

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061022AL\
 Data File : FC060186.D
 Signal(s) : FID1A.CH
 Acq On : 10 Jun 2022 11:41
 Operator : UA/NP
 Sample : N1645-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2022
 Supervised By :Ankita Jodhani 06/13/2022

Integration File: autoint1.e
 Quant Time: Jun 10 23:04:22 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052722.M
 Quant Title : GC Extractables
 QLast Update : Sat May 28 08:22:04 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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...	12.017	4240635	34.202 ug/ml
Spiked Amount 50.000		Recovery =	68.40%
Target Compounds			
1) T n-Nonane (C9)	2.640	247204	1.931 ug/ml
2) T n-Decane (C10)	3.637	332363	2.598 ug/ml
4) T n-Dodecane (C12)	5.583	522374	3.919 ug/ml
6) T n-Tetradecane (C14)	7.333	442016	3.238 ug/ml
7) T n-Hexadecane (C16)	8.894	465931	3.321 ug/ml
8) T n-Octadecane (C18)	10.301	505264	3.531 ug/ml
10) T n-Eicosane (C20)	11.580	537782	3.769 ug/ml
11) T n-Heneicosane (C21)	12.178	544778	3.801 ug/ml
13) T n-Docosane (C22)	12.750	545416	3.828 ug/ml
14) T n-Tetracosane (C24)	13.826	543358	3.872 ug/ml
15) T n-Hexacosane (C26)	14.823	524110	3.870 ug/ml
16) T n-Octacosane (C28)	15.751	517983	3.977 ug/ml
17) T n-Tricontane (C30)	16.619	521738	4.262 ug/mlm
18) T n-Dotriacontane (C32)	17.430	529518	4.749 ug/ml
19) T n-Tetratriacontane (C34)	18.195	441823	4.332 ug/ml
20) T n-Hexatriacontane (C36)	18.916	365354	3.858 ug/ml
21) T n-Octatriacontane (C38)	19.599	335329	3.635 ug/ml
22) T n-Tetracontane (C40)	20.247	332395	3.533 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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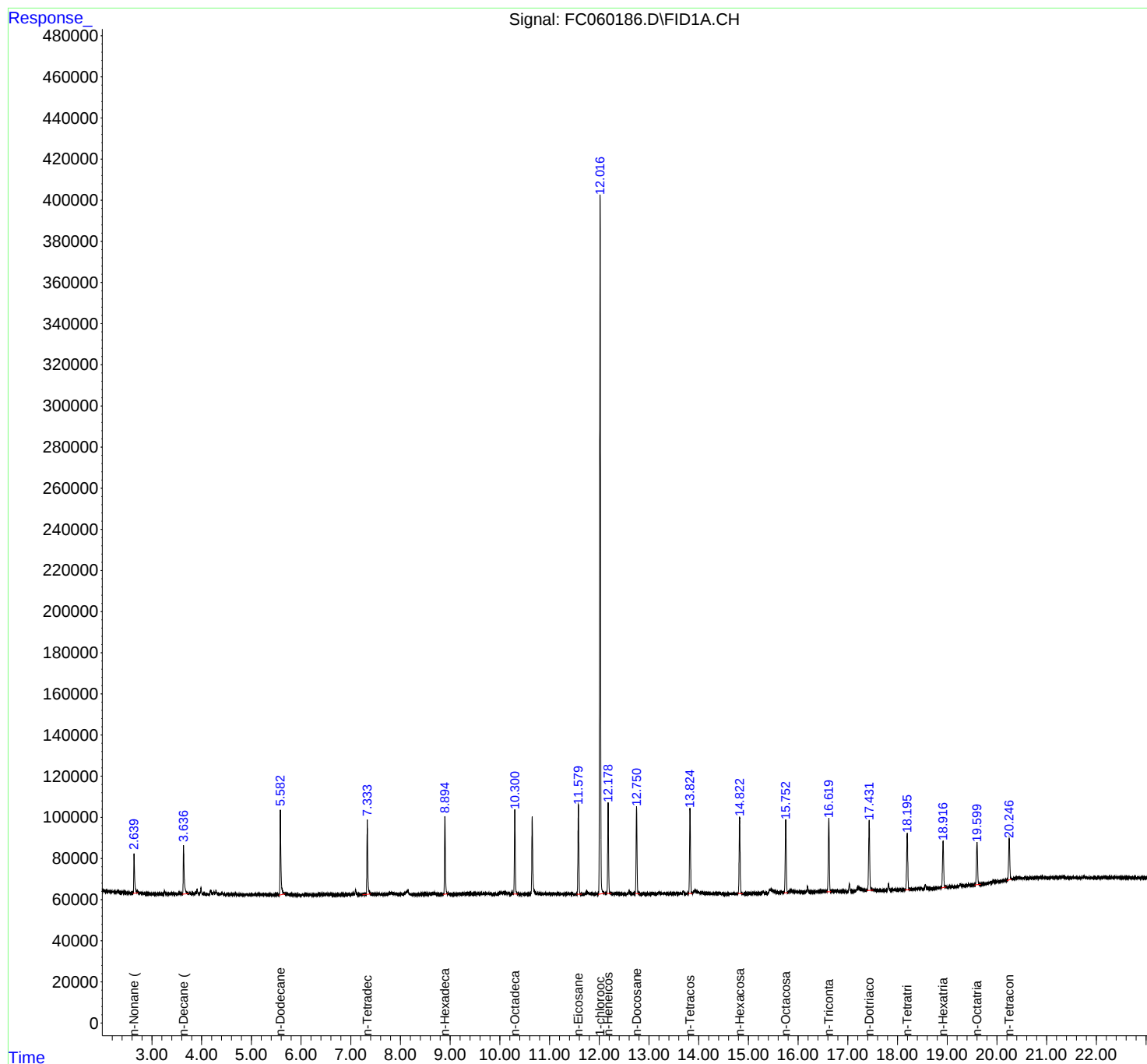
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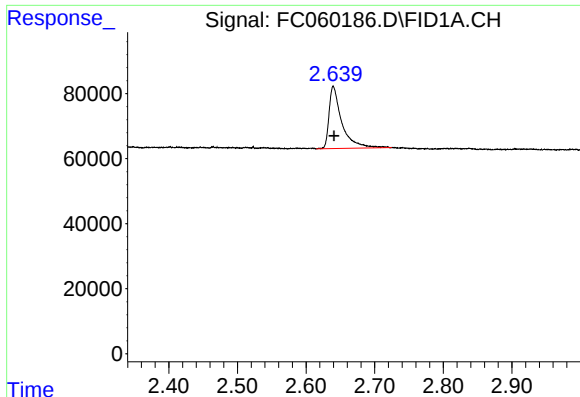
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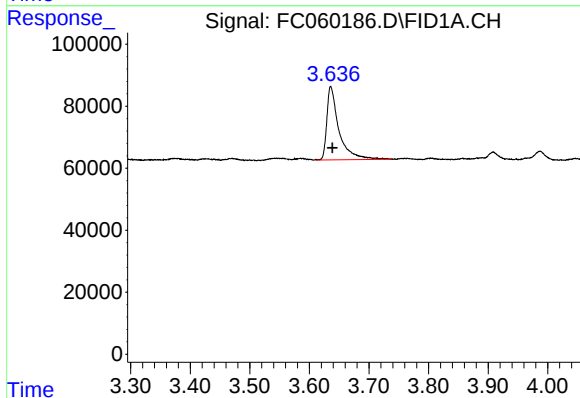
#1 n-Nonane (C9)

