

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF121421AL\
 Data File : FF009417.D
 Signal(s) : FID2B.ch
 Acq On : 15 Dec 2021 06:36
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/15/2021
 Supervised By :Ankita Jodhani 12/16/2021

Integration File: autoint1.e
 Quant Time: Dec 15 08:45:29 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH -FF121421
 Quant Title : GC Extractables
 QLast Update : Tue Dec 14 16:37:50 2021
 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)	10.740	2597544	19.323 ug/ml
Spiked Amount 50.000		Recovery =	38.65%
12) S 1-chlorooctadecane (S...	12.174	2038349	19.075 ug/ml
Spiked Amount 50.000		Recovery =	38.15%
Target Compounds			
1) T n-Nonane (C9)	2.638	2346353	20.233 ug/ml
2) T n-Decane (C10)	3.639	2380653	20.542 ug/ml
3) T A~Naphthalene (C11.7)	5.190	2647804	21.042 ug/ml
4) T n-Dodecane (C12)	5.616	2396999	20.382 ug/ml
5) T A~2-methylnaphthalene...	6.234	2675914	21.350 ug/ml
6) T n-Tetradecane (C14)	7.399	2417890	20.458 ug/ml
7) T n-Hexadecane (C16)	8.992	2427205	20.215 ug/ml
8) T n-Octadecane (C18)	10.428	2474645	19.584 ug/ml
10) T n-Eicosane (C20)	11.731	2422711	18.970 ug/ml
11) T n-Heneicosane (C21)	12.341	2416502	18.604 ug/ml
13) T n-Docosane (C22)	12.925	2394893	18.482 ug/ml
14) T n-Tetracosane (C24)	14.024	2372491	18.213 ug/ml
15) T n-Hexacosane (C26)	15.041	2276575	18.300 ug/ml
16) T n-Octacosane (C28)	15.987	2218427	19.186 ug/ml
17) T n-Tricontane (C30)	16.871	2152562	20.144 ug/ml
18) T n-Dotriacontane (C32)	17.700	2073404	20.137 ug/mlm
19) T n-Tetratriacontane (C34)	18.481	2052072	20.017 ug/ml
20) T n-Hexatriacontane (C36)	19.217	2005333	20.044 ug/ml
21) T n-Octatriacontane (C38)	19.926	1970941	20.352 ug/ml
22) T n-Tetracontane (C40)	20.756	2063751	25.362 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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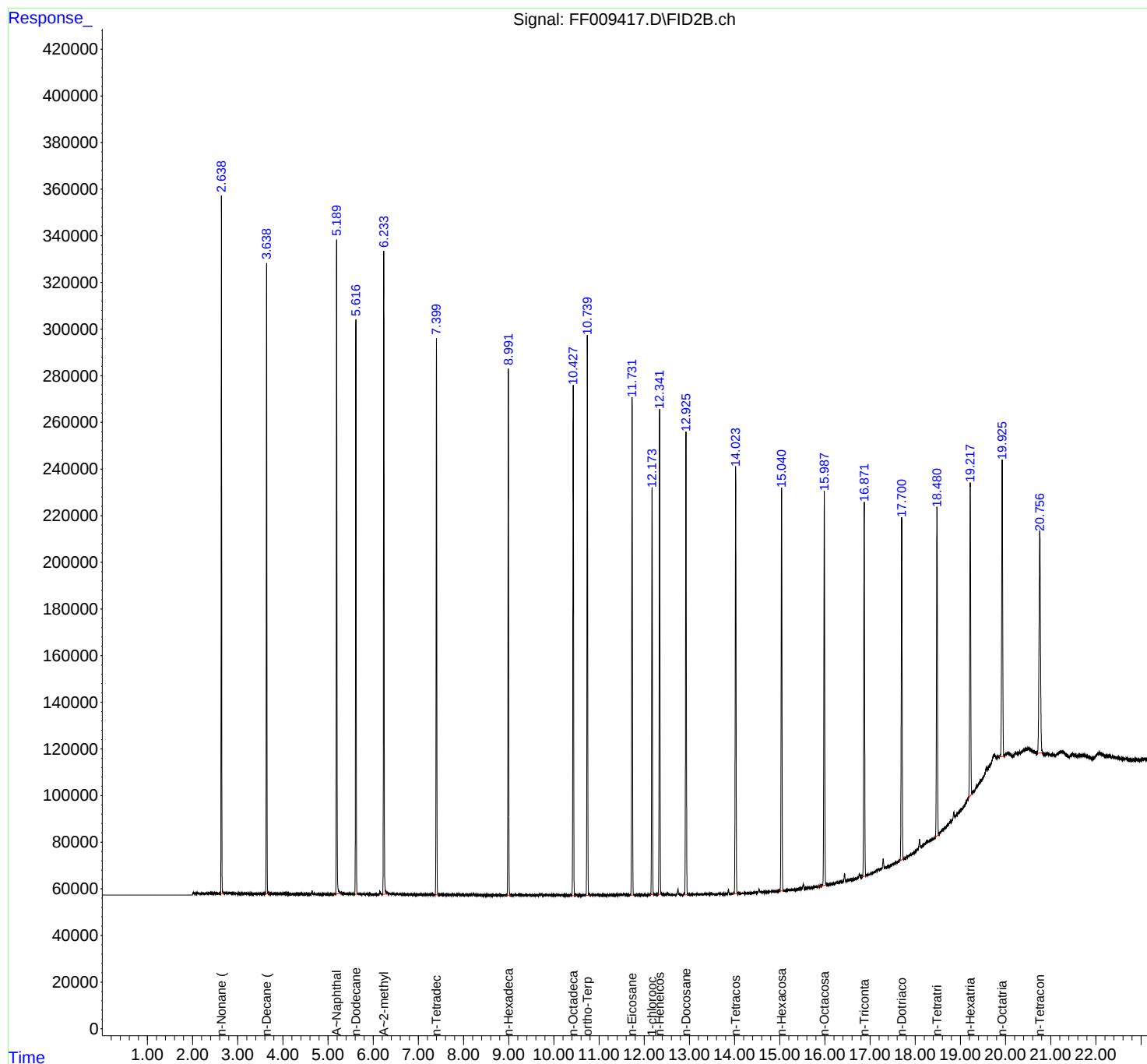
Instrument :
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20 PPM ALIPHATIC HC STD

