

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051225AL\
 Data File : FC068840.D
 Signal(s) : FID1A.ch
 Acq On : 12 May 2025 22:02
 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 05/13/2025
 Supervised By :mohammad ahmed 05/14/2025

Integration File: sample.E
 Quant Time: May 13 07:45:59 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	2054983	18.004 ug/ml
Spiked Amount 50.000		Recovery =	36.01%
12) S 1-chlorooctadecane (S...	13.140	1523199	18.986 ug/ml
Spiked Amount 50.000		Recovery =	37.97%
Target Compounds			
1) T n-Nonane (C9)	3.441	1673647	16.640 ug/ml
2) T n-Decane (C10)	4.516	1713395	17.196 ug/ml
3) T A~Naphthalene (C11.7)	6.113	1870553	16.965 ug/ml
4) T n-Dodecane (C12)	6.541	1715217	17.650 ug/ml
5) T A~2-methylnaphthalene...	7.171	1866175	17.387 ug/ml
6) T n-Tetradecane (C14)	8.338	1687068	18.253 ug/ml
7) T n-Hexadecane (C16)	9.941	1684839	18.816 ug/ml
8) T n-Octadecane (C18)	11.384	1667807	19.013 ug/ml
10) T n-Eicosane (C20)	12.694	1631049	19.140 ug/ml
11) T n-Heneicosane (C21)	13.306	1613660	19.132 ug/ml
13) T n-Docosane (C22)	13.893	1607045	19.210 ug/ml
14) T n-Tetracosane (C24)	14.997	1616095	19.423 ug/ml
15) T n-Hexacosane (C26)	16.019	1610615	19.439 ug/ml
16) T n-Octacosane (C28)	16.969	1706830	20.652 ug/ml
17) T n-Tricontane (C30)	17.859	1945246	22.990 ug/mlm
18) T n-Dotriacontane (C32)	18.692	2048419	23.781 ug/ml
19) T n-Tetratriacontane (C34)	19.477	1930788	22.662 ug/ml
20) T n-Hexatriacontane (C36)	20.217	1827354	21.261 ug/ml
21) T n-Octatriacontane (C38)	20.991	1749975	20.862 ug/ml
22) T n-Tetracontane (C40)	21.964	1711925	20.888 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

