

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052125AL\
 Data File : FC068971.D
 Signal(s) : FID1A.ch
 Acq On : 21 May 2025 23:10
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/22/2025
 Supervised By :mohammad ahmed 05/23/2025

Integration File: autoint1.e
 Quant Time: May 22 07:58:19 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)	11.706	2118325	18.559 ug/ml
Spiked Amount 50.000		Recovery =	37.12%
12) S 1-chlorooctadecane (S...	13.139	1563828	19.493 ug/ml
Spiked Amount 50.000		Recovery =	38.99%
Target Compounds			
1) T n-Nonane (C9)	3.442	1868896	18.581 ug/ml
2) T n-Decane (C10)	4.516	1864782	18.715 ug/ml
3) T A~Naphthalene (C11.7)	6.112	2022406	18.342 ug/ml
4) T n-Dodecane (C12)	6.540	1841615	18.951 ug/ml
5) T A~2-methylnaphthalene...	7.170	1984884	18.493 ug/ml
6) T n-Tetradecane (C14)	8.337	1781159	19.271 ug/ml
7) T n-Hexadecane (C16)	9.939	1745558	19.494 ug/ml
8) T n-Octadecane (C18)	11.382	1715335	19.555 ug/ml
10) T n-Eicosane (C20)	12.692	1677070	19.680 ug/ml
