

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092925AL\
 Data File : FG016675.D
 Signal(s) : FID1A.ch
 Acq On : 29 Sep 2025 09:50
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/30/2025
 Supervised By :mohammad ahmed 10/01/2025

Integration File: autoint1.e
 Quant Time: Sep 30 01:39:02 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)	12.057	2766563	19.396 ug/ml
Spiked Amount 50.000		Recovery =	38.79%
12) S 1-chlorooctadecane (S...	13.503	2139571	18.956 ug/ml
Spiked Amount 50.000		Recovery =	37.91%
Target Compounds			
1) T n-Nonane (C9)	3.380	2244891	19.782 ug/ml
2) T n-Decane (C10)	4.640	2310722	19.980 ug/ml
3) T A~Naphthalene (C11.7)	6.359	2420051	19.628 ug/ml
4) T n-Dodecane (C12)	6.822	2331972	19.867 ug/ml
5) T A~2-methylnaphthalene...	7.462	2270610	19.629 ug/ml
6) T n-Tetradecane (C14)	8.662	2322367	19.795 ug/ml
7) T n-Hexadecane (C16)	10.280	2450685	19.779 ug/ml
8) T n-Octadecane (C18)	11.734	2555750	19.633 ug/ml
10) T n-Eicosane (C20)	13.053	2494973	19.300 ug/ml
11) T n-Heneicosane (C21)	13.670	2467504	19.215 ug/ml
13) T n-Docosane (C22)	14.261	2457011	19.055 ug/ml
14) T n-Tetracosane (C24)	15.372	2453410	18.811 ug/ml
15) T n-Hexacosane (C26)	16.400	2390612	18.519 ug/ml
16) T n-Octacosane (C28)	17.356	2327804	18.343 ug/ml
17) T n-Tricontane (C30)	18.251	2386146	18.649 ug/ml
18) T n-Dotriacontane (C32)	19.088	2311697	18.875 ug/ml
19) T n-Tetratriacontane (C34)	19.877	2054680	18.914 ug/ml
20) T n-Hexatriacontane (C36)	20.619	1698438	18.690 ug/mlm
21) T n-Octatriacontane (C38)	21.401	1478202	18.150 ug/ml
22) T n-Tetracontane (C40)	22.394	1356753	17.588 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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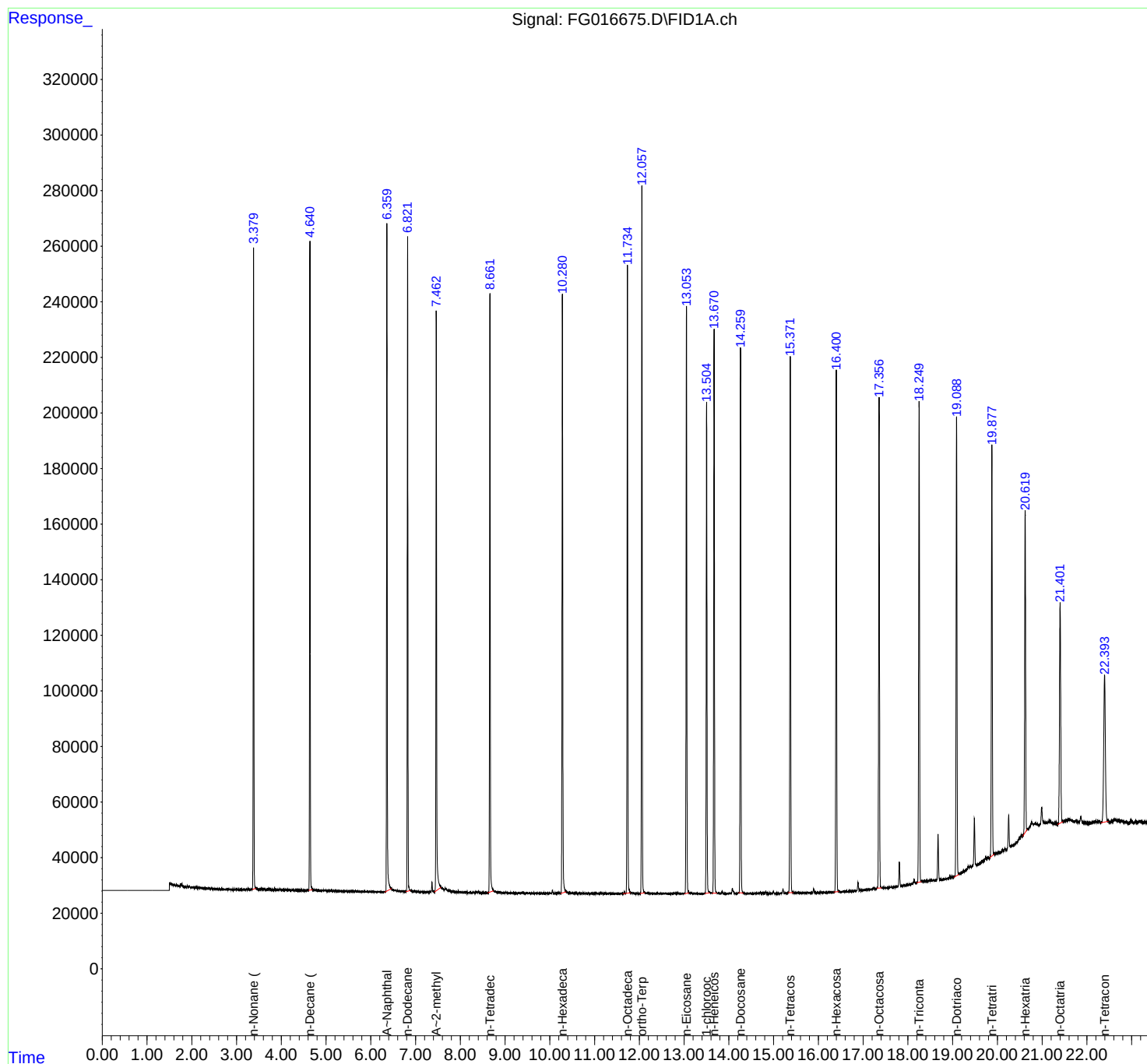
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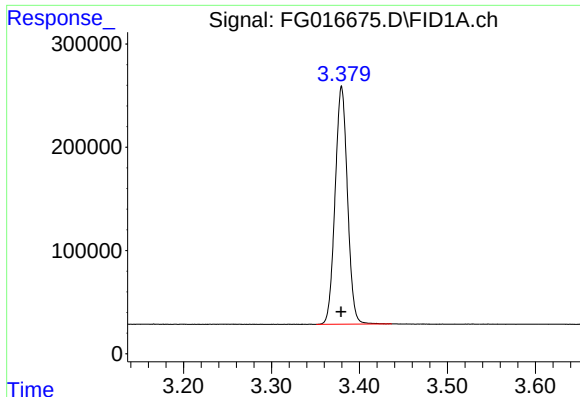
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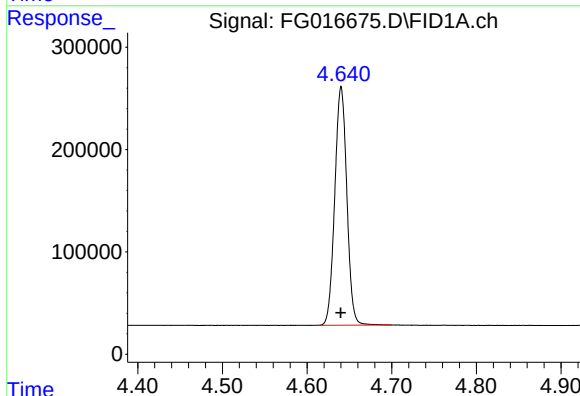
#1 n-Nonane (C9)

