

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG100225AL\
 Data File : FG016753.D
 Signal(s) : FID1A.ch
 Acq On : 02 Oct 2025 23:54
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/03/2025
 Supervised By :mohammad ahmed 10/04/2025

Integration File: autoint1.e
 Quant Time: Oct 03 03:05:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 03 03:03:56 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)	12.045	826619	5.686 ug/ml
Spiked Amount 50.000		Recovery =	11.37%
12) S 1-chlorooctadecane (S...	13.492	643703	5.655 ug/ml
Spiked Amount 50.000		Recovery =	11.31%
Target Compounds			
1) T n-Nonane (C9)	3.373	652471	5.598 ug/ml
2) T n-Decane (C10)	4.633	662523	5.576 ug/ml
3) T A~Naphthalene (C11.7)	6.351	649839	5.178 ug/ml
4) T n-Dodecane (C12)	6.813	663712	5.523 ug/ml
5) T A~2-methylnaphthalene...	7.454	556329	4.715 ug/ml
6) T n-Tetradecane (C14)	8.653	627593	5.265 ug/ml
7) T n-Hexadecane (C16)	10.272	667292	5.315 ug/ml
8) T n-Octadecane (C18)	11.724	731087	5.560 ug/ml
10) T n-Eicosane (C20)	13.042	755137	5.799 ug/ml
11) T n-Heneicosane (C21)	13.658	744793	5.758 ug/ml
13) T n-Docosane (C22)	14.249	787139	6.058 ug/ml
14) T n-Tetracosane (C24)	15.359	872981	6.637 ug/mlm
15) T n-Hexacosane (C26)	16.387	905795	6.942 ug/ml
16) T n-Octacosane (C28)	17.344	925123	7.285 ug/ml
17) T n-Tricontane (C30)	18.236	951917	7.549 ug/ml
18) T n-Dotriacontane (C32)	19.073	923421	7.796 ug/ml
19) T n-Tetratriacontane (C34)	19.862	776239	7.311 ug/ml
20) T n-Hexatriacontane (C36)	20.605	612533	6.749 ug/ml
21) T n-Octatriacontane (C38)	21.384	520228	6.372 ug/ml
22) T n-Tetracontane (C40)	22.371	463379	6.175 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Data File : FG016753.D
Signal(s) : FID1A.ch
Acq On : 02 Oct 2025 23:54
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

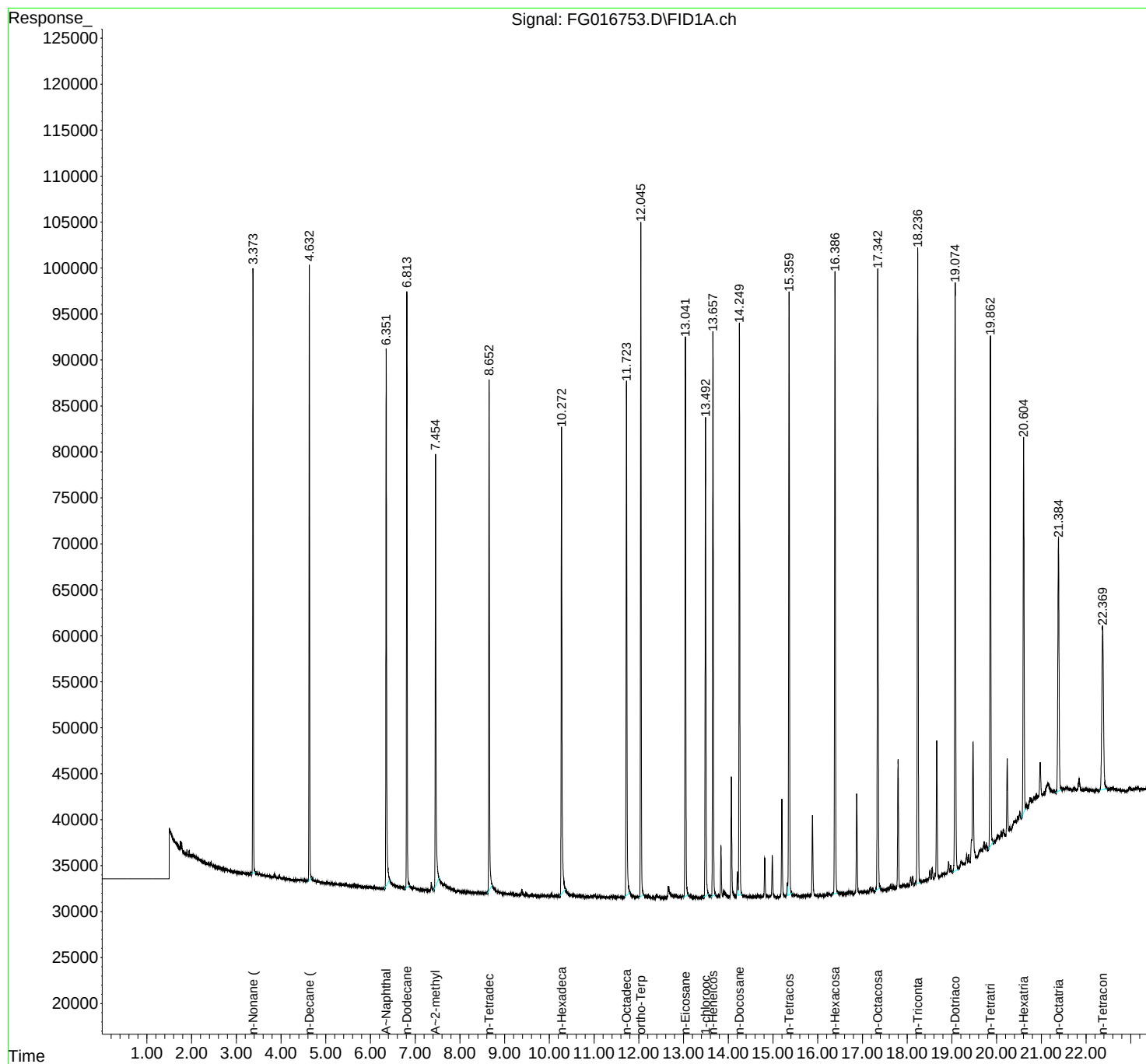
Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