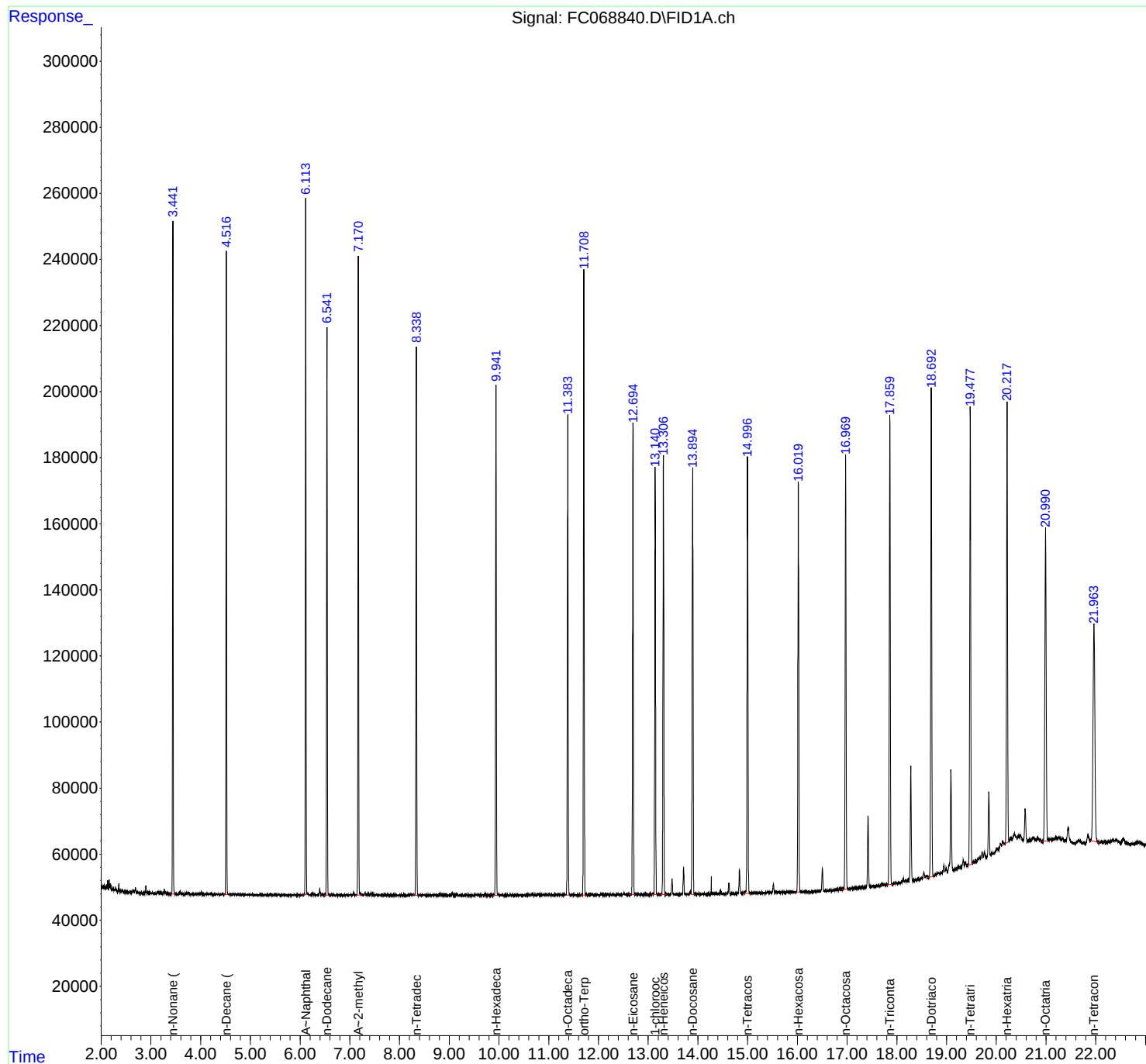
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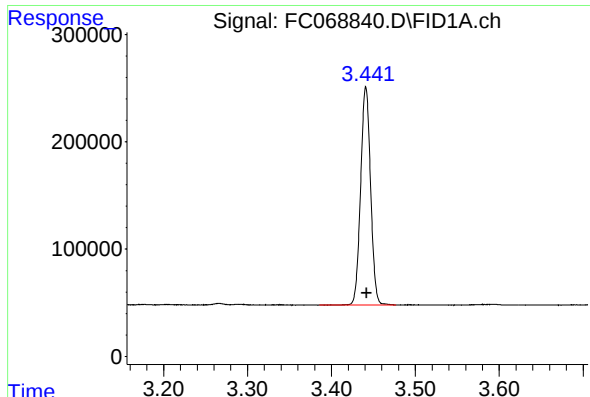
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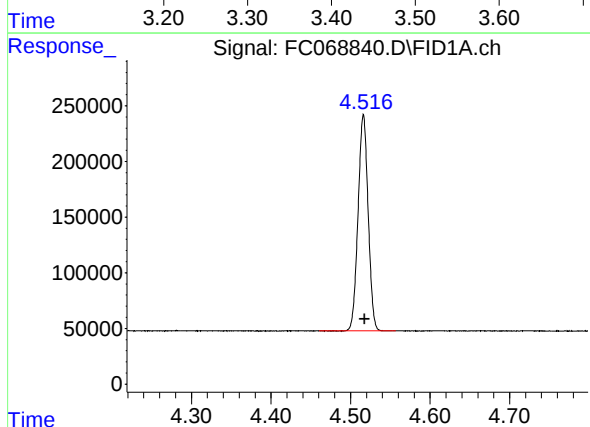
#1 n-Nonane (C9)

