

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068497.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 14:23
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/08/2025
 Supervised By :mohammad ahmed 04/09/2025

Integration File: autoint1.e
 Quant Time: Apr 08 02:33:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 07 16:09:59 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	2586160	20.055 ug/ml
Spiked Amount 50.000		Recovery =	40.11%
12) S 1-chlorooctadecane (S...	13.154	1897566	20.628 ug/ml
Spiked Amount 50.000		Recovery =	41.26%
Target Compounds			
1) T n-Nonane (C9)	3.449	2180496	19.568 ug/ml
2) T n-Decane (C10)	4.525	2248773	19.312 ug/ml
3) T A~Naphthalene (C11.7)	6.124	2476515	19.801 ug/ml
4) T n-Dodecane (C12)	6.552	2252862	19.921 ug/ml
5) T A~2-methylnaphthalene...	7.182	2398589	20.044 ug/ml
6) T n-Tetradecane (C14)	8.350	2223113	19.920 ug/ml
7) T n-Hexadecane (C16)	9.953	2269137	19.847 ug/ml
8) T n-Octadecane (C18)	11.397	2274403	19.837 ug/ml
10) T n-Eicosane (C20)	12.708	2173946	19.873 ug/ml
11) T n-Heneicosane (C21)	13.320	2130293	19.973 ug/ml
13) T n-Docosane (C22)	13.908	2130957	19.738 ug/ml
14) T n-Tetracosane (C24)	15.012	2140196	19.199 ug/ml
15) T n-Hexacosane (C26)	16.035	2114881	19.015 ug/ml
16) T n-Octacosane (C28)	16.987	2109161	19.049 ug/ml
17) T n-Tricontane (C30)	17.877	2194022	19.848 ug/ml
18) T n-Dotriacontane (C32)	18.711	2124585	20.409 ug/ml
19) T n-Tetratriacontane (C34)	19.497	1809605	20.152 ug/ml
20) T n-Hexatriacontane (C36)	20.236	1371970	18.327 ug/ml
21) T n-Octatriacontane (C38)	21.013	1038358	16.608 ug/mlm
22) T n-Tetracontane (C40)	21.997	870012	18.622 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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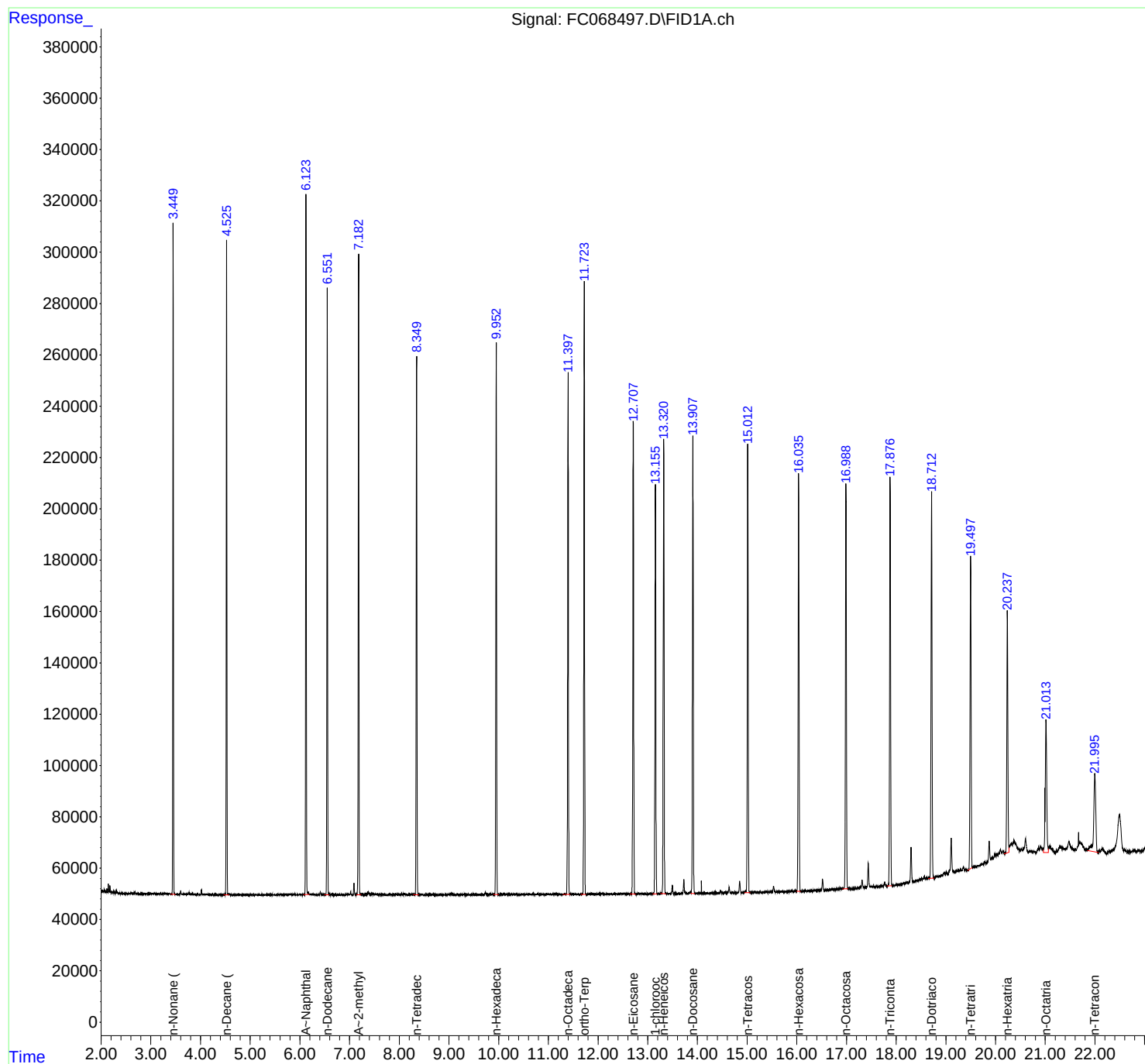
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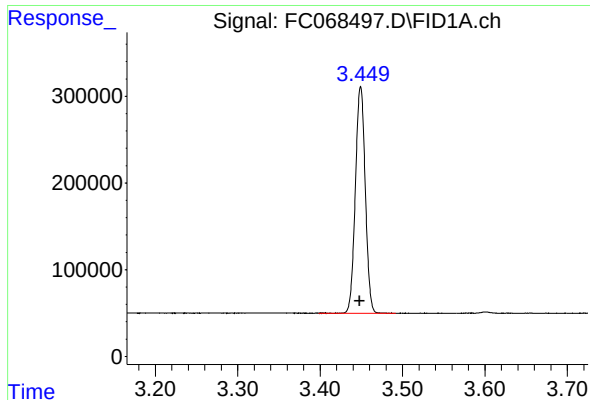
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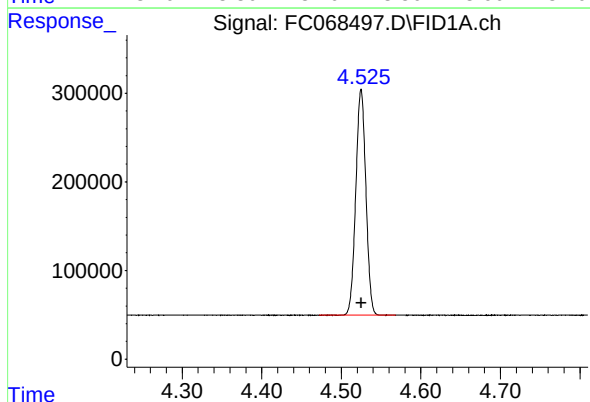
#1 n-Nonane (C9)

