

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060625AL\
 Data File : FC069120.D
 Signal(s) : FID1A.ch
 Acq On : 06 Jun 2025 20:47
 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 06/09/2025
 Supervised By :mohammad ahmed 06/10/2025

Integration File: autoint1.e
 Quant Time: Jun 07 02:43:11 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)	11.677	2379558	19.292 ug/ml
Spiked Amount 50.000		Recovery =	38.58%
12) S 1-chlorooctadecane (S...	13.113	1723357	19.209 ug/ml
Spiked Amount 50.000		Recovery =	38.42%
Target Compounds			
1) T n-Nonane (C9)	3.403	2078307	19.584 ug/ml
2) T n-Decane (C10)	4.477	2085399	19.691 ug/ml
3) T A~Naphthalene (C11.7)	6.073	2277342	19.694 ug/ml
4) T n-Dodecane (C12)	6.504	2057183	19.569 ug/ml
5) T A~2-methylnaphthalene...	7.132	2231655	19.685 ug/ml
6) T n-Tetradecane (C14)	8.304	1987306	19.388 ug/ml
7) T n-Hexadecane (C16)	9.909	1932030	19.041 ug/ml
8) T n-Octadecane (C18)	11.354	1896779	18.978 ug/mlm
10) T n-Eicosane (C20)	12.668	1842941	18.922 ug/ml
