

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081722AL\
 Data File : FC061187.D
 Signal(s) : FID1A.ch
 Acq On : 18 Aug 2022 06:50
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/18/2022
 Supervised By :Ankita Jodhani 08/18/2022

Integration File: autoint1.e
 Quant Time: Aug 18 07:12:31 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072522.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 25 19:40:54 2022
 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			
9) S ortho-Terphenyl (SURR)	10.632	2881116	17.556 ug/ml
Spiked Amount 50.000		Recovery =	35.11%
12) S 1-chlorooctadecane (S...	11.994	2337481	17.608 ug/ml
Spiked Amount 50.000		Recovery =	35.22%
Target Compounds			
1) T n-Nonane (C9)	2.635	2576455	18.294 ug/ml
2) T n-Decane (C10)	3.628	2614271	18.532 ug/ml
3) T A~Naphthalene (C11.7)	5.184	2736357	19.250 ug/ml
4) T n-Dodecane (C12)	5.571	2790167	18.825 ug/ml
5) T A~2-methylnaphthalene...	6.210	2613519	19.056 ug/ml
6) T n-Tetradecane (C14)	7.317	2810979	18.723 ug/ml
7) T n-Hexadecane (C16)	8.875	2859462	18.685 ug/ml
8) T n-Octadecane (C18)	10.280	2881073	18.450 ug/ml
10) T n-Eicosane (C20)	11.557	2844642	18.127 ug/ml
11) T n-Heneicosane (C21)	12.153	2799991	17.895 ug/ml
13) T n-Docosane (C22)	12.724	2768053	17.753 ug/ml
14) T n-Tetracosane (C24)	13.800	2640129	17.293 ug/ml
15) T n-Hexacosane (C26)	14.795	2537220	16.997 ug/ml
16) T n-Octacosane (C28)	15.721	2476584	17.283 ug/ml
17) T n-Tricontane (C30)	16.586	2631036	18.793 ug/ml
18) T n-Dotriacontane (C32)	17.396	2777447	20.580 ug/ml
19) T n-Tetratriacontane (C34)	18.159	2673040	21.313 ug/ml
20) T n-Hexatriacontane (C36)	18.878	2668534	21.831 ug/ml
21) T n-Octatriacontane (C38)	19.560	2568511	21.763 ug/ml
22) T n-Tetracontane (C40)	20.207	2622938	22.789 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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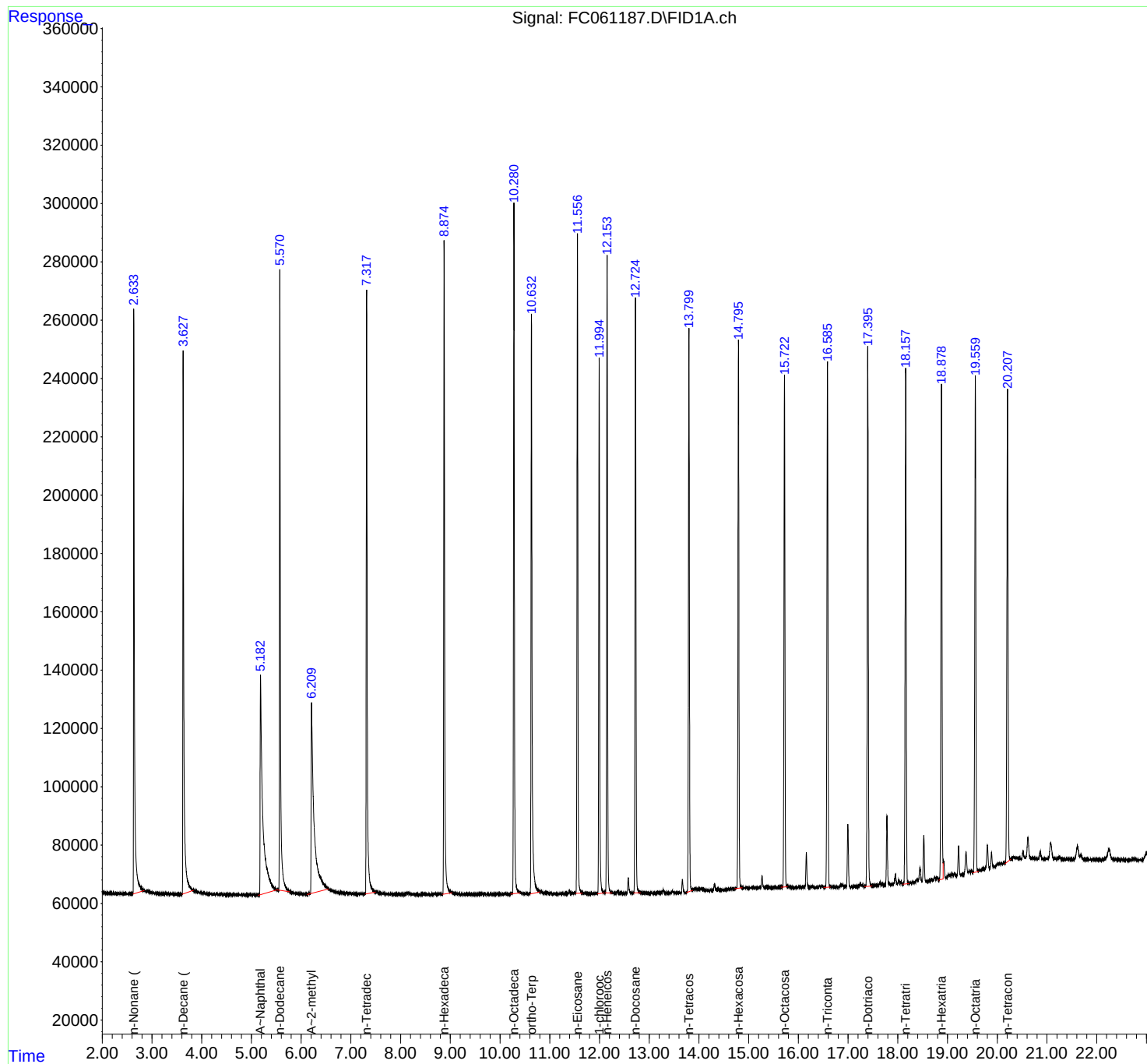
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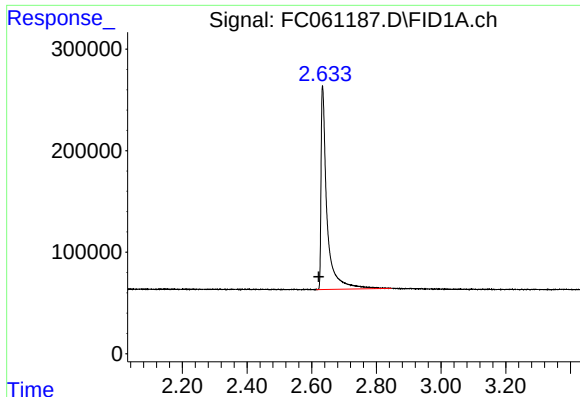
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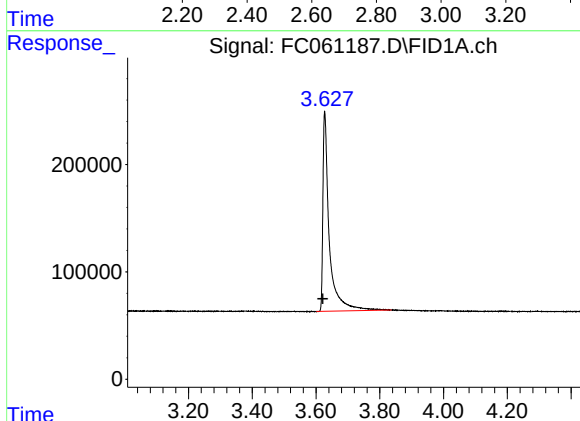
#1 n-Nonane (C9)

