

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF062623AL\
 Data File : FF013023.D
 Signal(s) : FID2B.ch
 Acq On : 27 Jun 2023 07:11
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/27/2023
 Supervised By :Ankita Jodhani 06/27/2023

Integration File: autoint1.e
 Quant Time: Jun 27 07:53:42 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 062023.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 20 13:45:06 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			
9) S ortho-Terphenyl (SURR)	10.869	2809245	19.039 ug/ml
Spiked Amount 50.000		Recovery =	38.08%
12) S 1-chlorooctadecane (S...	12.302	1981127	18.699 ug/ml
Spiked Amount 50.000		Recovery =	37.40%
Target Compounds			
1) T n-Nonane (C9)	2.739	2646053	22.417 ug/ml
2) T n-Decane (C10)	3.745	2667538	22.395 ug/ml
3) T A~Naphthalene (C11.7)	5.310	2683127	21.818 ug/ml
4) T n-Dodecane (C12)	5.728	2657510	22.024 ug/ml
5) T A~2-methylnaphthalene...	6.359	2404553	21.581 ug/ml
6) T n-Tetradecane (C14)	7.516	2523488	21.527 ug/ml
7) T n-Hexadecane (C16)	9.112	2521586	20.667 ug/ml
8) T n-Octadecane (C18)	10.550	2491637	19.598 ug/ml
10) T n-Eicosane (C20)	11.857	2356485	18.886 ug/ml
11) T n-Heneicosane (C21)	12.467	2308008	18.824 ug/ml
13) T n-Docosane (C22)	13.052	2257558	18.427 ug/ml
14) T n-Tetracosane (C24)	14.153	2265490	18.458 ug/ml
15) T n-Hexacosane (C26)	15.172	2233012	18.562 ug/ml
16) T n-Octacosane (C28)	16.119	2177246	18.515 ug/ml
17) T n-Tricontane (C30)	17.004	2258464	18.964 ug/ml
18) T n-Dotriacontane (C32)	17.834	2277387	19.476 ug/ml
19) T n-Tetratriacontane (C34)	18.618	2313516	20.837 ug/ml
20) T n-Hexatriacontane (C36)	19.355	2107988	19.886 ug/mlm
21) T n-Octatriacontane (C38)	20.077	2427037	23.226 ug/mlm
22) T n-Tetracontane (C40)	20.957	2065120	21.316 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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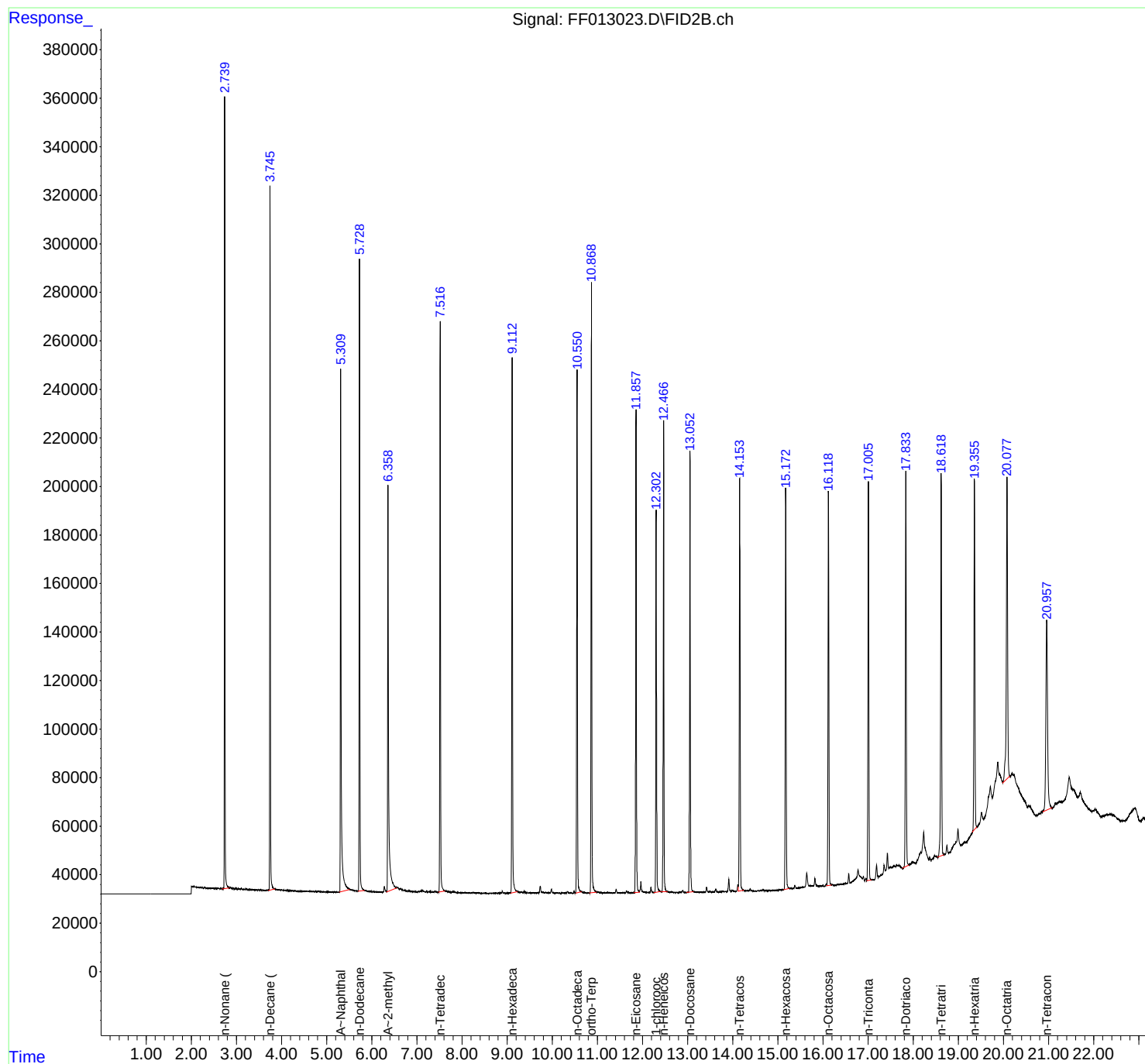
Instrument :
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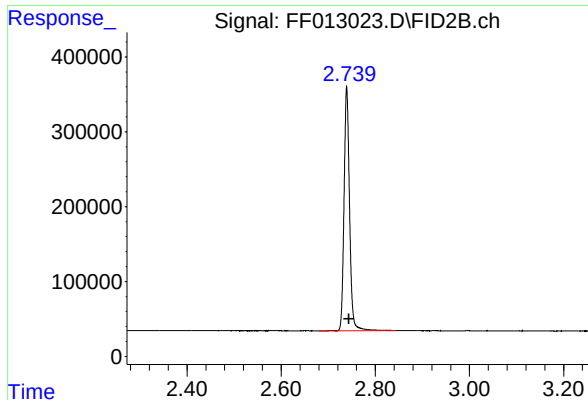
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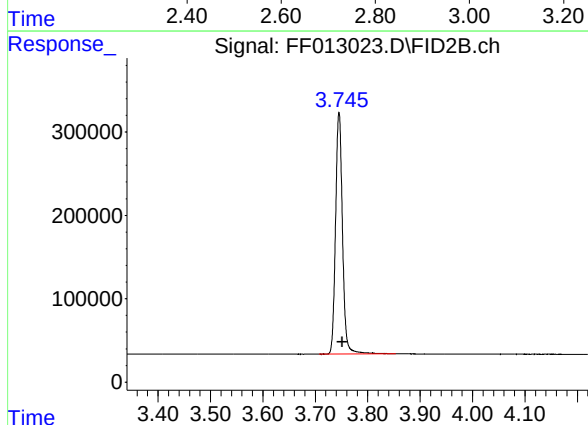
#1 n-Nonane (C9)