11) T n-Heneicosane (C21)	13.305	1659997	19.681 ug/ml
13) T n-Docosane (C22)	13.892	1650364	19.727 ug/ml
14) T n-Tetracosane (C24)	14.994	1637251	19.677 ug/ml
15) T n-Hexacosane (C26)	16.017	1614553	19.487 ug/ml
16) T n-Octacosane (C28)	16.968	1617603	19.573 ug/ml
17) T n-Tricontane (C30)	17.856	1693196	20.011 ug/ml
18) T n-Dotriacontane (C32)	18.688	1728596	20.068 ug/ml
19) T n-Tetratriacontane (C34)	19.472	1669641	19.597 ug/mlm
20) T n-Hexatriacontane (C36)	20.213	1631362	18.981 ug/ml
21) T n-Octatriacontane (C38)	20.984	1570580	18.723 ug/ml
22) T n-Tetracontane (C40)	21.960	1537396	18.759 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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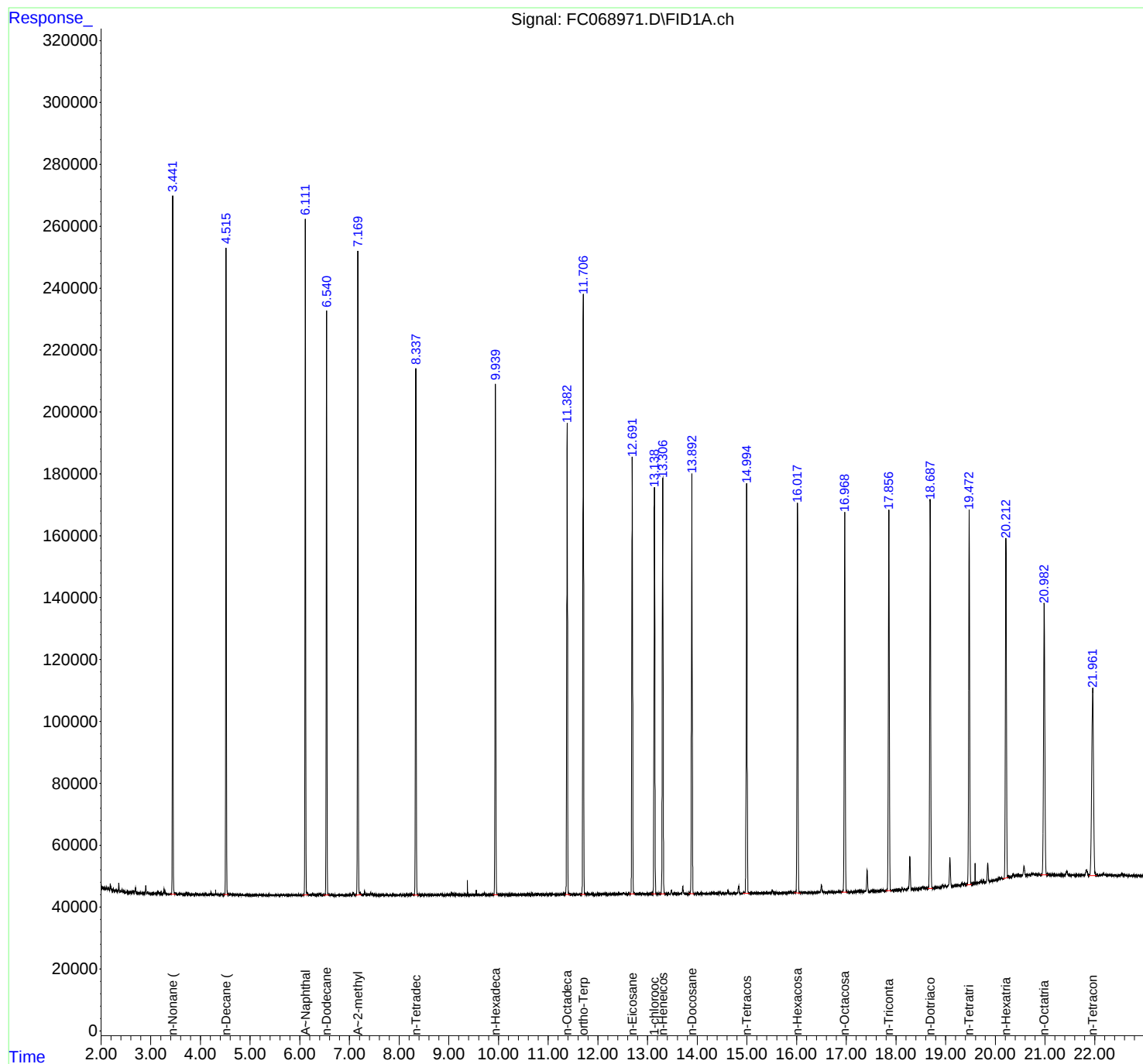
Instrument :
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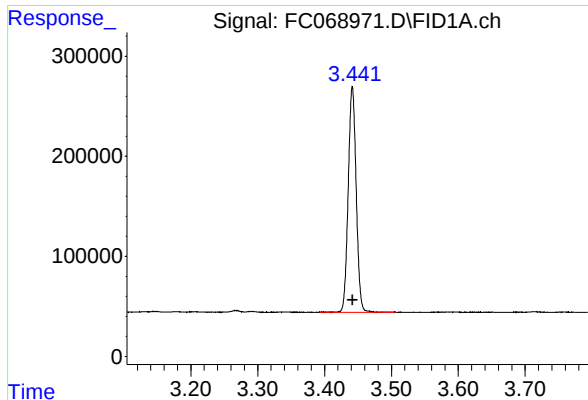
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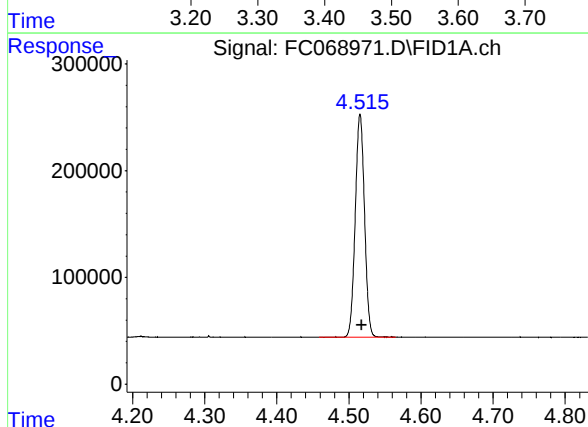
#1 n-Nonane (C9)

