

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100225AL\
 Data File : FC069907.D
 Signal(s) : FID1A.ch
 Acq On : 01 Oct 2025 22:58
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

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 04:33:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 092325.M
 Quant Title : GC Extractables
 Qlast Update : Tue Sep 23 14:56:40 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)	11.643	3855081	20.582 ug/ml
Spiked Amount 50.000		Recovery =	41.16%
12) S 1-chlorooctadecane (S...	13.078	3017379	19.107 ug/ml
Spiked Amount 50.000		Recovery =	38.21%
Target Compounds			
1) T n-Nonane (C9)	3.385	2796913	21.818 ug/ml
2) T n-Decane (C10)	4.456	2999436	22.573 ug/ml
3) T A~Naphthalene (C11.7)	6.048	3386484	22.813 ug/ml
4) T n-Dodecane (C12)	6.478	3214669	23.045 ug/ml
5) T A~2-methylnaphthalene...	7.106	3383559	22.917 ug/ml
6) T n-Tetradecane (C14)	8.274	3386764	22.834 ug/ml
7) T n-Hexadecane (C16)	9.878	3615984	21.911 ug/ml
8) T n-Octadecane (C18)	11.322	3700025	20.761 ug/ml
10) T n-Eicosane (C20)	12.632	3524387	19.568 ug/ml
11) T n-Heneicosane (C21)	13.244	3432126	19.034 ug/ml
13) T n-Docosane (C22)	13.832	3394377	18.684 ug/ml
14) T n-Tetracosane (C24)	14.934	3342636	18.166 ug/ml
15) T n-Hexacosane (C26)	15.956	3199738	17.623 ug/ml
16) T n-Octacosane (C28)	16.906	3151494	17.853 ug/ml
17) T n-Tricontane (C30)	17.795	3348257	19.130 ug/ml
18) T n-Dotriacontane (C32)	18.626	3211057	19.848 ug/mlm
19) T n-Tetratriacontane (C34)	19.411	2794562	19.996 ug/ml
20) T n-Hexatriacontane (C36)	20.150	1958765	17.350 ug/mlm
21) T n-Octatriacontane (C38)	20.906	1608567	16.675 ug/mlm
22) T n-Tetracontane (C40)	21.858	1405105	16.314 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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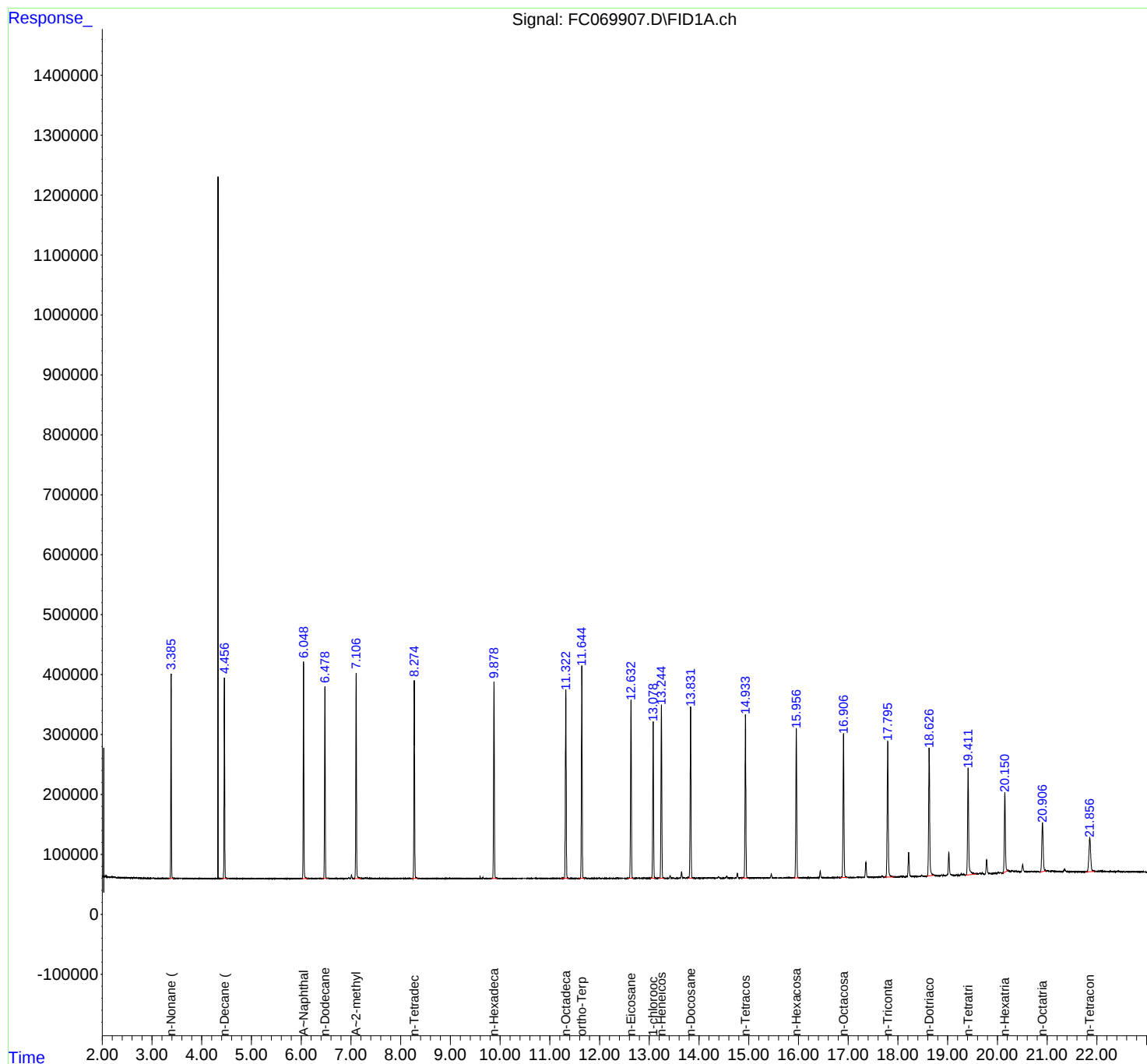
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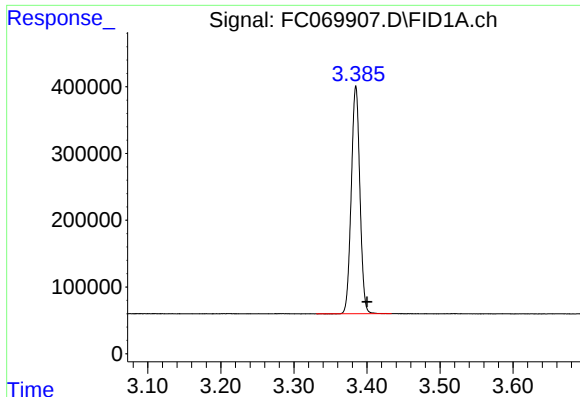
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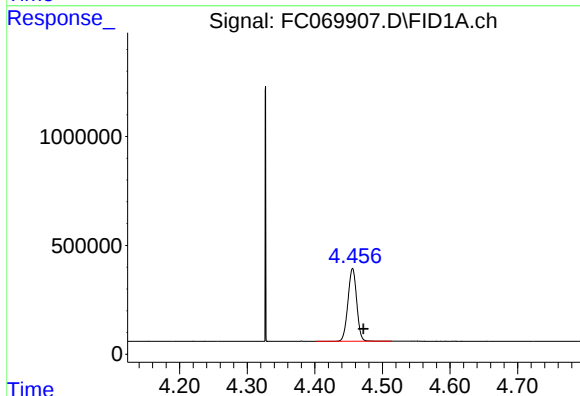
#1 n-Nonane (C9)