11) T n-Heneicosane (C21)	13.281	1826520	18.976 ug/ml
13) T n-Docosane (C22)	13.868	1820593	19.110 ug/ml
14) T n-Tetracosane (C24)	14.974	1817448	19.303 ug/ml
15) T n-Hexacosane (C26)	15.997	1787318	19.251 ug/ml
16) T n-Octacosane (C28)	16.949	1821473	19.596 ug/ml
17) T n-Tricontane (C30)	17.839	1947343	20.126 ug/ml
18) T n-Dotriacontane (C32)	18.674	2007043	20.253 ug/ml
19) T n-Tetratriacontane (C34)	19.460	1902369	19.738 ug/ml
20) T n-Hexatriacontane (C36)	20.201	1840924	19.392 ug/ml
21) T n-Octatriacontane (C38)	20.972	1754283	19.228 ug/ml
22) T n-Tetracontane (C40)	21.942	1695310	19.214 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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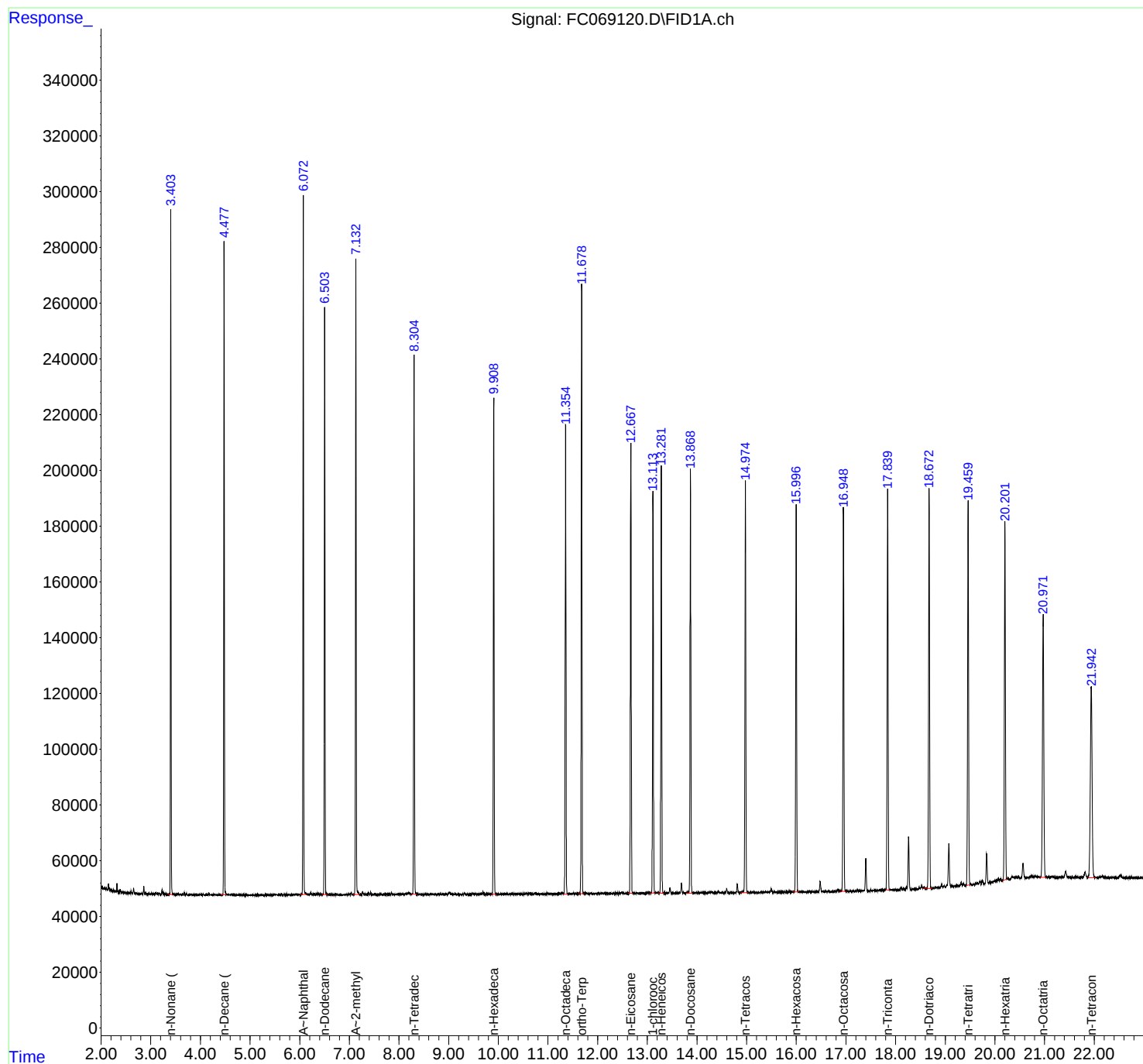
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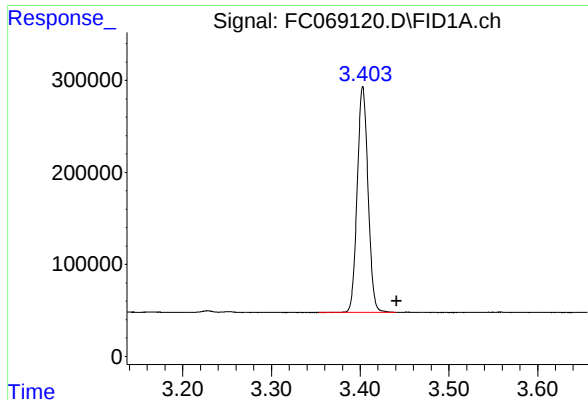
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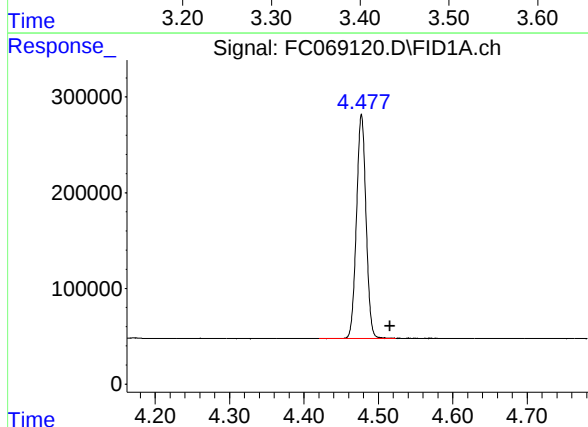
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.038 min
Response: 2078307
Conc: 19.58 ug/ml

