

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080823AL\
 Data File : FC064345.D
 Signal(s) : FID1A.ch
 Acq On : 08 Aug 2023 10:00
 Operator : YP/AJ
 Sample : 03572-03
 Misc : MDL 2.5 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/09/2023
 Supervised By :Ankita Jodhani 08/09/2023

Integration File: autoint1.e
 Quant Time: Aug 09 02:02:46 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...	12.950	5362401	42.521 ug/ml
Spiked Amount 50.000		Recovery =	85.04%
Target Compounds			
1) T n-Nonane (C9)	3.309	322710	1.989 ug/mlm
2) T n-Decane (C10)	4.370	300634	1.839 ug/mlm
4) T n-Dodecane (C12)	6.382	298305	1.827 ug/mlm
6) T n-Tetradecane (C14)	8.173	344905	2.197 ug/mlm
7) T n-Hexadecane (C16)	9.772	306121	1.947 ug/mlm
8) T n-Octadecane (C18)	11.203	399222	2.520 ug/mlm
10) T n-Eicosane (C20)	12.509	291521	1.953 ug/ml
11) T n-Heneicosane (C21)	13.117	297551	2.039 ug/ml
13) T n-Docosane (C22)	13.705	294710	2.065 ug/mlm
14) T n-Tetracosane (C24)	14.804	290304	2.067 ug/mlm
15) T n-Hexacosane (C26)	15.821	280463	2.042 ug/mlm
16) T n-Octacosane (C28)	16.766	286708	2.138 ug/mlm
17) T n-Tricontane (C30)	17.650	278527	2.007 ug/ml
18) T n-Dotriacontane (C32)	18.480	284937	2.025 ug/ml
19) T n-Tetratriacontane (C34)	19.260	257212	1.853 ug/ml
20) T n-Hexatriacontane (C36)	19.999	224015	1.651 ug/mlm
21) T n-Octatriacontane (C38)	20.721	174379	1.286 ug/ml
22) T n-Tetracontane (C40)	21.608	151565	1.128 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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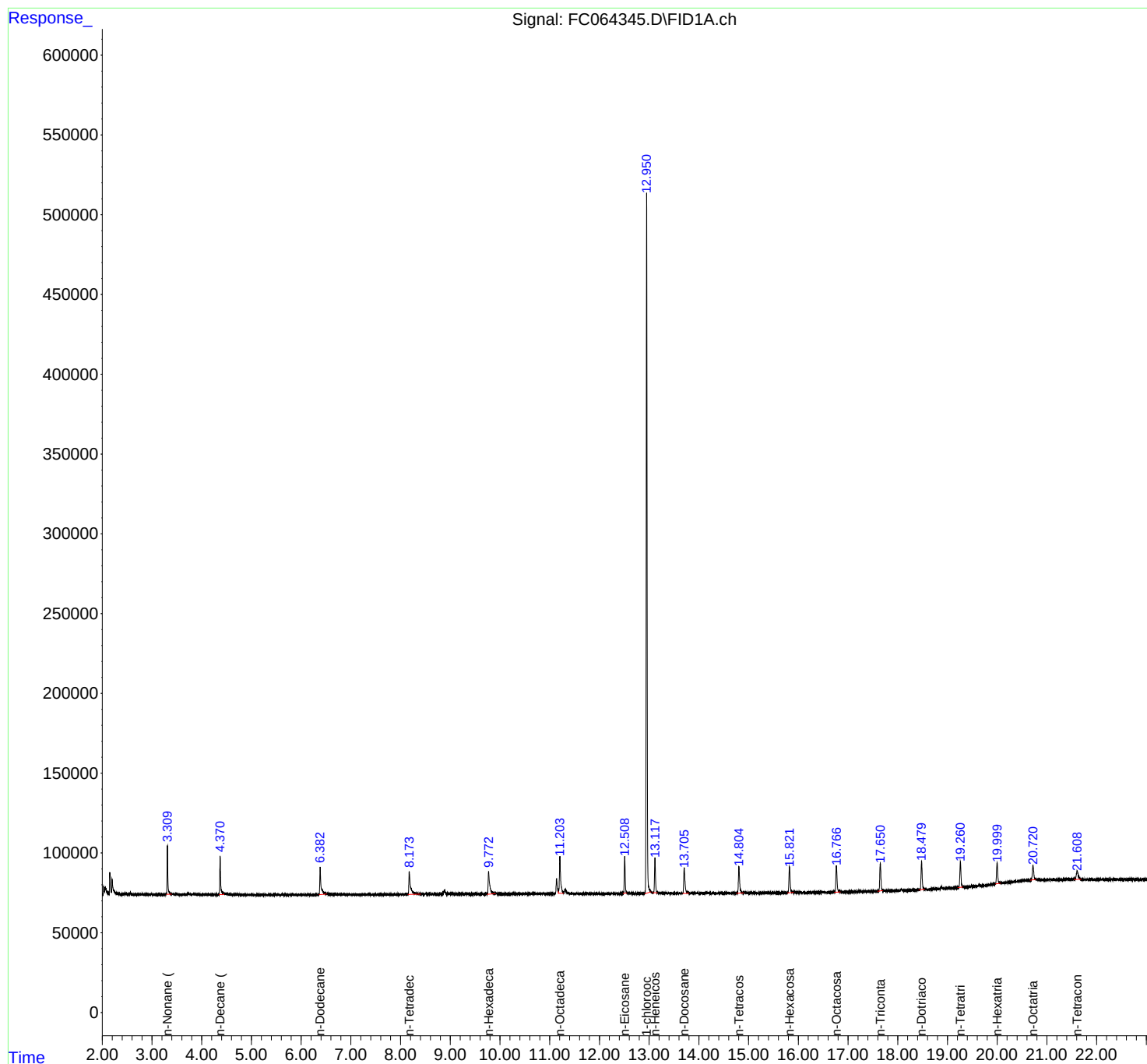
Instrument :
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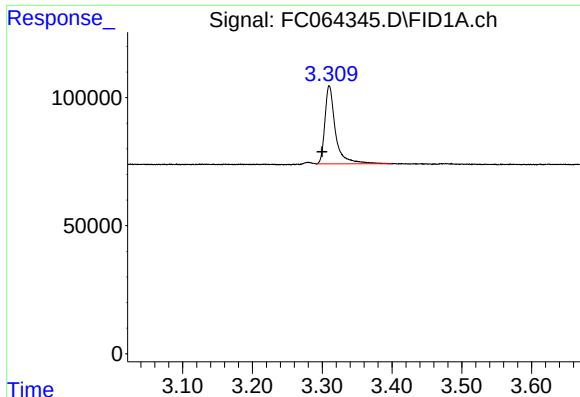
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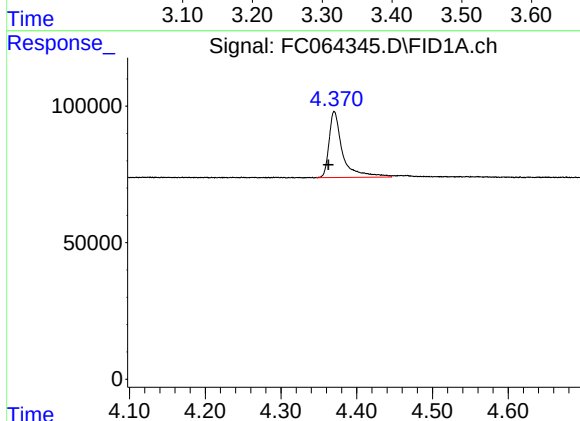
#1 n-Nonane (C9)

