

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062325AL\
 Data File : FC069244.D
 Signal(s) : FID1A.ch
 Acq On : 23 Jun 2025 13:01
 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 06/24/2025
 Supervised By :mohammad ahmed 06/25/2025

Integration File: autoint1.e
 Quant Time: Jun 23 13:38:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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)	11.678	3484870	20.172 ug/ml
Spiked Amount 50.000		Recovery =	40.34%
12) S 1-chlorooctadecane (S...	13.114	2626679	20.106 ug/ml
Spiked Amount 50.000		Recovery =	40.21%
Target Compounds			
1) T n-Nonane (C9)	3.406	2770492	19.481 ug/ml
2) T n-Decane (C10)	4.480	2865727	19.575 ug/ml
3) T A~Naphthalene (C11.7)	6.076	3158946	19.634 ug/ml
4) T n-Dodecane (C12)	6.506	2975284	19.649 ug/ml
5) T A~2-methylnaphthalene...	7.135	3176591	20.073 ug/ml
6) T n-Tetradecane (C14)	8.306	3030286	19.550 ug/ml
7) T n-Hexadecane (C16)	9.911	3080580	18.851 ug/ml
8) T n-Octadecane (C18)	11.356	3019504	18.494 ug/ml
10) T n-Eicosane (C20)	12.667	2887190	18.915 ug/ml
11) T n-Heneicosane (C21)	13.281	2812623	19.082 ug/ml
13) T n-Docosane (C22)	13.868	2756570	19.158 ug/ml
14) T n-Tetracosane (C24)	14.973	2660928	19.292 ug/ml
15) T n-Hexacosane (C26)	15.995	2554472	19.541 ug/ml
16) T n-Octacosane (C28)	16.947	2501751	20.285 ug/ml
17) T n-Tricontane (C30)	17.836	2557064	21.509 ug/ml
18) T n-Dotriacontane (C32)	18.671	2503277	22.895 ug/ml
19) T n-Tetratriacontane (C34)	19.457	2177431	22.549 ug/ml
20) T n-Hexatriacontane (C36)	20.199	1739517	21.107 ug/ml
21) T n-Octatriacontane (C38)	20.965	1254920	16.793 ug/ml
22) T n-Tetracontane (C40)	21.933	998928	14.106 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

