

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092525AL\
 Data File : FG016658.D
 Signal(s) : FID1A.ch
 Acq On : 26 Sep 2025 08:42
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/29/2025
 Supervised By :mohammad ahmed 09/30/2025

Integration File: autoint1.e
 Quant Time: Sep 26 23:59:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 16:20:58 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)	12.062	2421491	16.977 ug/ml
Spiked Amount 50.000		Recovery =	33.95%
12) S 1-chlorooctadecane (S...	13.509	1858136	16.462 ug/ml
Spiked Amount 50.000		Recovery =	32.92%
Target Compounds			
1) T n-Nonane (C9)	3.381	2014067	17.748 ug/ml
2) T n-Decane (C10)	4.643	2074802	17.940 ug/ml
3) T A~Naphthalene (C11.7)	6.362	2190698	17.768 ug/ml
4) T n-Dodecane (C12)	6.825	2115473	18.023 ug/ml
5) T A~2-methylnaphthalene...	7.466	2050353	17.725 ug/ml
6) T n-Tetradecane (C14)	8.665	2100252	17.902 ug/ml
7) T n-Hexadecane (C16)	10.285	2177937	17.578 ug/ml
8) T n-Octadecane (C18)	11.739	2232218	17.147 ug/ml
10) T n-Eicosane (C20)	13.058	2162454	16.727 ug/ml
11) T n-Heneicosane (C21)	13.676	2122601	16.529 ug/ml
13) T n-Docosane (C22)	14.267	2102965	16.309 ug/ml
14) T n-Tetracosane (C24)	15.378	2062758	15.816 ug/ml
15) T n-Hexacosane (C26)	16.406	1992603	15.436 ug/ml
16) T n-Octacosane (C28)	17.364	1964793	15.483 ug/ml
17) T n-Tricontane (C30)	18.257	2061102	16.108 ug/ml
18) T n-Dotriacontane (C32)	19.095	2014056	16.445 ug/ml
19) T n-Tetratriacontane (C34)	19.884	1778585	16.372 ug/mlm
20) T n-Hexatriacontane (C36)	20.625	1491820	16.417 ug/mlm
21) T n-Octatriacontane (C38)	21.410	1442072	17.707 ug/mlm
22) T n-Tetracontane (C40)	22.407	1308870	16.967 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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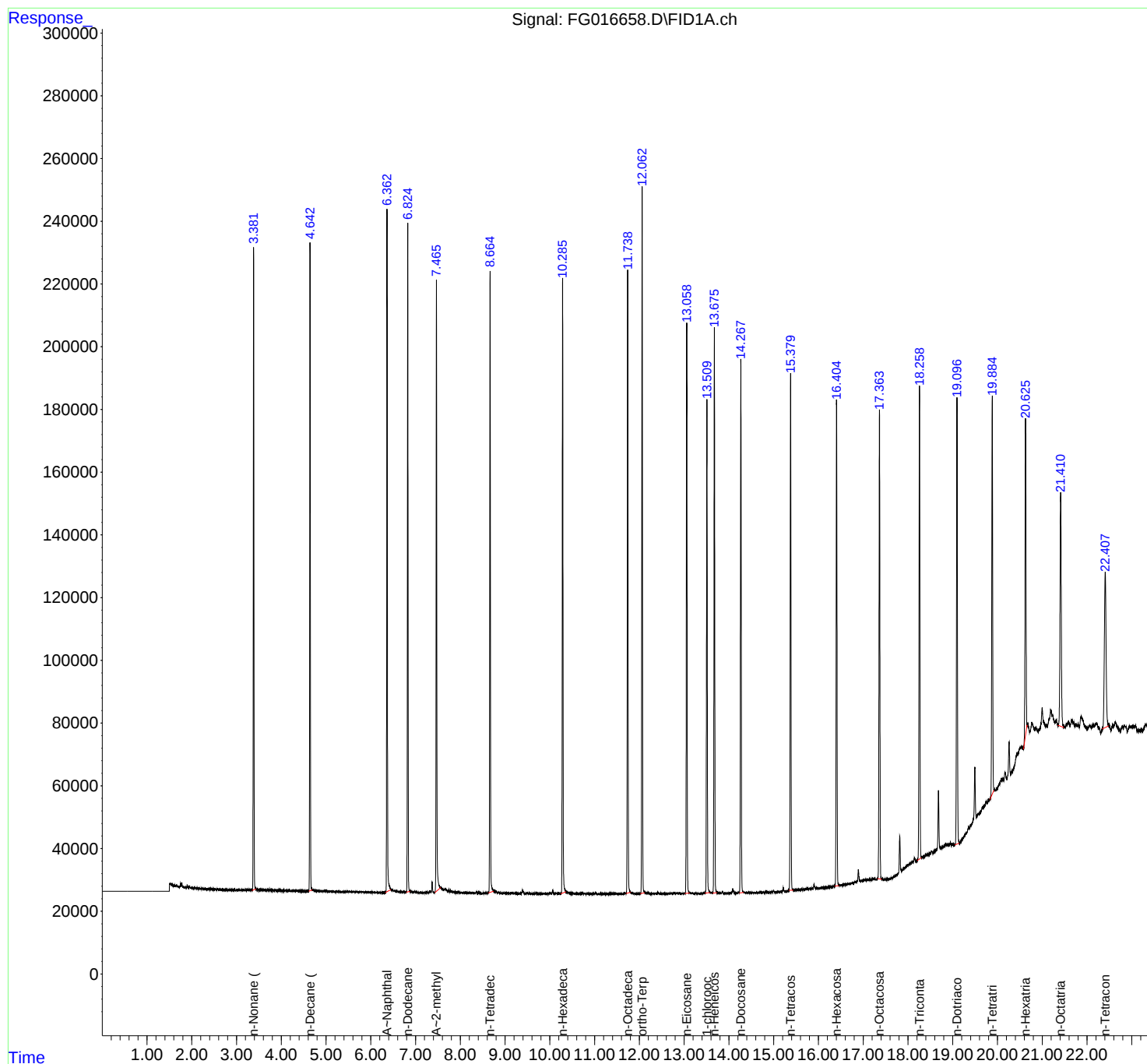
Instrument :
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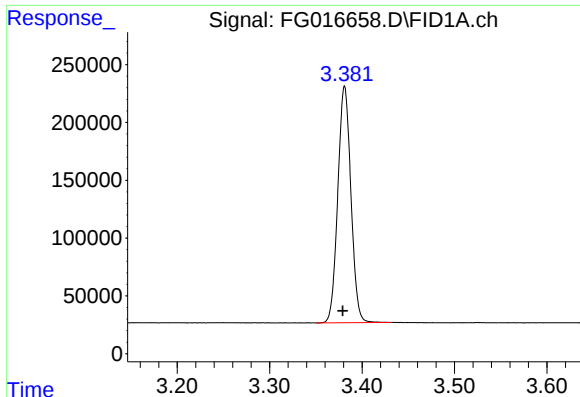
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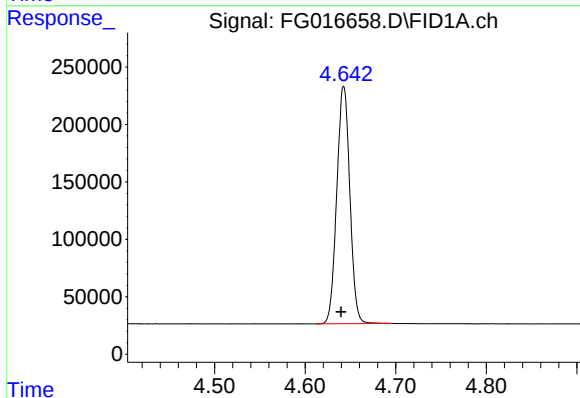
#1 n-Nonane (C9)