R.T.: 3.441 min
Delta R.T.: 0.000 min
Response: 1673647
Conc: 16.64 ug/ml

Instrument : FID_C
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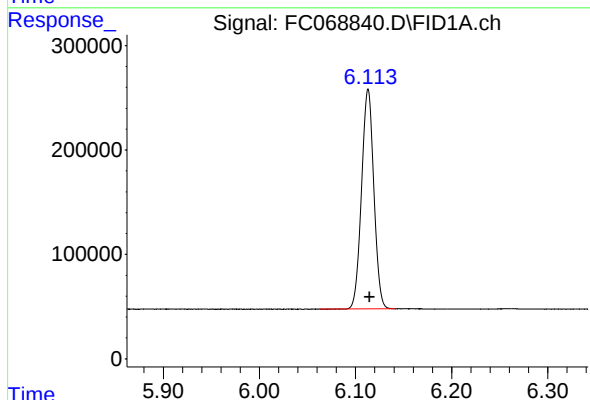
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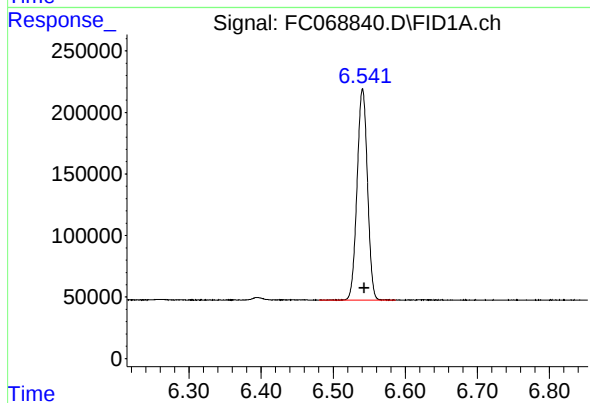
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: -0.002 min
Response: 1713395
Conc: 17.20 ug/ml



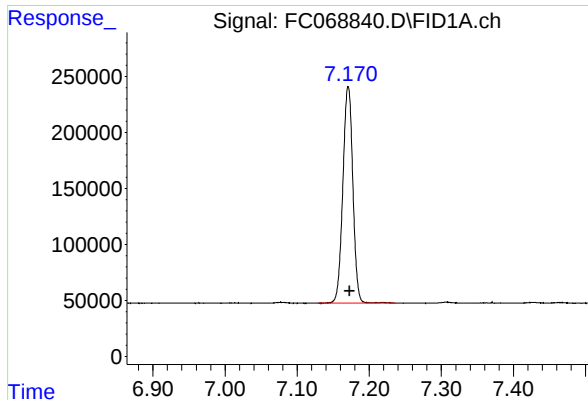
#3 A~Naphthalene (C11.7)

R.T.: 6.113 min
Delta R.T.: -0.002 min
Response: 1870553
Conc: 16.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.541 min
Delta R.T.: -0.002 min
Response: 1715217
Conc: 17.65 ug/ml



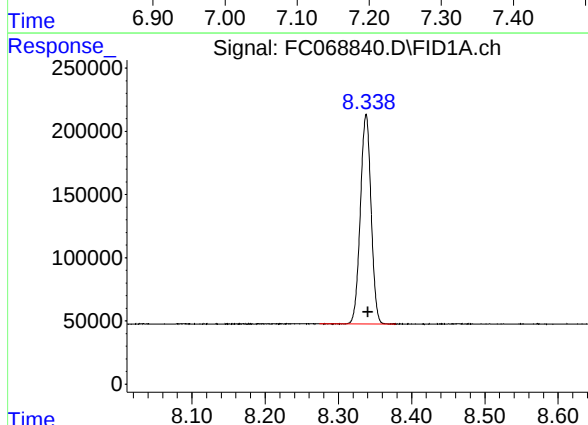
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.171 min
Delta R.T.: -0.002 min
Response: 1866175
Conc: 17.39 ug/ml

