

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
 Data File : FG012673.D
 Signal(s) : FID1A.ch
 Acq On : 10 Aug 2023 18:10
 Operator : YP\AJ
 Sample : 03572-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :Ankita Jodhani 08/11/2023

Integration File: autoint1.e
 Quant Time: Aug 10 23:13:44 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 10 15:32:13 2023
 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			
12) S 1-chlorooctadecane (S...	13.425	5079430	48.699 ug/ml
Spiked Amount 50.000		Recovery =	97.40%
Target Compounds			
1) T n-Nonane (C9)	3.346	409037	3.938 ug/ml
2) T n-Decane (C10)	4.597	401691	3.830 ug/ml
4) T n-Dodecane (C12)	6.768	416343	3.898 ug/ml
6) T n-Tetradecane (C14)	8.600	427428	3.978 ug/ml
7) T n-Hexadecane (C16)	10.213	433305	3.983 ug/ml
8) T n-Octadecane (C18)	11.660	460515	4.174 ug/ml
10) T n-Eicosane (C20)	12.975	444266	4.026 ug/ml
11) T n-Heneicosane (C21)	13.589	446131	4.042 ug/ml
13) T n-Docosane (C22)	14.176	445731	4.071 ug/ml
14) T n-Tetracosane (C24)	15.282	439511	4.073 ug/ml
15) T n-Hexacosane (C26)	16.306	430482	4.099 ug/ml
16) T n-Octacosane (C28)	17.257	418042	4.129 ug/ml
17) T n-Tricontane (C30)	18.145	412868	4.145 ug/ml
18) T n-Dotriacontane (C32)	18.980	428706	4.337 ug/ml
19) T n-Tetratriacontane (C34)	19.764	383662	4.170 ug/ml
20) T n-Hexatriacontane (C36)	20.502	364262	4.057 ug/ml
21) T n-Octatriacontane (C38)	21.262	331825	3.908 ug/ml
22) T n-Tetracontane (C40)	22.208	322600	3.952 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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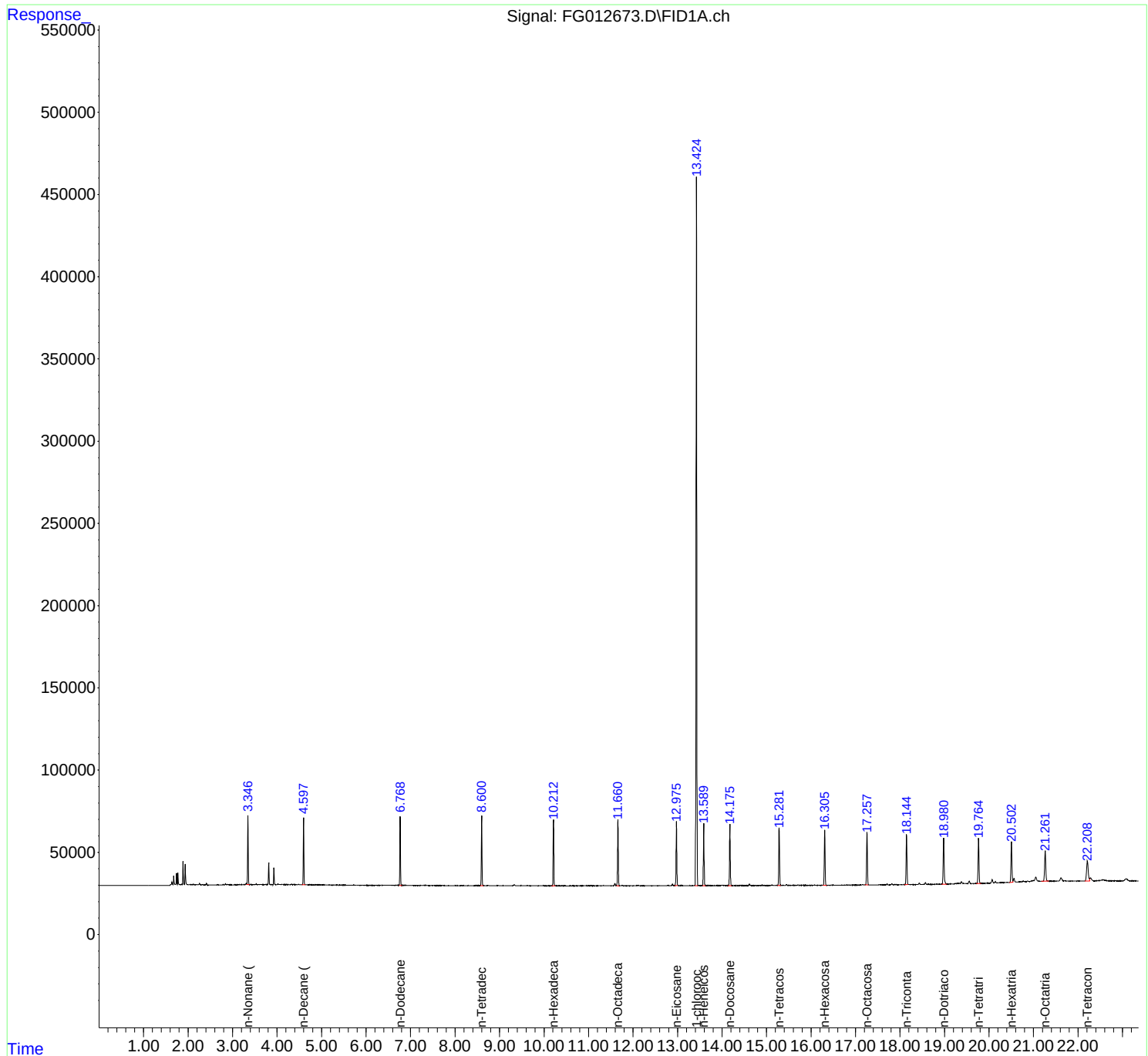
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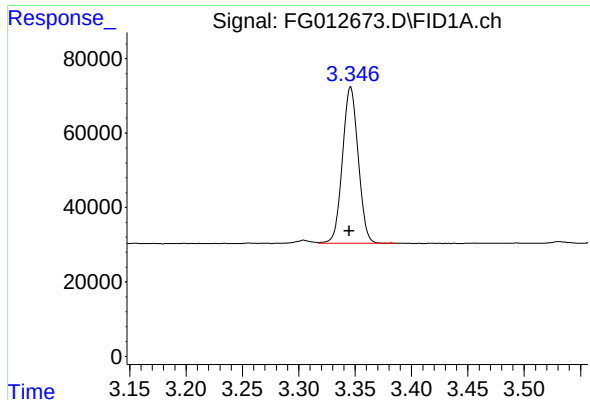
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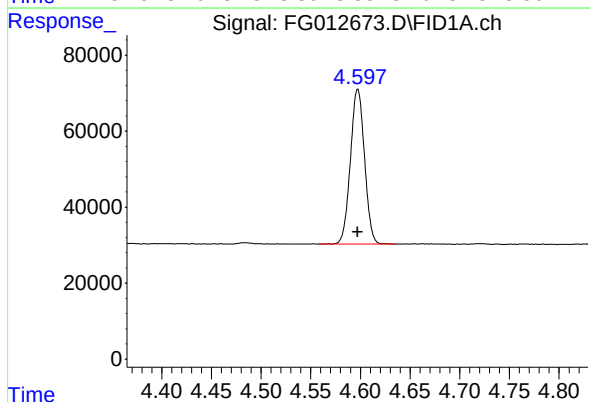
#1 n-Nonane (C9)

