

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091125AL\
 Data File : FG016604.D
 Signal(s) : FID1A.ch
 Acq On : 11 Sep 2025 20:31
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/12/2025
 Supervised By :mohammad ahmed 09/15/2025

Integration File: autoint1.e
 Quant Time: Sep 12 02:47:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 28 12:01:28 2025
 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)	12.066	2542807	19.207 ug/ml
Spiked Amount 50.000		Recovery =	38.41%
12) S 1-chlorooctadecane (S...	13.511	1922923	19.103 ug/ml
Spiked Amount 50.000		Recovery =	38.21%
Target Compounds			
1) T n-Nonane (C9)	3.384	2276661	20.124 ug/ml
2) T n-Decane (C10)	4.646	2325412	20.202 ug/ml
3) T A~Naphthalene (C11.7)	6.366	2460401	19.814 ug/ml
4) T n-Dodecane (C12)	6.828	2336264	20.139 ug/ml
5) T A~2-methylnaphthalene...	7.470	2331482	19.546 ug/ml
6) T n-Tetradecane (C14)	8.669	2301417	19.946 ug/ml
7) T n-Hexadecane (C16)	10.288	2352301	19.707 ug/ml
8) T n-Octadecane (C18)	11.742	2354964	19.491 ug/ml
10) T n-Eicosane (C20)	13.061	2249229	19.281 ug/ml
11) T n-Heneicosane (C21)	13.678	2188804	19.043 ug/ml
13) T n-Docosane (C22)	14.269	2187575	19.146 ug/ml
14) T n-Tetracosane (C24)	15.381	2231810	19.621 ug/ml
15) T n-Hexacosane (C26)	16.408	2181766	19.649 ug/ml
16) T n-Octacosane (C28)	17.366	2138034	19.777 ug/mlm
17) T n-Tricontane (C30)	18.260	2246429	20.568 ug/mlm
18) T n-Dotriacontane (C32)	19.097	2200074	20.926 ug/mlm
19) T n-Tetratriacontane (C34)	19.886	2073126	21.588 ug/mlm
20) T n-Hexatriacontane (C36)	20.630	1983421	23.718 ug/ml
21) T n-Octatriacontane (C38)	21.412	1625206	21.107 ug/mlm
22) T n-Tetracontane (C40)	22.407	1543819	20.780 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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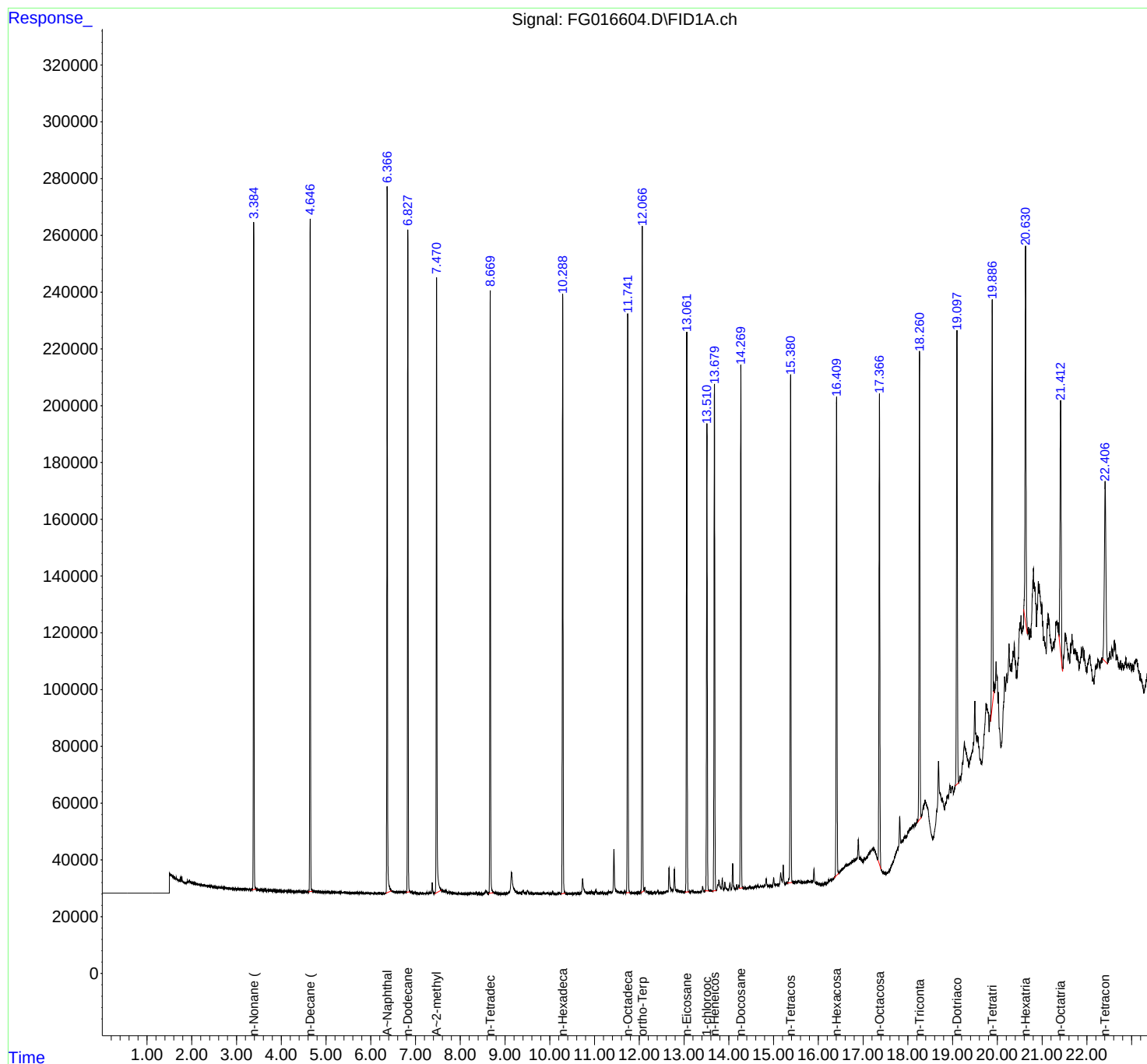
Instrument :
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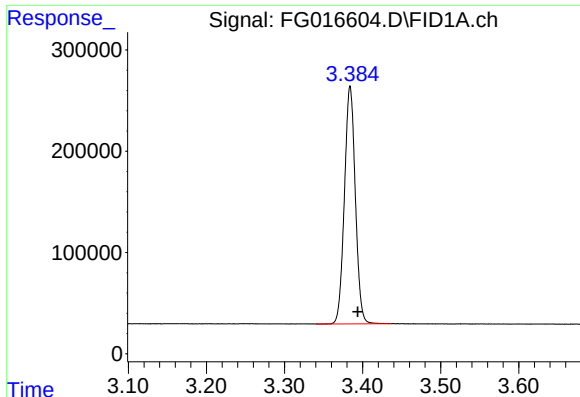
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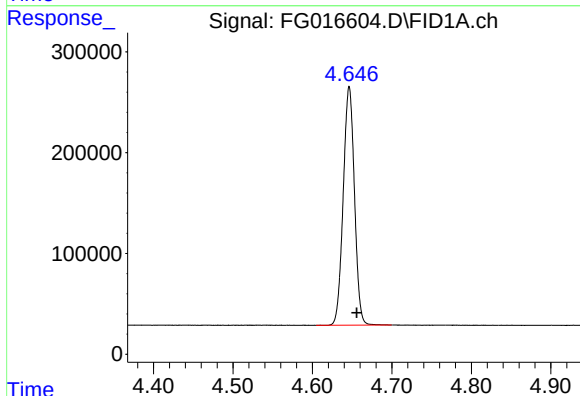
#1 n-Nonane (C9)