R.T.: 3.442 min
Delta R.T.: 0.000 min
Response: 1868896
Conc: 18.58 ug/ml

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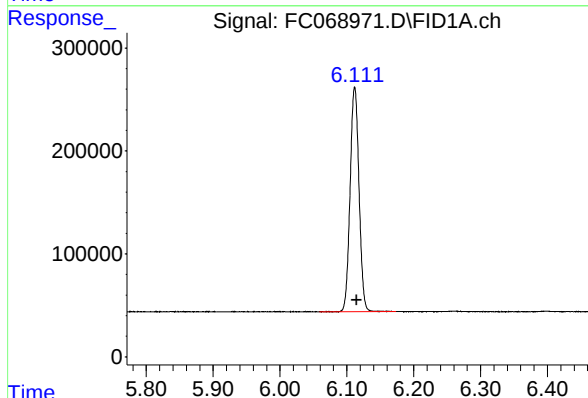
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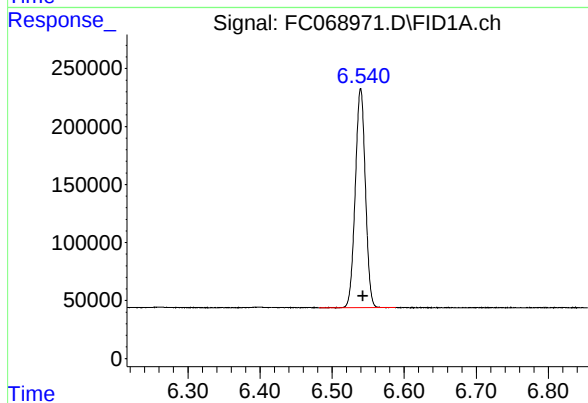
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: -0.002 min
Response: 1864782
Conc: 18.71 ug/ml



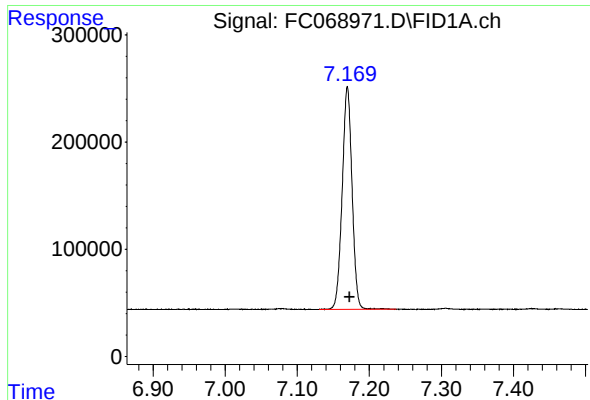
#3 A~Naphthalene (C11.7)

R.T.: 6.112 min
Delta R.T.: -0.003 min
Response: 2022406
Conc: 18.34 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.540 min
Delta R.T.: -0.003 min
Response: 1841615
Conc: 18.95 ug/ml



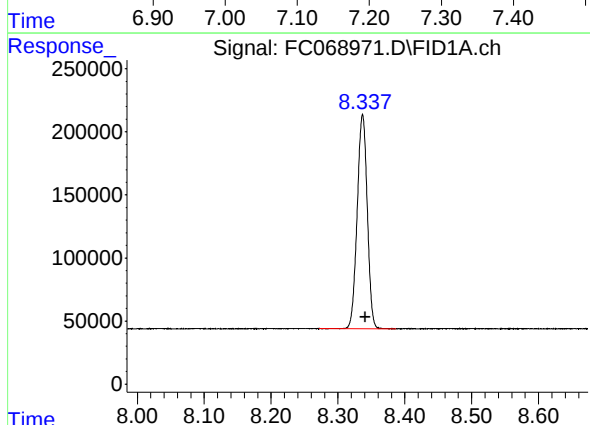
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.170 min
Delta R.T.: -0.003 min
Response: 1984884
Conc: 18.49 ug/ml