R.T.: 3.346 min
Delta R.T.: 0.001 min
Response: 409037
Conc: 3.94 ug/ml

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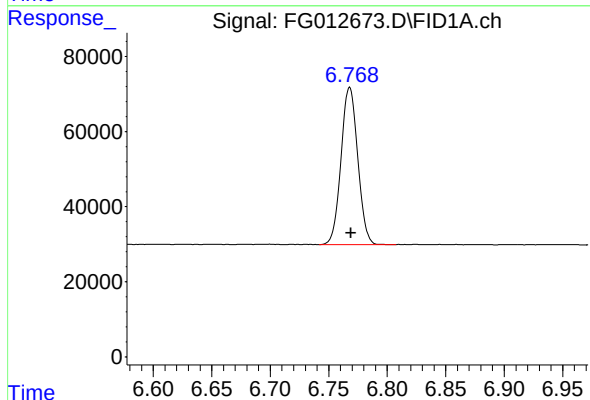
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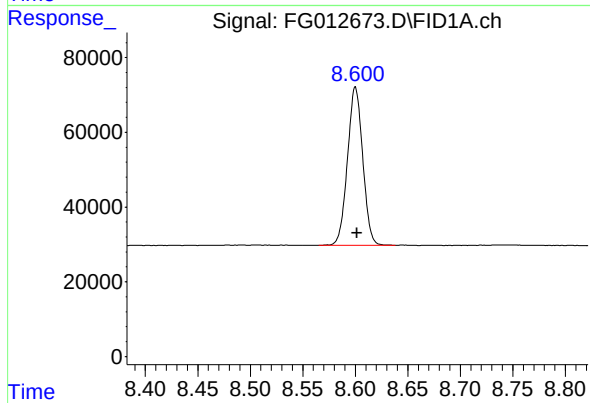
#2 n-Decane (C10)

R.T.: 4.597 min
Delta R.T.: 0.000 min
Response: 401691
Conc: 3.83 ug/ml



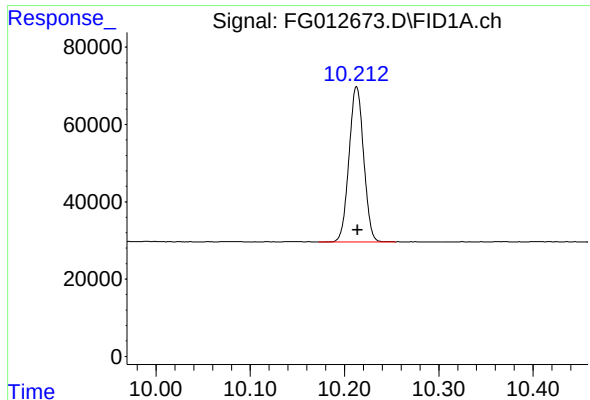
#4 n-Dodecane (C12)

R.T.: 6.768 min
Delta R.T.: -0.001 min
Response: 416343
Conc: 3.90 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.600 min
Delta R.T.: -0.001 min
Response: 427428
Conc: 3.98 ug/ml



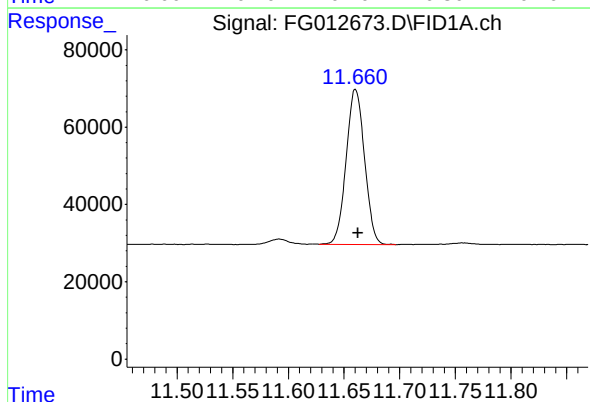
#7 n-Hexadecane (C16)

R.T.: 10.213 min
Delta R.T.: -0.001 min
Response: 433305
Conc: 3.98 ug/ml

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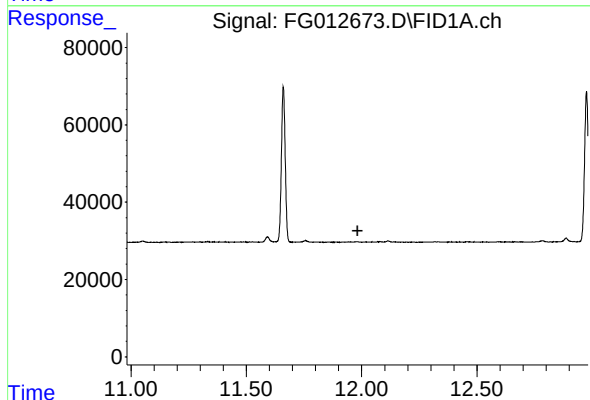
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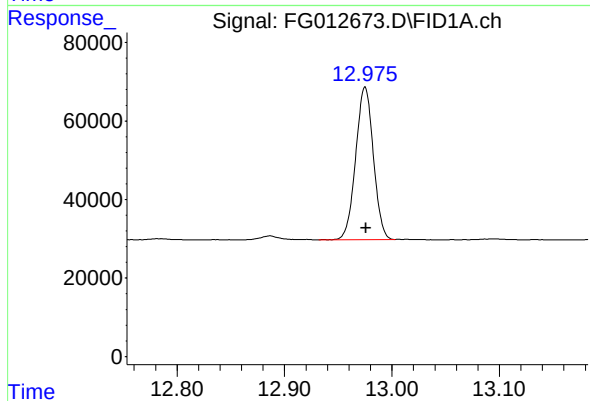
#8 n-Octadecane (C18)

