

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092525AL\
 Data File : FG016663.D
 Signal(s) : FID1A.ch
 Acq On : 26 Sep 2025 11:10
 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 27 00:02:10 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)	12.060	2400352	16.829 ug/ml
Spiked Amount 50.000		Recovery =	33.66%
12) S 1-chlorooctadecane (S...	13.506	1842088	16.320 ug/ml
Spiked Amount 50.000		Recovery =	32.64%
Target Compounds			
1) T n-Nonane (C9)	3.381	2011686	17.727 ug/ml
2) T n-Decane (C10)	4.642	2074149	17.934 ug/ml
3) T A~Naphthalene (C11.7)	6.361	2176161	17.650 ug/ml
4) T n-Dodecane (C12)	6.824	2099776	17.889 ug/ml
5) T A~2-methylnaphthalene...	7.465	2031759	17.564 ug/ml
6) T n-Tetradecane (C14)	8.664	2081922	17.745 ug/ml
7) T n-Hexadecane (C16)	10.283	2158567	17.421 ug/ml
8) T n-Octadecane (C18)	11.737	2217722	17.036 ug/ml
10) T n-Eicosane (C20)	13.057	2142034	16.570 ug/ml
11) T n-Heneicosane (C21)	13.673	2102816	16.375 ug/ml
13) T n-Docosane (C22)	14.265	2079058	16.124 ug/ml
14) T n-Tetracosane (C24)	15.377	2044826	15.678 ug/ml
15) T n-Hexacosane (C26)	16.405	1972071	15.277 ug/ml
16) T n-Octacosane (C28)	17.362	1916184	15.099 ug/ml
17) T n-Tricontane (C30)	18.255	1976946	15.450 ug/ml
18) T n-Dotriacontane (C32)	19.093	1963678	16.034 ug/ml
19) T n-Tetratriacontane (C34)	19.882	1795135	16.524 ug/mlm
20) T n-Hexatriacontane (C36)	20.627	1522728	16.757 ug/mlm
21) T n-Octatriacontane (C38)	21.409	1411187	17.328 ug/ml
22) T n-Tetracontane (C40)	22.404	1326795	17.200 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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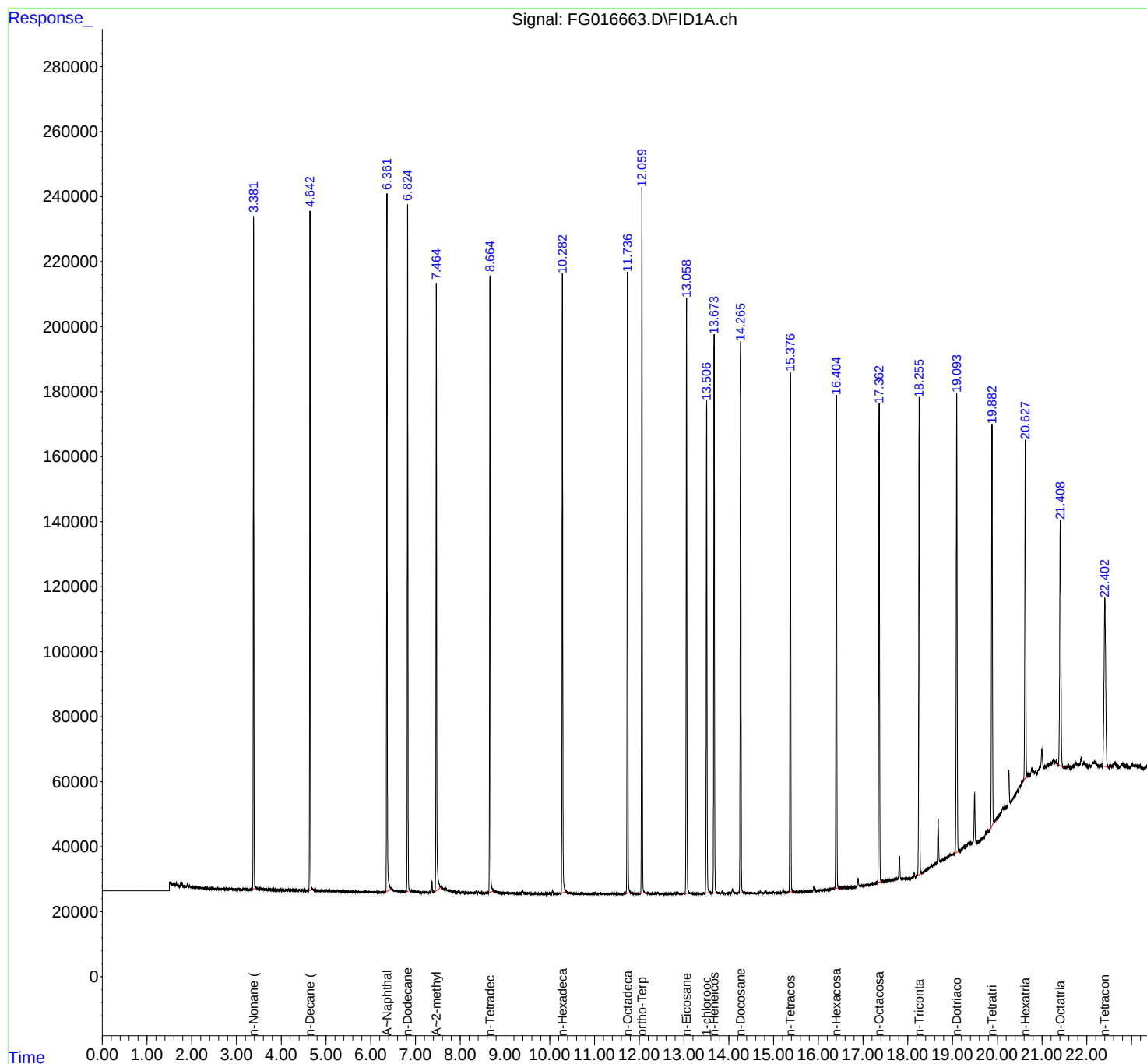
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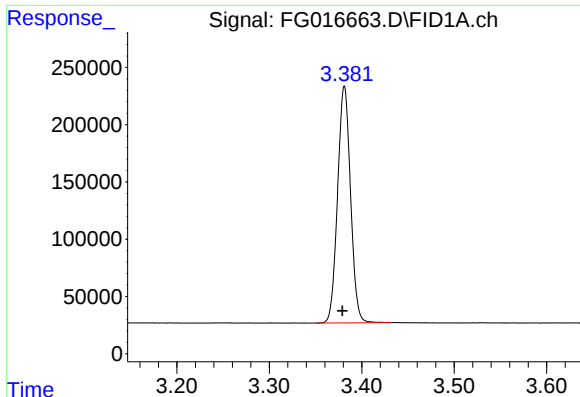
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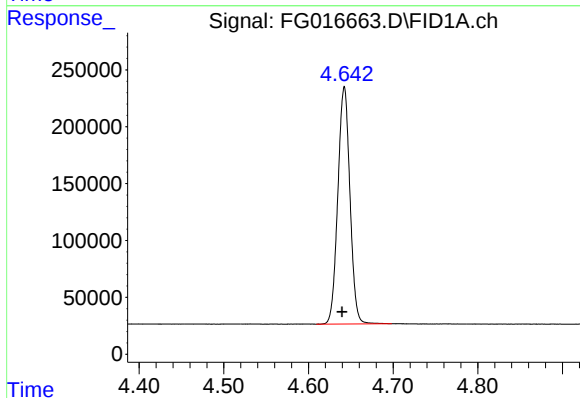
#1 n-Nonane (C9)

