

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062525AL\
 Data File : FG016145.D
 Signal(s) : FID1A.ch
 Acq On : 25 Jun 2025 21:01
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2025
 Supervised By :mohammad ahmed 06/27/2025

Integration File: autoint1.e
 Quant Time: Jun 26 04:17:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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)	12.091	2466418	19.116 ug/ml
Spiked Amount 50.000		Recovery =	38.23%
12) S 1-chlorooctadecane (S...	13.534	1917576	19.030 ug/ml
Spiked Amount 50.000		Recovery =	38.06%
Target Compounds			
1) T n-Nonane (C9)	3.417	2027179	18.736 ug/ml
2) T n-Decane (C10)	4.678	2079374	18.956 ug/ml
3) T A~Naphthalene (C11.7)	6.393	2272733	19.022 ug/ml
4) T n-Dodecane (C12)	6.856	2099369	19.066 ug/ml
5) T A~2-methylnaphthalene...	7.495	2222575	19.109 ug/ml
6) T n-Tetradecane (C14)	8.695	2109962	19.213 ug/ml
7) T n-Hexadecane (C16)	10.313	2180152	19.153 ug/ml
8) T n-Octadecane (C18)	11.767	2236005	19.207 ug/ml
10) T n-Eicosane (C20)	13.086	2222619	19.529 ug/ml
11) T n-Heneicosane (C21)	13.701	2173518	19.199 ug/ml
13) T n-Docosane (C22)	14.293	2295734	20.194 ug/ml
14) T n-Tetracosane (C24)	15.403	2543139	22.055 ug/ml
15) T n-Hexacosane (C26)	16.430	2707035	23.524 ug/ml
16) T n-Octacosane (C28)	17.384	2766484	24.376 ug/mlm
17) T n-Tricontane (C30)	18.277	2812475	24.565 ug/ml
18) T n-Dotriacontane (C32)	19.114	2598598	23.834 ug/mlm
19) T n-Tetratriacontane (C34)	19.901	2135828	21.588 ug/ml
20) T n-Hexatriacontane (C36)	20.644	1738519	20.482 ug/ml
21) T n-Octatriacontane (C38)	21.431	1502595	19.904 ug/ml
22) T n-Tetracontane (C40)	22.435	1369075	19.799 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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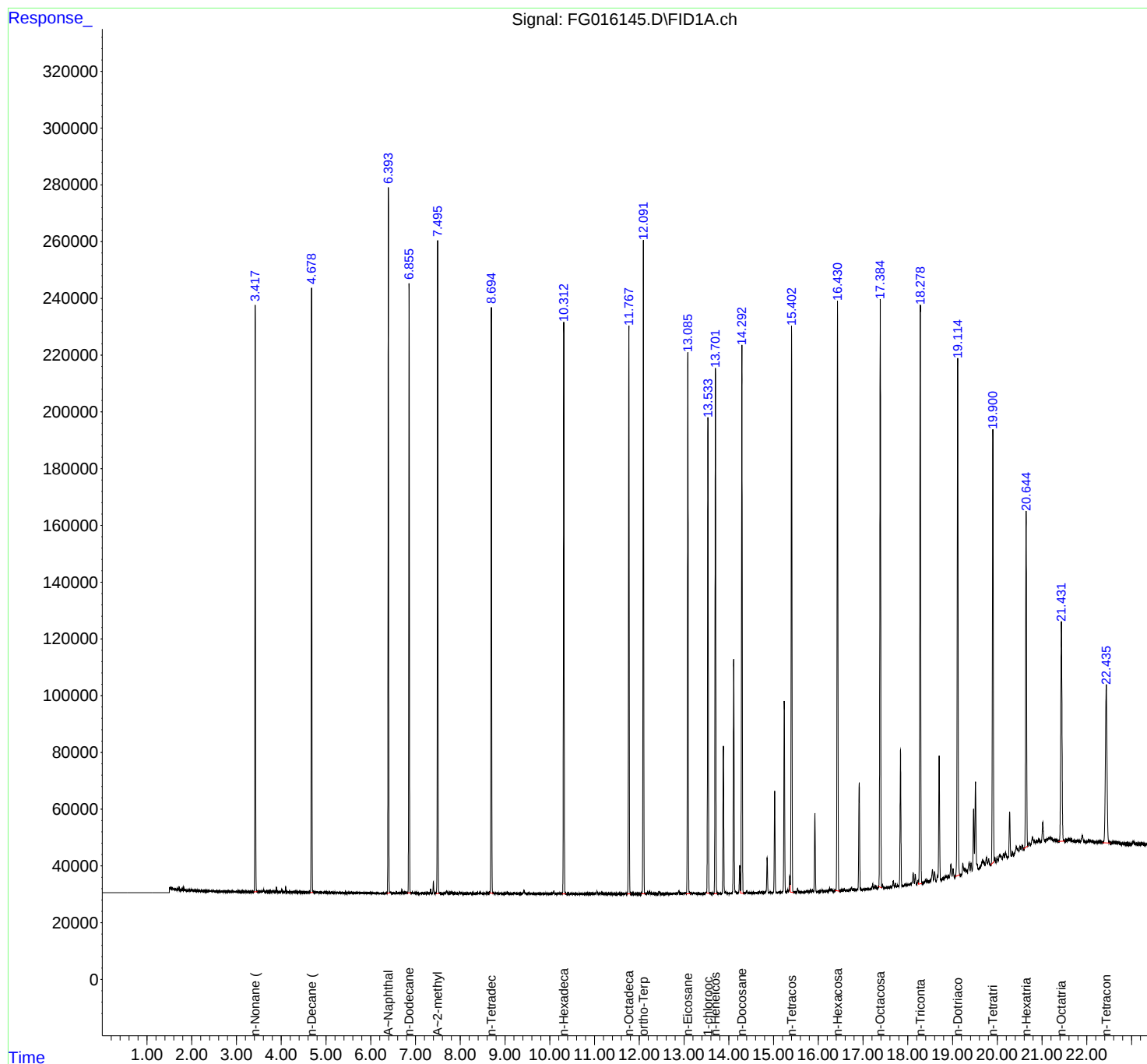
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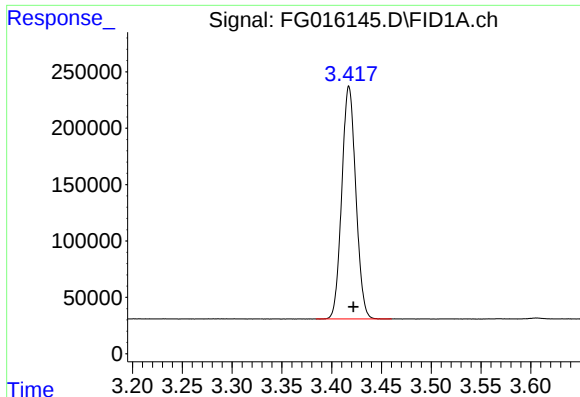
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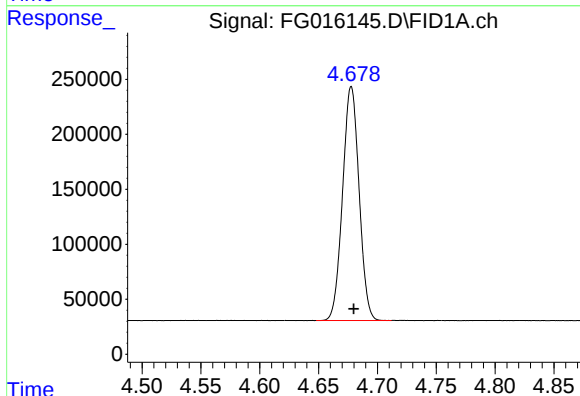
#1 n-Nonane (C9)