R.T.: 2.640 min
Delta R.T.: 0.000 min
Response: 247204
Conc: 1.93 ug/ml

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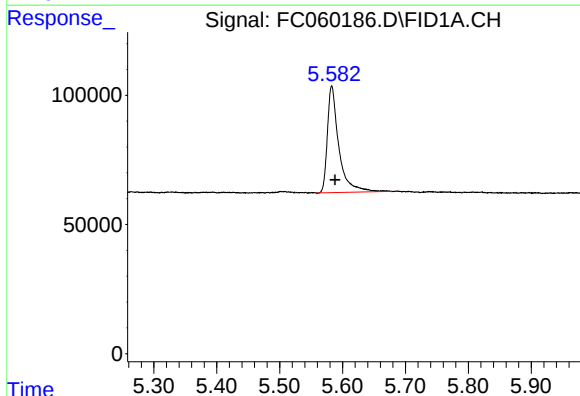
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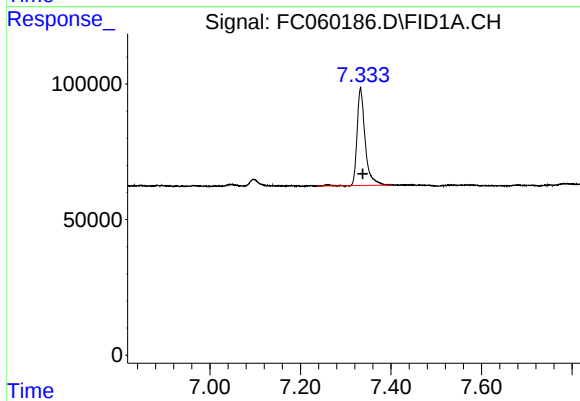
#2 n-Decane (C10)

R.T.: 3.637 min
Delta R.T.: -0.002 min
Response: 332363
Conc: 2.60 ug/ml



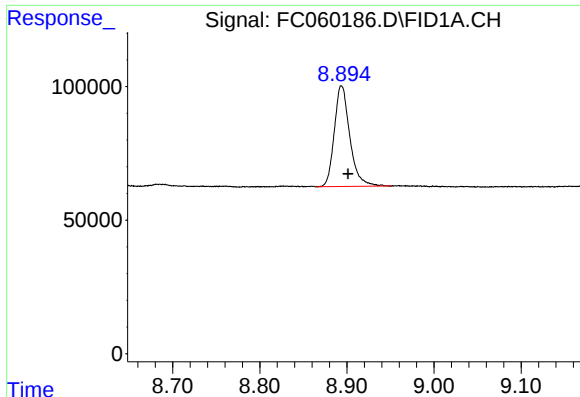
#4 n-Dodecane (C12)

R.T.: 5.583 min
Delta R.T.: -0.005 min
Response: 522374
Conc: 3.92 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.333 min
Delta R.T.: -0.005 min
Response: 442016
Conc: 3.24 ug/ml



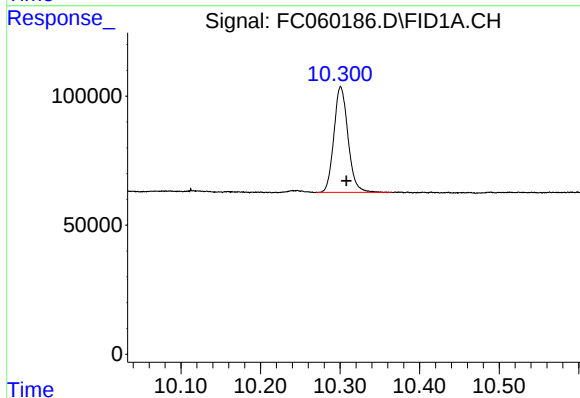
#7 n-Hexadecane (C16)

R.T.: 8.894 min
Delta R.T.: -0.007 min
Response: 465931
Conc: 3.32 ug/ml

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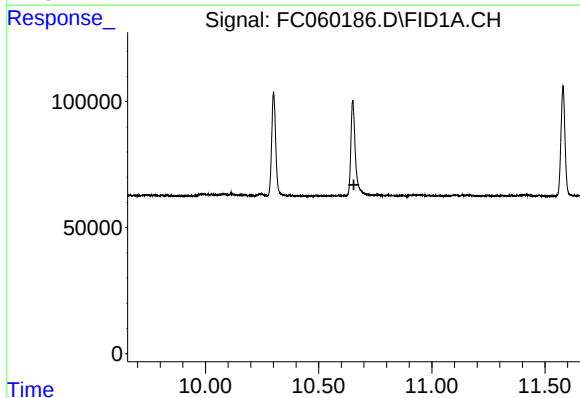
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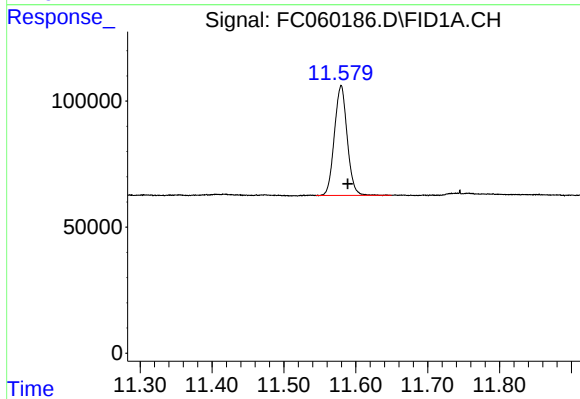
#8 n-Octadecane (C18)

