

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080323AL\
 Data File : FC064327.D
 Signal(s) : FID1A.ch
 Acq On : 04 Aug 2023 10:50
 Operator : YP/AJ
 Sample : 03572-01
 Misc : LOD 1 PPM
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-01-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 01:59:03 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	2555703	20.266 ug/ml
Spiked Amount 50.000		Recovery =	40.53%
Target Compounds			
1) T n-Nonane (C9)	3.311	180490	1.112 ug/ml
2) T n-Decane (C10)	4.371	219981	1.345 ug/ml
4) T n-Dodecane (C12)	6.380	314833	1.928 ug/ml
6) T n-Tetradecane (C14)	8.171	295200	1.880 ug/ml
7) T n-Hexadecane (C16)	9.768	262842	1.672 ug/ml
8) T n-Octadecane (C18)	11.203	316269	1.996 ug/ml
10) T n-Eicosane (C20)	12.507	319063	2.138 ug/ml
11) T n-Heneicosane (C21)	13.117	293383	2.010 ug/ml
13) T n-Docosane (C22)	13.703	286296	2.006 ug/ml
14) T n-Tetracosane (C24)	14.801	282802	2.013 ug/ml
15) T n-Hexacosane (C26)	15.819	275886	2.009 ug/ml
16) T n-Octacosane (C28)	16.765	287986	2.148 ug/ml
17) T n-Tricontane (C30)	17.647	305440	2.201 ug/ml
18) T n-Dotriacontane (C32)	18.474	323857	2.301 ug/ml
19) T n-Tetratriacontane (C34)	19.256	300039	2.161 ug/ml
20) T n-Hexatriacontane (C36)	19.992	267724	1.973 ug/ml
21) T n-Octatriacontane (C38)	20.714	236452	1.743 ug/ml
22) T n-Tetracontane (C40)	21.601	187417	1.395 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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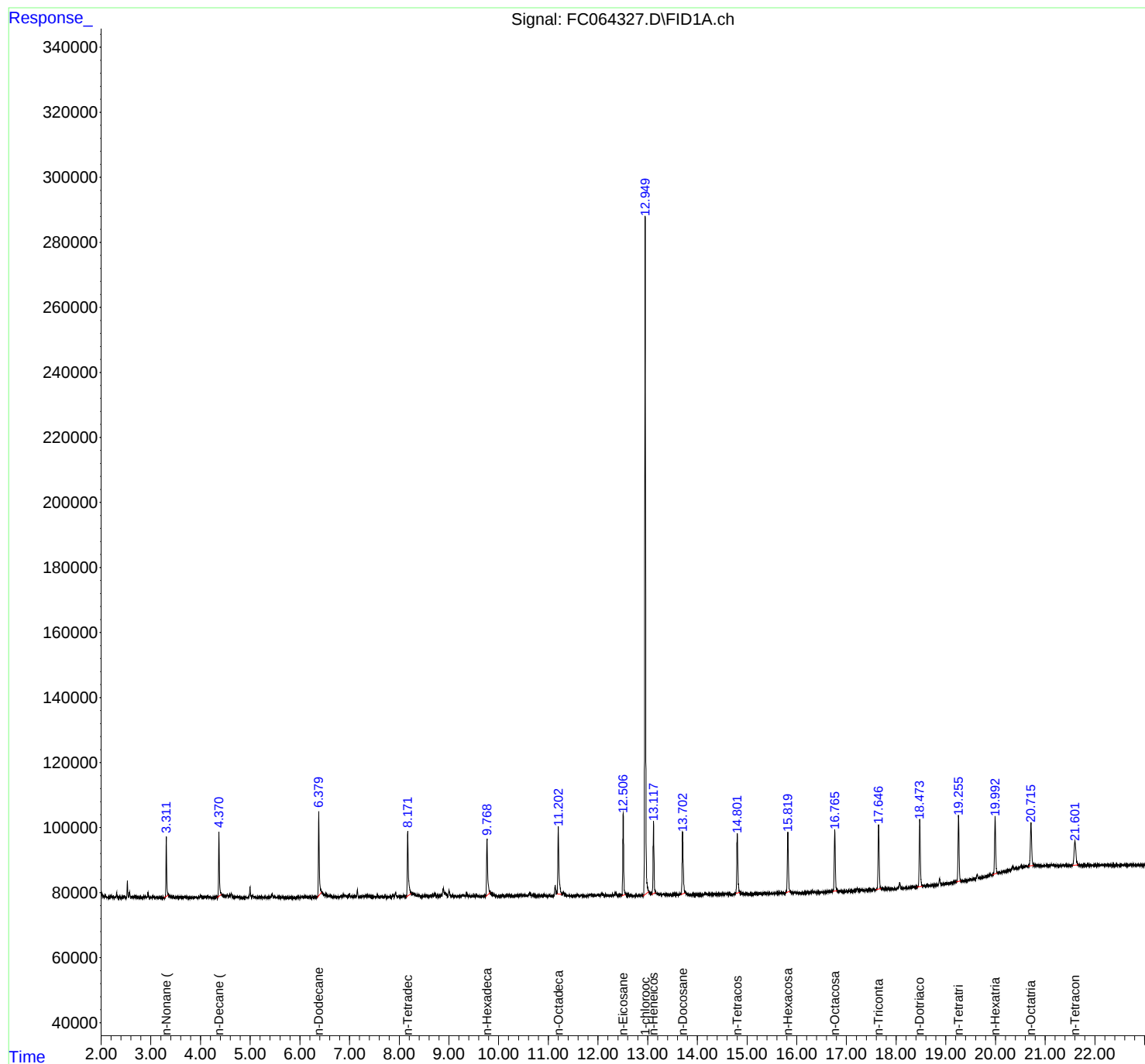
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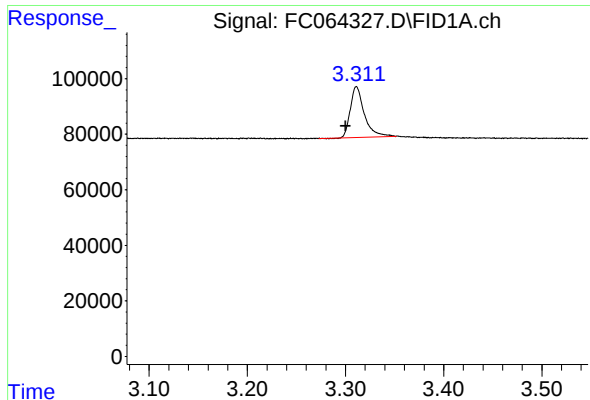
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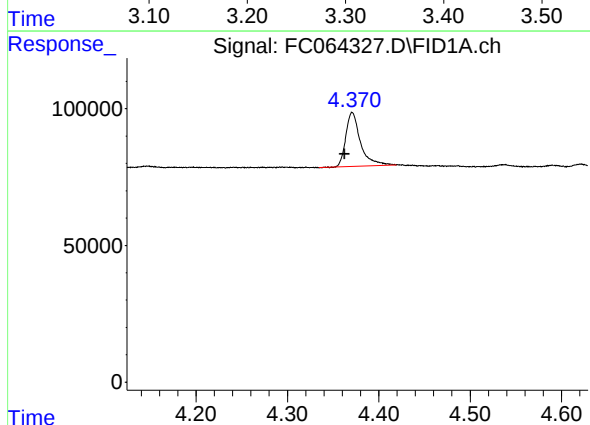
#1 n-Nonane (C9)