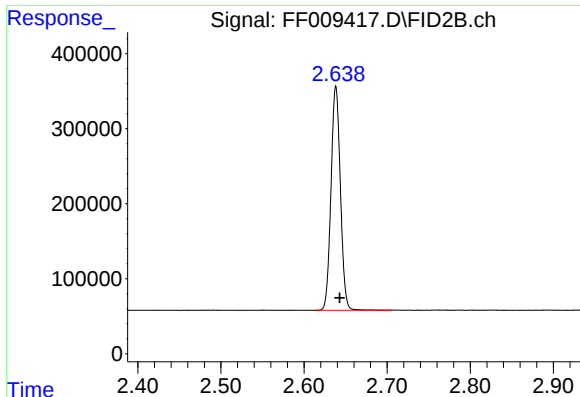
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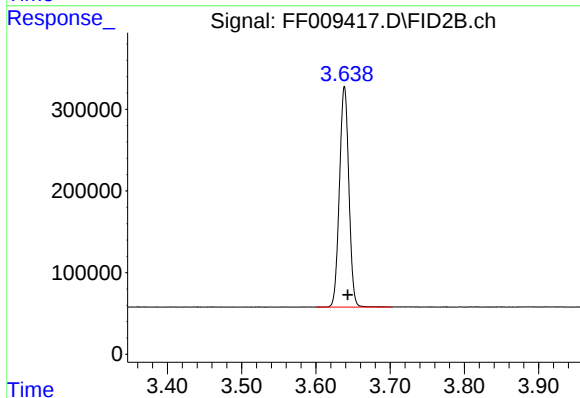
#1 n-Nonane (C9)