R.T.: 10.301 min
Delta R.T.: -0.007 min
Response: 505264
Conc: 3.53 ug/ml



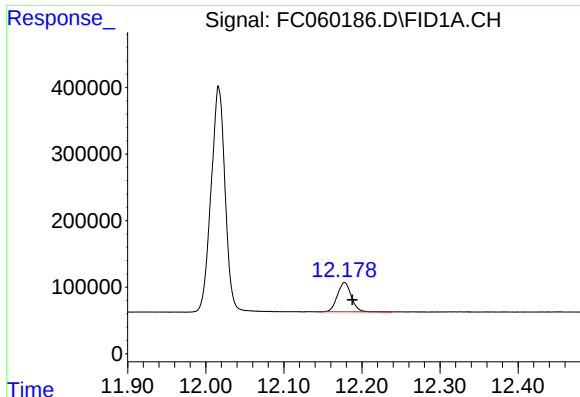
#9 ortho-Terphenyl (SURRE)

R.T.: 0.000 min
Exp R.T. : 10.656 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 11.580 min
Delta R.T.: -0.009 min
Response: 537782
Conc: 3.77 ug/ml



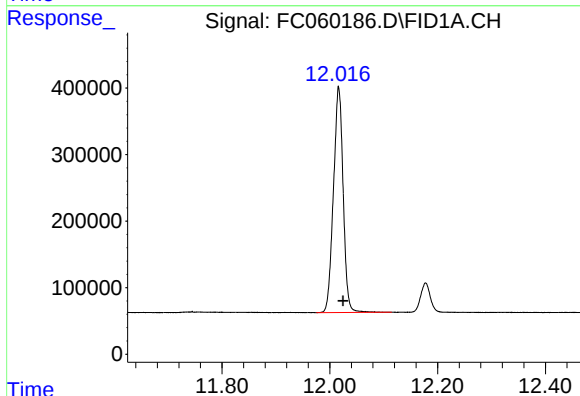
#11 n-Heneicosane (C21)

R.T.: 12.178 min
Delta R.T.: -0.010 min
Response: 544778
Conc: 3.80 ug/ml

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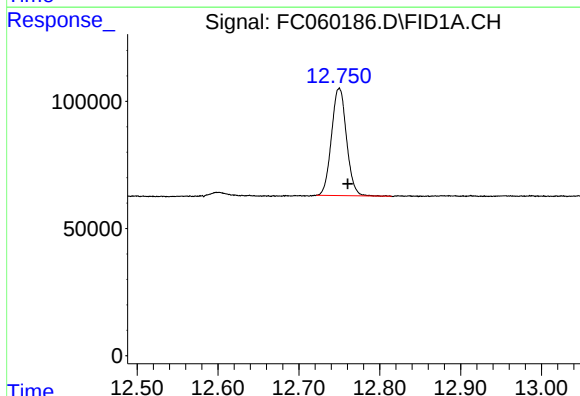
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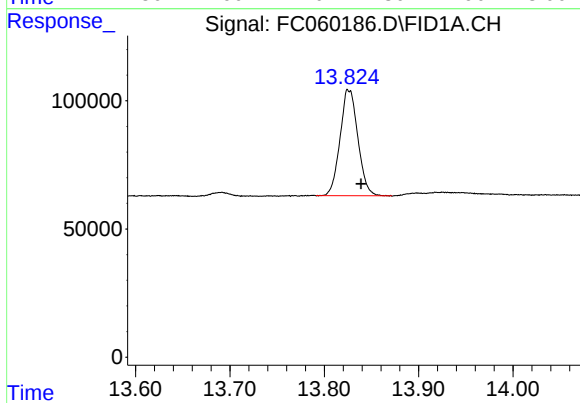
#12 1-chlorooctadecane (SURR)