R.T.: 3.384 min
Delta R.T.: -0.010 min
Response: 2276661
Conc: 20.12 ug/ml

Instrument :
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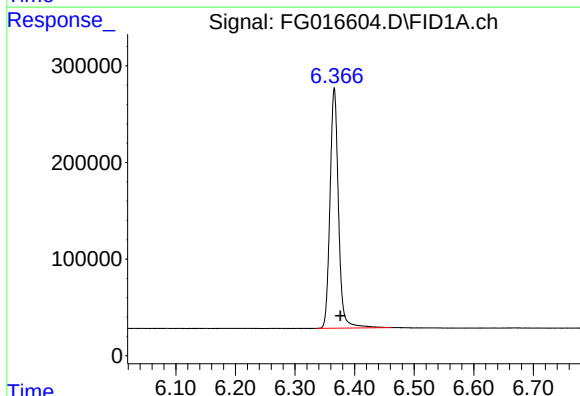
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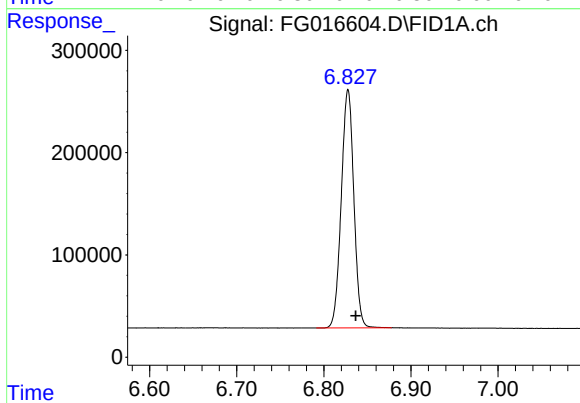
#2 n-Decane (C10)

R.T.: 4.646 min
Delta R.T.: -0.009 min
Response: 2325412
Conc: 20.20 ug/ml



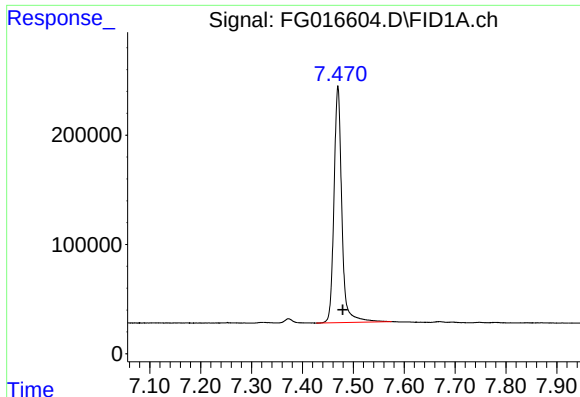
#3 A~Naphthalene (C11.7)

R.T.: 6.366 min
Delta R.T.: -0.010 min
Response: 2460401
Conc: 19.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.828 min
Delta R.T.: -0.009 min
Response: 2336264
Conc: 20.14 ug/ml



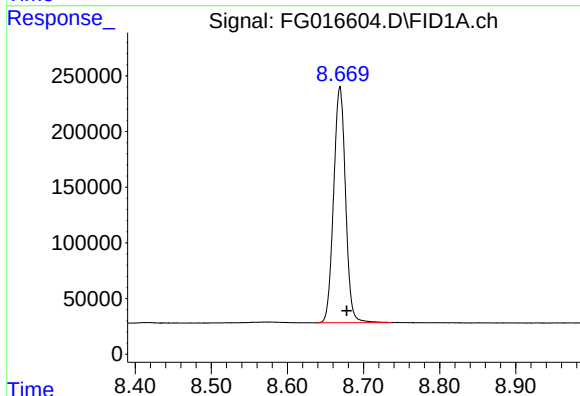
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.470 min
Delta R.T.: -0.009 min
Response: 2331482
Conc: 19.55 ug/ml