R.T.: 3.309 min
Delta R.T.: 0.009 min
Response: 322710
Conc: 1.99 ug/ml

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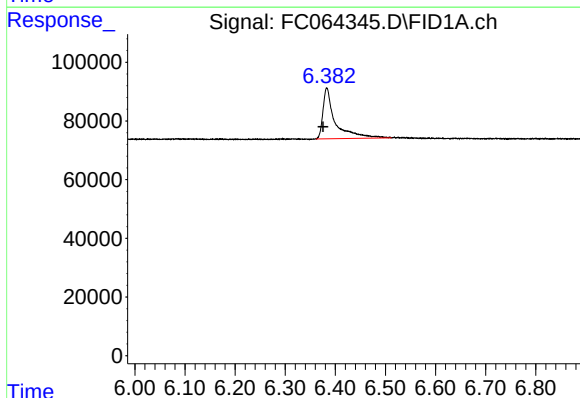
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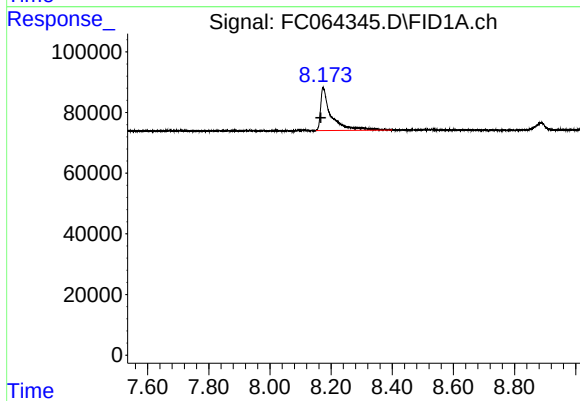
#2 n-Decane (C10)

R.T.: 4.370 min
Delta R.T.: 0.007 min
Response: 300634
Conc: 1.84 ug/ml m



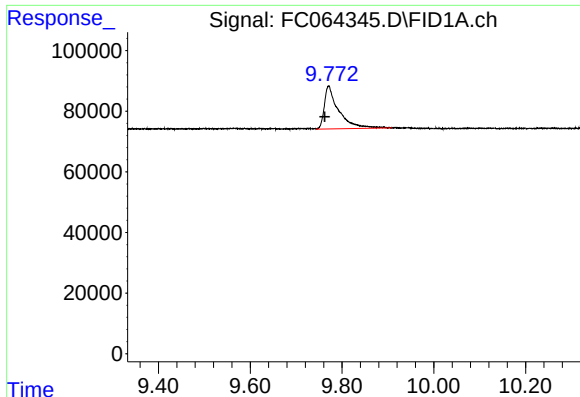
#4 n-Dodecane (C12)

R.T.: 6.382 min
Delta R.T.: 0.006 min
Response: 298305
Conc: 1.83 ug/ml m



#6 n-Tetradecane (C14)

R.T.: 8.173 min
Delta R.T.: 0.007 min
Response: 344905
Conc: 2.20 ug/ml m



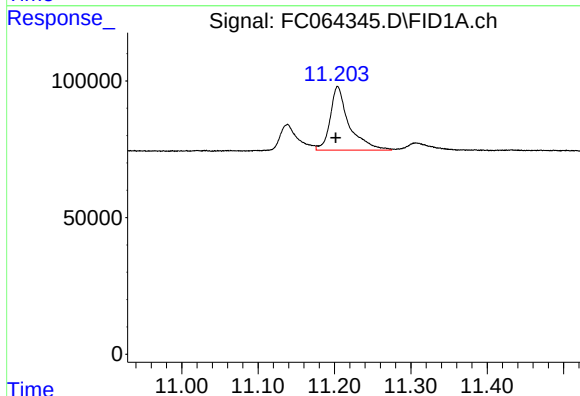
#7 n-Hexadecane (C16)