R.T.: 2.635 min
Delta R.T.: 0.013 min
Response: 2576455
Conc: 18.29 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

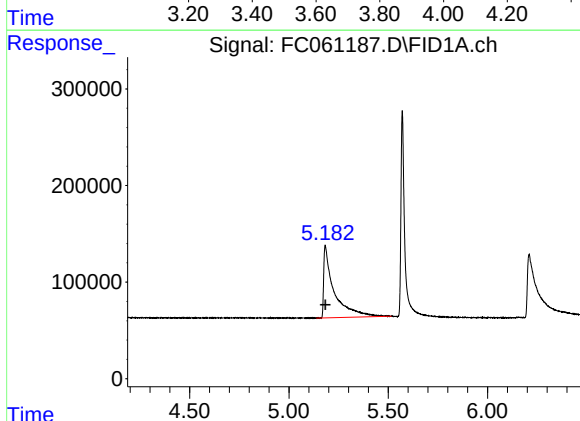
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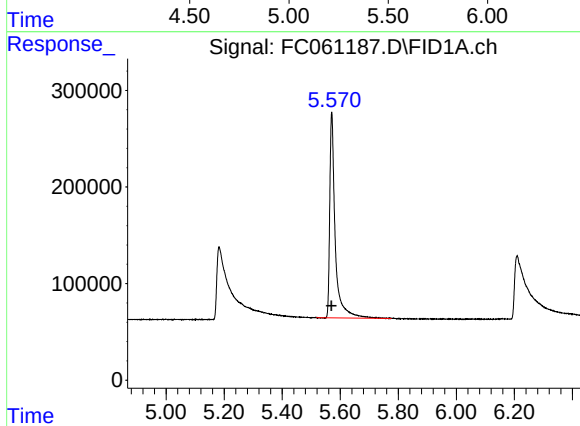
#2 n-Decane (C10)

R.T.: 3.628 min
Delta R.T.: 0.006 min
Response: 2614271
Conc: 18.53 ug/ml



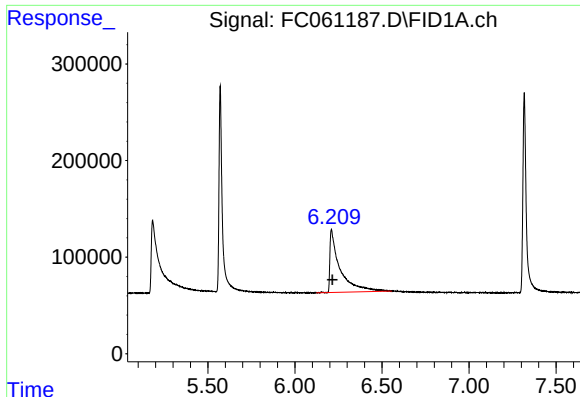
#3 A~Naphthalene (C11.7)

R.T.: 5.184 min
Delta R.T.: -0.001 min
Response: 2736357
Conc: 19.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.571 min
Delta R.T.: 0.002 min
Response: 2790167
Conc: 18.83 ug/ml



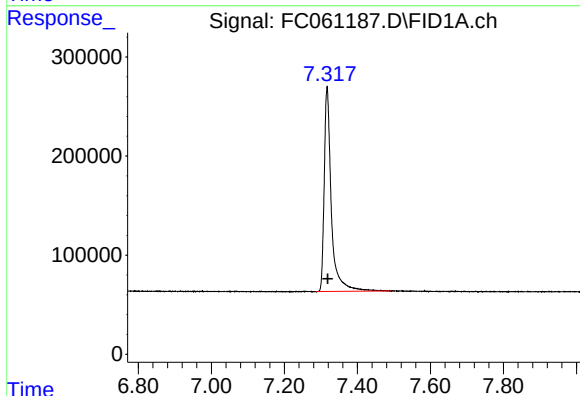
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.210 min
Delta R.T.: -0.005 min
Response: 2613519
Conc: 19.06 ug/ml

