

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052025AL\
 Data File : FC068938.D
 Signal(s) : FID1A.ch
 Acq On : 20 May 2025 20:42
 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 05/21/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File: autoint1.e
 Quant Time: May 21 05:25:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:52:03 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)	11.707	2039412	17.868 ug/ml
Spiked Amount 50.000		Recovery =	35.74%
12) S 1-chlorooctadecane (S...	13.139	1470360	18.328 ug/ml
Spiked Amount 50.000		Recovery =	36.66%
Target Compounds			
1) T n-Nonane (C9)	3.442	1732891	17.229 ug/ml
2) T n-Decane (C10)	4.517	1787132	17.936 ug/ml
3) T A~Naphthalene (C11.7)	6.113	1934957	17.549 ug/ml
4) T n-Dodecane (C12)	6.541	1756627	18.076 ug/ml
5) T A~2-methylnaphthalene...	7.172	1897708	17.681 ug/ml
6) T n-Tetradecane (C14)	8.338	1693539	18.323 ug/ml
7) T n-Hexadecane (C16)	9.940	1662831	18.570 ug/ml
8) T n-Octadecane (C18)	11.383	1623045	18.503 ug/ml
10) T n-Eicosane (C20)	12.693	1574356	18.474 ug/ml
11) T n-Heneicosane (C21)	13.306	1553662	18.420 ug/ml
13) T n-Docosane (C22)	13.893	1554386	18.580 ug/ml
14) T n-Tetracosane (C24)	14.995	1574785	18.926 ug/ml
15) T n-Hexacosane (C26)	16.017	1597213	19.278 ug/ml
16) T n-Octacosane (C28)	16.968	1739737	21.051 ug/ml
17) T n-Tricontane (C30)	17.857	2038530	24.093 ug/mlm
18) T n-Dotriacontane (C32)	18.689	2147653	24.933 ug/mlm
19) T n-Tetratriacontane (C34)	19.474	2034029	23.874 ug/ml
20) T n-Hexatriacontane (C36)	20.214	1895137	22.050 ug/ml
21) T n-Octatriacontane (C38)	20.985	1784290	21.271 ug/ml
22) T n-Tetracontane (C40)	21.960	1736719	21.191 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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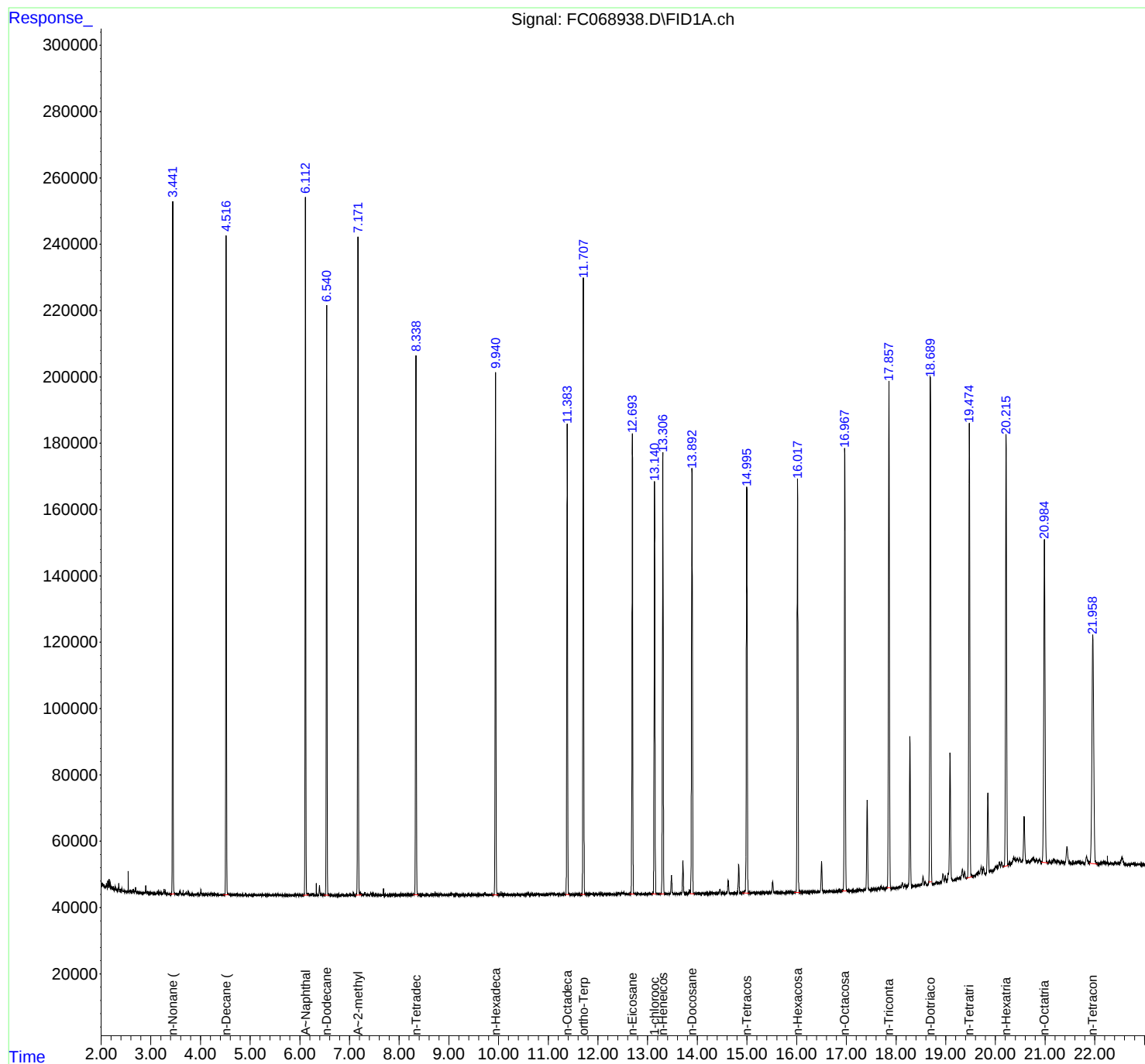
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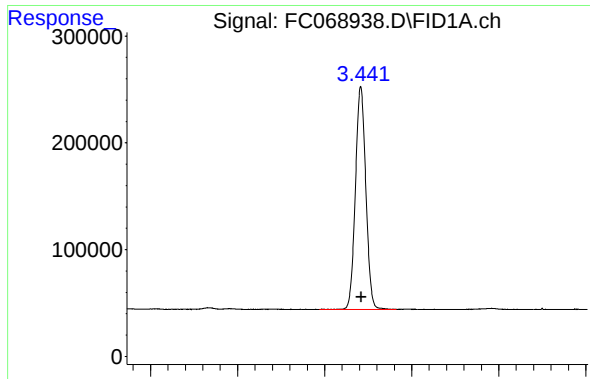
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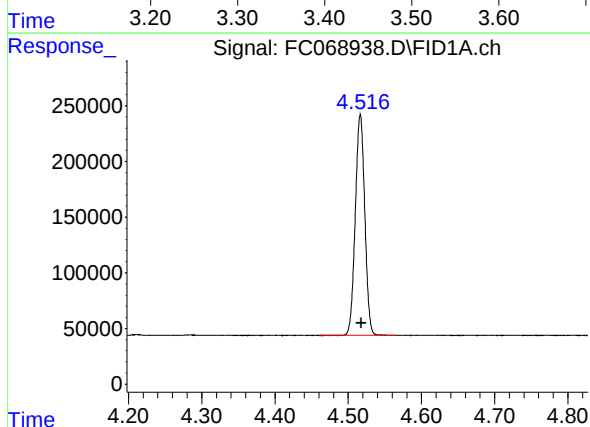
#1 n-Nonane (C9)

