

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072325AL\
 Data File : FC069508.D
 Signal(s) : FID1A.ch
 Acq On : 23 Jul 2025 15:10
 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 07/24/2025
 Supervised By :mohammad ahmed 07/25/2025

Integration File: autoint1.e
 Quant Time: Jul 24 01:27:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 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)	11.664	2704002	18.220 ug/ml
Spiked Amount 50.000		Recovery =	36.44%
12) S 1-chlorooctadecane (S...	13.100	2017742	17.854 ug/ml
Spiked Amount 50.000		Recovery =	35.71%
Target Compounds			
1) T n-Nonane (C9)	3.400	2595218	19.071 ug/ml
2) T n-Decane (C10)	4.472	2673815	19.211 ug/ml
3) T A~Naphthalene (C11.7)	6.066	2852890	18.880 ug/ml
4) T n-Dodecane (C12)	6.497	2740971	19.339 ug/ml
5) T A~2-methylnaphthalene...	7.125	2736238	18.729 ug/ml
6) T n-Tetradecane (C14)	8.295	2746050	19.313 ug/ml
7) T n-Hexadecane (C16)	9.899	2780523	19.050 ug/ml
8) T n-Octadecane (C18)	11.343	2693005	18.721 ug/ml
10) T n-Eicosane (C20)	12.653	2466552	18.373 ug/ml
11) T n-Heneicosane (C21)	13.267	2366055	18.216 ug/ml
13) T n-Docosane (C22)	13.854	2298427	18.097 ug/ml
14) T n-Tetracosane (C24)	14.958	2188372	17.930 ug/ml
15) T n-Hexacosane (C26)	15.980	2072774	17.841 ug/ml
16) T n-Octacosane (C28)	16.931	2012283	18.176 ug/mlm
17) T n-Tricontane (C30)	17.820	2005330	18.314 ug/ml
18) T n-Dotriacontane (C32)	18.653	1960057	18.888 ug/ml
19) T n-Tetratriacontane (C34)	19.437	1807152	19.178 ug/ml
20) T n-Hexatriacontane (C36)	20.178	1584411	19.182 ug/ml
21) T n-Octatriacontane (C38)	20.940	1447502	19.058 ug/ml
22) T n-Tetracontane (C40)	21.903	1347011	18.390 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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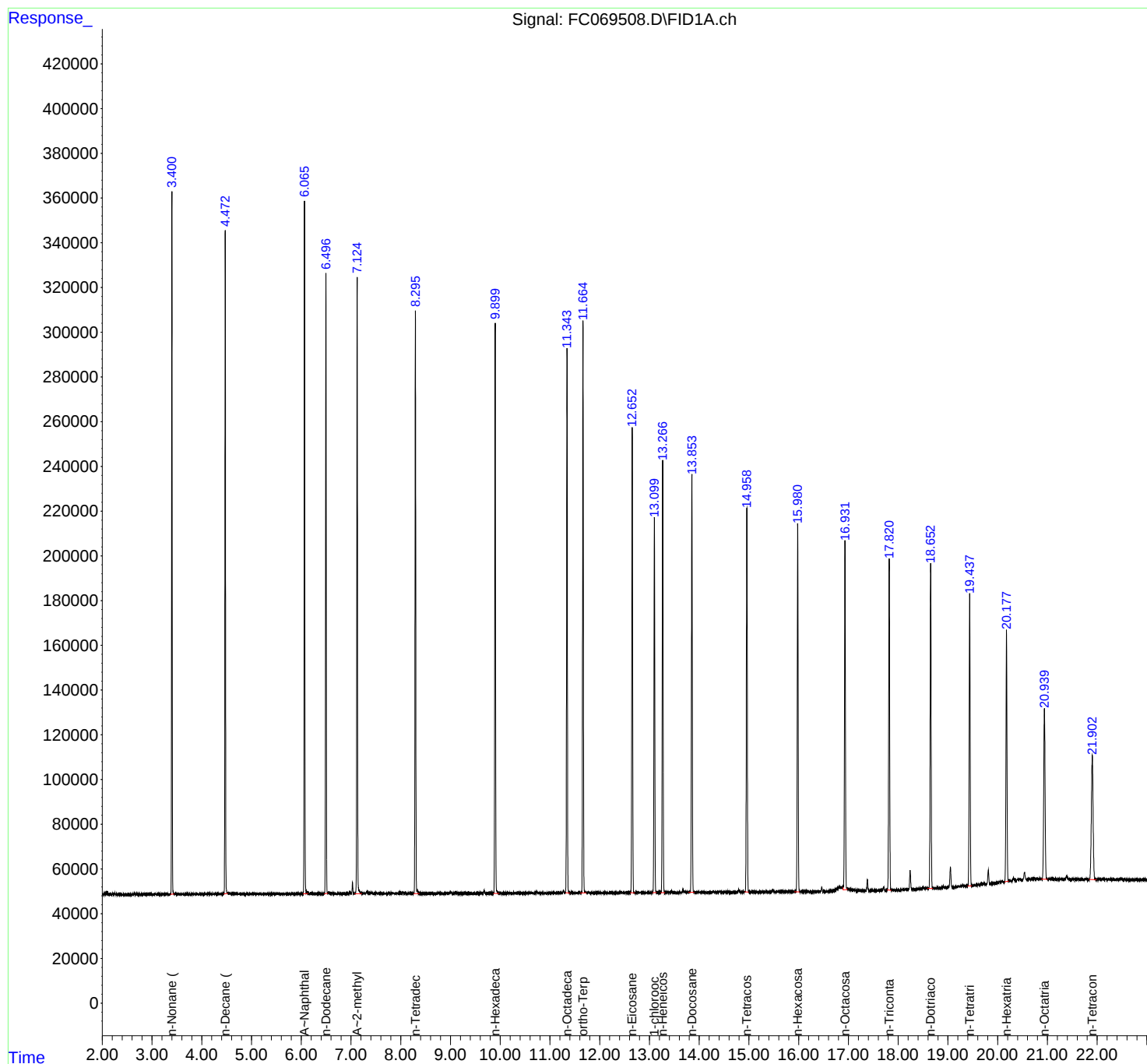
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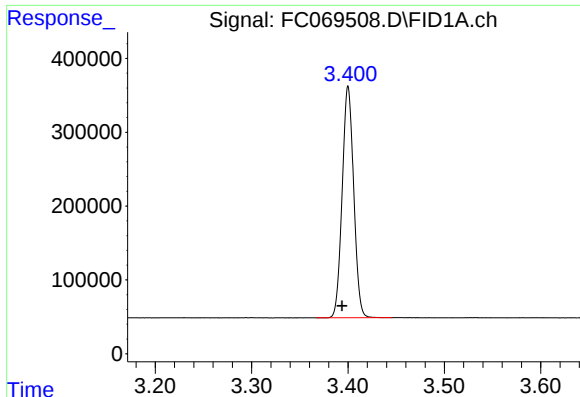
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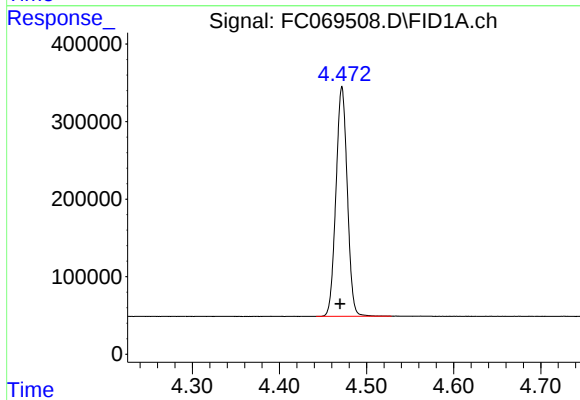
#1 n-Nonane (C9)