R.T.: 11.660 min
Delta R.T.: -0.002 min
Response: 460515
Conc: 4.17 ug/ml



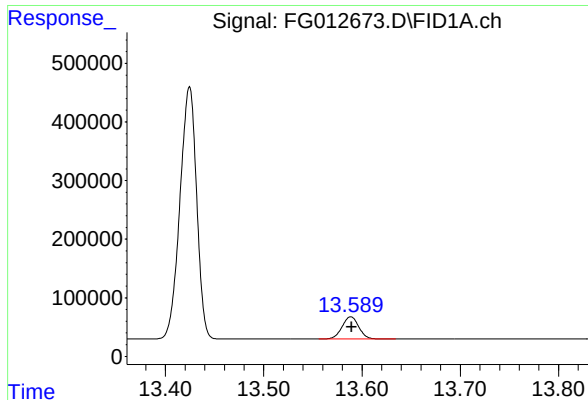
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.982 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.975 min
Delta R.T.: 0.000 min
Response: 444266
Conc: 4.03 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.589 min
Delta R.T.: 0.000 min
Response: 446131
Conc: 4.04 ug/ml

Instrument :

FID_G

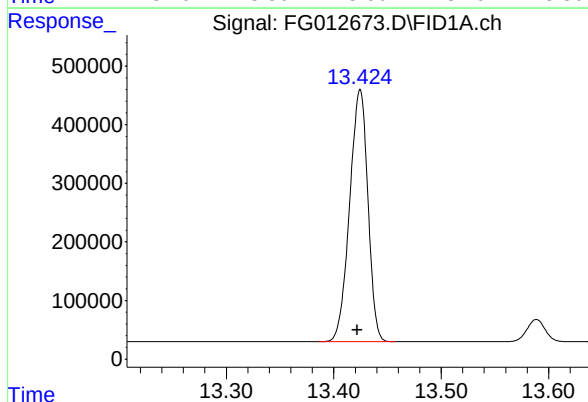
ClientSampleId :

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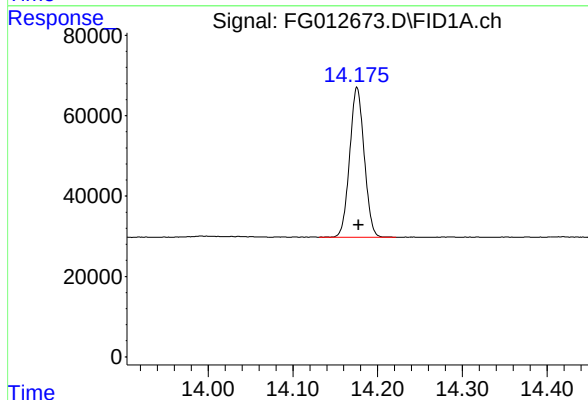
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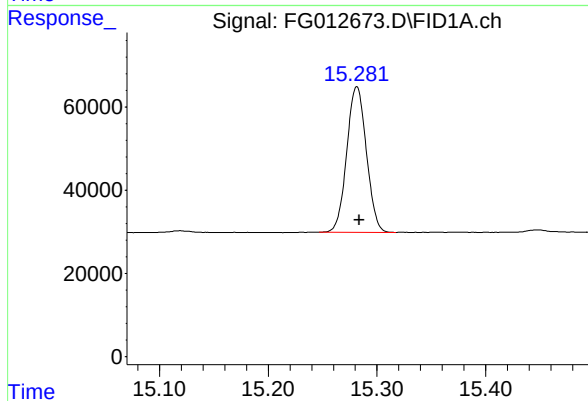
#12 1-chlorooctadecane (SURR)

