

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080723AL\
 Data File : FC064336.D
 Signal(s) : FID1A.ch
 Acq On : 07 Aug 2023 14:05
 Operator : YP/AJ
 Sample : 03572-07
 Misc : LOD 2.5 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2023

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Aug 08 02:48:59 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	5231388	41.483 ug/ml
Spiked Amount 50.000		Recovery =	82.97%
Target Compounds			
1) T n-Nonane (C9)	3.309	302648	1.865 ug/mlm
2) T n-Decane (C10)	4.370	267762	1.637 ug/ml
4) T n-Dodecane (C12)	6.382	227823	1.396 ug/ml
6) T n-Tetradecane (C14)	8.174	246135	1.568 ug/ml
7) T n-Hexadecane (C16)	9.771	259769	1.652 ug/ml
8) T n-Octadecane (C18)	11.205	387272	2.444 ug/ml
10) T n-Eicosane (C20)	12.509	295487	1.980 ug/ml
11) T n-Heneicosane (C21)	13.117	288442	1.976 ug/ml
13) T n-Docosane (C22)	13.706	267487	1.874 ug/ml
14) T n-Tetracosane (C24)	14.803	255072	1.816 ug/ml
15) T n-Hexacosane (C26)	15.821	258832	1.885 ug/ml
16) T n-Octacosane (C28)	16.767	262688	1.959 ug/ml
17) T n-Tricontane (C30)	17.650	265717	1.914 ug/ml
18) T n-Dotriacontane (C32)	18.478	269884	1.918 ug/ml
19) T n-Tetratriacontane (C34)	19.259	247123	1.780 ug/ml
20) T n-Hexatriacontane (C36)	19.995	204546	1.507 ug/ml
21) T n-Octatriacontane (C38)	20.717	177322	1.307 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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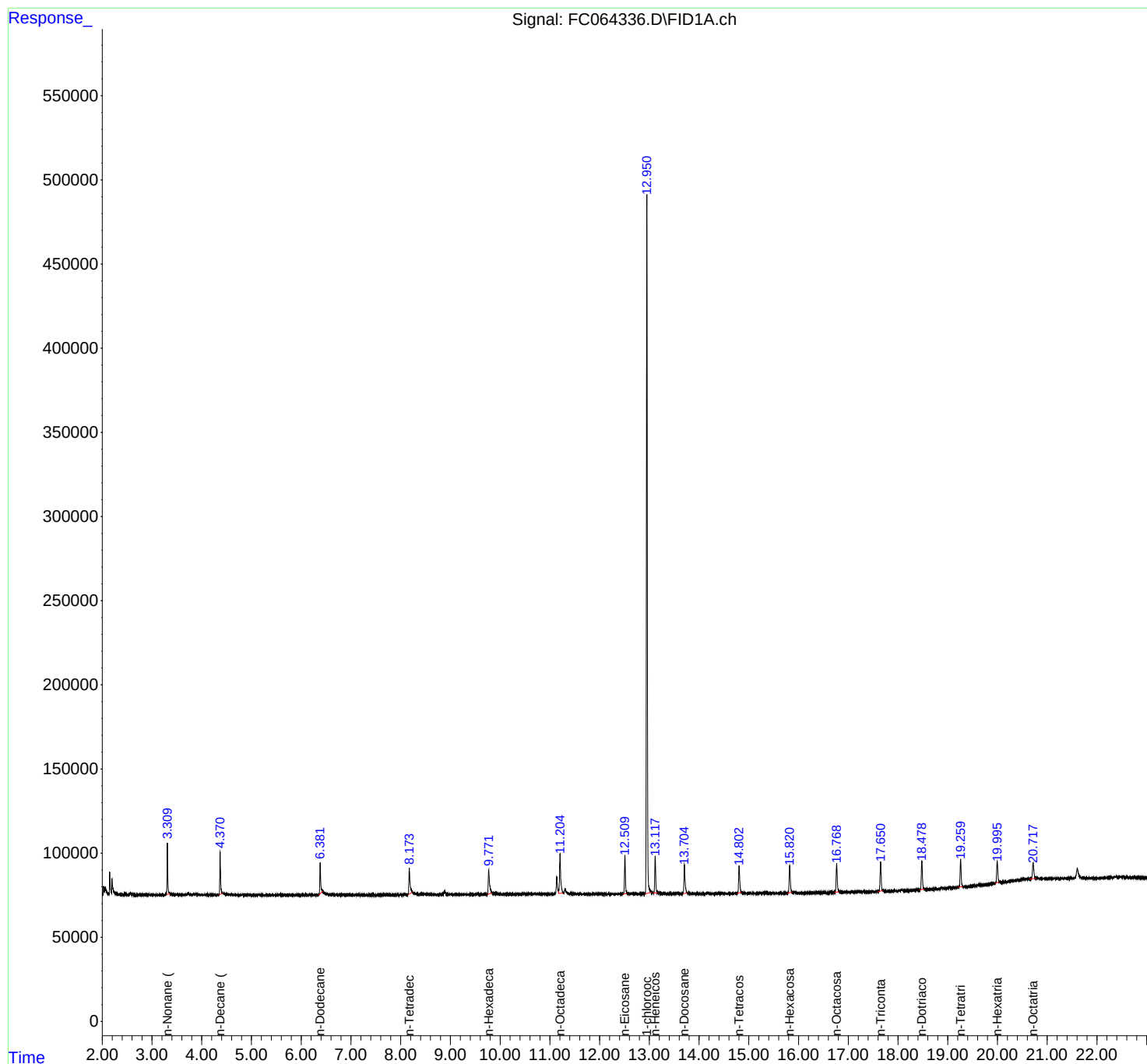
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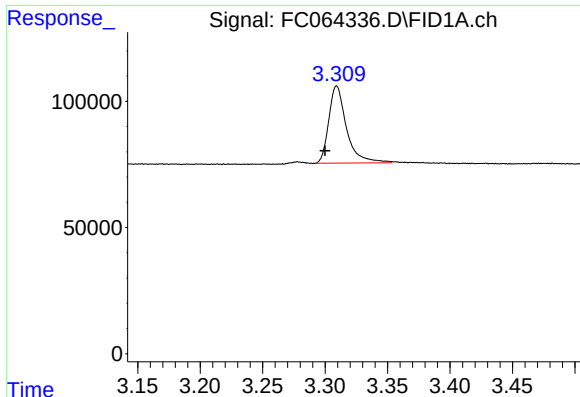
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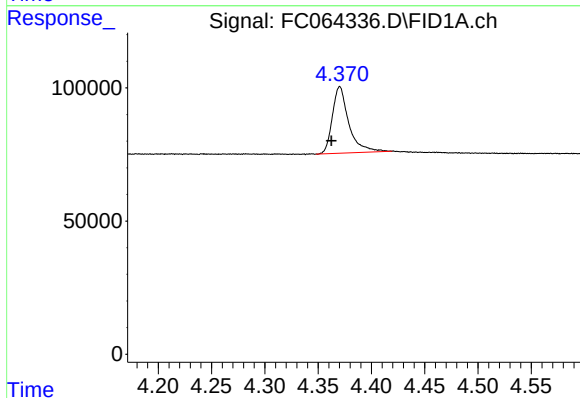
#1 n-Nonane (C9)

