

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070125AL\
 Data File : FC069352.D
 Signal(s) : FID1A.ch
 Acq On : 01 Jul 2025 21:52
 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 07/02/2025
 Supervised By :mohammad ahmed 07/02/2025

Integration File: autoint1.e
 Quant Time: Jul 02 00:33:54 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)	11.676	3397970	19.669 ug/ml
Spiked Amount 50.000		Recovery =	39.34%
12) S 1-chlorooctadecane (S...	13.112	2587777	19.808 ug/ml
Spiked Amount 50.000		Recovery =	39.62%
Target Compounds			
1) T n-Nonane (C9)	3.403	3042982	21.396 ug/ml
2) T n-Decane (C10)	4.478	3134557	21.412 ug/ml
3) T A~Naphthalene (C11.7)	6.073	3443986	21.405 ug/ml
4) T n-Dodecane (C12)	6.503	3186158	21.041 ug/ml
5) T A~2-methylnaphthalene...	7.133	3329596	21.040 ug/ml
6) T n-Tetradecane (C14)	8.303	3178920	20.508 ug/ml
7) T n-Hexadecane (C16)	9.909	3261622	19.959 ug/ml
8) T n-Octadecane (C18)	11.354	3225822	19.758 ug/ml
10) T n-Eicosane (C20)	12.666	3032980	19.870 ug/ml
11) T n-Heneicosane (C21)	13.279	2943510	19.971 ug/ml
13) T n-Docosane (C22)	13.866	2899683	20.153 ug/ml
14) T n-Tetracosane (C24)	14.971	2804082	20.330 ug/ml
15) T n-Hexacosane (C26)	15.993	2662549	20.368 ug/ml
16) T n-Octacosane (C28)	16.945	2546138	20.645 ug/ml
17) T n-Tricontane (C30)	17.834	2514299	21.149 ug/ml
18) T n-Dotriacontane (C32)	18.667	2380950	21.776 ug/ml
19) T n-Tetratriacontane (C34)	19.452	2156348	22.330 ug/ml
20) T n-Hexatriacontane (C36)	20.193	1862363	22.598 ug/ml
21) T n-Octatriacontane (C38)	20.961	1694831	22.679 ug/ml
22) T n-Tetracontane (C40)	21.927	1594590	22.517 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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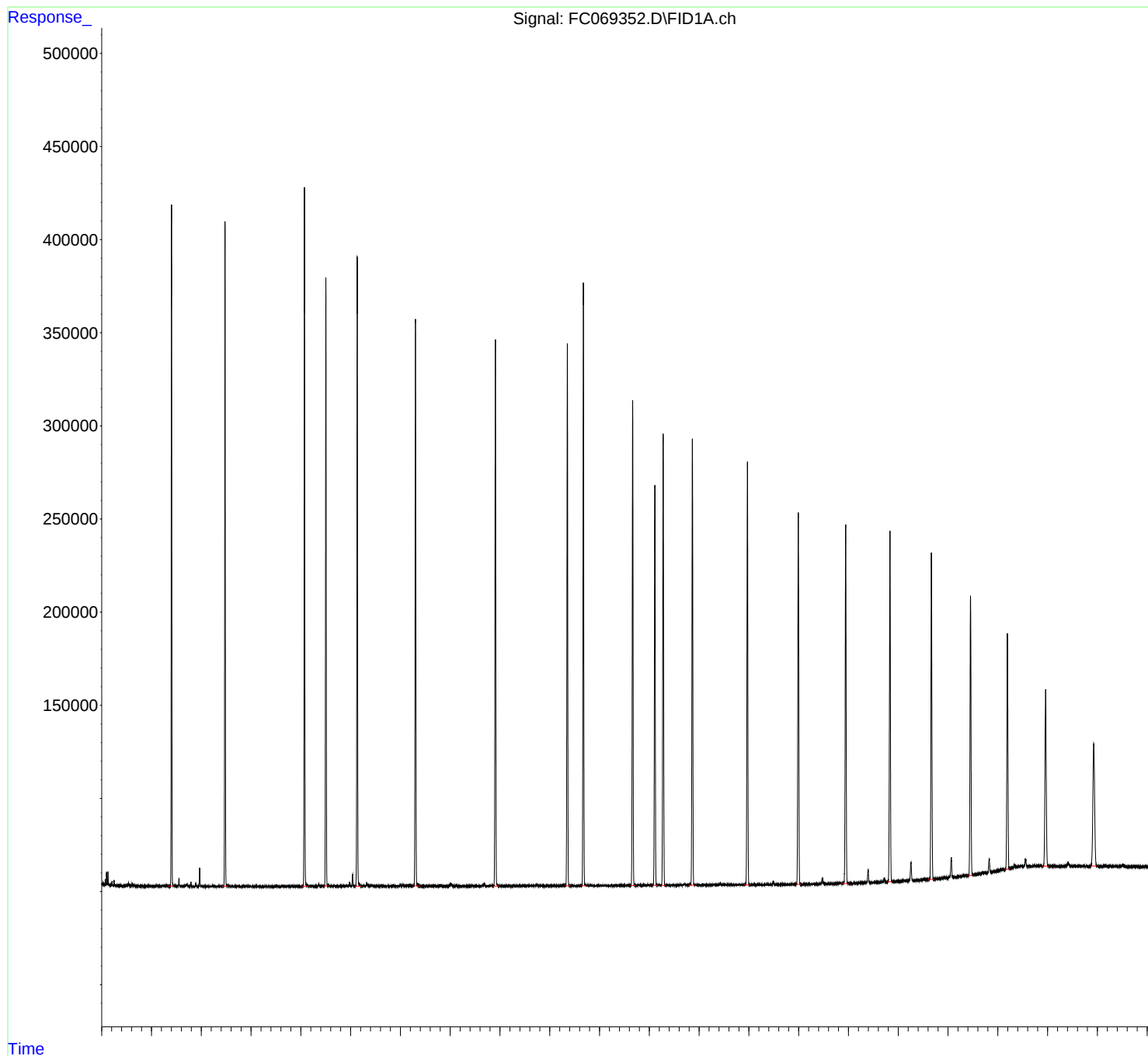
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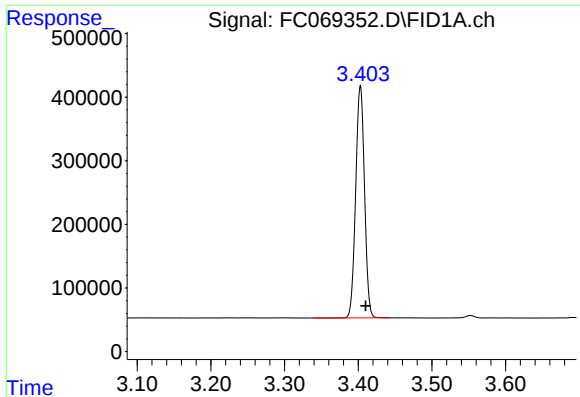
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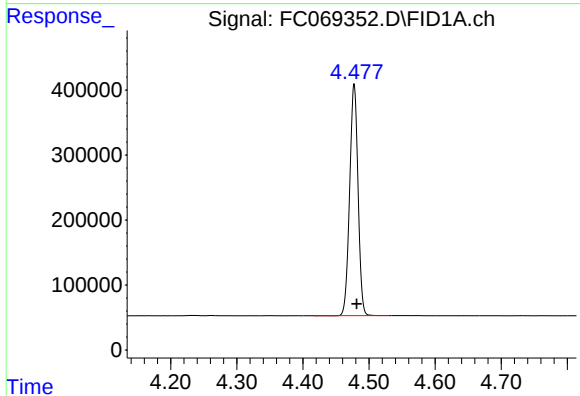
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.007 min
Response: 3042982
Conc: 21.40 ug/ml

