

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061623AL\
 Data File : FG012203.D
 Signal(s) : FID1A.ch
 Acq On : 16 Jun 2023 23:59
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :Ankita Jodhani 06/19/2023

Integration File: autoint1.e
 Quant Time: Jun 17 00:24:26 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051923.M
 Quant Title : GC Extractables
 QLast Update : Fri May 19 12:59:06 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)	10.906	3136652	20.040 ug/ml
Spiked Amount 50.000		Recovery =	40.08%
12) S 1-chlorooctadecane (S...	12.345	2331620	19.663 ug/ml
Spiked Amount 50.000		Recovery =	39.33%
Target Compounds			
1) T n-Nonane (C9)	2.747	2441477	21.205 ug/ml
2) T n-Decane (C10)	3.758	2514336	21.316 ug/ml
3) T A~Naphthalene (C11.7)	5.324	2829652	21.588 ug/ml
4) T n-Dodecane (C12)	5.749	2572823	21.451 ug/ml
5) T A~2-methylnaphthalene...	6.375	2712360	21.486 ug/ml
6) T n-Tetradecane (C14)	7.542	2592925	21.353 ug/ml
7) T n-Hexadecane (C16)	9.145	2741715	21.117 ug/ml
8) T n-Octadecane (C18)	10.588	2818831	20.709 ug/ml
10) T n-Eicosane (C20)	11.899	2718231	20.142 ug/ml
11) T n-Heneicosane (C21)	12.512	2660969	19.797 ug/ml
13) T n-Docosane (C22)	13.099	2625828	19.432 ug/ml
14) T n-Tetracosane (C24)	14.203	2562611	18.829 ug/ml
15) T n-Hexacosane (C26)	15.226	2492693	18.633 ug/ml
16) T n-Octacosane (C28)	16.177	2451753	18.780 ug/ml
17) T n-Tricontane (C30)	17.067	2523443	19.133 ug/ml
18) T n-Dotriacontane (C32)	17.900	2512671	19.558 ug/ml
19) T n-Tetratriacontane (C34)	18.685	2468518	20.147 ug/ml
20) T n-Hexatriacontane (C36)	19.426	2387829	20.526 ug/mlm
21) T n-Octatriacontane (C38)	20.166	2343631	20.859 ug/ml
22) T n-Tetracontane (C40)	21.082	2332341	21.647 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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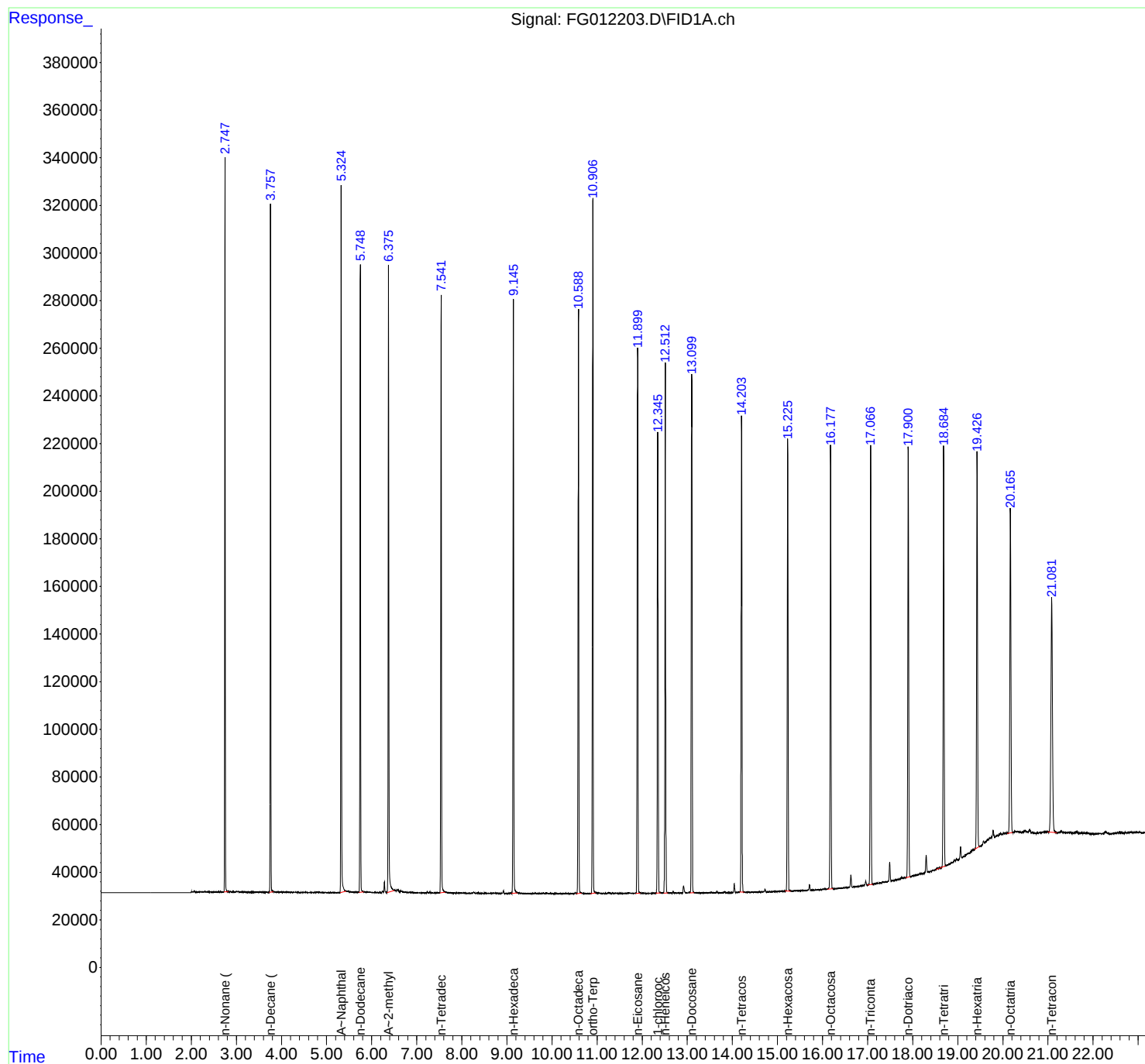
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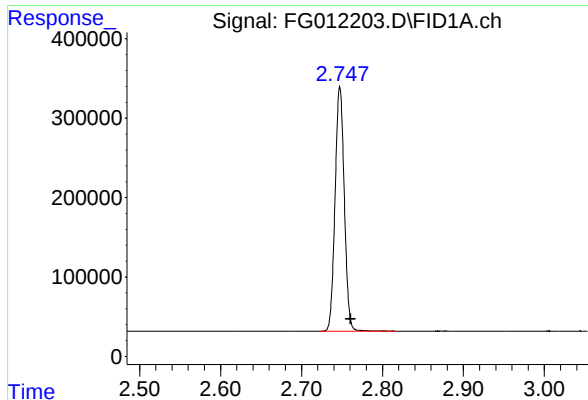
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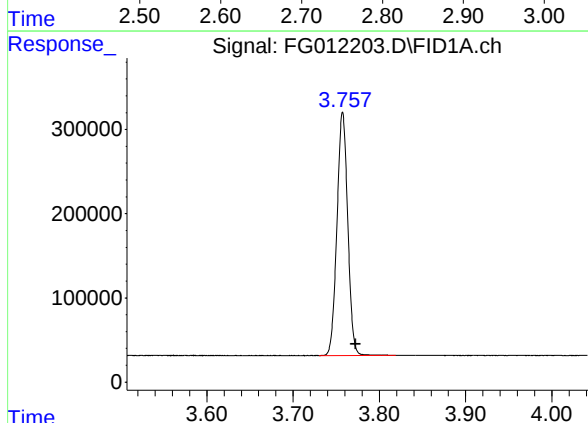
#1 n-Nonane (C9)