Instrument :
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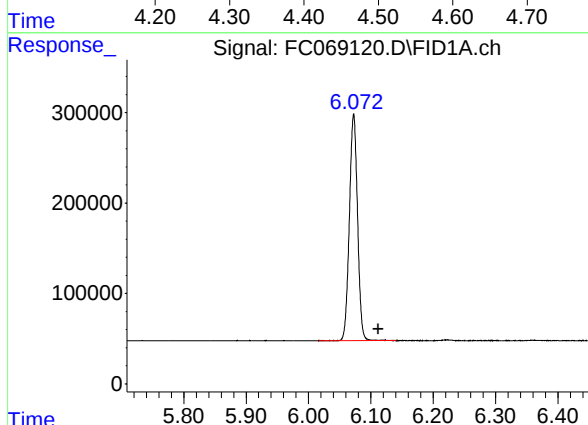
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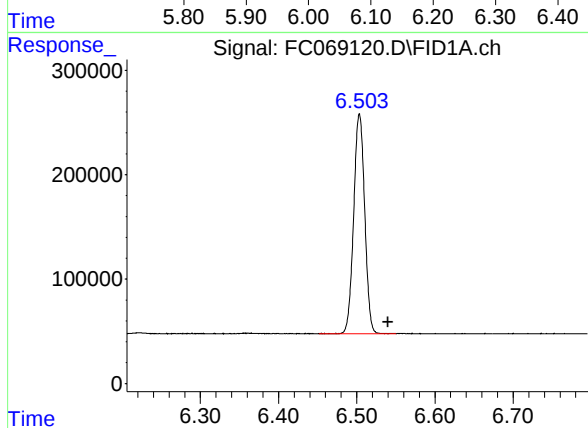
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: -0.038 min
Response: 2085399
Conc: 19.69 ug/ml



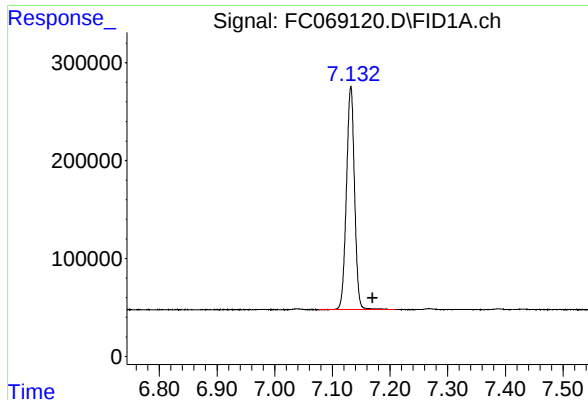
#3 A~Naphthalene (C11.7)

R.T.: 6.073 min
Delta R.T.: -0.039 min
Response: 2277342
Conc: 19.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.504 min
Delta R.T.: -0.036 min
Response: 2057183
Conc: 19.57 ug/ml



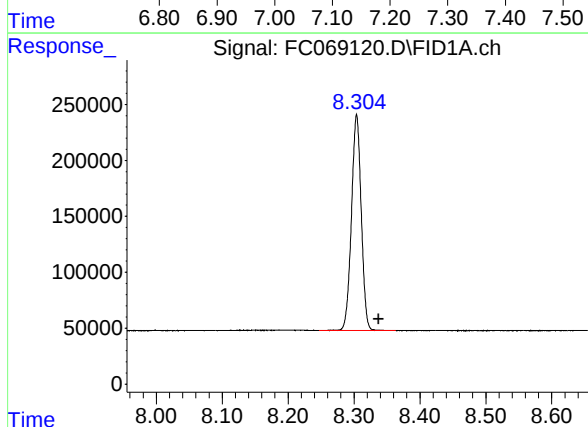
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.132 min
Delta R.T.: -0.038 min
Response: 2231655
Conc: 19.68 ug/ml