R.T.: 3.309 min
Delta R.T.: 0.009 min
Response: 302648
Conc: 1.87 ug/ml

Instrument :
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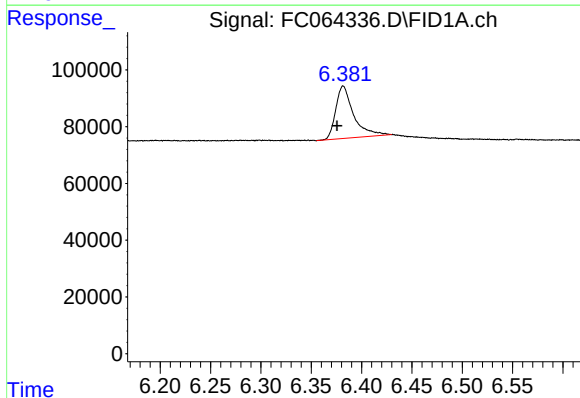
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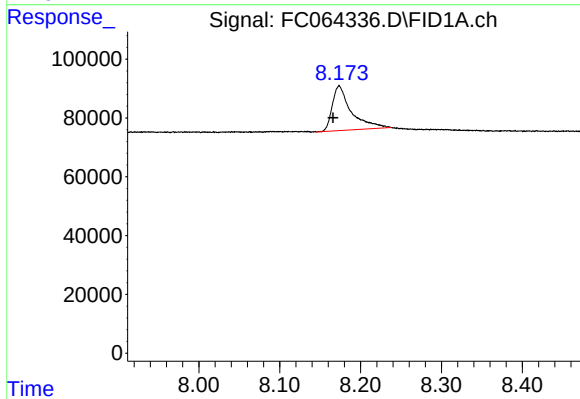
#2 n-Decane (C10)

R.T.: 4.370 min
Delta R.T.: 0.008 min
Response: 267762
Conc: 1.64 ug/ml



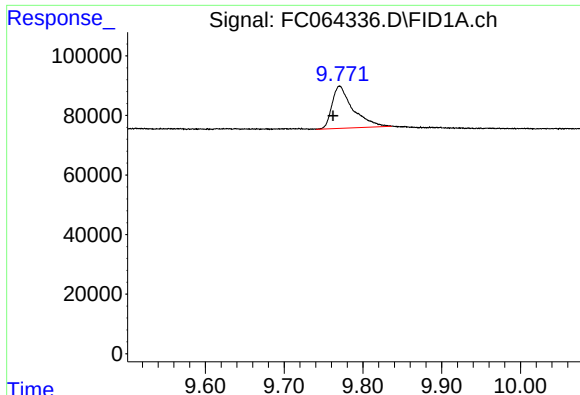
#4 n-Dodecane (C12)

R.T.: 6.382 min
Delta R.T.: 0.006 min
Response: 227823
Conc: 1.40 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.174 min
Delta R.T.: 0.007 min
Response: 246135
Conc: 1.57 ug/ml



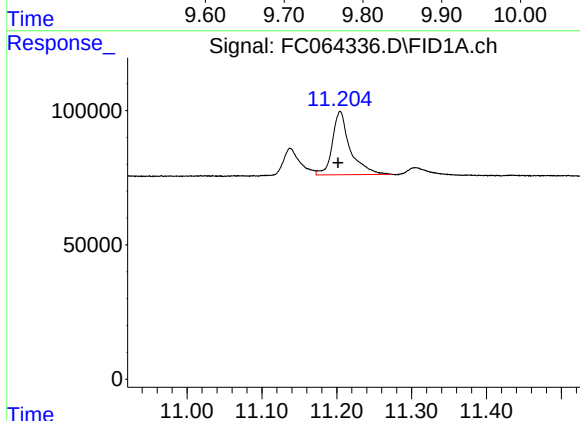
#7 n-Hexadecane (C16)