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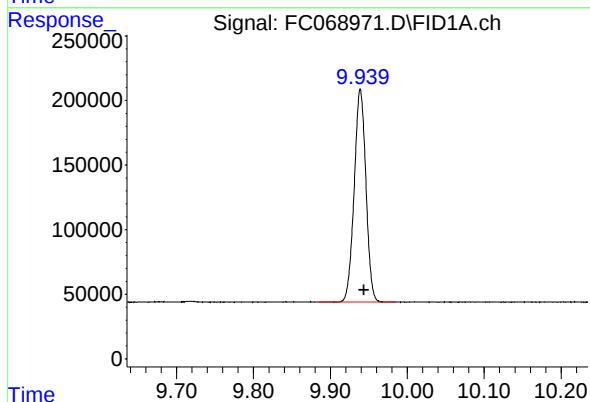
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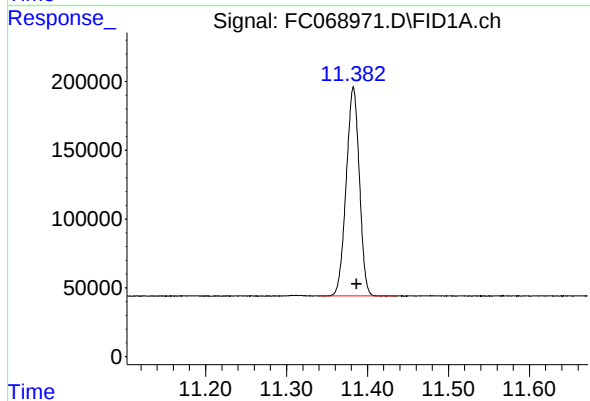
#6 n-Tetradecane (C14)

R.T.: 8.337 min
Delta R.T.: -0.004 min
Response: 1781159
Conc: 19.27 ug/ml



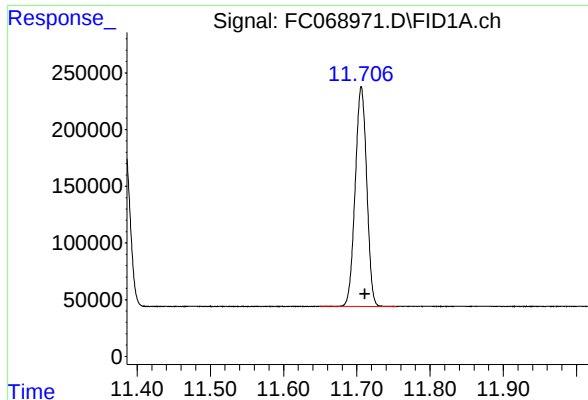
#7 n-Hexadecane (C16)

R.T.: 9.939 min
Delta R.T.: -0.005 min
Response: 1745558
Conc: 19.49 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.382 min
Delta R.T.: -0.004 min
Response: 1715335
Conc: 19.56 ug/ml



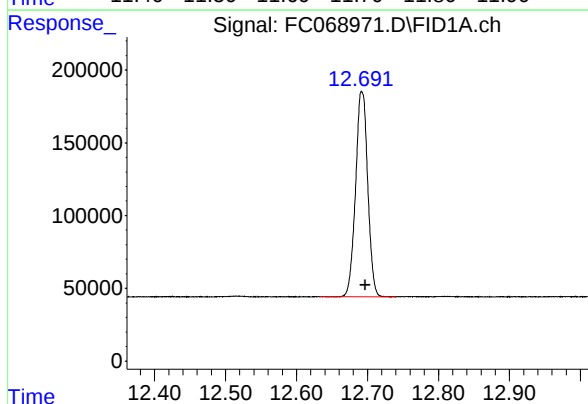
#9 ortho-Terphenyl (SURR)

