

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051625AL\
 Data File : FC068911.D
 Signal(s) : FID1A.ch
 Acq On : 16 May 2025 20:20
 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 05/19/2025
 Supervised By :mohammad ahmed 05/20/2025

Integration File: autoint1.e
 Quant Time: May 19 07:19:56 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)	11.708	1967071	17.234 ug/ml
Spiked Amount 50.000		Recovery =	34.47%
12) S 1-chlorooctadecane (S...	13.140	1443554	17.994 ug/ml
Spiked Amount 50.000		Recovery =	35.99%
Target Compounds			
1) T n-Nonane (C9)	3.438	1624854	16.155 ug/mlm
2) T n-Decane (C10)	4.515	1628166	16.340 ug/ml
3) T A~Naphthalene (C11.7)	6.112	1784678	16.186 ug/ml
4) T n-Dodecane (C12)	6.539	1615012	16.619 ug/ml
5) T A~2-methylnaphthalene...	7.170	1756728	16.367 ug/ml
6) T n-Tetradecane (C14)	8.337	1585677	17.156 ug/ml
7) T n-Hexadecane (C16)	9.940	1590615	17.763 ug/ml
8) T n-Octadecane (C18)	11.383	1581878	18.034 ug/ml
10) T n-Eicosane (C20)	12.694	1545856	18.140 ug/ml
11) T n-Heneicosane (C21)	13.306	1534491	18.193 ug/ml
13) T n-Docosane (C22)	13.893	1528443	18.270 ug/ml
14) T n-Tetracosane (C24)	14.998	1542224	18.535 ug/ml
15) T n-Hexacosane (C26)	16.019	1543926	18.634 ug/ml
16) T n-Octacosane (C28)	16.971	1660782	20.095 ug/ml
17) T n-Tricontane (C30)	17.859	1938197	22.907 ug/ml
18) T n-Dotriacontane (C32)	18.693	2049694	23.796 ug/ml
19) T n-Tetratriacontane (C34)	19.477	1906828	22.381 ug/ml
20) T n-Hexatriacontane (C36)	20.217	1813009	21.094 ug/ml
21) T n-Octatriacontane (C38)	20.991	1695349	20.211 ug/ml
22) T n-Tetracontane (C40)	21.969	1646408	20.089 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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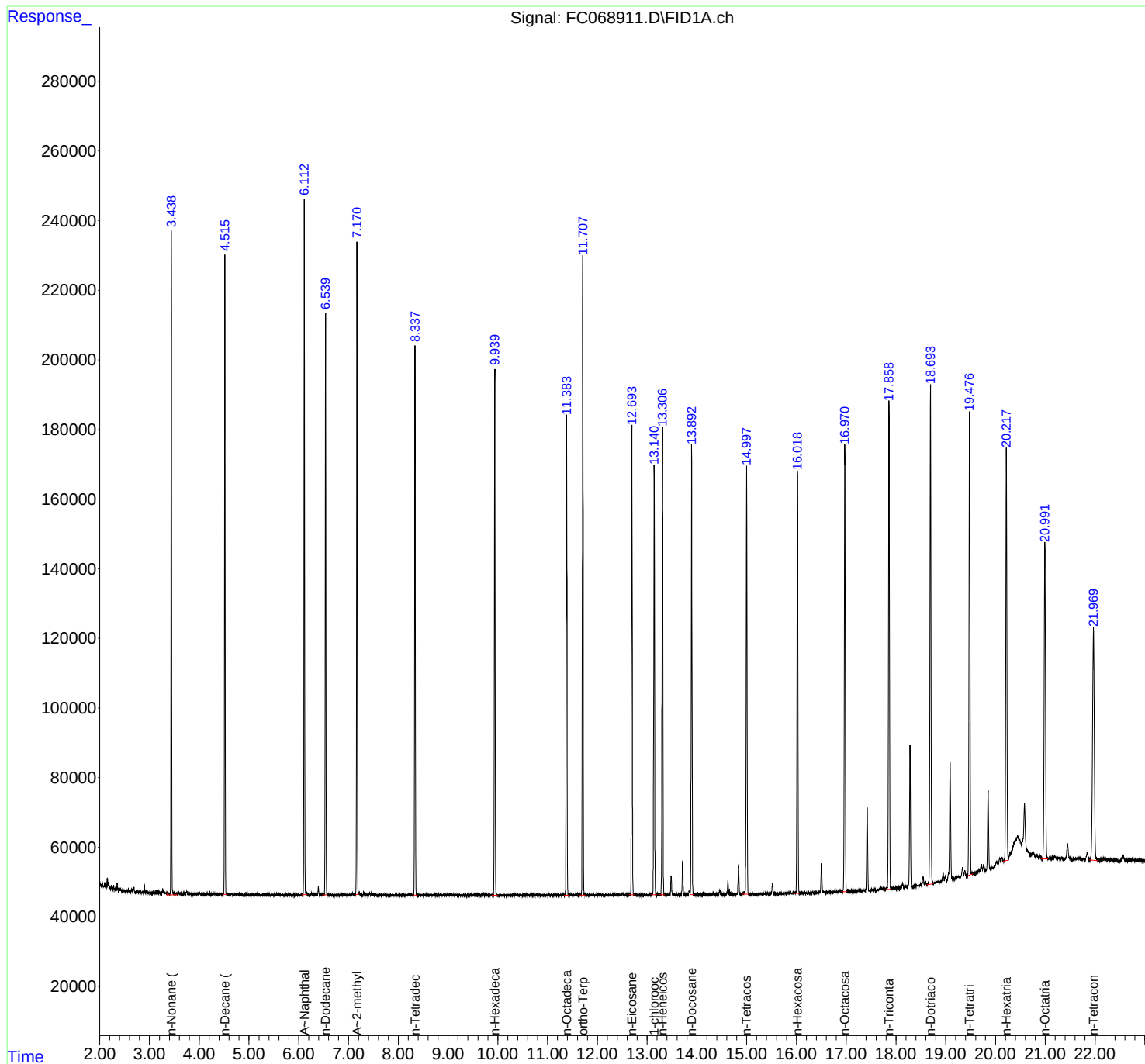
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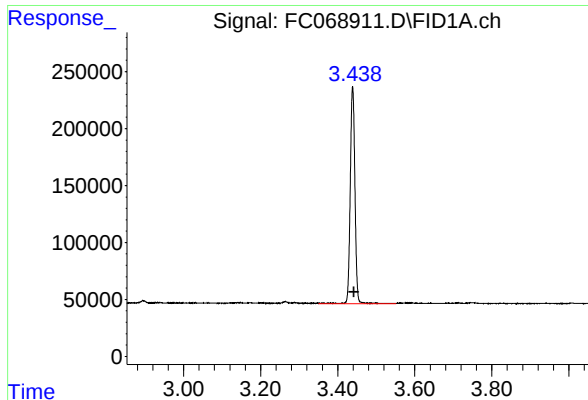
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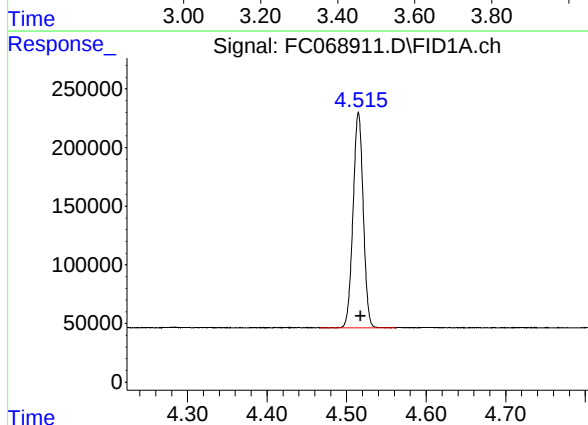
#1 n-Nonane (C9)