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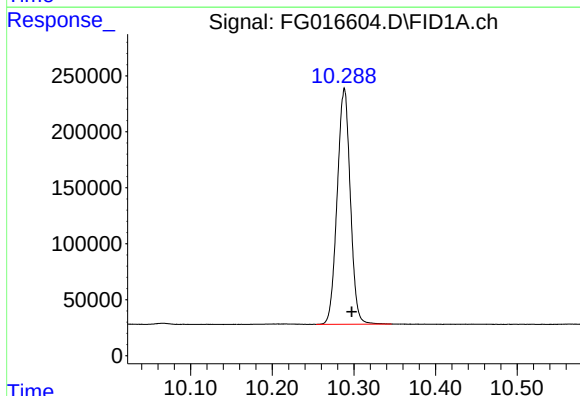
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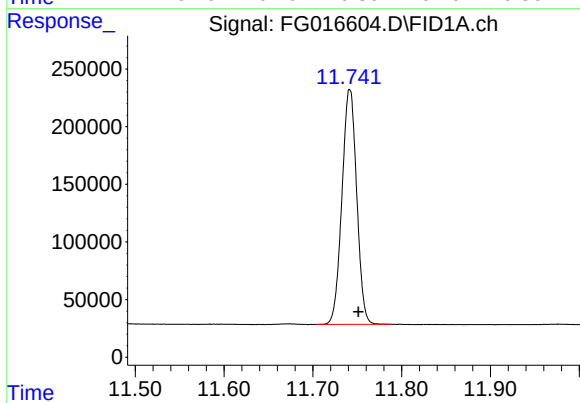
#6 n-Tetradecane (C14)

R.T.: 8.669 min
Delta R.T.: -0.009 min
Response: 2301417
Conc: 19.95 ug/ml



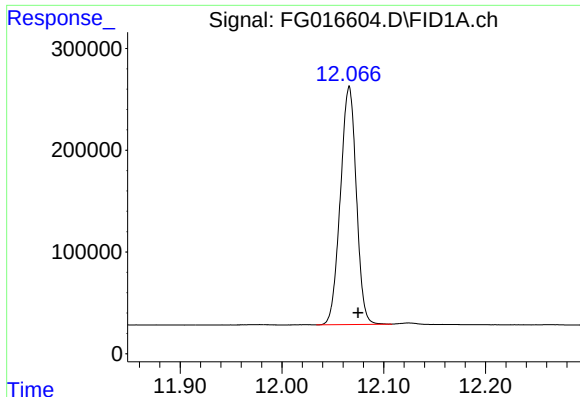
#7 n-Hexadecane (C16)

R.T.: 10.288 min
Delta R.T.: -0.009 min
Response: 2352301
Conc: 19.71 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.742 min
Delta R.T.: -0.010 min
Response: 2354964
Conc: 19.49 ug/ml



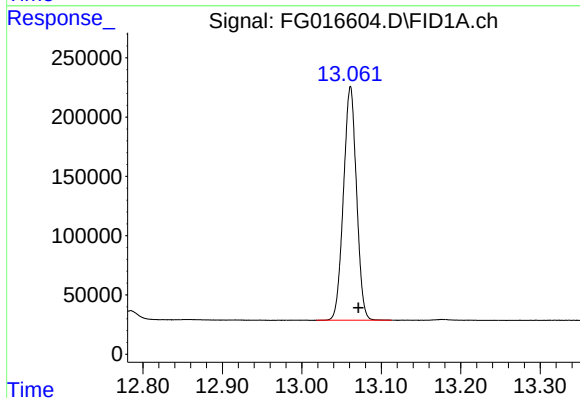
#9 ortho-Terphenyl (SURR)