R.T.: 2.638 min
Delta R.T.: -0.005 min
Response: 2346353
Conc: 20.23 ug/ml

Instrument :
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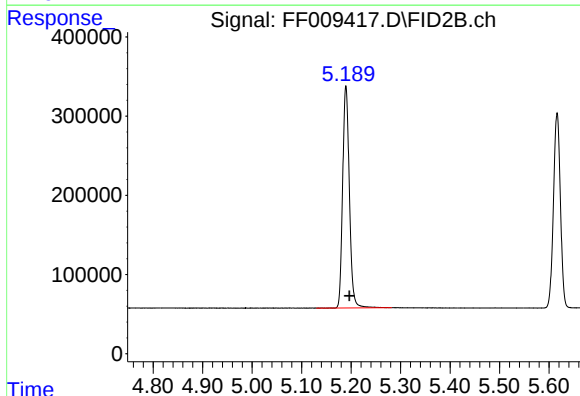
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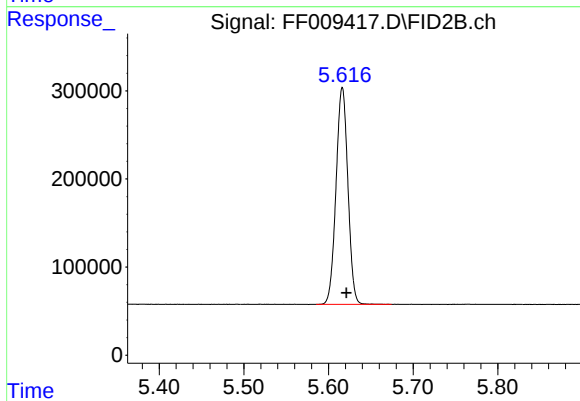
#2 n-Decane (C10)

R.T.: 3.639 min
Delta R.T.: -0.004 min
Response: 2380653
Conc: 20.54 ug/ml



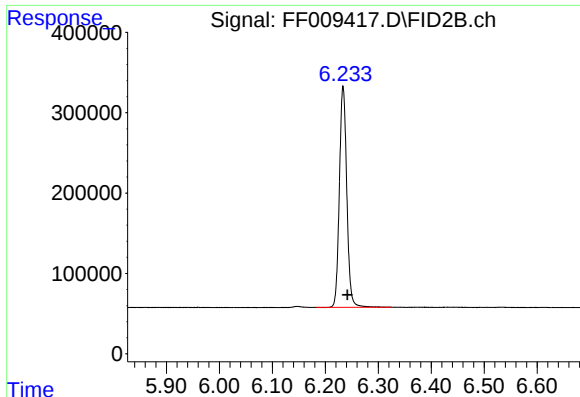
#3 A~Naphthalene (C11.7)

R.T.: 5.190 min
Delta R.T.: -0.007 min
Response: 2647804
Conc: 21.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.616 min
Delta R.T.: -0.005 min
Response: 2396999
Conc: 20.38 ug/ml



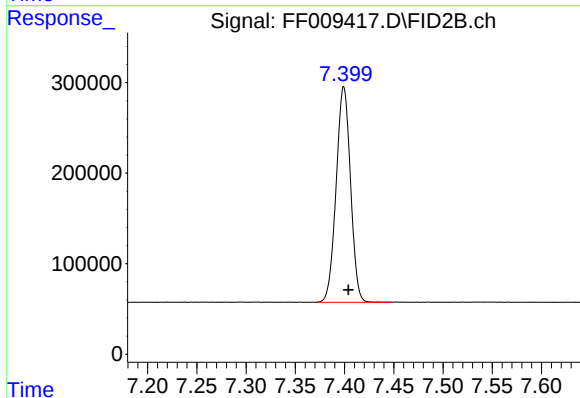
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.234 min
Delta R.T.: -0.008 min
Response: 2675914
Conc: 21.35 ug/ml

