

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061325AL\
 Data File : FC069203.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 07:46
 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 06/16/2025
 Supervised By :mohammad ahmed 06/17/2025

Integration File: autoint1.e
 Quant Time: Jun 13 23:07:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 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)	11.675	2297598	18.628 ug/ml
Spiked Amount 50.000		Recovery =	37.26%
12) S 1-chlorooctadecane (S...	13.111	1603825	17.877 ug/ml
Spiked Amount 50.000		Recovery =	35.75%
Target Compounds			
1) T n-Nonane (C9)	3.403	1981855	18.675 ug/ml
2) T n-Decane (C10)	4.479	1998712	18.872 ug/ml
3) T A~Naphthalene (C11.7)	6.074	2190359	18.942 ug/ml
4) T n-Dodecane (C12)	6.505	1938049	18.436 ug/ml
5) T A~2-methylnaphthalene...	7.133	2136638	18.847 ug/ml
6) T n-Tetradecane (C14)	8.305	1853313	18.081 ug/ml
7) T n-Hexadecane (C16)	9.908	1800926	17.749 ug/ml
8) T n-Octadecane (C18)	11.354	1727464	17.284 ug/ml
10) T n-Eicosane (C20)	12.665	1723351	17.694 ug/ml
11) T n-Heneicosane (C21)	13.278	1703192	17.695 ug/ml
13) T n-Docosane (C22)	13.866	1726941	18.127 ug/ml
14) T n-Tetracosane (C24)	14.970	1792969	19.043 ug/mlm
15) T n-Hexacosane (C26)	15.993	1843315	19.854 ug/ml
16) T n-Octacosane (C28)	16.945	1932492	20.790 ug/mlm
17) T n-Tricontane (C30)	17.834	2092077	21.622 ug/ml
18) T n-Dotriacontane (C32)	18.670	2177095	21.969 ug/ml
19) T n-Tetratriacontane (C34)	19.454	2013962	20.896 ug/ml
20) T n-Hexatriacontane (C36)	20.195	1893280	19.944 ug/ml
21) T n-Octatriacontane (C38)	20.963	1750417	19.186 ug/ml
22) T n-Tetracontane (C40)	21.929	1639001	18.575 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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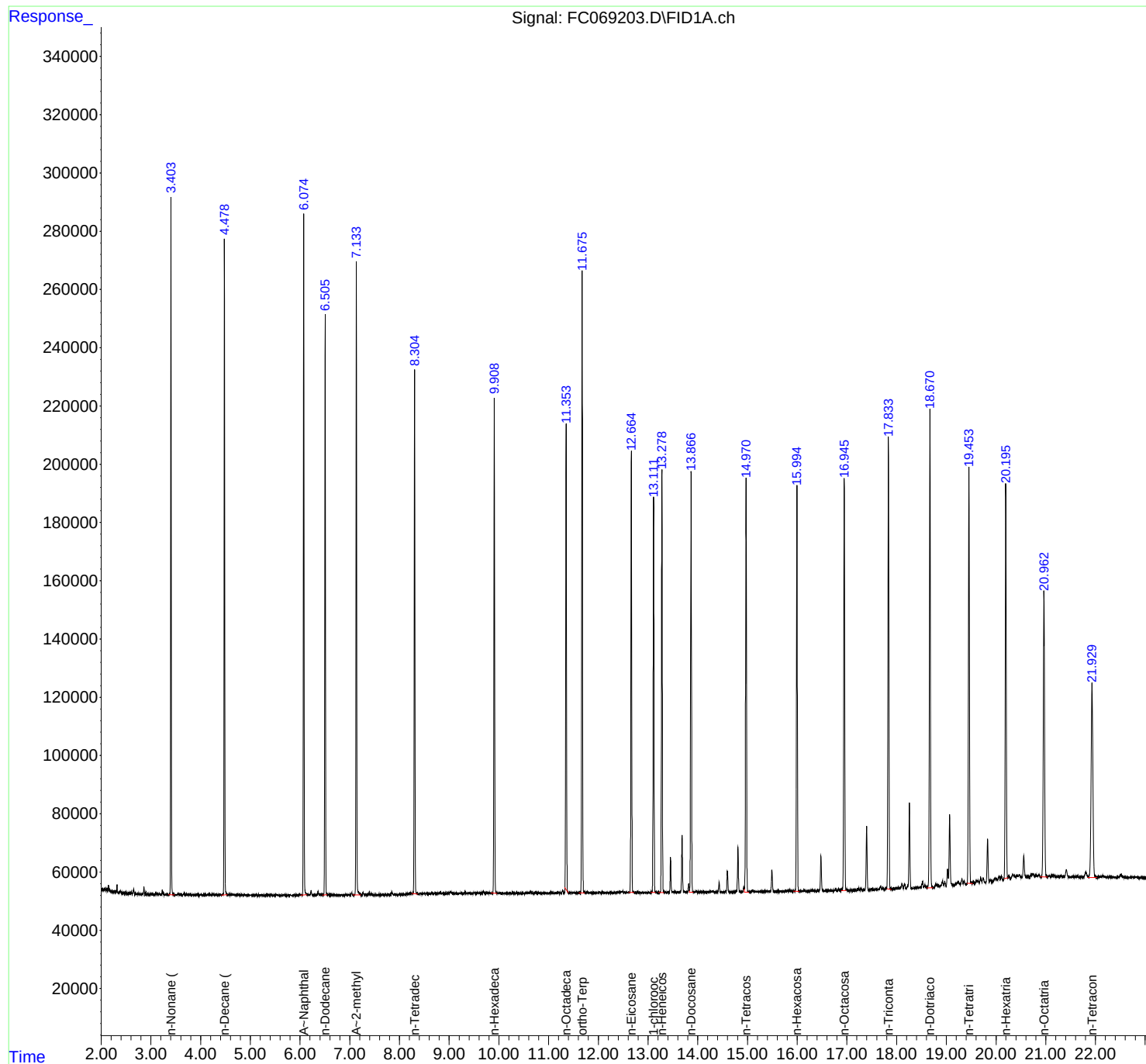
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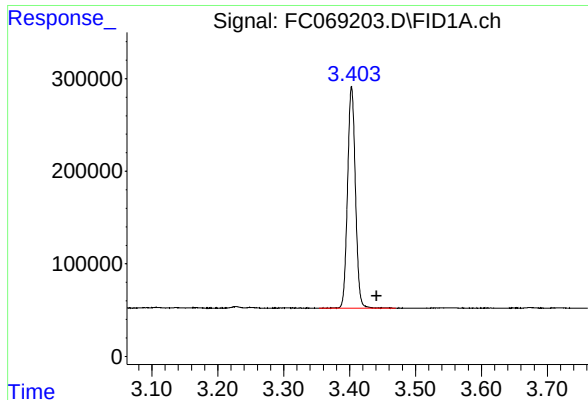
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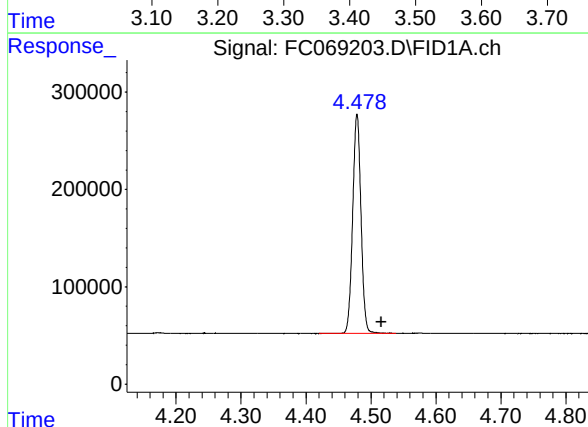
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.038 min
Response: 1981855
Conc: 18.68 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

