

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG100725AL\
 Data File : FG016768.D
 Signal(s) : FID1A.ch
 Acq On : 07 Oct 2025 18:42
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/08/2025
 Supervised By :mohammad ahmed 10/09/2025

Integration File: autoint1.e
 Quant Time: Oct 08 04:53:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 03 03:11:55 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)	12.055	2772207	17.752 ug/ml
Spiked Amount 50.000		Recovery =	35.50%
12) S 1-chlorooctadecane (S...	13.500	2132498	17.437 ug/ml
Spiked Amount 50.000		Recovery =	34.87%
Target Compounds			
1) T n-Nonane (C9)	3.376	2246641	18.110 ug/ml
2) T n-Decane (C10)	4.637	2320904	18.343 ug/ml
3) T A~Naphthalene (C11.7)	6.356	2443214	18.423 ug/ml
4) T n-Dodecane (C12)	6.818	2354333	18.406 ug/ml
5) T A~2-methylnaphthalene...	7.460	2304242	18.705 ug/ml
6) T n-Tetradecane (C14)	8.659	2333511	18.479 ug/ml
7) T n-Hexadecane (C16)	10.278	2437894	18.293 ug/ml
8) T n-Octadecane (C18)	11.731	2527643	17.970 ug/ml
10) T n-Eicosane (C20)	13.051	2479260	17.632 ug/ml
11) T n-Heneicosane (C21)	13.668	2444278	17.525 ug/ml
13) T n-Docosane (C22)	14.258	2461198	17.323 ug/ml
14) T n-Tetracosane (C24)	15.369	2499993	16.886 ug/ml
15) T n-Hexacosane (C26)	16.398	2437296	16.387 ug/ml
16) T n-Octacosane (C28)	17.355	2418455	16.393 ug/ml
17) T n-Tricontane (C30)	18.248	2557934	17.195 ug/ml
18) T n-Dotriacontane (C32)	19.085	2546566	17.964 ug/mlm
19) T n-Tetratriacontane (C34)	19.874	2243711	18.072 ug/mlm
20) T n-Hexatriacontane (C36)	20.618	1855517	18.001 ug/mlm
21) T n-Octatriacontane (C38)	21.397	1638660	18.004 ug/mlm
22) T n-Tetracontane (C40)	22.389	1714973	20.431 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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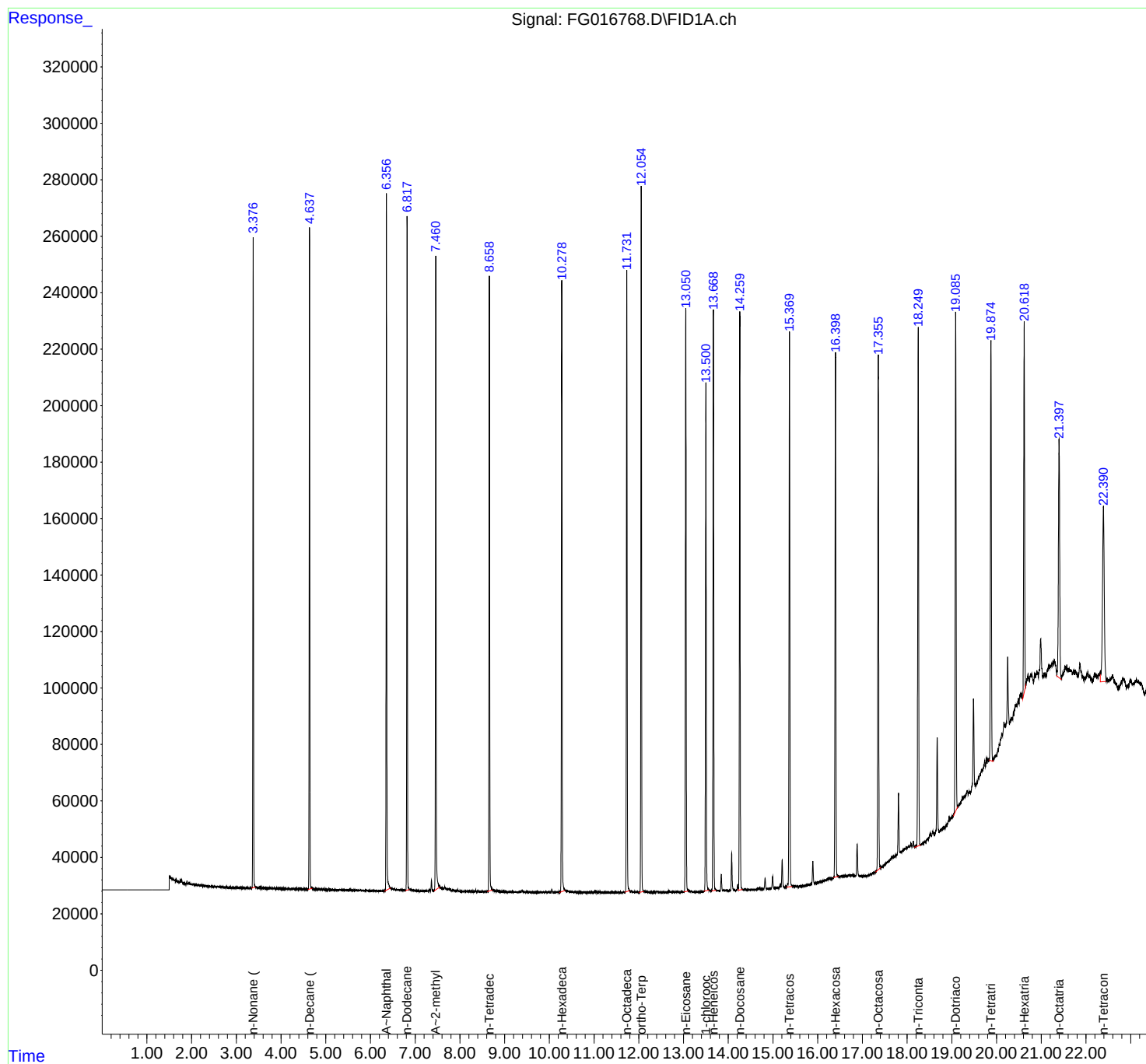
Instrument :
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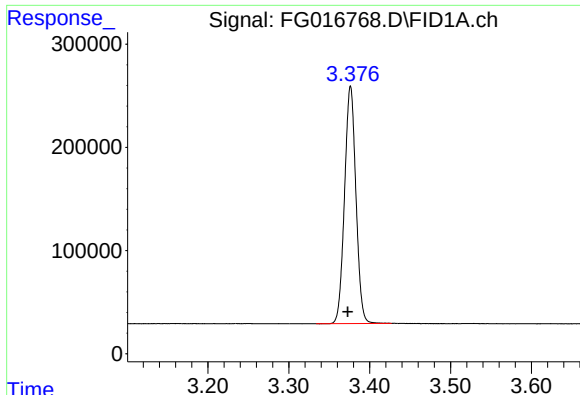
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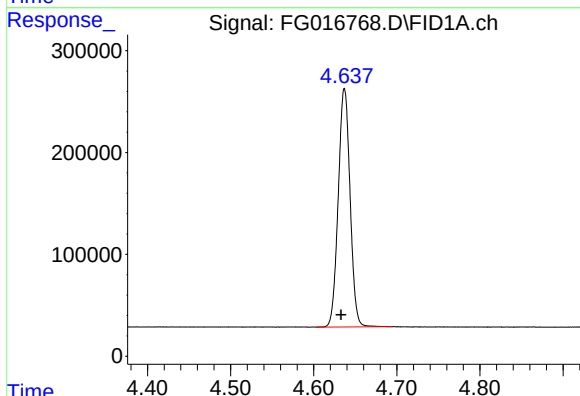
#1 n-Nonane (C9)