R.T.: 3.449 min
Delta R.T.: 0.001 min
Response: 2180496
Conc: 19.57 ug/ml

Instrument : FID_C
ClientSampleId : 20 PPM ALIPHATIC HC STD

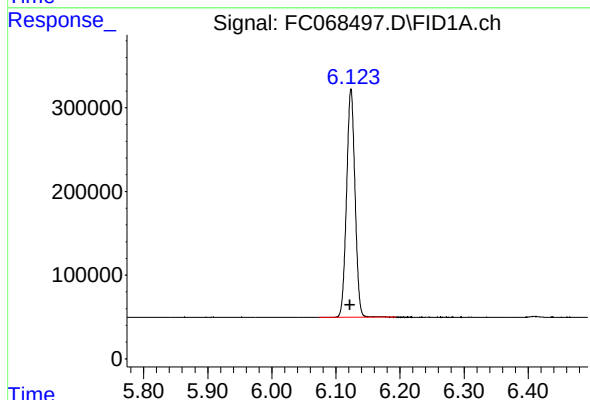
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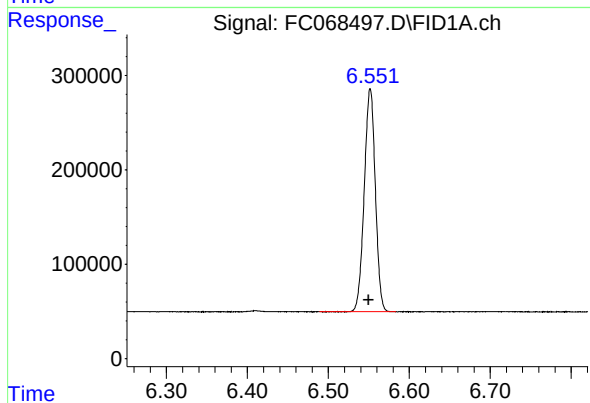
#2 n-Decane (C10)

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 2248773
Conc: 19.31 ug/ml



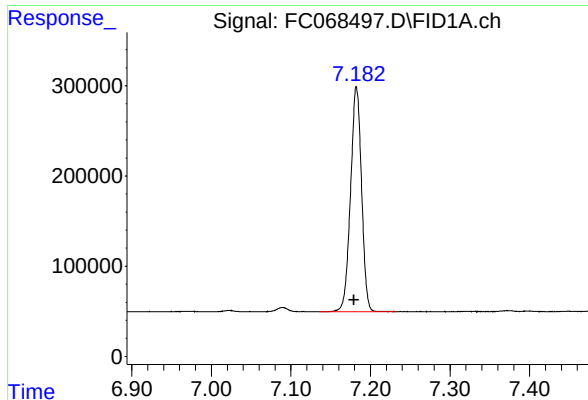
#3 A~Naphthalene (C11.7)

R.T.: 6.124 min
Delta R.T.: 0.001 min
Response: 2476515
Conc: 19.80 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.552 min
Delta R.T.: 0.002 min
Response: 2252862
Conc: 19.92 ug/ml



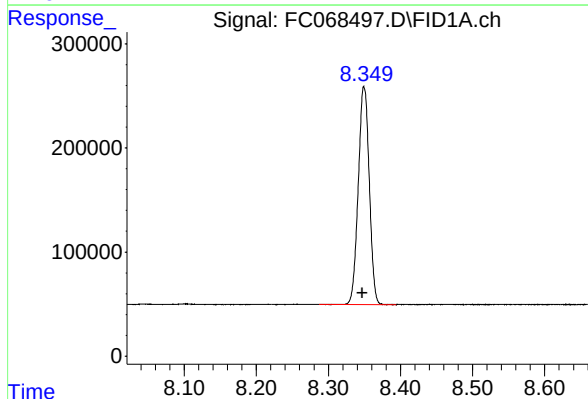
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.182 min
Delta R.T.: 0.003 min
Response: 2398589
Conc: 20.04 ug/ml