R.T.: 9.772 min
Delta R.T.: 0.010 min
Response: 306121
Conc: 1.95 ug/ml

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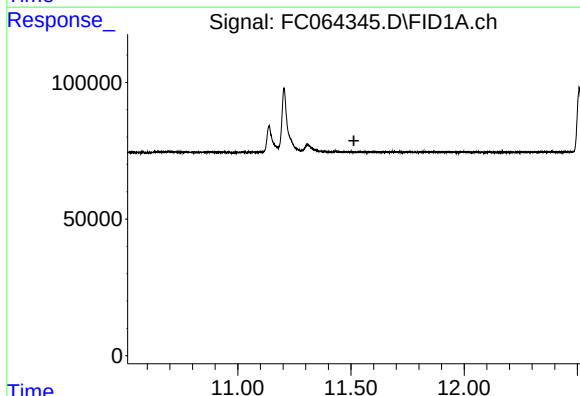
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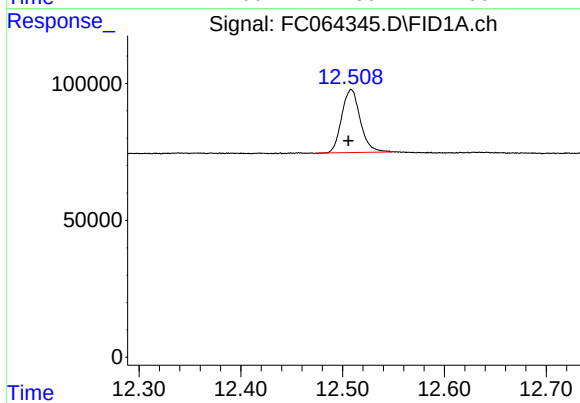
#8 n-Octadecane (C18)

R.T.: 11.203 min
Delta R.T.: 0.002 min
Response: 399222
Conc: 2.52 ug/ml m



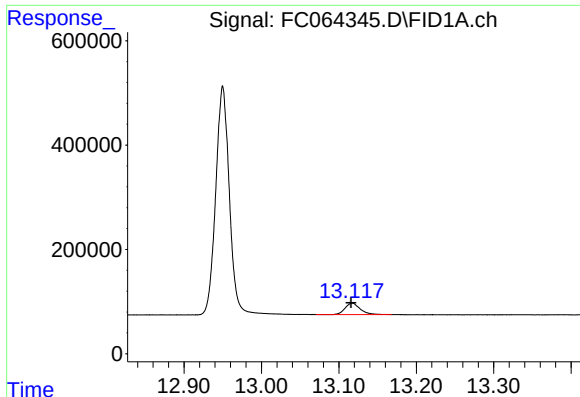
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.509 min
Delta R.T.: 0.003 min
Response: 291521
Conc: 1.95 ug/ml



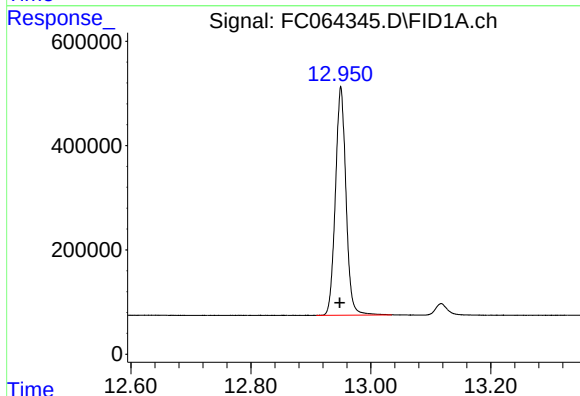
#11 n-Heneicosane (C21)

R.T.: 13.117 min
Delta R.T.: 0.002 min
Response: 297551
Conc: 2.04 ug/ml

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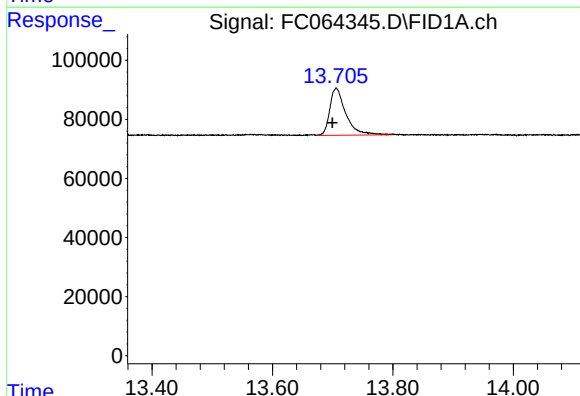
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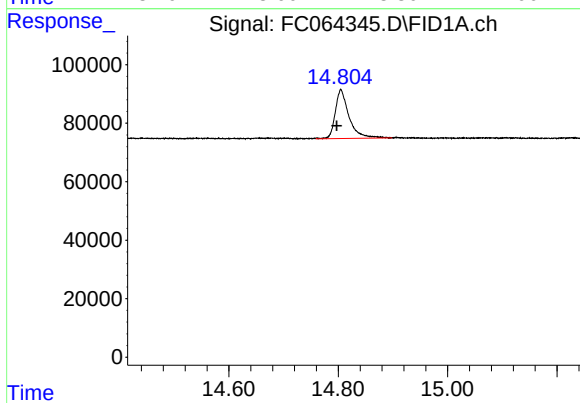
#12 1-chlorooctadecane (SURR)