R.T.: 3.385 min
Delta R.T.: -0.015 min
Response: 2796913
Conc: 21.82 ug/ml

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20 PPM ALIPHATIC HC STD

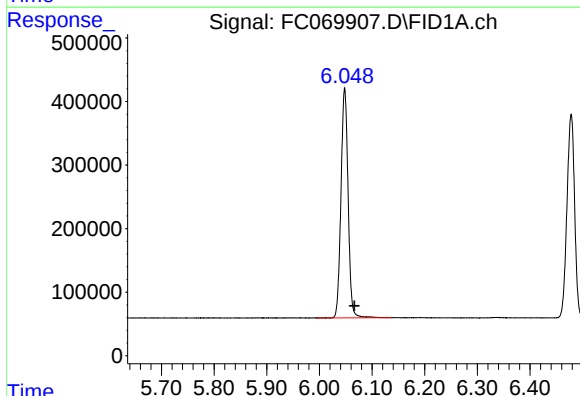
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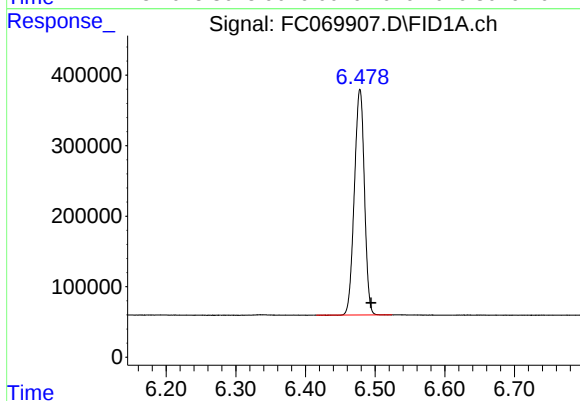
#2 n-Decane (C10)

