

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC090222AL\
 Data File : FC061436.D
 Signal(s) : FID1A.ch
 Acq On : 02 Sep 2022 23:43
 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 09/06/2022
 Supervised By :Ankita Jodhani 09/06/2022

Integration File: autoint1.e
 Quant Time: Sep 05 01:21:32 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)	11.581	2938060	16.597 ug/ml
Spiked Amount 50.000		Recovery =	33.19%
12) S 1-chlorooctadecane (S...	13.019	2296971	16.401 ug/ml
Spiked Amount 50.000		Recovery =	32.80%
Target Compounds			
1) T n-Nonane (C9)	3.337	2803082	18.540 ug/ml
2) T n-Decane (C10)	4.405	2841843	18.729 ug/ml
3) T A~Naphthalene (C11.7)	5.991	3173237	18.332 ug/ml
4) T n-Dodecane (C12)	6.423	2847972	18.389 ug/ml
5) T A~2-methylnaphthalene...	7.047	3178232	18.050 ug/ml
6) T n-Tetradecane (C14)	8.220	2821549	18.039 ug/ml
7) T n-Hexadecane (C16)	9.822	2776617	17.727 ug/ml
8) T n-Octadecane (C18)	11.265	2741278	17.376 ug/ml
10) T n-Eicosane (C20)	12.574	2616469	16.831 ug/ml
11) T n-Heneicosane (C21)	13.186	2575035	16.463 ug/ml
13) T n-Docosane (C22)	13.772	2544070	16.394 ug/ml
14) T n-Tetracosane (C24)	14.874	2536158	16.394 ug/ml
15) T n-Hexacosane (C26)	15.894	2468525	16.402 ug/ml
16) T n-Octacosane (C28)	16.843	2502728	16.944 ug/ml
17) T n-Tricontane (C30)	17.730	2580066	18.680 ug/ml
18) T n-Dotriacontane (C32)	18.563	2232777	20.341 ug/ml
19) T n-Tetratriacontane (C34)	19.345	1674376	21.692 ug/mlm
20) T n-Hexatriacontane (C36)	20.084	1259077	22.301 ug/mlm
21) T n-Octatriacontane (C38)	20.820	1077136	23.218 ug/mlm
22) T n-Tetracontane (C40)	21.735	948019	22.602 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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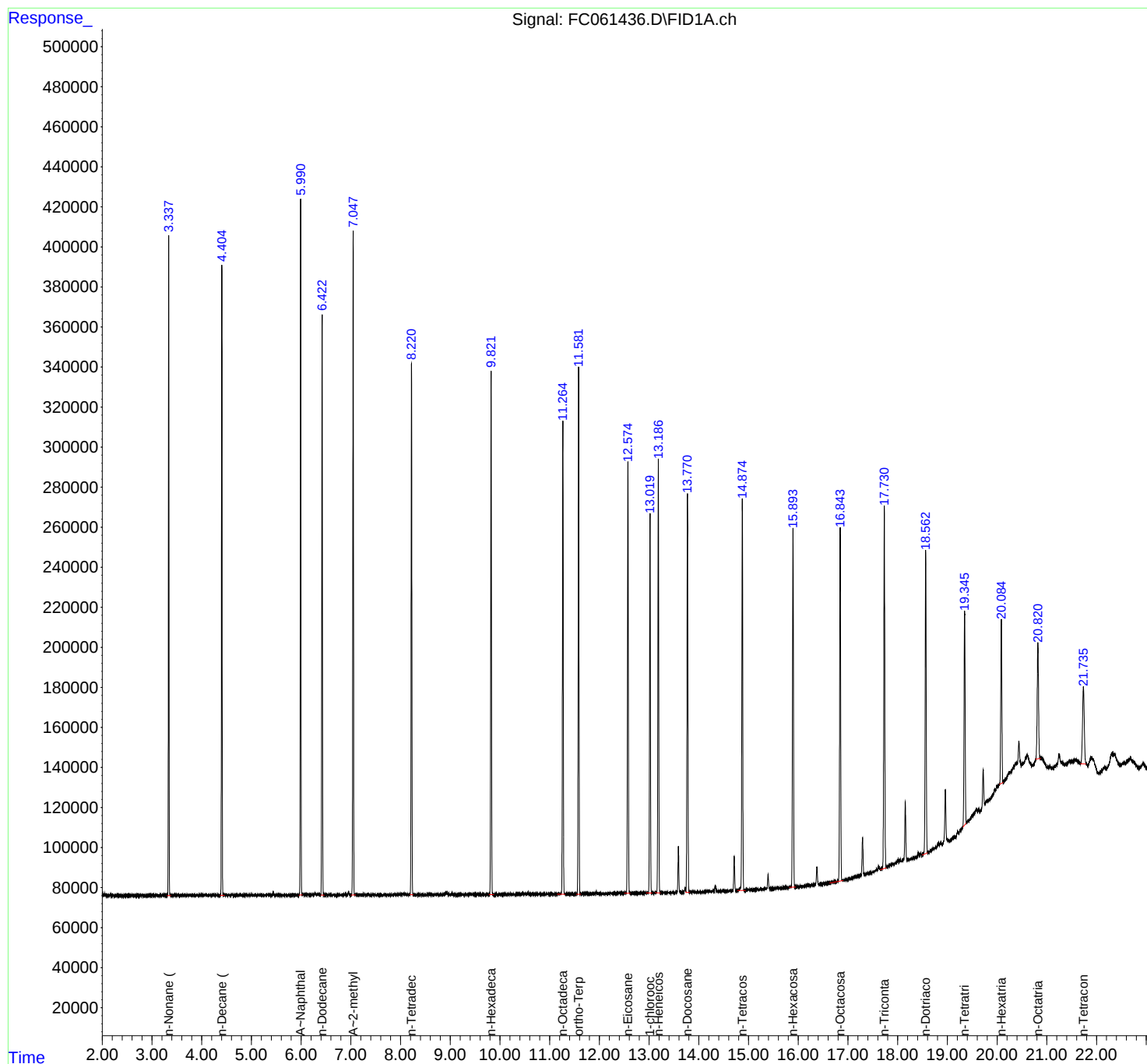
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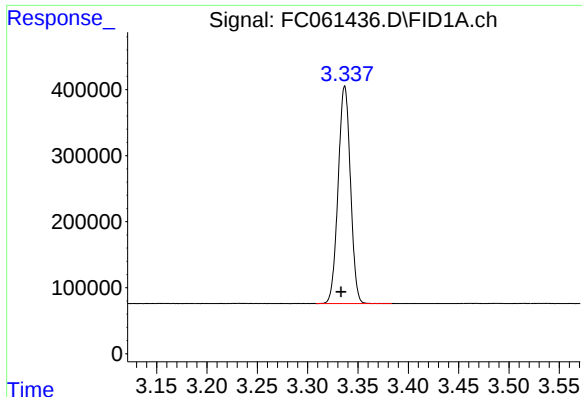
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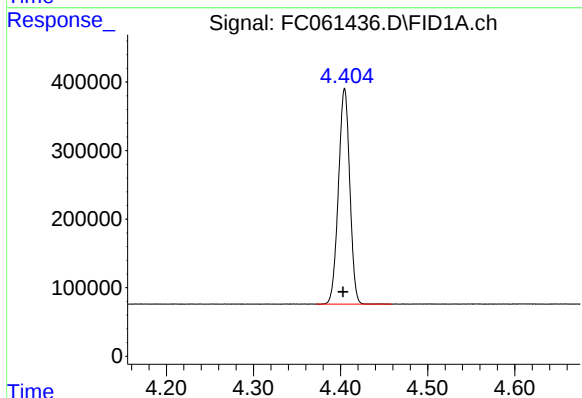
#1 n-Nonane (C9)