R.T.: 12.950 min
Delta R.T.: 0.002 min
Response: 5362401
Conc: 42.52 ug/ml



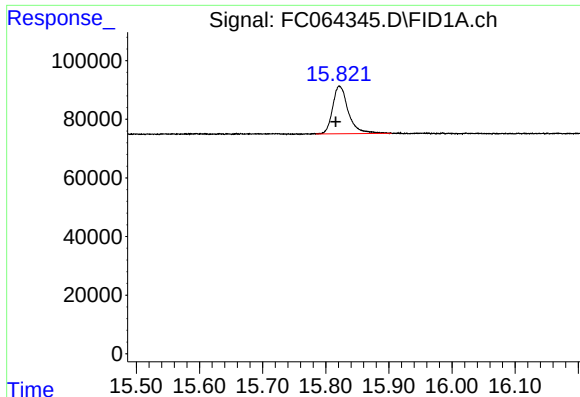
#13 n-Docosane (C22)

R.T.: 13.705 min
Delta R.T.: 0.006 min
Response: 294710
Conc: 2.06 ug/ml m



#14 n-Tetracosane (C24)

R.T.: 14.804 min
Delta R.T.: 0.007 min
Response: 290304
Conc: 2.07 ug/ml m



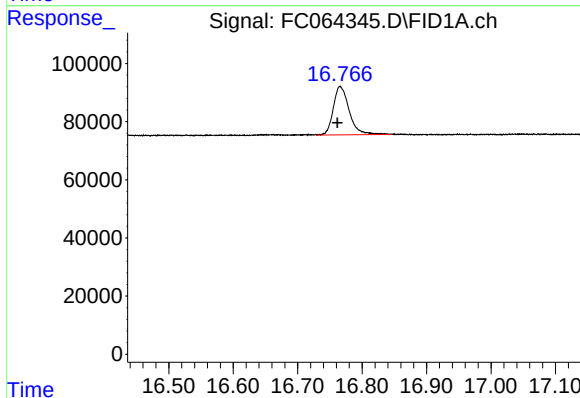
#15 n-Hexacosane (C26)

R.T.: 15.821 min
Delta R.T.: 0.005 min
Response: 280463
Conc: 2.04 ug/ml

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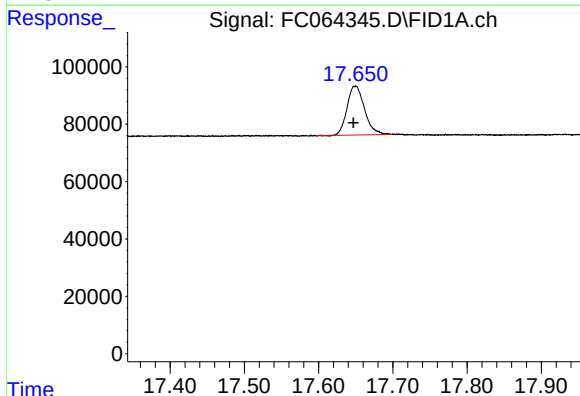
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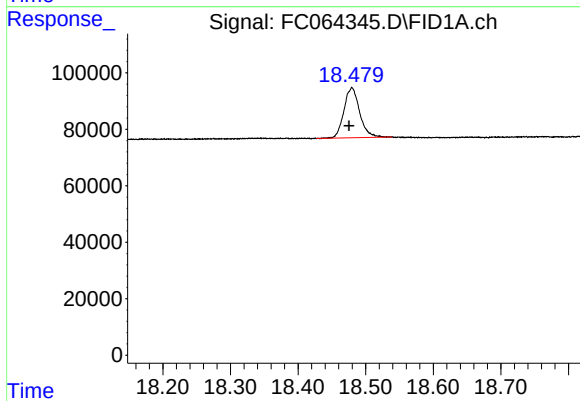
#16 n-Octacosane (C28)