R.T.: 3.400 min
Delta R.T.: 0.006 min
Response: 2595218
Conc: 19.07 ug/ml

Instrument : FID_C
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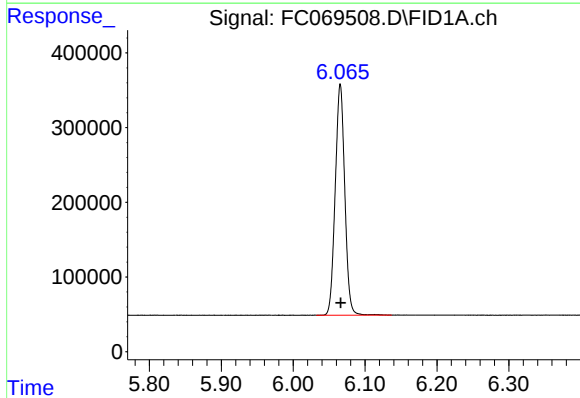
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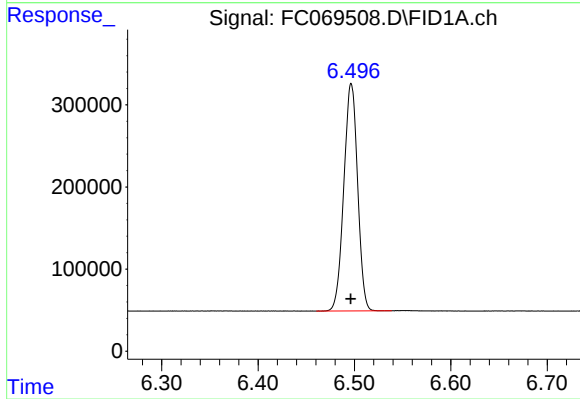
#2 n-Decane (C10)

