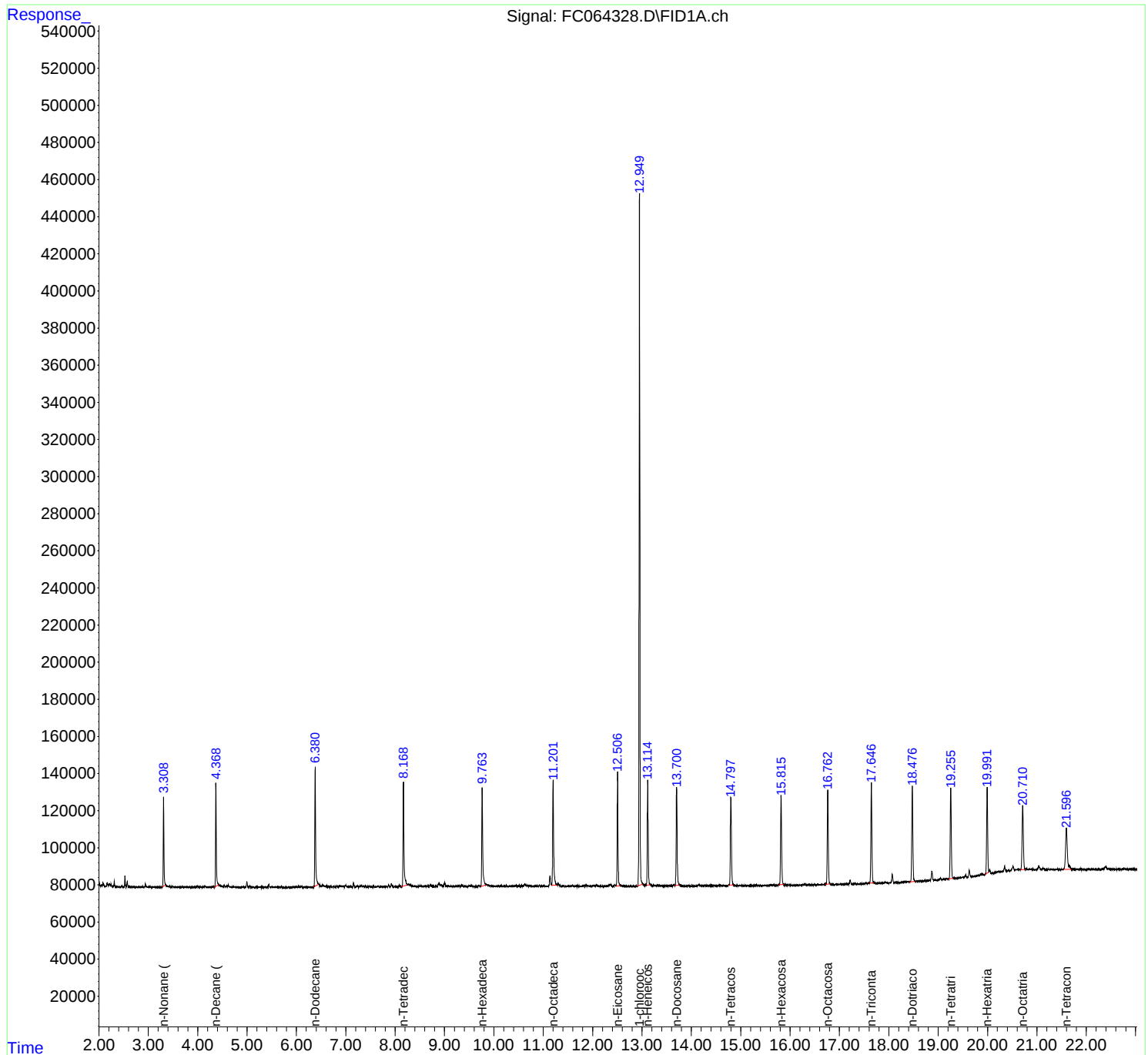
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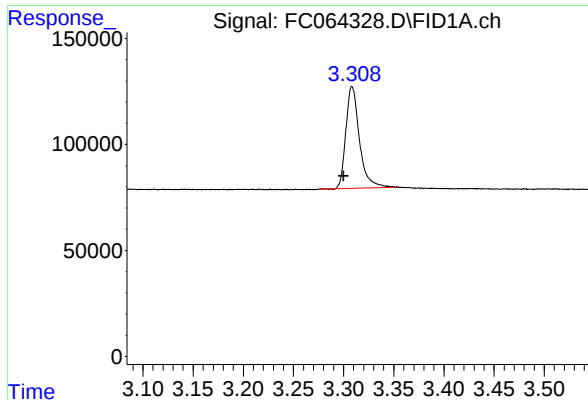
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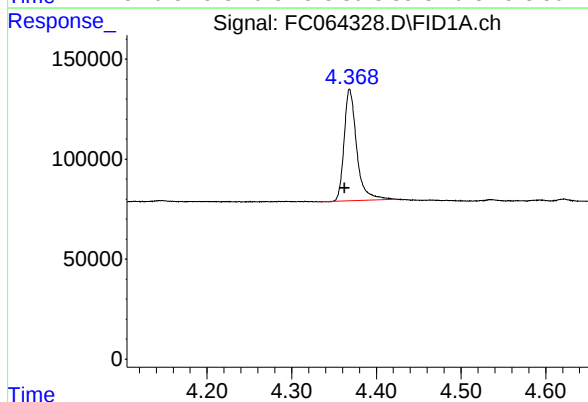
#1 n-Nonane (C9)