R.T.: 12.066 min
Delta R.T.: -0.009 min
Response: 2542807
Conc: 19.21 ug/ml

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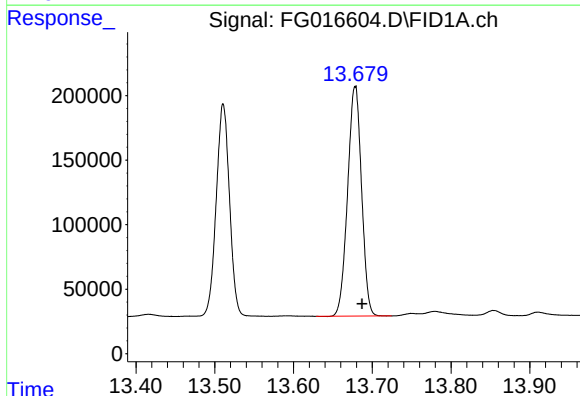
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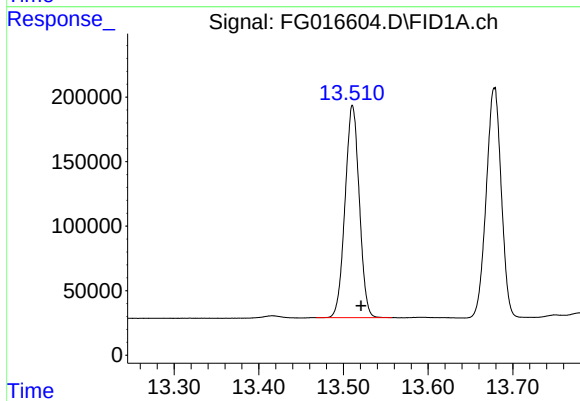
#10 n-Eicosane (C20)

R.T.: 13.061 min
Delta R.T.: -0.010 min
Response: 2249229
Conc: 19.28 ug/ml



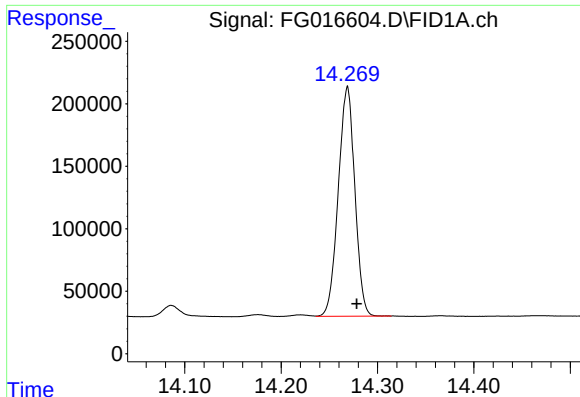
#11 n-Heneicosane (C21)

R.T.: 13.678 min
Delta R.T.: -0.009 min
Response: 2188804
Conc: 19.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.511 min
Delta R.T.: -0.010 min
Response: 1922923
Conc: 19.10 ug/ml



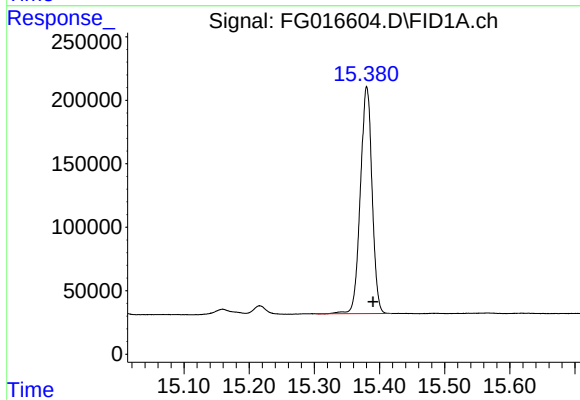
#13 n-Docosane (C22)