R.T.: 3.380 min
Delta R.T.: 0.000 min
Response: 2244891
Conc: 19.78 ug/ml

Instrument :
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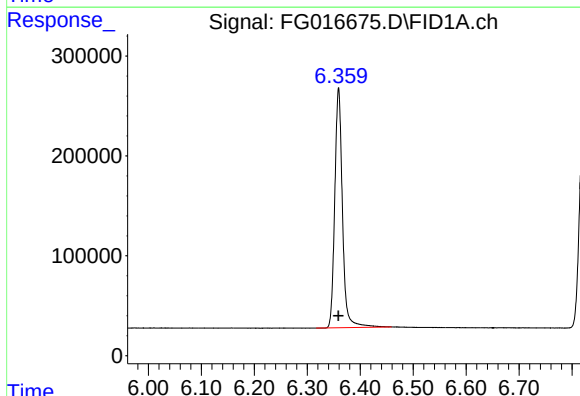
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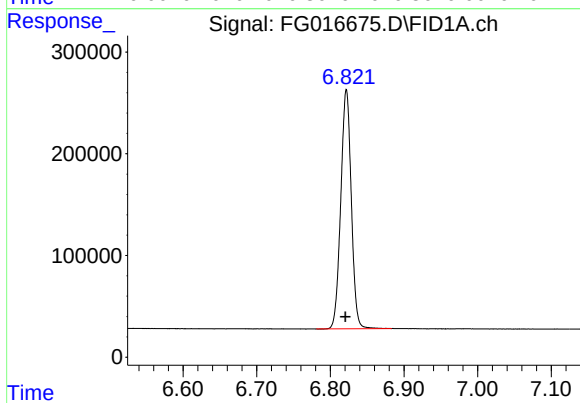
#2 n-Decane (C10)