R.T.: 3.337 min
Delta R.T.: 0.004 min
Response: 2803082
Conc: 18.54 ug/ml

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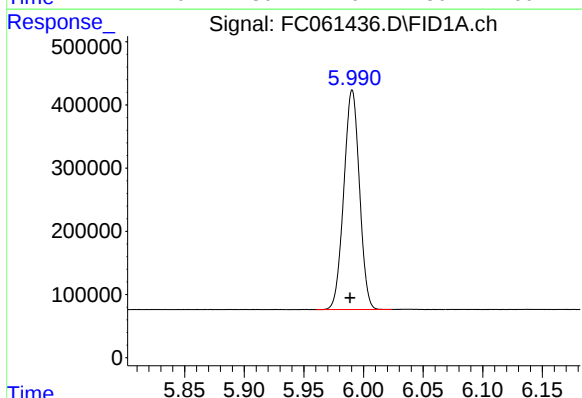
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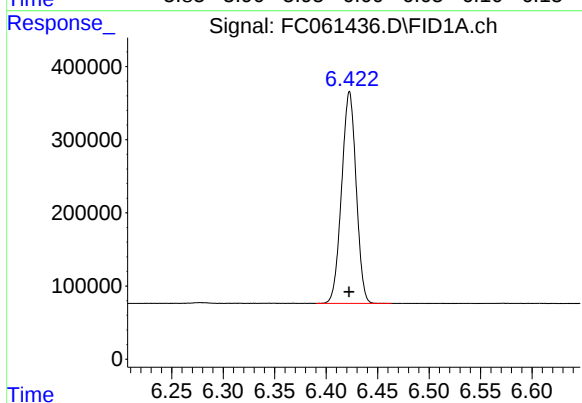
#2 n-Decane (C10)

R.T.: 4.405 min
Delta R.T.: 0.002 min
Response: 2841843
Conc: 18.73 ug/ml



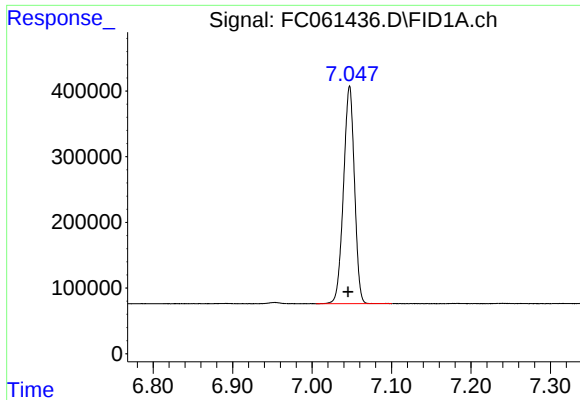
#3 A~Naphthalene (C11.7)

R.T.: 5.991 min
Delta R.T.: 0.002 min
Response: 3173237
Conc: 18.33 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.423 min
Delta R.T.: 0.000 min
Response: 2847972
Conc: 18.39 ug/ml



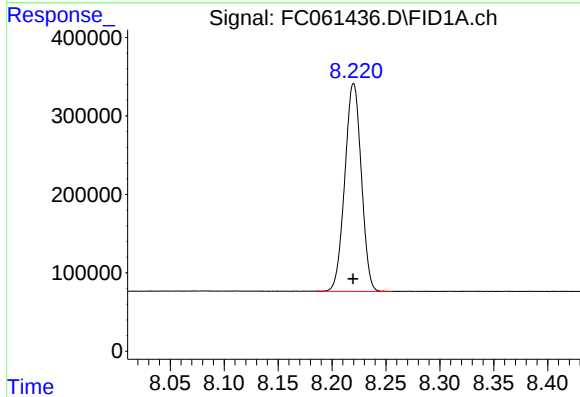
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.047 min
Delta R.T.: 0.002 min
Response: 3178232
Conc: 18.05 ug/ml

