

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091522AL\
 Data File : FC061530.D
 Signal(s) : FID1A.ch
 Acq On : 15 Sep 2022 09:18
 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 09/15/2022
 Supervised By :Ankita Jodhani 09/16/2022

Integration File: autoint1.e
 Quant Time: Sep 15 13:22:45 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 082222.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 31 11:58:37 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)	11.576	3081395	17.406 ug/ml
Spiked Amount 50.000		Recovery =	34.81%
12) S 1-chlorooctadecane (S...	13.014	2423634	17.305 ug/ml
Spiked Amount 50.000		Recovery =	34.61%
Target Compounds			
1) T n-Nonane (C9)	3.332	2960149	19.579 ug/ml
2) T n-Decane (C10)	4.399	2974340	19.602 ug/ml
3) T A~Naphthalene (C11.7)	5.984	3332392	19.251 ug/ml
4) T n-Dodecane (C12)	6.417	2995739	19.343 ug/ml
5) T A~2-methylnaphthalene...	7.041	3348642	19.017 ug/ml
6) T n-Tetradecane (C14)	8.214	2967817	18.974 ug/ml
7) T n-Hexadecane (C16)	9.817	2922883	18.661 ug/ml
8) T n-Octadecane (C18)	11.260	2883406	18.276 ug/ml
10) T n-Eicosane (C20)	12.570	2751660	17.700 ug/ml
11) T n-Heneicosane (C21)	13.182	2719136	17.384 ug/ml
13) T n-Docosane (C22)	13.768	2663841	17.166 ug/ml
14) T n-Tetracosane (C24)	14.871	2585243	16.711 ug/ml
15) T n-Hexacosane (C26)	15.892	2490748	16.549 ug/ml
16) T n-Octacosane (C28)	16.842	2457307	16.637 ug/ml
17) T n-Tricontane (C30)	17.729	2374079	17.189 ug/ml
18) T n-Dotriacontane (C32)	18.561	1987044	18.103 ug/ml
19) T n-Tetratriacontane (C34)	19.344	1482598	19.208 ug/ml
20) T n-Hexatriacontane (C36)	20.085	1113115	19.716 ug/ml
21) T n-Octatriacontane (C38)	20.816	1081702	23.317 ug/mlm
22) T n-Tetracontane (C40)	21.730	928165	22.129 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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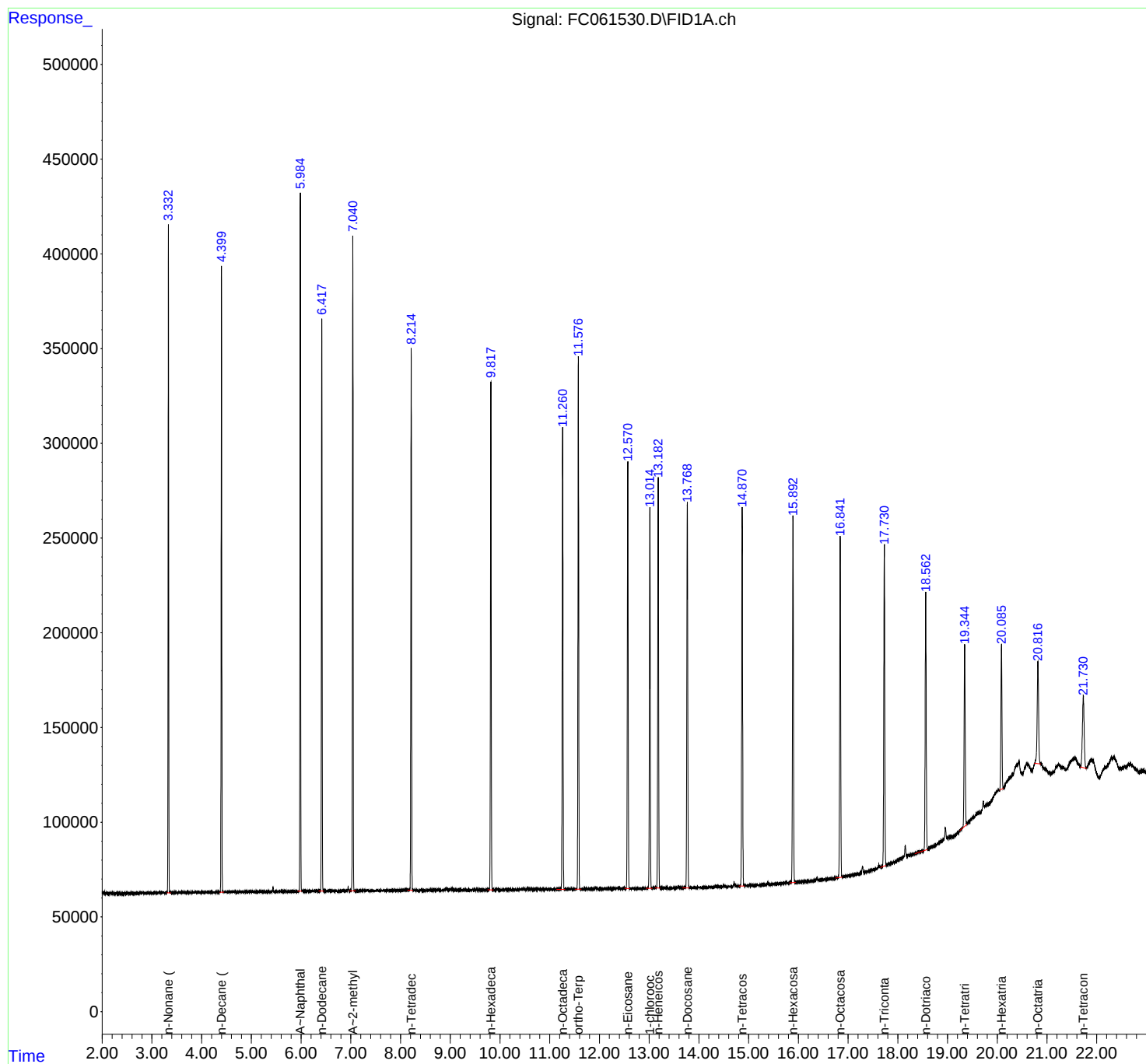
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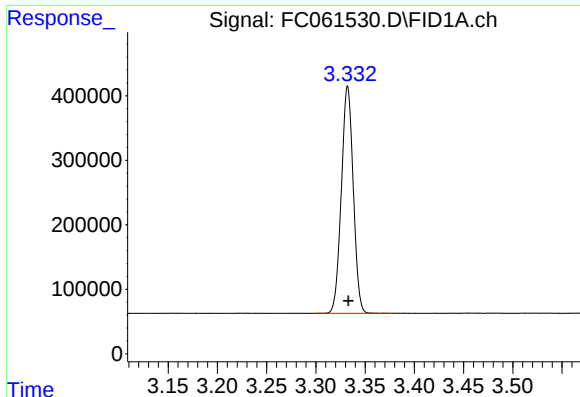
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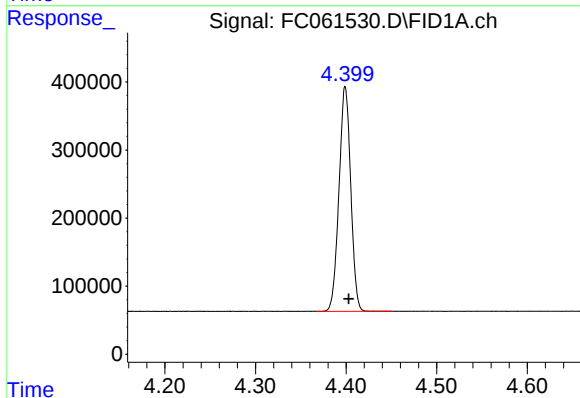
#1 n-Nonane (C9)