R.T.: 4.640 min
Delta R.T.: 0.000 min
Response: 2310722
Conc: 19.98 ug/ml



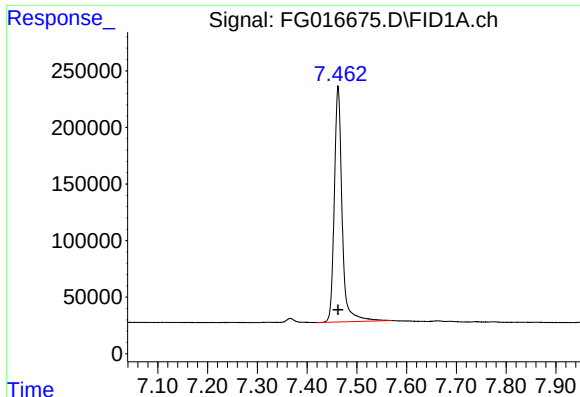
#3 A~Naphthalene (C11.7)

R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 2420051
Conc: 19.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.822 min
Delta R.T.: 0.001 min
Response: 2331972
Conc: 19.87 ug/ml



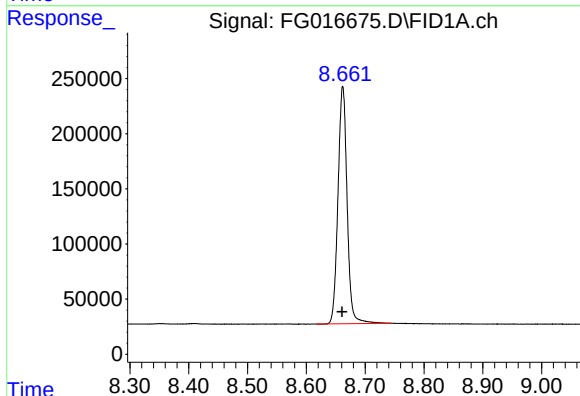
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 2270610
Conc: 19.63 ug/ml

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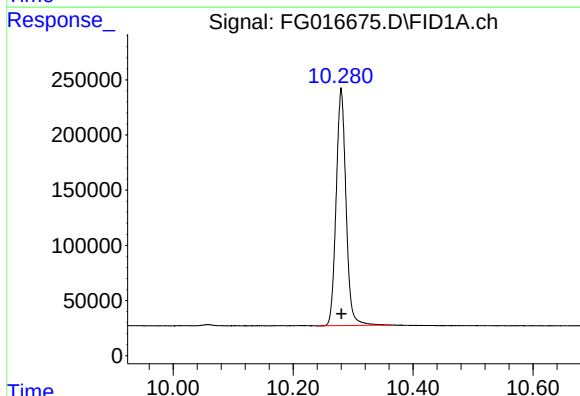
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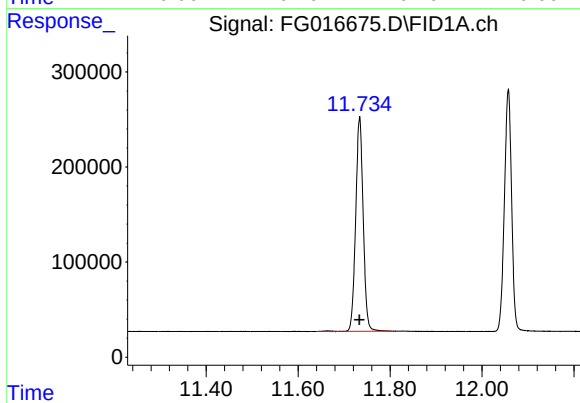
#6 n-Tetradecane (C14)