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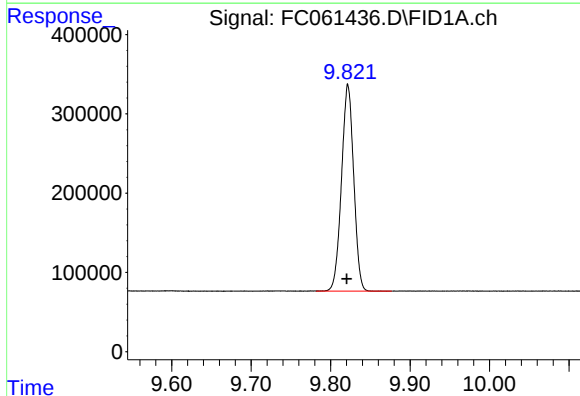
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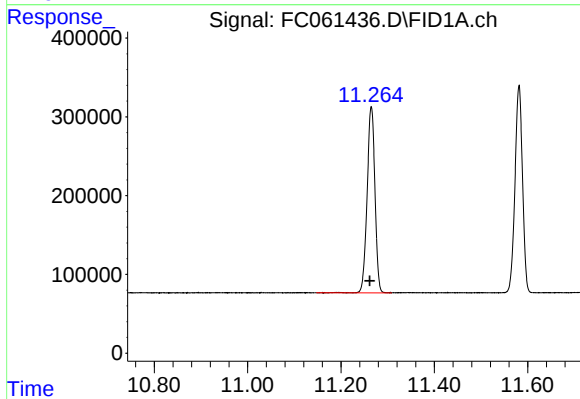
#6 n-Tetradecane (C14)

R.T.: 8.220 min
Delta R.T.: 0.000 min
Response: 2821549
Conc: 18.04 ug/ml



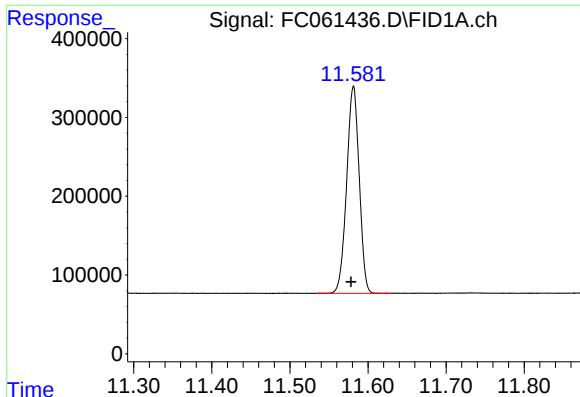
#7 n-Hexadecane (C16)

R.T.: 9.822 min
Delta R.T.: 0.002 min
Response: 2776617
Conc: 17.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.265 min
Delta R.T.: 0.003 min
Response: 2741278
Conc: 17.38 ug/ml



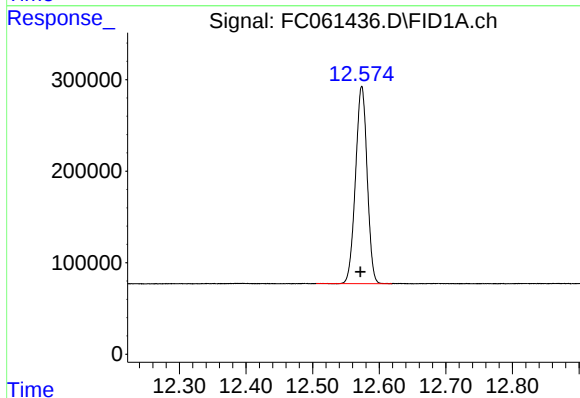
#9 ortho-Terphenyl (SURR)