R.T.: 3.417 min
Delta R.T.: -0.005 min
Response: 2027179
Conc: 18.74 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

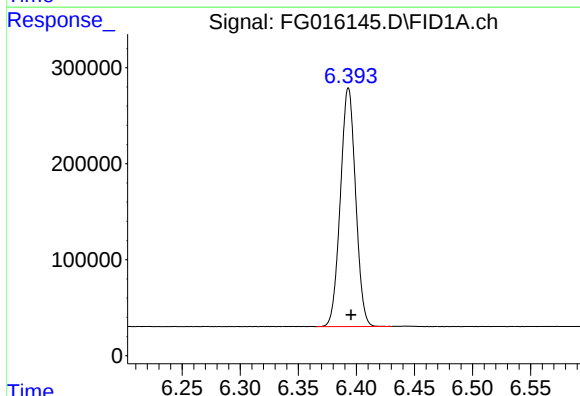
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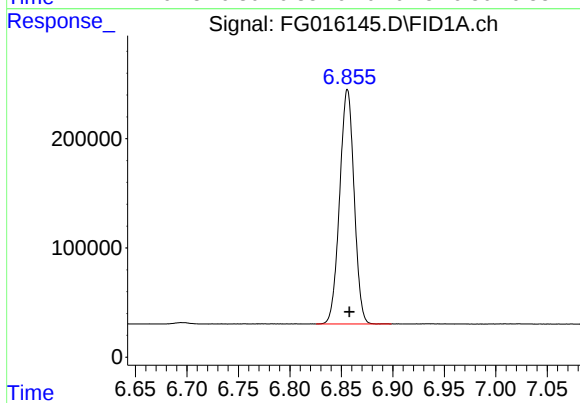
#2 n-Decane (C10)

R.T.: 4.678 min
Delta R.T.: -0.002 min
Response: 2079374
Conc: 18.96 ug/ml



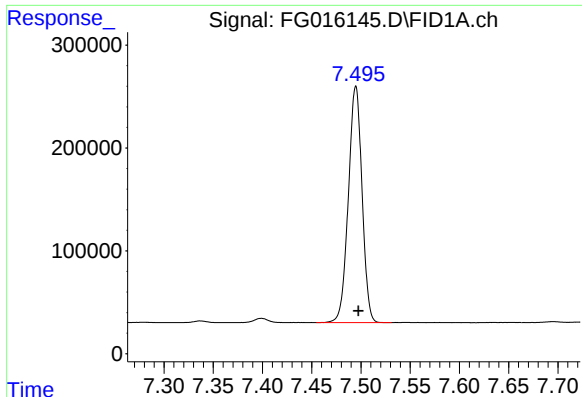
#3 A~Naphthalene (C11.7)

R.T.: 6.393 min
Delta R.T.: -0.002 min
Response: 2272733
Conc: 19.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.856 min
Delta R.T.: -0.002 min
Response: 2099369
Conc: 19.07 ug/ml



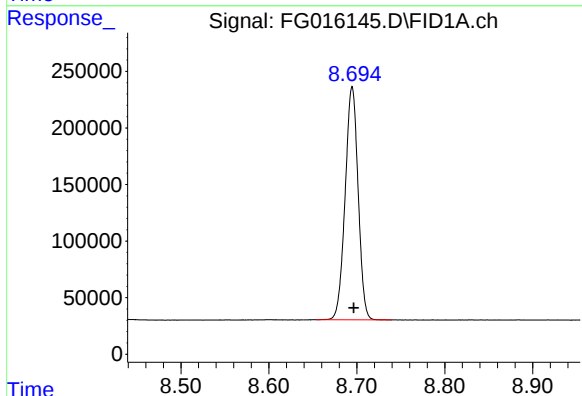
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.495 min
Delta R.T.: -0.003 min
Response: 2222575
Conc: 19.11 ug/ml