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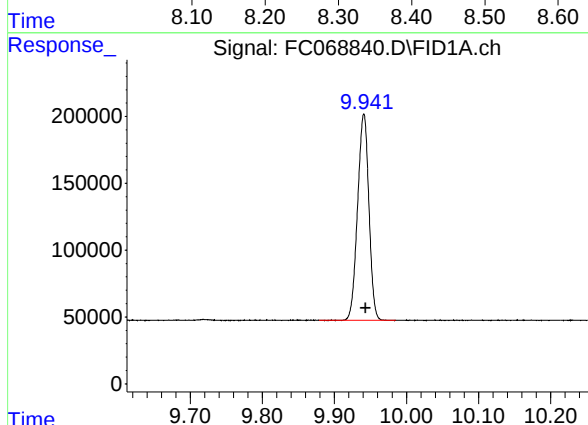
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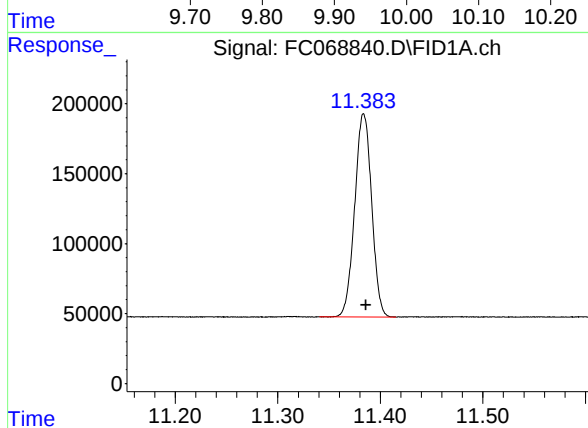
#6 n-Tetradecane (C14)

R.T.: 8.338 min
Delta R.T.: -0.003 min
Response: 1687068
Conc: 18.25 ug/ml



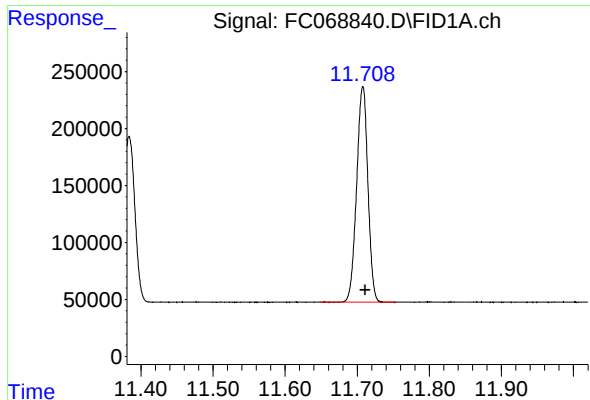
#7 n-Hexadecane (C16)

R.T.: 9.941 min
Delta R.T.: -0.003 min
Response: 1684839
Conc: 18.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.384 min
Delta R.T.: -0.002 min
Response: 1667807
Conc: 19.01 ug/ml



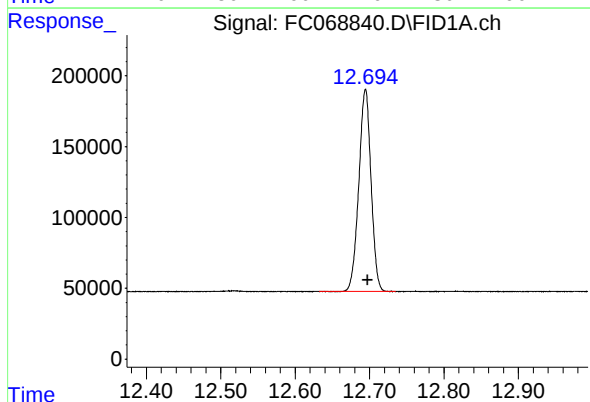
#9 ortho-Terphenyl (SURR)