R.T.: 3.376 min
Delta R.T.: 0.003 min
Response: 2246641
Conc: 18.11 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

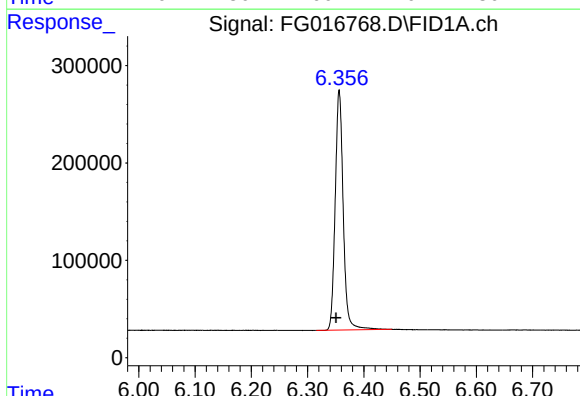
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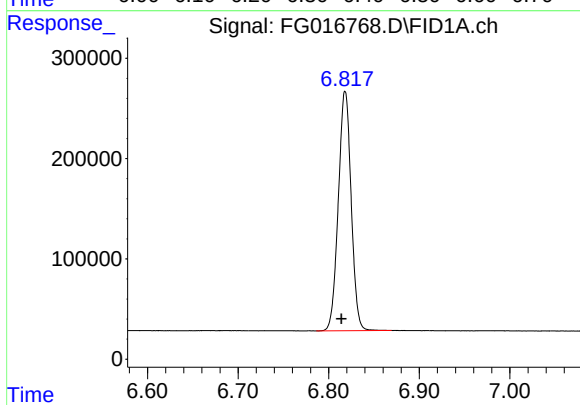
#2 n-Decane (C10)