R.T.: 3.442 min
Delta R.T.: 0.000 min
Response: 1732891
Conc: 17.23 ug/ml

Instrument :
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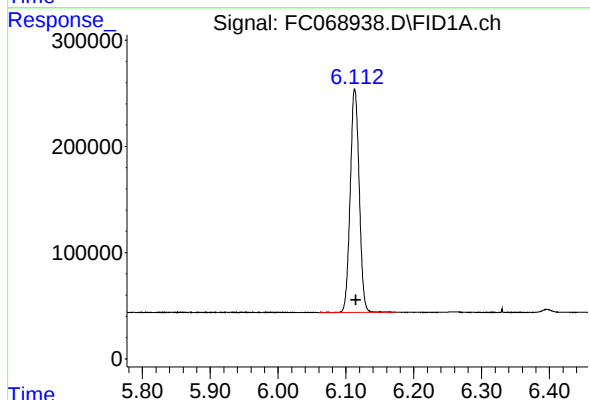
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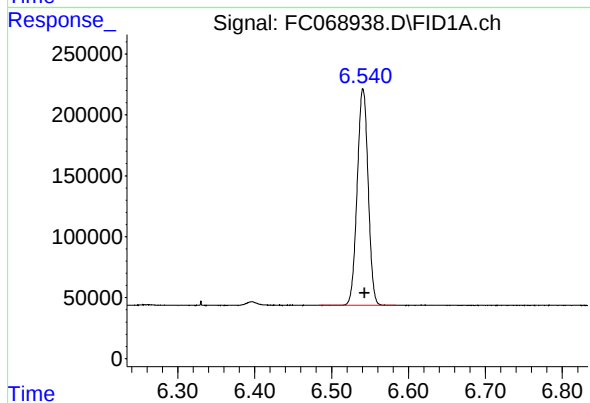
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: -0.001 min
Response: 1787132
Conc: 17.94 ug/ml



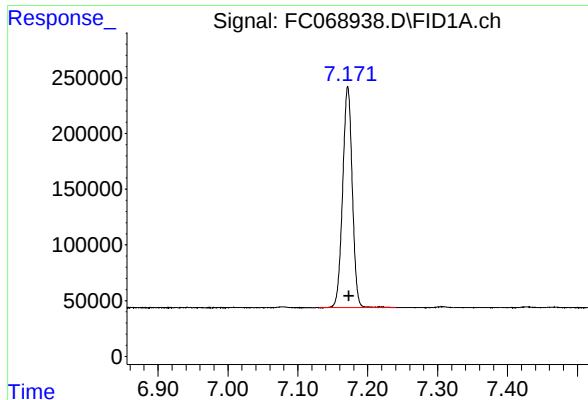
#3 A~Naphthalene (C11.7)

R.T.: 6.113 min
Delta R.T.: -0.001 min
Response: 1934957
Conc: 17.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.541 min
Delta R.T.: -0.002 min
Response: 1756627
Conc: 18.08 ug/ml



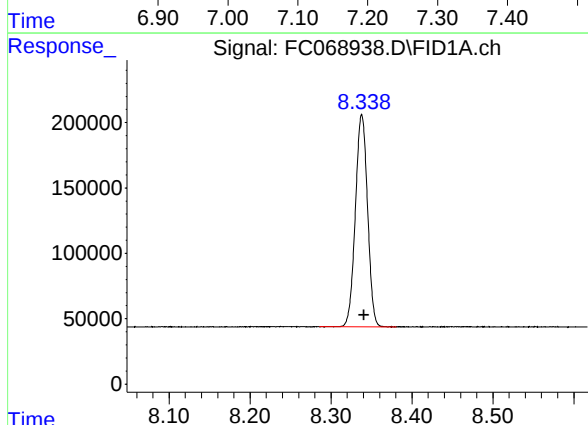
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.172 min
Delta R.T.: -0.002 min
Response: 1897708
Conc: 17.68 ug/ml