R.T.: 3.332 min
Delta R.T.: 0.000 min
Response: 2960149
Conc: 19.58 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

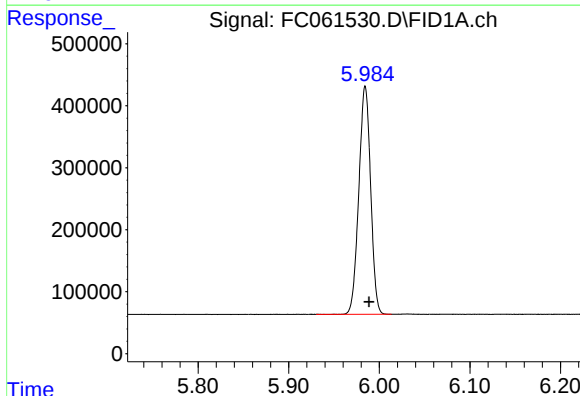
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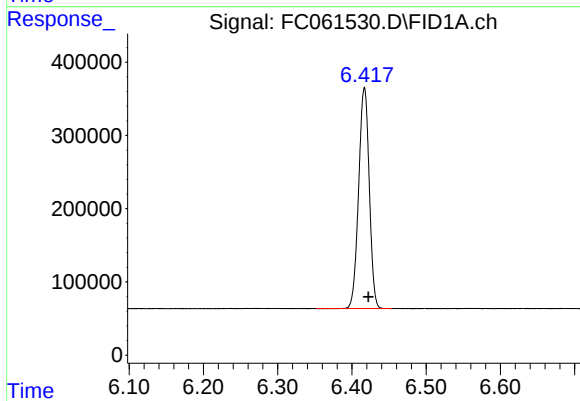
#2 n-Decane (C10)

R.T.: 4.399 min
Delta R.T.: -0.004 min
Response: 2974340
Conc: 19.60 ug/ml



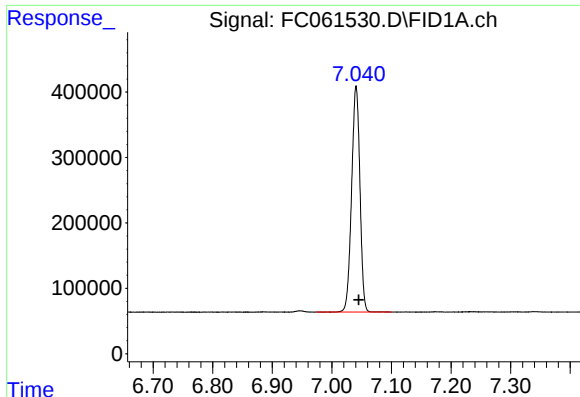
#3 A~Naphthalene (C11.7)

R.T.: 5.984 min
Delta R.T.: -0.004 min
Response: 3332392
Conc: 19.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.417 min
Delta R.T.: -0.005 min
Response: 2995739
Conc: 19.34 ug/ml



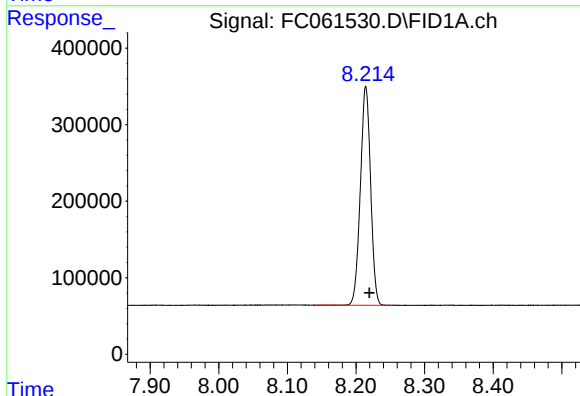
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.041 min
Delta R.T.: -0.004 min
Response: 3348642
Conc: 19.02 ug/ml