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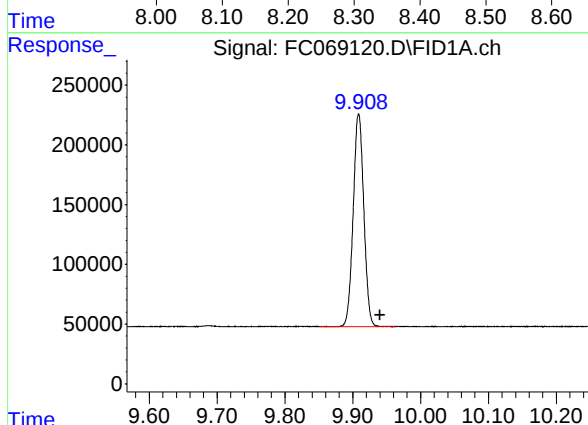
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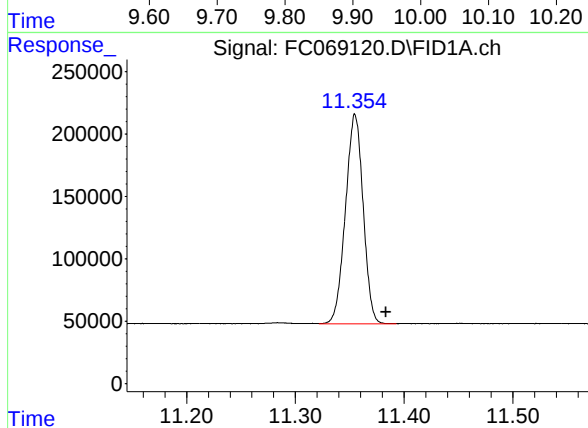
#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.033 min
Response: 1987306
Conc: 19.39 ug/ml



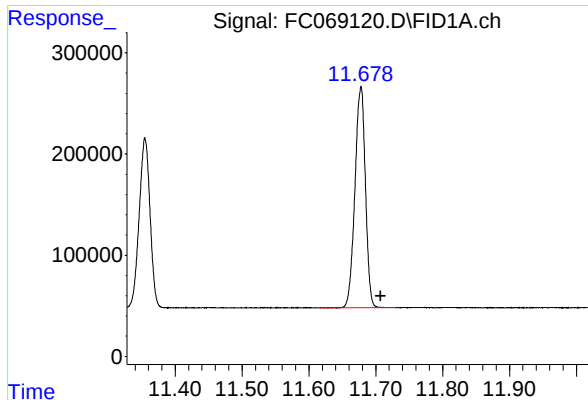
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.031 min
Response: 1932030
Conc: 19.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.354 min
Delta R.T.: -0.029 min
Response: 1896779
Conc: 18.98 ug/ml m



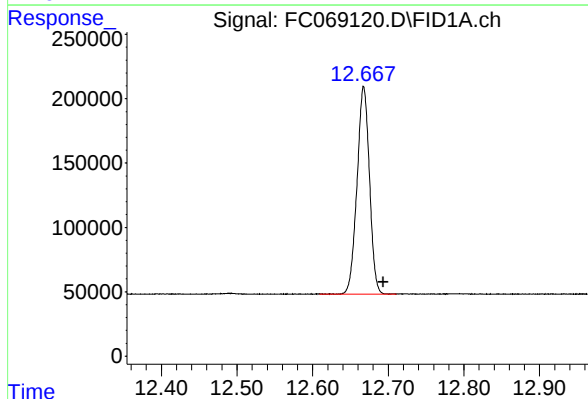
#9 ortho-Terphenyl (SURR)