R.T.: 2.739 min
Delta R.T.: -0.005 min
Response: 2646053
Conc: 22.42 ug/ml

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20 PPM ALIPHATIC HC STD

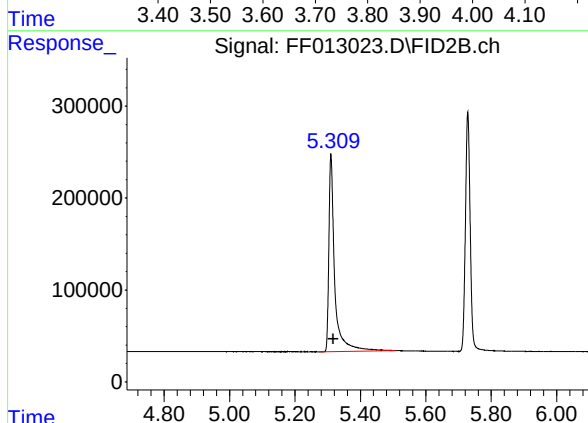
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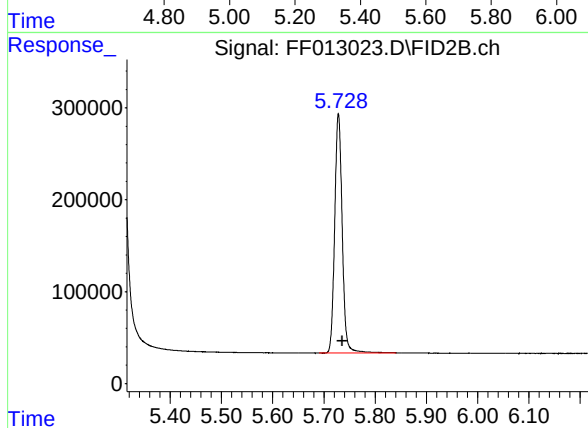
#2 n-Decane (C10)

R.T.: 3.745 min
Delta R.T.: -0.007 min
Response: 2667538
Conc: 22.40 ug/ml



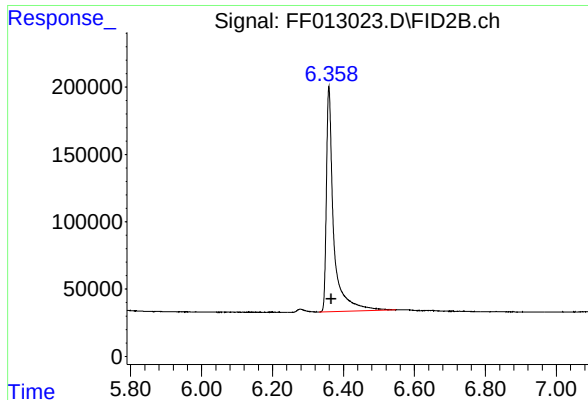
#3 A~Naphthalene (C11.7)

R.T.: 5.310 min
Delta R.T.: -0.007 min
Response: 2683127
Conc: 21.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.728 min
Delta R.T.: -0.008 min
Response: 2657510
Conc: 22.02 ug/ml



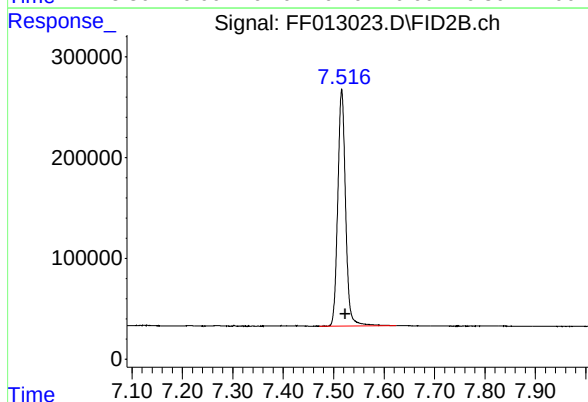
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.359 min
Delta R.T.: -0.007 min
Response: 2404553
Conc: 21.58 ug/ml

