

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042225AL\
 Data File : FC068673.D
 Signal(s) : FID1A.ch
 Acq On : 22 Apr 2025 10:13
 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 04/24/2025
 Supervised By :mohammad ahmed 04/26/2025

Integration File: autoint1.e
 Quant Time: Apr 23 01:28:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 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)	11.722	2314794	18.178 ug/ml
Spiked Amount 50.000		Recovery =	36.36%
12) S 1-chlorooctadecane (S...	13.156	1692712	18.222 ug/ml
Spiked Amount 50.000		Recovery =	36.44%
Target Compounds			
1) T n-Nonane (C9)	3.447	2005573	19.042 ug/ml
2) T n-Decane (C10)	4.524	1996896	18.953 ug/ml
3) T A~Naphthalene (C11.7)	6.123	2192454	18.826 ug/ml
4) T n-Dodecane (C12)	6.550	1967245	18.707 ug/ml
5) T A~2-methylnaphthalene...	7.182	2160941	18.710 ug/ml
6) T n-Tetradecane (C14)	8.349	1889757	18.382 ug/ml
7) T n-Hexadecane (C16)	9.953	1852733	18.192 ug/ml
8) T n-Octadecane (C18)	11.398	1824113	18.126 ug/ml
10) T n-Eicosane (C20)	12.709	1791940	18.218 ug/ml
11) T n-Heneicosane (C21)	13.322	1780108	18.266 ug/ml
13) T n-Docosane (C22)	13.910	1764754	18.270 ug/ml
14) T n-Tetracosane (C24)	15.015	1758920	18.479 ug/ml
15) T n-Hexacosane (C26)	16.037	1748492	18.720 ug/ml
16) T n-Octacosane (C28)	16.990	1735220	18.952 ug/ml
17) T n-Tricontane (C30)	17.881	1764702	19.196 ug/ml
18) T n-Dotriacontane (C32)	18.715	1789097	19.504 ug/ml
19) T n-Tetratriacontane (C34)	19.500	1785170	19.982 ug/ml
20) T n-Hexatriacontane (C36)	20.242	1864890	20.818 ug/ml
21) T n-Octatriacontane (C38)	21.021	1923109	21.752 ug/mlm
22) T n-Tetracontane (C40)	22.005	1908561	21.613 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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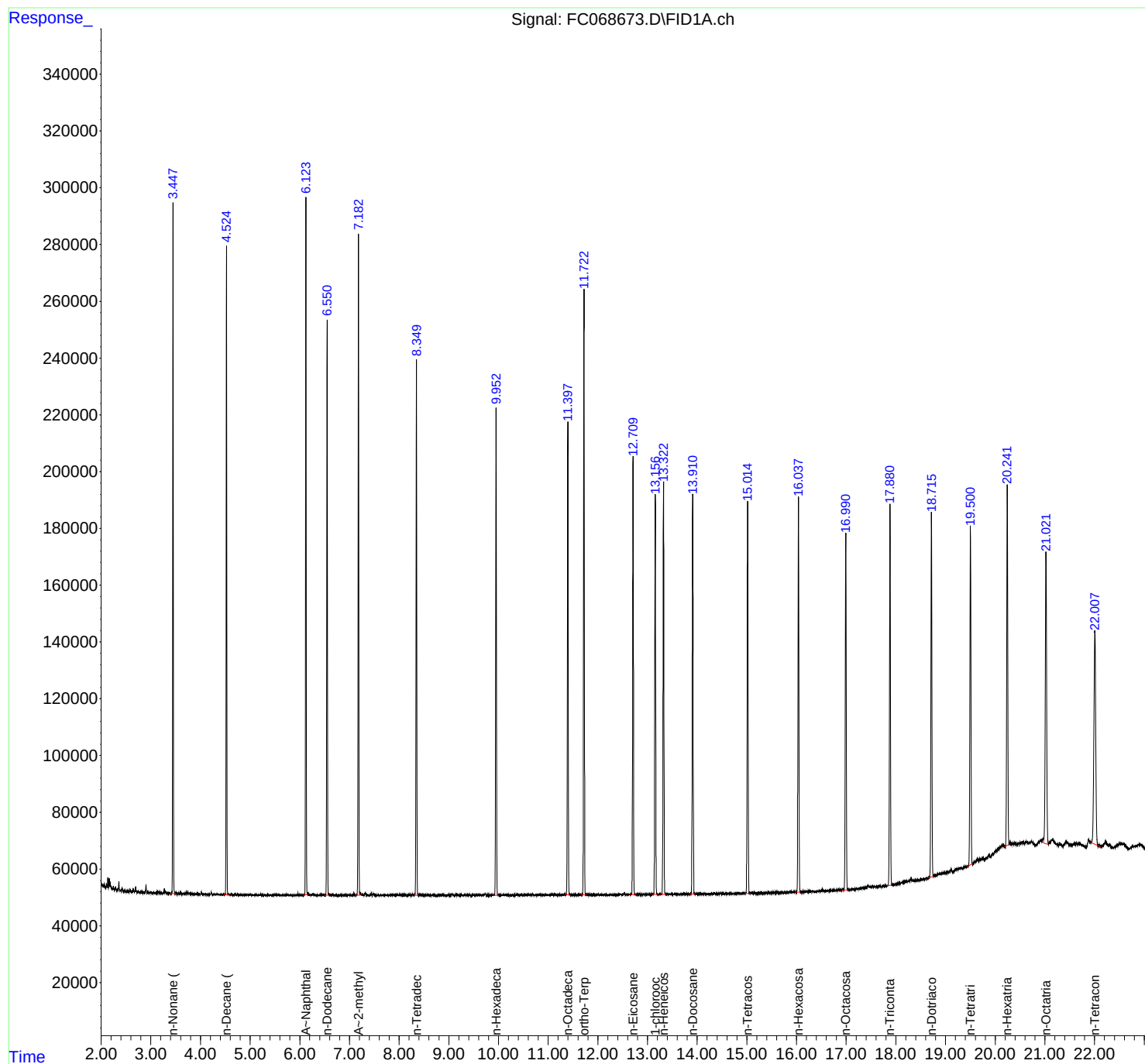
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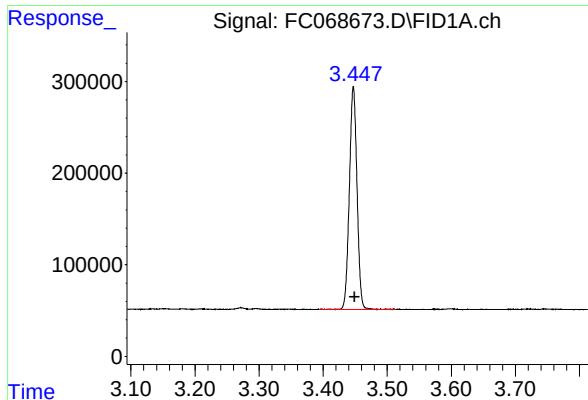
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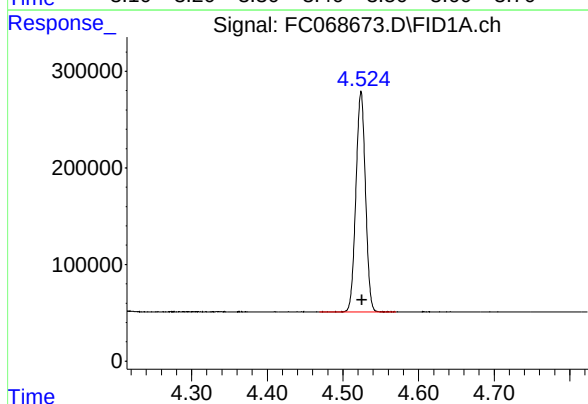
#1 n-Nonane (C9)