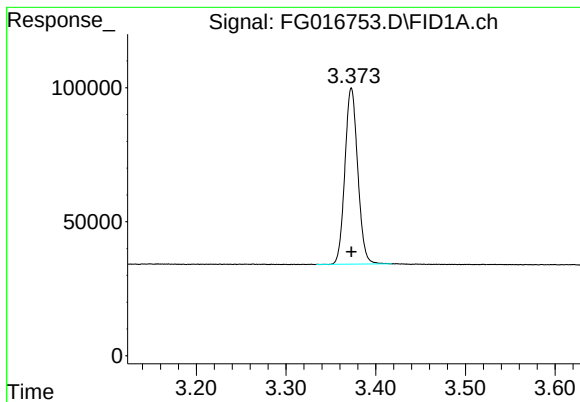
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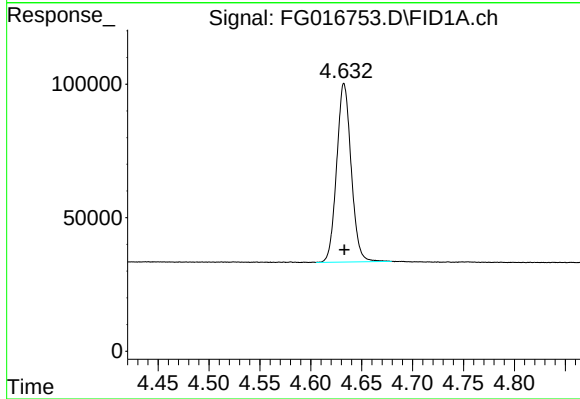
#1 n-Nonane (C9)

R.T.: 3.373 min
Delta R.T.: 0.000 min
Response: 652471
Conc: 5.60 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

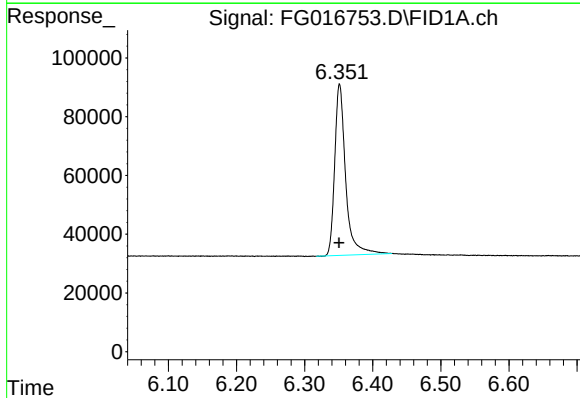
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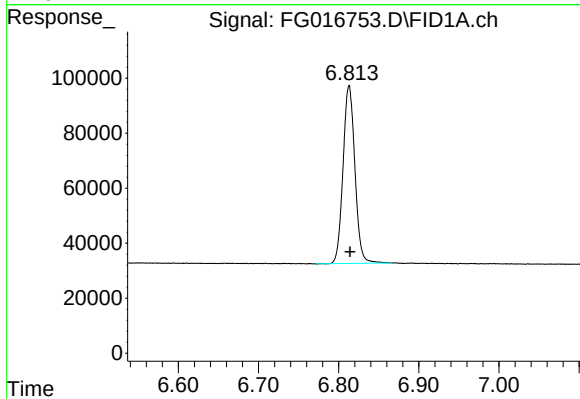
#2 n-Decane (C10)