Instrument :
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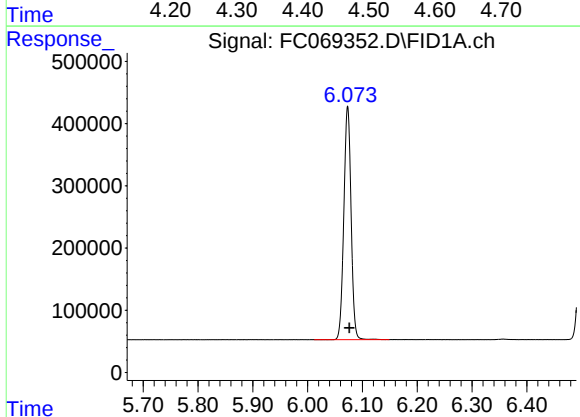
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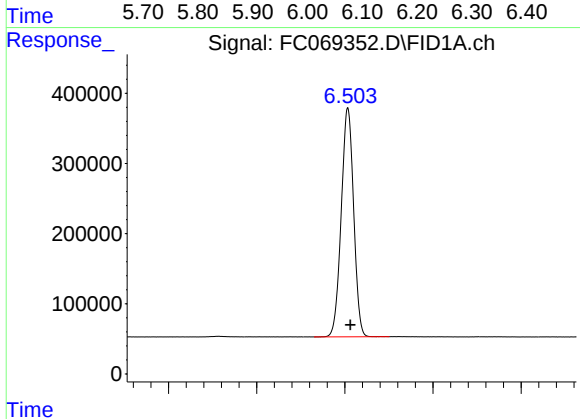
#2 n-Decane (C10)