R.T.: 11.708 min
Delta R.T.: -0.003 min
Response: 2054983
Conc: 18.00 ug/ml

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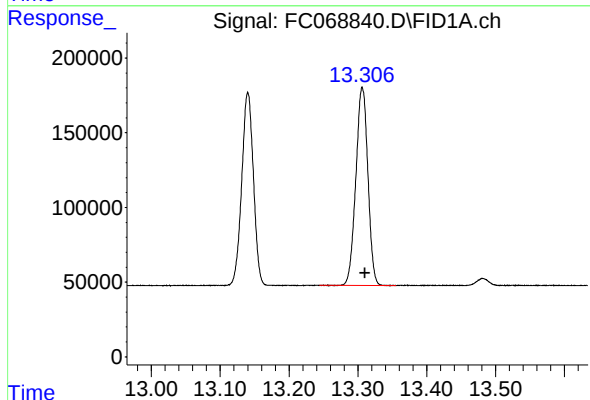
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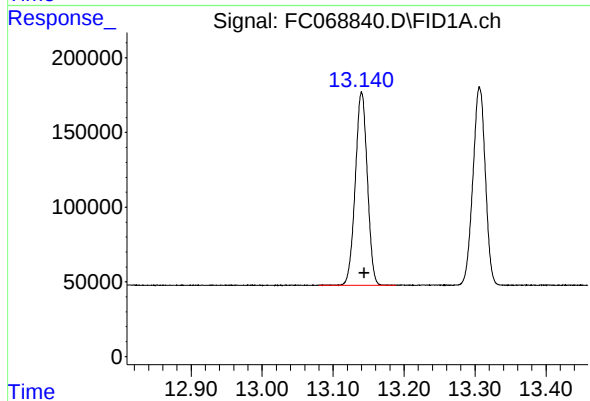
#10 n-Eicosane (C20)

R.T.: 12.694 min
Delta R.T.: -0.003 min
Response: 1631049
Conc: 19.14 ug/ml



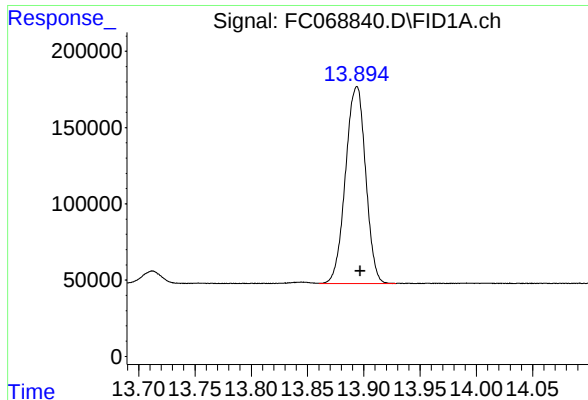
#11 n-Heneicosane (C21)

R.T.: 13.306 min
Delta R.T.: -0.004 min
Response: 1613660
Conc: 19.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.140 min
Delta R.T.: -0.004 min
Response: 1523199
Conc: 18.99 ug/ml



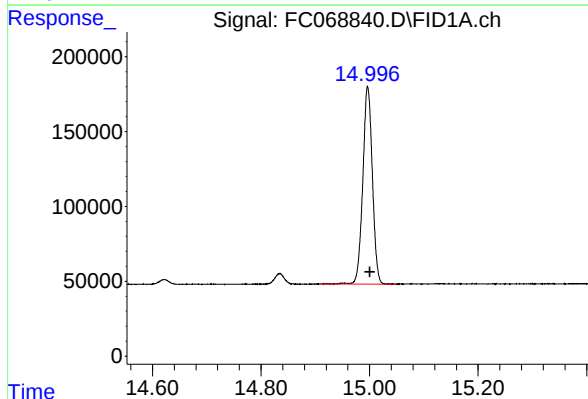
#13 n-Docosane (C22)