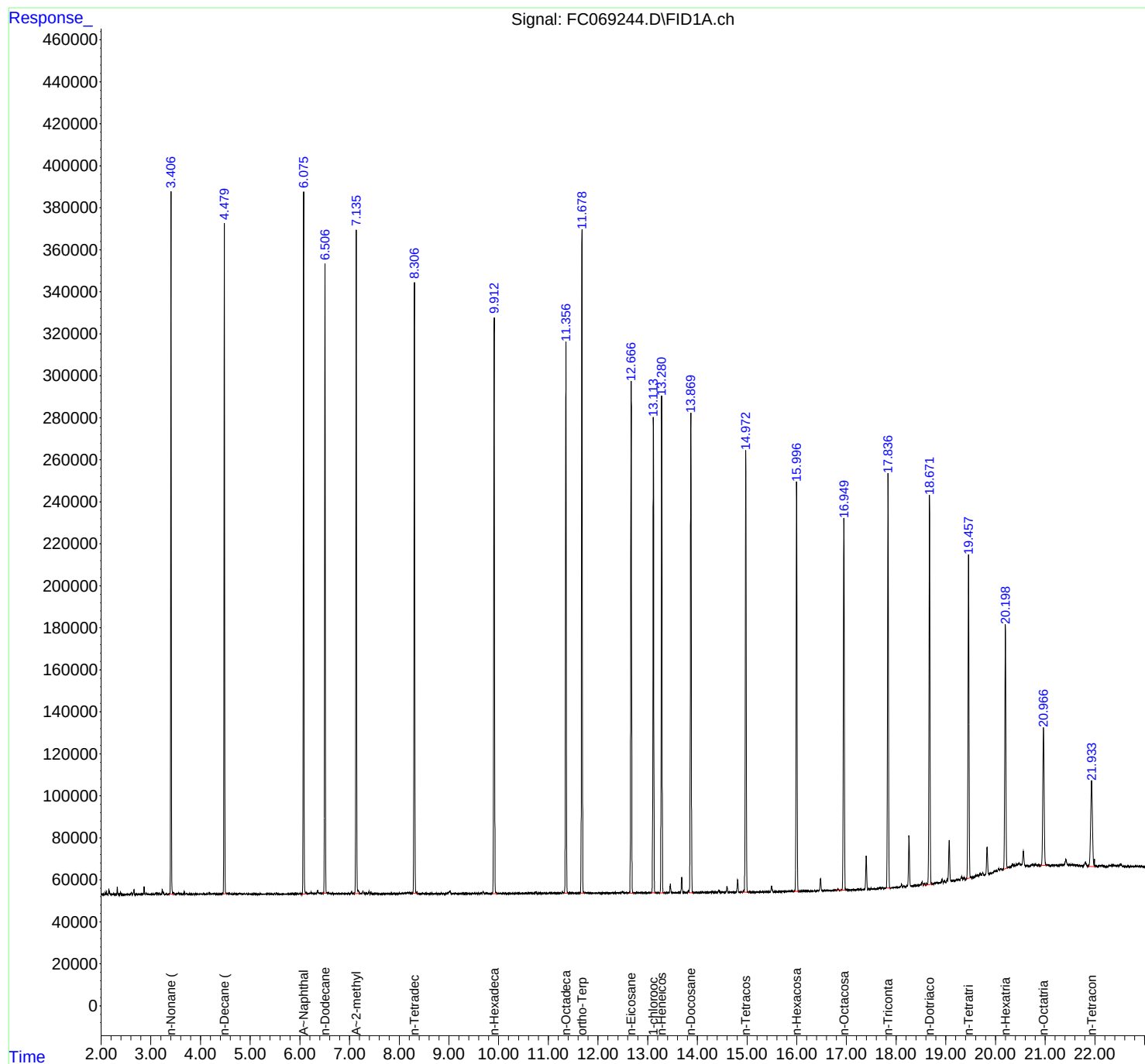
Instrument :
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20 PPM ALIPHATIC HC STD

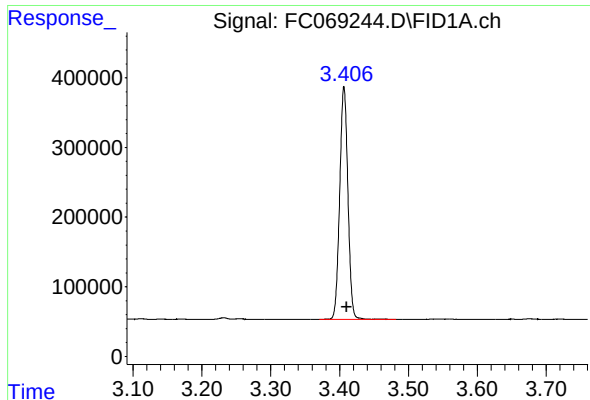
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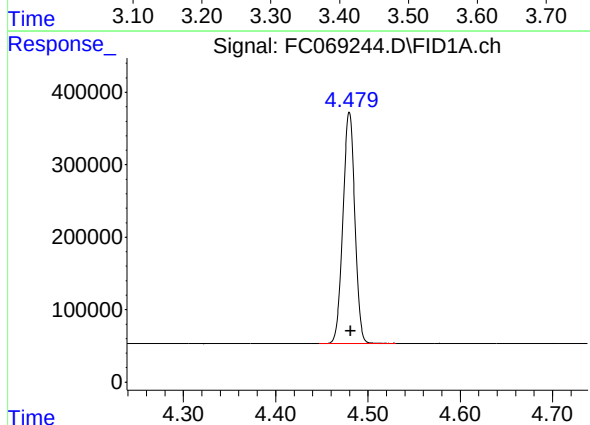
#1 n-Nonane (C9)