R.T.: 3.309 min
Delta R.T.: 0.009 min
Response: 452001
Conc: 2.79 ug/ml

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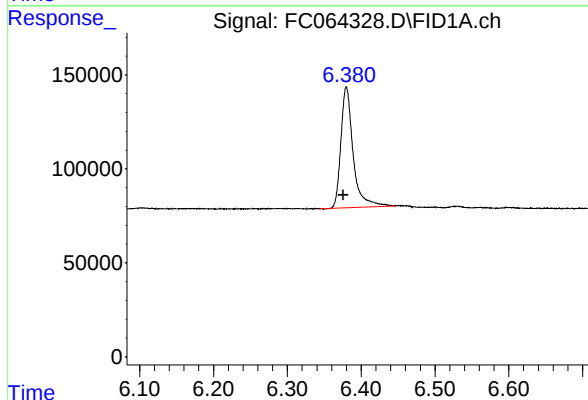
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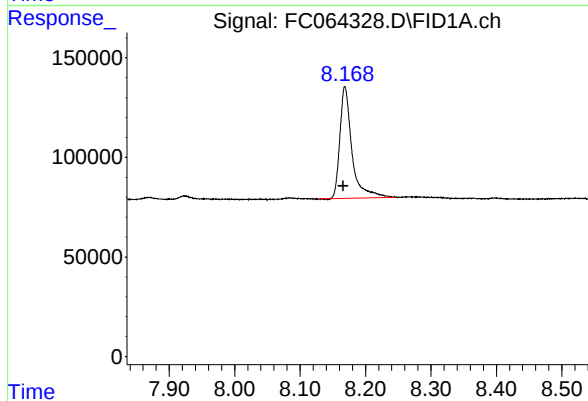
#2 n-Decane (C10)

R.T.: 4.369 min
Delta R.T.: 0.006 min
Response: 573333
Conc: 3.51 ug/ml



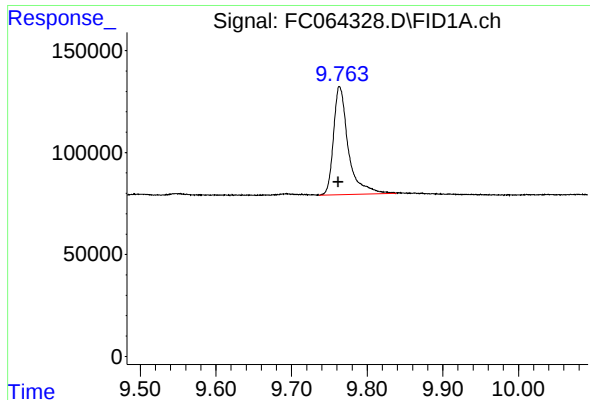
#4 n-Dodecane (C12)

R.T.: 6.380 min
Delta R.T.: 0.004 min
Response: 738416
Conc: 4.52 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.169 min
Delta R.T.: 0.002 min
Response: 721944
Conc: 4.60 ug/ml



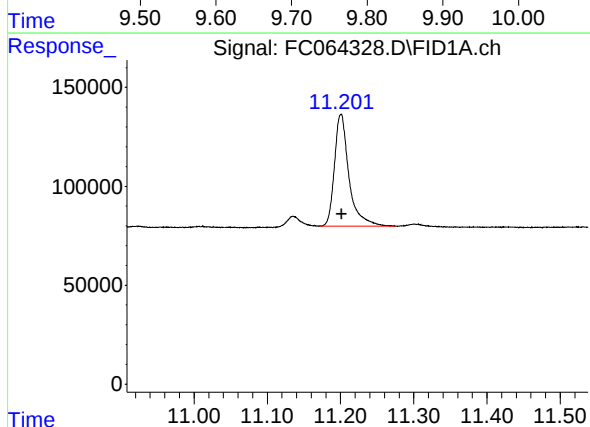
#7 n-Hexadecane (C16)