R.T.: 3.311 min
Delta R.T.: 0.011 min
Response: 180490
Conc: 1.11 ug/ml

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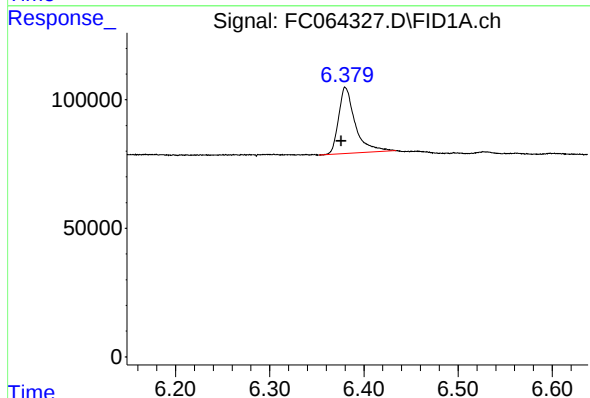
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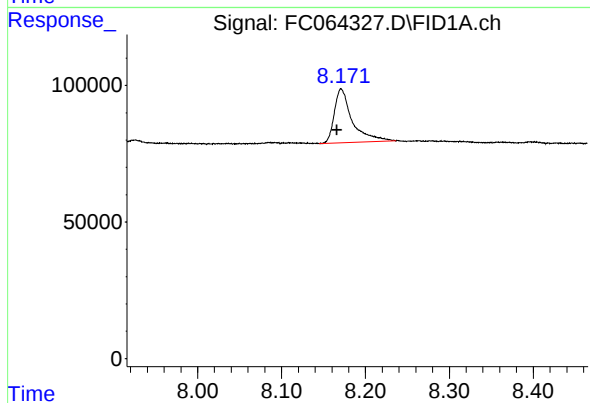
#2 n-Decane (C10)

R.T.: 4.371 min
Delta R.T.: 0.008 min
Response: 219981
Conc: 1.35 ug/ml



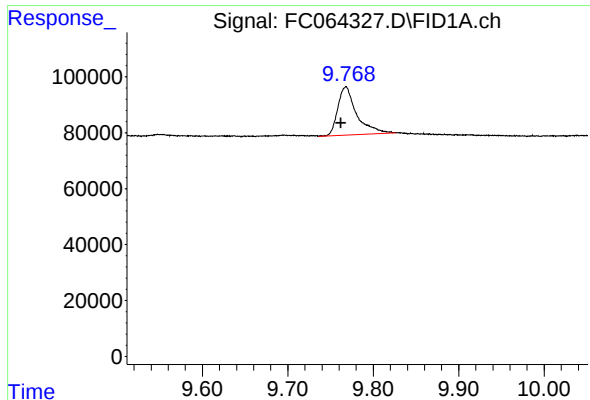
#4 n-Dodecane (C12)

R.T.: 6.380 min
Delta R.T.: 0.005 min
Response: 314833
Conc: 1.93 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.171 min
Delta R.T.: 0.005 min
Response: 295200
Conc: 1.88 ug/ml



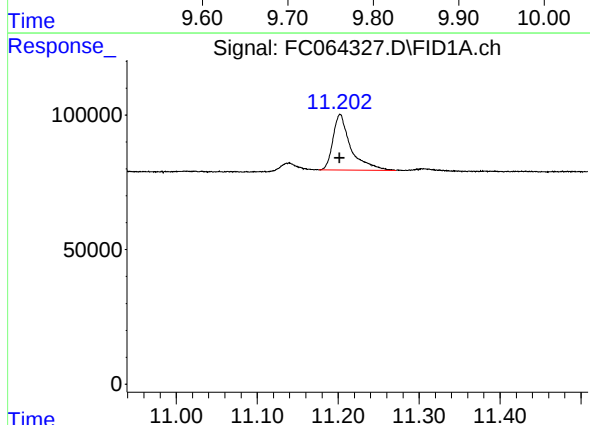
#7 n-Hexadecane (C16)

R.T.: 9.768 min
Delta R.T.: 0.006 min
Response: 262842
Conc: 1.67 ug/ml

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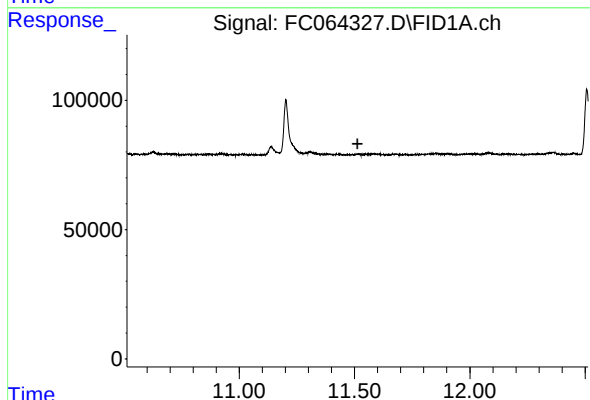
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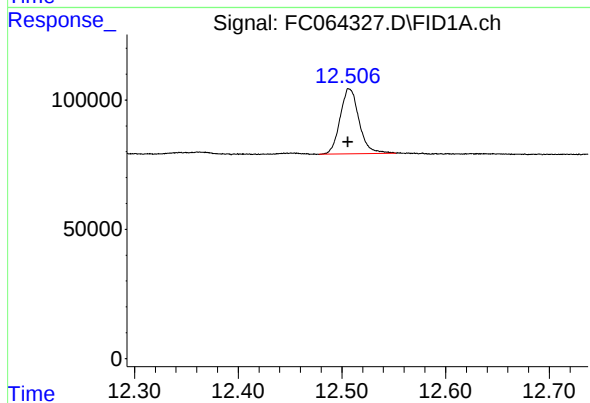
#8 n-Octadecane (C18)