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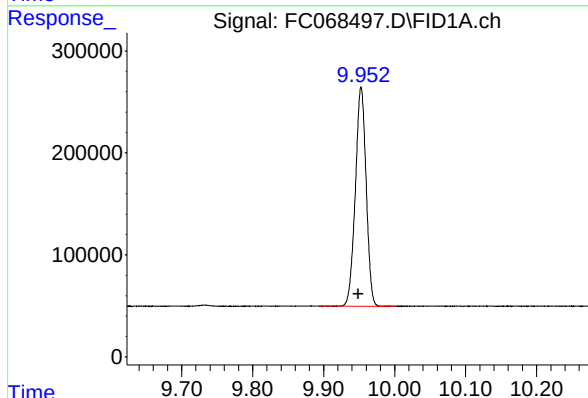
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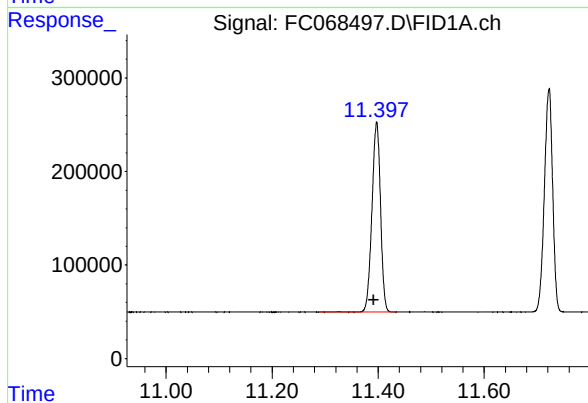
#6 n-Tetradecane (C14)

R.T.: 8.350 min
Delta R.T.: 0.003 min
Response: 2223113
Conc: 19.92 ug/ml



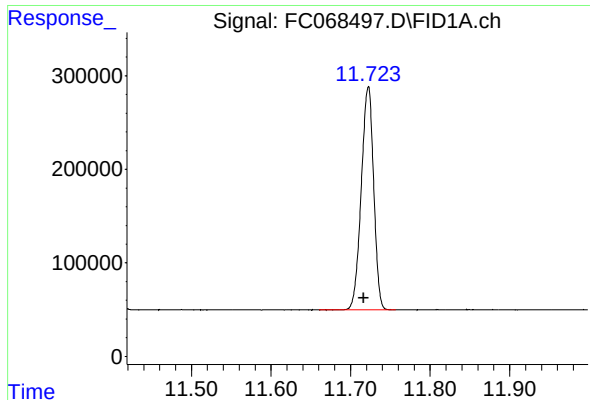
#7 n-Hexadecane (C16)

R.T.: 9.953 min
Delta R.T.: 0.004 min
Response: 2269137
Conc: 19.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.397 min
Delta R.T.: 0.005 min
Response: 2274403
Conc: 19.84 ug/ml



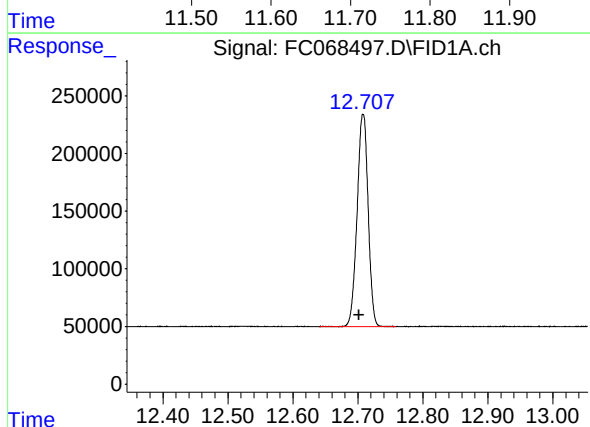
#9 ortho-Terphenyl (SURR)