R.T.: 11.677 min
Delta R.T.: -0.029 min
Response: 2379558
Conc: 19.29 ug/ml

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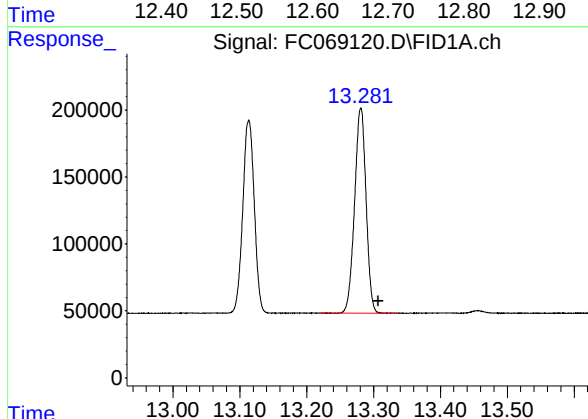
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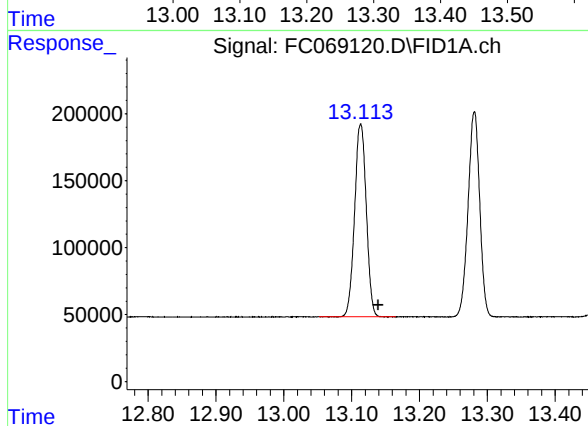
#10 n-Eicosane (C20)

R.T.: 12.668 min
Delta R.T.: -0.026 min
Response: 1842941
Conc: 18.92 ug/ml



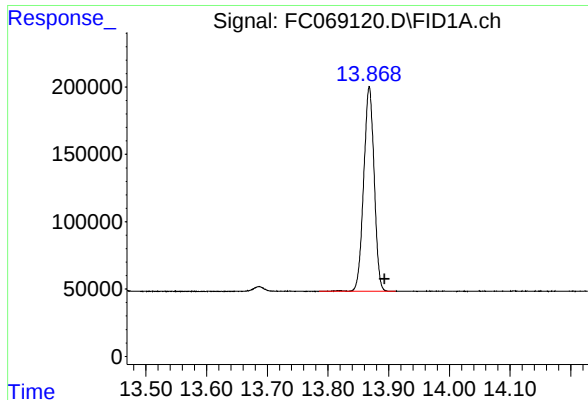
#11 n-Heneicosane (C21)

R.T.: 13.281 min
Delta R.T.: -0.026 min
Response: 1826520
Conc: 18.98 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.026 min
Response: 1723357
Conc: 19.21 ug/ml



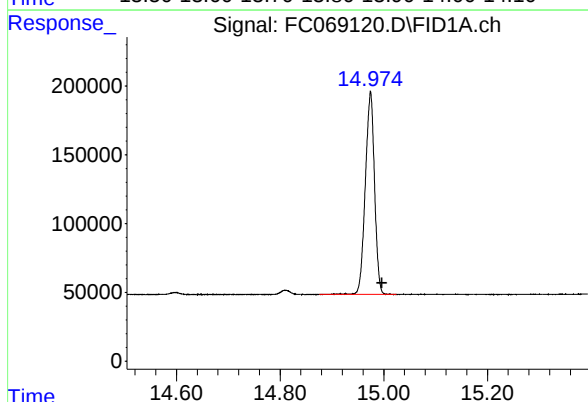
#13 n-Docosane (C22)