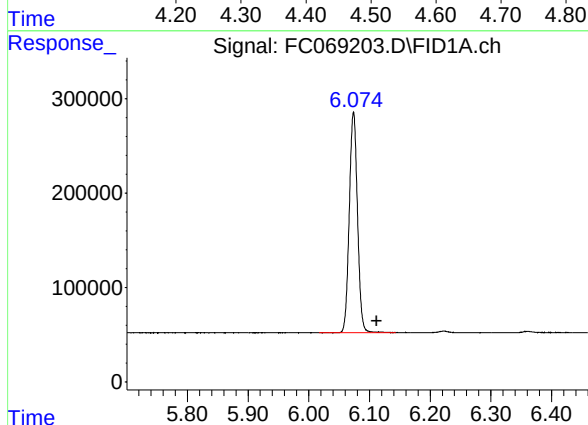
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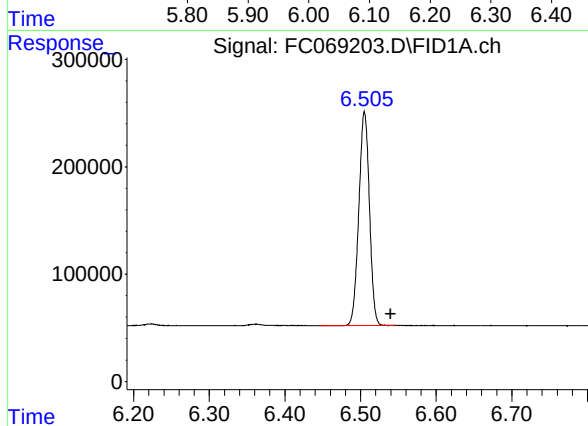
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.037 min
Response: 1998712
Conc: 18.87 ug/ml



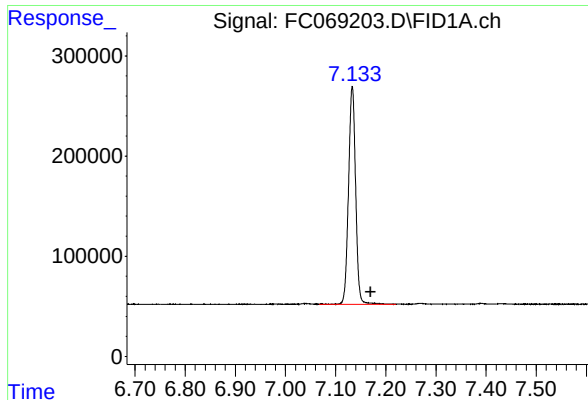
#3 A~Naphthalene (C11.7)

R.T.: 6.074 min
Delta R.T.: -0.038 min
Response: 2190359
Conc: 18.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.505 min
Delta R.T.: -0.035 min
Response: 1938049
Conc: 18.44 ug/ml



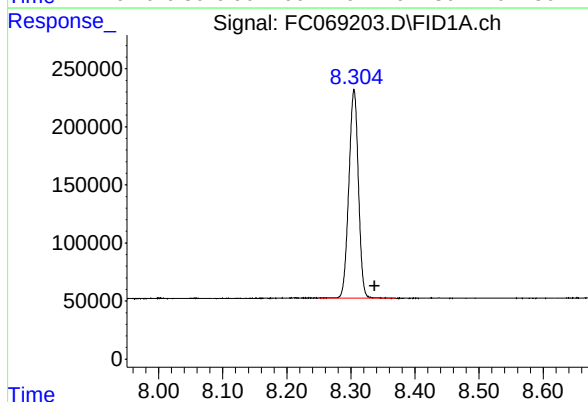
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.133 min
Delta R.T.: -0.037 min
Response: 2136638
Conc: 18.85 ug/ml

