

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF080524AL\
 Data File : FF014384.D
 Signal(s) : FID2B.ch
 Acq On : 05 Aug 2024 10:24
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/06/2024
 Supervised By :Ankita Jodhani 08/06/2024

Integration File: autoint1.e
 Quant Time: Aug 06 06:24:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 30 05:51:52 2024
 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)	11.814	2982209	21.174 ug/ml
Spiked Amount 50.000		Recovery =	42.35%
12) S 1-chlorooctadecane (S...	13.256	1980900	21.187 ug/ml
Spiked Amount 50.000		Recovery =	42.37%
Target Compounds			
1) T n-Nonane (C9)	3.216	2705050	20.930 ug/ml
2) T n-Decane (C10)	4.464	2763589	21.092 ug/ml
3) T A~Naphthalene (C11.7)	6.159	2748418	21.585 ug/ml
4) T n-Dodecane (C12)	6.630	2797317	21.152 ug/ml
5) T A~2-methylnaphthalene...	7.254	2537815	21.905 ug/ml
6) T n-Tetradecane (C14)	8.456	2749018	21.355 ug/ml
7) T n-Hexadecane (C16)	10.062	2788262	21.535 ug/ml
8) T n-Octadecane (C18)	11.504	2848712	21.575 ug/ml
10) T n-Eicosane (C20)	12.813	2689771	21.401 ug/ml
11) T n-Heneicosane (C21)	13.425	2626198	21.412 ug/ml
13) T n-Docosane (C22)	14.012	2570346	21.448 ug/ml
14) T n-Tetracosane (C24)	15.115	2487233	21.282 ug/ml
15) T n-Hexacosane (C26)	16.137	2387541	21.124 ug/ml
16) T n-Octacosane (C28)	17.087	2279527	20.679 ug/ml
17) T n-Tricontane (C30)	17.974	2253974	20.194 ug/ml
18) T n-Dotriacontane (C32)	18.807	2124129	19.353 ug/ml
19) T n-Tetratriacontane (C34)	19.589	1914366	18.650 ug/mlm
20) T n-Hexatriacontane (C36)	20.329	1596863	17.887 ug/mlm
21) T n-Octatriacontane (C38)	21.050	1162680	16.883 ug/ml
22) T n-Tetracontane (C40)	21.929	681349	15.230 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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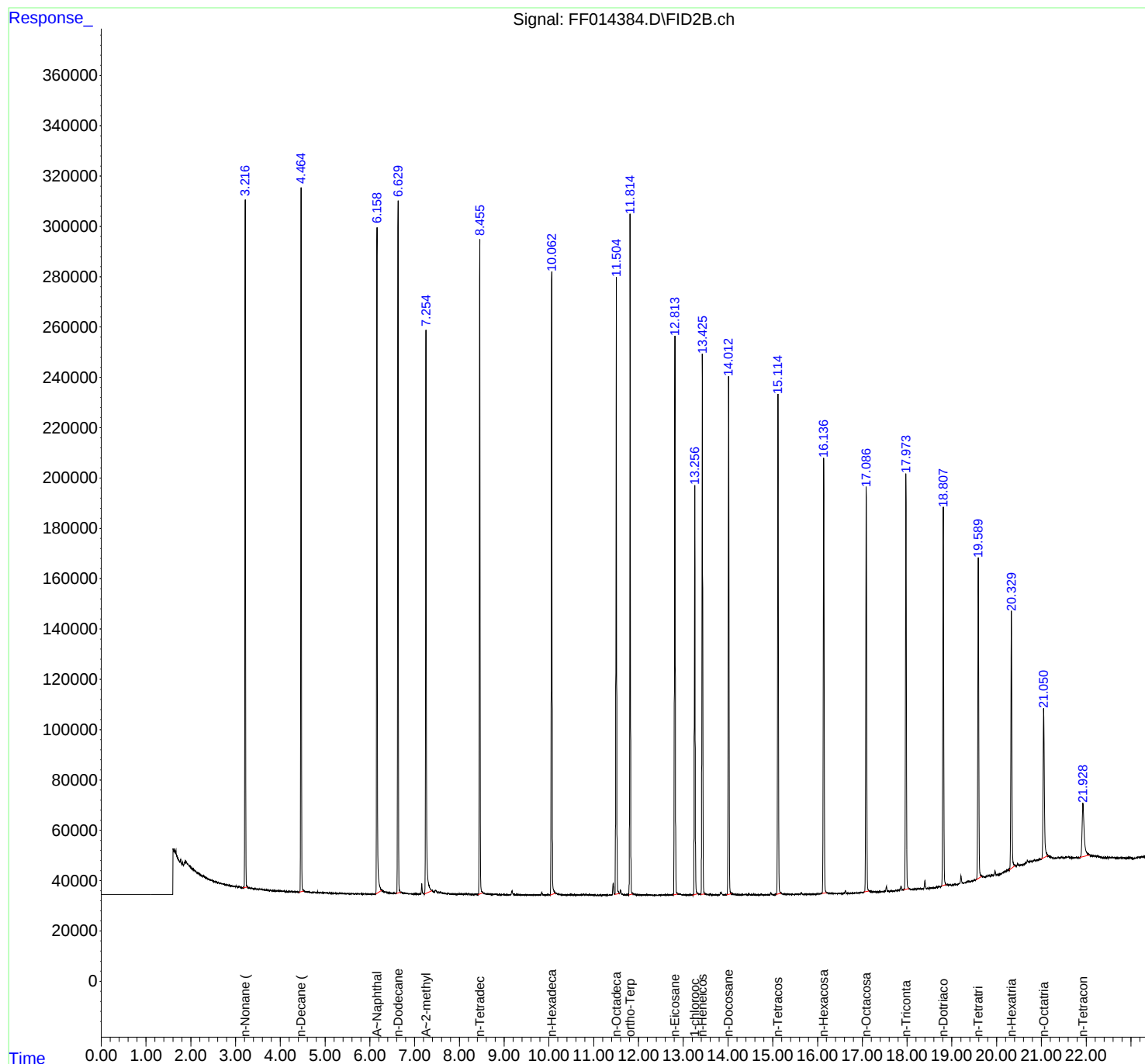
Instrument :
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20 PPM ALIPHATIC HC STD