R.T.: 11.722 min
Delta R.T.: 0.006 min
Response: 2586160
Conc: 20.06 ug/ml

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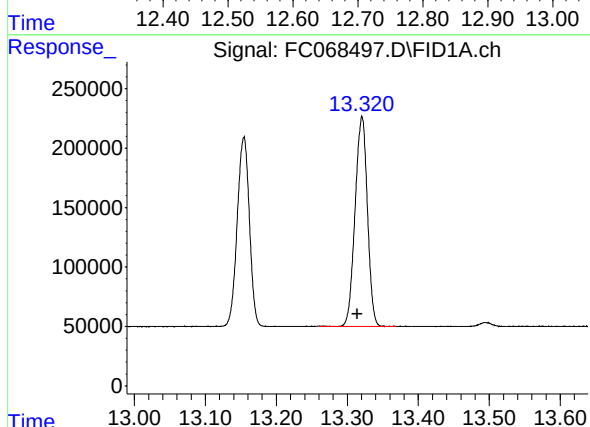
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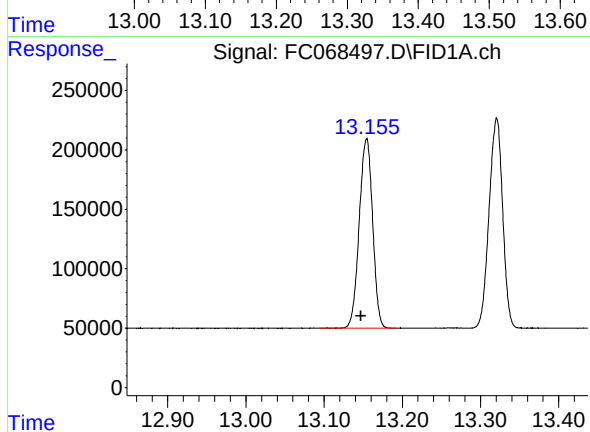
#10 n-Eicosane (C20)

R.T.: 12.708 min
Delta R.T.: 0.006 min
Response: 2173946
Conc: 19.87 ug/ml



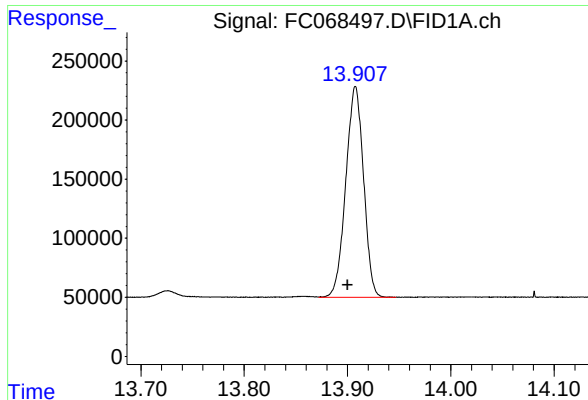
#11 n-Heneicosane (C21)

R.T.: 13.320 min
Delta R.T.: 0.006 min
Response: 2130293
Conc: 19.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.154 min
Delta R.T.: 0.007 min
Response: 1897566
Conc: 20.63 ug/ml



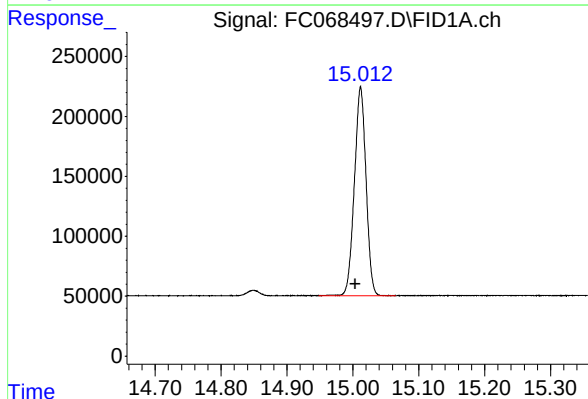
#13 n-Docosane (C22)

