

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068506.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 21:15
 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 02:37:27 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)	11.721	2739240	21.242 ug/ml
Spiked Amount 50.000		Recovery =	42.48%
12) S 1-chlorooctadecane (S...	13.153	2021607	21.977 ug/ml
Spiked Amount 50.000		Recovery =	43.95%
Target Compounds			
1) T n-Nonane (C9)	3.451	2328385	20.895 ug/ml
2) T n-Decane (C10)	4.526	2405472	20.658 ug/ml
3) T A~Naphthalene (C11.7)	6.125	2647289	21.167 ug/ml
4) T n-Dodecane (C12)	6.552	2415132	21.355 ug/ml
5) T A~2-methylnaphthalene...	7.183	2577783	21.541 ug/ml
6) T n-Tetradecane (C14)	8.350	2377210	21.300 ug/ml
7) T n-Hexadecane (C16)	9.953	2419535	21.163 ug/ml
8) T n-Octadecane (C18)	11.397	2416705	21.078 ug/ml
10) T n-Eicosane (C20)	12.707	2308530	21.104 ug/ml
11) T n-Heneicosane (C21)	13.320	2262160	21.210 ug/ml
13) T n-Docosane (C22)	13.906	2256348	20.899 ug/ml
14) T n-Tetracosane (C24)	15.012	2255446	20.233 ug/ml
15) T n-Hexacosane (C26)	16.034	2215113	19.916 ug/ml
16) T n-Octacosane (C28)	16.985	2198871	19.859 ug/ml
17) T n-Tricontane (C30)	17.875	2272469	20.557 ug/ml
18) T n-Dotriacontane (C32)	18.711	2196932	21.104 ug/ml
19) T n-Tetratriacontane (C34)	19.495	1867075	20.792 ug/ml
20) T n-Hexatriacontane (C36)	20.234	1372166	18.329 ug/mlm
21) T n-Octatriacontane (C38)	21.011	1038247	16.607 ug/mlm
22) T n-Tetracontane (C40)	21.995	845820	18.104 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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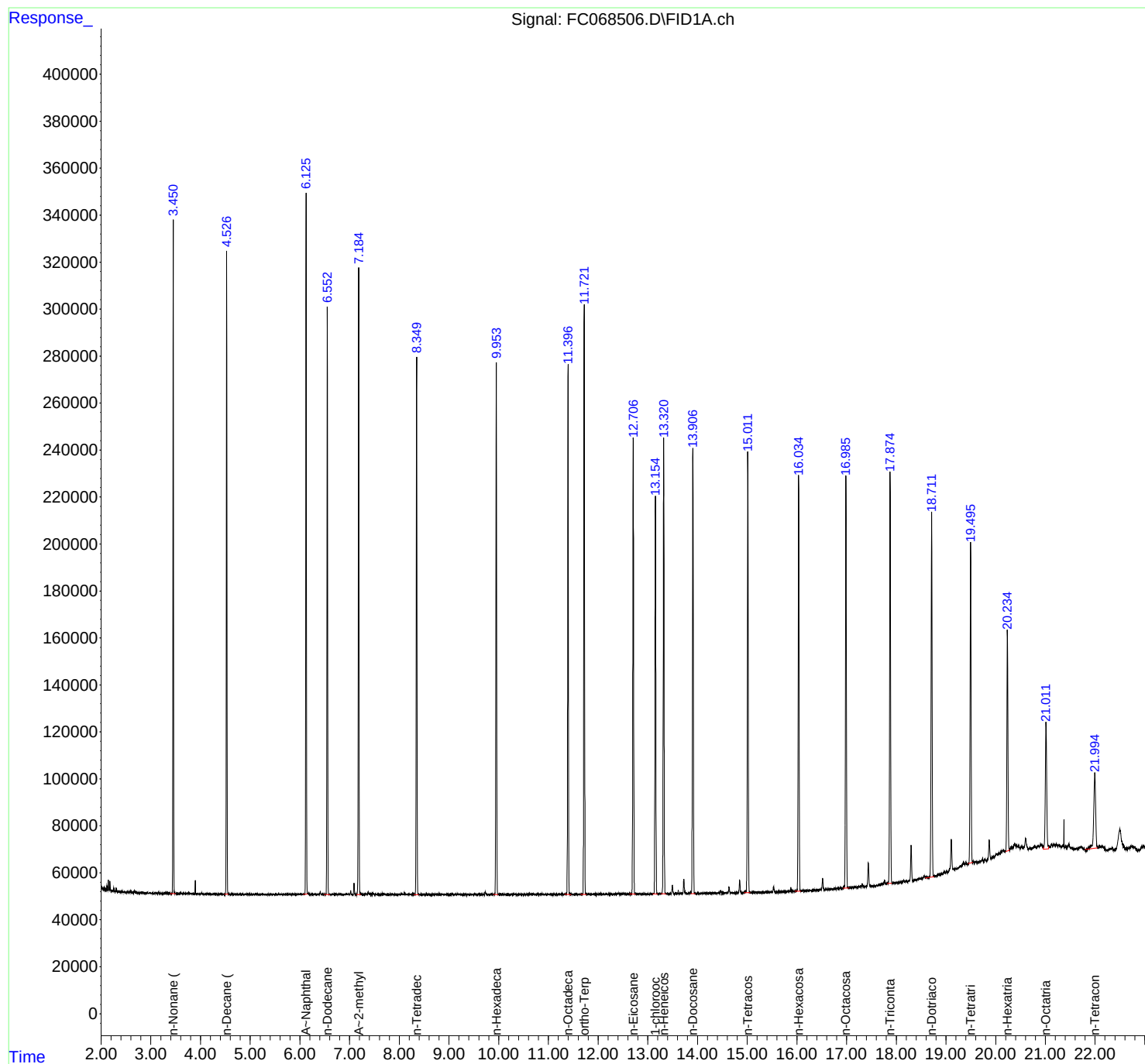
Instrument :
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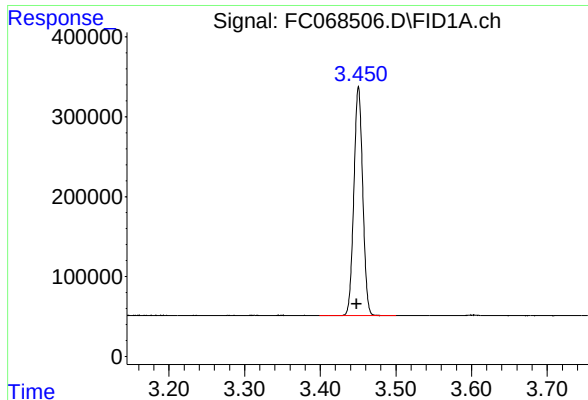
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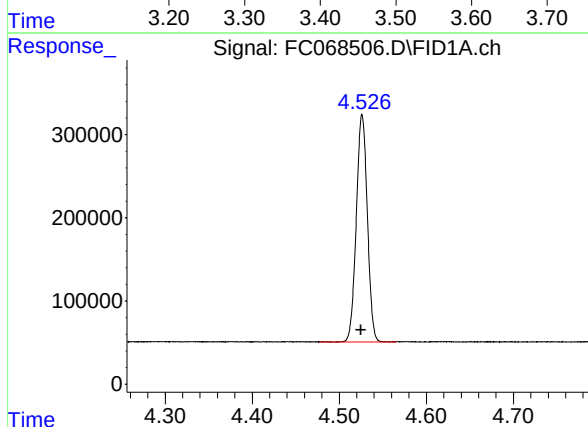
#1 n-Nonane (C9)