R.T.: 8.662 min
Delta R.T.: 0.001 min
Response: 2322367
Conc: 19.79 ug/ml



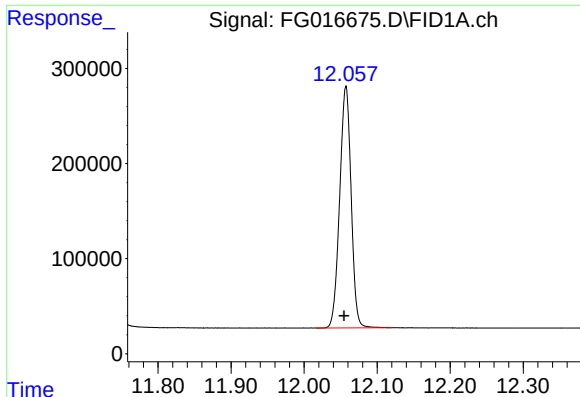
#7 n-Hexadecane (C16)

R.T.: 10.280 min
Delta R.T.: 0.000 min
Response: 2450685
Conc: 19.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.734 min
Delta R.T.: 0.000 min
Response: 2555750
Conc: 19.63 ug/ml



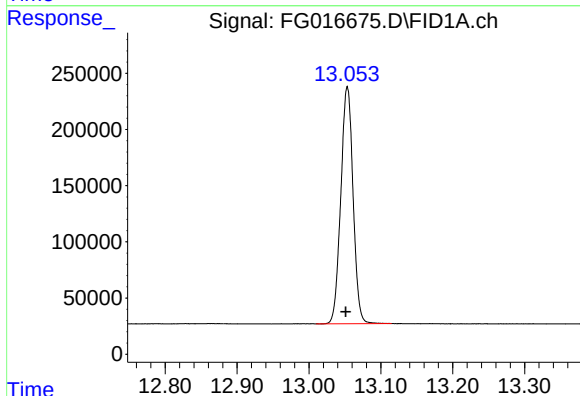
#9 ortho-Terphenyl (SURR)

R.T.: 12.057 min
Delta R.T.: 0.003 min
Response: 2766563
Conc: 19.40 ug/ml

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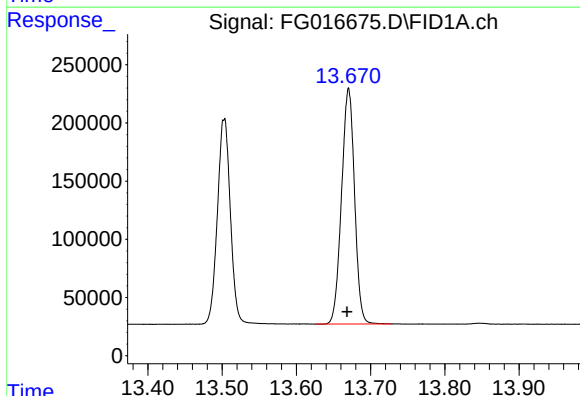
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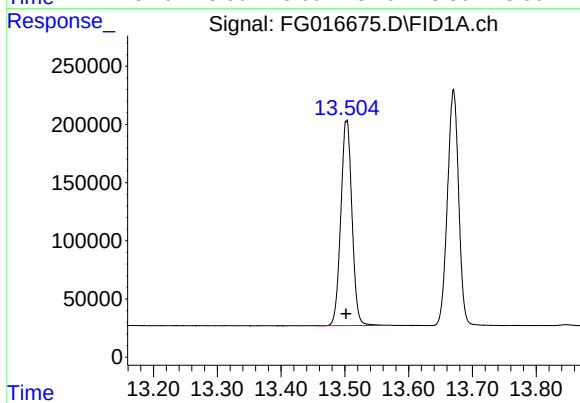
#10 n-Eicosane (C20)

R.T.: 13.053 min
Delta R.T.: 0.002 min
Response: 2494973
Conc: 19.30 ug/ml



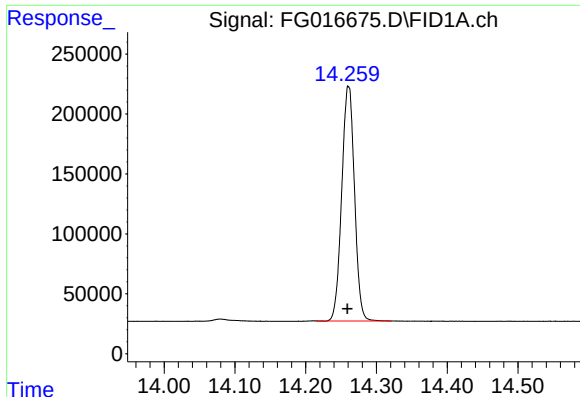
#11 n-Heneicosane (C21)