R.T.: 11.203 min
Delta R.T.: 0.000 min
Response: 316269
Conc: 2.00 ug/ml



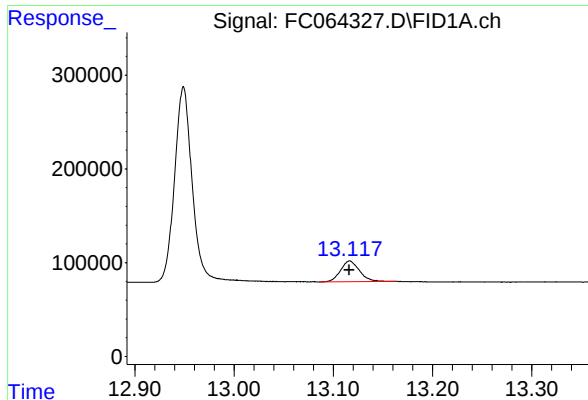
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.507 min
Delta R.T.: 0.002 min
Response: 319063
Conc: 2.14 ug/ml



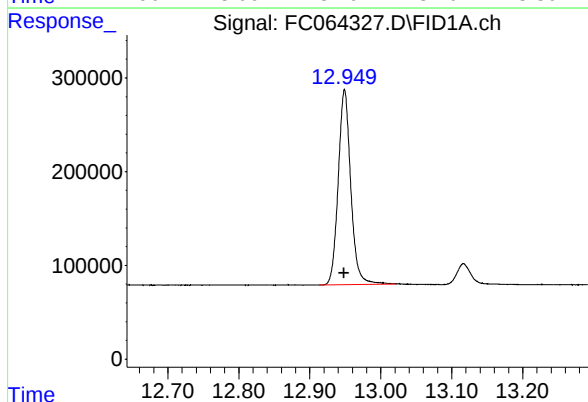
#11 n-Heneicosane (C21)

R.T.: 13.117 min
Delta R.T.: 0.000 min
Response: 293383
Conc: 2.01 ug/ml

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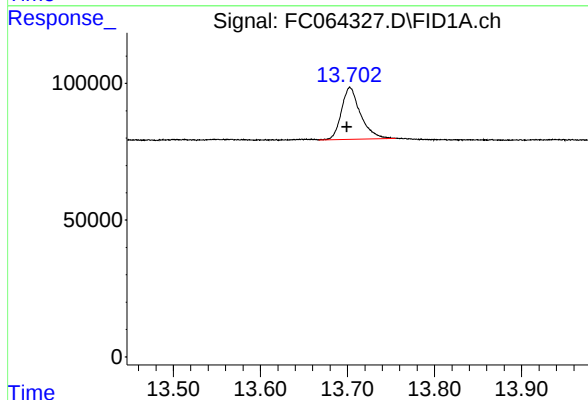
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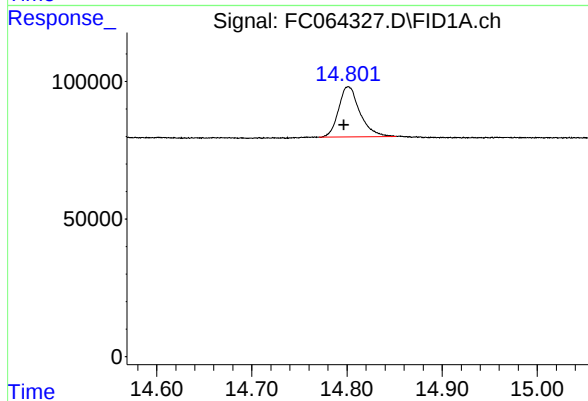
#12 1-chlorooctadecane (SURR)