R.T.: 3.451 min
Delta R.T.: 0.003 min
Response: 2328385
Conc: 20.90 ug/ml

Instrument : FID_C
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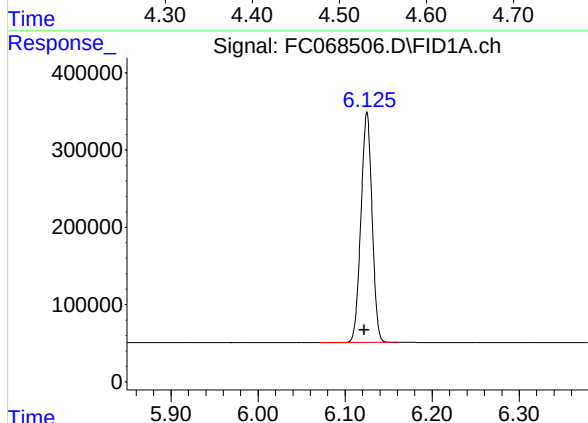
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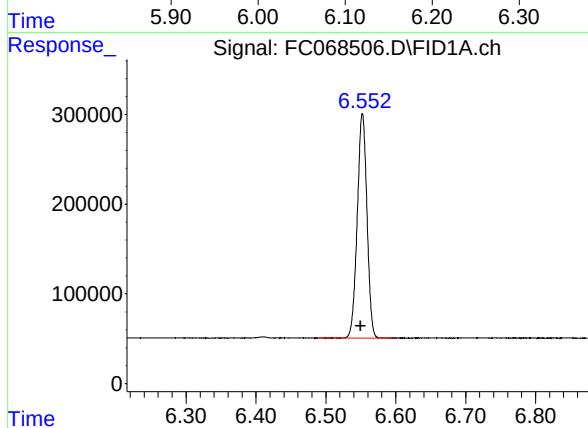
#2 n-Decane (C10)

R.T.: 4.526 min
Delta R.T.: 0.001 min
Response: 2405472
Conc: 20.66 ug/ml



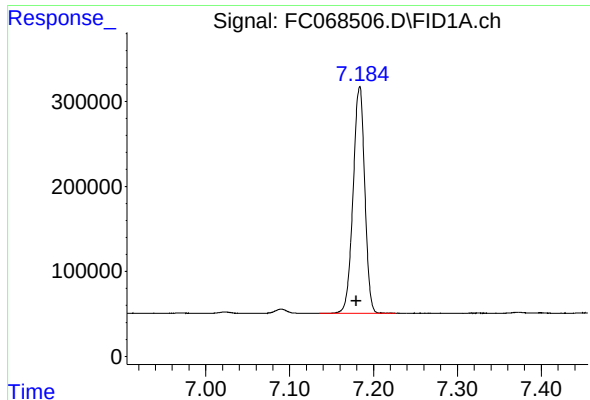
#3 A~Naphthalene (C11.7)

R.T.: 6.125 min
Delta R.T.: 0.003 min
Response: 2647289
Conc: 21.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.552 min
Delta R.T.: 0.003 min
Response: 2415132
Conc: 21.36 ug/ml



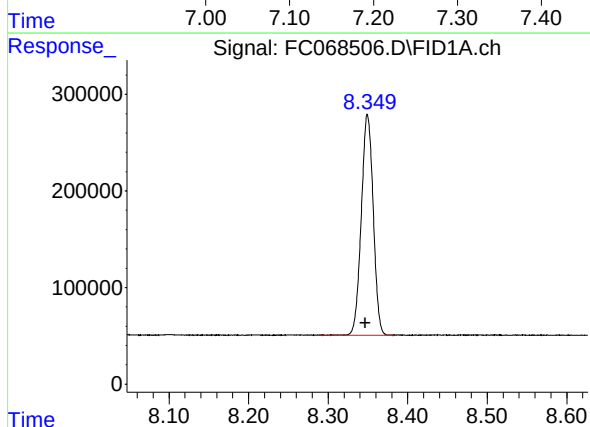
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.183 min
Delta R.T.: 0.004 min
Response: 2577783
Conc: 21.54 ug/ml