R.T.: 3.381 min
Delta R.T.: 0.002 min
Response: 2011686
Conc: 17.73 ug/ml

Instrument :
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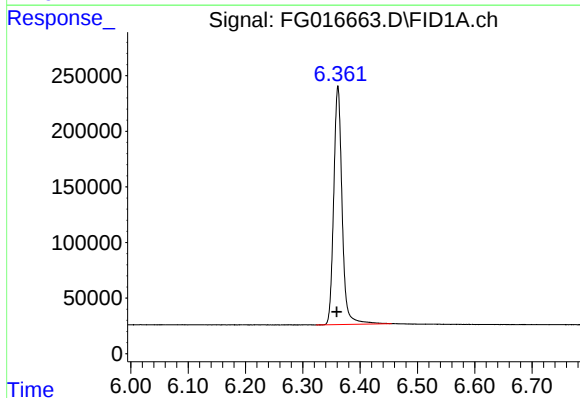
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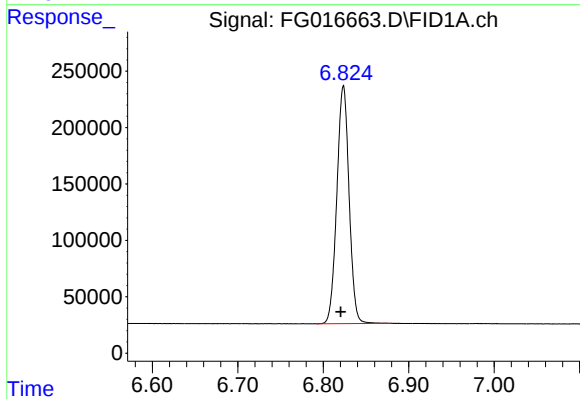
#2 n-Decane (C10)

R.T.: 4.642 min
Delta R.T.: 0.003 min
Response: 2074149
Conc: 17.93 ug/ml



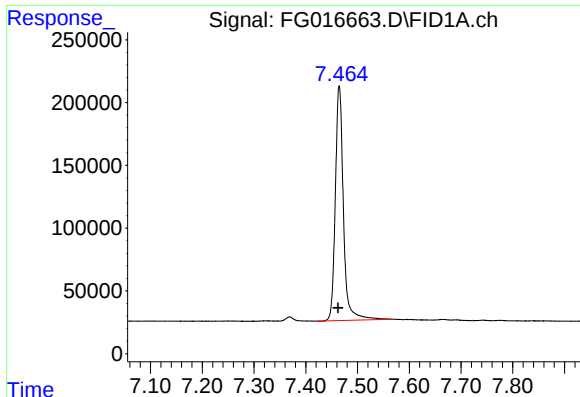
#3 A~Naphthalene (C11.7)

R.T.: 6.361 min
Delta R.T.: 0.002 min
Response: 2176161
Conc: 17.65 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.824 min
Delta R.T.: 0.003 min
Response: 2099776
Conc: 17.89 ug/ml



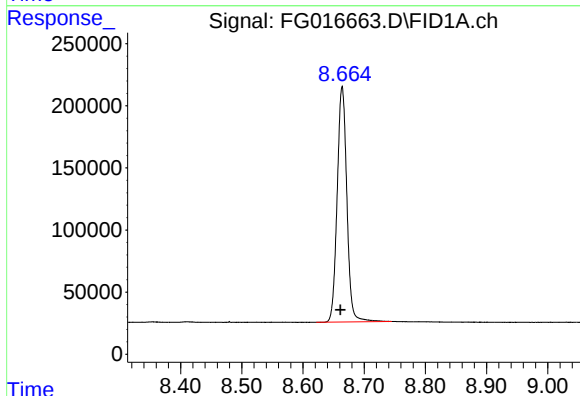
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.465 min
Delta R.T.: 0.002 min
Response: 2031759
Conc: 17.56 ug/ml