R.T.: 9.764 min
Delta R.T.: 0.002 min
Response: 723440
Conc: 4.60 ug/ml

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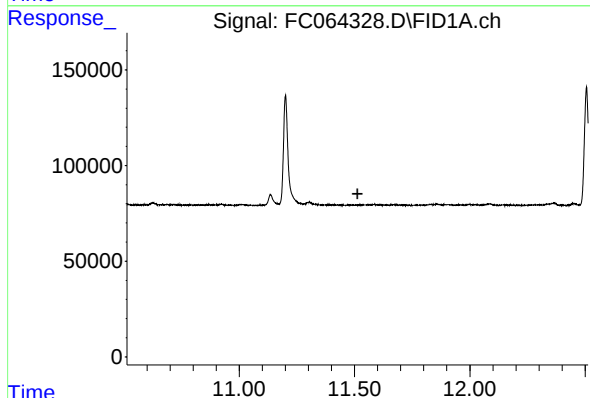
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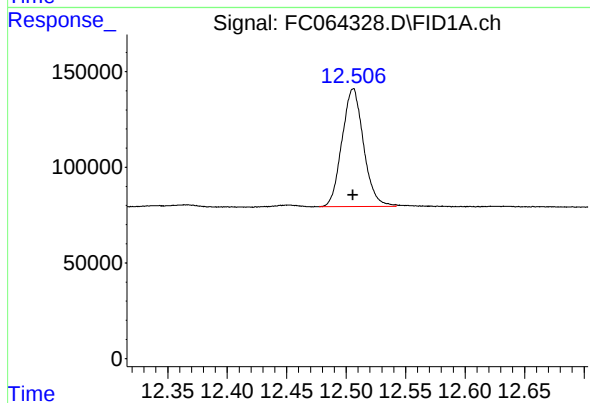
#8 n-Octadecane (C18)

R.T.: 11.201 min
Delta R.T.: 0.000 min
Response: 778417
Conc: 4.91 ug/ml



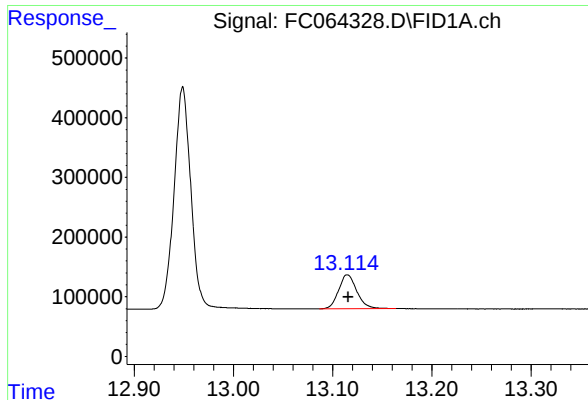
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.513 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.506 min
Delta R.T.: 0.000 min
Response: 777632
Conc: 5.21 ug/ml m



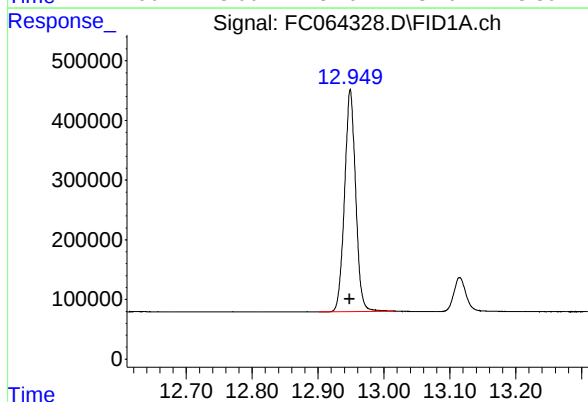
#11 n-Heneicosane (C21)