R.T.: 3.381 min
Delta R.T.: 0.002 min
Response: 2014067
Conc: 17.75 ug/ml

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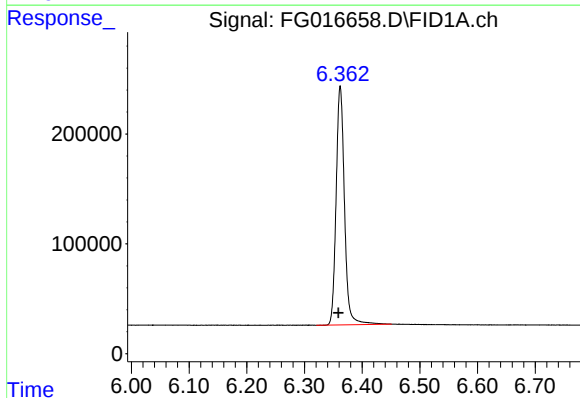
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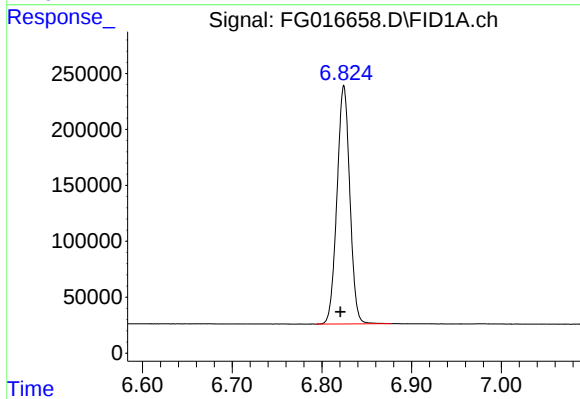
#2 n-Decane (C10)

R.T.: 4.643 min
Delta R.T.: 0.003 min
Response: 2074802
Conc: 17.94 ug/ml



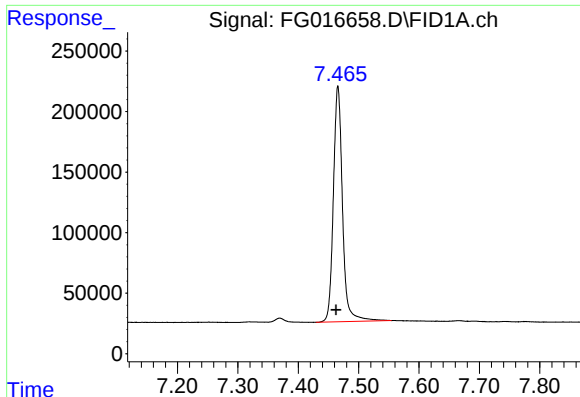
#3 A~Naphthalene (C11.7)

R.T.: 6.362 min
Delta R.T.: 0.003 min
Response: 2190698
Conc: 17.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.825 min
Delta R.T.: 0.004 min
Response: 2115473
Conc: 18.02 ug/ml



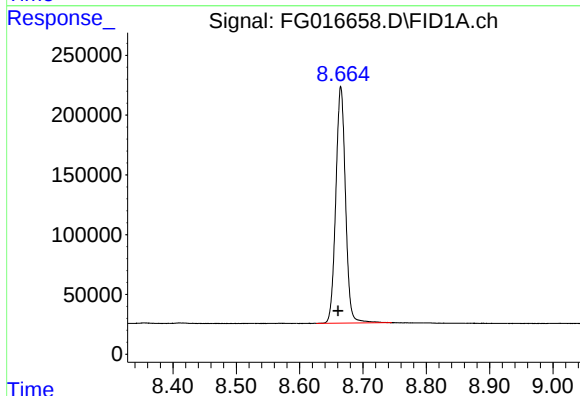
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.466 min
Delta R.T.: 0.003 min
Response: 2050353
Conc: 17.73 ug/ml