R.T.: 3.406 min
Delta R.T.: -0.004 min
Response: 2770492
Conc: 19.48 ug/ml

Instrument :
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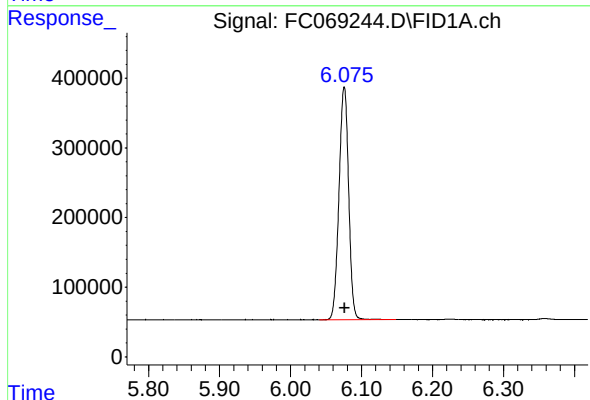
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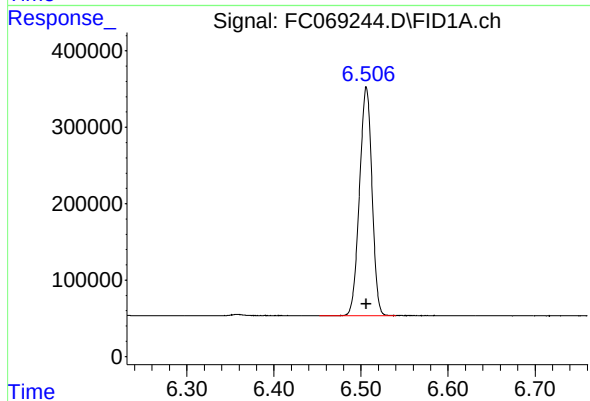
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.002 min
Response: 2865727
Conc: 19.58 ug/ml



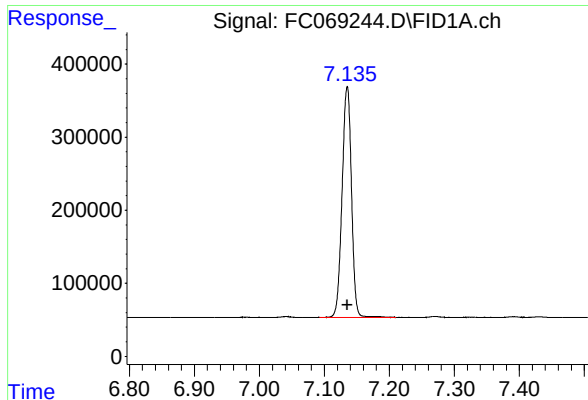
#3 A~Naphthalene (C11.7)

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 3158946
Conc: 19.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 2975284
Conc: 19.65 ug/ml



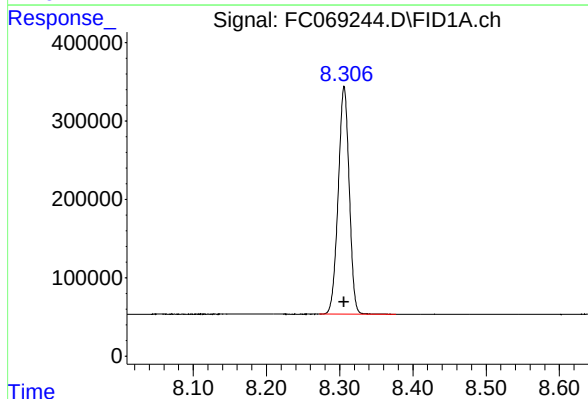
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 3176591
Conc: 20.07 ug/ml