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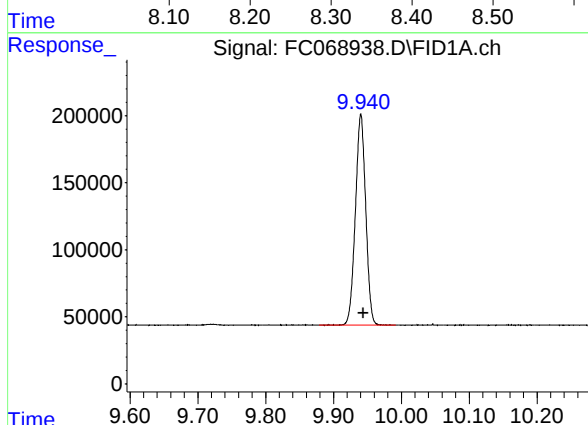
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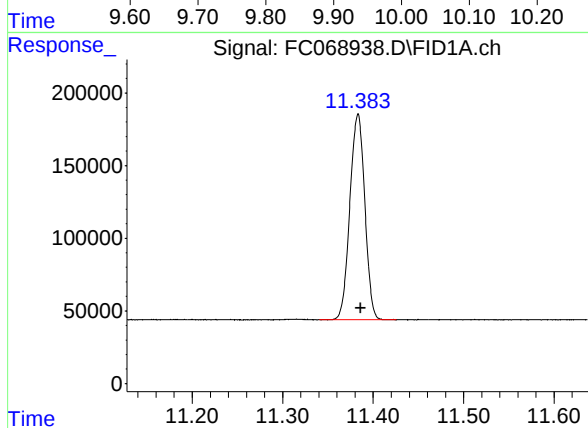
#6 n-Tetradecane (C14)

R.T.: 8.338 min
Delta R.T.: -0.003 min
Response: 1693539
Conc: 18.32 ug/ml



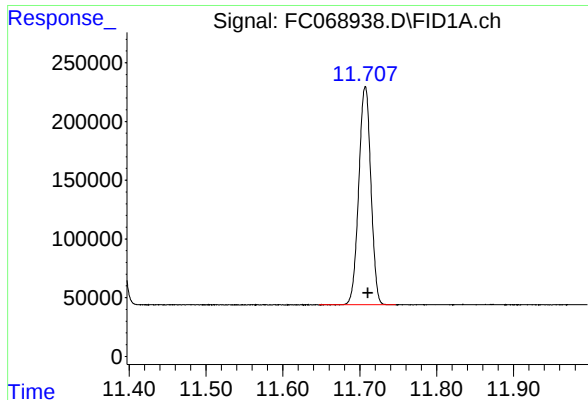
#7 n-Hexadecane (C16)

R.T.: 9.940 min
Delta R.T.: -0.003 min
Response: 1662831
Conc: 18.57 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.383 min
Delta R.T.: -0.003 min
Response: 1623045
Conc: 18.50 ug/ml



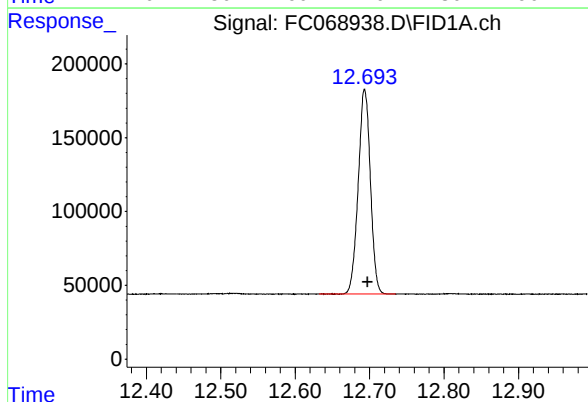
#9 ortho-Terphenyl (SURR)