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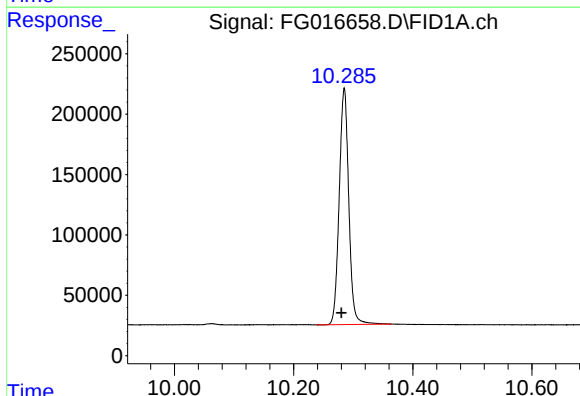
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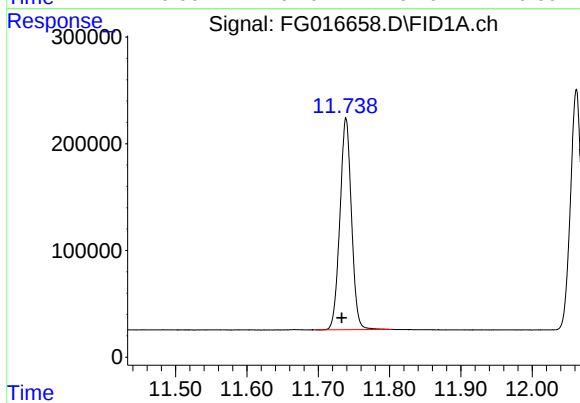
#6 n-Tetradecane (C14)

R.T.: 8.665 min
Delta R.T.: 0.004 min
Response: 2100252
Conc: 17.90 ug/ml



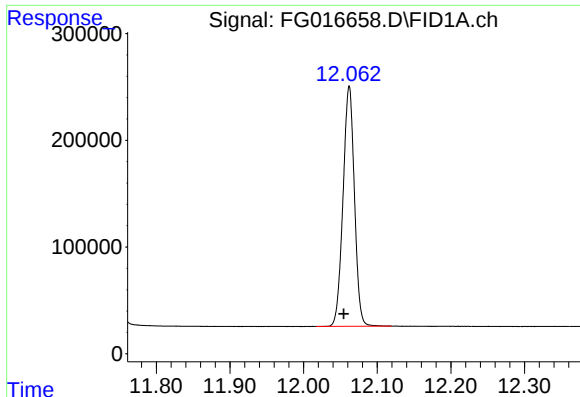
#7 n-Hexadecane (C16)

R.T.: 10.285 min
Delta R.T.: 0.005 min
Response: 2177937
Conc: 17.58 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.739 min
Delta R.T.: 0.006 min
Response: 2232218
Conc: 17.15 ug/ml



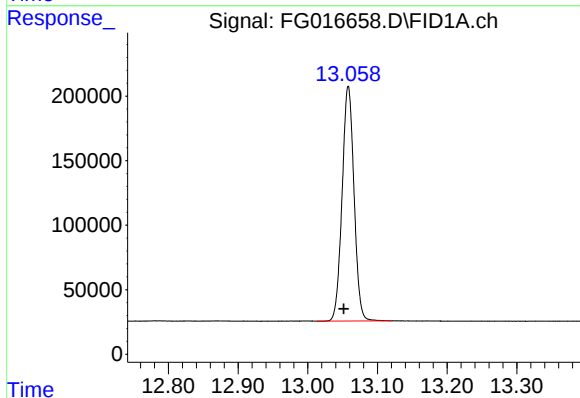
#9 ortho-Terphenyl (SURR)