R.T.: 13.670 min
Delta R.T.: 0.002 min
Response: 2467504
Conc: 19.22 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.503 min
Delta R.T.: 0.001 min
Response: 2139571
Conc: 18.96 ug/ml



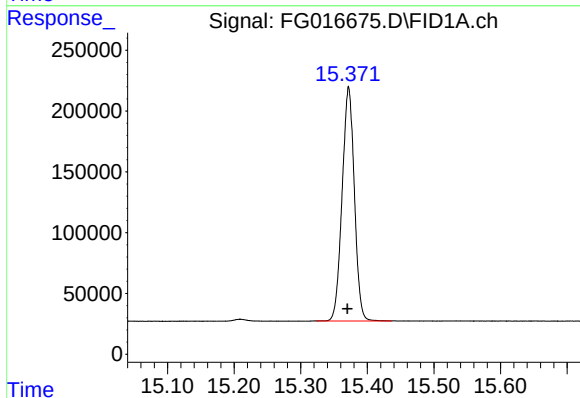
#13 n-Docosane (C22)

R.T.: 14.261 min
Delta R.T.: 0.002 min
Response: 2457011
Conc: 19.05 ug/ml

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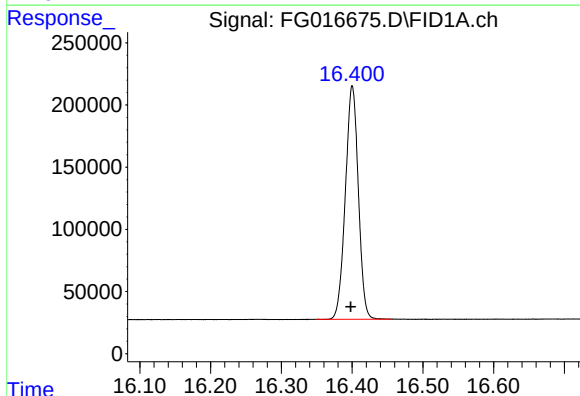
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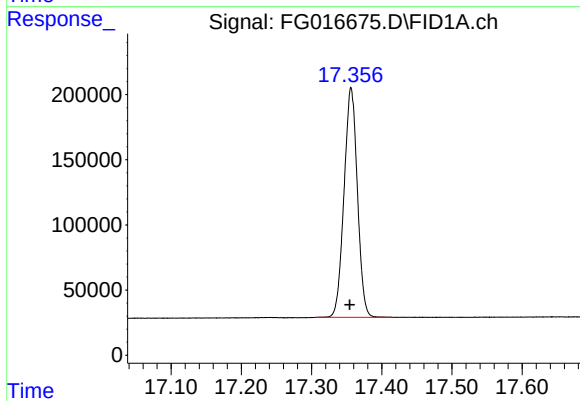
#14 n-Tetracosane (C24)

R.T.: 15.372 min
Delta R.T.: 0.002 min
Response: 2453410
Conc: 18.81 ug/ml



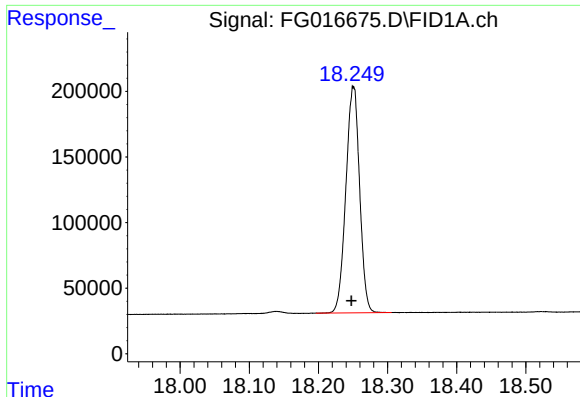
#15 n-Hexacosane (C26)

R.T.: 16.400 min
Delta R.T.: 0.002 min
Response: 2390612
Conc: 18.52 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.356 min
Delta R.T.: 0.002 min
Response: 2327804
Conc: 18.34 ug/ml



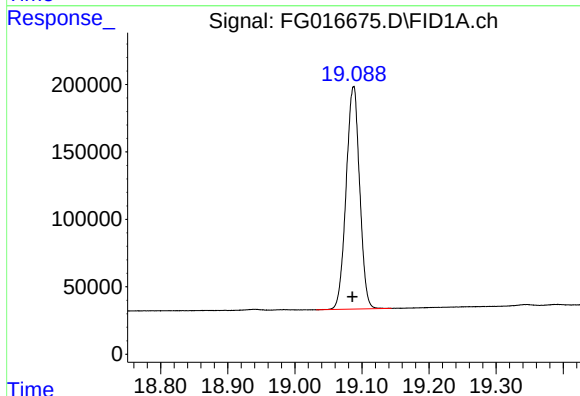
#17 n-Tricontane (C30)