R.T.: 2.747 min
Delta R.T.: -0.014 min
Response: 2441477
Conc: 21.21 ug/ml

Instrument : FID_G
ClientSampleId : 20 PPM ALIPHATIC HC STD

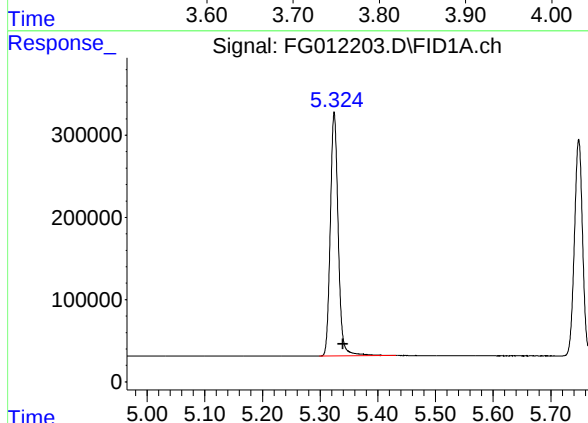
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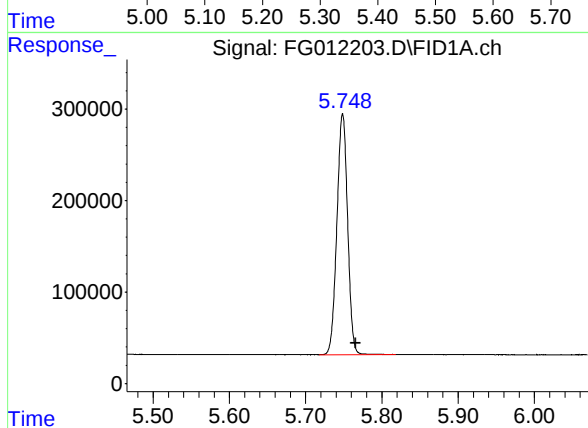
#2 n-Decane (C10)

R.T.: 3.758 min
Delta R.T.: -0.015 min
Response: 2514336
Conc: 21.32 ug/ml



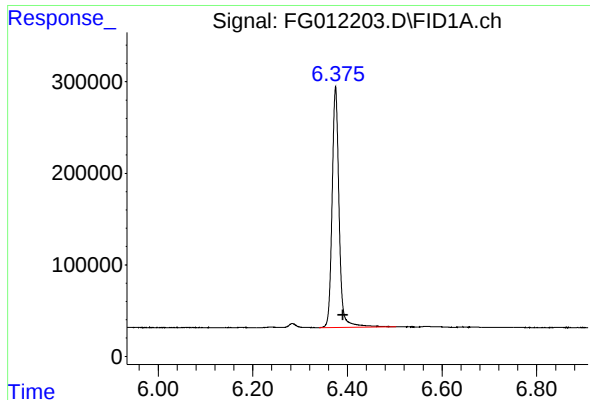
#3 A~Naphthalene (C11.7)

R.T.: 5.324 min
Delta R.T.: -0.016 min
Response: 2829652
Conc: 21.59 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.749 min
Delta R.T.: -0.017 min
Response: 2572823
Conc: 21.45 ug/ml



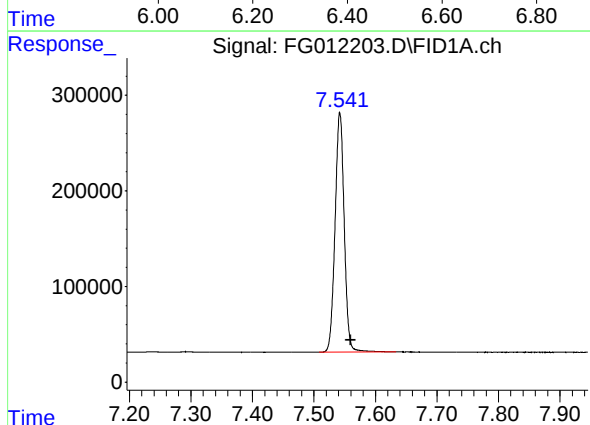
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.375 min
Delta R.T.: -0.016 min
Response: 2712360
Conc: 21.49 ug/ml