R.T.: 3.438 min
Delta R.T.: -0.004 min
Response: 1624854
Conc: 16.15 ug/ml

Instrument :
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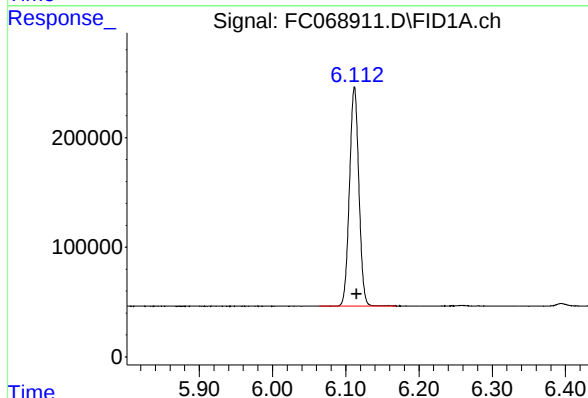
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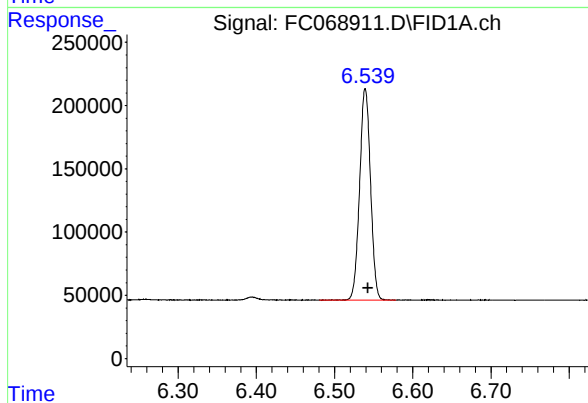
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.003 min
Response: 1628166
Conc: 16.34 ug/ml



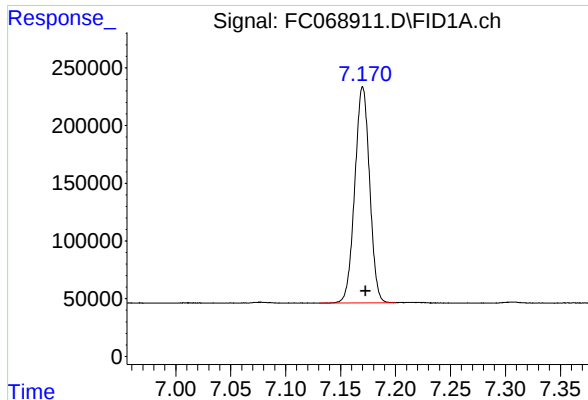
#3 A~Naphthalene (C11.7)

R.T.: 6.112 min
Delta R.T.: -0.003 min
Response: 1784678
Conc: 16.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.539 min
Delta R.T.: -0.004 min
Response: 1615012
Conc: 16.62 ug/ml



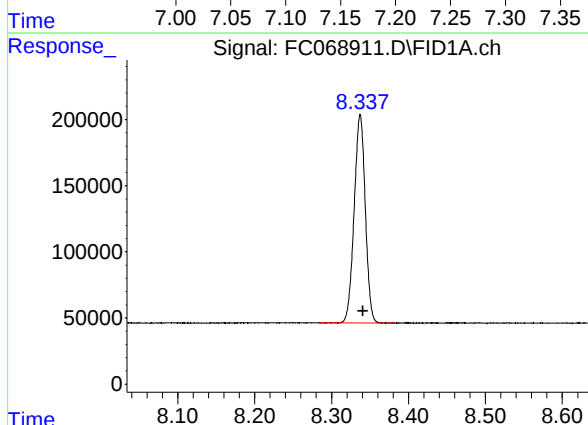
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.170 min
Delta R.T.: -0.003 min
Response: 1756728
Conc: 16.37 ug/ml