R.T.: 12.949 min
Delta R.T.: 0.000 min
Response: 2555703
Conc: 20.27 ug/ml



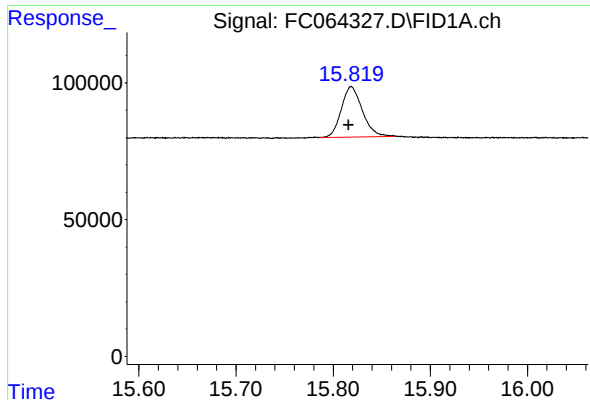
#13 n-Docosane (C22)

R.T.: 13.703 min
Delta R.T.: 0.004 min
Response: 286296
Conc: 2.01 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.801 min
Delta R.T.: 0.004 min
Response: 282802
Conc: 2.01 ug/ml



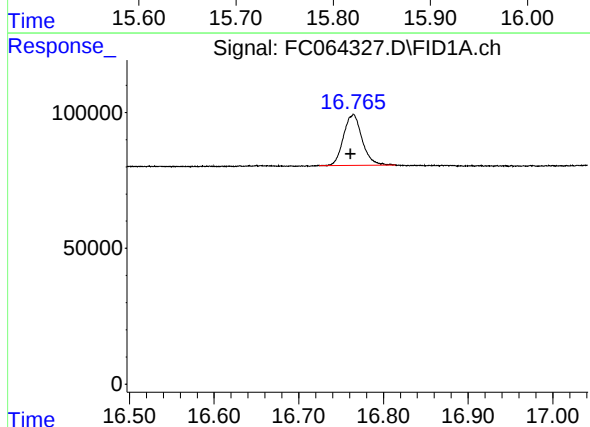
#15 n-Hexacosane (C26)

R.T.: 15.819 min
Delta R.T.: 0.003 min
Response: 275886
Conc: 2.01 ug/ml

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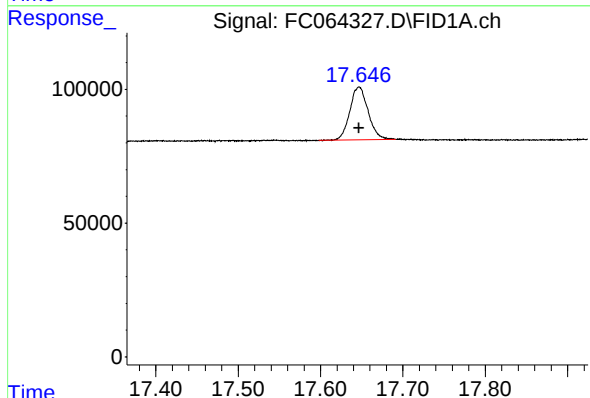
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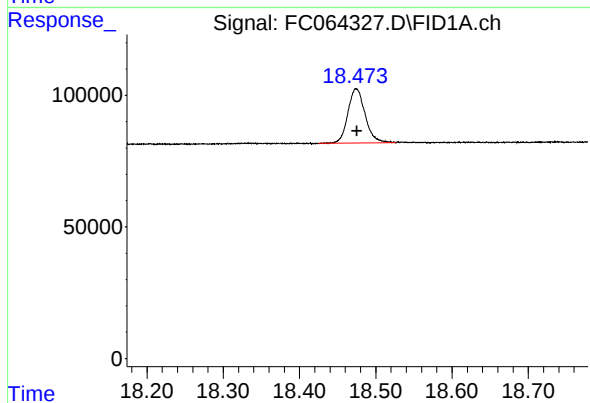
#16 n-Octacosane (C28)