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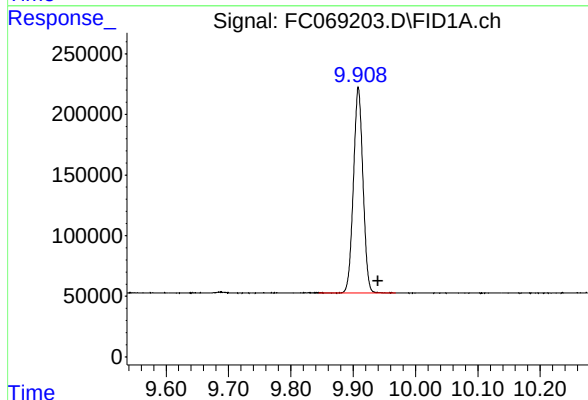
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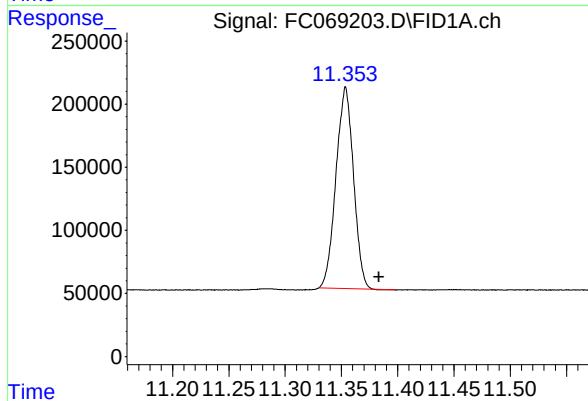
#6 n-Tetradecane (C14)

R.T.: 8.305 min
Delta R.T.: -0.032 min
Response: 1853313
Conc: 18.08 ug/ml



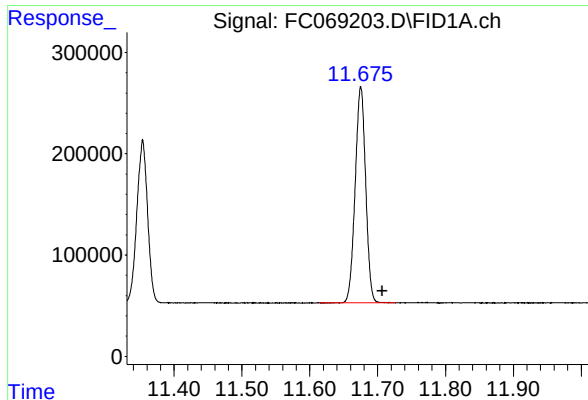
#7 n-Hexadecane (C16)

R.T.: 9.908 min
Delta R.T.: -0.032 min
Response: 1800926
Conc: 17.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.354 min
Delta R.T.: -0.030 min
Response: 1727464
Conc: 17.28 ug/ml



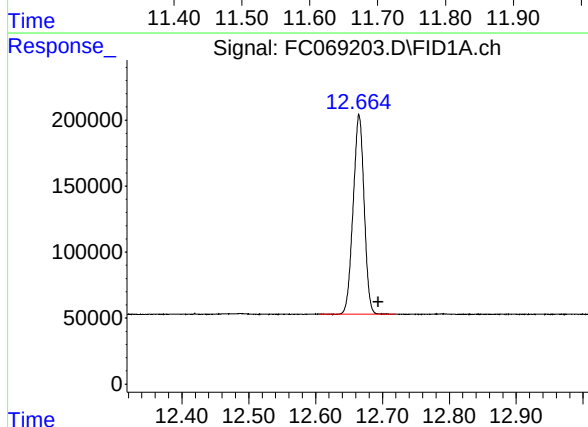
#9 ortho-Terphenyl (SURR)