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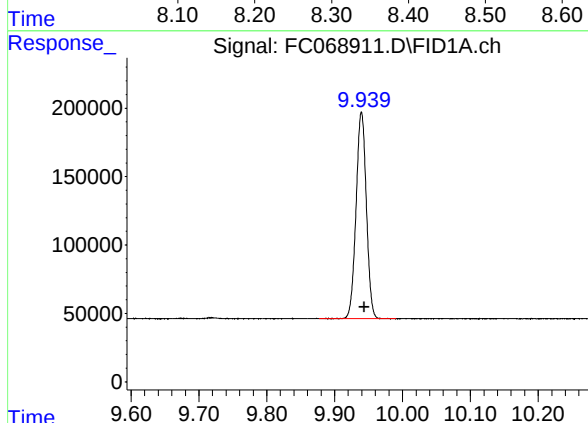
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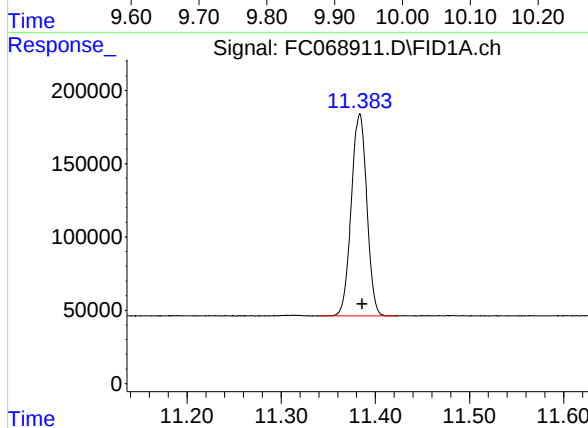
#6 n-Tetradecane (C14)

R.T.: 8.337 min
Delta R.T.: -0.003 min
Response: 1585677
Conc: 17.16 ug/ml



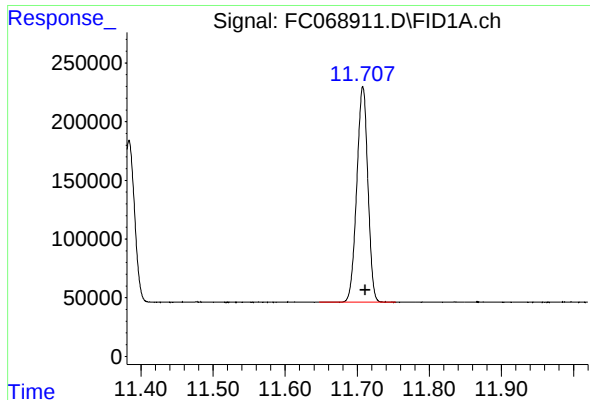
#7 n-Hexadecane (C16)

R.T.: 9.940 min
Delta R.T.: -0.004 min
Response: 1590615
Conc: 17.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.383 min
Delta R.T.: -0.003 min
Response: 1581878
Conc: 18.03 ug/ml



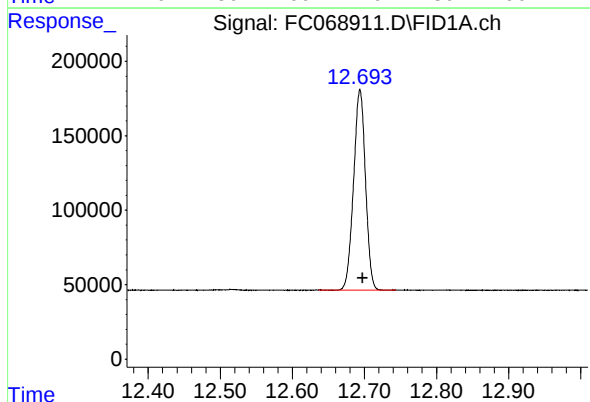
#9 ortho-Terphenyl (SURR)