R.T.: 4.478 min
Delta R.T.: -0.004 min
Response: 3134557
Conc: 21.41 ug/ml



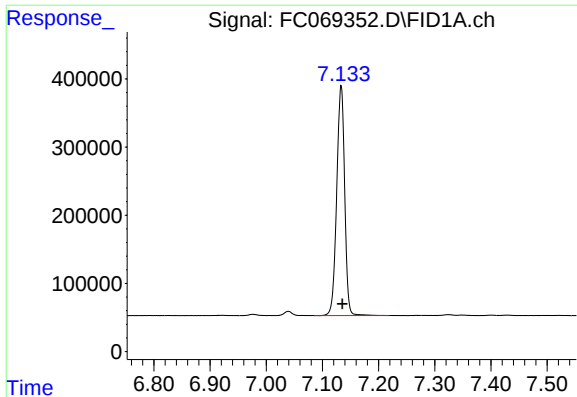
#3 A~Naphthalene (C11.7)

R.T.: 6.073 min
Delta R.T.: -0.003 min
Response: 3443986
Conc: 21.41 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.503 min
Delta R.T.: -0.003 min
Response: 3186158
Conc: 21.04 ug/ml



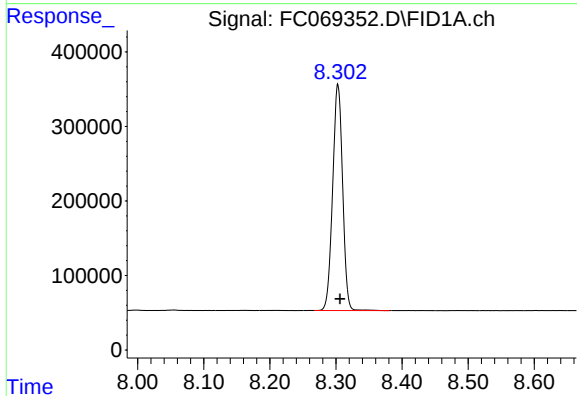
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.133 min
Delta R.T.: -0.002 min
Response: 3329596
Conc: 21.04 ug/ml

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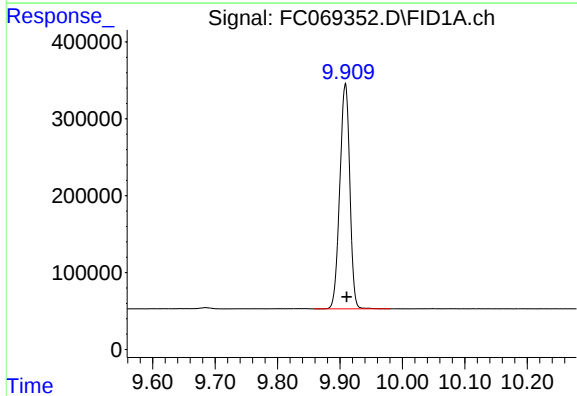
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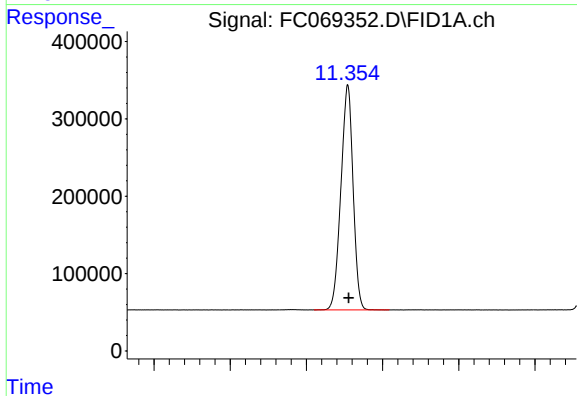
#6 n-Tetradecane (C14)