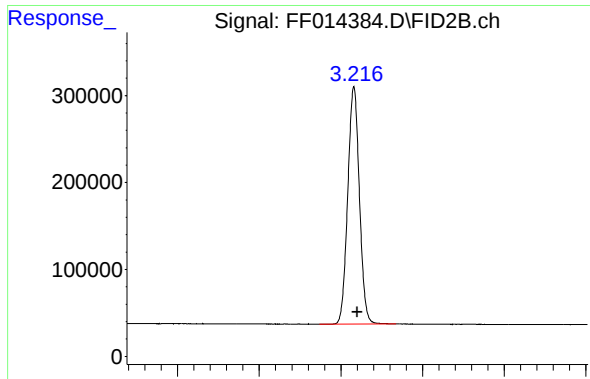
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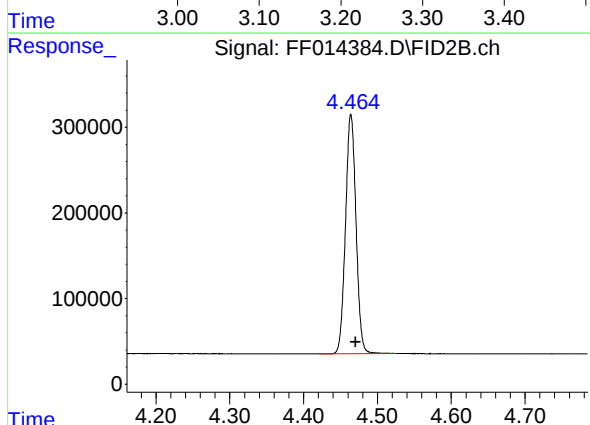
#1 n-Nonane (C9)