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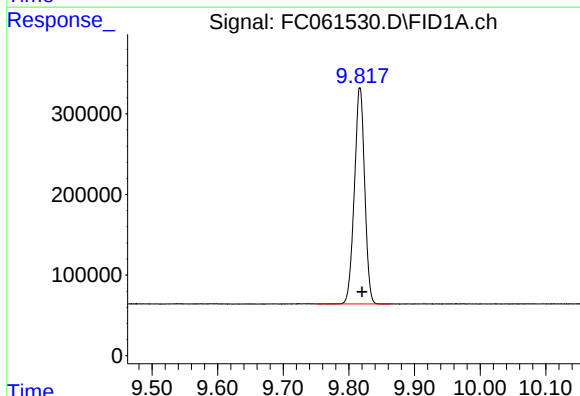
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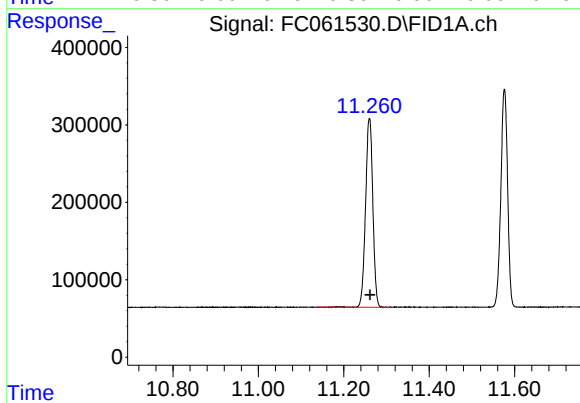
#6 n-Tetradecane (C14)

R.T.: 8.214 min
Delta R.T.: -0.005 min
Response: 2967817
Conc: 18.97 ug/ml



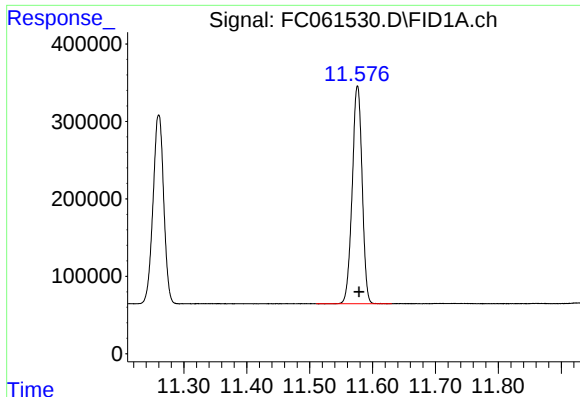
#7 n-Hexadecane (C16)

R.T.: 9.817 min
Delta R.T.: -0.003 min
Response: 2922883
Conc: 18.66 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.260 min
Delta R.T.: -0.002 min
Response: 2883406
Conc: 18.28 ug/ml



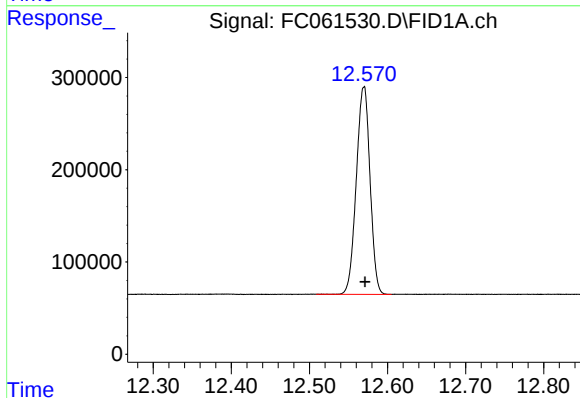
#9 ortho-Terphenyl (SURR)