R.T.: 4.637 min
Delta R.T.: 0.004 min
Response: 2320904
Conc: 18.34 ug/ml



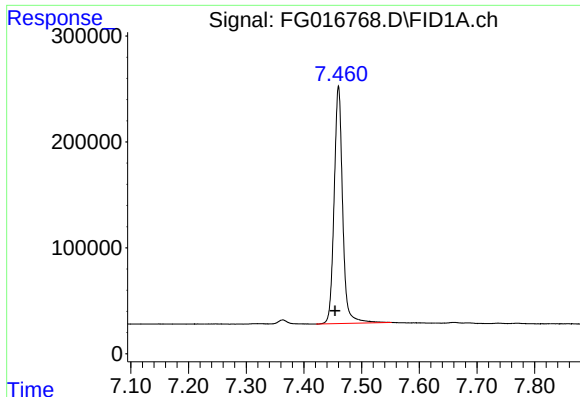
#3 A~Naphthalene (C11.7)

R.T.: 6.356 min
Delta R.T.: 0.006 min
Response: 2443214
Conc: 18.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.818 min
Delta R.T.: 0.004 min
Response: 2354333
Conc: 18.41 ug/ml



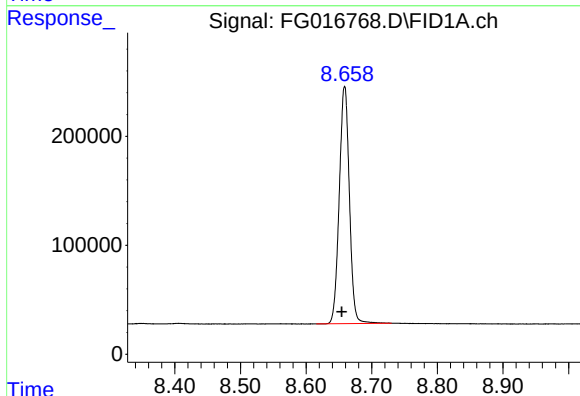
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.460 min
Delta R.T.: 0.006 min
Response: 2304242
Conc: 18.70 ug/ml

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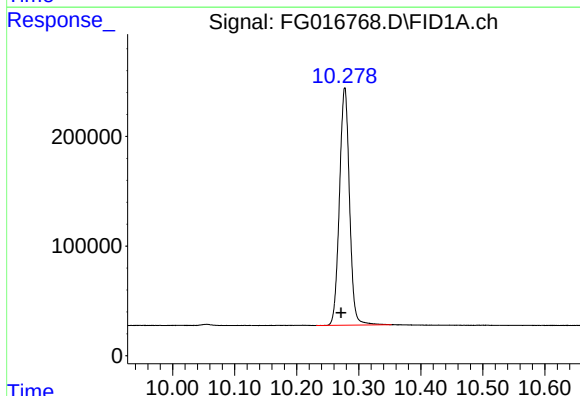
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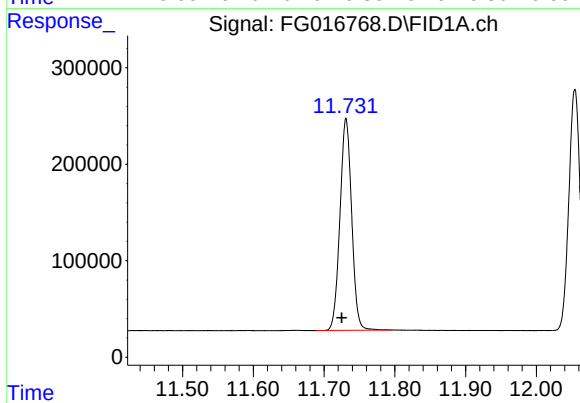
#6 n-Tetradecane (C14)