R.T.: 3.216 min
Delta R.T.: -0.004 min
Response: 2705050
Conc: 20.93 ug/ml

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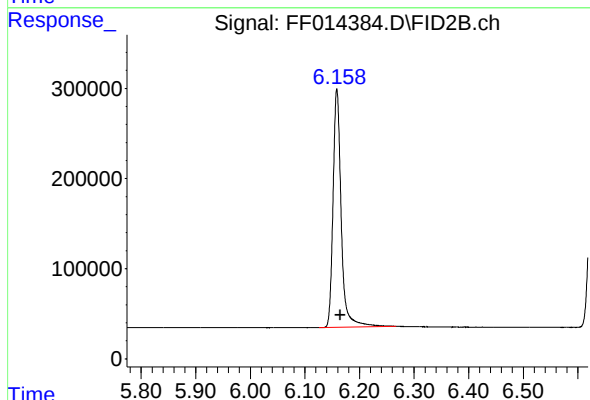
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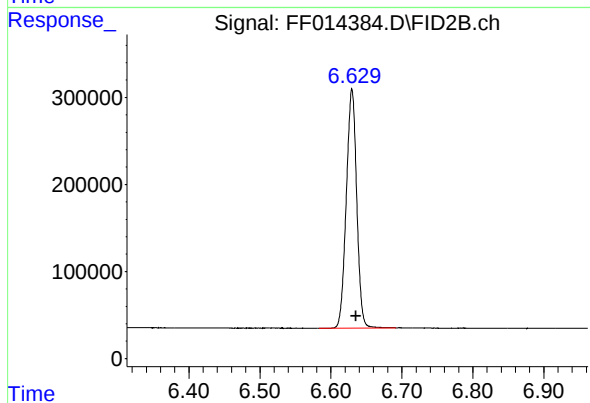
#2 n-Decane (C10)

R.T.: 4.464 min
Delta R.T.: -0.006 min
Response: 2763589
Conc: 21.09 ug/ml



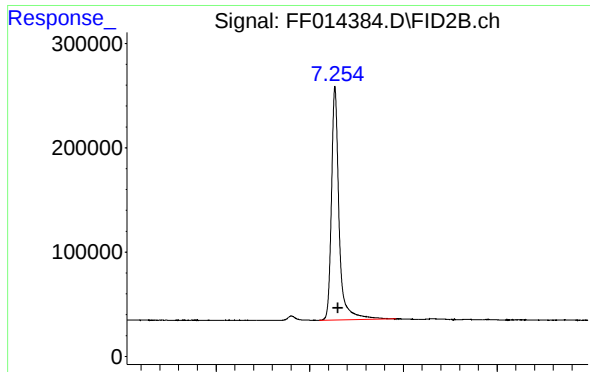
#3 A~Naphthalene (C11.7)

R.T.: 6.159 min
Delta R.T.: -0.006 min
Response: 2748418
Conc: 21.59 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.630 min
Delta R.T.: -0.005 min
Response: 2797317
Conc: 21.15 ug/ml



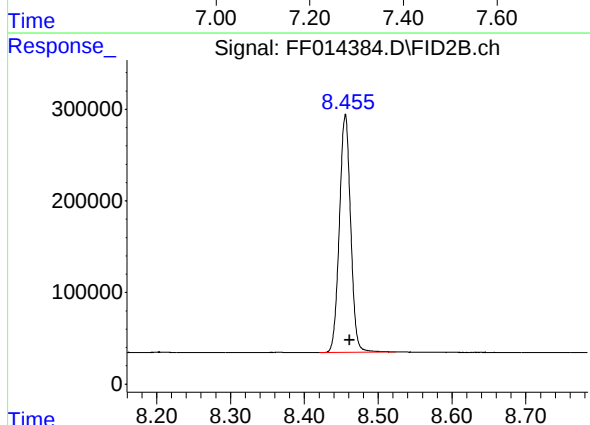
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.254 min
Delta R.T.: -0.006 min
Response: 2537815
Conc: 21.91 ug/ml