R.T.: 8.303 min
Delta R.T.: -0.003 min
Response: 3178920
Conc: 20.51 ug/ml



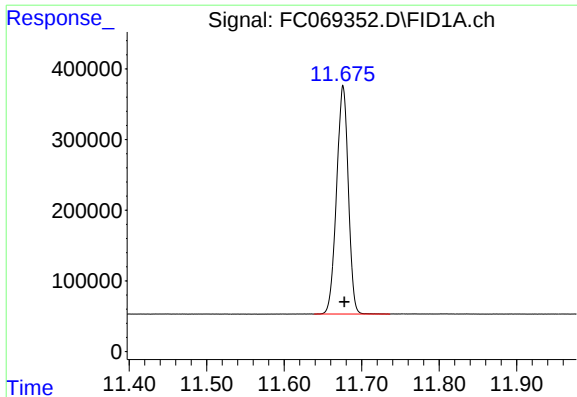
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.002 min
Response: 3261622
Conc: 19.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.354 min
Delta R.T.: -0.001 min
Response: 3225822
Conc: 19.76 ug/ml



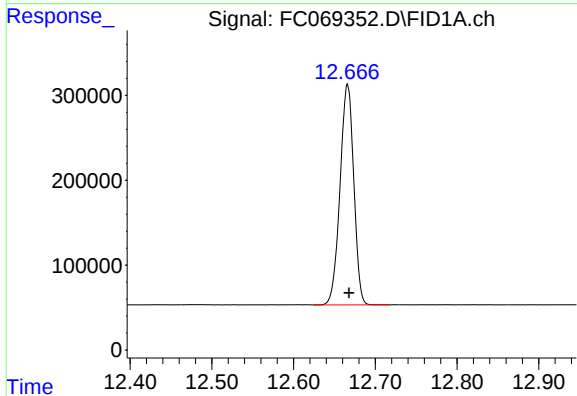
#9 ortho-Terphenyl (SURR)

R.T.: 11.676 min
Delta R.T.: -0.002 min
Response: 3397970
Conc: 19.67 ug/ml

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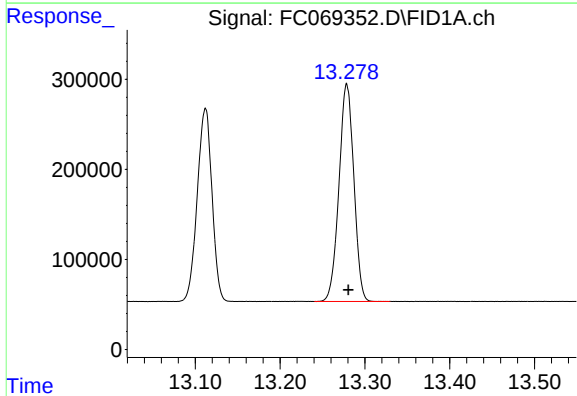
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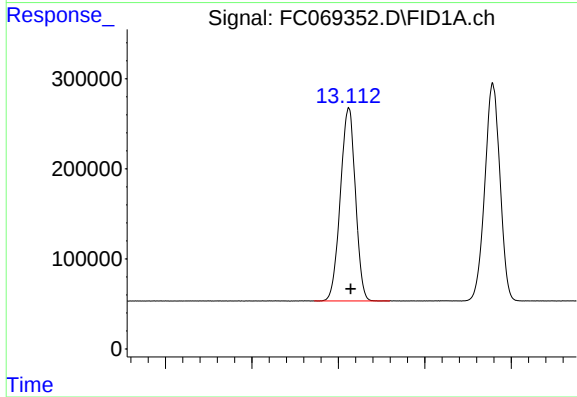
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.002 min
Response: 3032980
Conc: 19.87 ug/ml



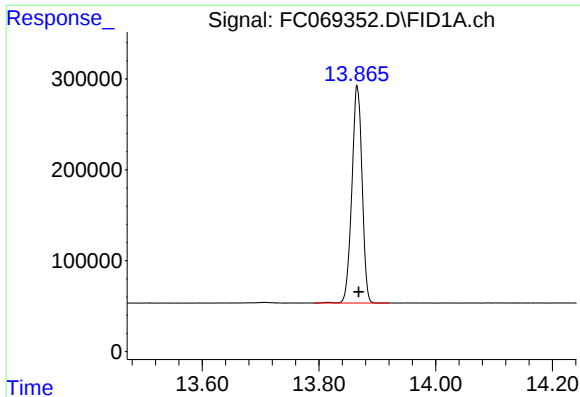
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.002 min
Response: 2943510
Conc: 19.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min
Delta R.T.: -0.003 min
Response: 2587777
Conc: 19.81 ug/ml