R.T.: 11.706 min
Delta R.T.: -0.005 min
Response: 2118325
Conc: 18.56 ug/ml

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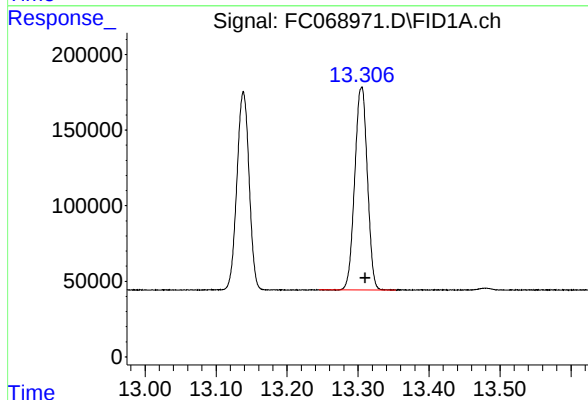
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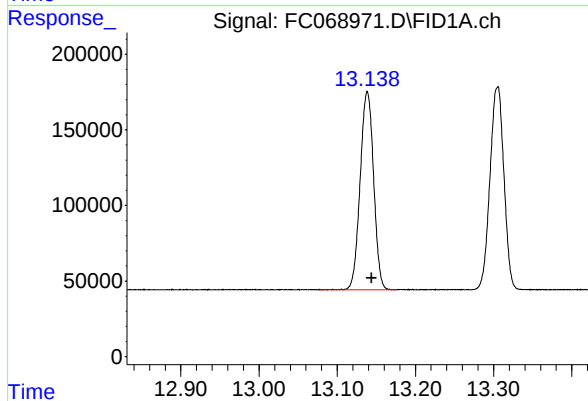
#10 n-Eicosane (C20)

R.T.: 12.692 min
Delta R.T.: -0.005 min
Response: 1677070
Conc: 19.68 ug/ml



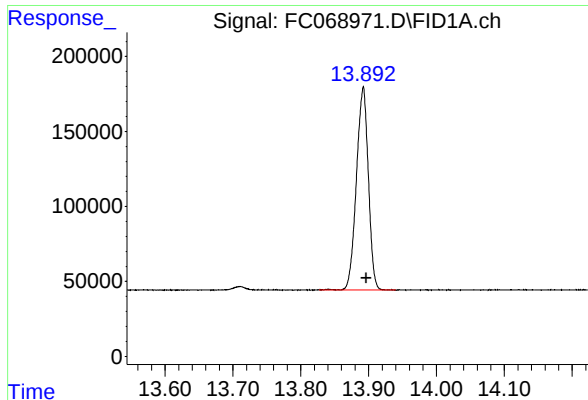
#11 n-Heneicosane (C21)

R.T.: 13.305 min
Delta R.T.: -0.005 min
Response: 1659997
Conc: 19.68 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.139 min
Delta R.T.: -0.005 min
Response: 1563828
Conc: 19.49 ug/ml



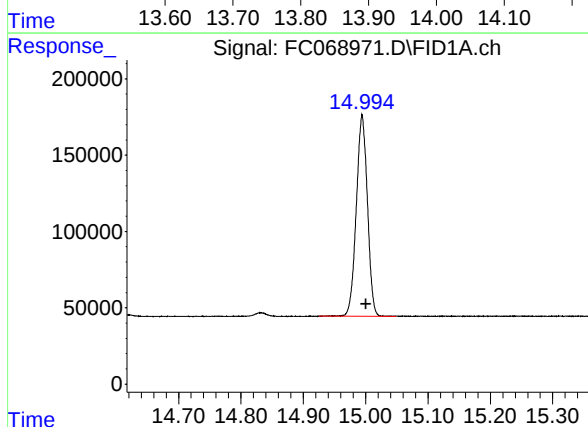
#13 n-Docosane (C22)