R.T.: 13.425 min
Delta R.T.: 0.003 min
Response: 5079430
Conc: 48.70 ug/ml



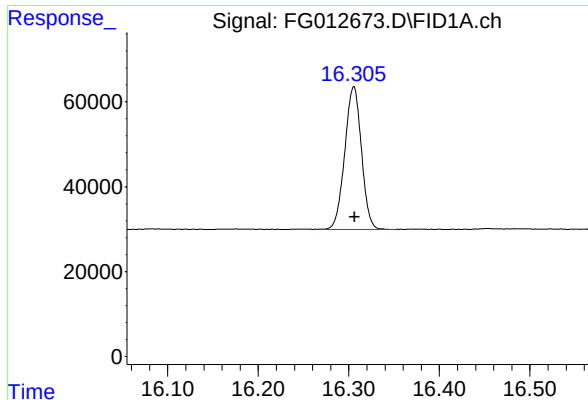
#13 n-Docosane (C22)

R.T.: 14.176 min
Delta R.T.: -0.002 min
Response: 445731
Conc: 4.07 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.282 min
Delta R.T.: -0.002 min
Response: 439511
Conc: 4.07 ug/ml



#15 n-Hexacosane (C26)

R.T.: 16.306 min
Delta R.T.: 0.000 min
Response: 430482
Conc: 4.10 ug/ml

Instrument :

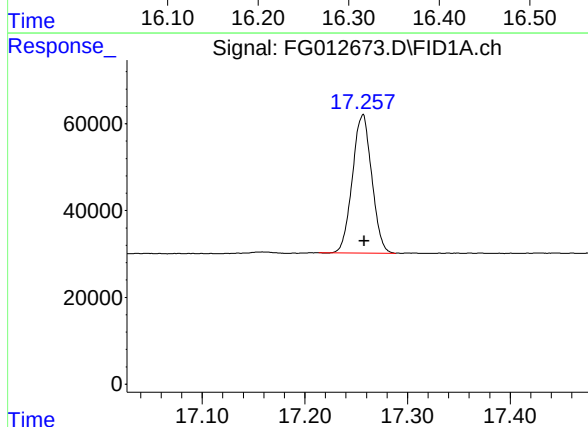
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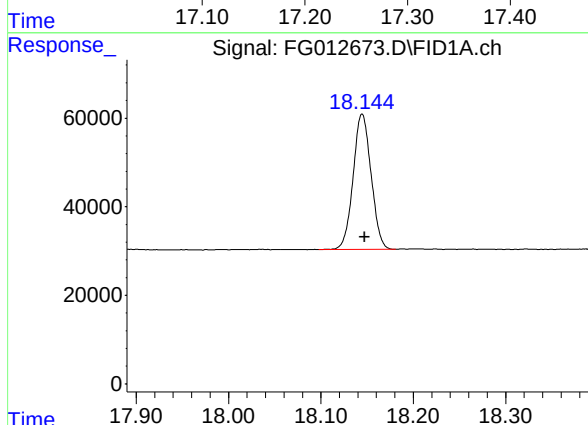
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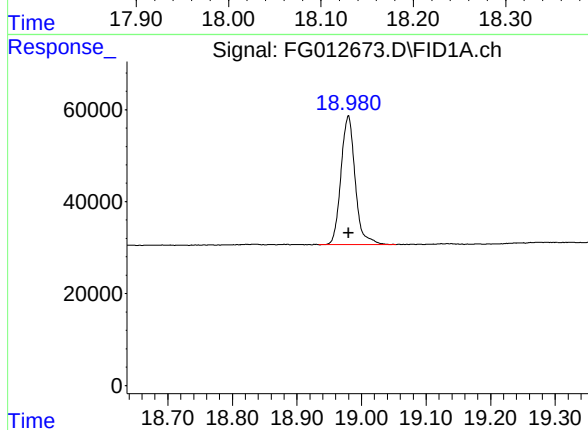
#16 n-Octacosane (C28)