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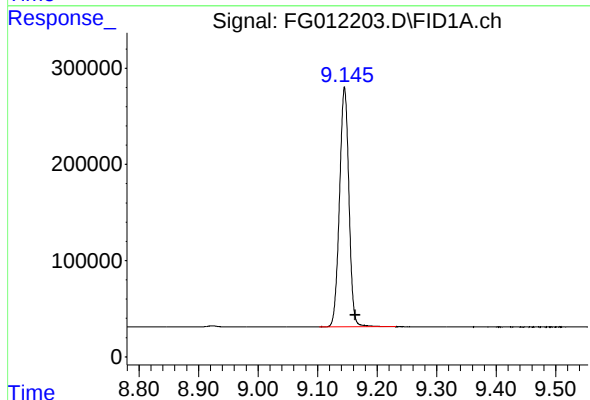
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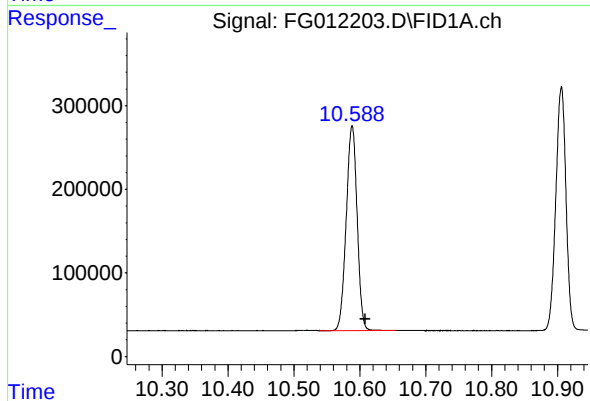
#6 n-Tetradecane (C14)

R.T.: 7.542 min
Delta R.T.: -0.018 min
Response: 2592925
Conc: 21.35 ug/ml



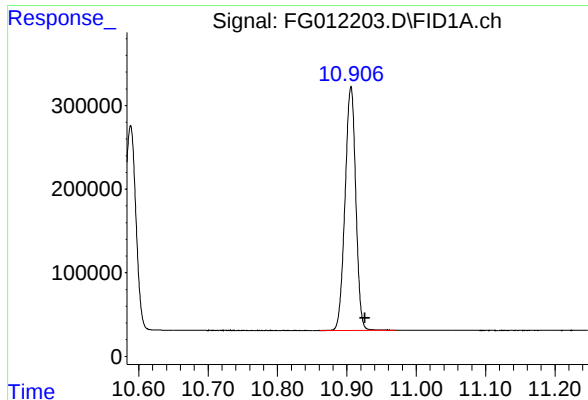
#7 n-Hexadecane (C16)

R.T.: 9.145 min
Delta R.T.: -0.018 min
Response: 2741715
Conc: 21.12 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.588 min
Delta R.T.: -0.020 min
Response: 2818831
Conc: 20.71 ug/ml



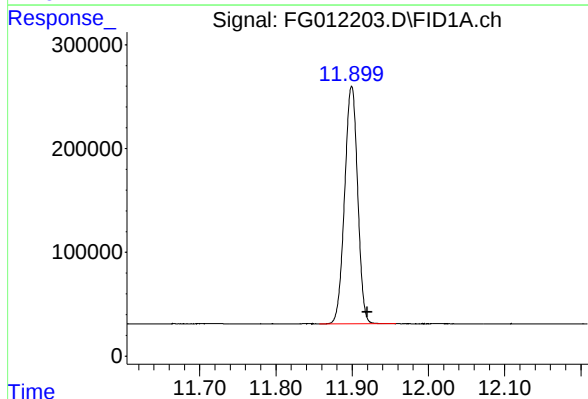
#9 ortho-Terphenyl (SURR)