R.T.: 13.893 min
Delta R.T.: -0.003 min
Response: 1607045
Conc: 19.21 ug/ml

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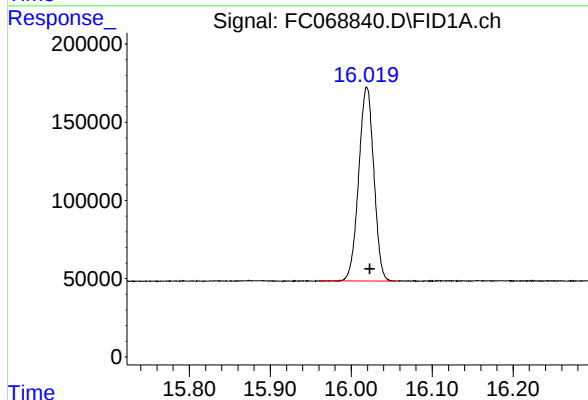
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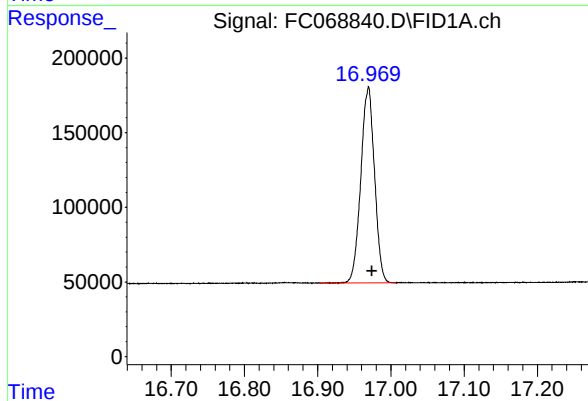
#14 n-Tetracosane (C24)

R.T.: 14.997 min
Delta R.T.: -0.004 min
Response: 1616095
Conc: 19.42 ug/ml



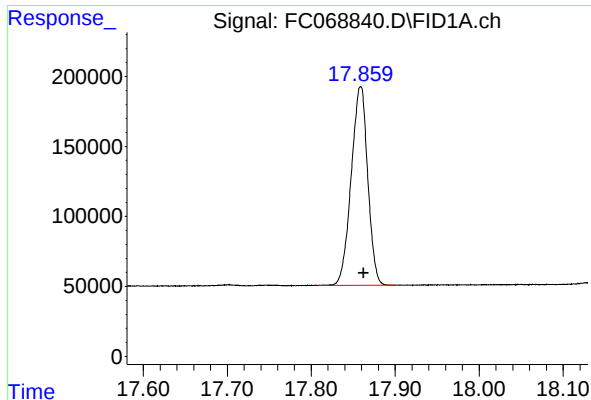
#15 n-Hexacosane (C26)

R.T.: 16.019 min
Delta R.T.: -0.004 min
Response: 1610615
Conc: 19.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.969 min
Delta R.T.: -0.005 min
Response: 1706830
Conc: 20.65 ug/ml



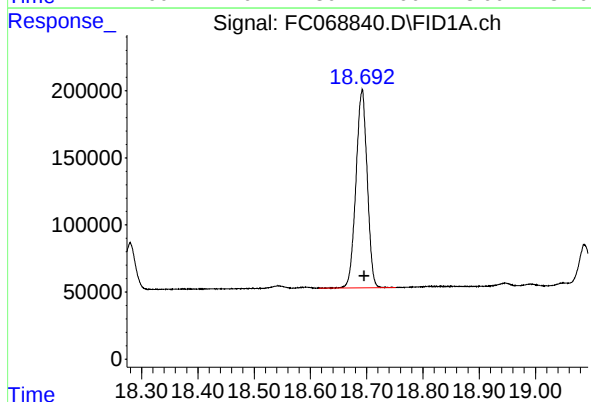
#17 n-Tricontane (C30)