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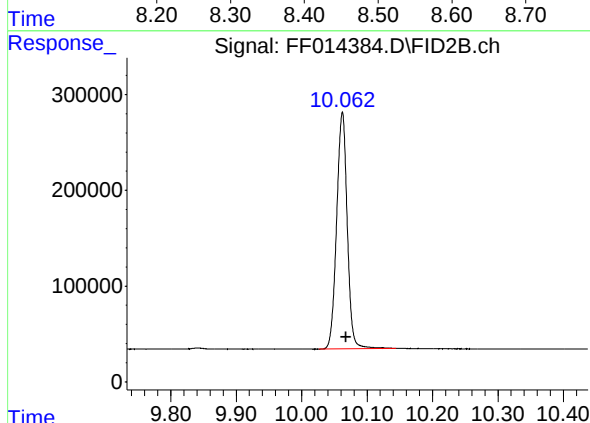
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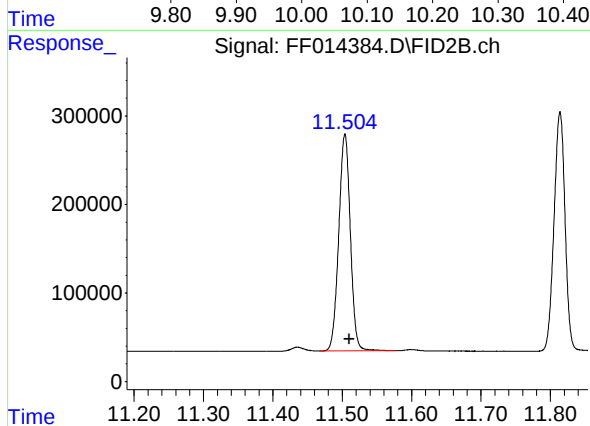
#6 n-Tetradecane (C14)

R.T.: 8.456 min
Delta R.T.: -0.006 min
Response: 2749018
Conc: 21.36 ug/ml



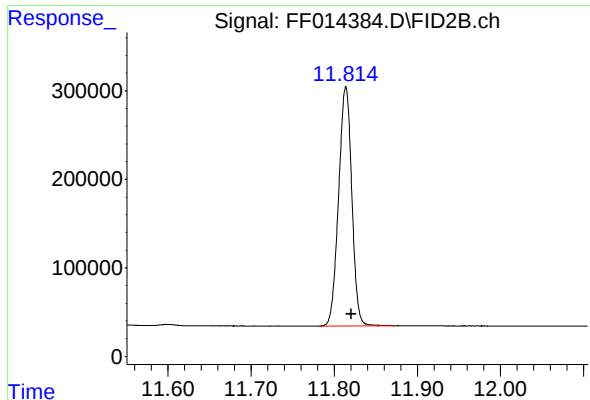
#7 n-Hexadecane (C16)

R.T.: 10.062 min
Delta R.T.: -0.005 min
Response: 2788262
Conc: 21.53 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.504 min
Delta R.T.: -0.006 min
Response: 2848712
Conc: 21.57 ug/ml



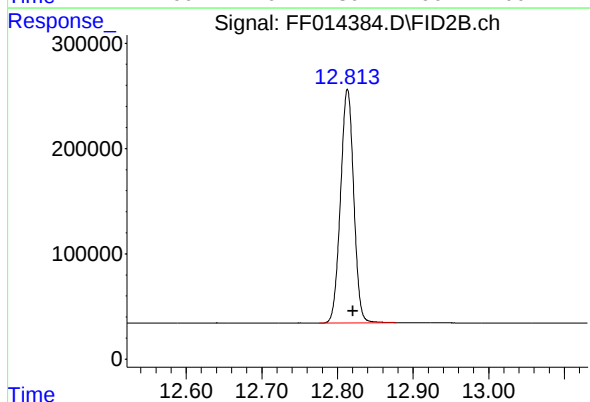
#9 ortho-Terphenyl (SURR)