R.T.: 4.633 min
Delta R.T.: 0.000 min
Response: 662523
Conc: 5.58 ug/ml



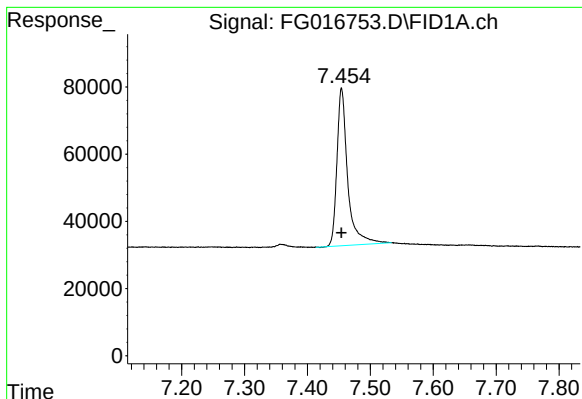
#3 A~Naphthalene (C11.7)

R.T.: 6.351 min
Delta R.T.: 0.000 min
Response: 649839
Conc: 5.18 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.813 min
Delta R.T.: -0.001 min
Response: 663712
Conc: 5.52 ug/ml



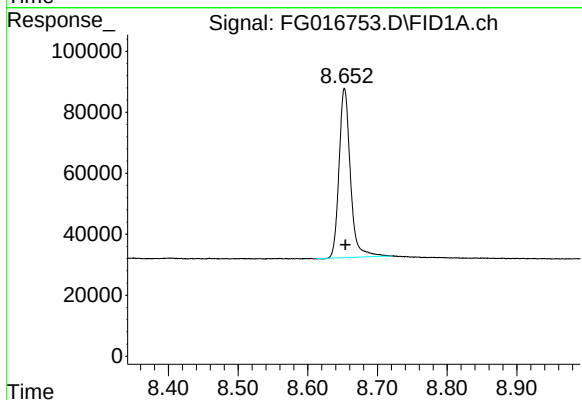
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 556329
Conc: 4.72 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

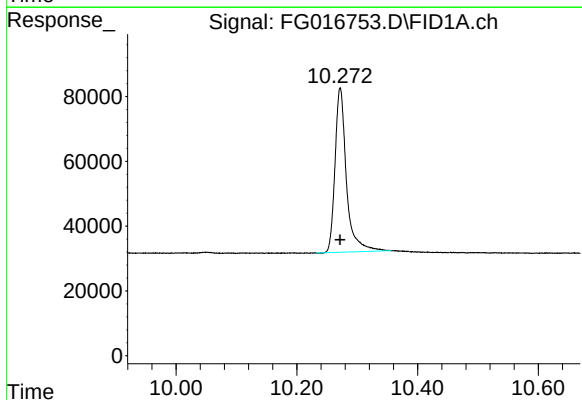
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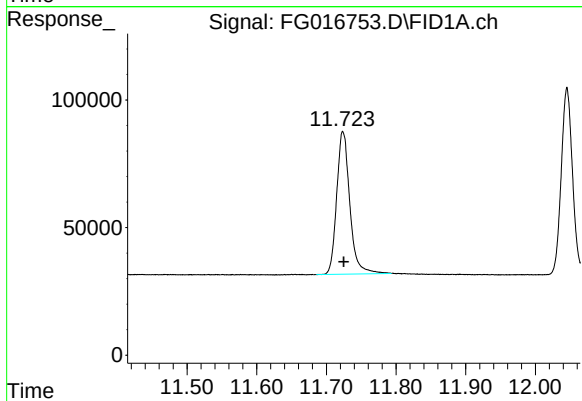
#6 n-Tetradecane (C14)