R.T.: 11.675 min
Delta R.T.: -0.032 min
Response: 2297598
Conc: 18.63 ug/ml

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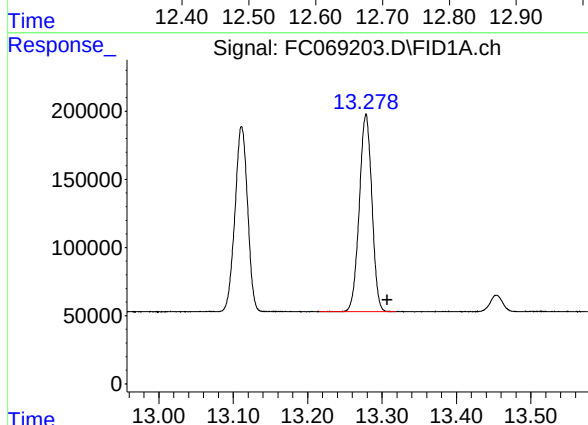
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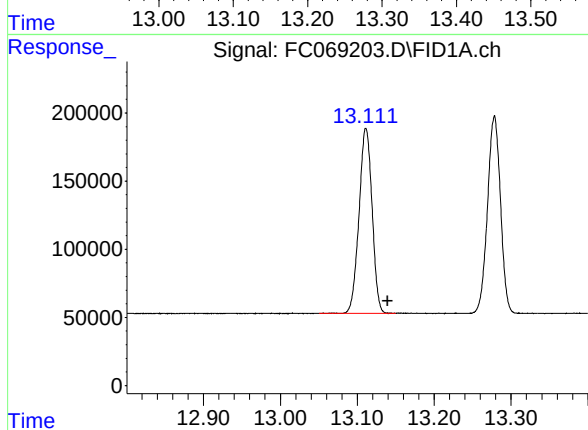
#10 n-Eicosane (C20)

R.T.: 12.665 min
Delta R.T.: -0.029 min
Response: 1723351
Conc: 17.69 ug/ml



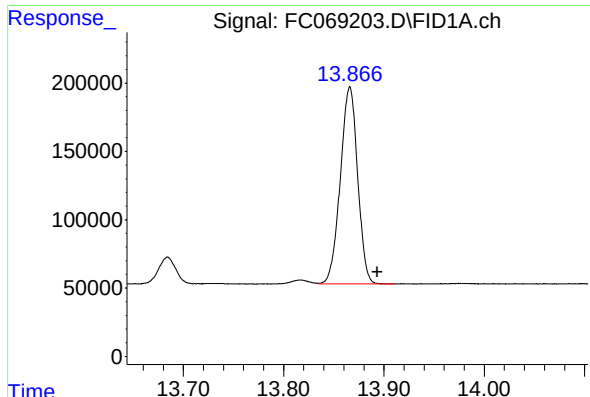
#11 n-Heneicosane (C21)

R.T.: 13.278 min
Delta R.T.: -0.029 min
Response: 1703192
Conc: 17.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.111 min
Delta R.T.: -0.028 min
Response: 1603825
Conc: 17.88 ug/ml



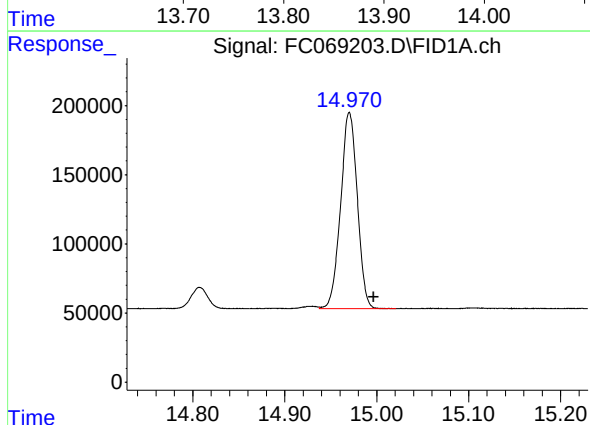
#13 n-Docosane (C22)