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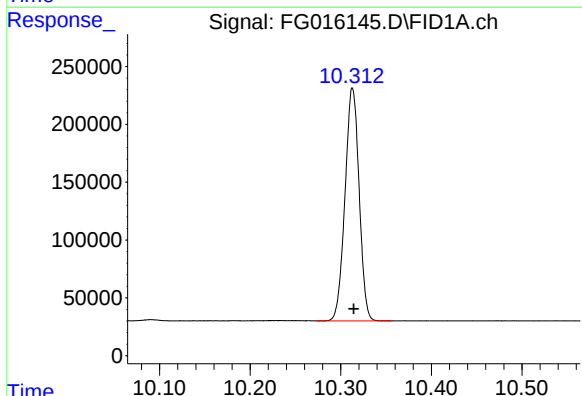
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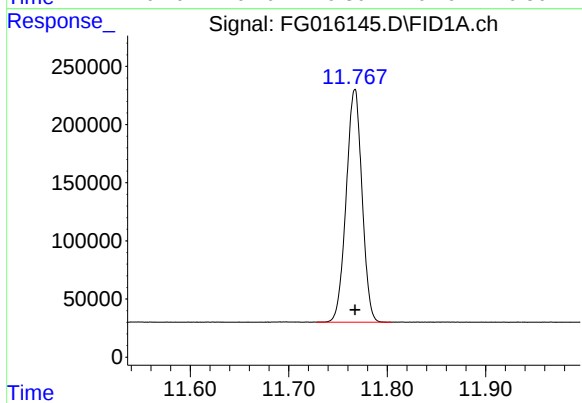
#6 n-Tetradecane (C14)

R.T.: 8.695 min
Delta R.T.: -0.002 min
Response: 2109962
Conc: 19.21 ug/ml



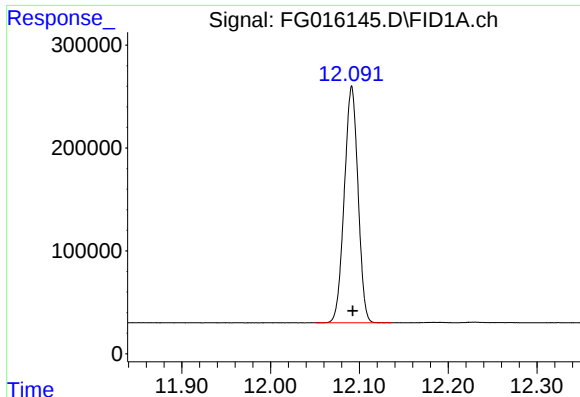
#7 n-Hexadecane (C16)

R.T.: 10.313 min
Delta R.T.: -0.002 min
Response: 2180152
Conc: 19.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.767 min
Delta R.T.: 0.000 min
Response: 2236005
Conc: 19.21 ug/ml



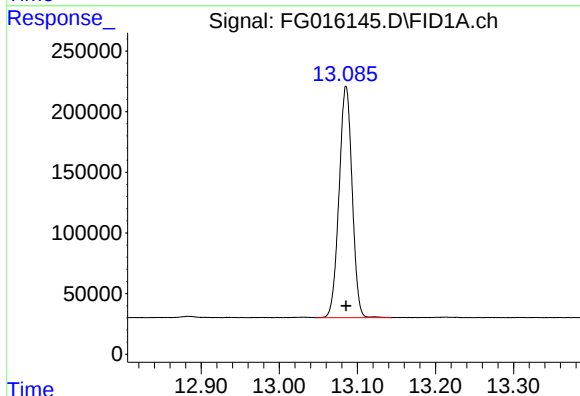
#9 ortho-Terphenyl (SURR)