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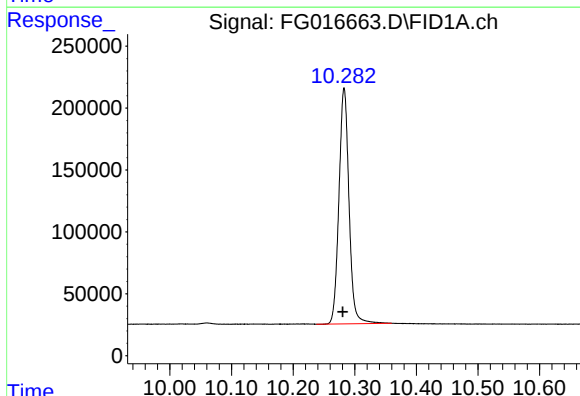
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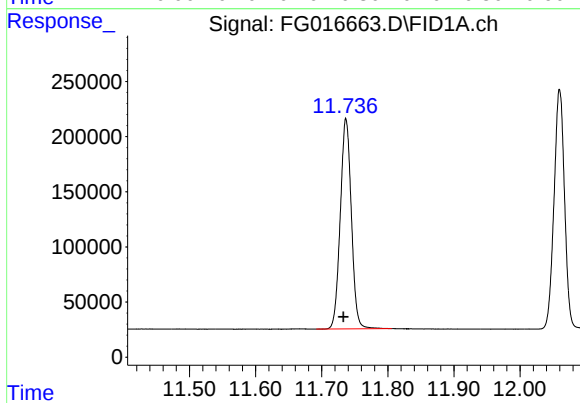
#6 n-Tetradecane (C14)

R.T.: 8.664 min
Delta R.T.: 0.003 min
Response: 2081922
Conc: 17.75 ug/ml



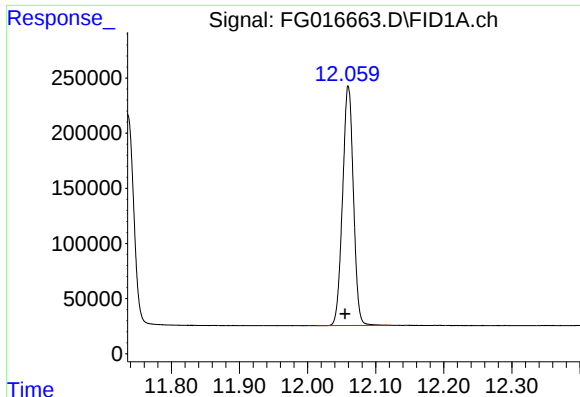
#7 n-Hexadecane (C16)

R.T.: 10.283 min
Delta R.T.: 0.002 min
Response: 2158567
Conc: 17.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.737 min
Delta R.T.: 0.004 min
Response: 2217722
Conc: 17.04 ug/ml



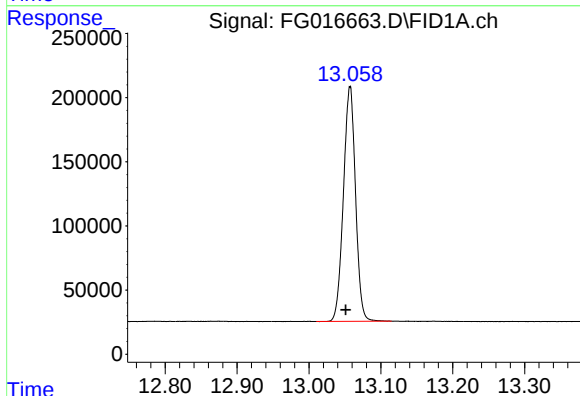
#9 ortho-Terphenyl (SURR)