R.T.: 13.115 min
Delta R.T.: 0.000 min
Response: 725447
Conc: 4.97 ug/ml

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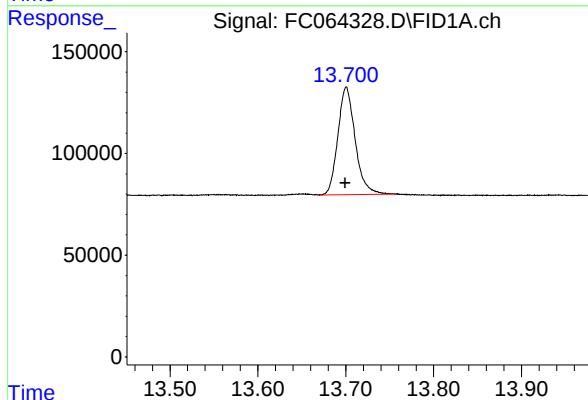
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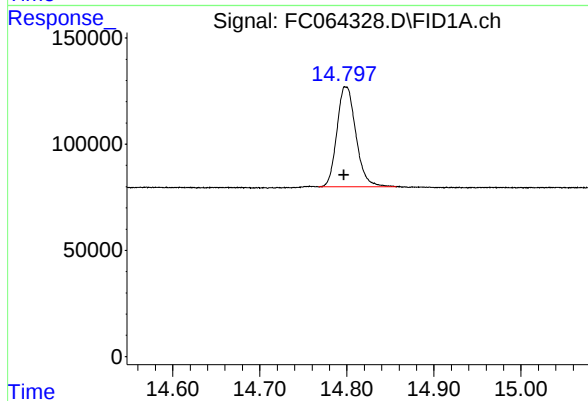
#12 1-chlorooctadecane (SURR)

R.T.: 12.949 min
Delta R.T.: 0.000 min
Response: 4339511
Conc: 34.41 ug/ml



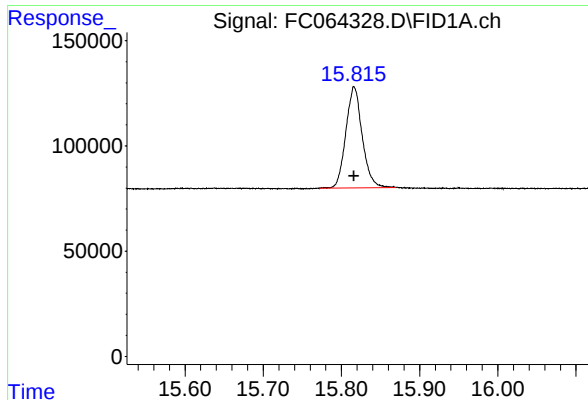
#13 n-Docosane (C22)

R.T.: 13.701 min
Delta R.T.: 0.001 min
Response: 724011
Conc: 5.07 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.799 min
Delta R.T.: 0.002 min
Response: 712185
Conc: 5.07 ug/ml



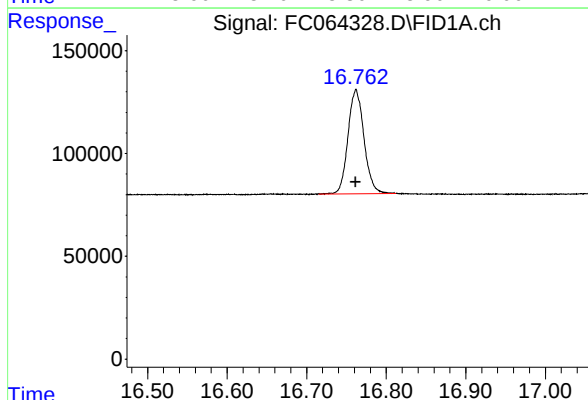
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.000 min
Response: 695738
Conc: 5.07 ug/ml

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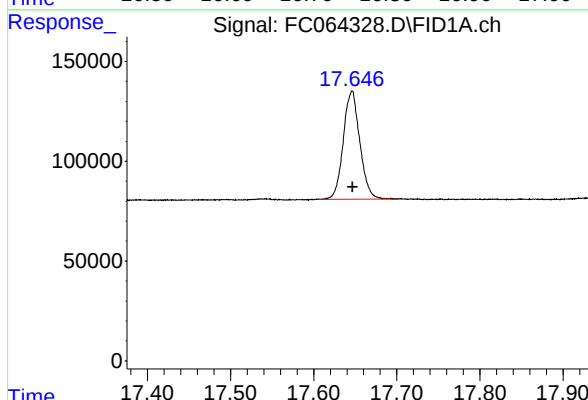
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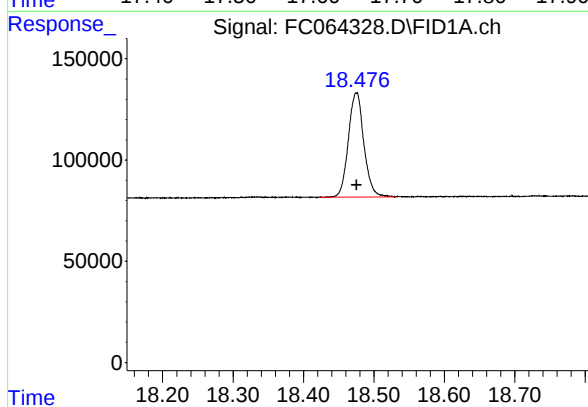
#16 n-Octacosane (C28)