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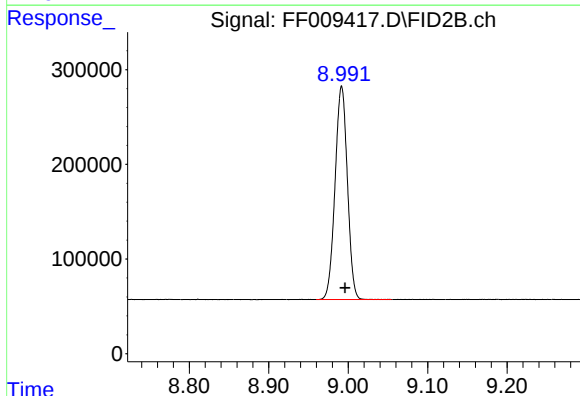
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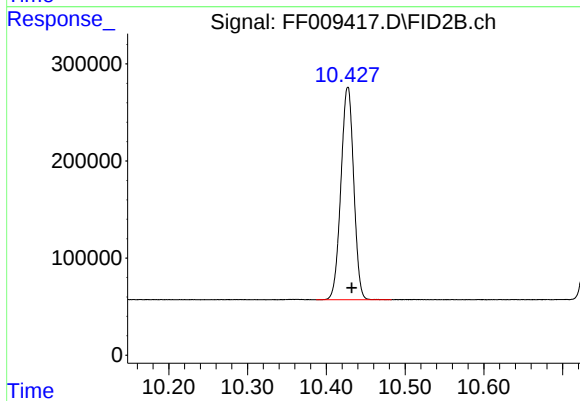
#6 n-Tetradecane (C14)

R.T.: 7.399 min
Delta R.T.: -0.005 min
Response: 2417890
Conc: 20.46 ug/ml



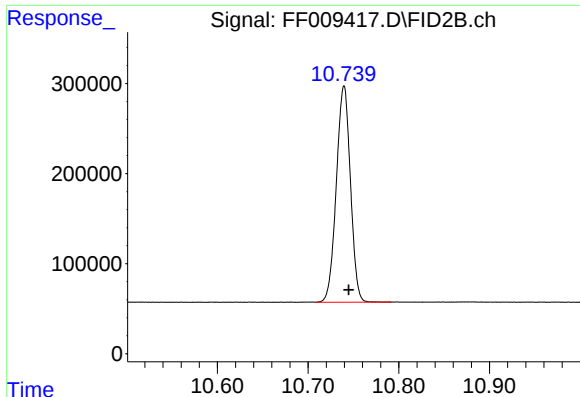
#7 n-Hexadecane (C16)

R.T.: 8.992 min
Delta R.T.: -0.005 min
Response: 2427205
Conc: 20.21 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.428 min
Delta R.T.: -0.005 min
Response: 2474645
Conc: 19.58 ug/ml



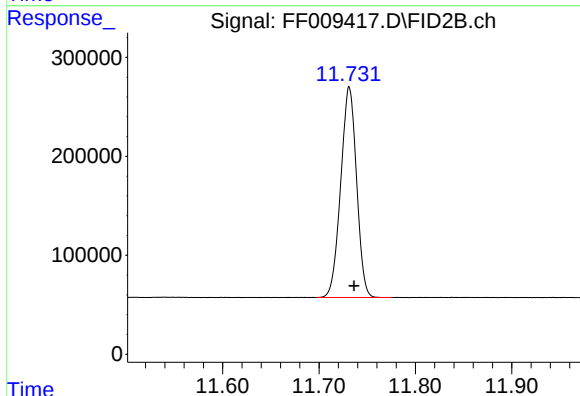
#9 ortho-Terphenyl (SURR)