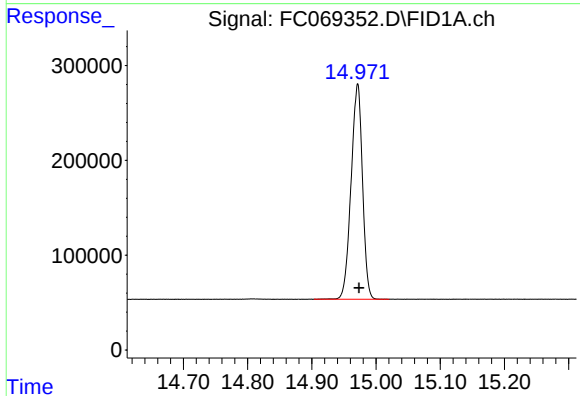
#13 n-Docosane (C22)

R.T.: 13.866 min
Delta R.T.: -0.002 min
Response: 2899683
Conc: 20.15 ug/ml

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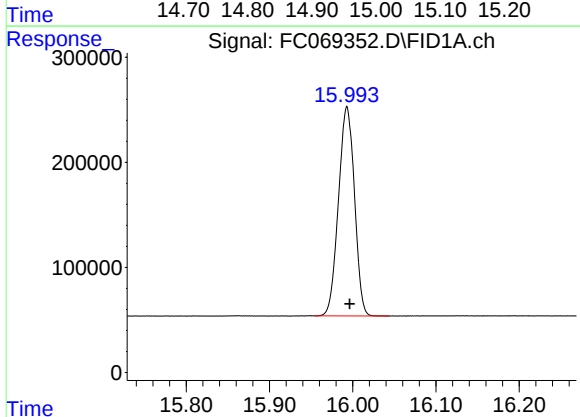
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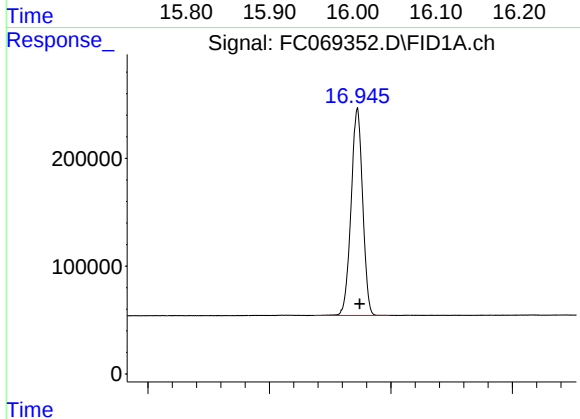
#14 n-Tetracosane (C24)

R.T.: 14.971 min
Delta R.T.: -0.002 min
Response: 2804082
Conc: 20.33 ug/ml



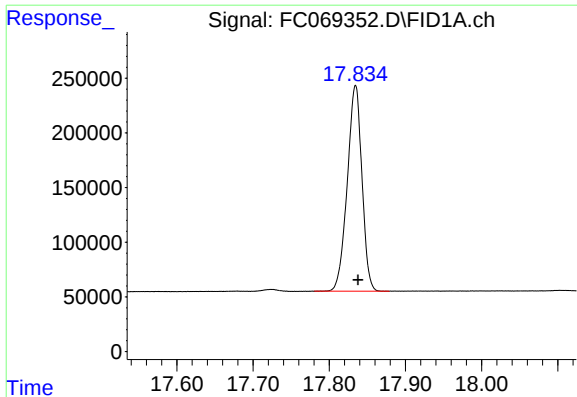
#15 n-Hexacosane (C26)

R.T.: 15.993 min
Delta R.T.: -0.003 min
Response: 2662549
Conc: 20.37 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.945 min
Delta R.T.: -0.004 min
Response: 2546138
Conc: 20.65 ug/ml



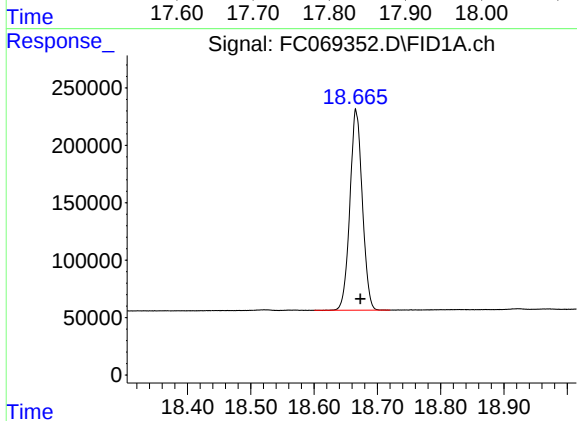
#17 n-Tricontane (C30)