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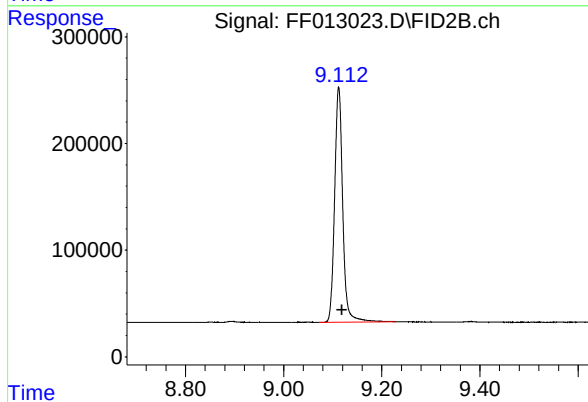
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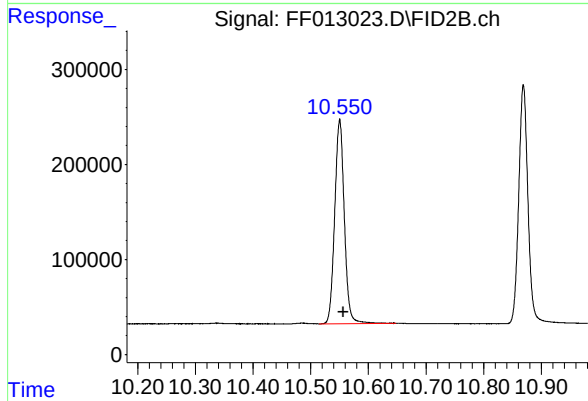
#6 n-Tetradecane (C14)

R.T.: 7.516 min
Delta R.T.: -0.007 min
Response: 2523488
Conc: 21.53 ug/ml



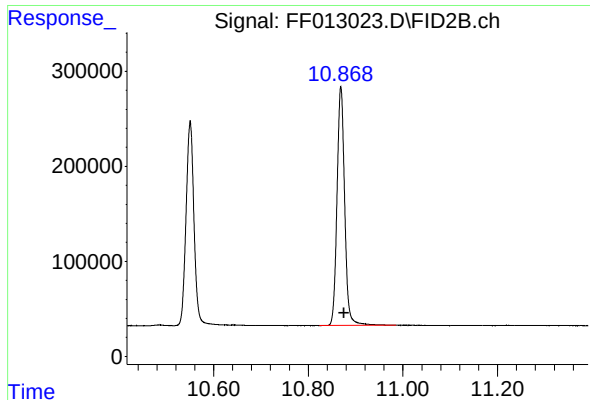
#7 n-Hexadecane (C16)

R.T.: 9.112 min
Delta R.T.: -0.007 min
Response: 2521586
Conc: 20.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.550 min
Delta R.T.: -0.006 min
Response: 2491637
Conc: 19.60 ug/ml



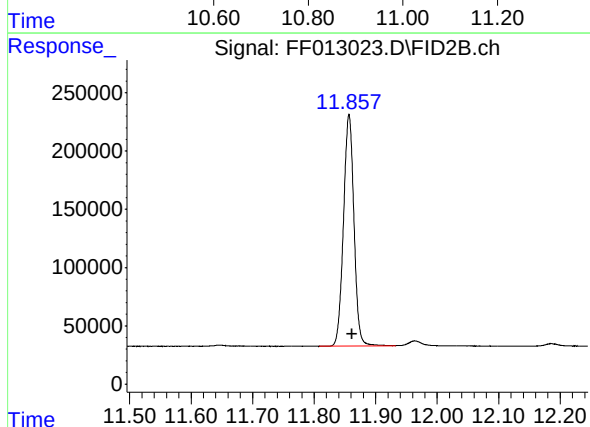
#9 ortho-Terphenyl (SURR)