R.T.: 17.257 min
Delta R.T.: -0.001 min
Response: 418042
Conc: 4.13 ug/ml



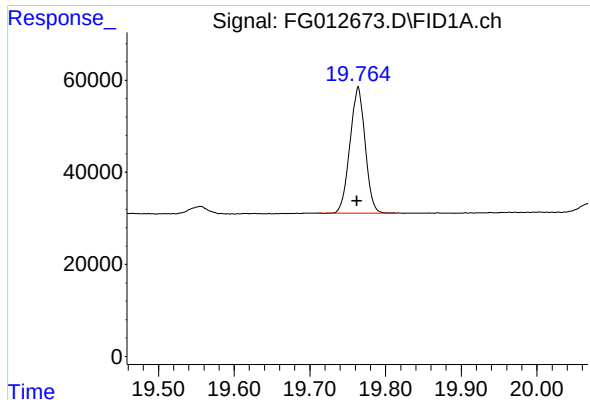
#17 n-Tricontane (C30)

R.T.: 18.145 min
Delta R.T.: -0.002 min
Response: 412868
Conc: 4.14 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.980 min
Delta R.T.: 0.000 min
Response: 428706
Conc: 4.34 ug/ml



#19 n-Tetratriacontane (C34)

R.T.: 19.764 min
Delta R.T.: 0.002 min
Response: 383662
Conc: 4.17 ug/ml

Instrument :

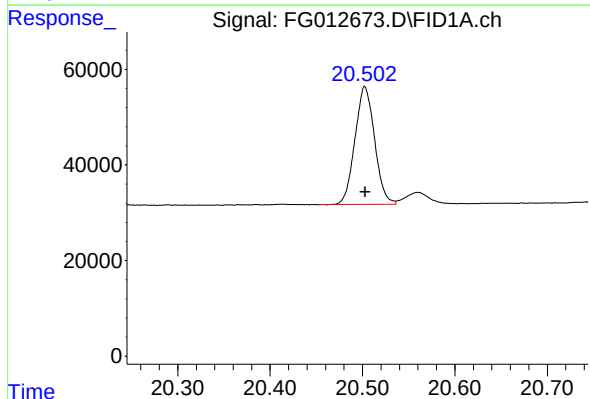
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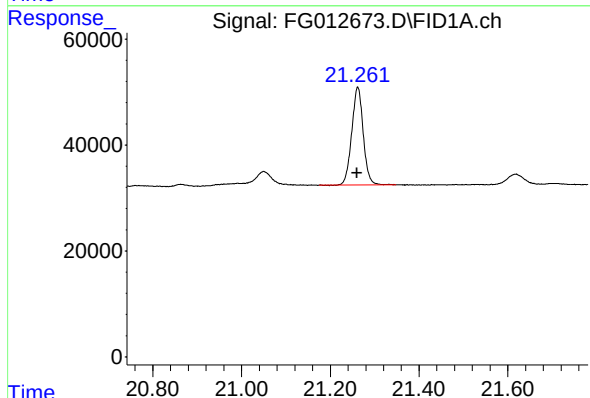
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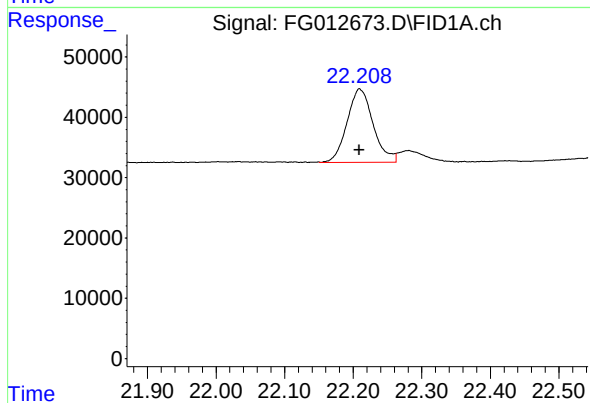
#20 n-Hexatriacontane (C36)

R.T.: 20.502 min
Delta R.T.: 0.000 min
Response: 364262
Conc: 4.06 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.262 min
Delta R.T.: 0.002 min
Response: 331825
Conc: 3.91 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.208 min
Delta R.T.: 0.000 min
Response: 322600
Conc: 3.95 ug/ml m