R.T.: 10.906 min
Delta R.T.: -0.020 min
Response: 3136652
Conc: 20.04 ug/ml

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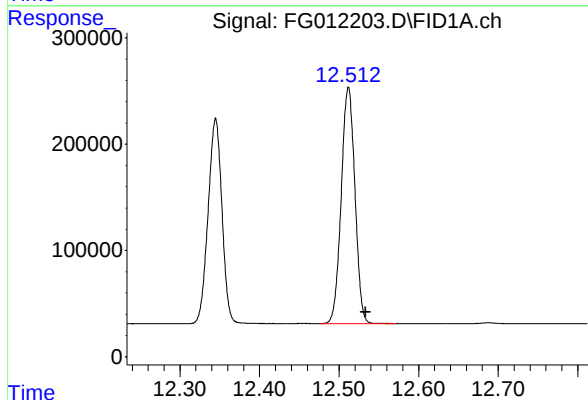
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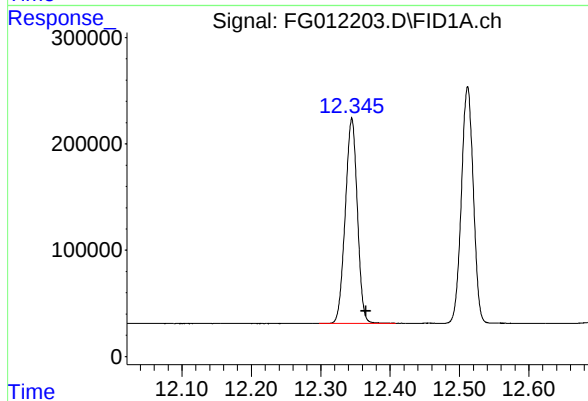
#10 n-Eicosane (C20)

R.T.: 11.899 min
Delta R.T.: -0.021 min
Response: 2718231
Conc: 20.14 ug/ml



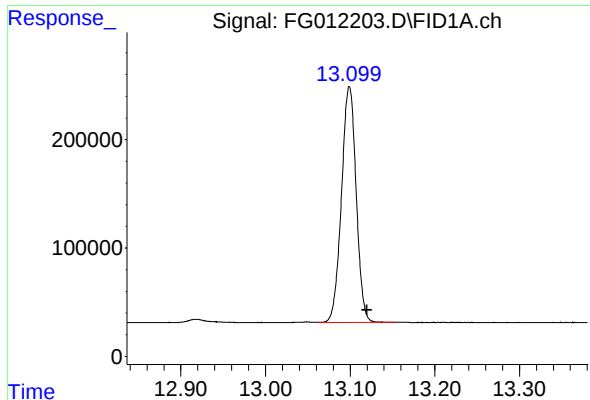
#11 n-Heneicosane (C21)

R.T.: 12.512 min
Delta R.T.: -0.021 min
Response: 2660969
Conc: 19.80 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.345 min
Delta R.T.: -0.020 min
Response: 2331620
Conc: 19.66 ug/ml



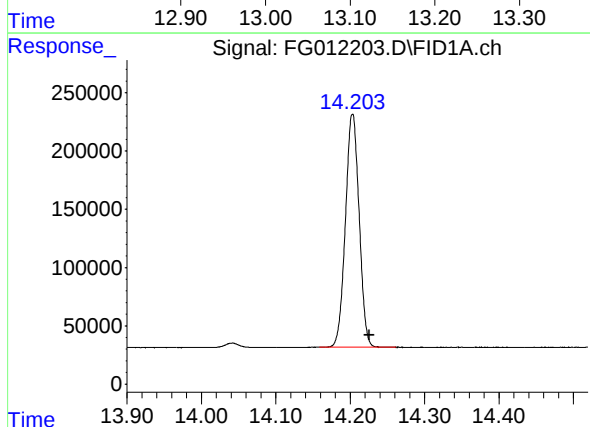
#13 n-Docosane (C22)