R.T.: 11.707 min
Delta R.T.: -0.004 min
Response: 2039412
Conc: 17.87 ug/ml

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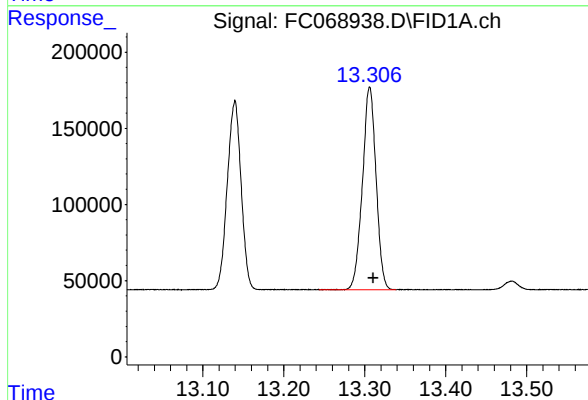
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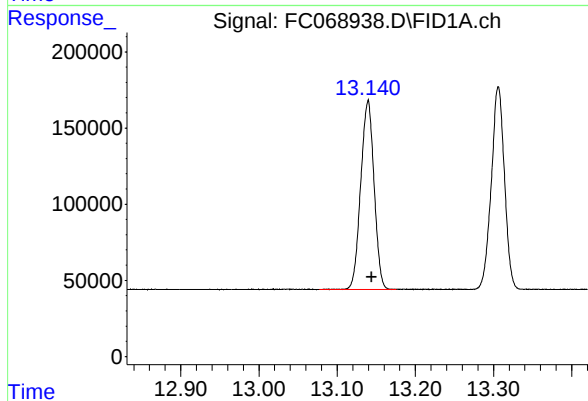
#10 n-Eicosane (C20)

R.T.: 12.693 min
Delta R.T.: -0.004 min
Response: 1574356
Conc: 18.47 ug/ml



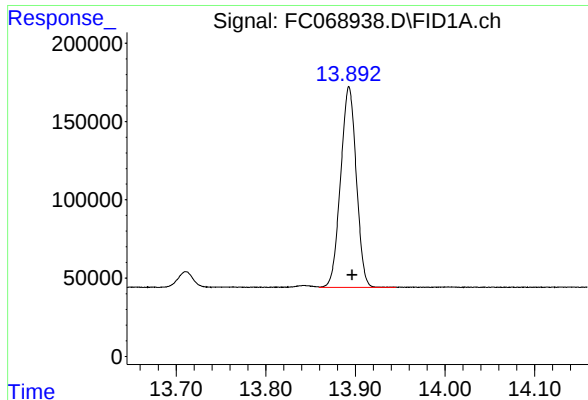
#11 n-Heneicosane (C21)

R.T.: 13.306 min
Delta R.T.: -0.004 min
Response: 1553662
Conc: 18.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.139 min
Delta R.T.: -0.005 min
Response: 1470360
Conc: 18.33 ug/ml



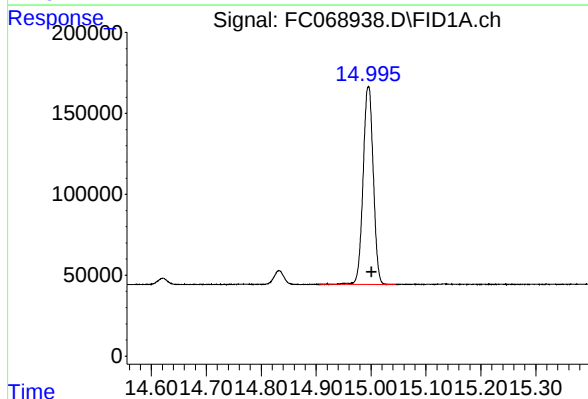
#13 n-Docosane (C22)