R.T.: 4.472 min
Delta R.T.: 0.002 min
Response: 2673815
Conc: 19.21 ug/ml



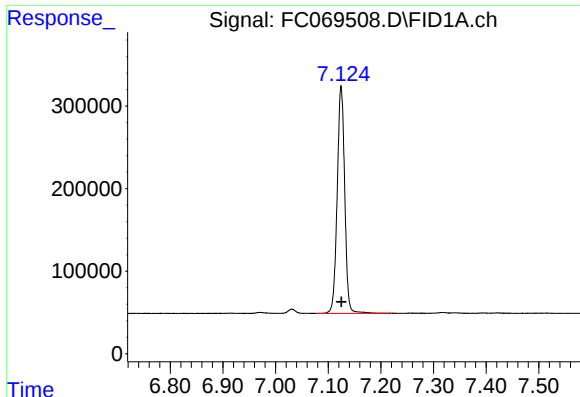
#3 A~Naphthalene (C11.7)

R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 2852890
Conc: 18.88 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.497 min
Delta R.T.: 0.000 min
Response: 2740971
Conc: 19.34 ug/ml



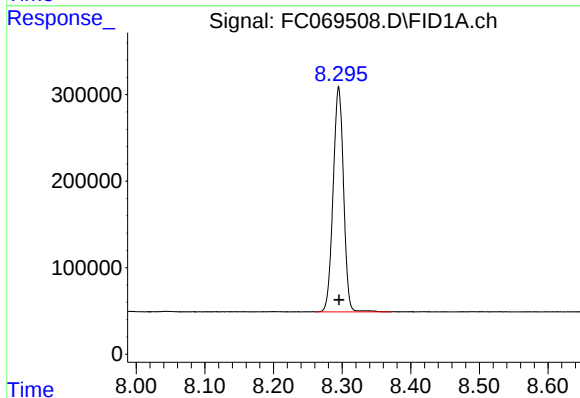
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 2736238
Conc: 18.73 ug/ml

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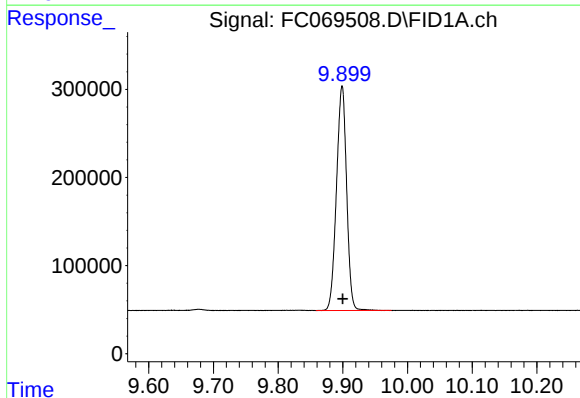
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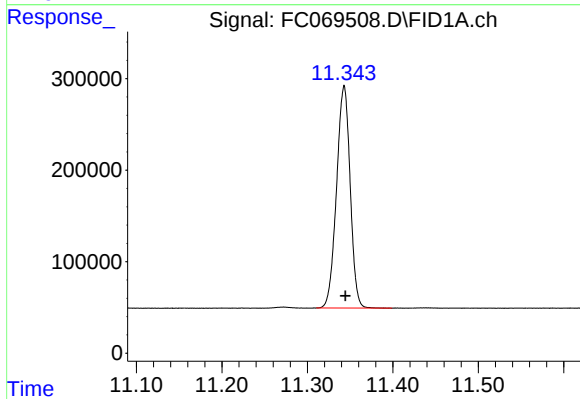
#6 n-Tetradecane (C14)