R.T.: 3.447 min
Delta R.T.: -0.002 min
Response: 2005573
Conc: 19.04 ug/ml

Instrument :
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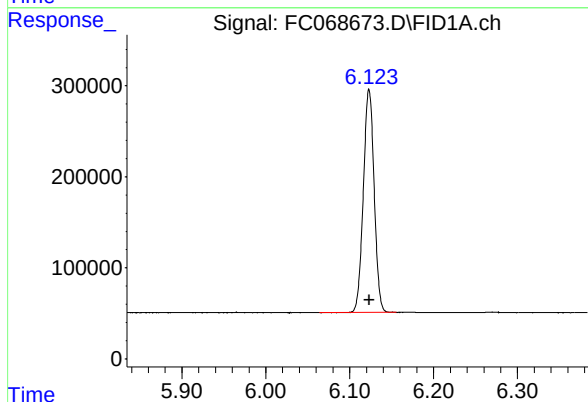
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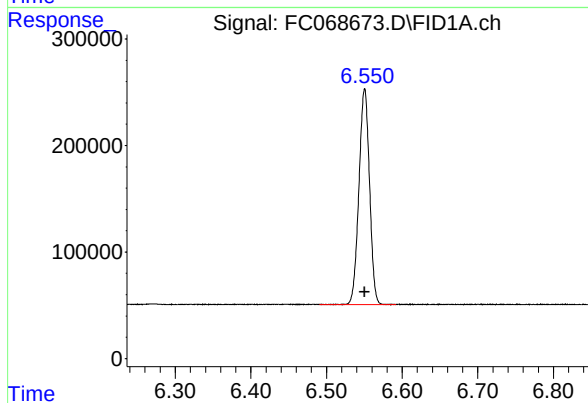
#2 n-Decane (C10)

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 1996896
Conc: 18.95 ug/ml



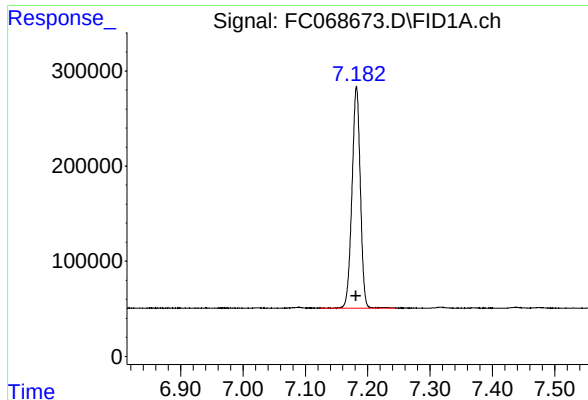
#3 A~Naphthalene (C11.7)

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 2192454
Conc: 18.83 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 1967245
Conc: 18.71 ug/ml



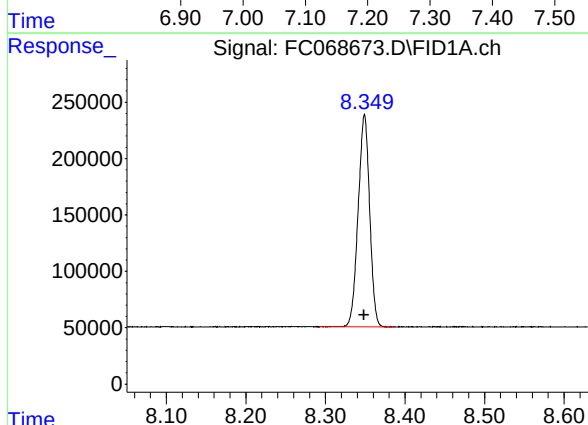
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.182 min
Delta R.T.: 0.001 min
Response: 2160941
Conc: 18.71 ug/ml