R.T.: 13.893 min
Delta R.T.: -0.004 min
Response: 1554386
Conc: 18.58 ug/ml

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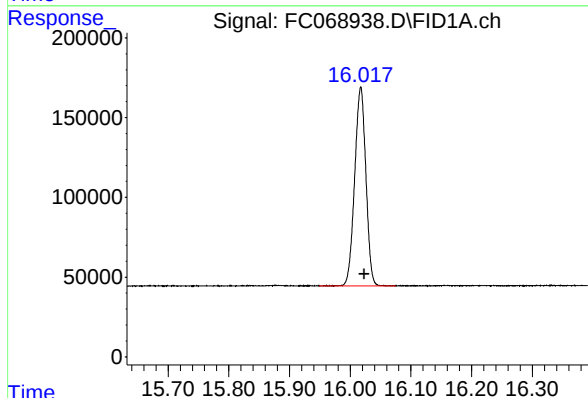
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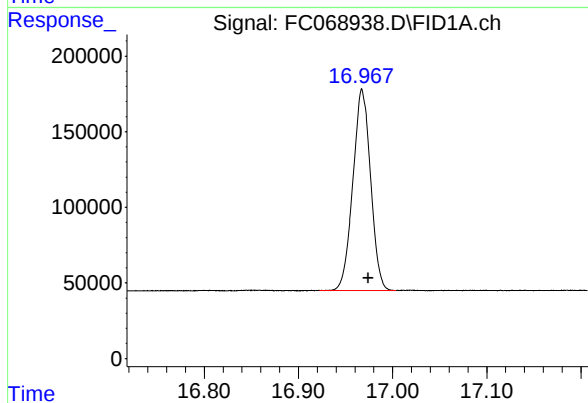
#14 n-Tetracosane (C24)

R.T.: 14.995 min
Delta R.T.: -0.006 min
Response: 1574785
Conc: 18.93 ug/ml



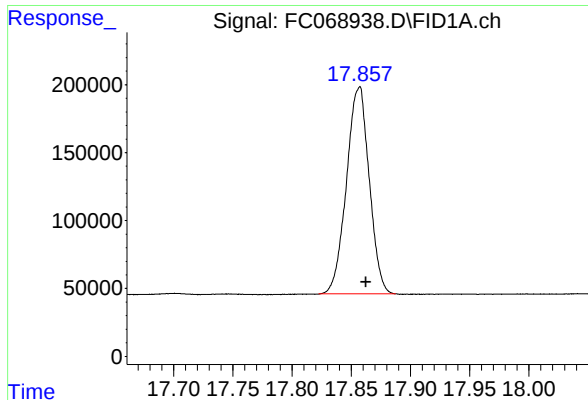
#15 n-Hexacosane (C26)

R.T.: 16.017 min
Delta R.T.: -0.006 min
Response: 1597213
Conc: 19.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.968 min
Delta R.T.: -0.006 min
Response: 1739737
Conc: 21.05 ug/ml



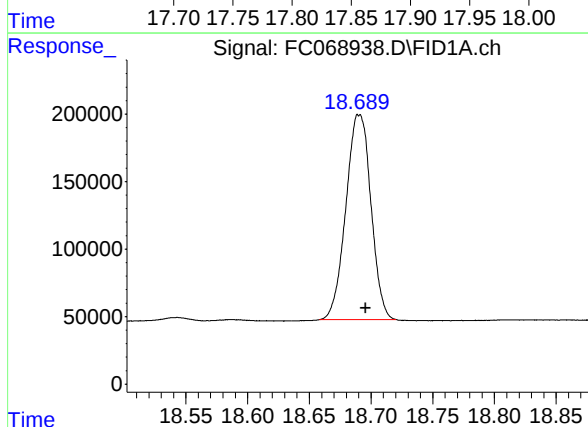
#17 n-Tricontane (C30)