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20 PPM ALIPHATIC HC STD

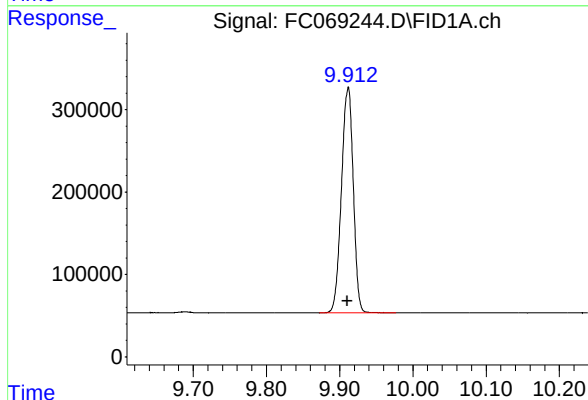
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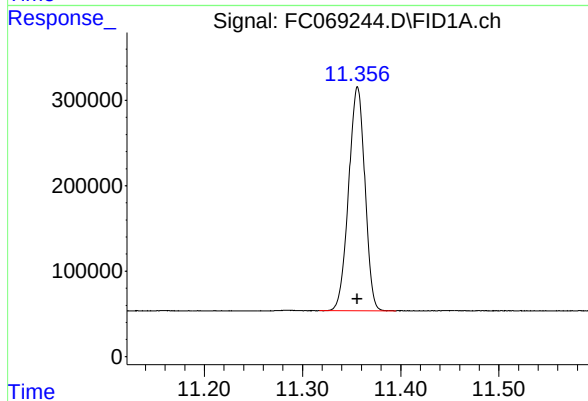
#6 n-Tetradecane (C14)

R.T.: 8.306 min
Delta R.T.: 0.000 min
Response: 3030286
Conc: 19.55 ug/ml



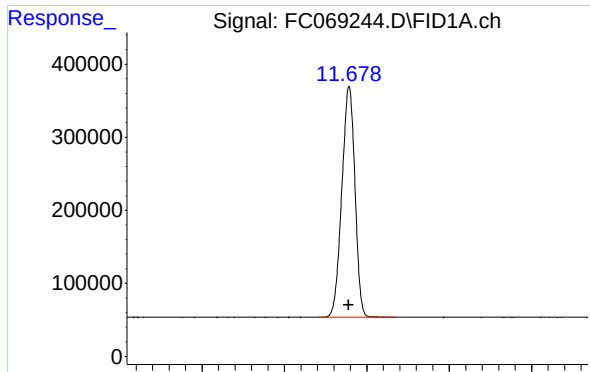
#7 n-Hexadecane (C16)

R.T.: 9.911 min
Delta R.T.: 0.000 min
Response: 3080580
Conc: 18.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 3019504
Conc: 18.49 ug/ml



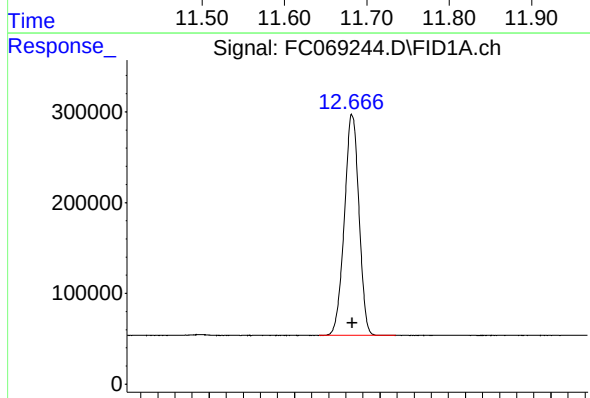
#9 ortho-Terphenyl (SURR)