R.T.: 4.456 min
Delta R.T.: -0.016 min
Response: 2999436
Conc: 22.57 ug/ml



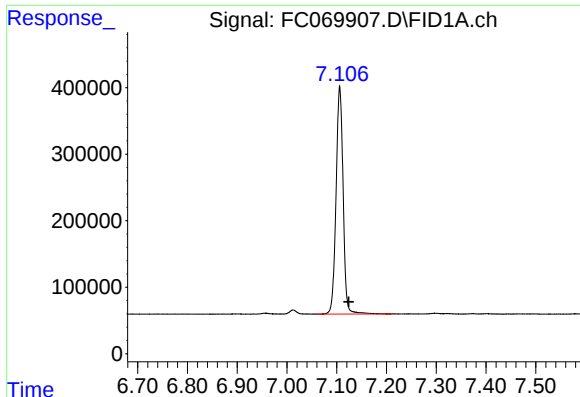
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min
Delta R.T.: -0.019 min
Response: 3386484
Conc: 22.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.478 min
Delta R.T.: -0.016 min
Response: 3214669
Conc: 23.04 ug/ml



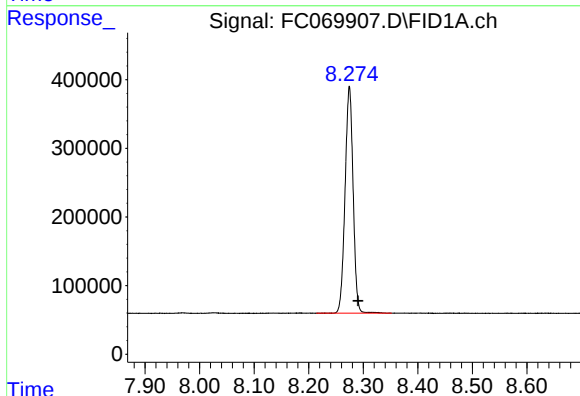
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.106 min
Delta R.T.: -0.018 min
Response: 3383559
Conc: 22.92 ug/ml

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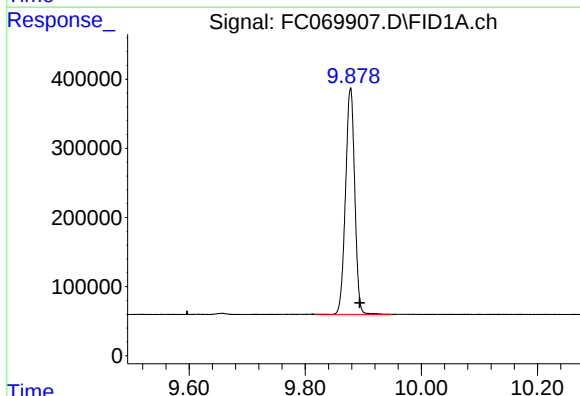
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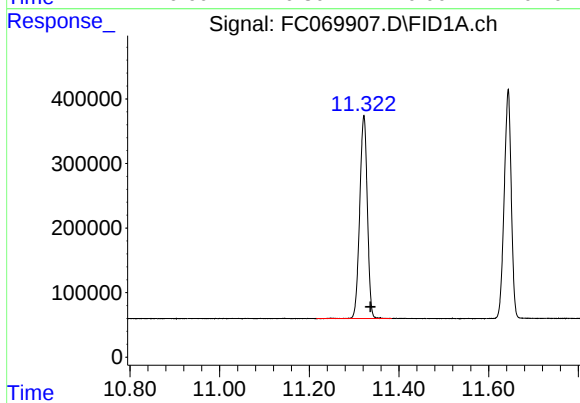
#6 n-Tetradecane (C14)