R.T.: 14.269 min
Delta R.T.: -0.010 min
Response: 2187575
Conc: 19.15 ug/ml

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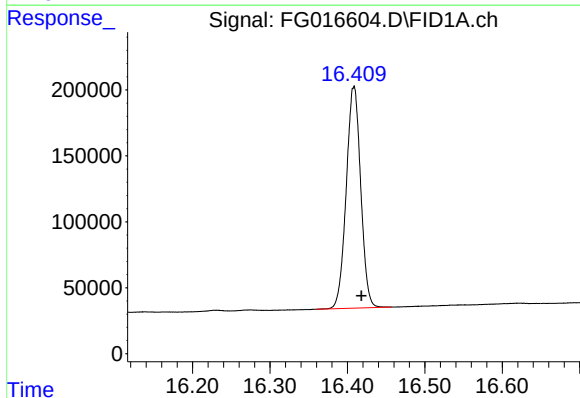
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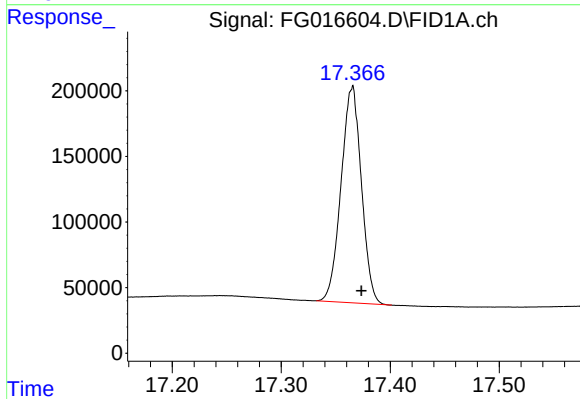
#14 n-Tetracosane (C24)

R.T.: 15.381 min
Delta R.T.: -0.009 min
Response: 2231810
Conc: 19.62 ug/ml



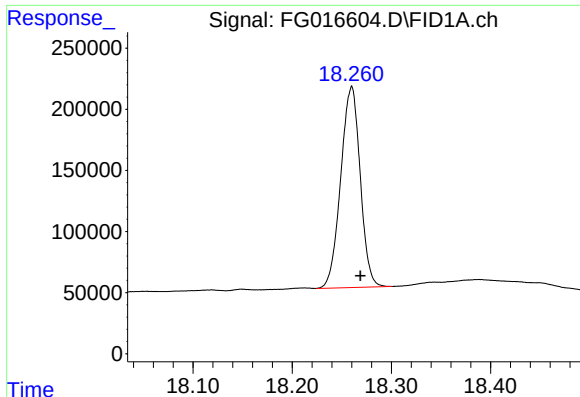
#15 n-Hexacosane (C26)

R.T.: 16.408 min
Delta R.T.: -0.010 min
Response: 2181766
Conc: 19.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.366 min
Delta R.T.: -0.008 min
Response: 2138034
Conc: 19.78 ug/ml m



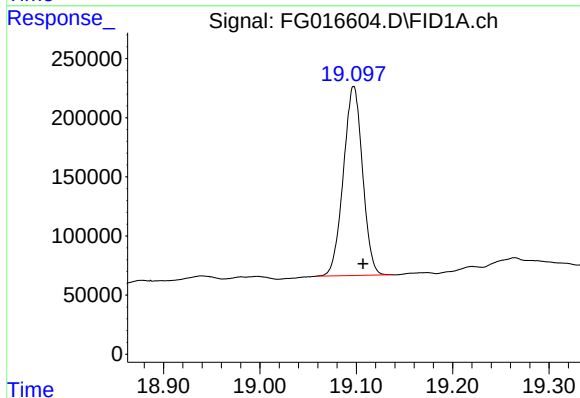
#17 n-Tricontane (C30)