R.T.: 13.892 min
Delta R.T.: -0.005 min
Response: 1650364
Conc: 19.73 ug/ml

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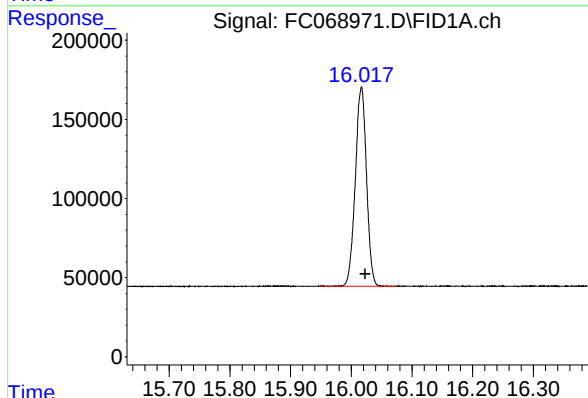
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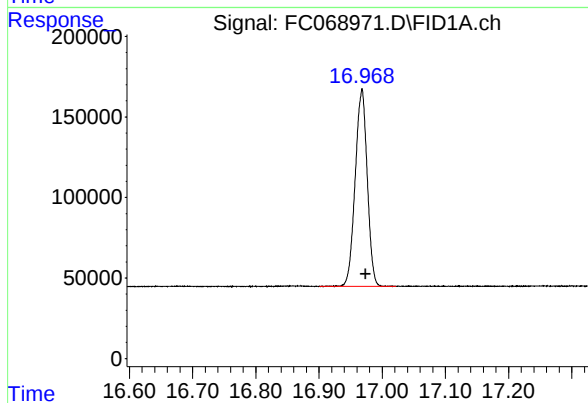
#14 n-Tetracosane (C24)

R.T.: 14.994 min
Delta R.T.: -0.006 min
Response: 1637251
Conc: 19.68 ug/ml



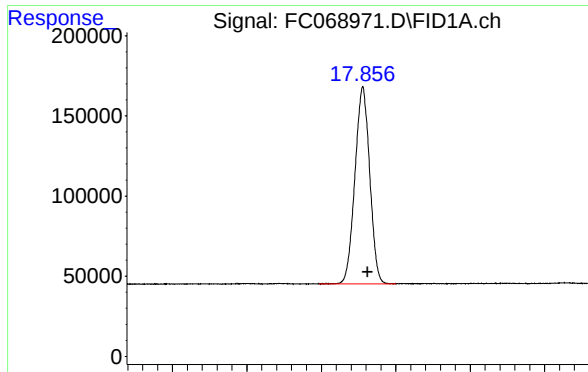
#15 n-Hexacosane (C26)

R.T.: 16.017 min
Delta R.T.: -0.007 min
Response: 1614553
Conc: 19.49 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.968 min
Delta R.T.: -0.006 min
Response: 1617603
Conc: 19.57 ug/ml



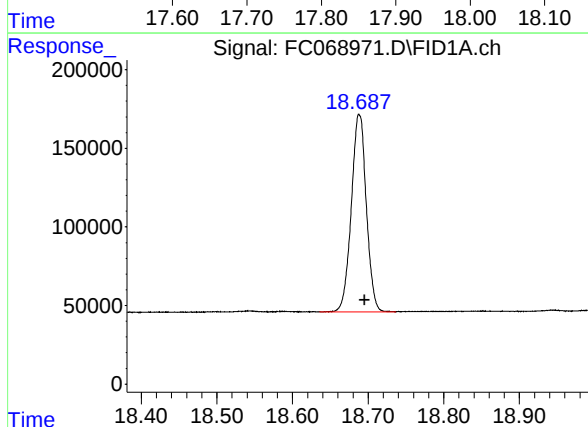
#17 n-Tricontane (C30)