R.T.: 10.869 min
Delta R.T.: -0.007 min
Response: 2809245
Conc: 19.04 ug/ml

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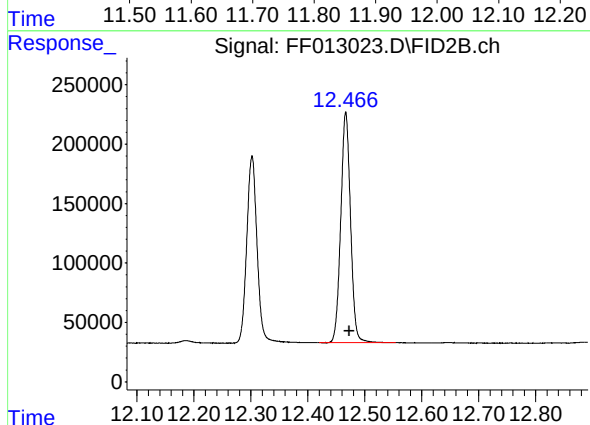
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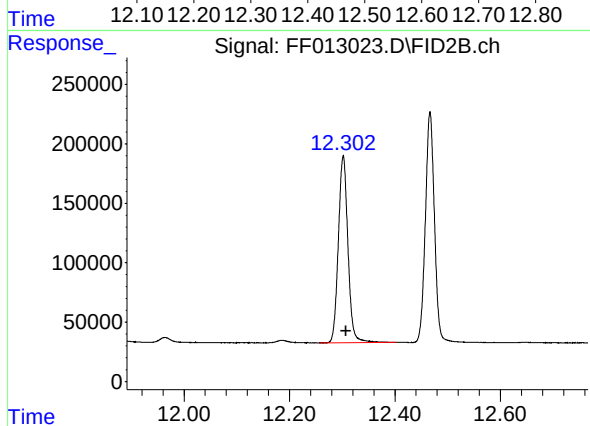
#10 n-Eicosane (C20)

R.T.: 11.857 min
Delta R.T.: -0.005 min
Response: 2356485
Conc: 18.89 ug/ml



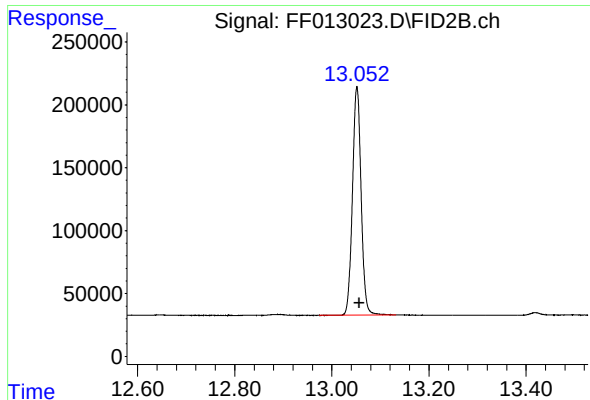
#11 n-Heneicosane (C21)

R.T.: 12.467 min
Delta R.T.: -0.006 min
Response: 2308008
Conc: 18.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.302 min
Delta R.T.: -0.005 min
Response: 1981127
Conc: 18.70 ug/ml



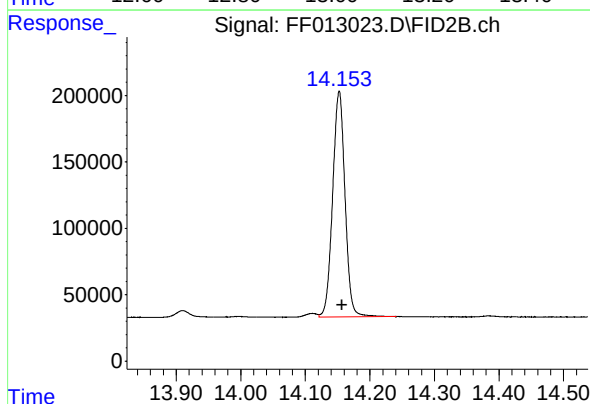
#13 n-Docosane (C22)