R.T.: 8.295 min
Delta R.T.: 0.000 min
Response: 2746050
Conc: 19.31 ug/ml



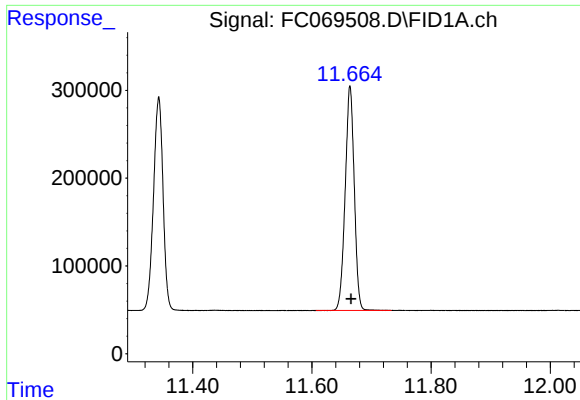
#7 n-Hexadecane (C16)

R.T.: 9.899 min
Delta R.T.: -0.001 min
Response: 2780523
Conc: 19.05 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.343 min
Delta R.T.: -0.002 min
Response: 2693005
Conc: 18.72 ug/ml



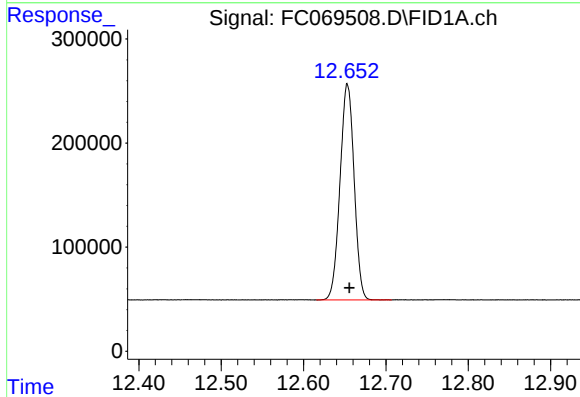
#9 ortho-Terphenyl (SURR)

R.T.: 11.664 min
Delta R.T.: -0.002 min
Response: 2704002
Conc: 18.22 ug/ml

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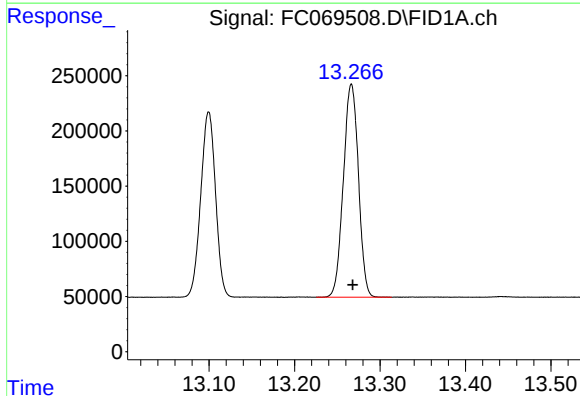
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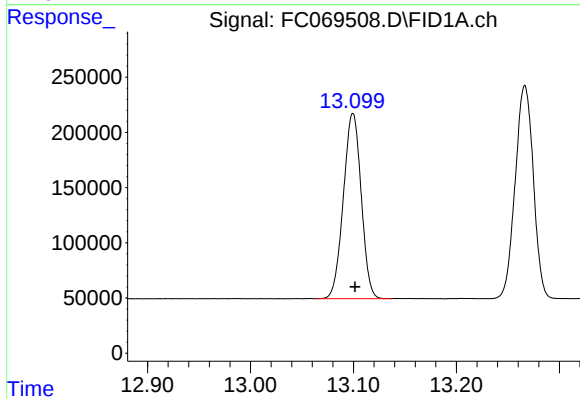
#10 n-Eicosane (C20)

R.T.: 12.653 min
Delta R.T.: -0.002 min
Response: 2466552
Conc: 18.37 ug/ml



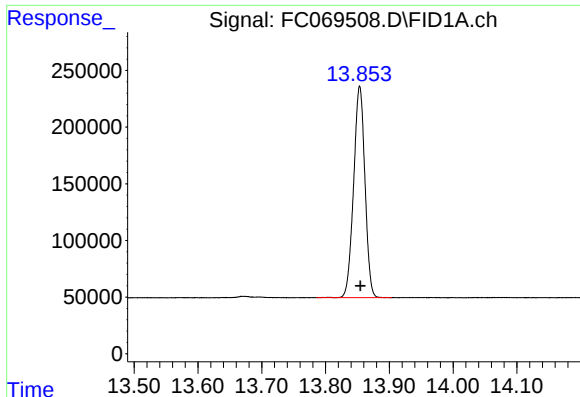
#11 n-Heneicosane (C21)