R.T.: 11.814 min
Delta R.T.: -0.007 min
Response: 2982209
Conc: 21.17 ug/ml

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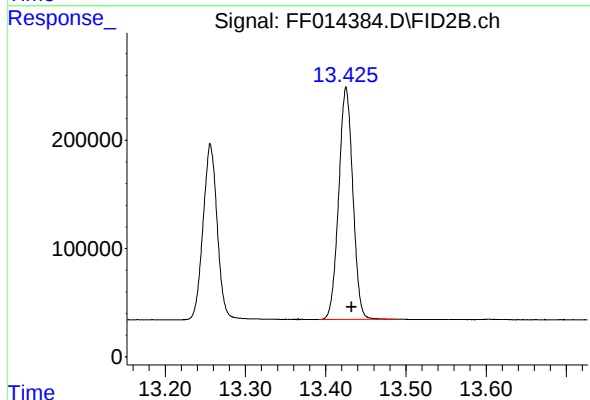
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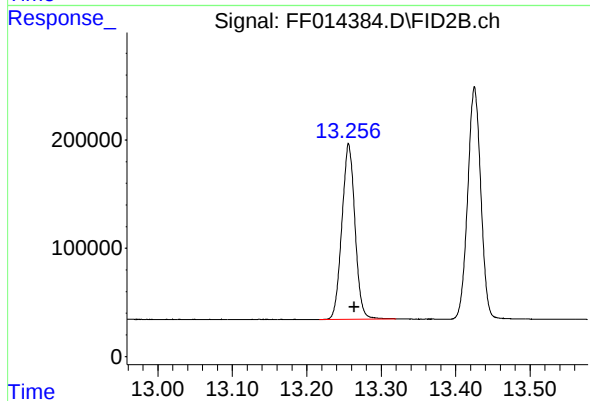
#10 n-Eicosane (C20)

R.T.: 12.813 min
Delta R.T.: -0.007 min
Response: 2689771
Conc: 21.40 ug/ml



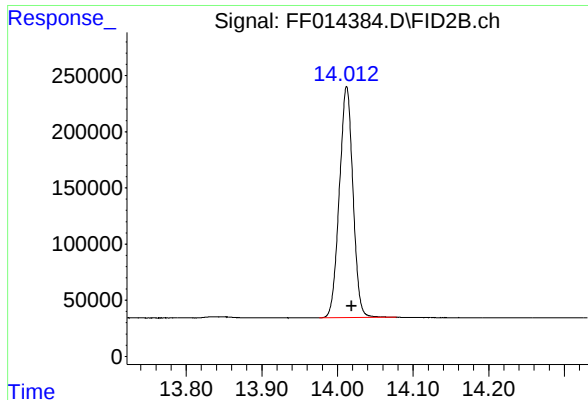
#11 n-Heneicosane (C21)

R.T.: 13.425 min
Delta R.T.: -0.007 min
Response: 2626198
Conc: 21.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.256 min
Delta R.T.: -0.008 min
Response: 1980900
Conc: 21.19 ug/ml



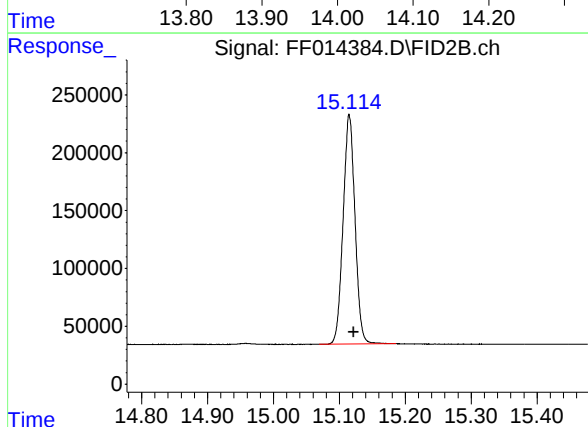
#13 n-Docosane (C22)