R.T.: 9.771 min
Delta R.T.: 0.009 min
Response: 259769
Conc: 1.65 ug/ml

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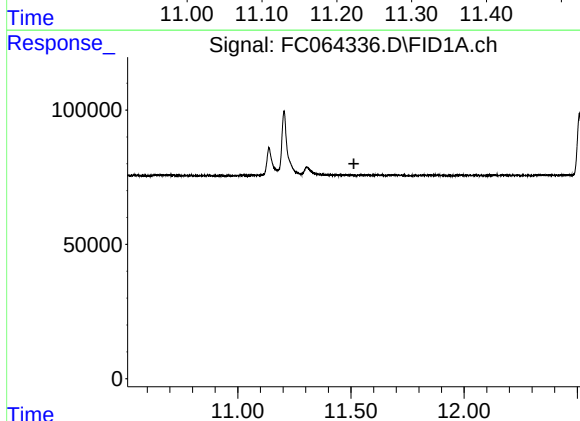
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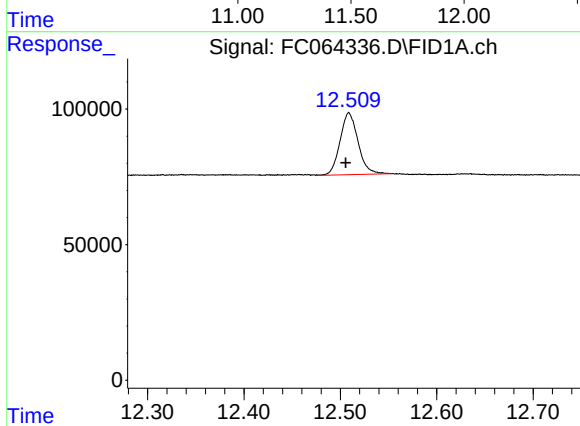
#8 n-Octadecane (C18)

R.T.: 11.205 min
Delta R.T.: 0.003 min
Response: 387272
Conc: 2.44 ug/ml



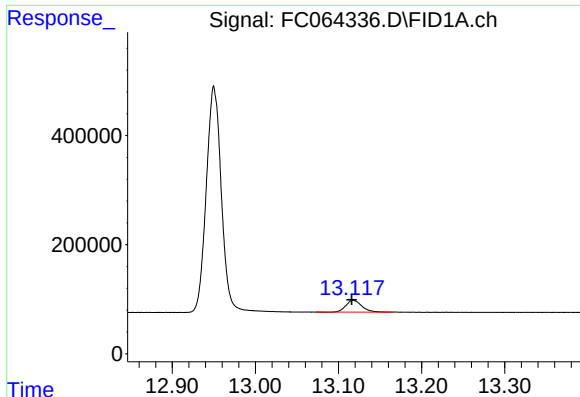
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.509 min
Delta R.T.: 0.003 min
Response: 295487
Conc: 1.98 ug/ml



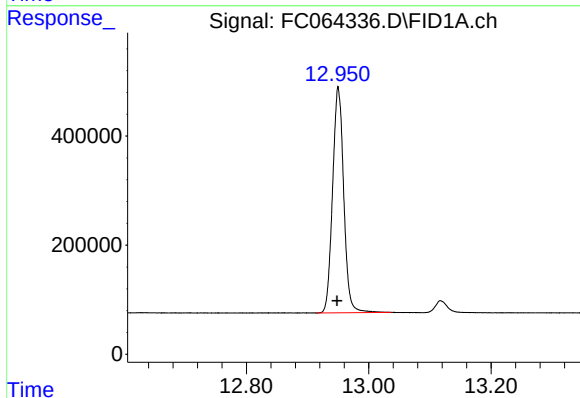
#11 n-Heneicosane (C21)