R.T.: 13.052 min
Delta R.T.: -0.005 min
Response: 2257558
Conc: 18.43 ug/ml

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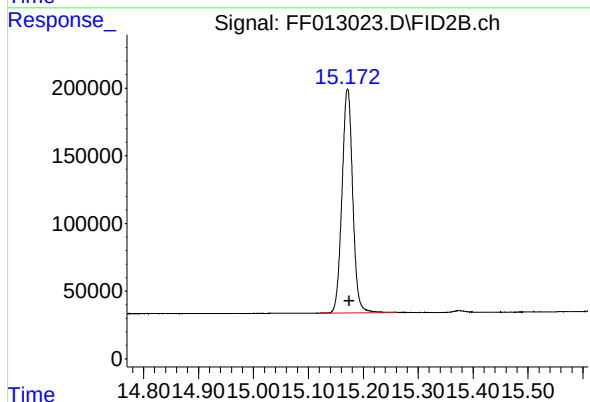
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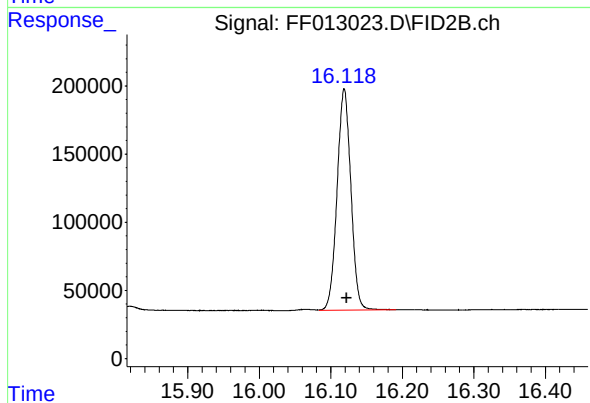
#14 n-Tetracosane (C24)

R.T.: 14.153 min
Delta R.T.: -0.005 min
Response: 2265490
Conc: 18.46 ug/ml



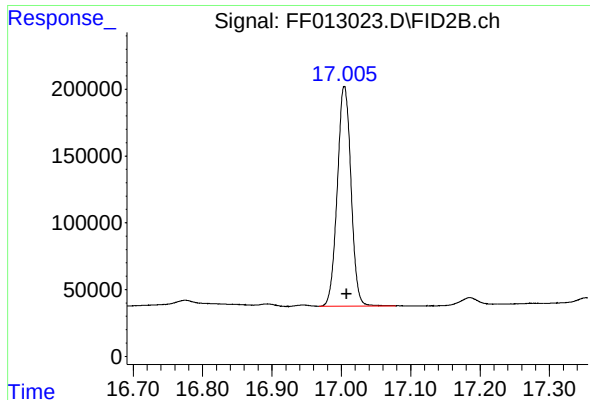
#15 n-Hexacosane (C26)

R.T.: 15.172 min
Delta R.T.: -0.003 min
Response: 2233012
Conc: 18.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.119 min
Delta R.T.: -0.003 min
Response: 2177246
Conc: 18.52 ug/ml



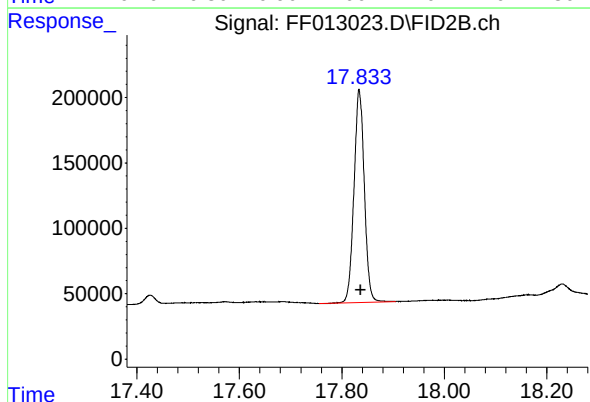
#17 n-Tricontane (C30)