R.T.: 12.060 min
Delta R.T.: 0.005 min
Response: 2400352
Conc: 16.83 ug/ml

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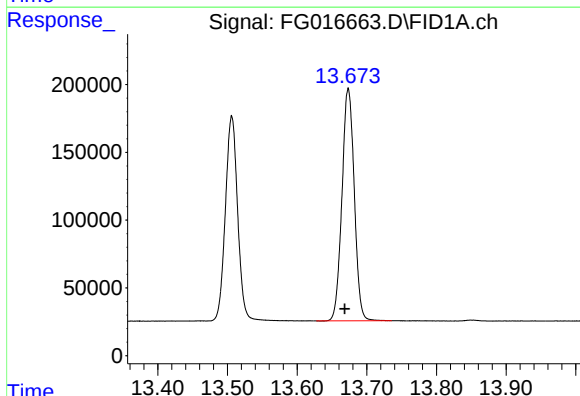
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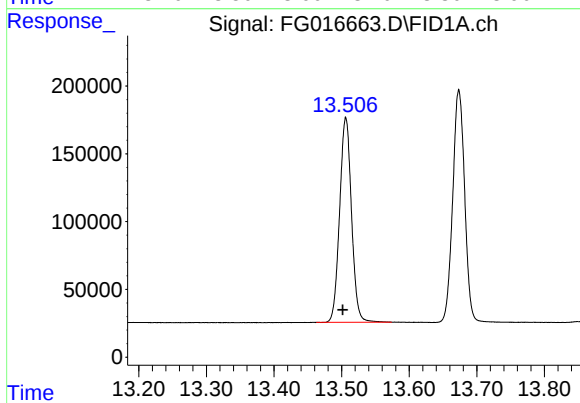
#10 n-Eicosane (C20)

R.T.: 13.057 min
Delta R.T.: 0.006 min
Response: 2142034
Conc: 16.57 ug/ml



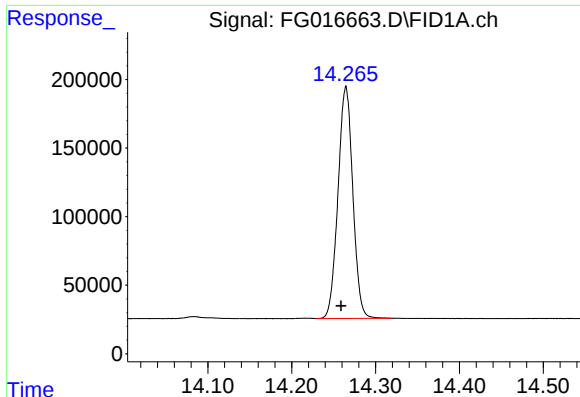
#11 n-Heneicosane (C21)

R.T.: 13.673 min
Delta R.T.: 0.005 min
Response: 2102816
Conc: 16.38 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.506 min
Delta R.T.: 0.005 min
Response: 1842088
Conc: 16.32 ug/ml



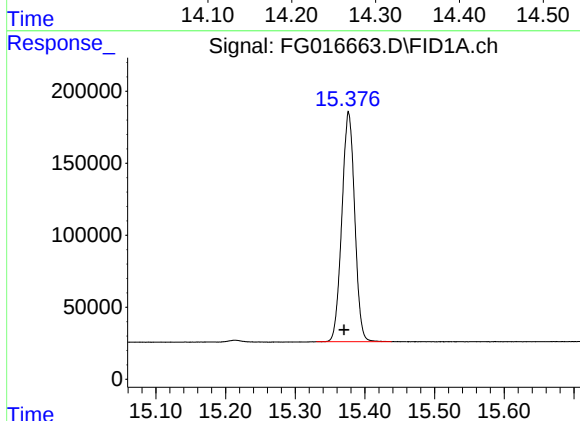
#13 n-Docosane (C22)