R.T.: 12.017 min
Delta R.T.: -0.008 min
Response: 4240635
Conc: 34.20 ug/ml



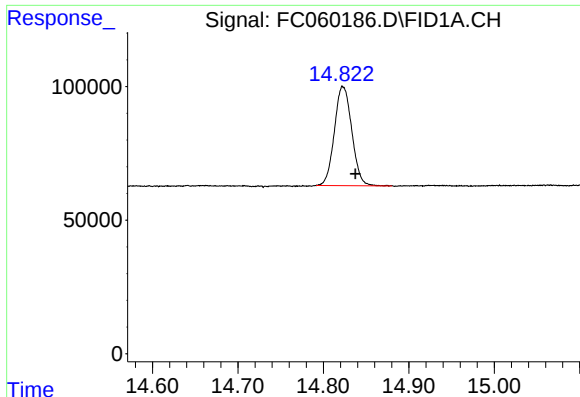
#13 n-Docosane (C22)

R.T.: 12.750 min
Delta R.T.: -0.011 min
Response: 545416
Conc: 3.83 ug/ml



#14 n-Tetracosane (C24)

R.T.: 13.826 min
Delta R.T.: -0.013 min
Response: 543358
Conc: 3.87 ug/ml



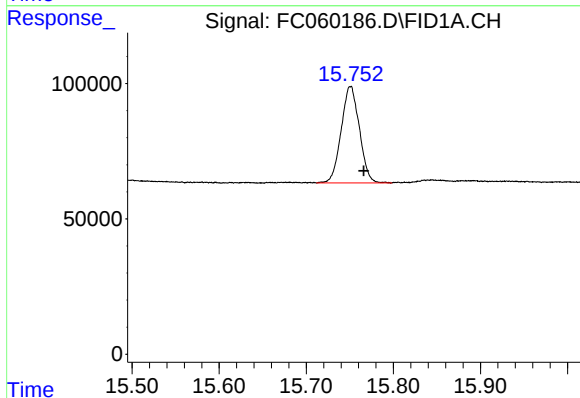
#15 n-Hexacosane (C26)

R.T.: 14.823 min
Delta R.T.: -0.014 min
Response: 524110
Conc: 3.87 ug/ml

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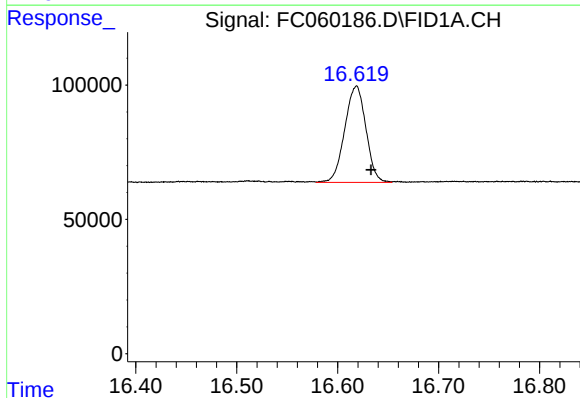
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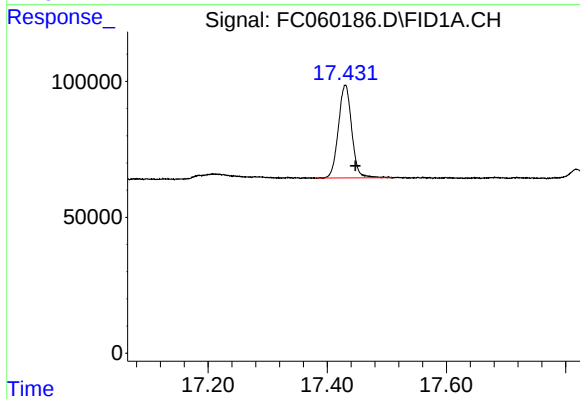
#16 n-Octacosane (C28)