R.T.: 13.868 min
Delta R.T.: -0.025 min
Response: 1820593
Conc: 19.11 ug/ml

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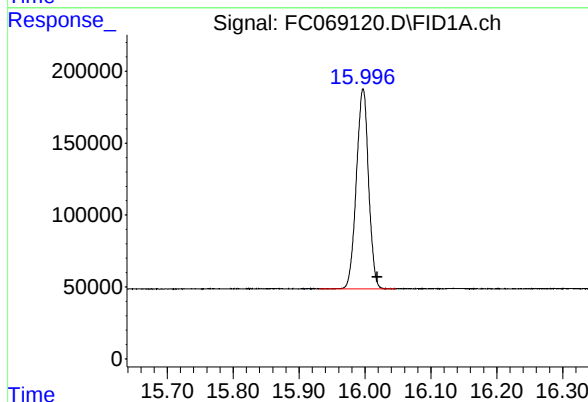
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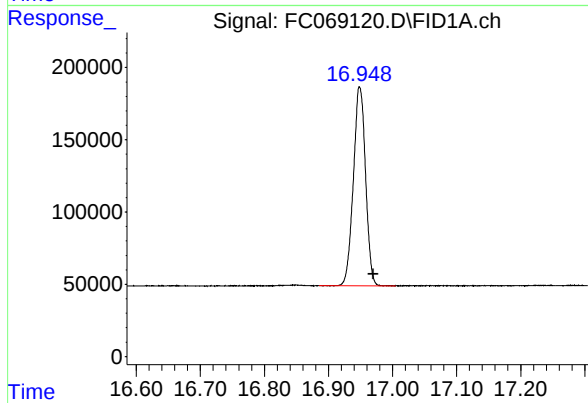
#14 n-Tetracosane (C24)

R.T.: 14.974 min
Delta R.T.: -0.023 min
Response: 1817448
Conc: 19.30 ug/ml



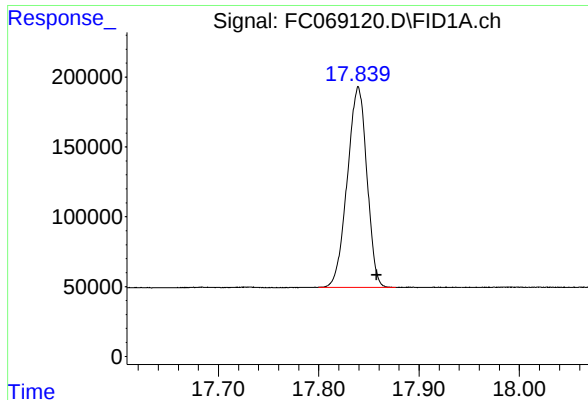
#15 n-Hexacosane (C26)

R.T.: 15.997 min
Delta R.T.: -0.022 min
Response: 1787318
Conc: 19.25 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.949 min
Delta R.T.: -0.021 min
Response: 1821473
Conc: 19.60 ug/ml



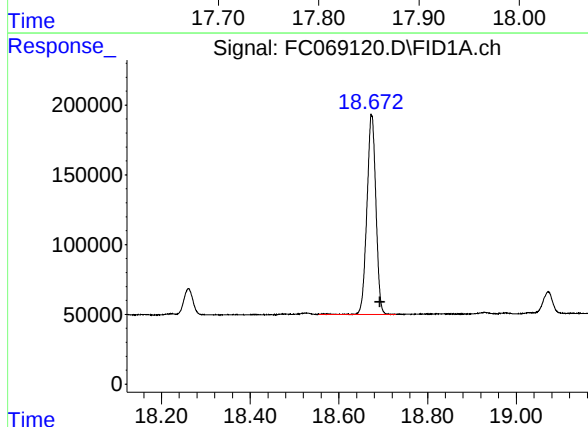
#17 n-Tricontane (C30)