R.T.: 8.653 min
Delta R.T.: -0.001 min
Response: 627593
Conc: 5.26 ug/ml



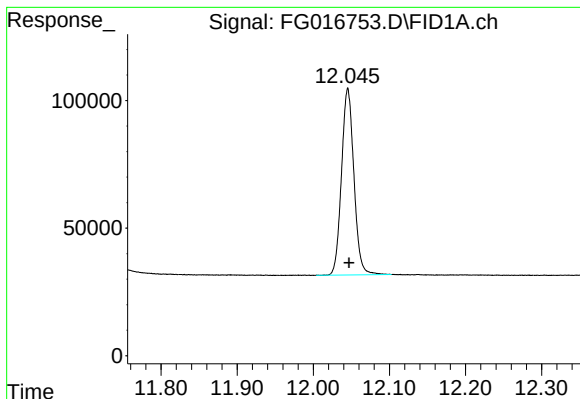
#7 n-Hexadecane (C16)

R.T.: 10.272 min
Delta R.T.: 0.000 min
Response: 667292
Conc: 5.31 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.724 min
Delta R.T.: -0.001 min
Response: 731087
Conc: 5.56 ug/ml



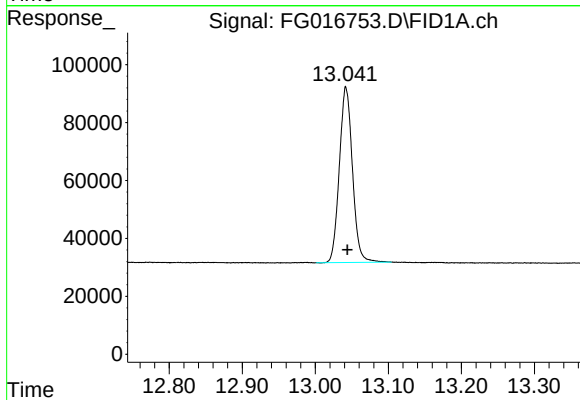
#9 ortho-Terphenyl (SURR)

R.T.: 12.045 min
Delta R.T.: -0.002 min
Response: 826619
Conc: 5.69 ug/ml

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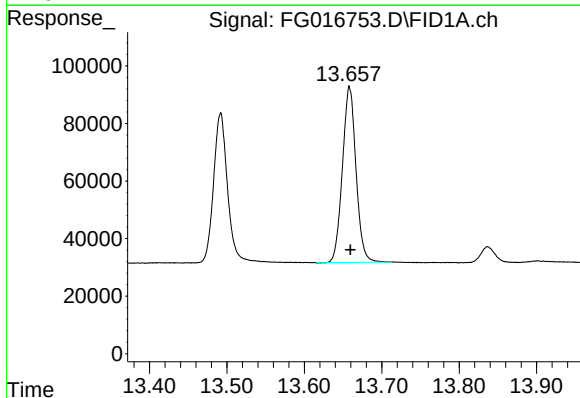
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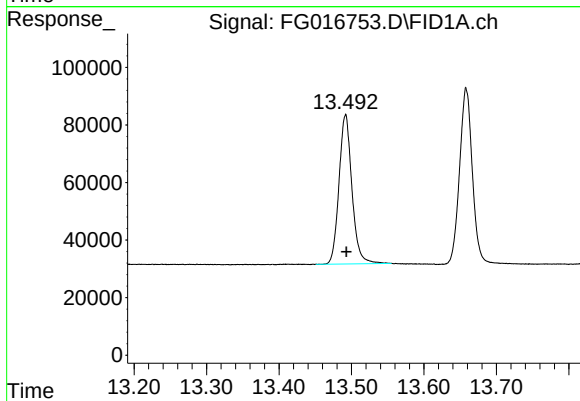
#10 n-Eicosane (C20)

R.T.: 13.042 min
Delta R.T.: -0.002 min
Response: 755137
Conc: 5.80 ug/ml



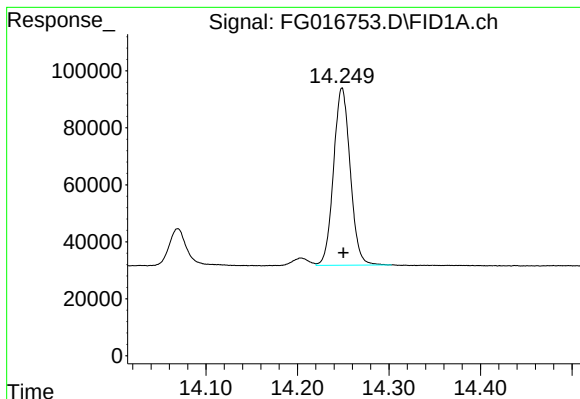
#11 n-Heneicosane (C21)