Instrument :
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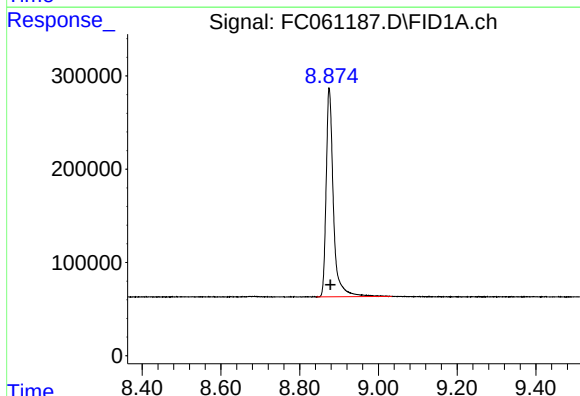
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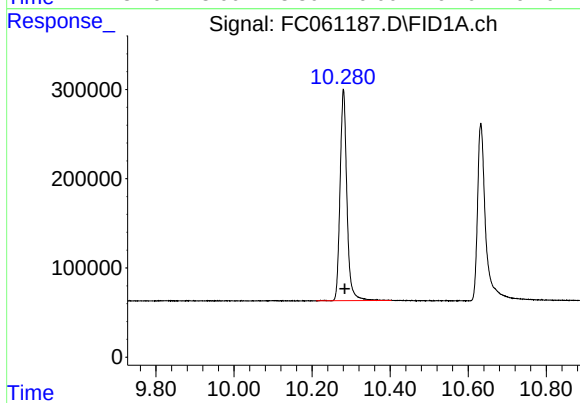
#6 n-Tetradecane (C14)

R.T.: 7.317 min
Delta R.T.: -0.002 min
Response: 2810979
Conc: 18.72 ug/ml



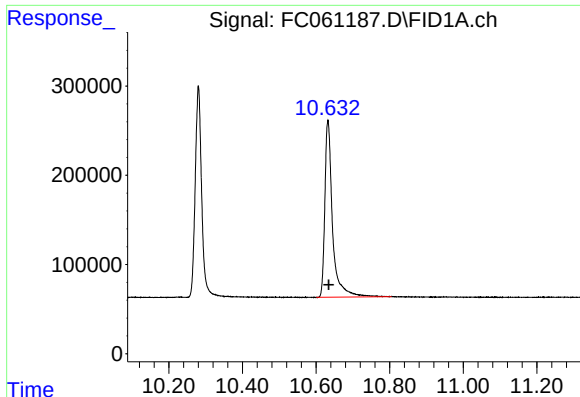
#7 n-Hexadecane (C16)

R.T.: 8.875 min
Delta R.T.: -0.003 min
Response: 2859462
Conc: 18.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.280 min
Delta R.T.: -0.003 min
Response: 2881073
Conc: 18.45 ug/ml



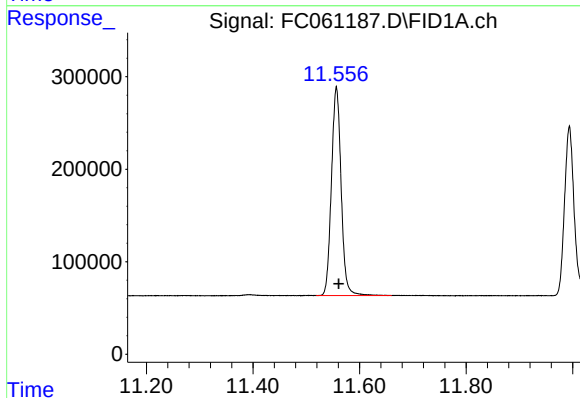
#9 ortho-Terphenyl (SURR)