R.T.: 13.117 min
Delta R.T.: 0.001 min
Response: 288442
Conc: 1.98 ug/ml

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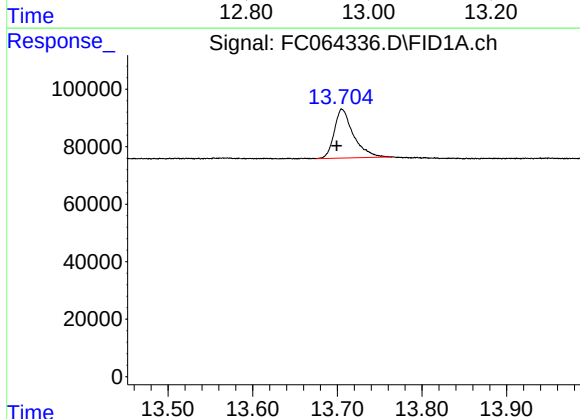
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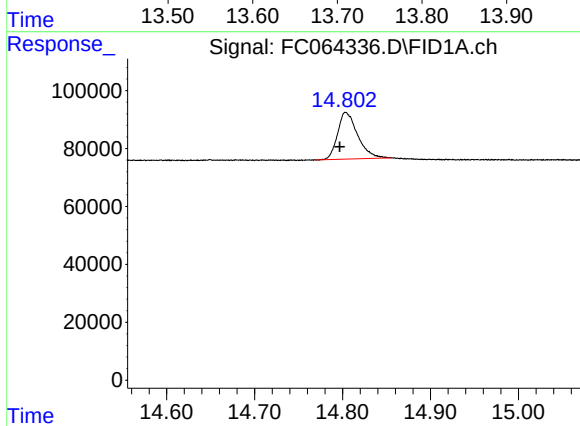
#12 1-chlorooctadecane (SURR)

R.T.: 12.950 min
Delta R.T.: 0.002 min
Response: 5231388
Conc: 41.48 ug/ml



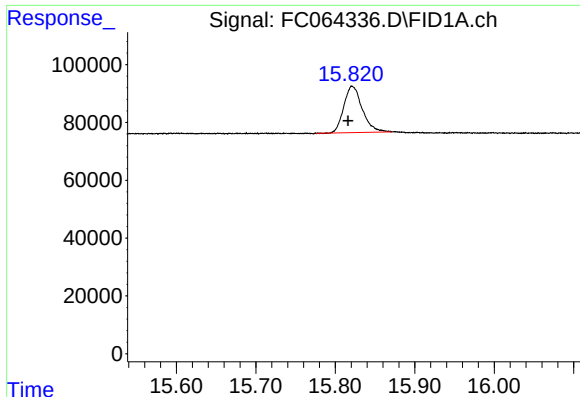
#13 n-Docosane (C22)

R.T.: 13.706 min
Delta R.T.: 0.006 min
Response: 267487
Conc: 1.87 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.803 min
Delta R.T.: 0.007 min
Response: 255072
Conc: 1.82 ug/ml



#15 n-Hexacosane (C26)

R.T.: 15.821 min
Delta R.T.: 0.005 min
Response: 258832
Conc: 1.88 ug/ml

Instrument :

FID_C

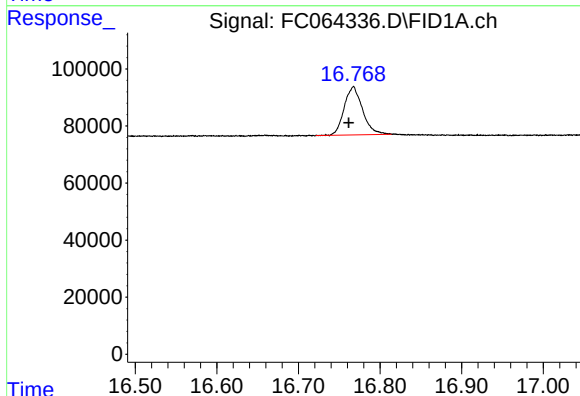
ClientSampleId :

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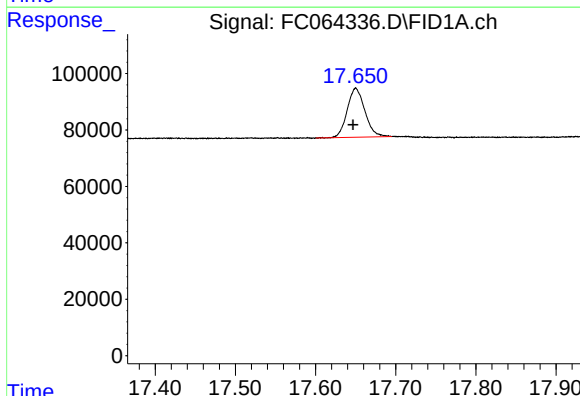
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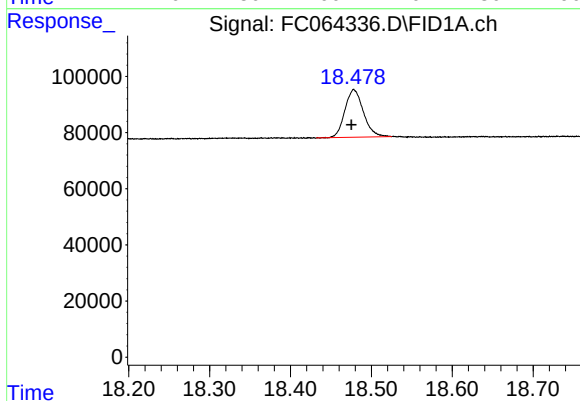
#16 n-Octacosane (C28)