R.T.: 13.866 min
Delta R.T.: -0.027 min
Response: 1726941
Conc: 18.13 ug/ml

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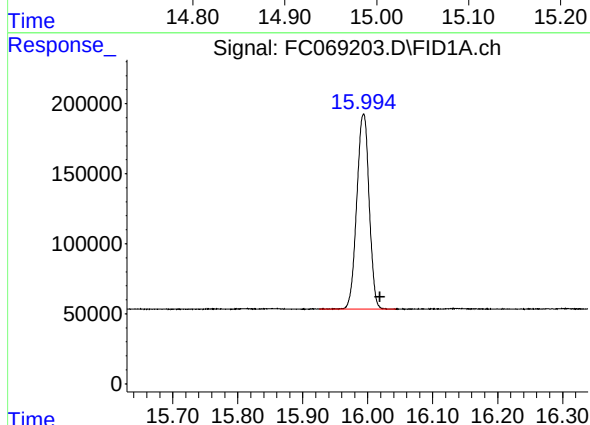
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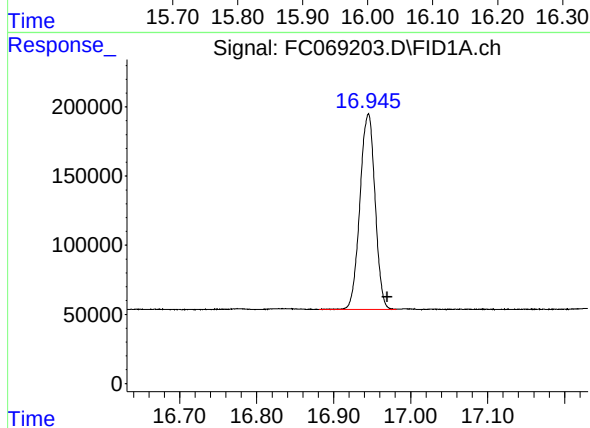
#14 n-Tetracosane (C24)

R.T.: 14.970 min
Delta R.T.: -0.027 min
Response: 1792969
Conc: 19.04 ug/ml m



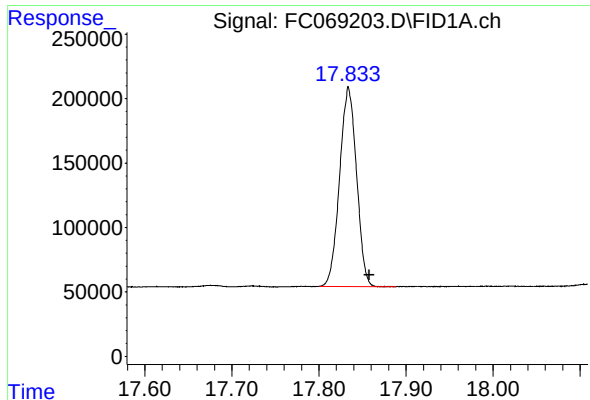
#15 n-Hexacosane (C26)

R.T.: 15.993 min
Delta R.T.: -0.025 min
Response: 1843315
Conc: 19.85 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.945 min
Delta R.T.: -0.025 min
Response: 1932492
Conc: 20.79 ug/ml m



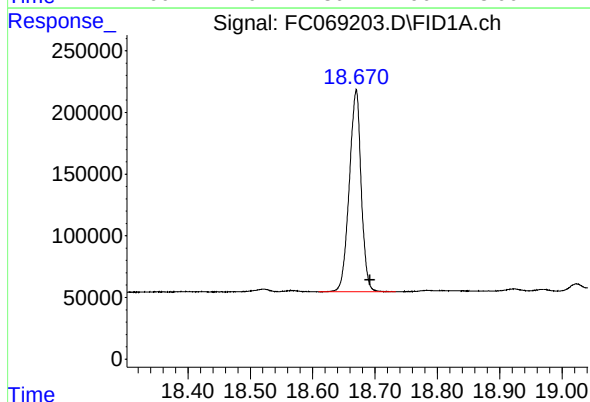
#17 n-Tricontane (C30)