R.T.: 14.265 min
Delta R.T.: 0.006 min
Response: 2079058
Conc: 16.12 ug/ml

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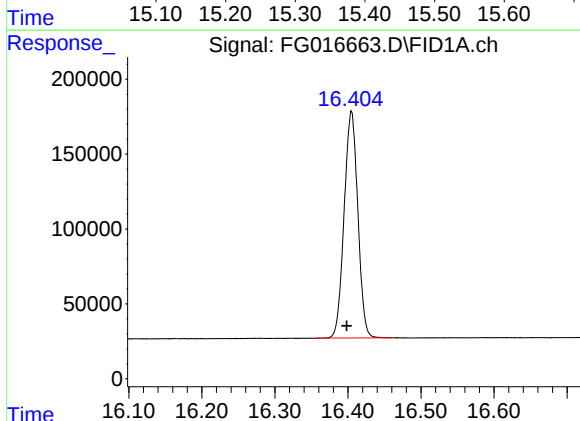
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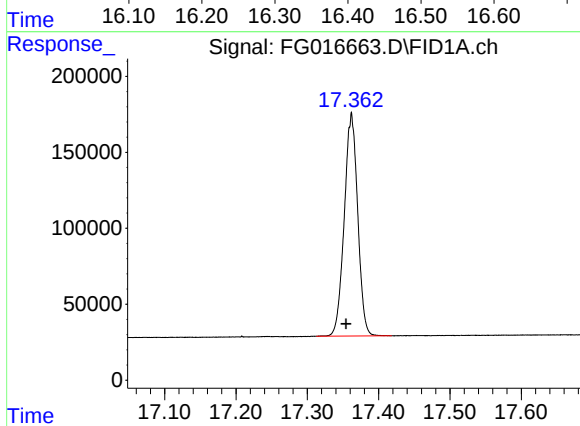
#14 n-Tetracosane (C24)

R.T.: 15.377 min
Delta R.T.: 0.006 min
Response: 2044826
Conc: 15.68 ug/ml



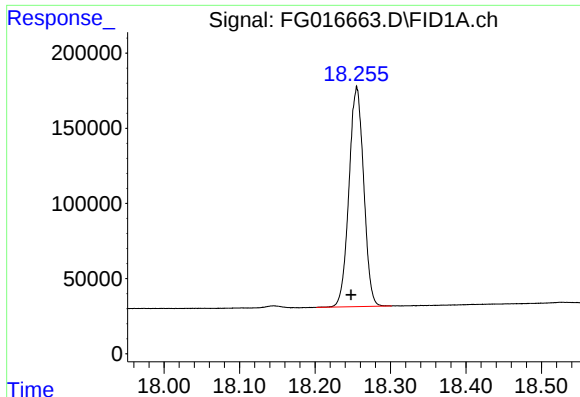
#15 n-Hexacosane (C26)

R.T.: 16.405 min
Delta R.T.: 0.007 min
Response: 1972071
Conc: 15.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.362 min
Delta R.T.: 0.007 min
Response: 1916184
Conc: 15.10 ug/ml



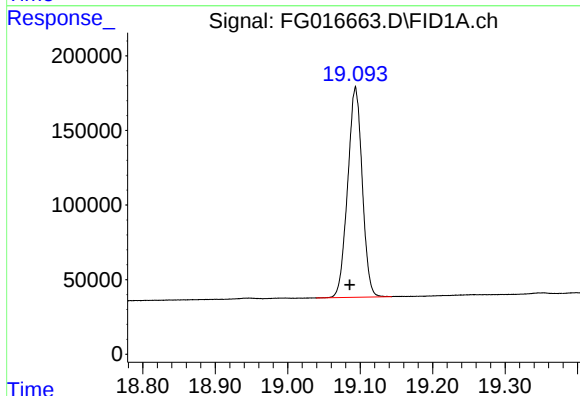
#17 n-Tricontane (C30)