R.T.: 12.062 min
Delta R.T.: 0.007 min
Response: 2421491
Conc: 16.98 ug/ml

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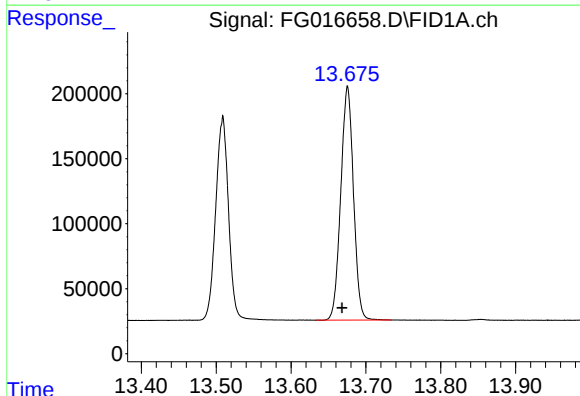
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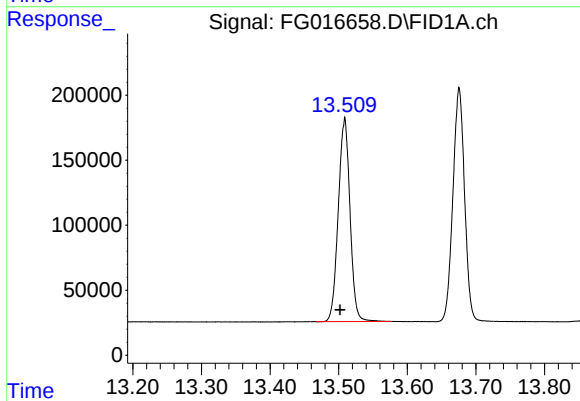
#10 n-Eicosane (C20)

R.T.: 13.058 min
Delta R.T.: 0.007 min
Response: 2162454
Conc: 16.73 ug/ml



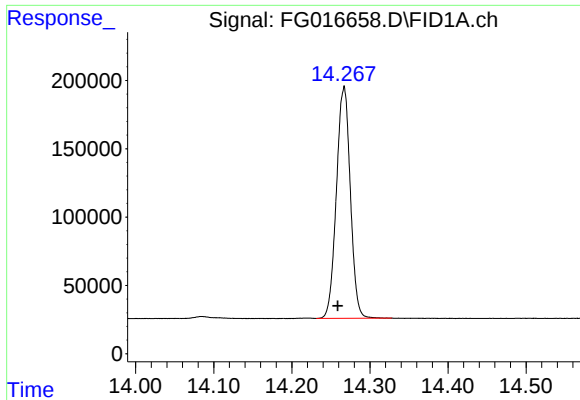
#11 n-Heneicosane (C21)

R.T.: 13.676 min
Delta R.T.: 0.007 min
Response: 2122601
Conc: 16.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.509 min
Delta R.T.: 0.007 min
Response: 1858136
Conc: 16.46 ug/ml



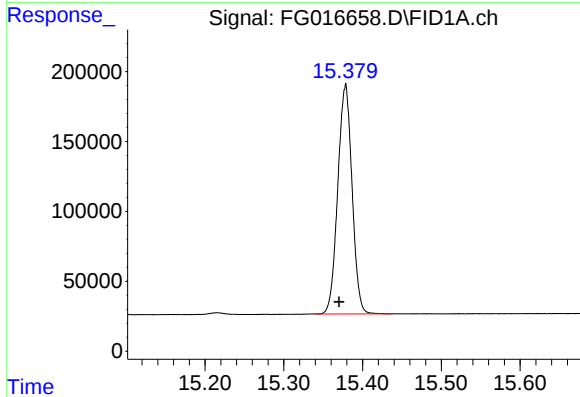
#13 n-Docosane (C22)