R.T.: 8.659 min
Delta R.T.: 0.005 min
Response: 2333511
Conc: 18.48 ug/ml



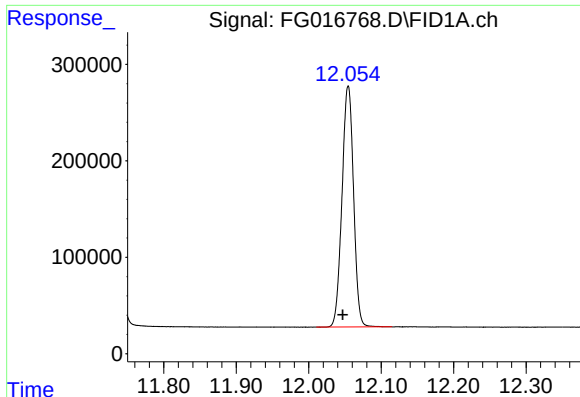
#7 n-Hexadecane (C16)

R.T.: 10.278 min
Delta R.T.: 0.006 min
Response: 2437894
Conc: 18.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.731 min
Delta R.T.: 0.006 min
Response: 2527643
Conc: 17.97 ug/ml



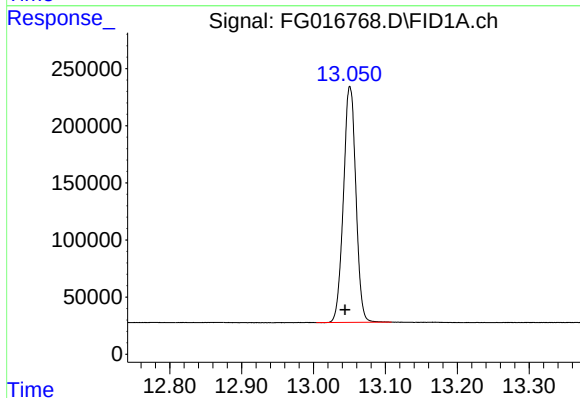
#9 ortho-Terphenyl (SURR)

R.T.: 12.055 min
Delta R.T.: 0.008 min
Response: 2772207
Conc: 17.75 ug/ml

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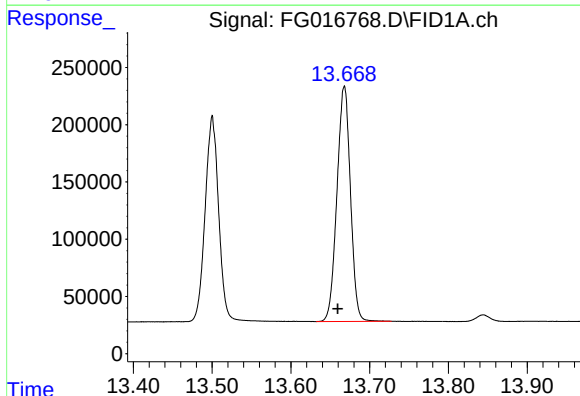
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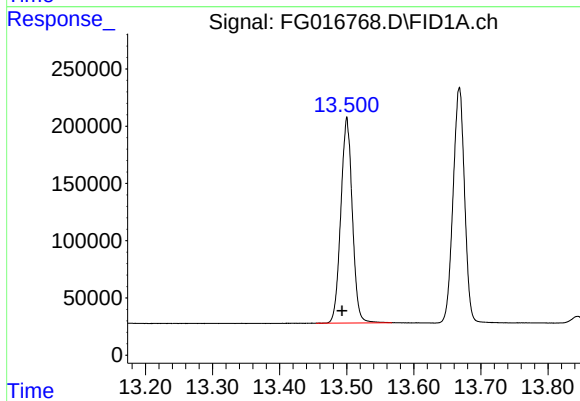
#10 n-Eicosane (C20)

R.T.: 13.051 min
Delta R.T.: 0.007 min
Response: 2479260
Conc: 17.63 ug/ml



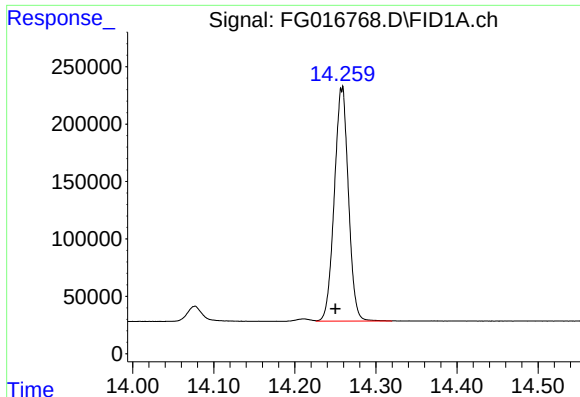
#11 n-Heneicosane (C21)