R.T.: 13.267 min
Delta R.T.: -0.002 min
Response: 2366055
Conc: 18.22 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.100 min
Delta R.T.: -0.002 min
Response: 2017742
Conc: 17.85 ug/ml



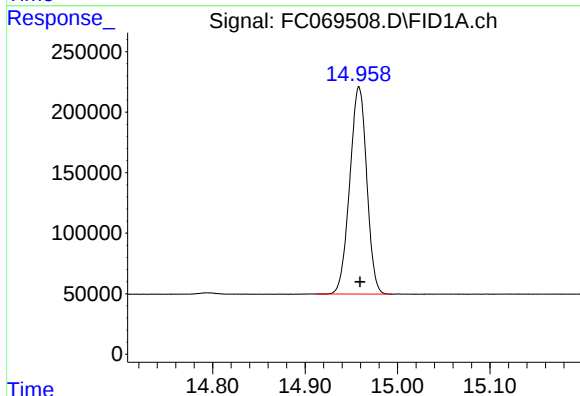
#13 n-Docosane (C22)

R.T.: 13.854 min
Delta R.T.: -0.001 min
Response: 2298427
Conc: 18.10 ug/ml

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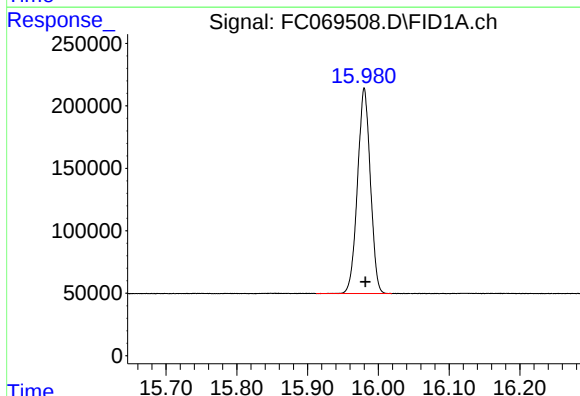
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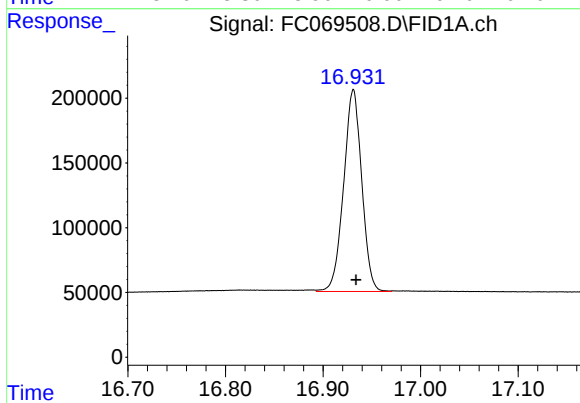
#14 n-Tetracosane (C24)

R.T.: 14.958 min
Delta R.T.: -0.001 min
Response: 2188372
Conc: 17.93 ug/ml



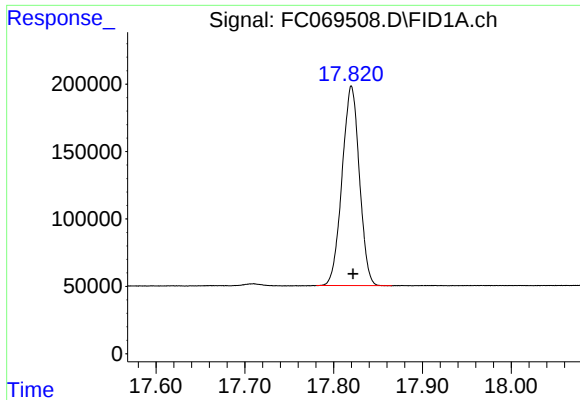
#15 n-Hexacosane (C26)

R.T.: 15.980 min
Delta R.T.: -0.002 min
Response: 2072774
Conc: 17.84 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.931 min
Delta R.T.: -0.003 min
Response: 2012283
Conc: 18.18 ug/ml m



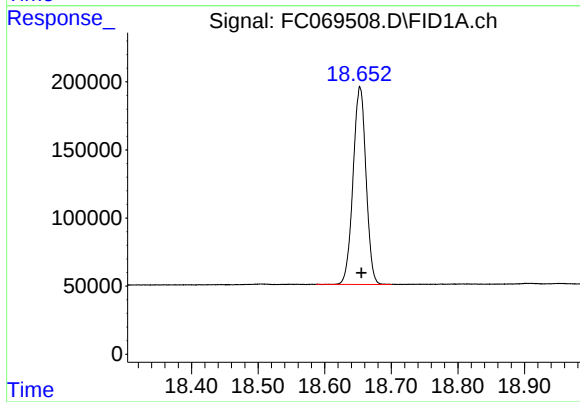
#17 n-Tricontane (C30)