R.T.: 14.267 min
Delta R.T.: 0.008 min
Response: 2102965
Conc: 16.31 ug/ml

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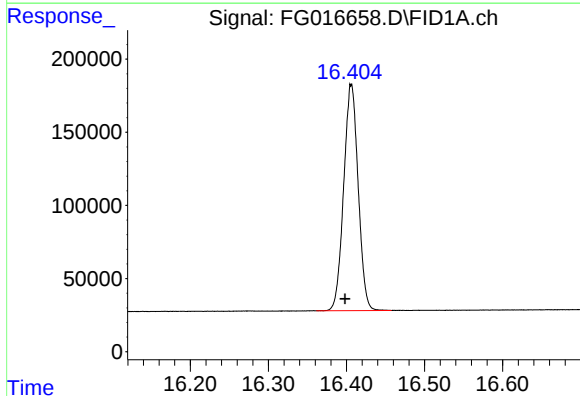
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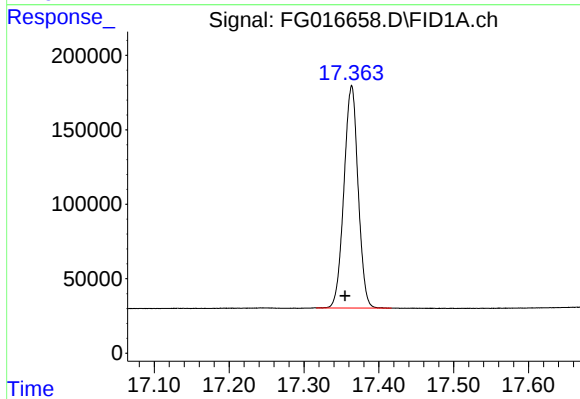
#14 n-Tetracosane (C24)

R.T.: 15.378 min
Delta R.T.: 0.008 min
Response: 2062758
Conc: 15.82 ug/ml



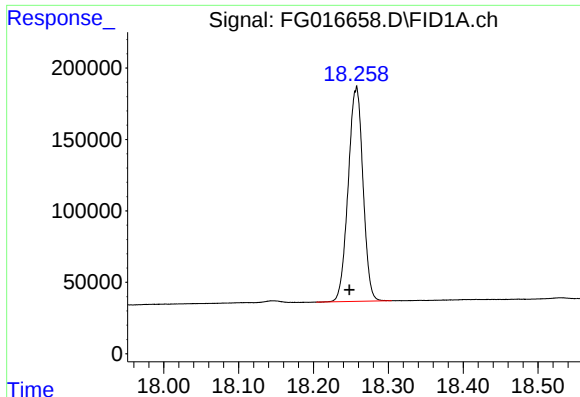
#15 n-Hexacosane (C26)

R.T.: 16.406 min
Delta R.T.: 0.008 min
Response: 1992603
Conc: 15.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.364 min
Delta R.T.: 0.009 min
Response: 1964793
Conc: 15.48 ug/ml



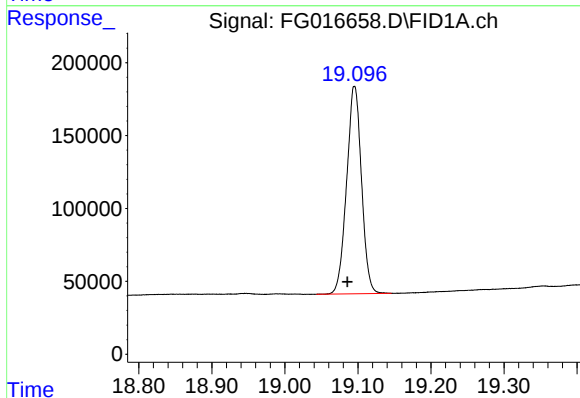
#17 n-Tricontane (C30)