R.T.: 17.859 min
Delta R.T.: -0.004 min
Response: 1945246
Conc: 22.99 ug/ml

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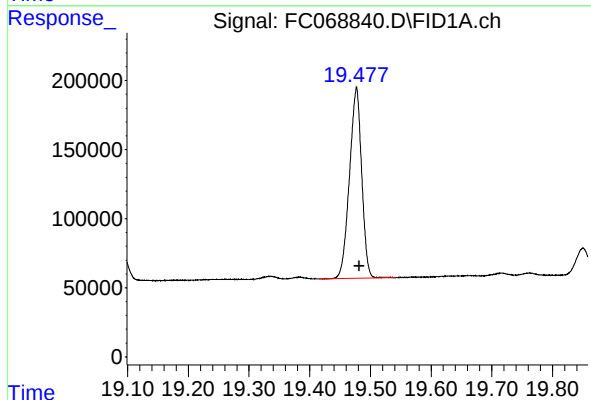
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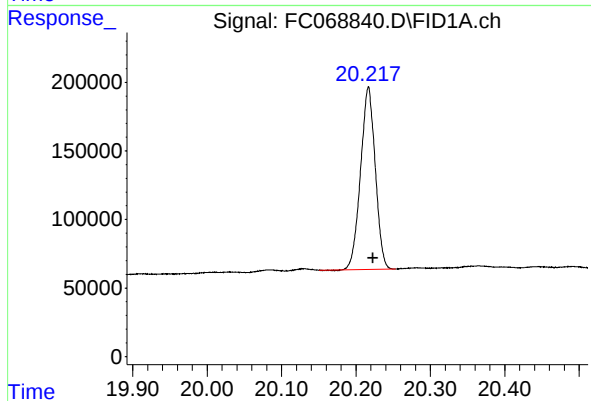
#18 n-Dotriacontane (C32)

R.T.: 18.692 min
Delta R.T.: -0.004 min
Response: 2048419
Conc: 23.78 ug/ml



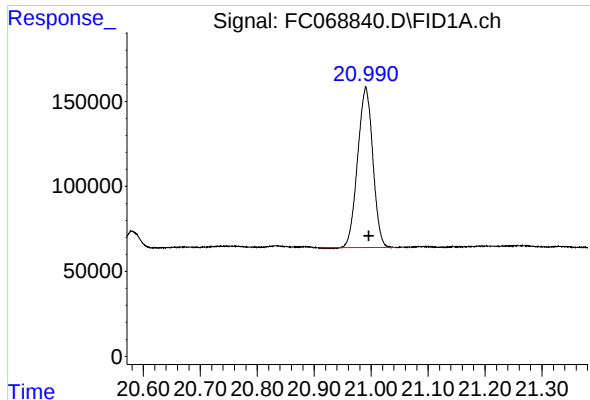
#19 n-Tetratriacontane (C34)

R.T.: 19.477 min
Delta R.T.: -0.005 min
Response: 1930788
Conc: 22.66 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.217 min
Delta R.T.: -0.006 min
Response: 1827354
Conc: 21.26 ug/ml



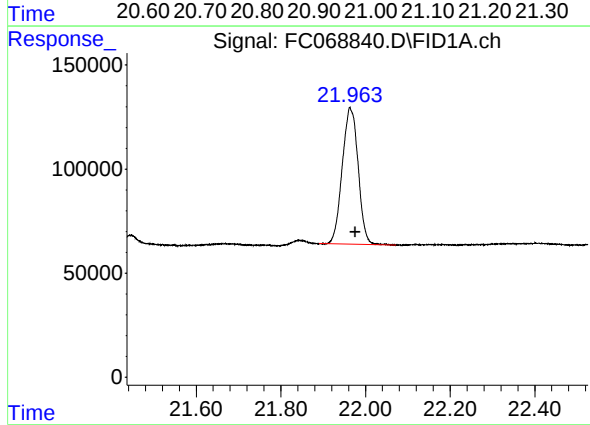
#21 n-Octatriacontane (C38)

R.T.: 20.991 min
Delta R.T.: -0.006 min
Response: 1749975
Conc: 20.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.964 min
Delta R.T.: -0.012 min
Response: 1711925
Conc: 20.89 ug/ml