R.T.: 17.839 min
Delta R.T.: -0.018 min
Response: 1947343
Conc: 20.13 ug/ml

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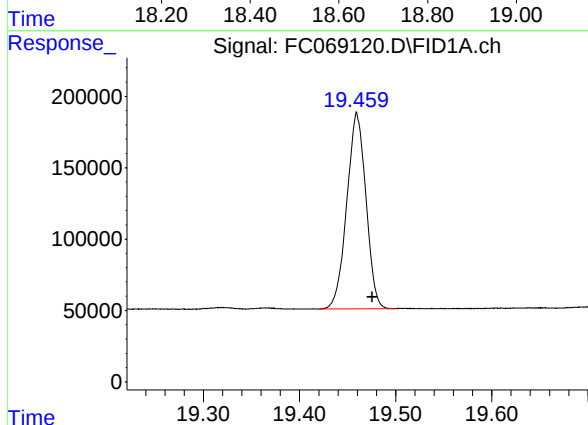
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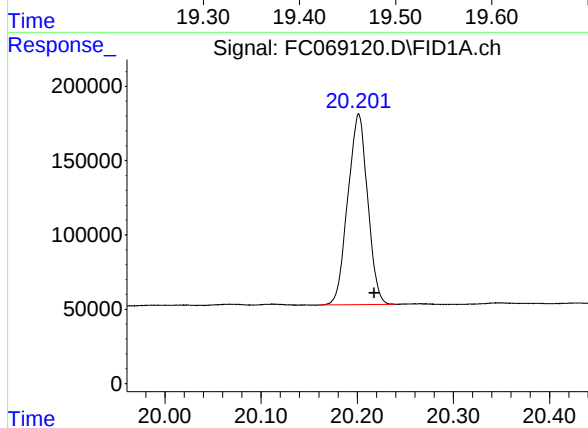
#18 n-Dotriacontane (C32)

R.T.: 18.674 min
Delta R.T.: -0.018 min
Response: 2007043
Conc: 20.25 ug/ml



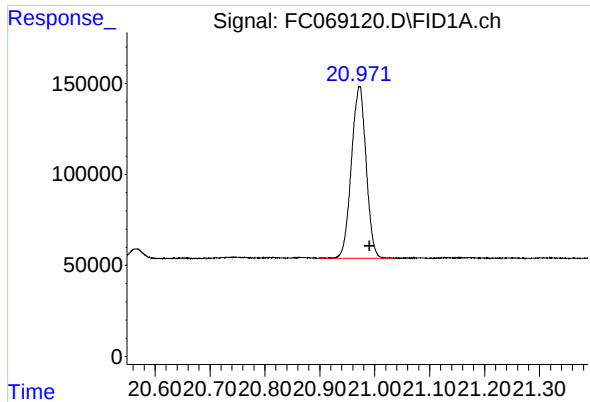
#19 n-Tetratriacontane (C34)

R.T.: 19.460 min
Delta R.T.: -0.016 min
Response: 1902369
Conc: 19.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.201 min
Delta R.T.: -0.017 min
Response: 1840924
Conc: 19.39 ug/ml



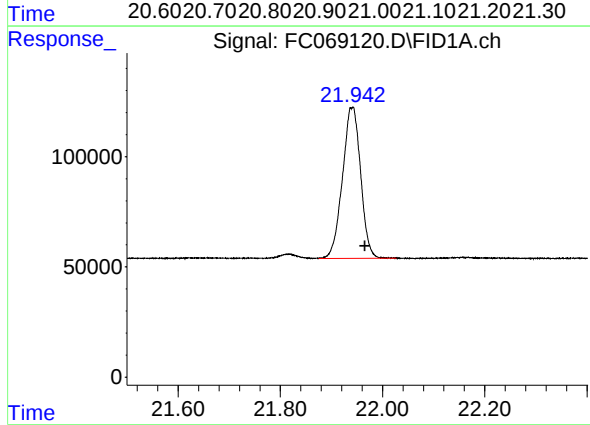
#21 n-Octatriacontane (C38)

R.T.: 20.972 min
Delta R.T.: -0.019 min
Response: 1754283
Conc: 19.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.942 min
Delta R.T.: -0.023 min
Response: 1695310
Conc: 19.21 ug/ml m