R.T.: 17.834 min
Delta R.T.: -0.003 min
Response: 2514299
Conc: 21.15 ug/ml

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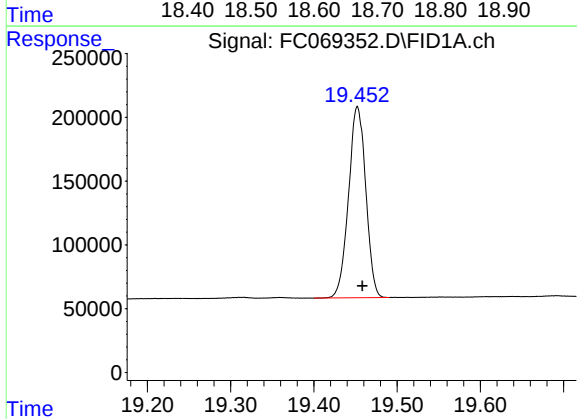
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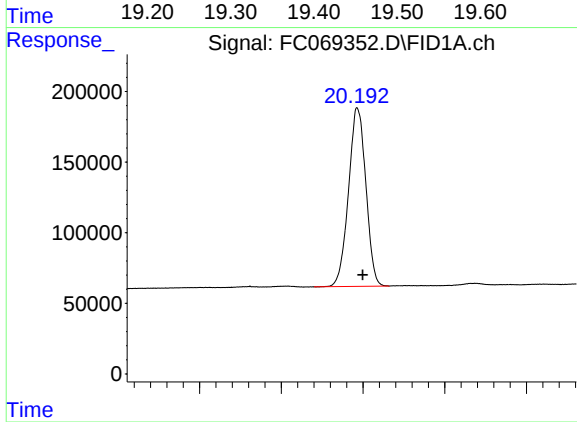
#18 n-Dotriacontane (C32)

R.T.: 18.667 min
Delta R.T.: -0.006 min
Response: 2380950
Conc: 21.78 ug/ml



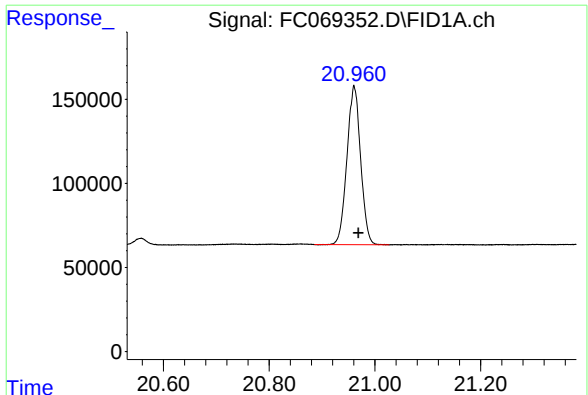
#19 n-Tetratriacontane (C34)

R.T.: 19.452 min
Delta R.T.: -0.006 min
Response: 2156348
Conc: 22.33 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.193 min
Delta R.T.: -0.006 min
Response: 1862363
Conc: 22.60 ug/ml



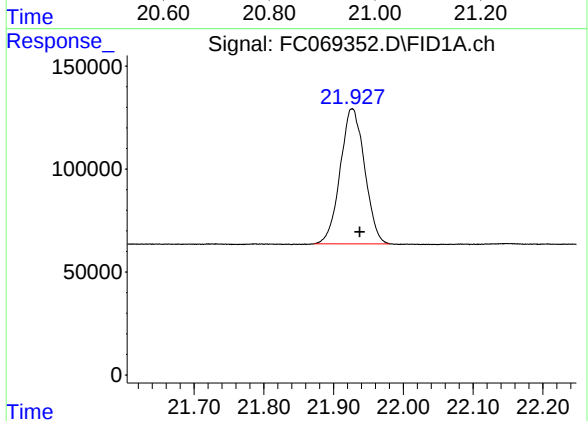
#21 n-Octatriacontane (C38)

R.T.: 20.961 min
Delta R.T.: -0.008 min
Response: 1694831
Conc: 22.68 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.927 min
Delta R.T.: -0.010 min
Response: 1594590
Conc: 22.52 ug/ml m