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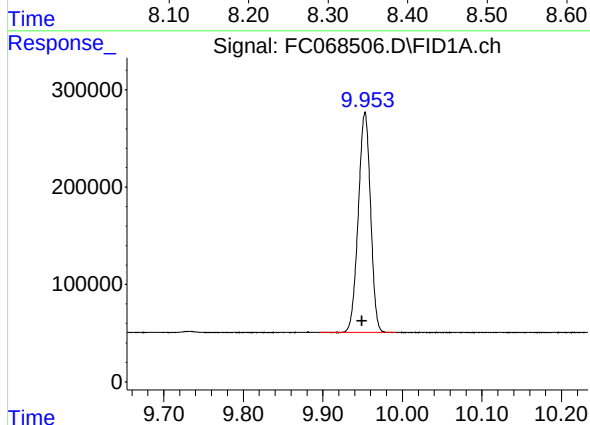
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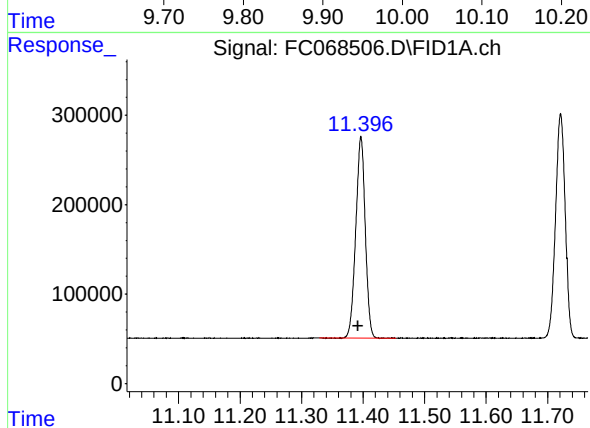
#6 n-Tetradecane (C14)

R.T.: 8.350 min
Delta R.T.: 0.003 min
Response: 2377210
Conc: 21.30 ug/ml



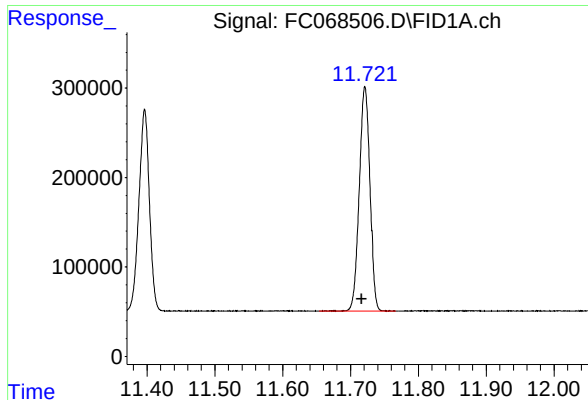
#7 n-Hexadecane (C16)

R.T.: 9.953 min
Delta R.T.: 0.004 min
Response: 2419535
Conc: 21.16 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.397 min
Delta R.T.: 0.005 min
Response: 2416705
Conc: 21.08 ug/ml



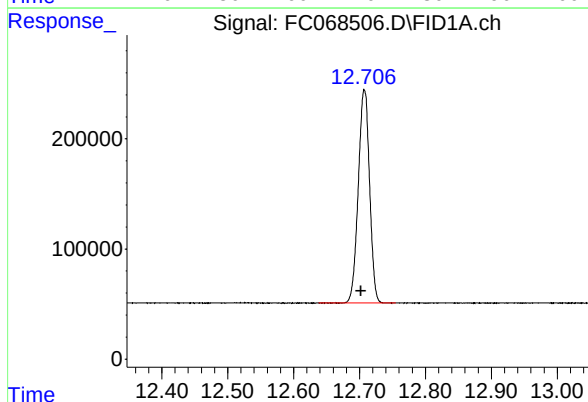
#9 ortho-Terphenyl (SURR)