R.T.: 8.274 min
Delta R.T.: -0.016 min
Response: 3386764
Conc: 22.83 ug/ml



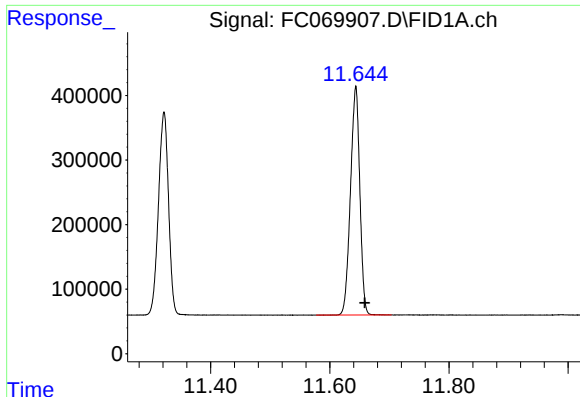
#7 n-Hexadecane (C16)

R.T.: 9.878 min
Delta R.T.: -0.016 min
Response: 3615984
Conc: 21.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.322 min
Delta R.T.: -0.015 min
Response: 3700025
Conc: 20.76 ug/ml



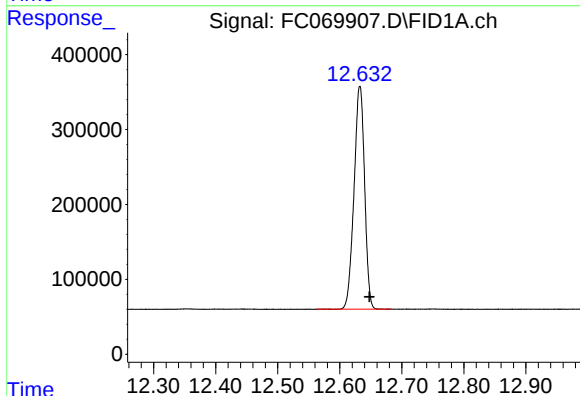
#9 ortho-Terphenyl (SURR)

R.T.: 11.643 min
Delta R.T.: -0.015 min
Response: 3855081
Conc: 20.58 ug/ml

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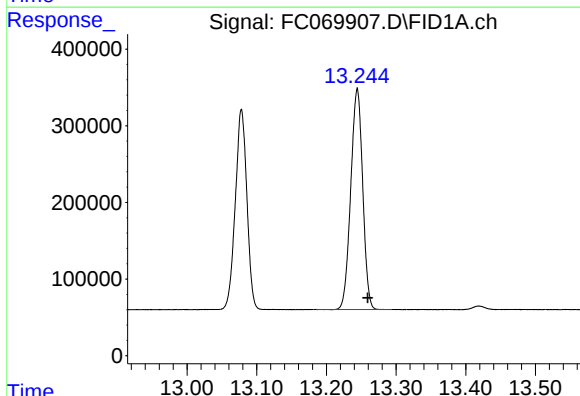
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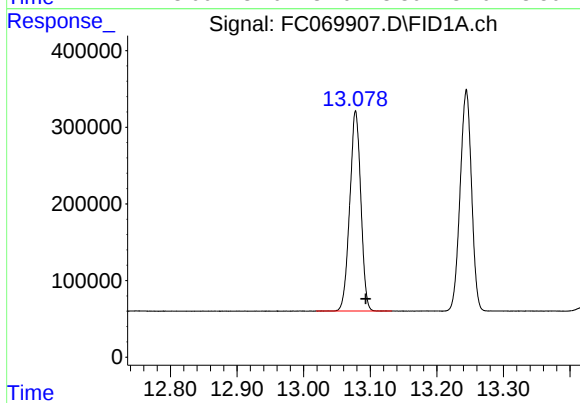
#10 n-Eicosane (C20)

R.T.: 12.632 min
Delta R.T.: -0.015 min
Response: 3524387
Conc: 19.57 ug/ml



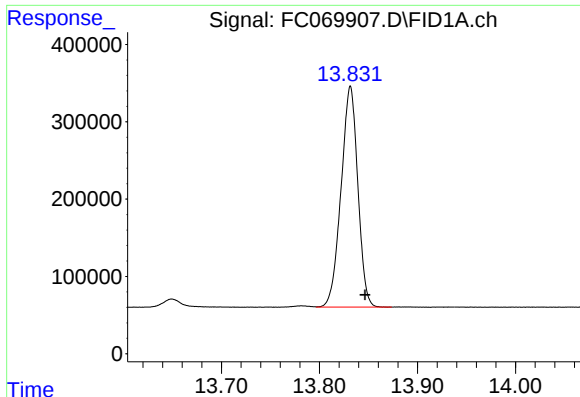
#11 n-Heneicosane (C21)