R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 3484870
Conc: 20.17 ug/ml

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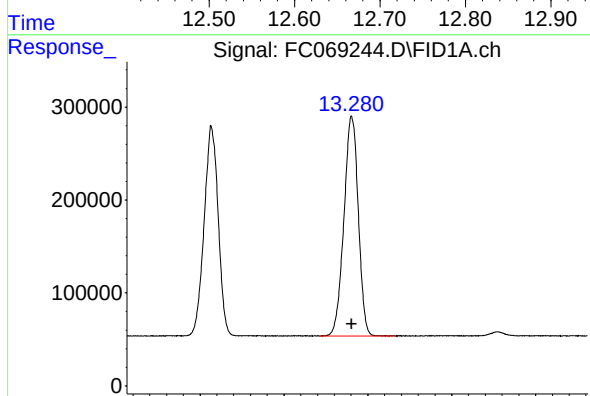
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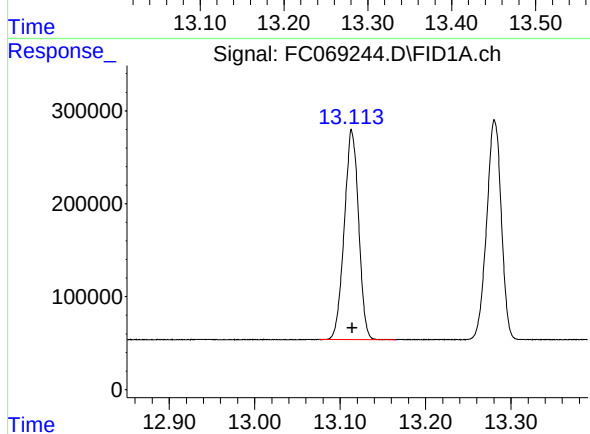
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: 0.000 min
Response: 2887190
Conc: 18.92 ug/ml



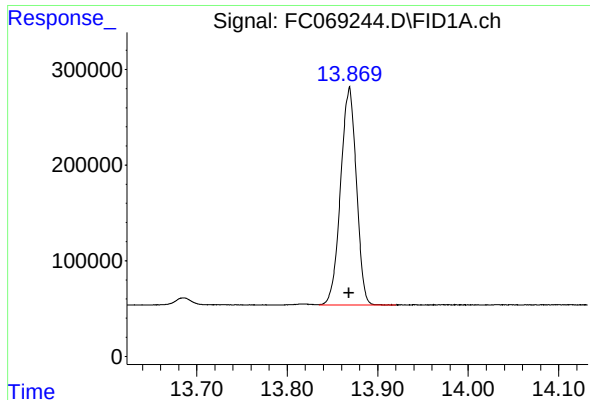
#11 n-Heneicosane (C21)

R.T.: 13.281 min
Delta R.T.: 0.000 min
Response: 2812623
Conc: 19.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.114 min
Delta R.T.: 0.000 min
Response: 2626679
Conc: 20.11 ug/ml



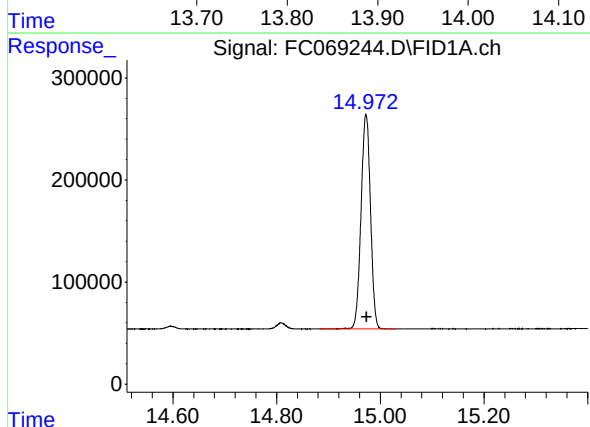
#13 n-Docosane (C22)