R.T.: 10.740 min
Delta R.T.: -0.005 min
Response: 2597544
Conc: 19.32 ug/ml

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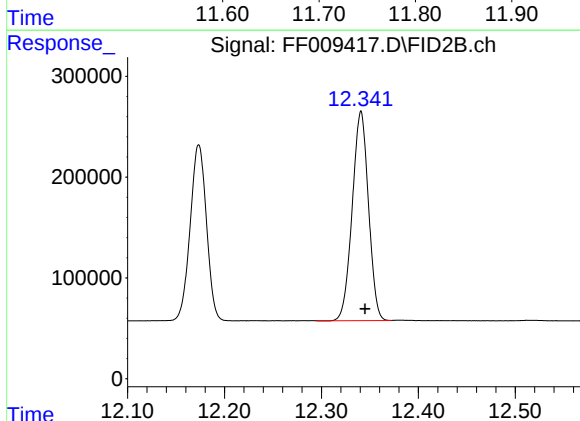
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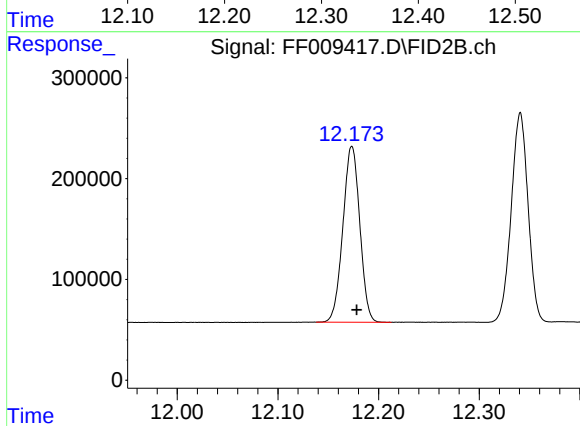
#10 n-Eicosane (C20)

R.T.: 11.731 min
Delta R.T.: -0.005 min
Response: 2422711
Conc: 18.97 ug/ml



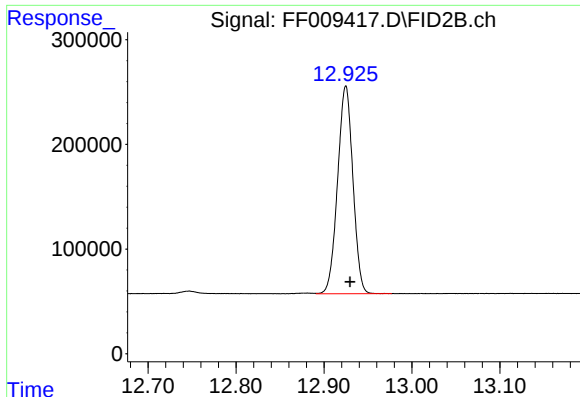
#11 n-Heneicosane (C21)

R.T.: 12.341 min
Delta R.T.: -0.004 min
Response: 2416502
Conc: 18.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.174 min
Delta R.T.: -0.005 min
Response: 2038349
Conc: 19.07 ug/ml



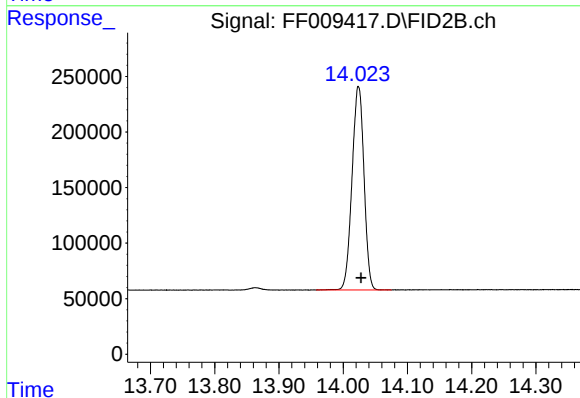
#13 n-Docosane (C22)