R.T.: 13.668 min
Delta R.T.: 0.008 min
Response: 2444278
Conc: 17.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.500 min
Delta R.T.: 0.007 min
Response: 2132498
Conc: 17.44 ug/ml



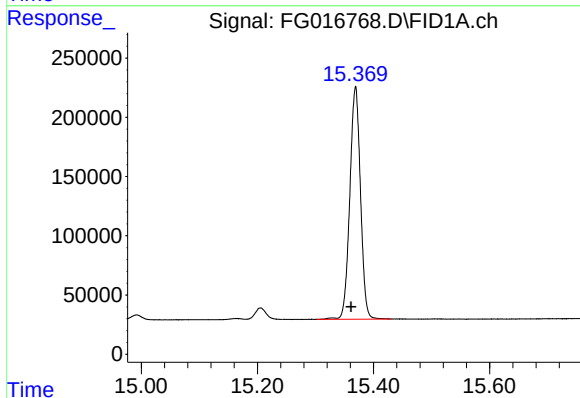
#13 n-Docosane (C22)

R.T.: 14.258 min
Delta R.T.: 0.008 min
Response: 2461198
Conc: 17.32 ug/ml

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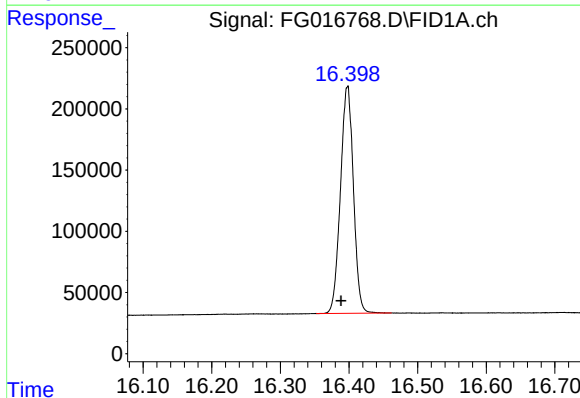
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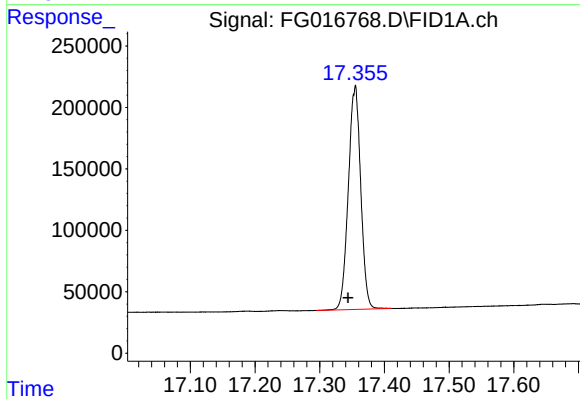
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: 0.008 min
Response: 2499993
Conc: 16.89 ug/ml



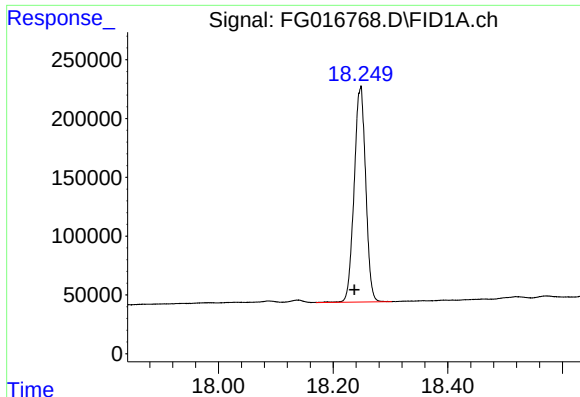
#15 n-Hexacosane (C26)

R.T.: 16.398 min
Delta R.T.: 0.009 min
Response: 2437296
Conc: 16.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.355 min
Delta R.T.: 0.011 min
Response: 2418455
Conc: 16.39 ug/ml



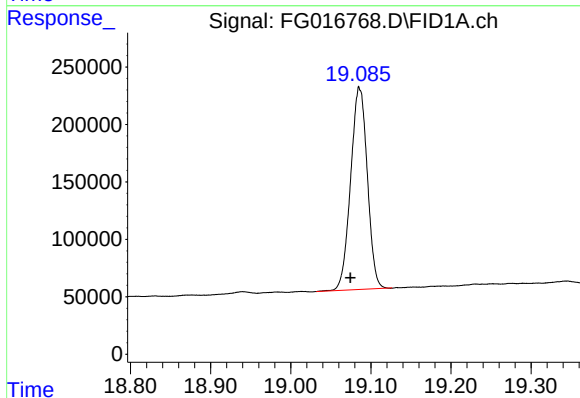
#17 n-Tricontane (C30)