R.T.: 11.721 min
Delta R.T.: 0.005 min
Response: 2739240
Conc: 21.24 ug/ml

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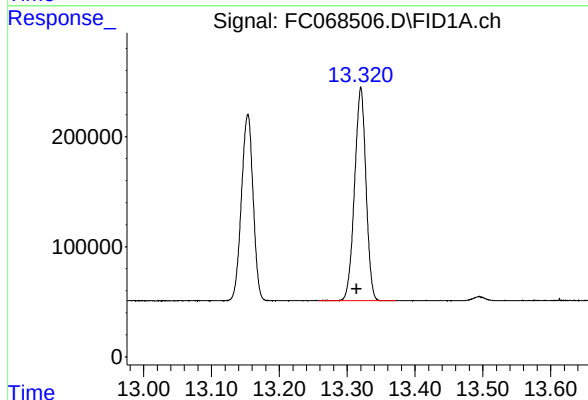
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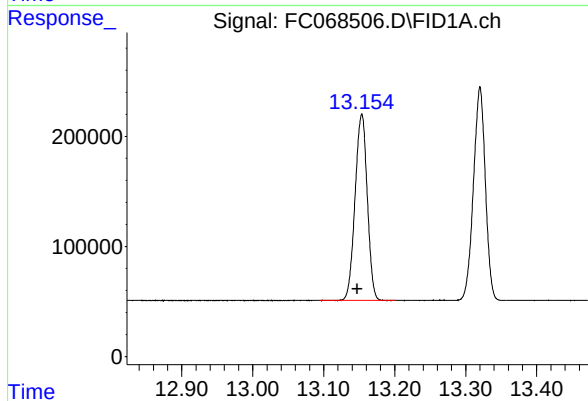
#10 n-Eicosane (C20)

R.T.: 12.707 min
Delta R.T.: 0.005 min
Response: 2308530
Conc: 21.10 ug/ml



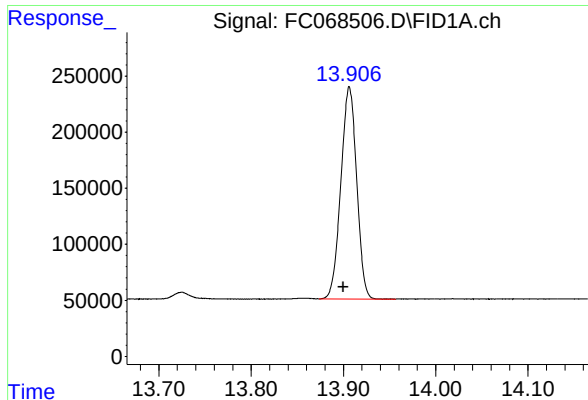
#11 n-Heneicosane (C21)

R.T.: 13.320 min
Delta R.T.: 0.006 min
Response: 2262160
Conc: 21.21 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.153 min
Delta R.T.: 0.006 min
Response: 2021607
Conc: 21.98 ug/ml



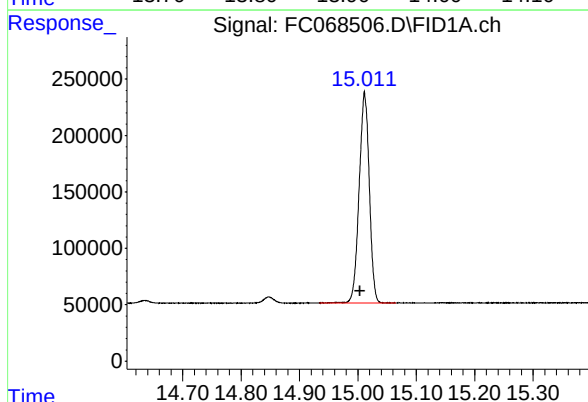
#13 n-Docosane (C22)