Instrument :
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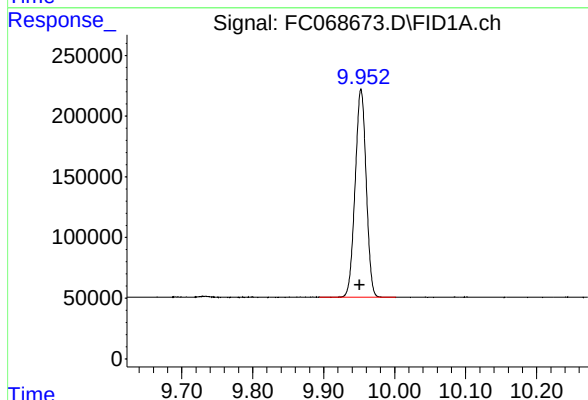
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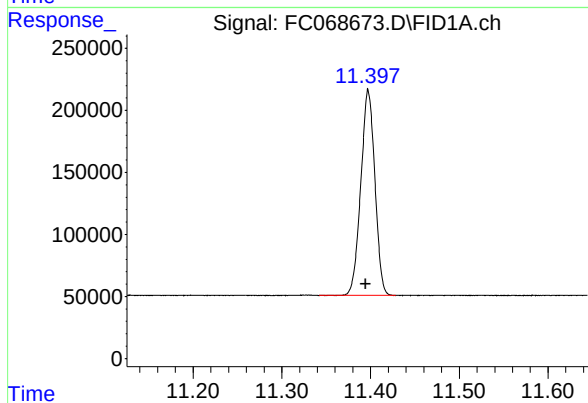
#6 n-Tetradecane (C14)

R.T.: 8.349 min
Delta R.T.: 0.000 min
Response: 1889757
Conc: 18.38 ug/ml



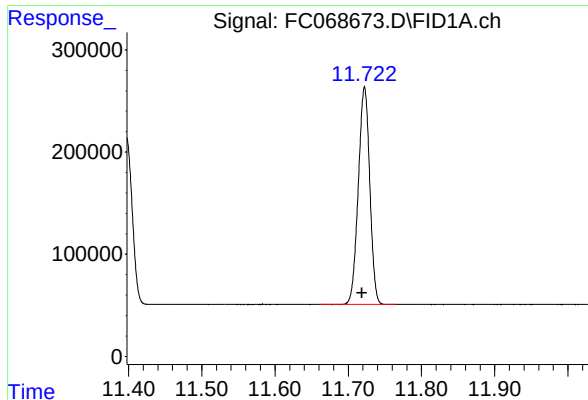
#7 n-Hexadecane (C16)

R.T.: 9.953 min
Delta R.T.: 0.002 min
Response: 1852733
Conc: 18.19 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.398 min
Delta R.T.: 0.003 min
Response: 1824113
Conc: 18.13 ug/ml



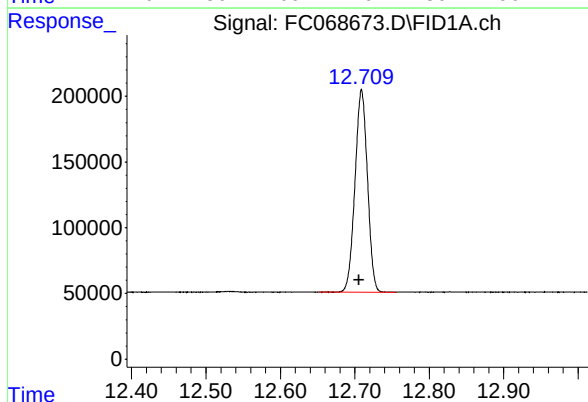
#9 ortho-Terphenyl (SURR)