R.T.: 13.099 min
Delta R.T.: -0.021 min
Response: 2625828
Conc: 19.43 ug/ml

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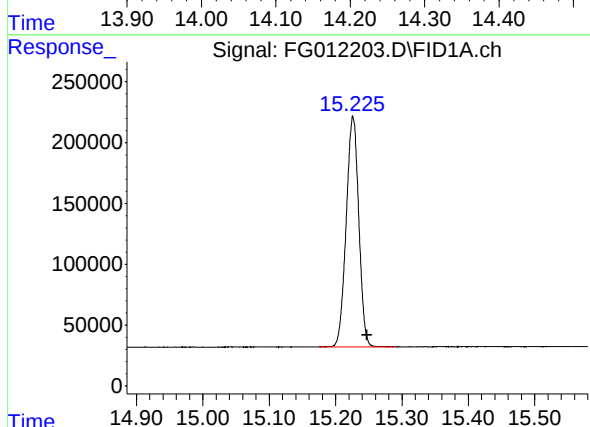
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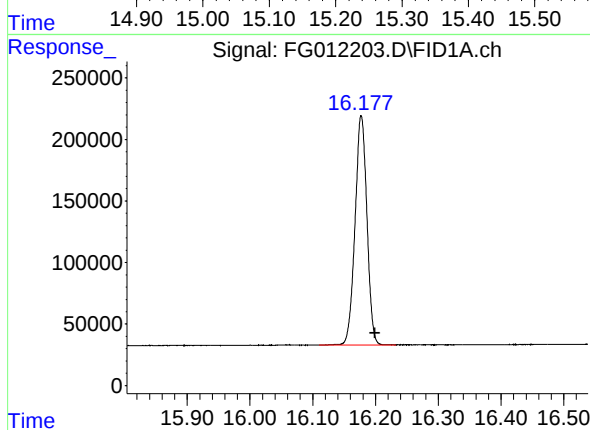
#14 n-Tetracosane (C24)

R.T.: 14.203 min
Delta R.T.: -0.023 min
Response: 2562611
Conc: 18.83 ug/ml



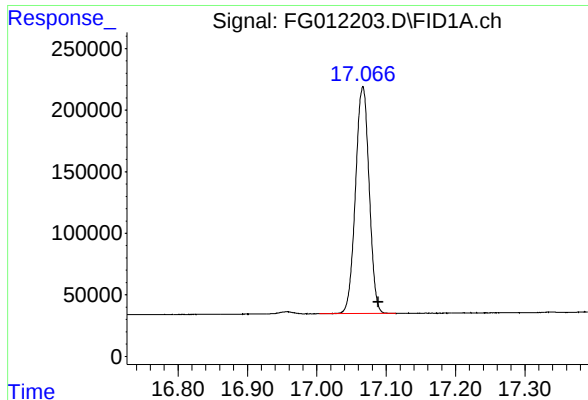
#15 n-Hexacosane (C26)

R.T.: 15.226 min
Delta R.T.: -0.021 min
Response: 2492693
Conc: 18.63 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.177 min
Delta R.T.: -0.022 min
Response: 2451753
Conc: 18.78 ug/ml



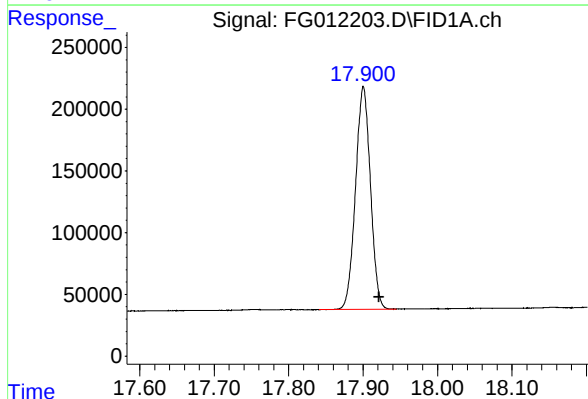
#17 n-Tricontane (C30)