R.T.: 16.767 min
Delta R.T.: 0.006 min
Response: 262688
Conc: 1.96 ug/ml



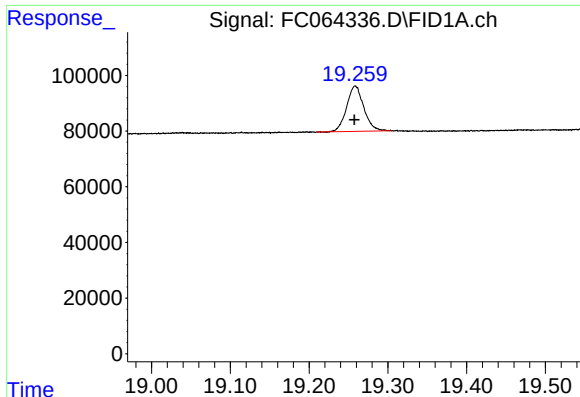
#17 n-Tricontane (C30)

R.T.: 17.650 min
Delta R.T.: 0.003 min
Response: 265717
Conc: 1.91 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: 0.003 min
Response: 269884
Conc: 1.92 ug/ml



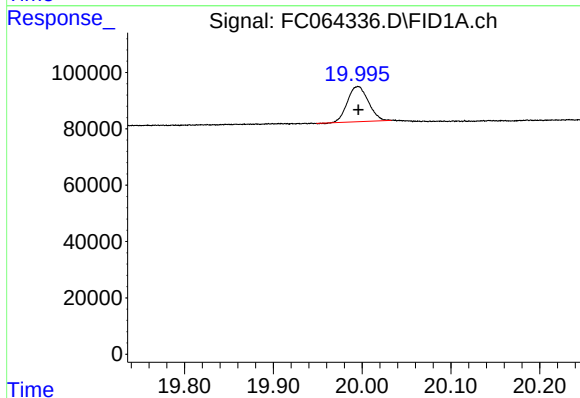
#19 n-Tetratriacontane (C34)

R.T.: 19.259 min
Delta R.T.: 0.000 min
Response: 247123
Conc: 1.78 ug/ml

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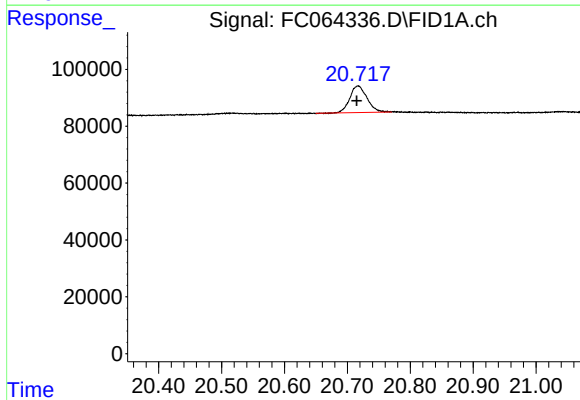
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#20 n-Hexatriacontane (C36)

R.T.: 19.995 min
Delta R.T.: 0.000 min
Response: 204546
Conc: 1.51 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.717 min
Delta R.T.: 0.002 min
Response: 177322
Conc: 1.31 ug/ml