R.T.: 17.856 min
Delta R.T.: -0.007 min
Response: 1693196
Conc: 20.01 ug/ml

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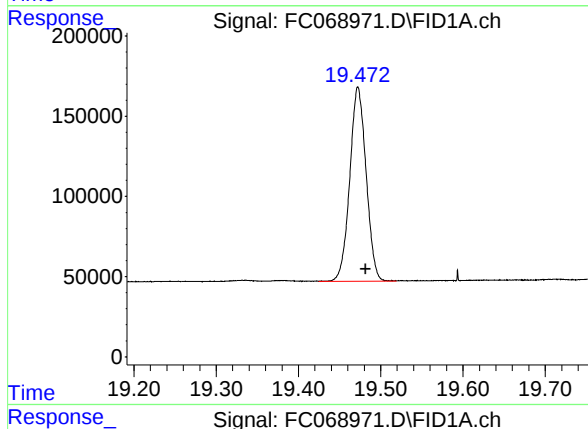
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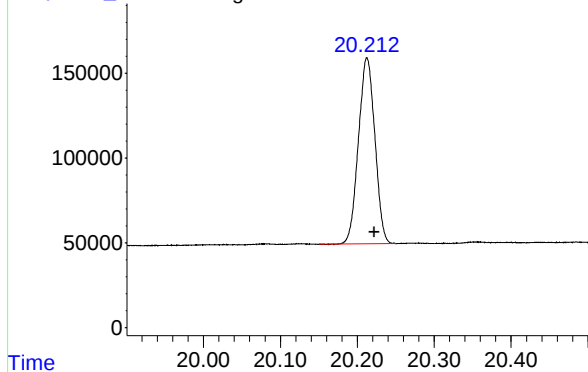
#18 n-Dotriacontane (C32)

R.T.: 18.688 min
Delta R.T.: -0.007 min
Response: 1728596
Conc: 20.07 ug/ml



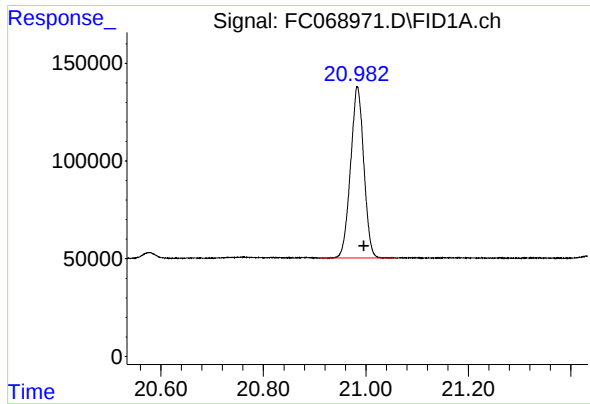
#19 n-Tetatriacontane (C34)

R.T.: 19.472 min
Delta R.T.: -0.010 min
Response: 1669641
Conc: 19.60 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.213 min
Delta R.T.: -0.010 min
Response: 1631362
Conc: 18.98 ug/ml



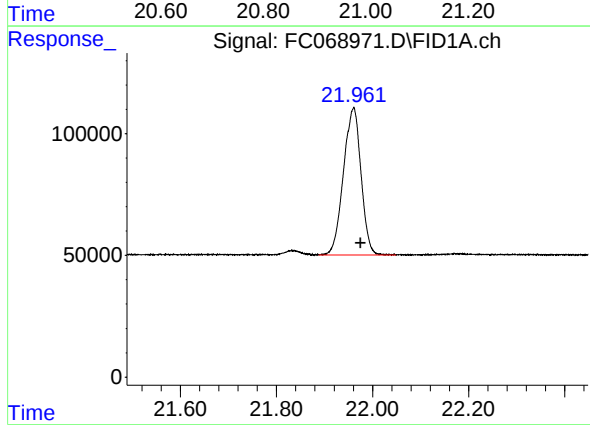
#21 n-Octatriacontane (C38)

R.T.: 20.984 min
Delta R.T.: -0.013 min
Response: 1570580
Conc: 18.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.960 min
Delta R.T.: -0.015 min
Response: 1537396
Conc: 18.76 ug/ml