R.T.: 16.762 min
Delta R.T.: 0.000 min
Response: 710317
Conc: 5.30 ug/ml



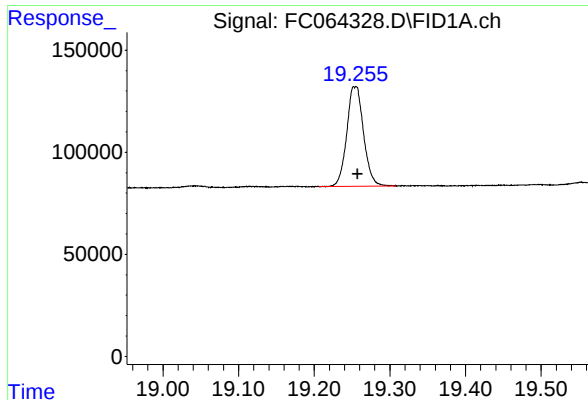
#17 n-Tricontane (C30)

R.T.: 17.646 min
Delta R.T.: 0.000 min
Response: 746261
Conc: 5.38 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.475 min
Delta R.T.: 0.000 min
Response: 787451
Conc: 5.60 ug/ml



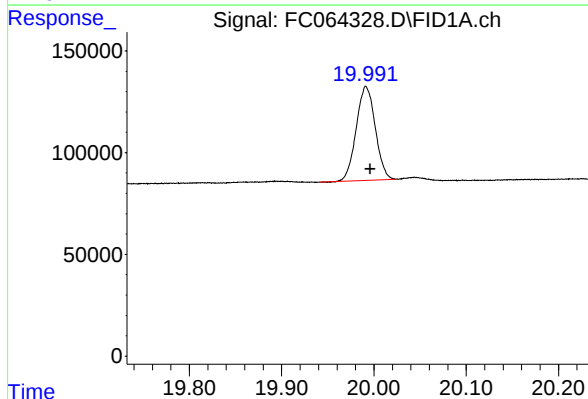
#19 n-Tetratriacontane (C34)

R.T.: 19.254 min
Delta R.T.: -0.003 min
Response: 751611
Conc: 5.41 ug/ml

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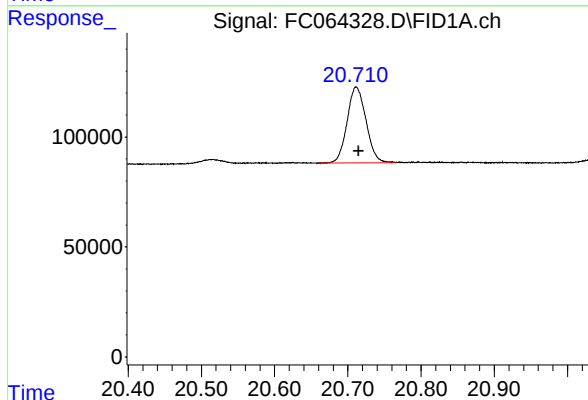
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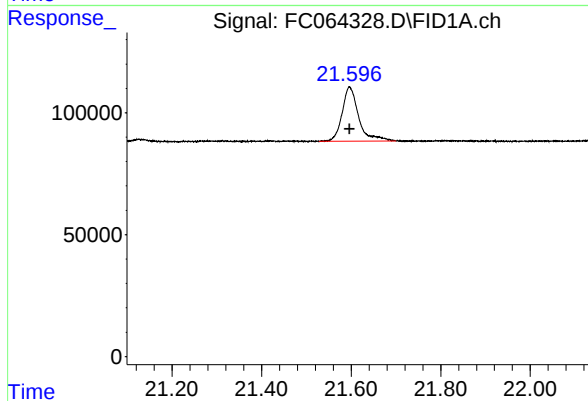
#20 n-Hexatriacontane (C36)

R.T.: 19.991 min
Delta R.T.: -0.005 min
Response: 661665
Conc: 4.88 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.711 min
Delta R.T.: -0.004 min
Response: 616961
Conc: 4.55 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.596 min
Delta R.T.: 0.000 min
Response: 567183
Conc: 4.22 ug/ml