R.T.: 18.255 min
Delta R.T.: 0.008 min
Response: 1976946
Conc: 15.45 ug/ml

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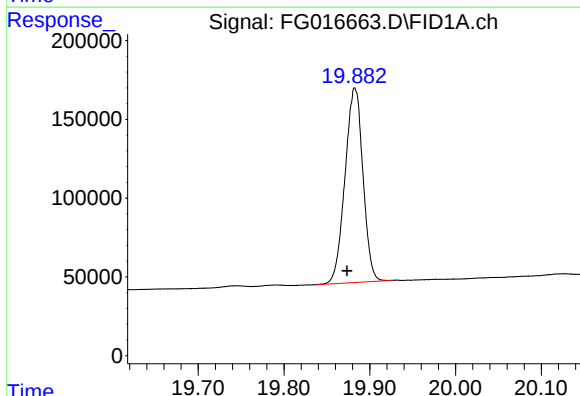
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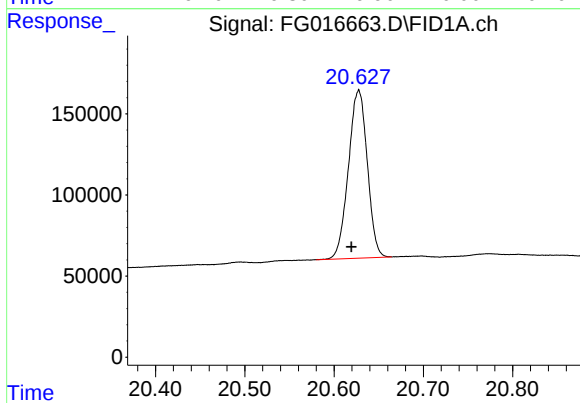
#18 n-Dotriacontane (C32)

R.T.: 19.093 min
Delta R.T.: 0.008 min
Response: 1963678
Conc: 16.03 ug/ml



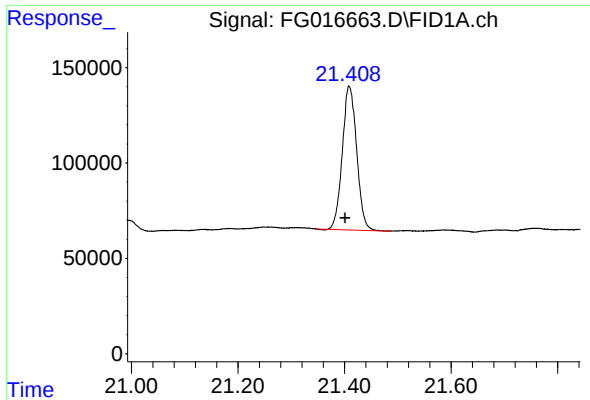
#19 n-Tetratriacontane (C34)

R.T.: 19.882 min
Delta R.T.: 0.009 min
Response: 1795135
Conc: 16.52 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.627 min
Delta R.T.: 0.008 min
Response: 1522728
Conc: 16.76 ug/ml m



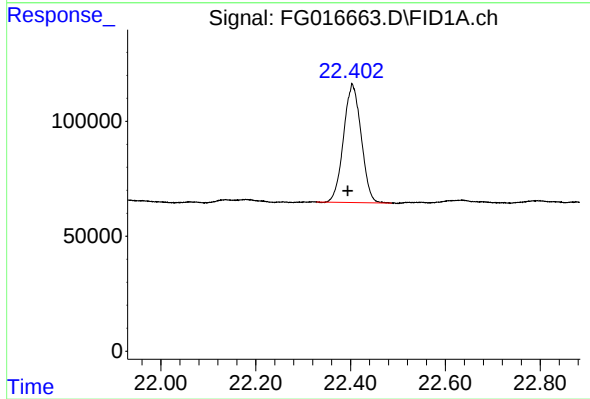
#21 n-Octatriacontane (C38)

R.T.: 21.409 min
Delta R.T.: 0.008 min
Response: 1411187
Conc: 17.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.404 min
Delta R.T.: 0.009 min
Response: 1326795
Conc: 17.20 ug/ml