R.T.: 12.925 min
Delta R.T.: -0.005 min
Response: 2394893
Conc: 18.48 ug/ml

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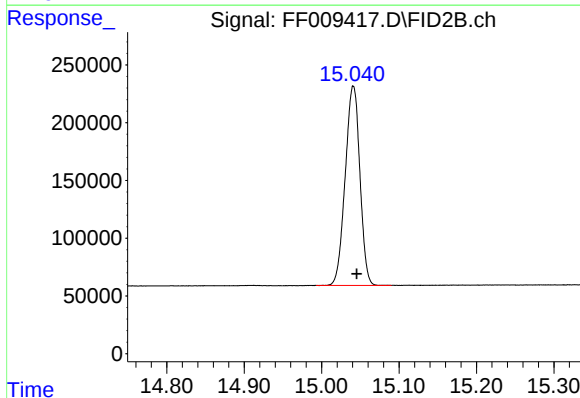
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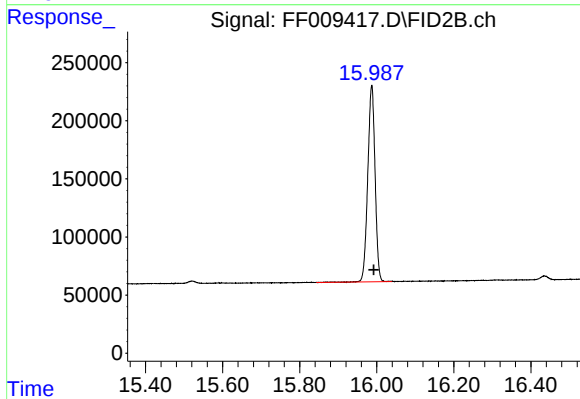
#14 n-Tetracosane (C24)

R.T.: 14.024 min
Delta R.T.: -0.004 min
Response: 2372491
Conc: 18.21 ug/ml



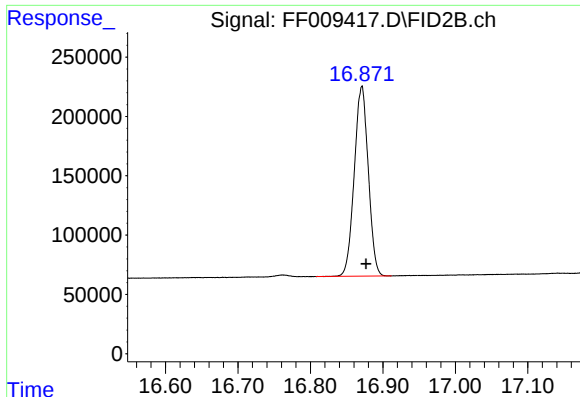
#15 n-Hexacosane (C26)

R.T.: 15.041 min
Delta R.T.: -0.004 min
Response: 2276575
Conc: 18.30 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.987 min
Delta R.T.: -0.005 min
Response: 2218427
Conc: 19.19 ug/ml



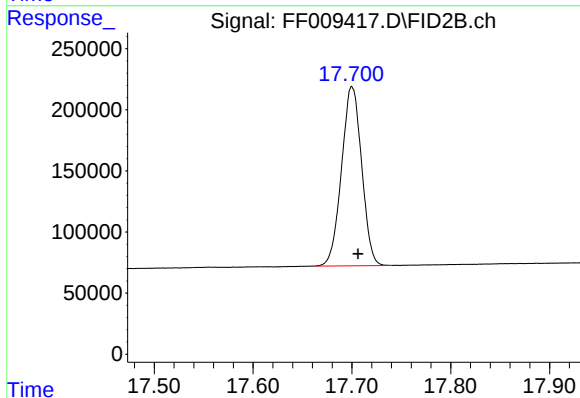
#17 n-Tricontane (C30)