R.T.: 13.868 min
Delta R.T.: 0.000 min
Response: 2756570
Conc: 19.16 ug/ml

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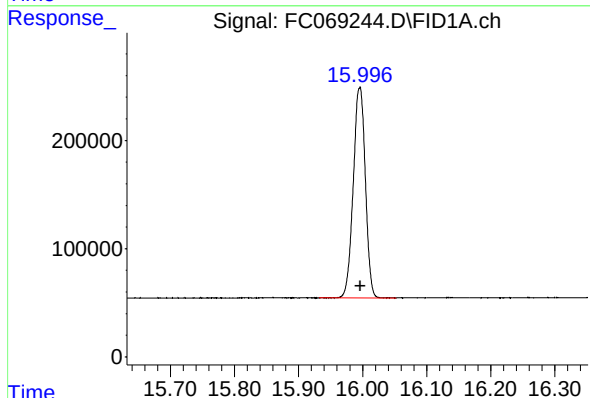
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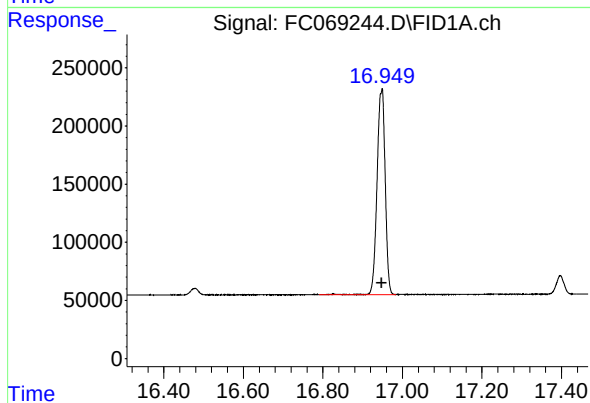
#14 n-Tetracosane (C24)

R.T.: 14.973 min
Delta R.T.: -0.001 min
Response: 2660928
Conc: 19.29 ug/ml



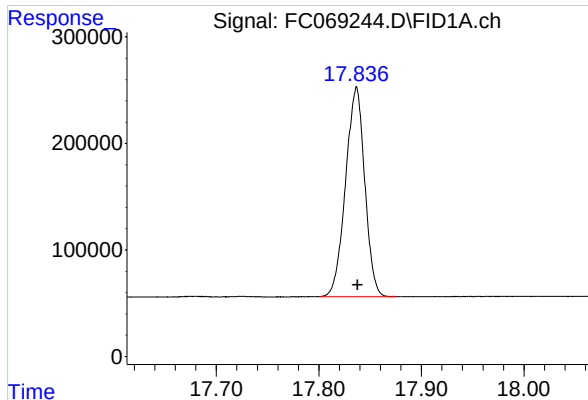
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.001 min
Response: 2554472
Conc: 19.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.947 min
Delta R.T.: -0.001 min
Response: 2501751
Conc: 20.29 ug/ml



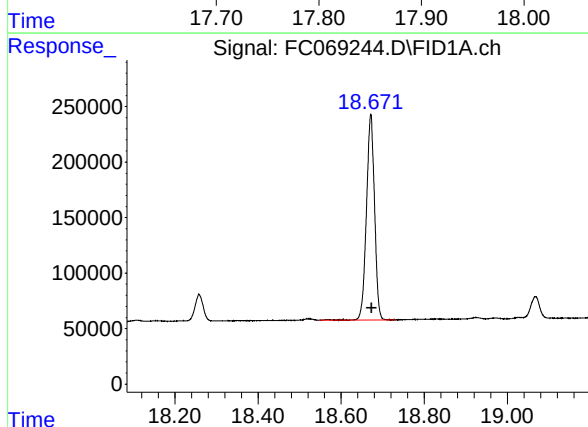
#17 n-Tricontane (C30)