R.T.: 16.765 min
Delta R.T.: 0.003 min
Response: 287986
Conc: 2.15 ug/ml



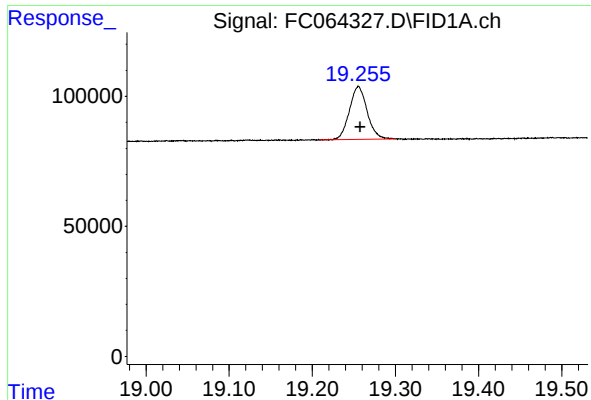
#17 n-Tricontane (C30)

R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 305440
Conc: 2.20 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 323857
Conc: 2.30 ug/ml



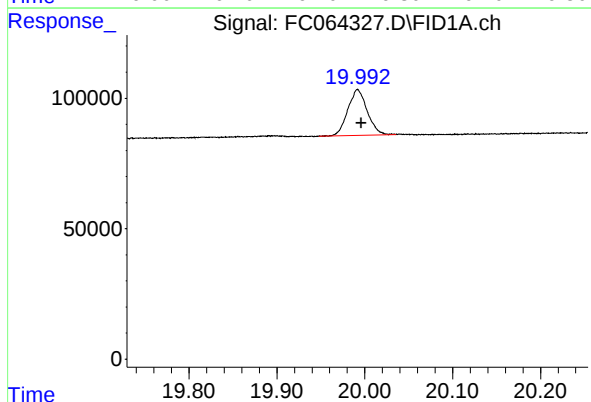
#19 n-Tetratriacontane (C34)

R.T.: 19.256 min
Delta R.T.: -0.002 min
Response: 300039
Conc: 2.16 ug/ml

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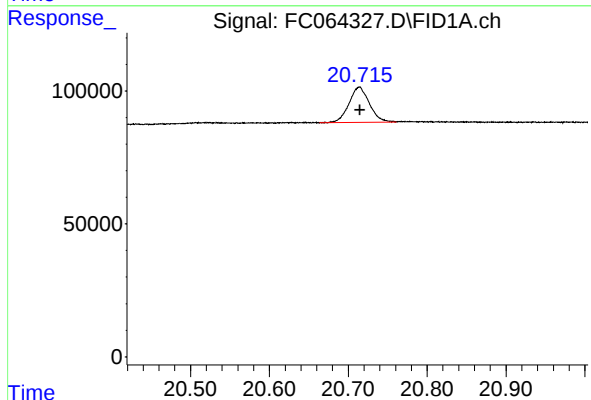
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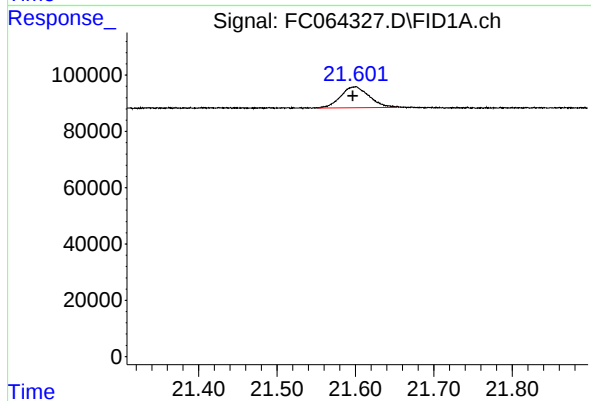
#20 n-Hexatriacontane (C36)

R.T.: 19.992 min
Delta R.T.: -0.004 min
Response: 267724
Conc: 1.97 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.714 min
Delta R.T.: 0.000 min
Response: 236452
Conc: 1.74 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.601 min
Delta R.T.: 0.004 min
Response: 187417
Conc: 1.40 ug/ml m