R.T.: 11.722 min
Delta R.T.: 0.003 min
Response: 2314794
Conc: 18.18 ug/ml

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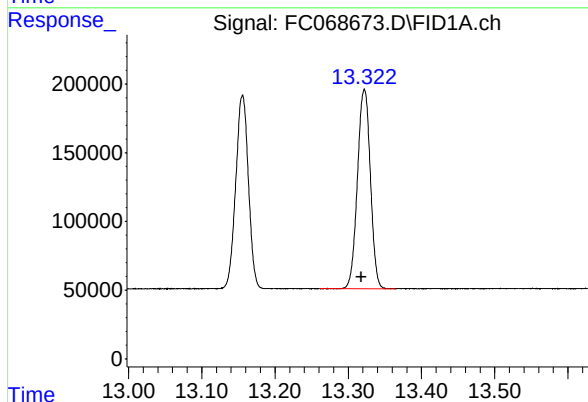
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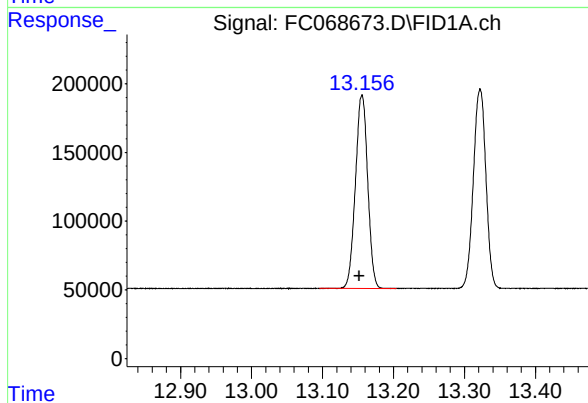
#10 n-Eicosane (C20)

R.T.: 12.709 min
Delta R.T.: 0.004 min
Response: 1791940
Conc: 18.22 ug/ml



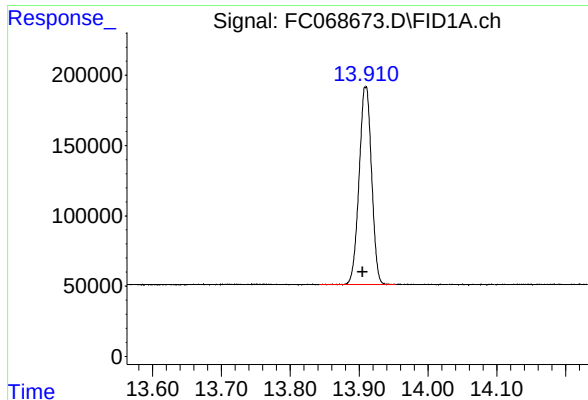
#11 n-Heneicosane (C21)

R.T.: 13.322 min
Delta R.T.: 0.004 min
Response: 1780108
Conc: 18.27 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.156 min
Delta R.T.: 0.004 min
Response: 1692712
Conc: 18.22 ug/ml



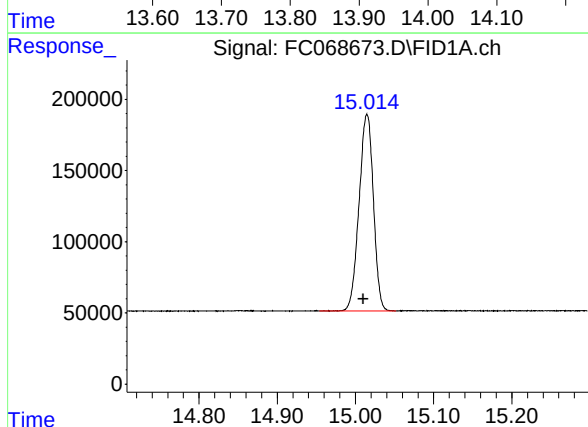
#13 n-Docosane (C22)