R.T.: 13.908 min
Delta R.T.: 0.008 min
Response: 2130957
Conc: 19.74 ug/ml

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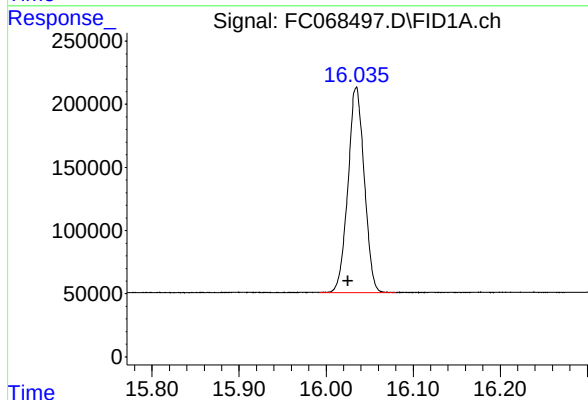
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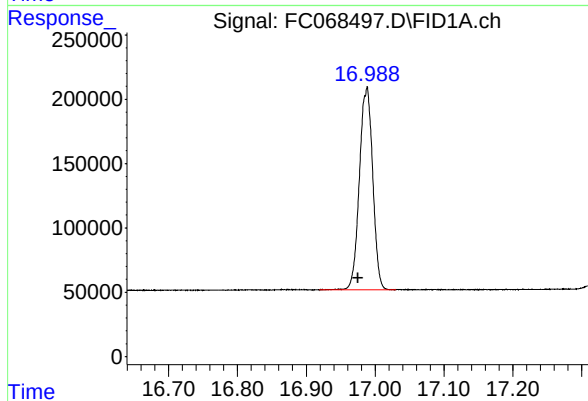
#14 n-Tetracosane (C24)

R.T.: 15.012 min
Delta R.T.: 0.008 min
Response: 2140196
Conc: 19.20 ug/ml



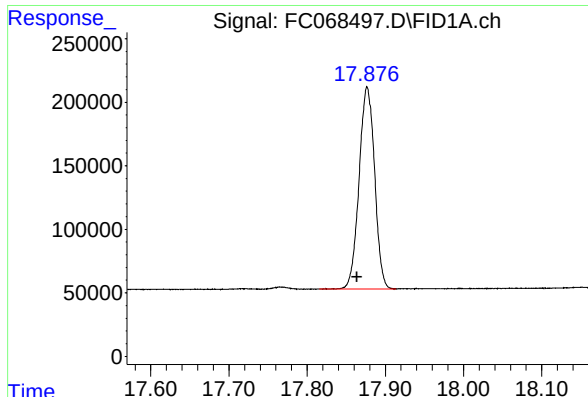
#15 n-Hexacosane (C26)

R.T.: 16.035 min
Delta R.T.: 0.010 min
Response: 2114881
Conc: 19.01 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.987 min
Delta R.T.: 0.012 min
Response: 2109161
Conc: 19.05 ug/ml



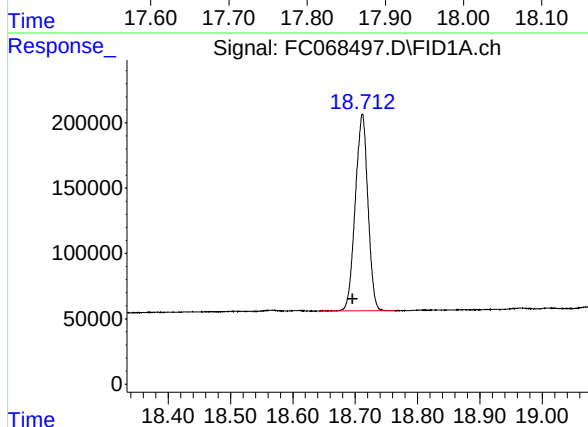
#17 n-Tricontane (C30)