R.T.: 10.632 min
Delta R.T.: -0.002 min
Response: 2881116
Conc: 17.56 ug/ml

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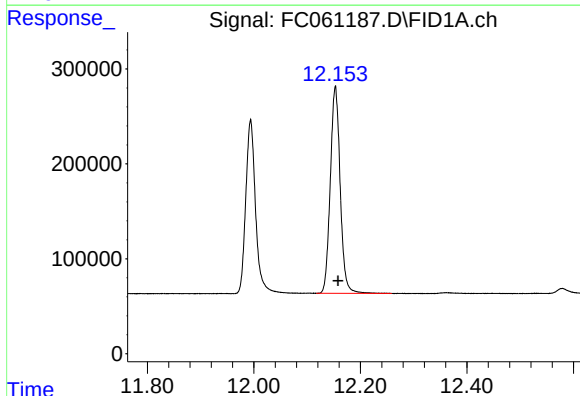
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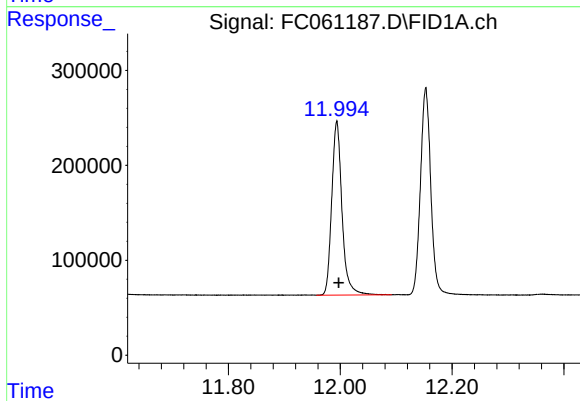
#10 n-Eicosane (C20)

R.T.: 11.557 min
Delta R.T.: -0.004 min
Response: 2844642
Conc: 18.13 ug/ml



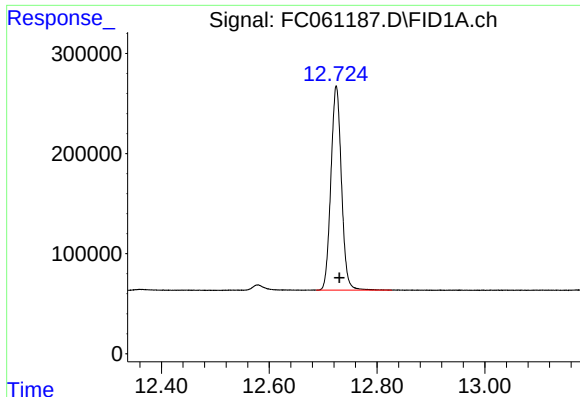
#11 n-Heneicosane (C21)

R.T.: 12.153 min
Delta R.T.: -0.005 min
Response: 2799991
Conc: 17.89 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 11.994 min
Delta R.T.: -0.004 min
Response: 2337481
Conc: 17.61 ug/ml



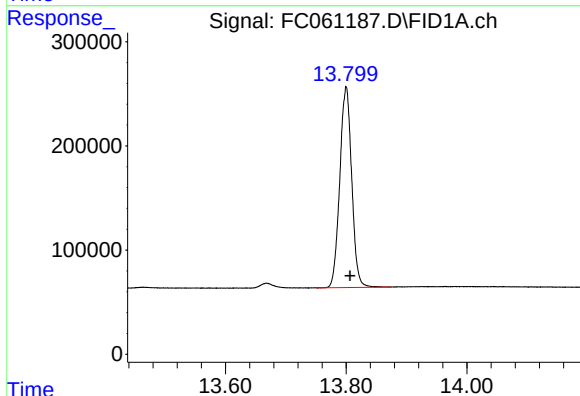
#13 n-Docosane (C22)