R.T.: 13.910 min
Delta R.T.: 0.005 min
Response: 1764754
Conc: 18.27 ug/ml

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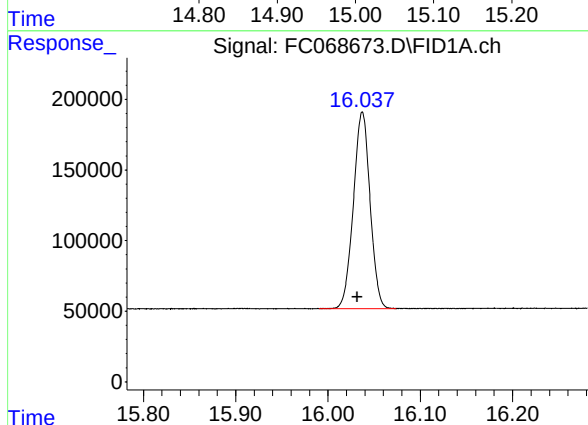
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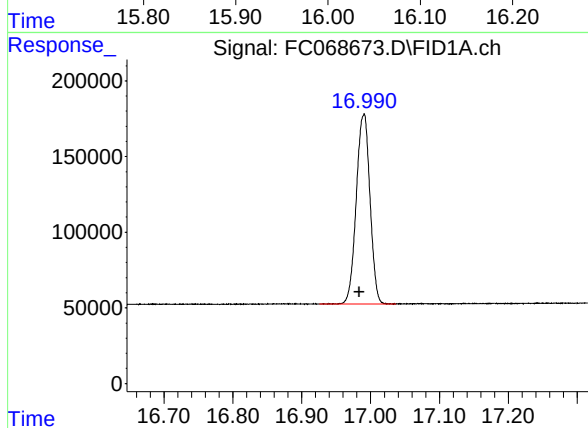
#14 n-Tetracosane (C24)

R.T.: 15.015 min
Delta R.T.: 0.005 min
Response: 1758920
Conc: 18.48 ug/ml



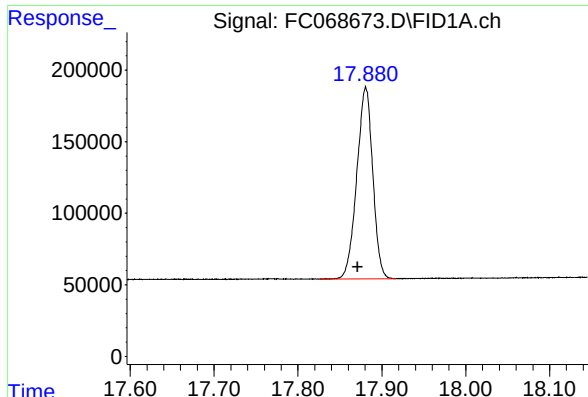
#15 n-Hexacosane (C26)

R.T.: 16.037 min
Delta R.T.: 0.005 min
Response: 1748492
Conc: 18.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.990 min
Delta R.T.: 0.006 min
Response: 1735220
Conc: 18.95 ug/ml



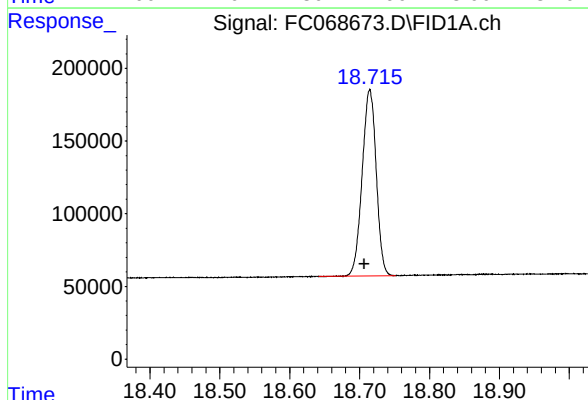
#17 n-Tricontane (C30)