R.T.: 11.581 min
Delta R.T.: 0.003 min
Response: 2938060
Conc: 16.60 ug/ml

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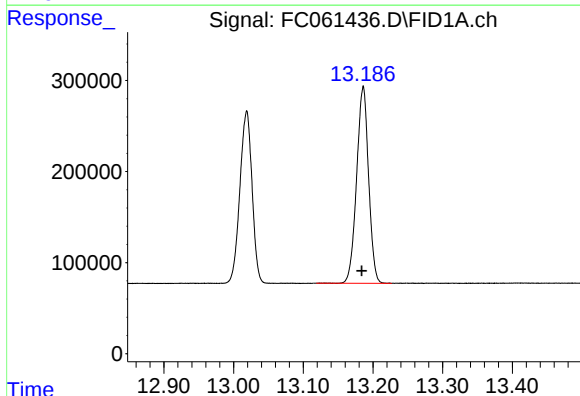
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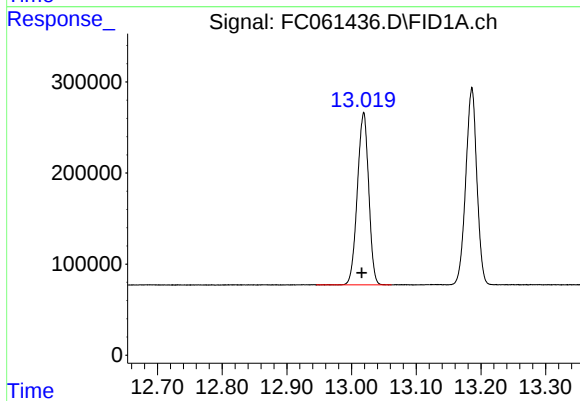
#10 n-Eicosane (C20)

R.T.: 12.574 min
Delta R.T.: 0.002 min
Response: 2616469
Conc: 16.83 ug/ml



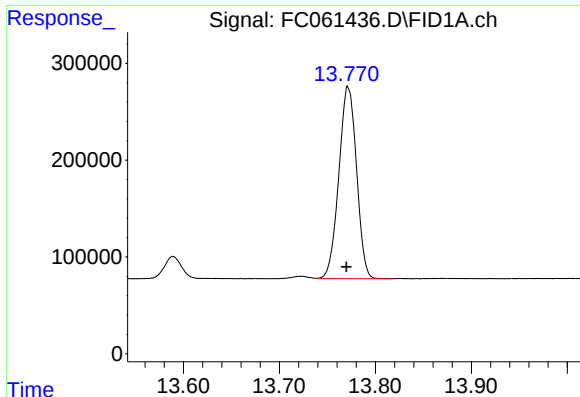
#11 n-Heneicosane (C21)

R.T.: 13.186 min
Delta R.T.: 0.002 min
Response: 2575035
Conc: 16.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.019 min
Delta R.T.: 0.003 min
Response: 2296971
Conc: 16.40 ug/ml



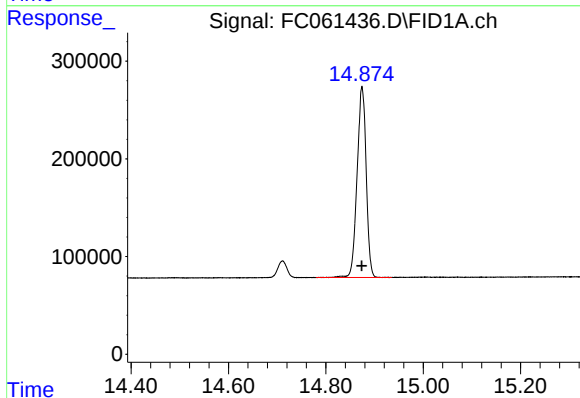
#13 n-Docosane (C22)