R.T.: 12.724 min
Delta R.T.: -0.006 min
Response: 2768053
Conc: 17.75 ug/ml

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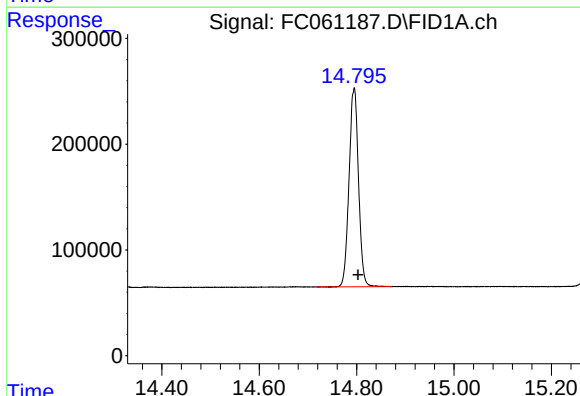
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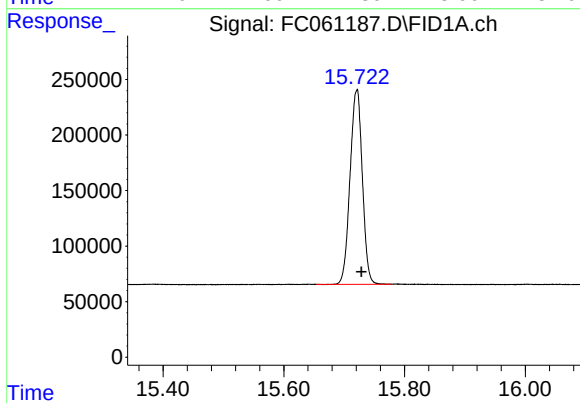
#14 n-Tetracosane (C24)

R.T.: 13.800 min
Delta R.T.: -0.007 min
Response: 2640129
Conc: 17.29 ug/ml



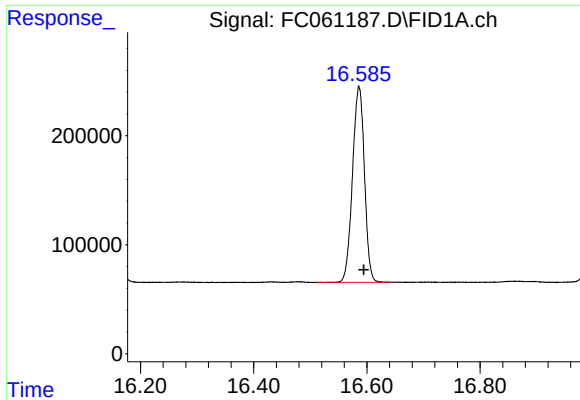
#15 n-Hexacosane (C26)

R.T.: 14.795 min
Delta R.T.: -0.008 min
Response: 2537220
Conc: 17.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.721 min
Delta R.T.: -0.008 min
Response: 2476584
Conc: 17.28 ug/ml



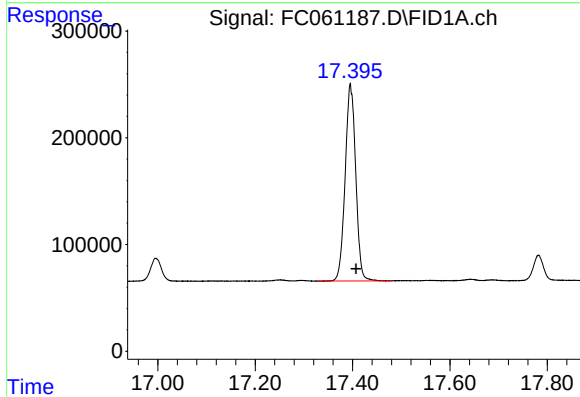
#17 n-Tricontane (C30)