R.T.: 13.244 min
Delta R.T.: -0.015 min
Response: 3432126
Conc: 19.03 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.078 min
Delta R.T.: -0.015 min
Response: 3017379
Conc: 19.11 ug/ml



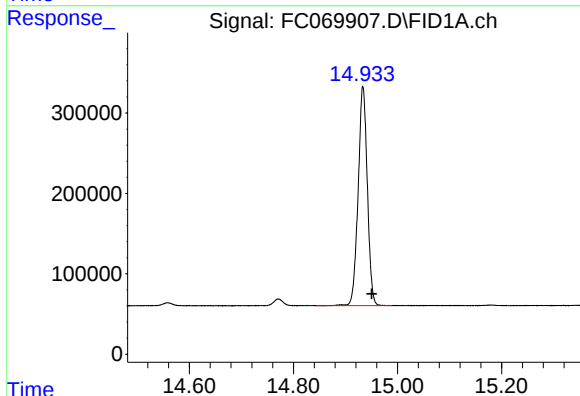
#13 n-Docosane (C22)

R.T.: 13.832 min
Delta R.T.: -0.015 min
Response: 3394377
Conc: 18.68 ug/ml

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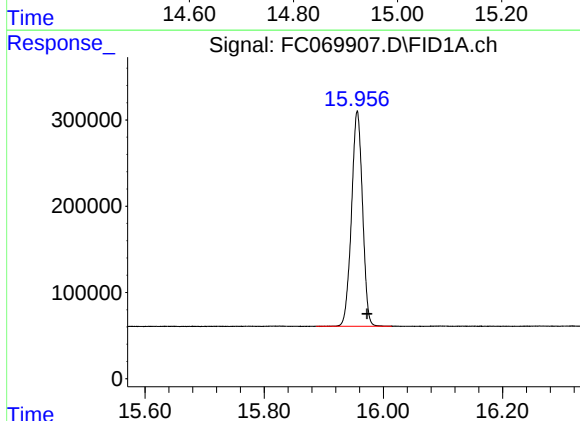
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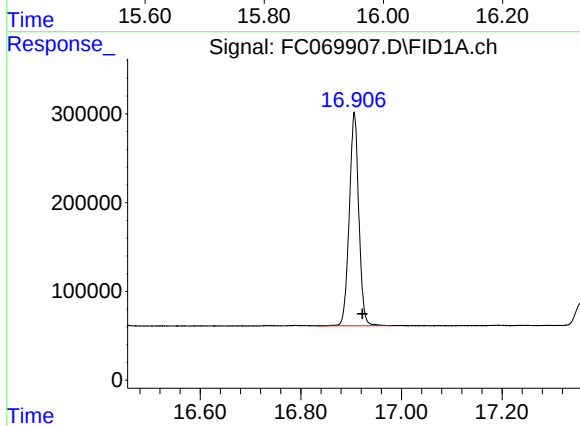
#14 n-Tetracosane (C24)

R.T.: 14.934 min
Delta R.T.: -0.017 min
Response: 3342636
Conc: 18.17 ug/ml



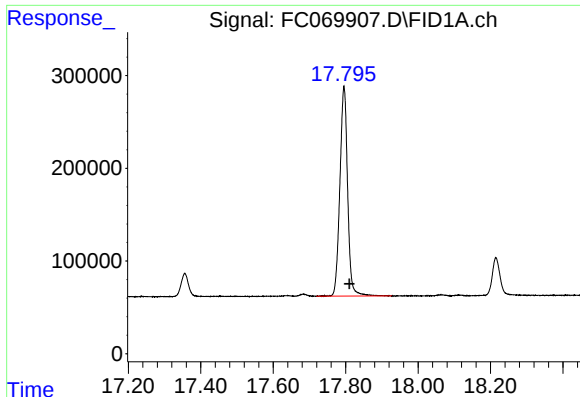
#15 n-Hexacosane (C26)

R.T.: 15.956 min
Delta R.T.: -0.016 min
Response: 3199738
Conc: 17.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.906 min
Delta R.T.: -0.016 min
Response: 3151494
Conc: 17.85 ug/ml