R.T.: 11.576 min
Delta R.T.: -0.002 min
Response: 3081395
Conc: 17.41 ug/ml

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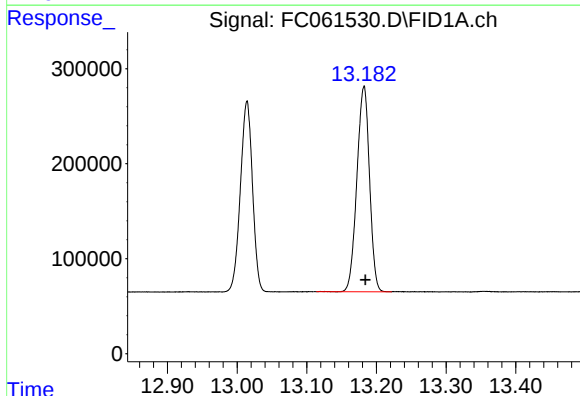
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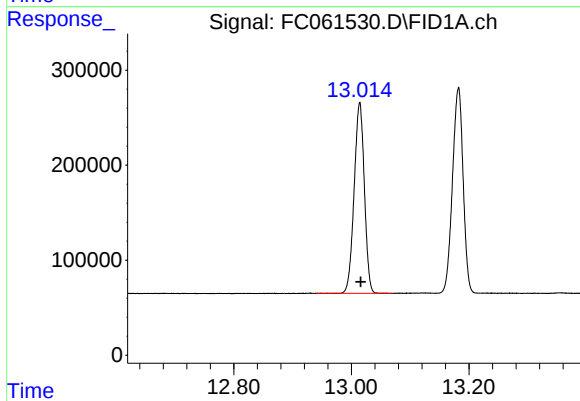
#10 n-Eicosane (C20)

R.T.: 12.570 min
Delta R.T.: -0.002 min
Response: 2751660
Conc: 17.70 ug/ml



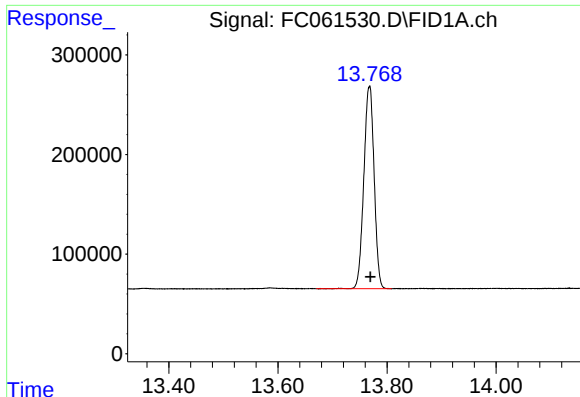
#11 n-Heneicosane (C21)

R.T.: 13.182 min
Delta R.T.: -0.002 min
Response: 2719136
Conc: 17.38 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.014 min
Delta R.T.: -0.002 min
Response: 2423634
Conc: 17.31 ug/ml



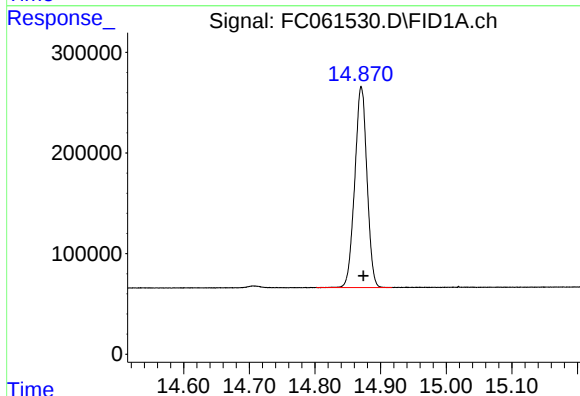
#13 n-Docosane (C22)