R.T.: 11.708 min
Delta R.T.: -0.003 min
Response: 1967071
Conc: 17.23 ug/ml

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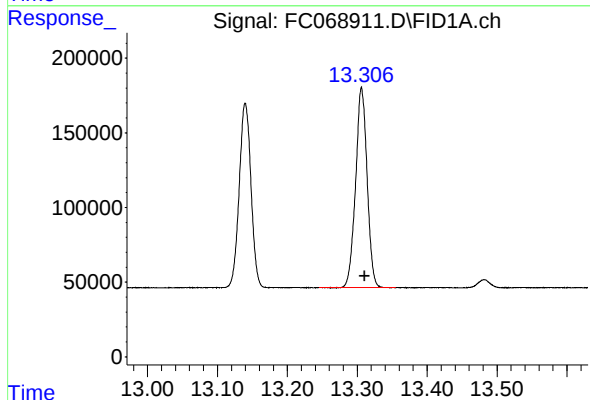
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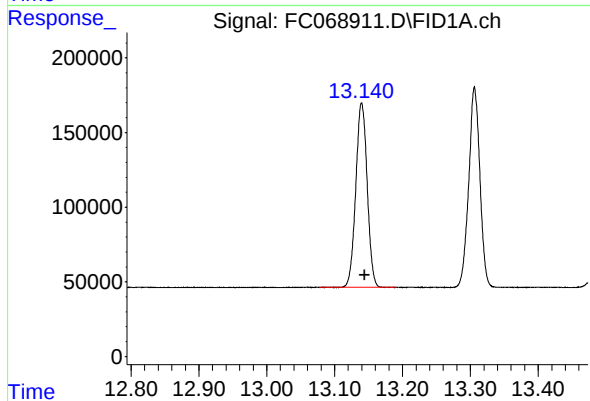
#10 n-Eicosane (C20)

R.T.: 12.694 min
Delta R.T.: -0.003 min
Response: 1545856
Conc: 18.14 ug/ml



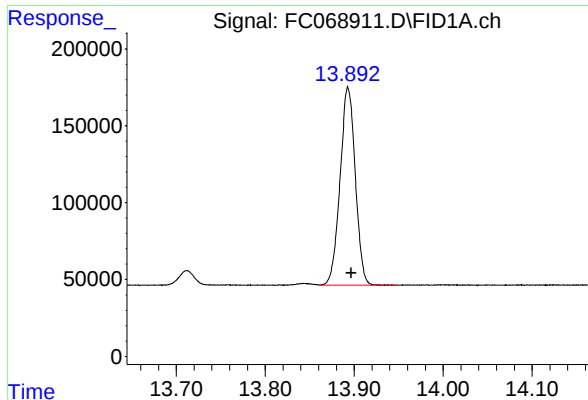
#11 n-Heneicosane (C21)

R.T.: 13.306 min
Delta R.T.: -0.004 min
Response: 1534491
Conc: 18.19 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.140 min
Delta R.T.: -0.004 min
Response: 1443554
Conc: 17.99 ug/ml



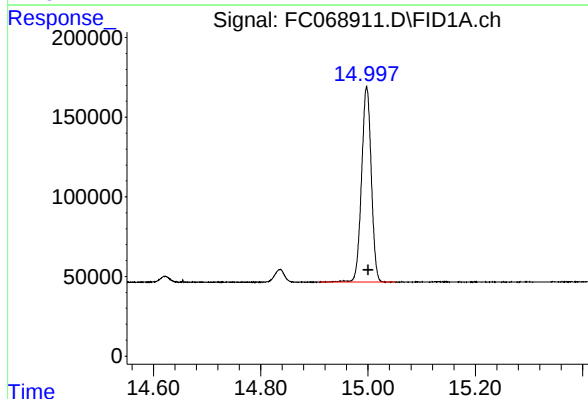
#13 n-Docosane (C22)