R.T.: 17.834 min
Delta R.T.: -0.024 min
Response: 2092077
Conc: 21.62 ug/ml

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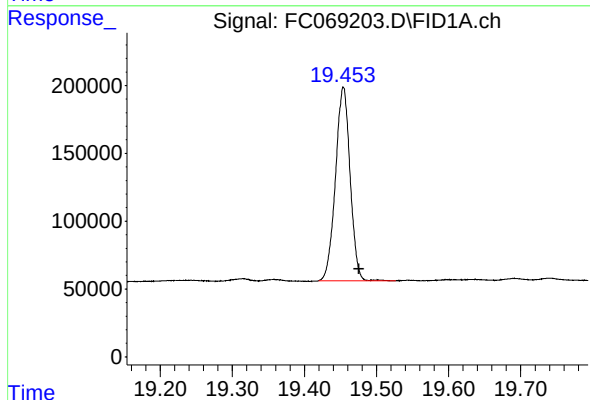
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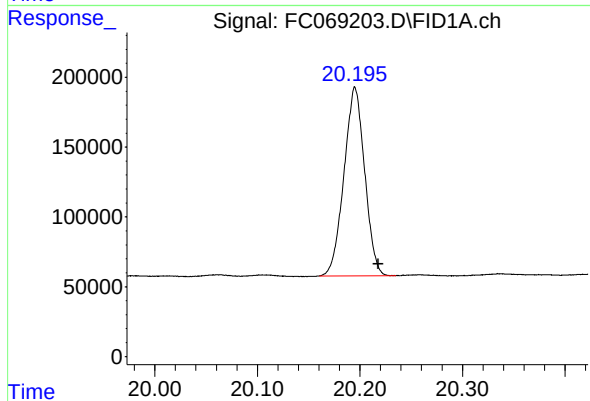
#18 n-Dotriacontane (C32)

R.T.: 18.670 min
Delta R.T.: -0.023 min
Response: 2177095
Conc: 21.97 ug/ml



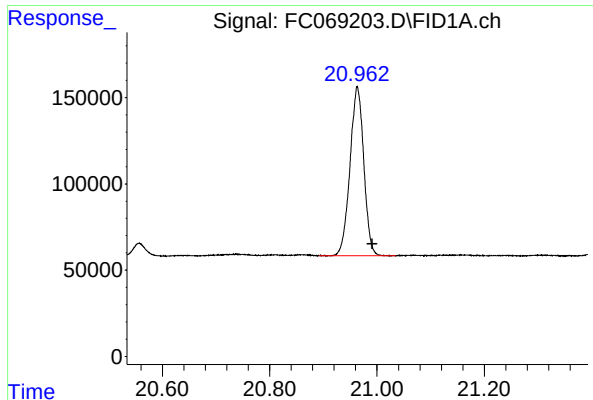
#19 n-Tetatriacontane (C34)

R.T.: 19.454 min
Delta R.T.: -0.022 min
Response: 2013962
Conc: 20.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.195 min
Delta R.T.: -0.023 min
Response: 1893280
Conc: 19.94 ug/ml



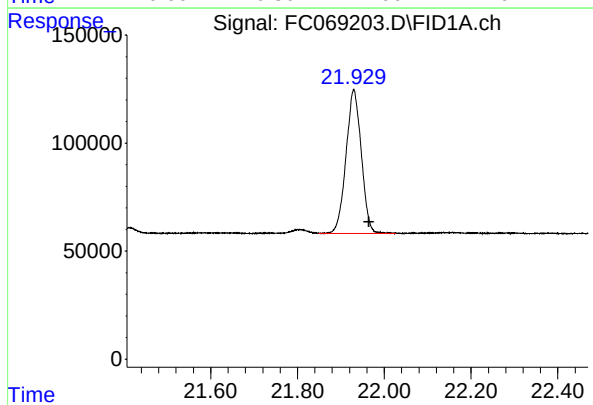
#21 n-Octatriacontane (C38)

R.T.: 20.963 min
Delta R.T.: -0.027 min
Response: 1750417
Conc: 19.19 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.929 min
Delta R.T.: -0.036 min
Response: 1639001
Conc: 18.58 ug/ml m