R.T.: 13.768 min
Delta R.T.: -0.002 min
Response: 2663841
Conc: 17.17 ug/ml

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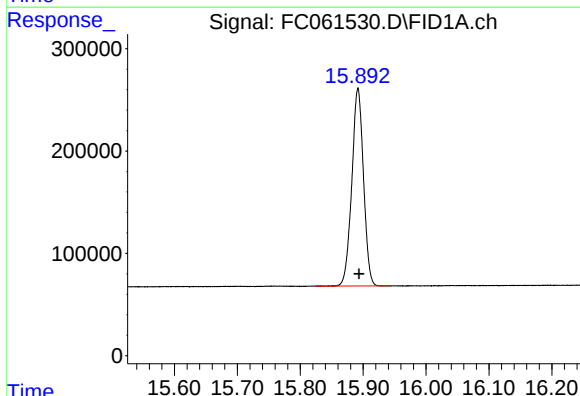
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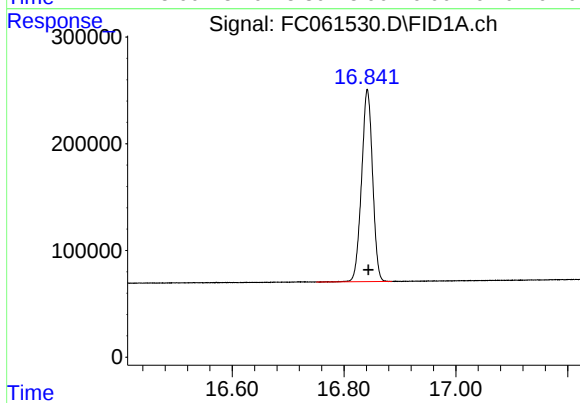
#14 n-Tetracosane (C24)

R.T.: 14.871 min
Delta R.T.: -0.003 min
Response: 2585243
Conc: 16.71 ug/ml



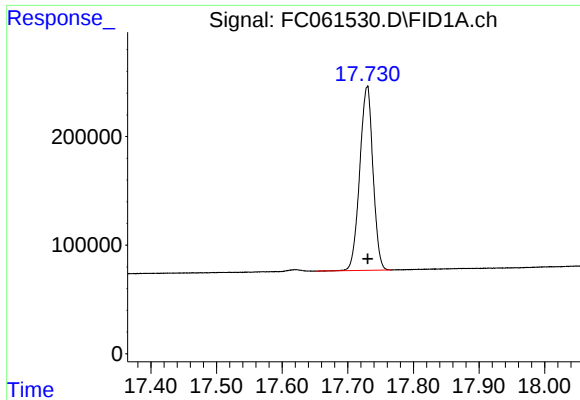
#15 n-Hexacosane (C26)

R.T.: 15.892 min
Delta R.T.: -0.002 min
Response: 2490748
Conc: 16.55 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.842 min
Delta R.T.: -0.002 min
Response: 2457307
Conc: 16.64 ug/ml



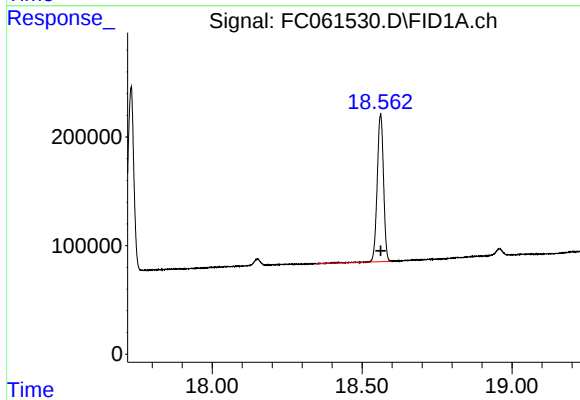
#17 n-Tricontane (C30)