R.T.: 13.893 min
Delta R.T.: -0.004 min
Response: 1528443
Conc: 18.27 ug/ml

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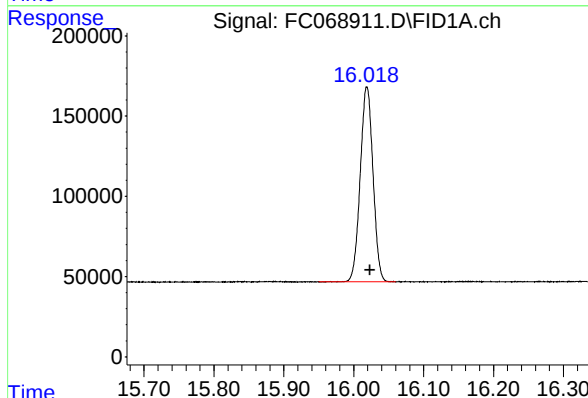
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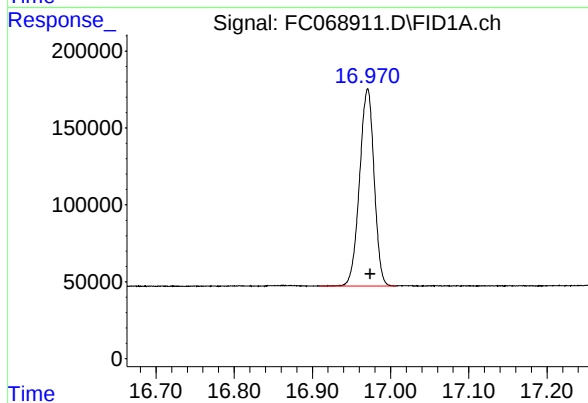
#14 n-Tetracosane (C24)

R.T.: 14.998 min
Delta R.T.: -0.003 min
Response: 1542224
Conc: 18.53 ug/ml



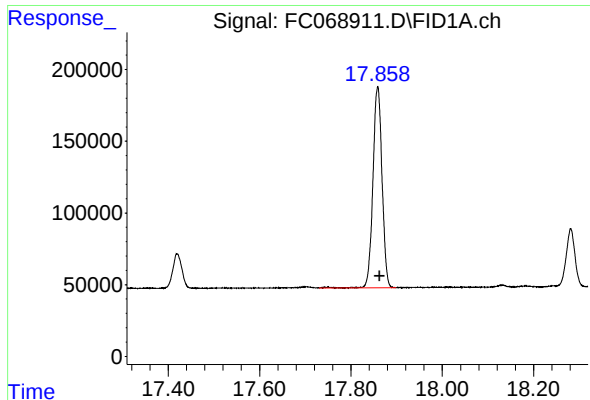
#15 n-Hexacosane (C26)

R.T.: 16.019 min
Delta R.T.: -0.004 min
Response: 1543926
Conc: 18.63 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.971 min
Delta R.T.: -0.004 min
Response: 1660782
Conc: 20.10 ug/ml



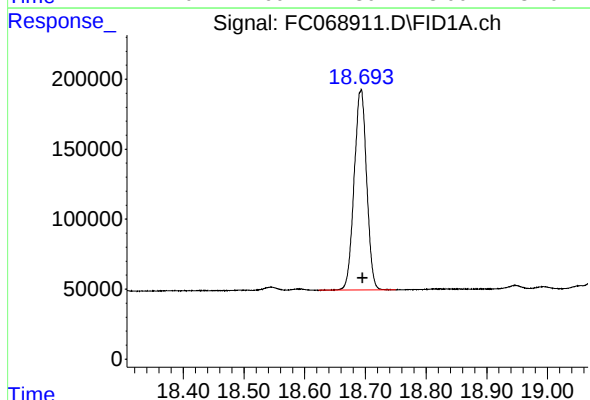
#17 n-Tricontane (C30)