R.T.: 16.871 min
Delta R.T.: -0.006 min
Response: 2152562
Conc: 20.14 ug/ml

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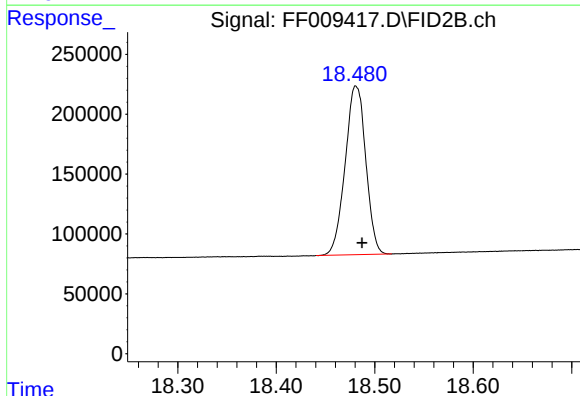
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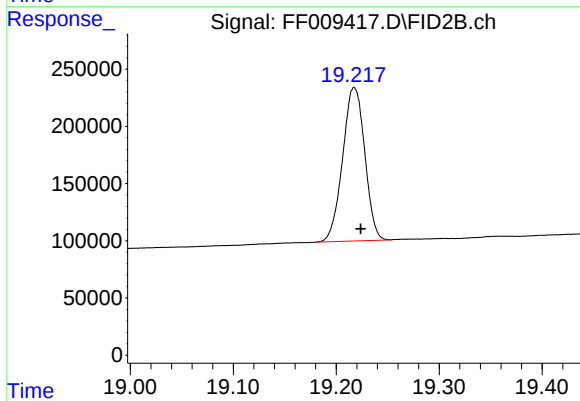
#18 n-Dotriacontane (C32)

R.T.: 17.700 min
Delta R.T.: -0.007 min
Response: 2073404
Conc: 20.14 ug/ml m



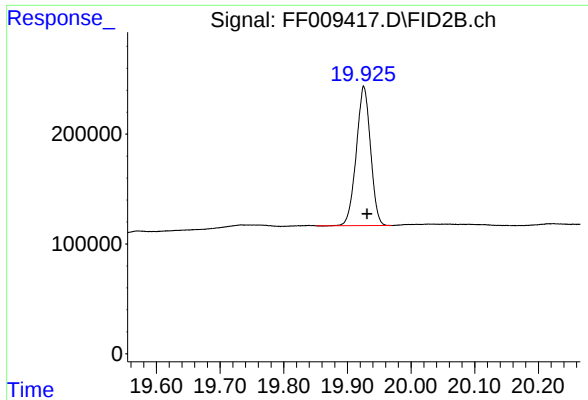
#19 n-Tetratriacontane (C34)

R.T.: 18.481 min
Delta R.T.: -0.006 min
Response: 2052072
Conc: 20.02 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.217 min
Delta R.T.: -0.006 min
Response: 2005333
Conc: 20.04 ug/ml



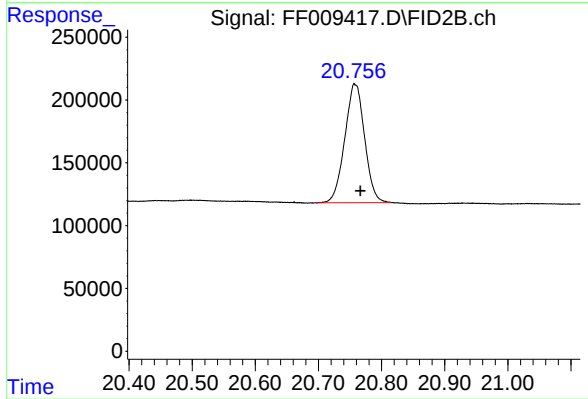
#21 n-Octatriacontane (C38)

R.T.: 19.926 min
Delta R.T.: -0.005 min
Response: 1970941
Conc: 20.35 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.756 min
Delta R.T.: -0.010 min
Response: 2063751
Conc: 25.36 ug/ml m