R.T.: 18.260 min
Delta R.T.: -0.009 min
Response: 2246429
Conc: 20.57 ug/ml

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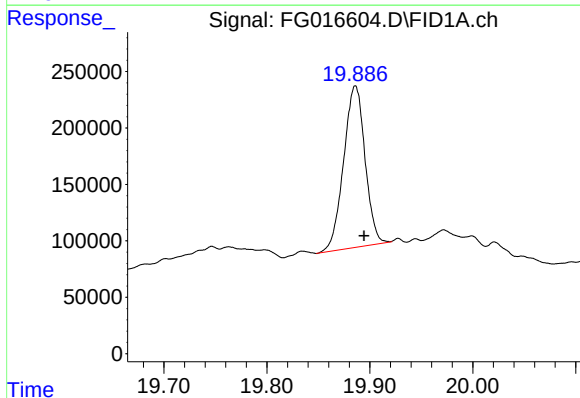
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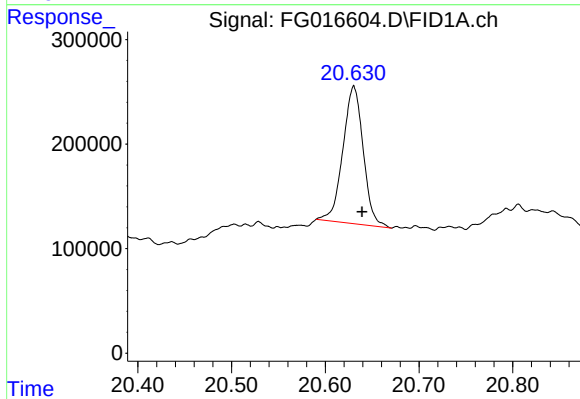
#18 n-Dotriacontane (C32)

R.T.: 19.097 min
Delta R.T.: -0.010 min
Response: 2200074
Conc: 20.93 ug/ml m



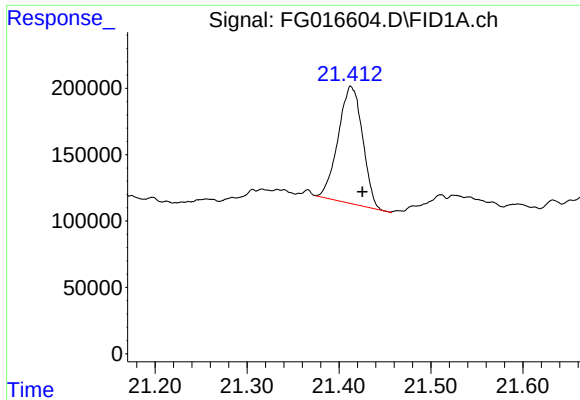
#19 n-Tetratriacontane (C34)

R.T.: 19.886 min
Delta R.T.: -0.008 min
Response: 2073126
Conc: 21.59 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.630 min
Delta R.T.: -0.009 min
Response: 1983421
Conc: 23.72 ug/ml



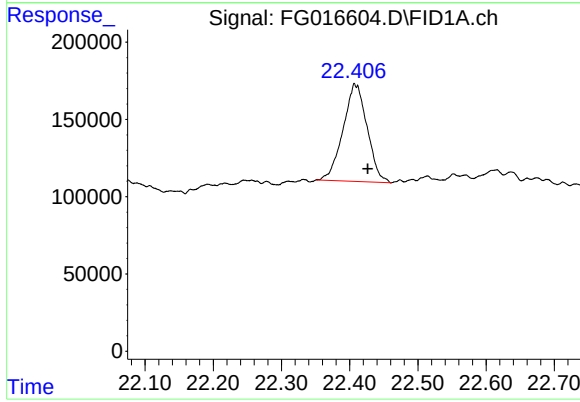
#21 n-Octatriacontane (C38)

R.T.: 21.412 min
Delta R.T.: -0.013 min
Response: 1625206
Conc: 21.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.407 min
Delta R.T.: -0.019 min
Response: 1543819
Conc: 20.78 ug/ml