R.T.: 16.766 min
Delta R.T.: 0.005 min
Response: 286708
Conc: 2.14 ug/ml m



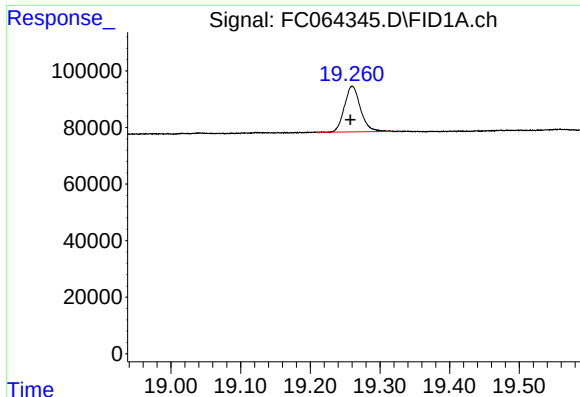
#17 n-Tricontane (C30)

R.T.: 17.650 min
Delta R.T.: 0.003 min
Response: 278527
Conc: 2.01 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.480 min
Delta R.T.: 0.005 min
Response: 284937
Conc: 2.02 ug/ml



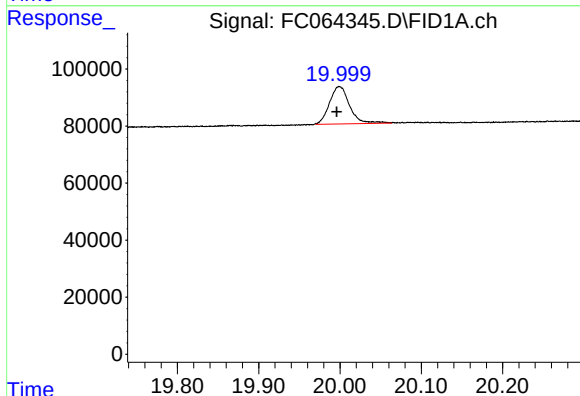
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.002 min
Response: 257212
Conc: 1.85 ug/ml

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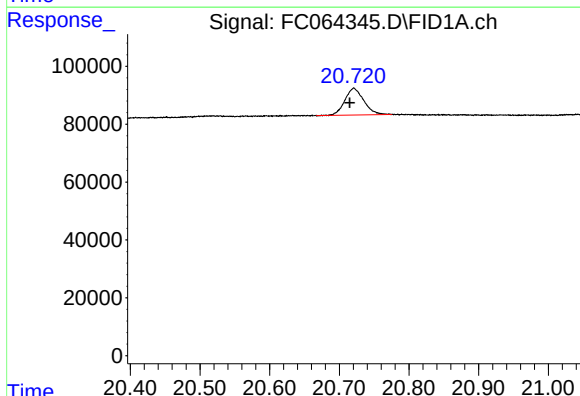
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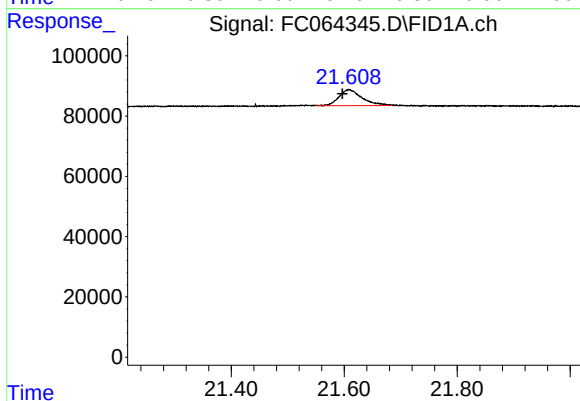
#20 n-Hexatriacontane (C36)

R.T.: 19.999 min
Delta R.T.: 0.003 min
Response: 224015
Conc: 1.65 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 20.721 min
Delta R.T.: 0.006 min
Response: 174379
Conc: 1.29 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.608 min
Delta R.T.: 0.011 min
Response: 151565
Conc: 1.13 ug/ml m