R.T.: 14.012 min
Delta R.T.: -0.007 min
Response: 2570346
Conc: 21.45 ug/ml

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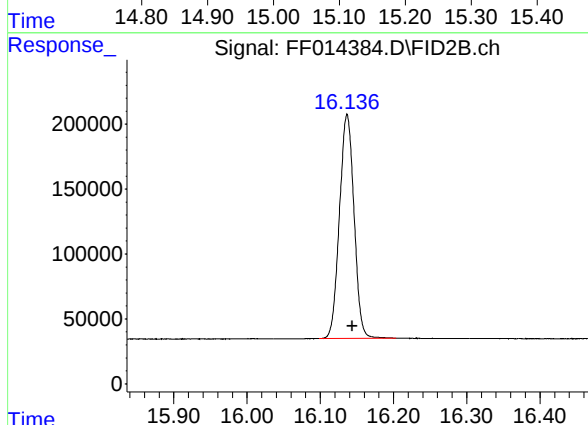
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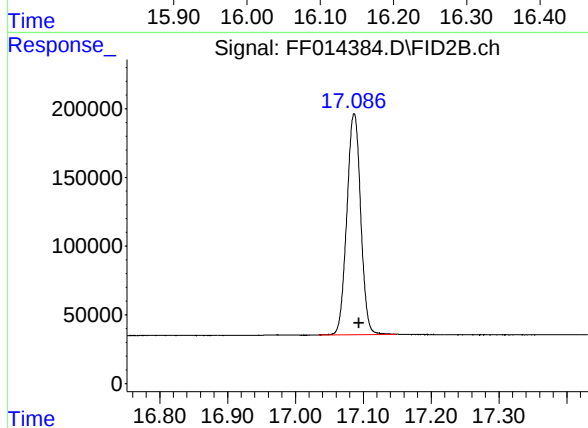
#14 n-Tetracosane (C24)

R.T.: 15.115 min
Delta R.T.: -0.007 min
Response: 2487233
Conc: 21.28 ug/ml



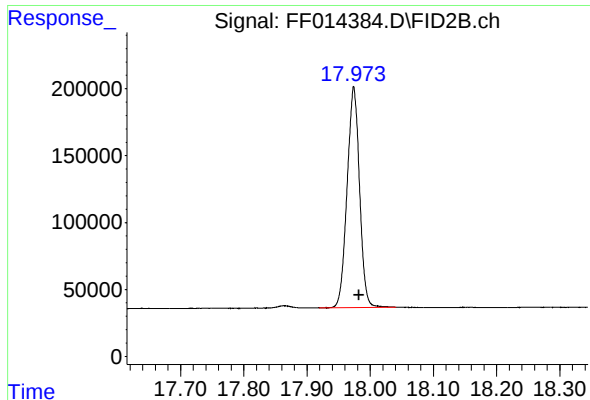
#15 n-Hexacosane (C26)

R.T.: 16.137 min
Delta R.T.: -0.007 min
Response: 2387541
Conc: 21.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.087 min
Delta R.T.: -0.007 min
Response: 2279527
Conc: 20.68 ug/ml



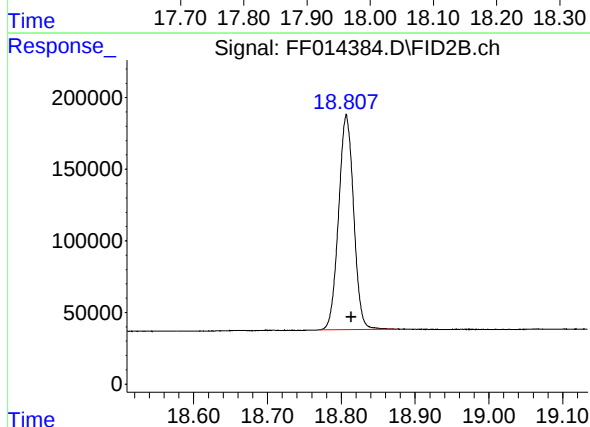
#17 n-Tricontane (C30)