R.T.: 13.658 min
Delta R.T.: -0.001 min
Response: 744793
Conc: 5.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.492 min
Delta R.T.: -0.001 min
Response: 643703
Conc: 5.65 ug/ml



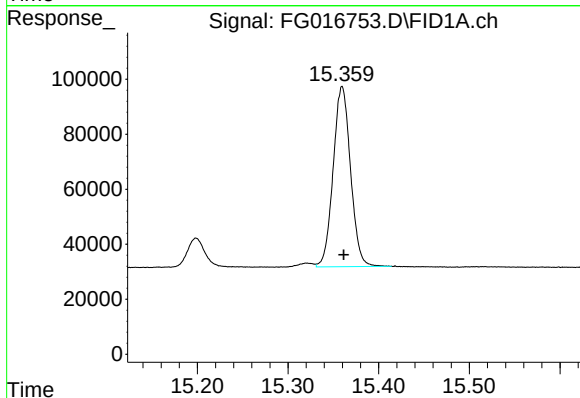
#13 n-Docosane (C22)

R.T.: 14.249 min
Delta R.T.: -0.001 min
Response: 787139
Conc: 6.06 ug/ml

Instrument :
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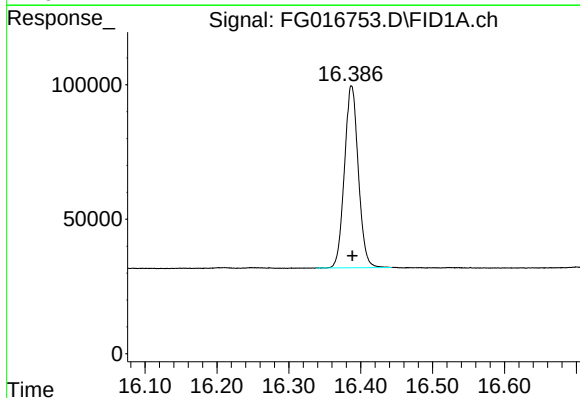
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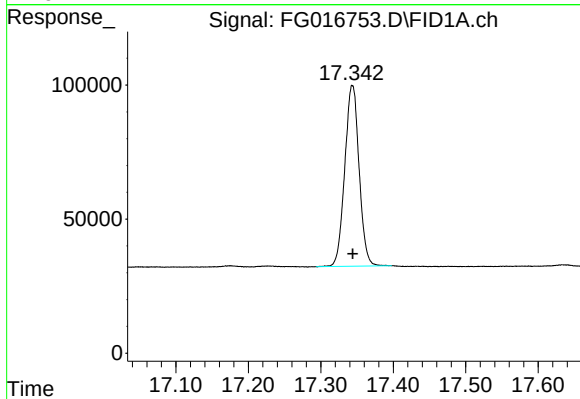
#14 n-Tetracosane (C24)

R.T.: 15.359 min
Delta R.T.: -0.002 min
Response: 872981
Conc: 6.64 ug/ml m



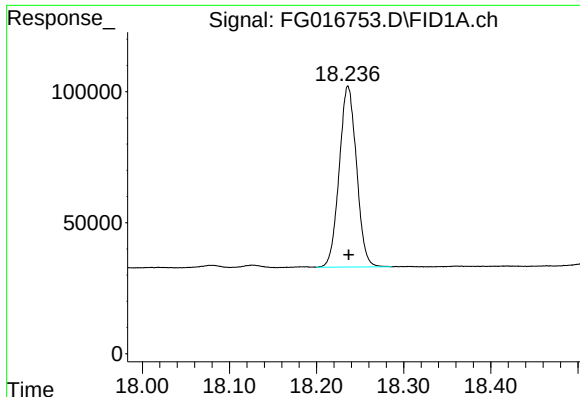
#15 n-Hexacosane (C26)

R.T.: 16.387 min
Delta R.T.: -0.001 min
Response: 905795
Conc: 6.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.344 min
Delta R.T.: 0.000 min
Response: 925123
Conc: 7.28 ug/ml