R.T.: 17.729 min
Delta R.T.: -0.001 min
Response: 2374079
Conc: 17.19 ug/ml

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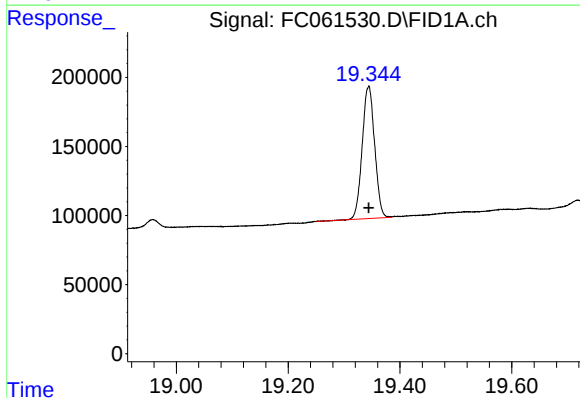
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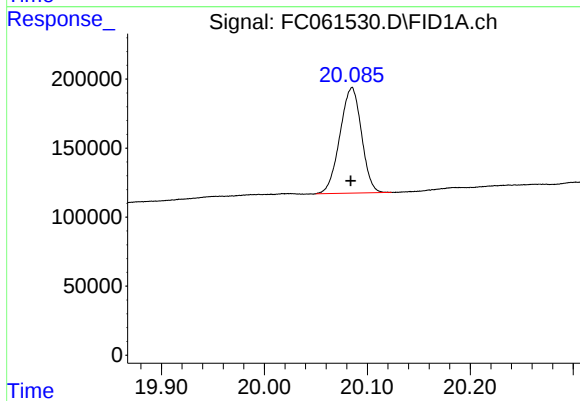
#18 n-Dotriacontane (C32)

R.T.: 18.561 min
Delta R.T.: 0.000 min
Response: 1987044
Conc: 18.10 ug/ml



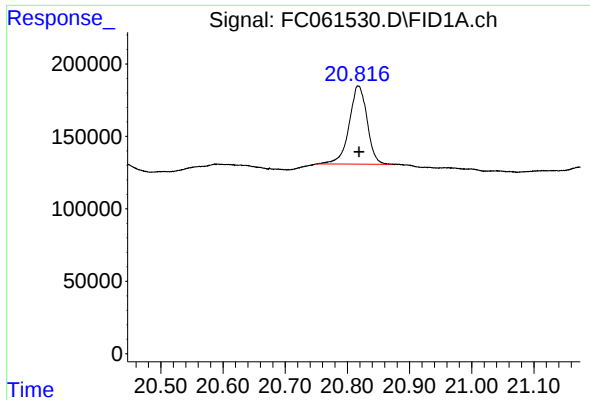
#19 n-Tetratriacontane (C34)

R.T.: 19.344 min
Delta R.T.: 0.000 min
Response: 1482598
Conc: 19.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.085 min
Delta R.T.: 0.000 min
Response: 1113115
Conc: 19.72 ug/ml



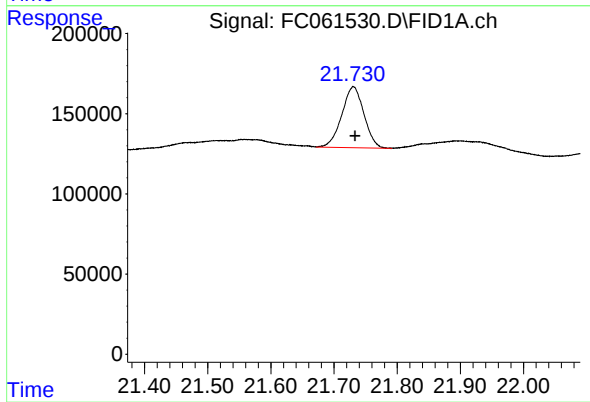
#21 n-Octatriacontane (C38)

R.T.: 20.816 min
Delta R.T.: -0.003 min
Response: 1081702
Conc: 23.32 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.730 min
Delta R.T.: -0.004 min
Response: 928165
Conc: 22.13 ug/ml m