R.T.: 17.857 min
Delta R.T.: -0.005 min
Response: 2038530
Conc: 24.09 ug/ml

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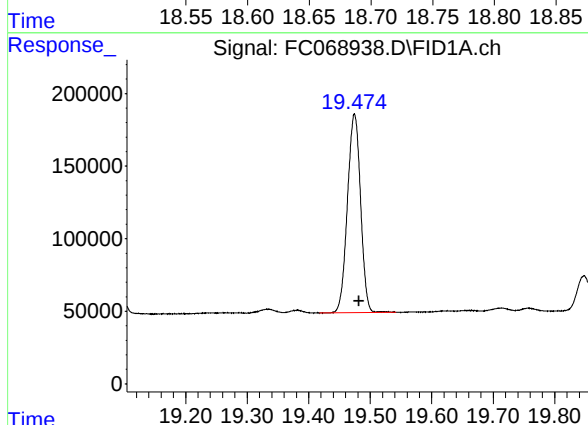
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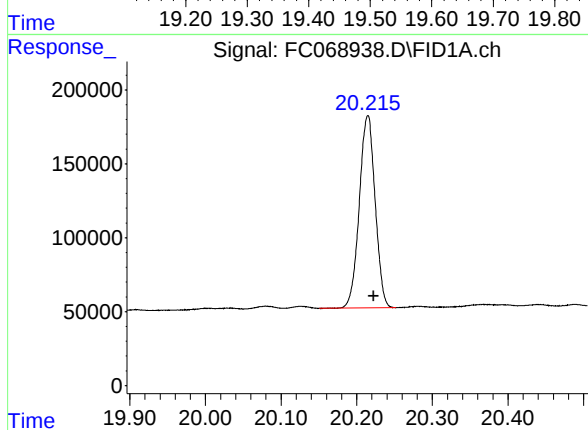
#18 n-Dotriacontane (C32)

R.T.: 18.689 min
Delta R.T.: -0.007 min
Response: 2147653
Conc: 24.93 ug/ml m



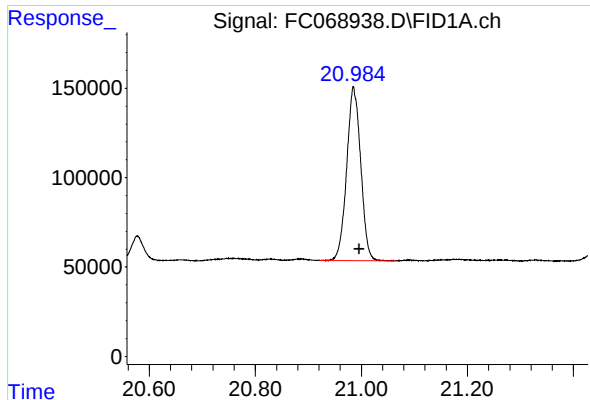
#19 n-Tetratriacontane (C34)

R.T.: 19.474 min
Delta R.T.: -0.007 min
Response: 2034029
Conc: 23.87 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.214 min
Delta R.T.: -0.008 min
Response: 1895137
Conc: 22.05 ug/ml



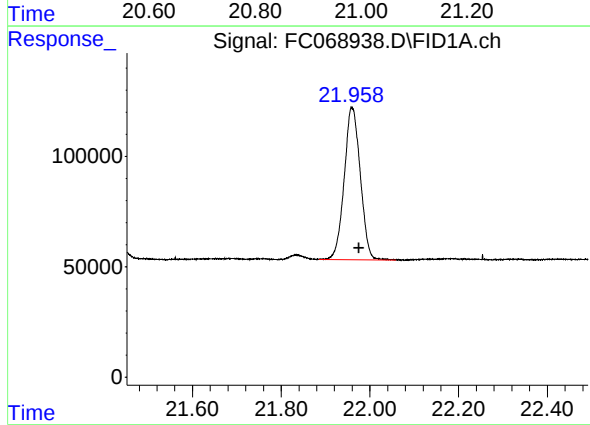
#21 n-Octatriacontane (C38)

R.T.: 20.985 min
Delta R.T.: -0.011 min
Response: 1784290
Conc: 21.27 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.960 min
Delta R.T.: -0.016 min
Response: 1736719
Conc: 21.19 ug/ml