R.T.: 15.751 min
Delta R.T.: -0.015 min
Response: 517983
Conc: 3.98 ug/ml



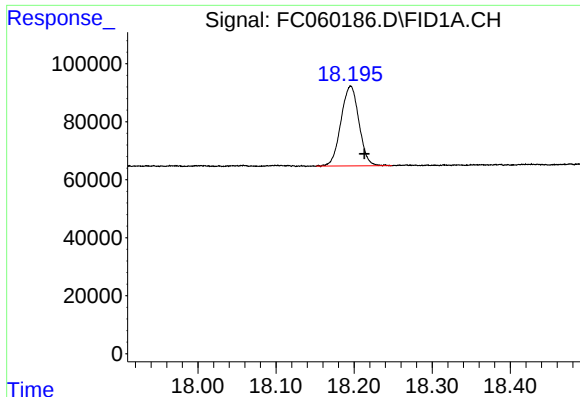
#17 n-Tricontane (C30)

R.T.: 16.619 min
Delta R.T.: -0.014 min
Response: 521738
Conc: 4.26 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 17.430 min
Delta R.T.: -0.017 min
Response: 529518
Conc: 4.75 ug/ml



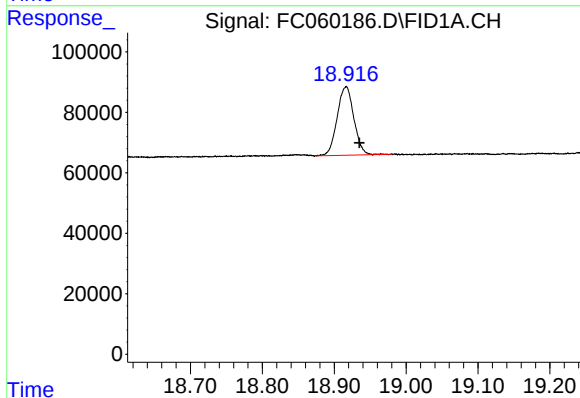
#19 n-Tetratriacontane (C34)

R.T.: 18.195 min
Delta R.T.: -0.018 min
Response: 441823
Conc: 4.33 ug/ml

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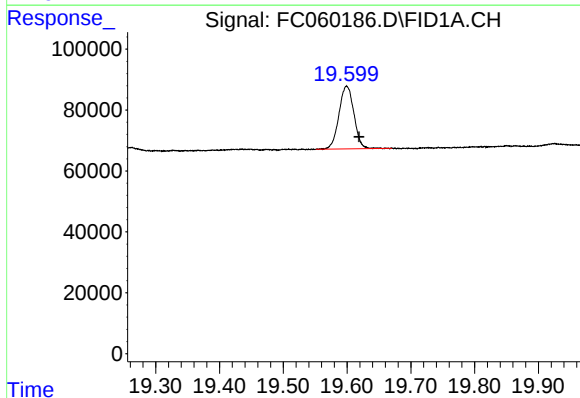
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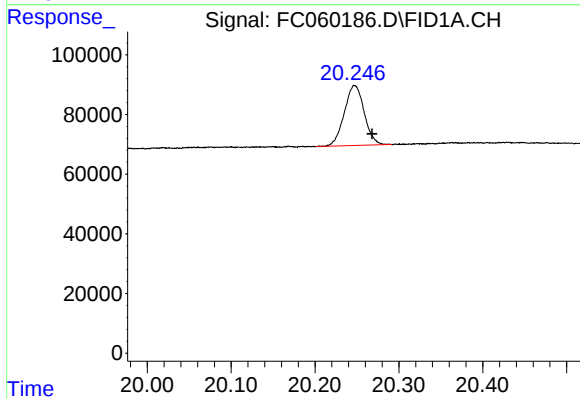
#20 n-Hexatriacontane (C36)

R.T.: 18.916 min
Delta R.T.: -0.019 min
Response: 365354
Conc: 3.86 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 19.599 min
Delta R.T.: -0.020 min
Response: 335329
Conc: 3.63 ug/ml



#22 n-Tetracontane (C40)

R.T.: 20.247 min
Delta R.T.: -0.021 min
Response: 332395
Conc: 3.53 ug/ml