R.T.: 16.586 min
Delta R.T.: -0.008 min
Response: 2631036
Conc: 18.79 ug/ml

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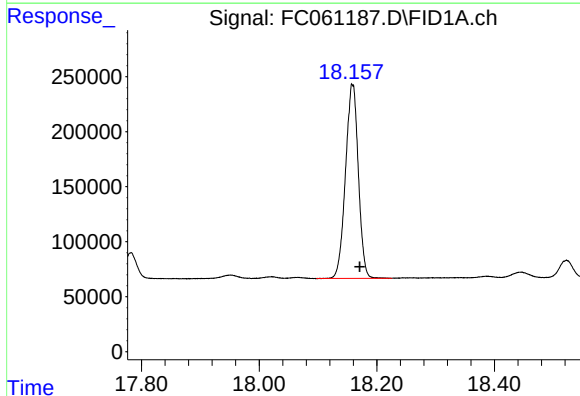
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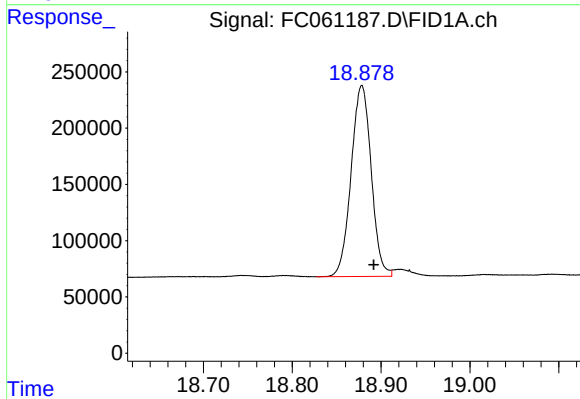
#18 n-Dotriacontane (C32)

R.T.: 17.396 min
Delta R.T.: -0.011 min
Response: 2777447
Conc: 20.58 ug/ml



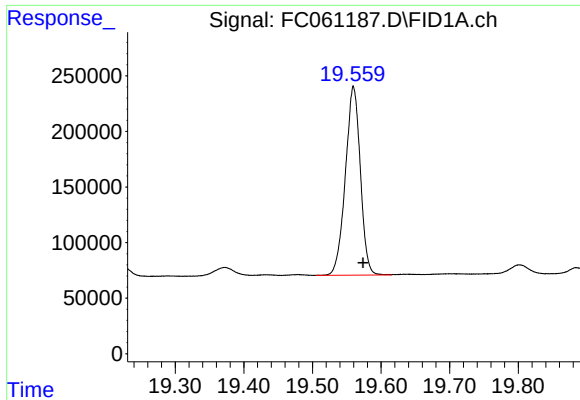
#19 n-Tetratriacontane (C34)

R.T.: 18.159 min
Delta R.T.: -0.012 min
Response: 2673040
Conc: 21.31 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 18.878 min
Delta R.T.: -0.014 min
Response: 2668534
Conc: 21.83 ug/ml



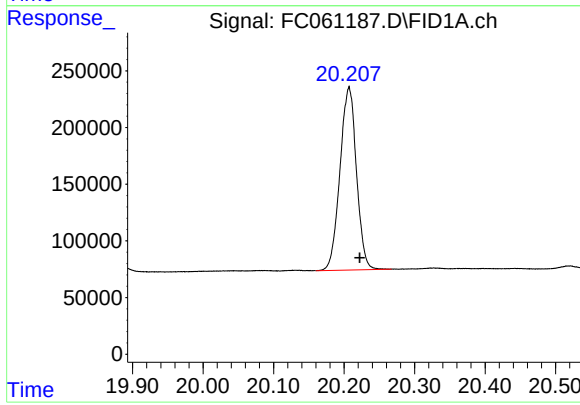
#21 n-Octatriacontane (C38)

R.T.: 19.560 min
Delta R.T.: -0.014 min
Response: 2568511
Conc: 21.76 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.207 min
Delta R.T.: -0.015 min
Response: 2622938
Conc: 22.79 ug/ml m