R.T.: 17.004 min
Delta R.T.: -0.003 min
Response: 2258464
Conc: 18.96 ug/ml

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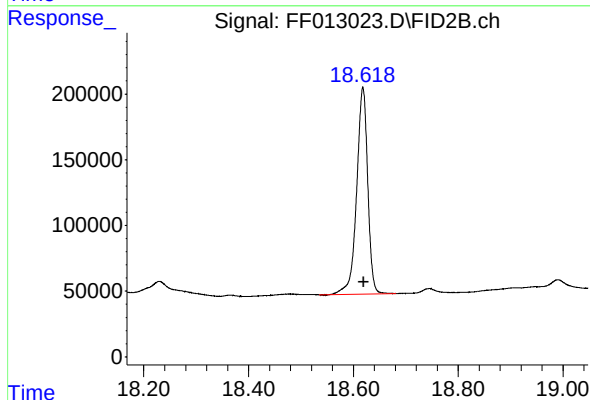
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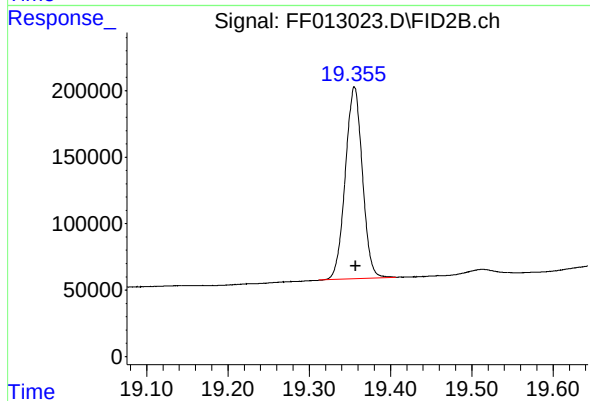
#18 n-Dotriacontane (C32)

R.T.: 17.834 min
Delta R.T.: -0.003 min
Response: 2277387
Conc: 19.48 ug/ml



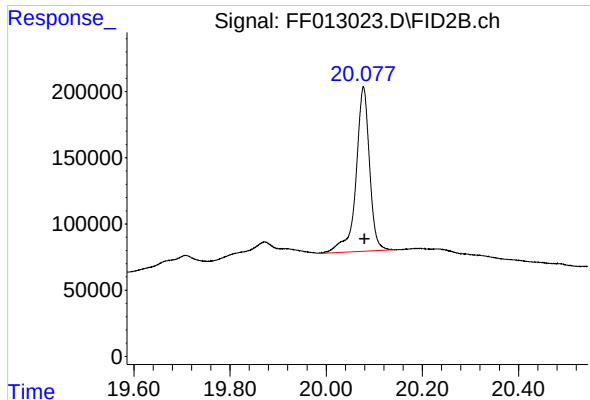
#19 n-Tetatriacontane (C34)

R.T.: 18.618 min
Delta R.T.: 0.000 min
Response: 2313516
Conc: 20.84 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.355 min
Delta R.T.: -0.002 min
Response: 2107988
Conc: 19.89 ug/ml m



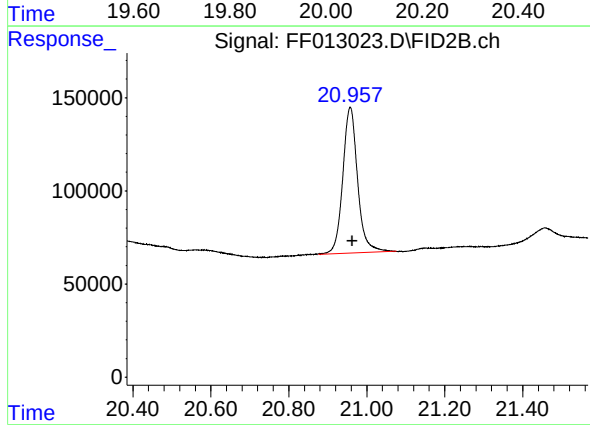
#21 n-Octatriacontane (C38)

R.T.: 20.077 min
Delta R.T.: -0.003 min
Response: 2427037
Conc: 23.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.957 min
Delta R.T.: -0.006 min
Response: 2065120
Conc: 21.32 ug/ml m