R.T.: 17.974 min
Delta R.T.: -0.008 min
Response: 2253974
Conc: 20.19 ug/ml

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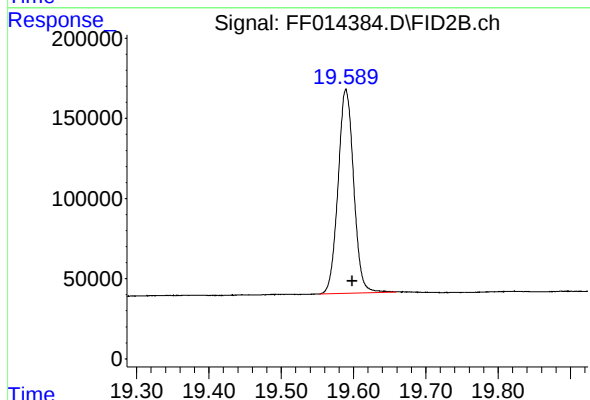
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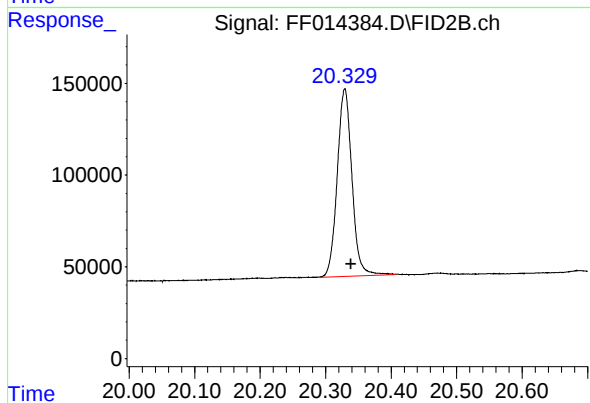
#18 n-Dotriacontane (C32)

R.T.: 18.807 min
Delta R.T.: -0.007 min
Response: 2124129
Conc: 19.35 ug/ml



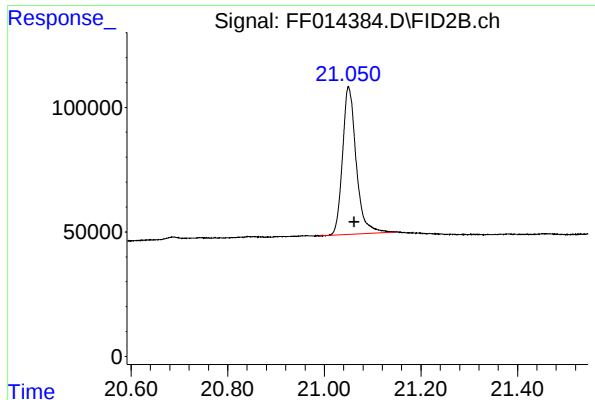
#19 n-Tetratriacontane (C34)

R.T.: 19.589 min
Delta R.T.: -0.009 min
Response: 1914366
Conc: 18.65 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.329 min
Delta R.T.: -0.009 min
Response: 1596863
Conc: 17.89 ug/ml m



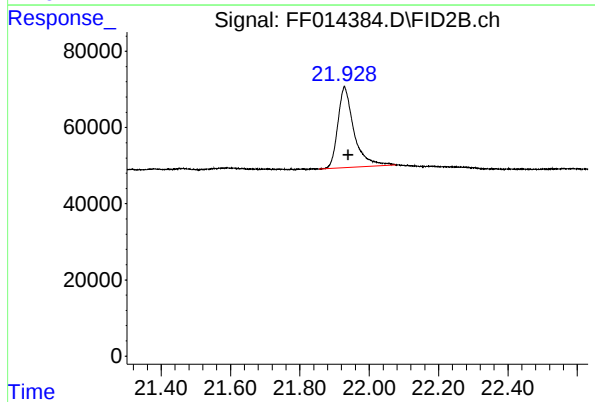
#21 n-Octatriacontane (C38)

R.T.: 21.050 min
Delta R.T.: -0.012 min
Response: 1162680
Conc: 16.88 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.929 min
Delta R.T.: -0.011 min
Response: 681349
Conc: 15.23 ug/ml