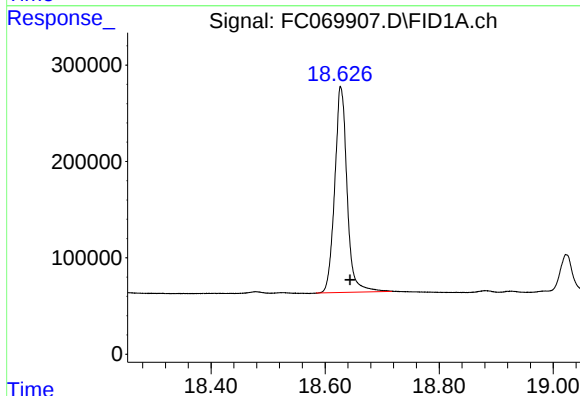
#17 n-Tricontane (C30)

R.T.: 17.795 min
Delta R.T.: -0.015 min
Response: 3348257
Conc: 19.13 ug/ml

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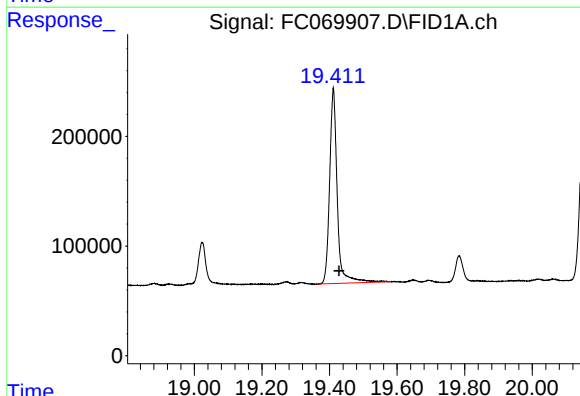
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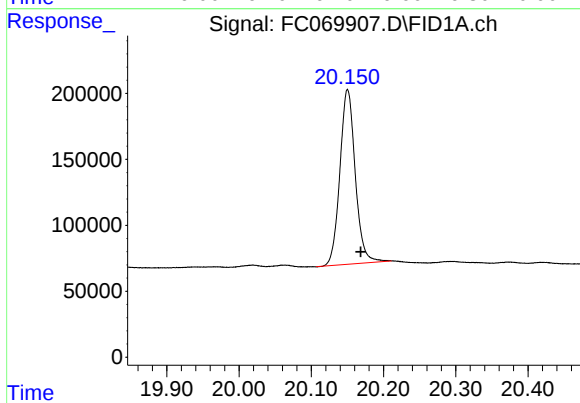
#18 n-Dotriacontane (C32)

R.T.: 18.626 min
Delta R.T.: -0.017 min
Response: 3211057
Conc: 19.85 ug/ml m



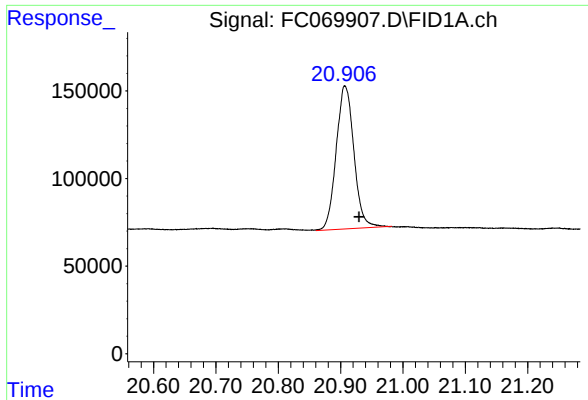
#19 n-Tetratriacontane (C34)

R.T.: 19.411 min
Delta R.T.: -0.017 min
Response: 2794562
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.150 min
Delta R.T.: -0.018 min
Response: 1958765
Conc: 17.35 ug/ml m



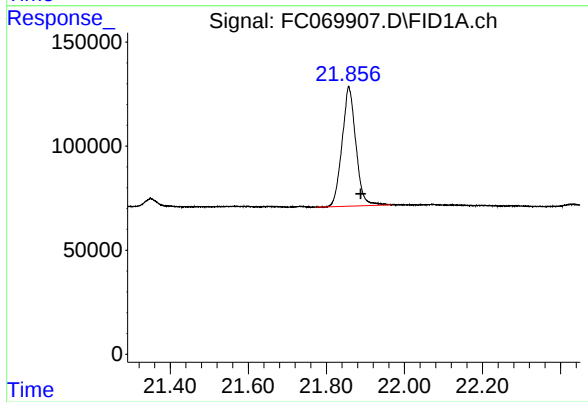
#21 n-Octatriacontane (C38)

R.T.: 20.906 min
Delta R.T.: -0.024 min
Response: 1608567
Conc: 16.67 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.858 min
Delta R.T.: -0.030 min
Response: 1405105
Conc: 16.31 ug/ml