R.T.: 18.248 min
Delta R.T.: 0.011 min
Response: 2557934
Conc: 17.19 ug/ml

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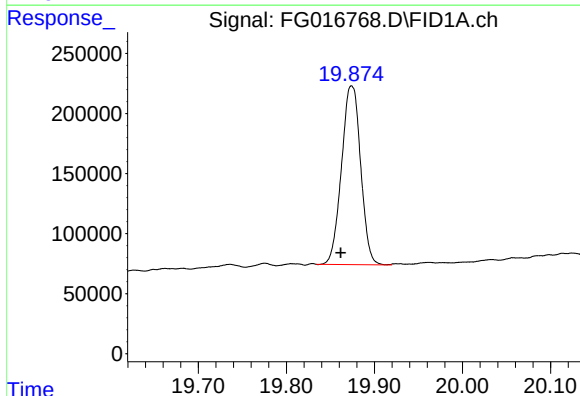
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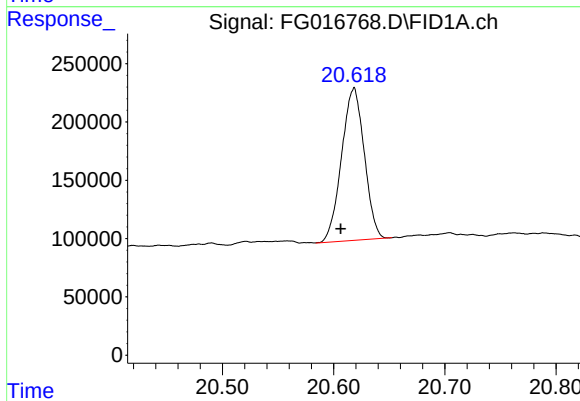
#18 n-Dotriacontane (C32)

R.T.: 19.085 min
Delta R.T.: 0.010 min
Response: 2546566
Conc: 17.96 ug/ml m



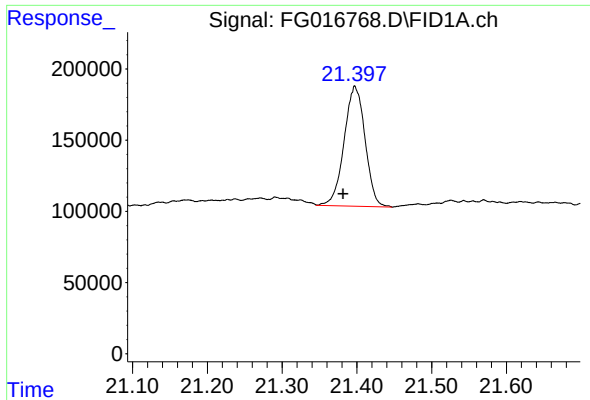
#19 n-Tetratriacontane (C34)

R.T.: 19.874 min
Delta R.T.: 0.012 min
Response: 2243711
Conc: 18.07 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.618 min
Delta R.T.: 0.012 min
Response: 1855517
Conc: 18.00 ug/ml m



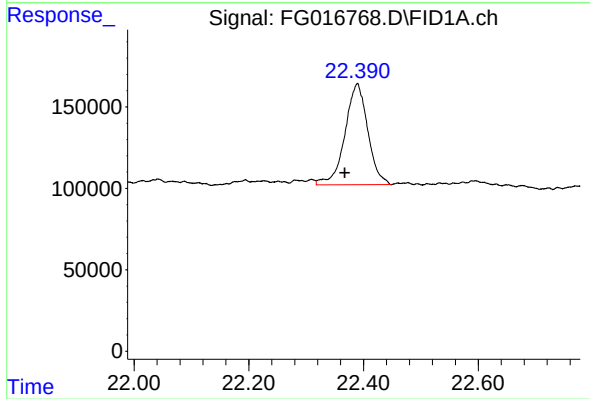
#21 n-Octatriacontane (C38)

R.T.: 21.397 min
Delta R.T.: 0.015 min
Response: 1638660
Conc: 18.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.389 min
Delta R.T.: 0.022 min
Response: 1714973
Conc: 20.43 ug/ml