R.T.: 17.836 min
Delta R.T.: -0.001 min
Response: 2557064
Conc: 21.51 ug/ml

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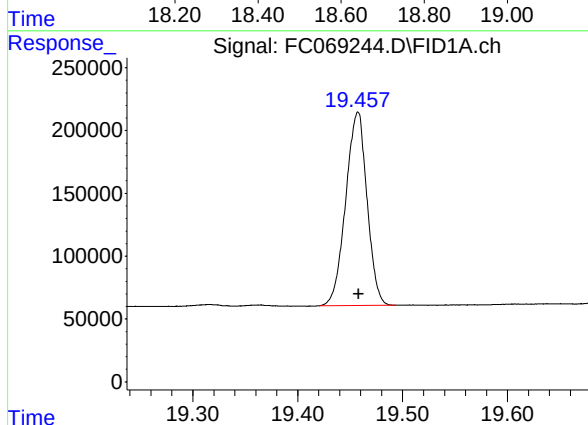
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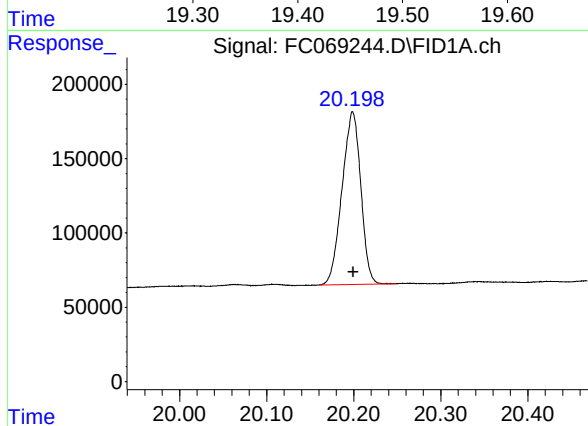
#18 n-Dotriacontane (C32)

R.T.: 18.671 min
Delta R.T.: -0.002 min
Response: 2503277
Conc: 22.89 ug/ml



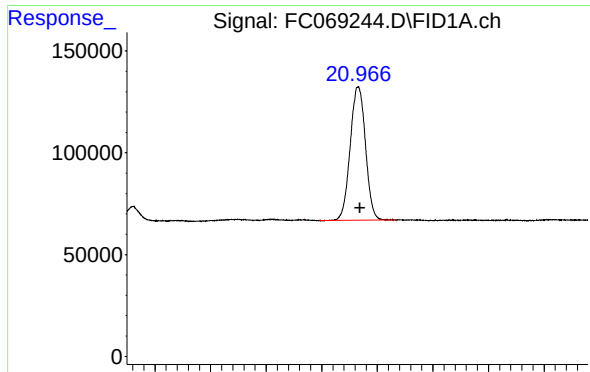
#19 n-Tetatriacontane (C34)

R.T.: 19.457 min
Delta R.T.: -0.001 min
Response: 2177431
Conc: 22.55 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.199 min
Delta R.T.: 0.000 min
Response: 1739517
Conc: 21.11 ug/ml



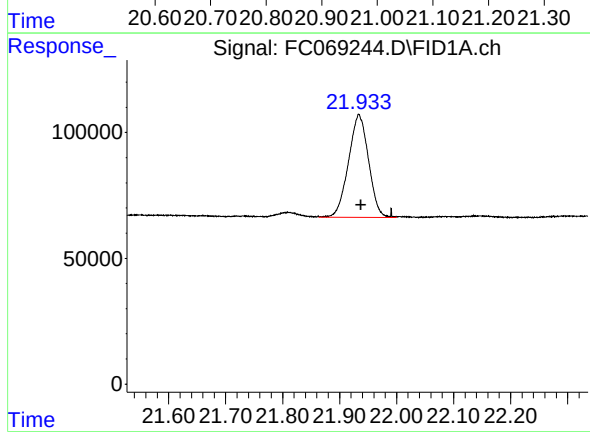
#21 n-Octatriacontane (C38)

R.T.: 20.965 min
Delta R.T.: -0.003 min
Response: 1254920
Conc: 16.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.933 min
Delta R.T.: -0.004 min
Response: 998928
Conc: 14.11 ug/ml m