R.T.: 17.820 min
Delta R.T.: -0.002 min
Response: 2005330
Conc: 18.31 ug/ml

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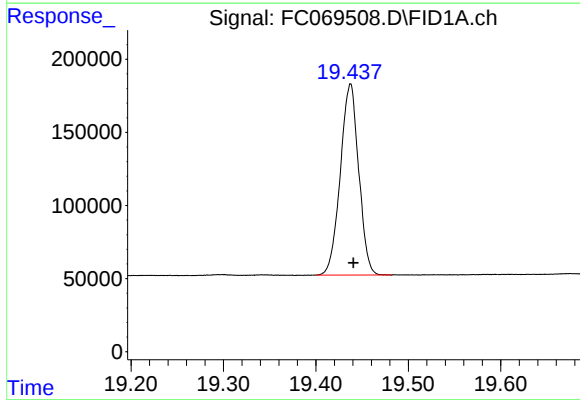
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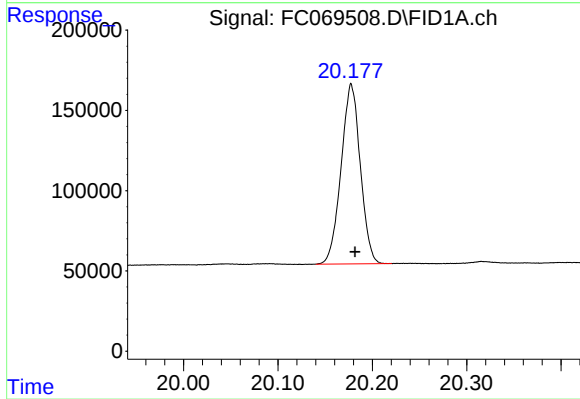
#18 n-Dotriacontane (C32)

R.T.: 18.653 min
Delta R.T.: -0.002 min
Response: 1960057
Conc: 18.89 ug/ml



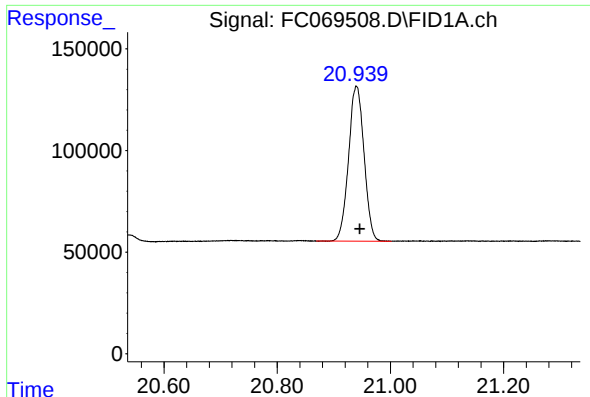
#19 n-Tetratriacontane (C34)

R.T.: 19.437 min
Delta R.T.: -0.004 min
Response: 1807152
Conc: 19.18 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.178 min
Delta R.T.: -0.004 min
Response: 1584411
Conc: 19.18 ug/ml



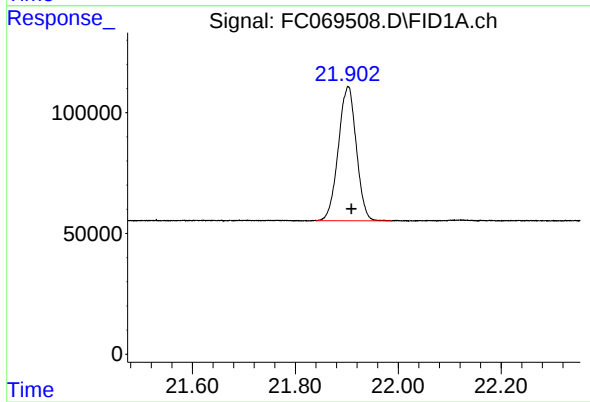
#21 n-Octatriacontane (C38)

R.T.: 20.940 min
Delta R.T.: -0.006 min
Response: 1447502
Conc: 19.06 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.903 min
Delta R.T.: -0.007 min
Response: 1347011
Conc: 18.39 ug/ml