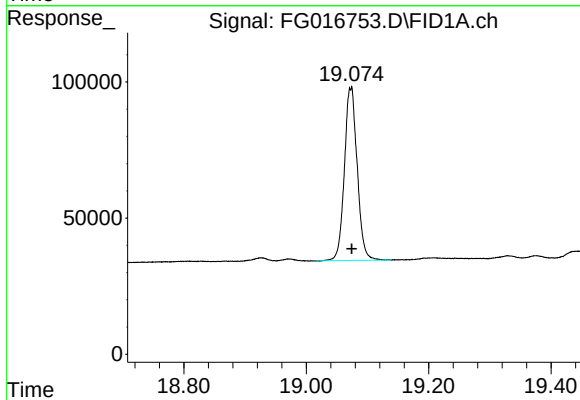
#17 n-Tricontane (C30)

R.T.: 18.236 min
Delta R.T.: 0.000 min
Response: 951917
Conc: 7.55 ug/ml

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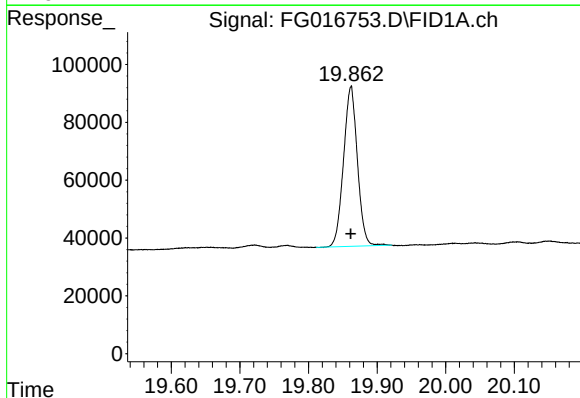
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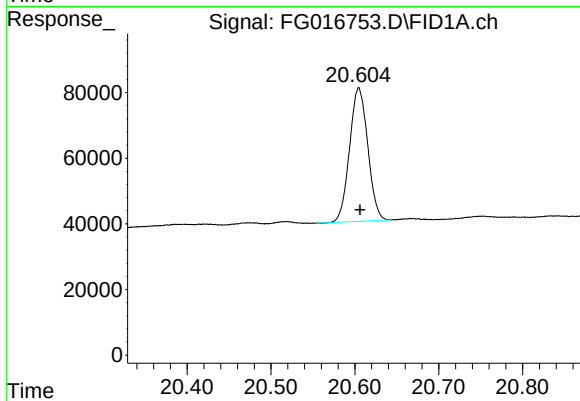
#18 n-Dotriacontane (C32)

R.T.: 19.073 min
Delta R.T.: -0.001 min
Response: 923421
Conc: 7.80 ug/ml



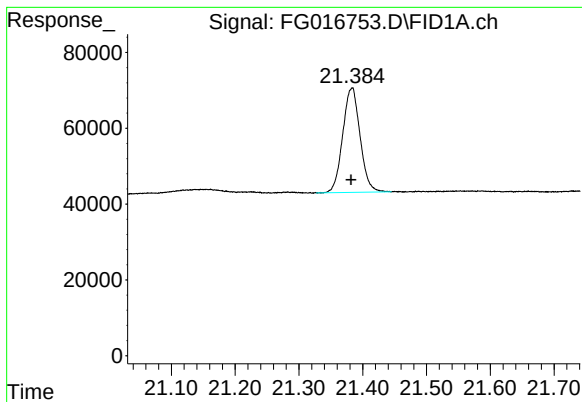
#19 n-Tetratriacontane (C34)

R.T.: 19.862 min
Delta R.T.: 0.000 min
Response: 776239
Conc: 7.31 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.605 min
Delta R.T.: -0.002 min
Response: 612533
Conc: 6.75 ug/ml



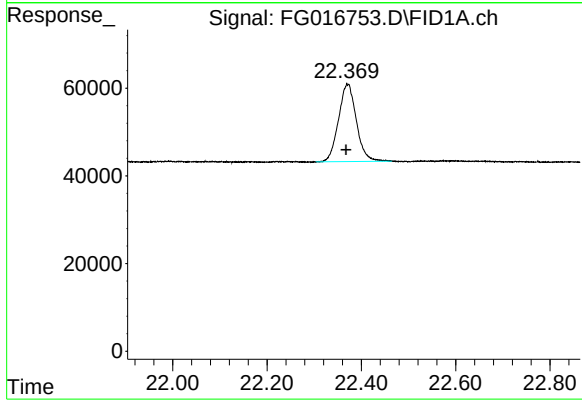
#21 n-Octatriacontane (C38)

R.T.: 21.384 min
Delta R.T.: 0.002 min
Response: 520228
Conc: 6.37 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.371 min
Delta R.T.: 0.004 min
Response: 463379
Conc: 6.18 ug/ml