R.T.: 13.772 min
Delta R.T.: 0.002 min
Response: 2544070
Conc: 16.39 ug/ml

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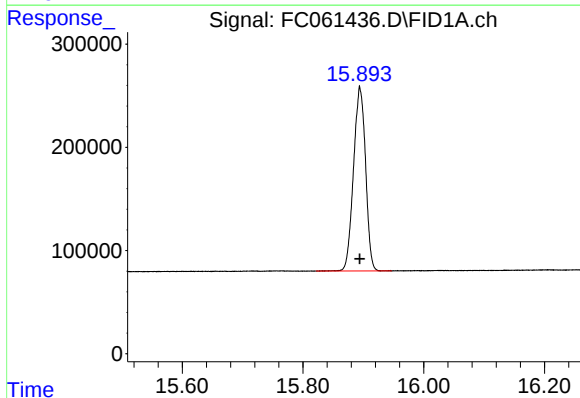
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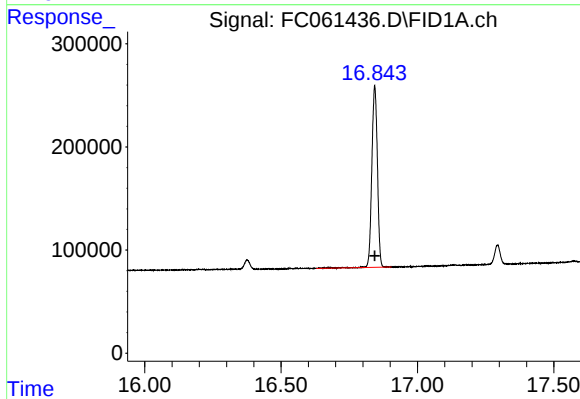
#14 n-Tetracosane (C24)

R.T.: 14.874 min
Delta R.T.: 0.000 min
Response: 2536158
Conc: 16.39 ug/ml



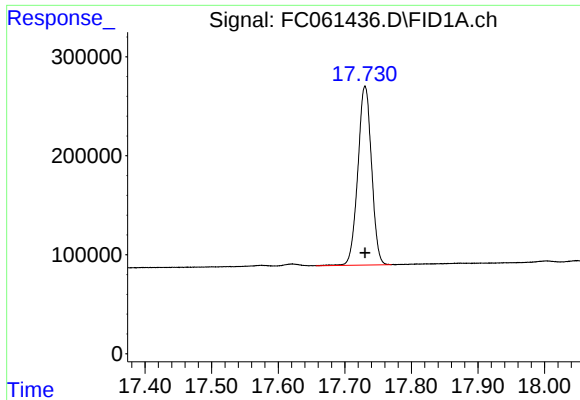
#15 n-Hexacosane (C26)

R.T.: 15.894 min
Delta R.T.: 0.000 min
Response: 2468525
Conc: 16.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.843 min
Delta R.T.: 0.000 min
Response: 2502728
Conc: 16.94 ug/ml



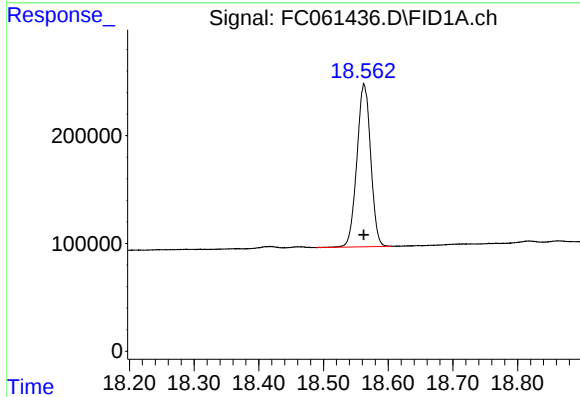
#17 n-Tricontane (C30)