R.T.: 18.251 min
Delta R.T.: 0.003 min
Response: 2386146
Conc: 18.65 ug/ml

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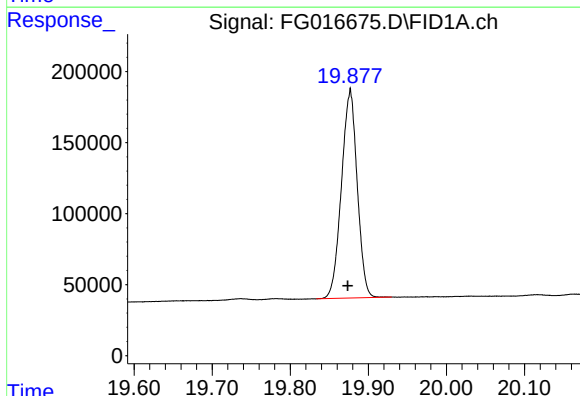
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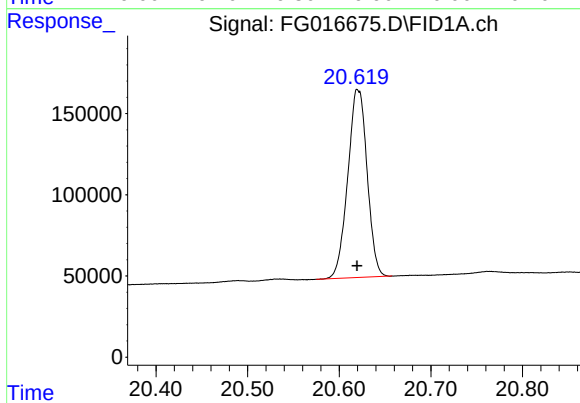
#18 n-Dotriacontane (C32)

R.T.: 19.088 min
Delta R.T.: 0.002 min
Response: 2311697
Conc: 18.88 ug/ml



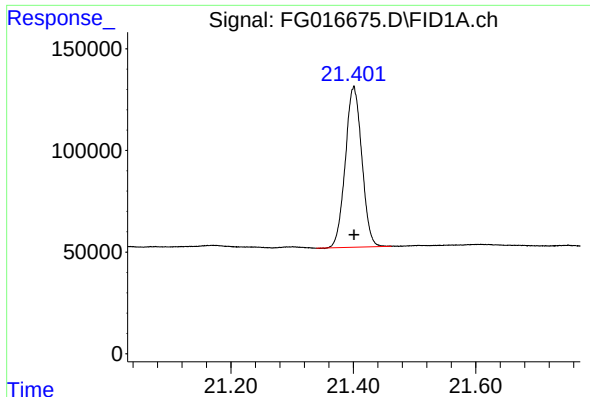
#19 n-Tetratriacontane (C34)

R.T.: 19.877 min
Delta R.T.: 0.003 min
Response: 2054680
Conc: 18.91 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.619 min
Delta R.T.: 0.000 min
Response: 1698438
Conc: 18.69 ug/ml m



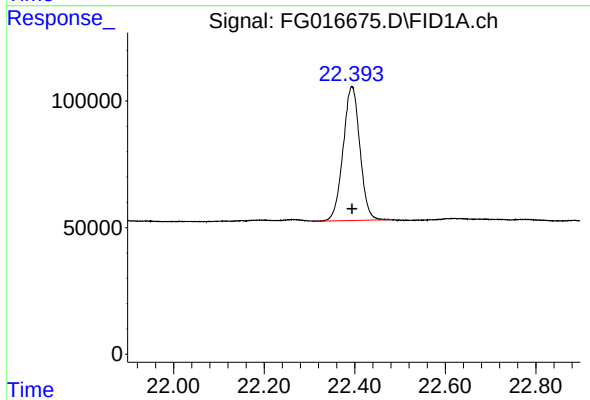
#21 n-Octatriacontane (C38)

R.T.: 21.401 min
Delta R.T.: 0.000 min
Response: 1478202
Conc: 18.15 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.394 min
Delta R.T.: 0.000 min
Response: 1356753
Conc: 17.59 ug/ml