R.T.: 13.906 min
Delta R.T.: 0.006 min
Response: 2256348
Conc: 20.90 ug/ml

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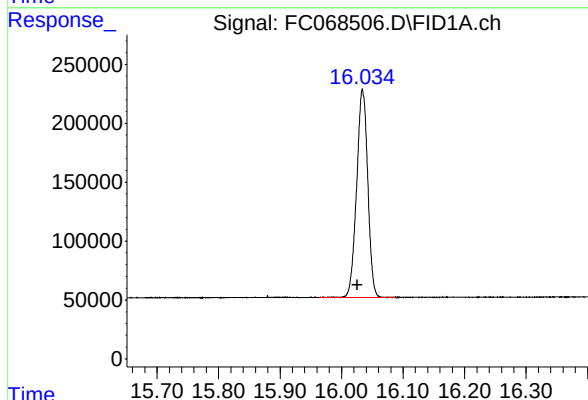
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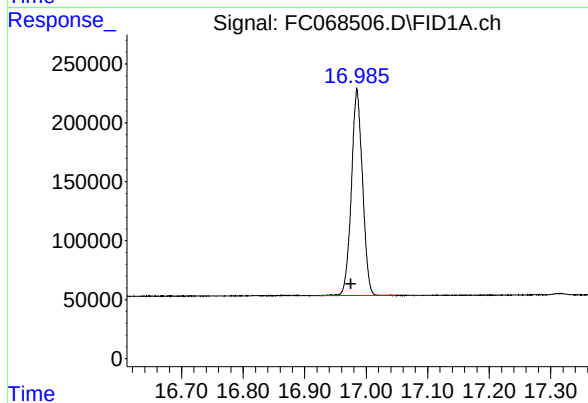
#14 n-Tetracosane (C24)

R.T.: 15.012 min
Delta R.T.: 0.008 min
Response: 2255446
Conc: 20.23 ug/ml



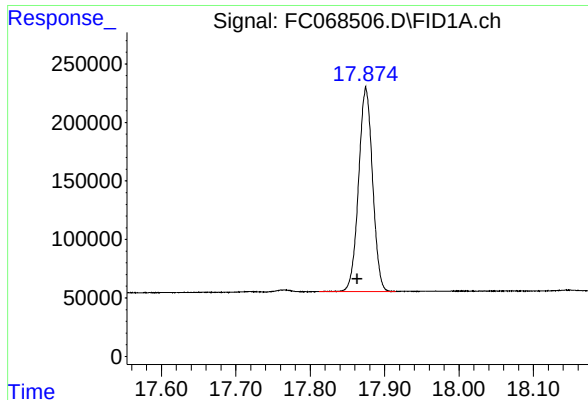
#15 n-Hexacosane (C26)

R.T.: 16.034 min
Delta R.T.: 0.009 min
Response: 2215113
Conc: 19.92 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.985 min
Delta R.T.: 0.010 min
Response: 2198871
Conc: 19.86 ug/ml



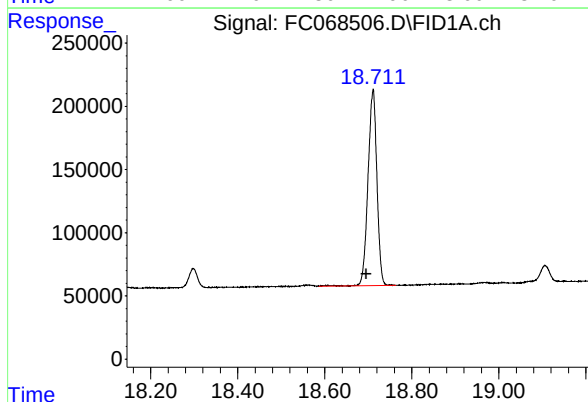
#17 n-Tricontane (C30)