R.T.: 17.877 min
Delta R.T.: 0.013 min
Response: 2194022
Conc: 19.85 ug/ml

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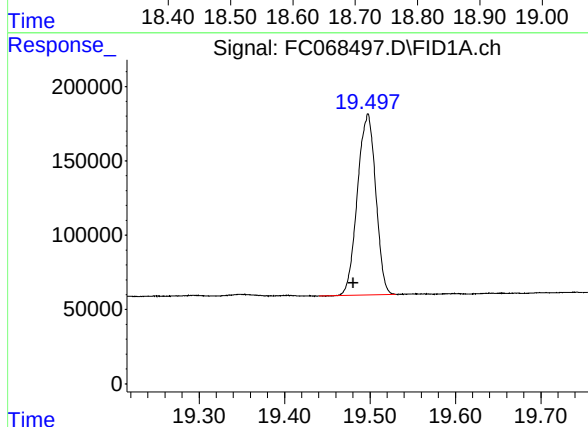
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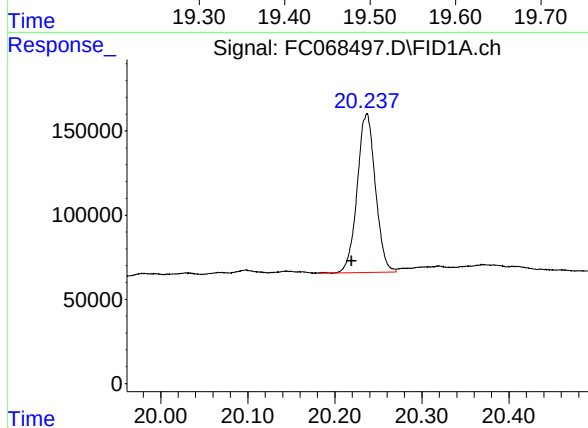
#18 n-Dotriacontane (C32)

R.T.: 18.711 min
Delta R.T.: 0.016 min
Response: 2124585
Conc: 20.41 ug/ml



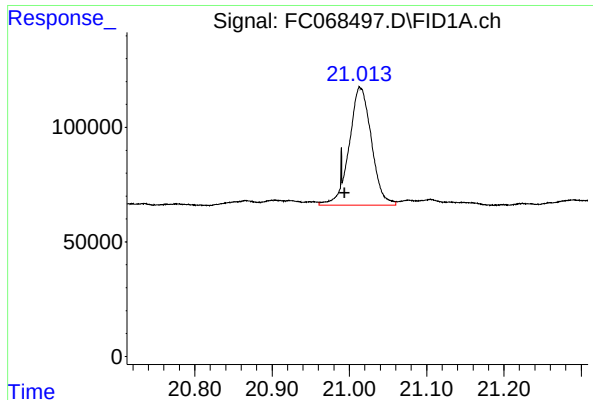
#19 n-Tetratriacontane (C34)

R.T.: 19.497 min
Delta R.T.: 0.017 min
Response: 1809605
Conc: 20.15 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.236 min
Delta R.T.: 0.017 min
Response: 1371970
Conc: 18.33 ug/ml



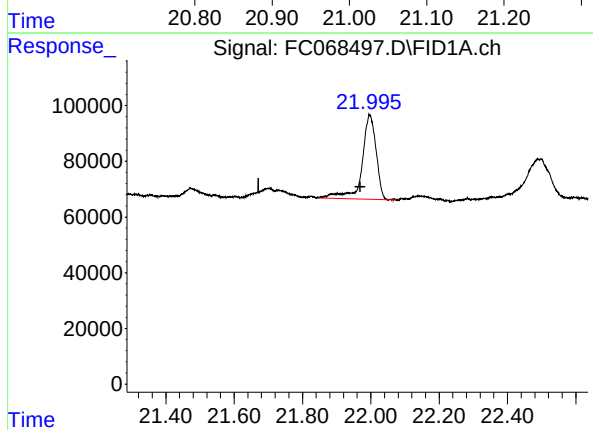
#21 n-Octatriacontane (C38)

R.T.: 21.013 min
Delta R.T.: 0.018 min
Response: 1038358
Conc: 16.61 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.997 min
Delta R.T.: 0.027 min
Response: 870012
Conc: 18.62 ug/ml