R.T.: 17.881 min
Delta R.T.: 0.009 min
Response: 1764702
Conc: 19.20 ug/ml

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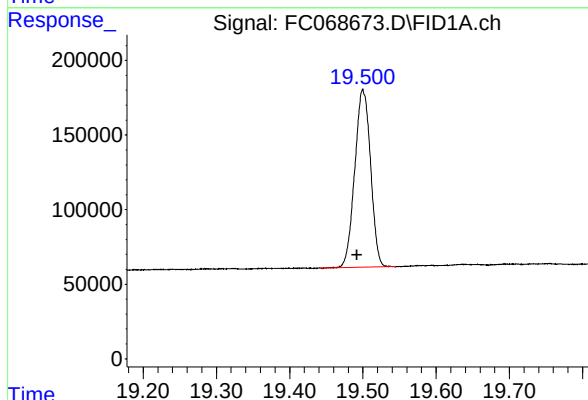
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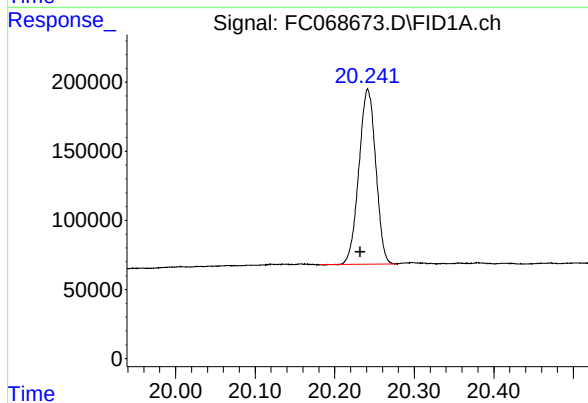
#18 n-Dotriacontane (C32)

R.T.: 18.715 min
Delta R.T.: 0.008 min
Response: 1789097
Conc: 19.50 ug/ml



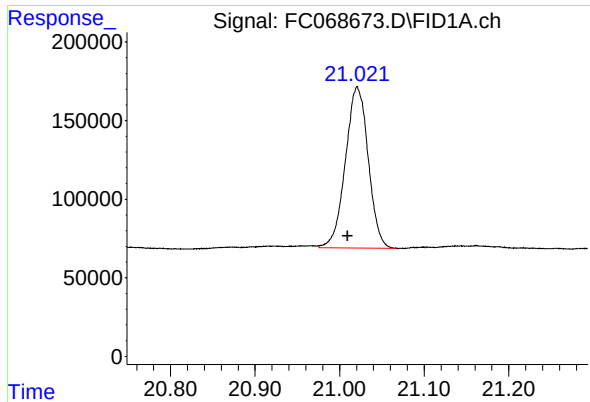
#19 n-Tetatriacontane (C34)

R.T.: 19.500 min
Delta R.T.: 0.009 min
Response: 1785170
Conc: 19.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.242 min
Delta R.T.: 0.009 min
Response: 1864890
Conc: 20.82 ug/ml



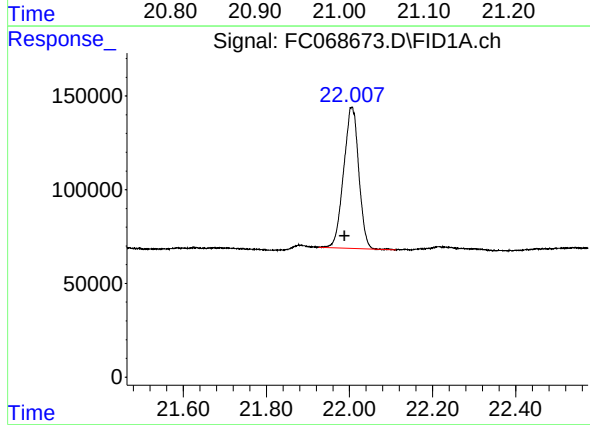
#21 n-Octatriacontane (C38)

R.T.: 21.021 min
Delta R.T.: 0.011 min
Response: 1923109
Conc: 21.75 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.005 min
Delta R.T.: 0.017 min
Response: 1908561
Conc: 21.61 ug/ml