R.T.: 17.875 min
Delta R.T.: 0.011 min
Response: 2272469
Conc: 20.56 ug/ml

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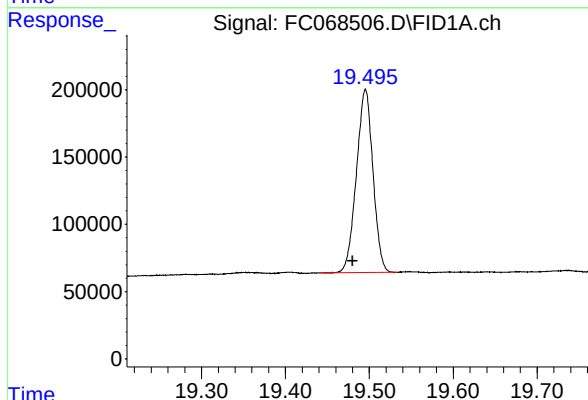
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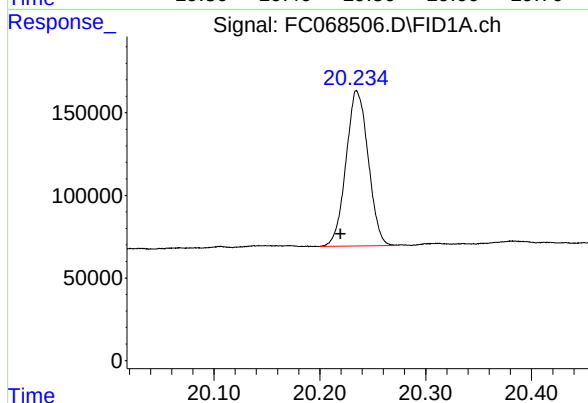
#18 n-Dotriacontane (C32)

R.T.: 18.711 min
Delta R.T.: 0.015 min
Response: 2196932
Conc: 21.10 ug/ml



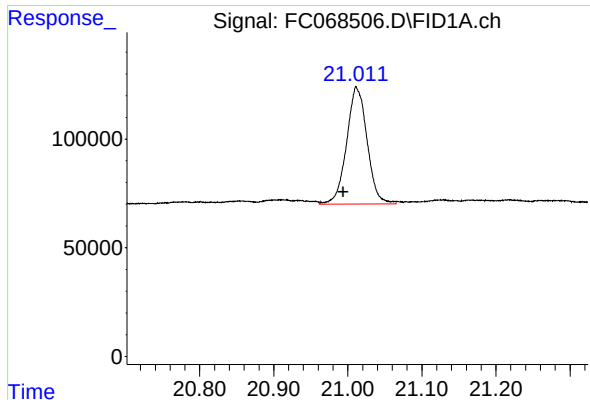
#19 n-Tetratriacontane (C34)

R.T.: 19.495 min
Delta R.T.: 0.015 min
Response: 1867075
Conc: 20.79 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.234 min
Delta R.T.: 0.015 min
Response: 1372166
Conc: 18.33 ug/ml m



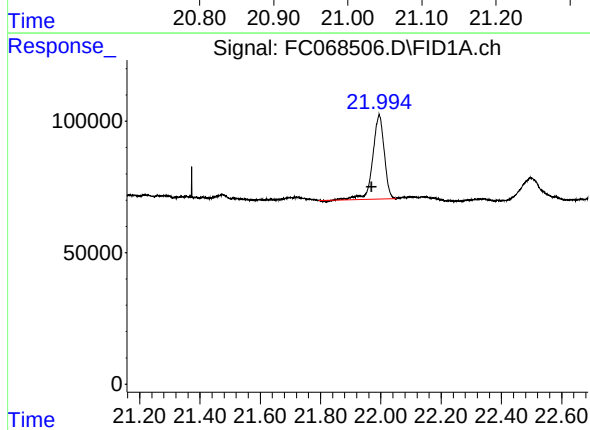
#21 n-Octatriacontane (C38)

R.T.: 21.011 min
Delta R.T.: 0.017 min
Response: 1038247
Conc: 16.61 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.995 min
Delta R.T.: 0.025 min
Response: 845820
Conc: 18.10 ug/ml