R.T.: 12.091 min
Delta R.T.: -0.001 min
Response: 2466418
Conc: 19.12 ug/ml

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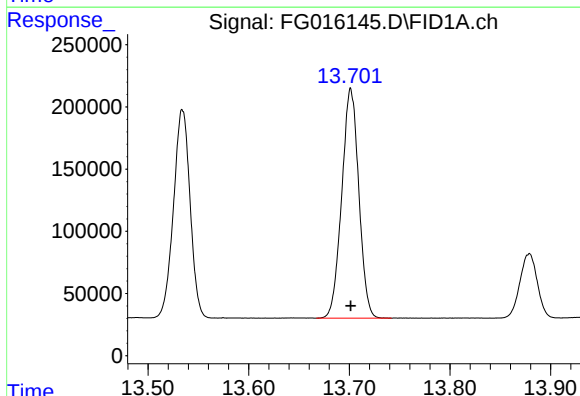
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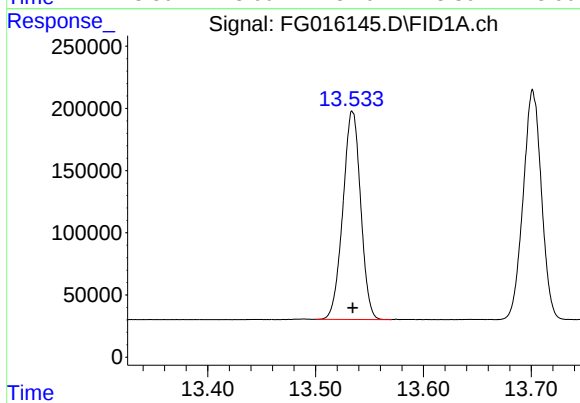
#10 n-Eicosane (C20)

R.T.: 13.086 min
Delta R.T.: 0.000 min
Response: 2222619
Conc: 19.53 ug/ml



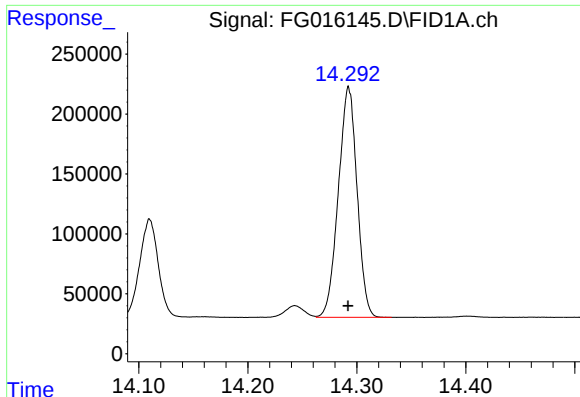
#11 n-Heneicosane (C21)

R.T.: 13.701 min
Delta R.T.: 0.000 min
Response: 2173518
Conc: 19.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.534 min
Delta R.T.: 0.000 min
Response: 1917576
Conc: 19.03 ug/ml



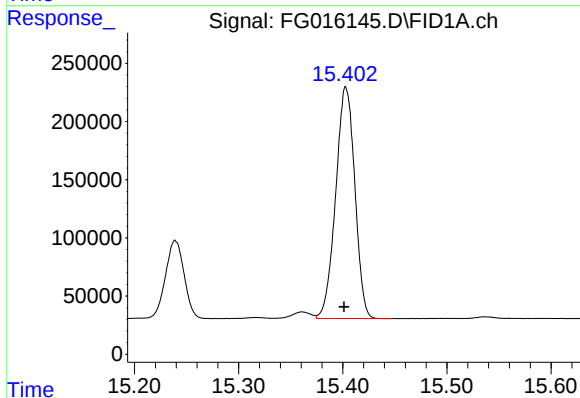
#13 n-Docosane (C22)