R.T.: 17.730 min
Delta R.T.: 0.000 min
Response: 2580066
Conc: 18.68 ug/ml

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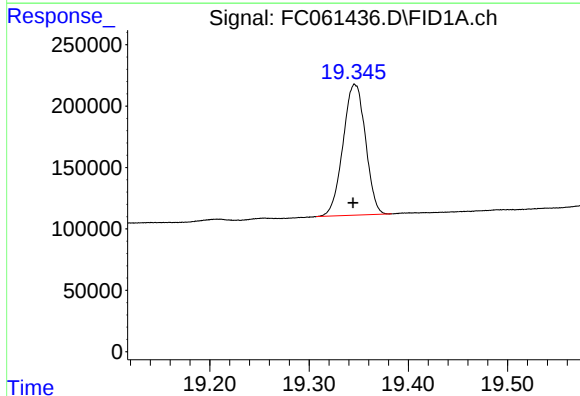
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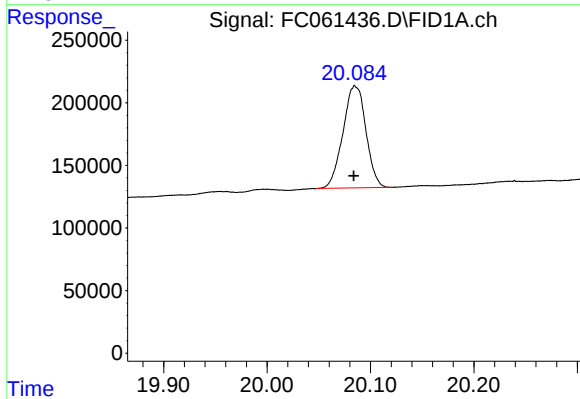
#18 n-Dotriacontane (C32)

R.T.: 18.563 min
Delta R.T.: 0.000 min
Response: 2232777
Conc: 20.34 ug/ml



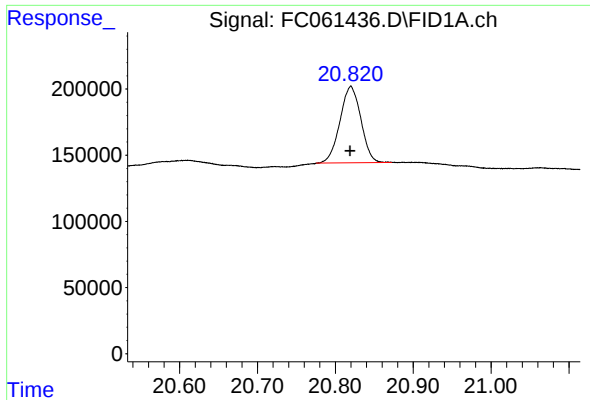
#19 n-Tetratriacontane (C34)

R.T.: 19.345 min
Delta R.T.: 0.001 min
Response: 1674376
Conc: 21.69 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.084 min
Delta R.T.: 0.000 min
Response: 1259077
Conc: 22.30 ug/ml m



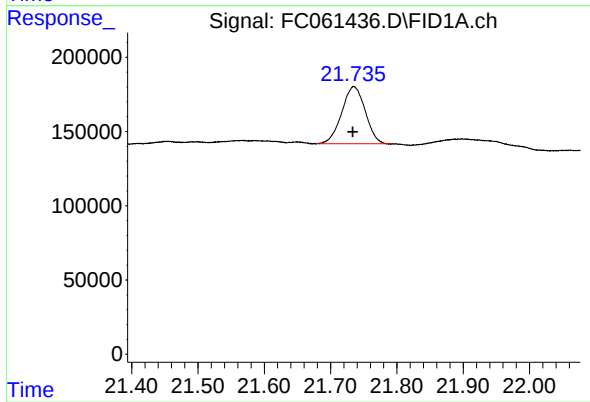
#21 n-Octatriacontane (C38)

R.T.: 20.820 min
Delta R.T.: 0.000 min
Response: 1077136
Conc: 23.22 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.735 min
Delta R.T.: 0.001 min
Response: 948019
Conc: 22.60 ug/ml m