R.T.: 17.859 min
Delta R.T.: -0.004 min
Response: 1938197
Conc: 22.91 ug/ml

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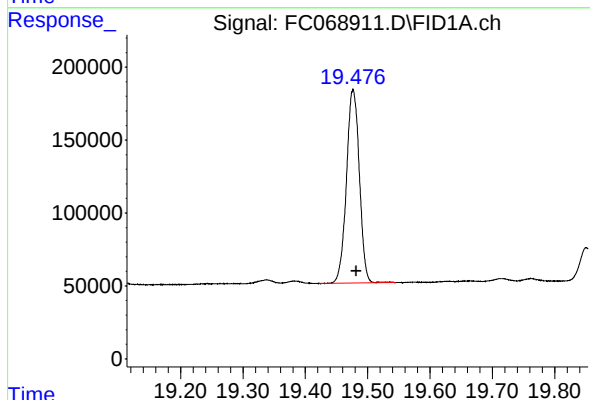
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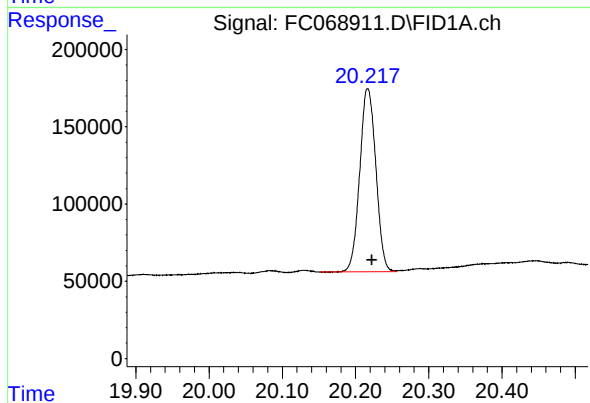
#18 n-Dotriacontane (C32)

R.T.: 18.693 min
Delta R.T.: -0.003 min
Response: 2049694
Conc: 23.80 ug/ml



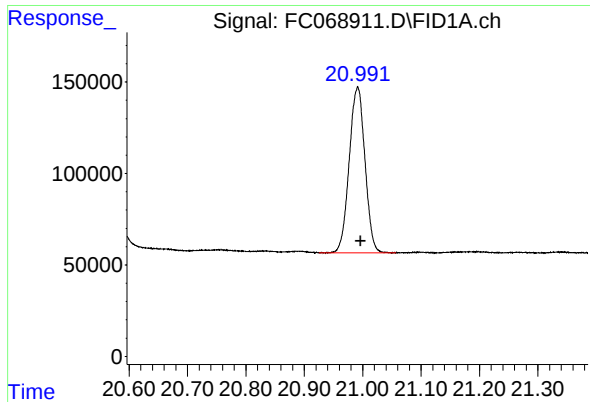
#19 n-Tetratriacontane (C34)

R.T.: 19.477 min
Delta R.T.: -0.005 min
Response: 1906828
Conc: 22.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.217 min
Delta R.T.: -0.006 min
Response: 1813009
Conc: 21.09 ug/ml



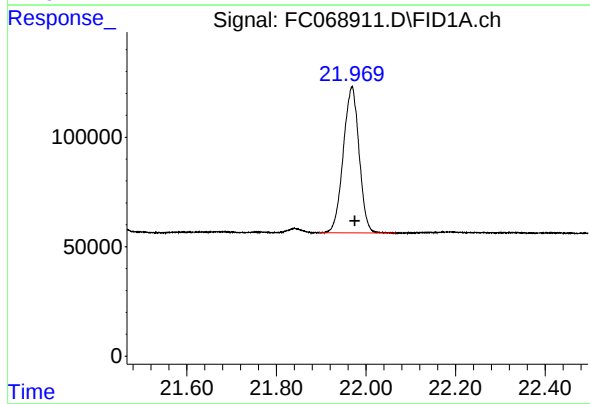
#21 n-Octatriacontane (C38)

R.T.: 20.991 min
Delta R.T.: -0.005 min
Response: 1695349
Conc: 20.21 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.969 min
Delta R.T.: -0.007 min
Response: 1646408
Conc: 20.09 ug/ml