R.T.: 14.293 min
Delta R.T.: 0.000 min
Response: 2295734
Conc: 20.19 ug/ml

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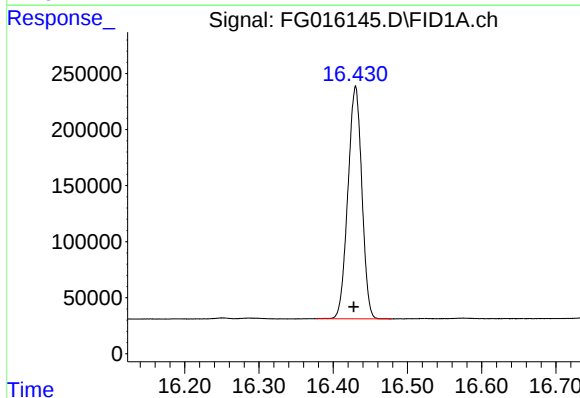
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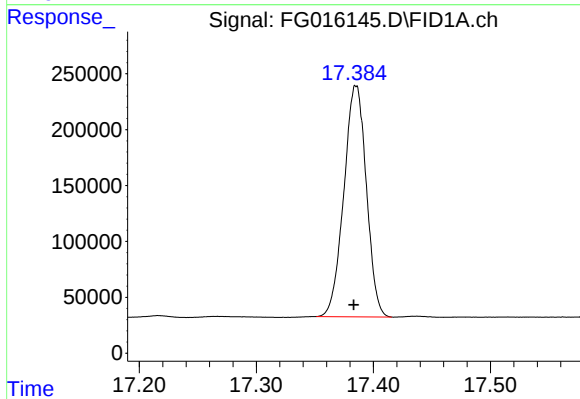
#14 n-Tetracosane (C24)

R.T.: 15.403 min
Delta R.T.: 0.002 min
Response: 2543139
Conc: 22.05 ug/ml



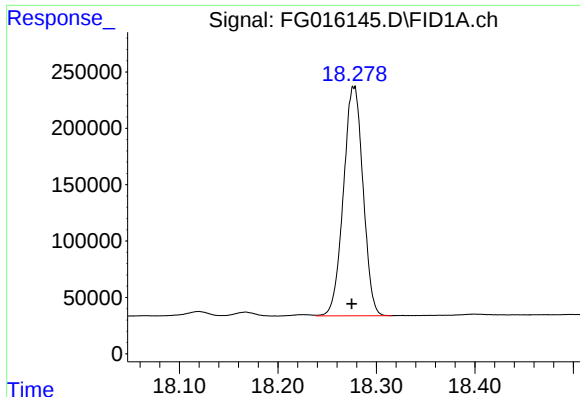
#15 n-Hexacosane (C26)

R.T.: 16.430 min
Delta R.T.: 0.002 min
Response: 2707035
Conc: 23.52 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.384 min
Delta R.T.: 0.000 min
Response: 2766484
Conc: 24.38 ug/ml m



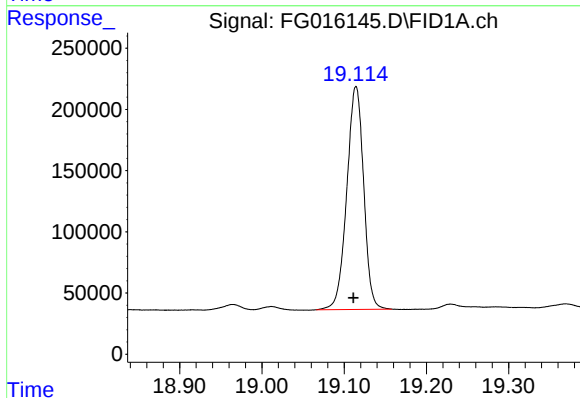
#17 n-Tricontane (C30)