R.T.: 17.067 min
Delta R.T.: -0.022 min
Response: 2523443
Conc: 19.13 ug/ml

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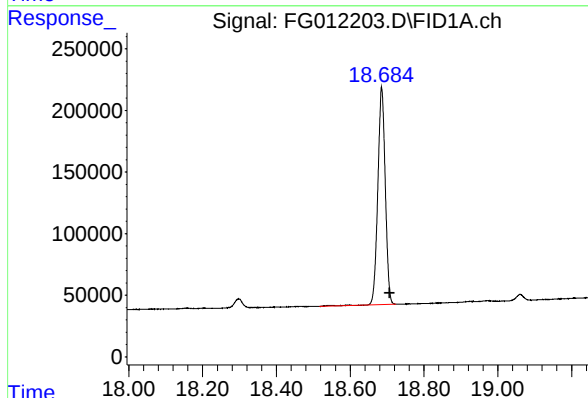
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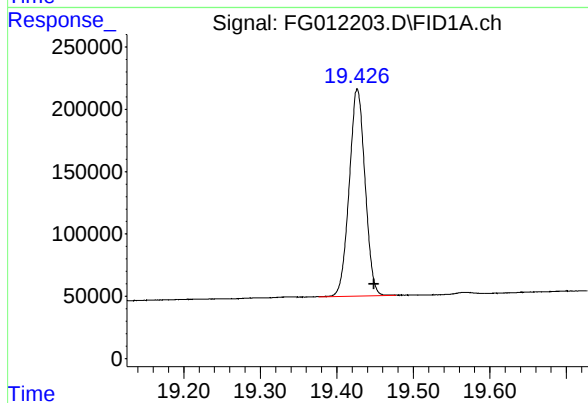
#18 n-Dotriacontane (C32)

R.T.: 17.900 min
Delta R.T.: -0.021 min
Response: 2512671
Conc: 19.56 ug/ml



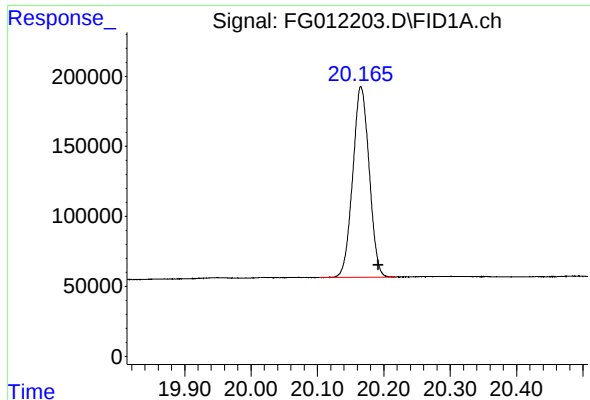
#19 n-Tetratriacontane (C34)

R.T.: 18.685 min
Delta R.T.: -0.022 min
Response: 2468518
Conc: 20.15 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.426 min
Delta R.T.: -0.022 min
Response: 2387829
Conc: 20.53 ug/ml m



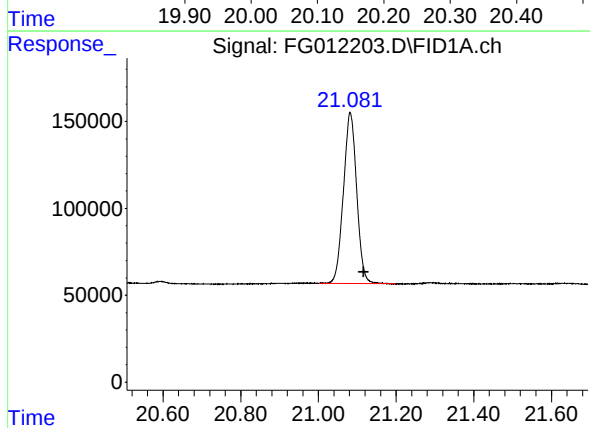
#21 n-Octatriacontane (C38)

R.T.: 20.166 min
Delta R.T.: -0.026 min
Response: 2343631
Conc: 20.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.082 min
Delta R.T.: -0.035 min
Response: 2332341
Conc: 21.65 ug/ml