R.T.: 18.257 min
Delta R.T.: 0.010 min
Response: 2061102
Conc: 16.11 ug/ml

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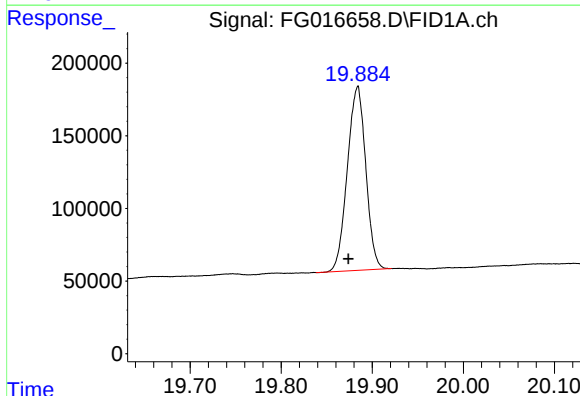
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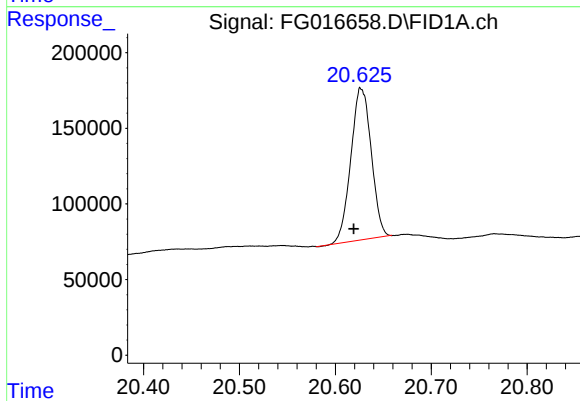
#18 n-Dotriacontane (C32)

R.T.: 19.095 min
Delta R.T.: 0.010 min
Response: 2014056
Conc: 16.45 ug/ml



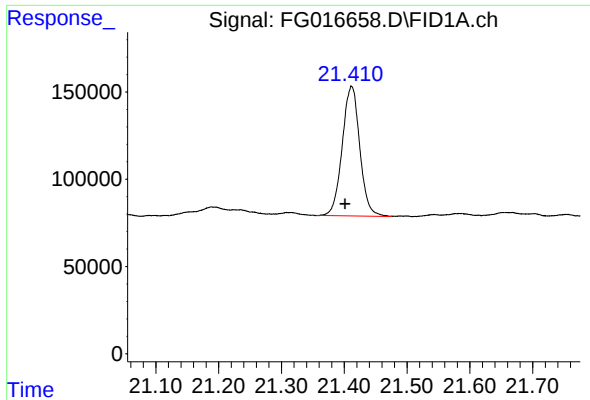
#19 n-Tetratriacontane (C34)

R.T.: 19.884 min
Delta R.T.: 0.011 min
Response: 1778585
Conc: 16.37 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.625 min
Delta R.T.: 0.006 min
Response: 1491820
Conc: 16.42 ug/ml m



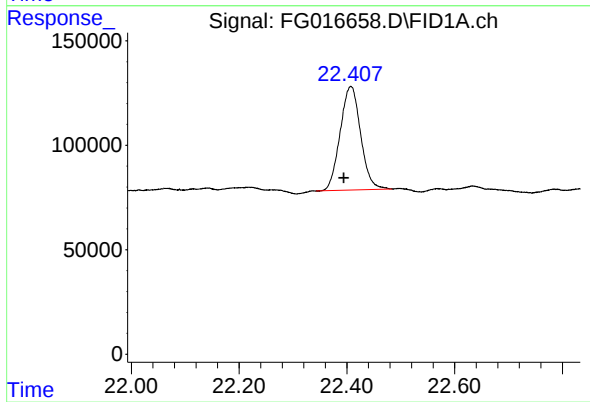
#21 n-Octatriacontane (C38)

R.T.: 21.410 min
Delta R.T.: 0.009 min
Response: 1442072
Conc: 17.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.407 min
Delta R.T.: 0.013 min
Response: 1308870
Conc: 16.97 ug/ml m