R.T.: 18.277 min
Delta R.T.: 0.002 min
Response: 2812475
Conc: 24.57 ug/ml

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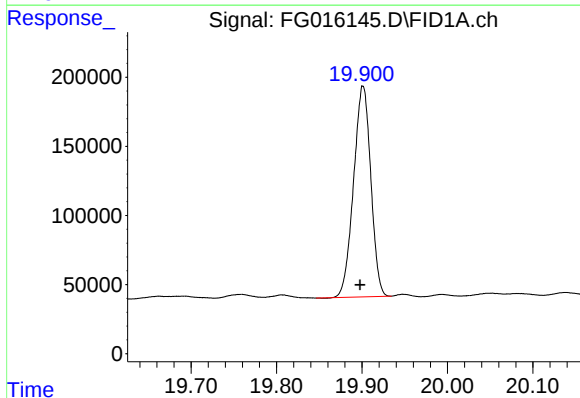
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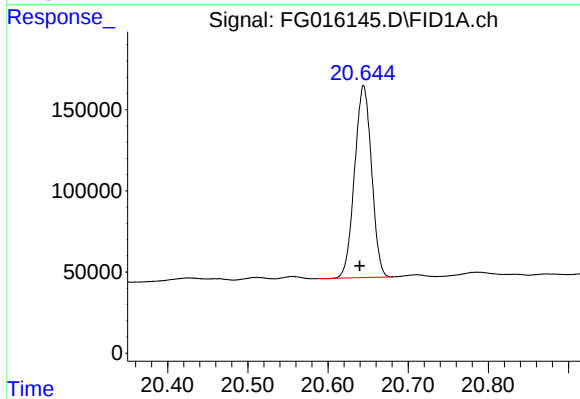
#18 n-Dotriacontane (C32)

R.T.: 19.114 min
Delta R.T.: 0.003 min
Response: 2598598
Conc: 23.83 ug/ml m



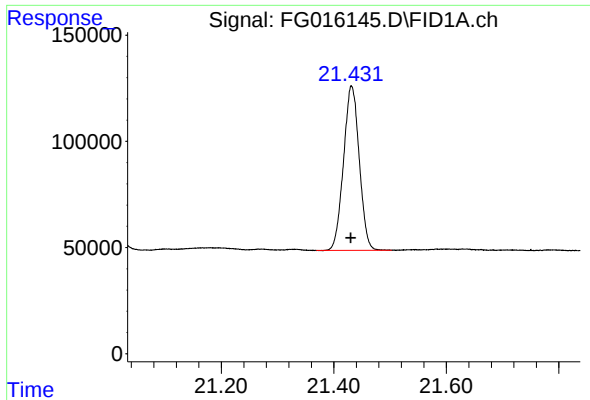
#19 n-Tetratriacontane (C34)

R.T.: 19.901 min
Delta R.T.: 0.004 min
Response: 2135828
Conc: 21.59 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.644 min
Delta R.T.: 0.005 min
Response: 1738519
Conc: 20.48 ug/ml



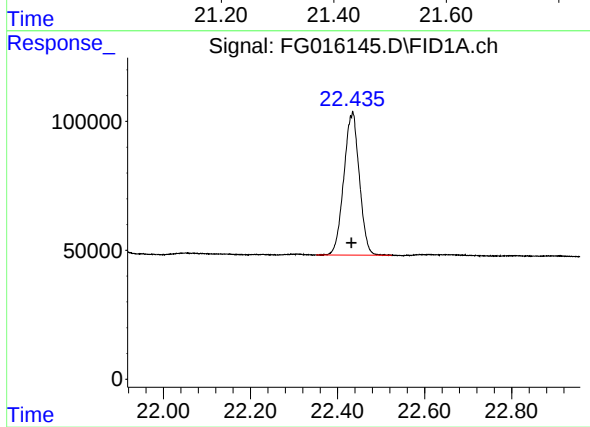
#21 n-Octatriacontane (C38)

R.T.: 21.431 min
Delta R.T.: 0.001 min
Response: 1502595
Conc: 19.90 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.435 min
Delta R.T.: 0.003 min
Response: 1369075
Conc: 19.80 ug/ml