

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041425AL\
 Data File : FC068600.D
 Signal(s) : FID1A.ch
 Acq On : 14 Apr 2025 20:45
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/15/2025
 Supervised By :mohammad ahmed 04/16/2025

Integration File: autoint1.e
 Quant Time: Apr 15 01:18:50 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)	11.721	2307509	18.121 ug/ml
Spiked Amount 50.000		Recovery =	36.24%
12) S 1-chlorooctadecane (S...	13.155	1702560	18.328 ug/ml
Spiked Amount 50.000		Recovery =	36.66%
Target Compounds			
1) T n-Nonane (C9)	3.446	2150477	20.418 ug/ml
2) T n-Decane (C10)	4.524	2168919	20.586 ug/ml
3) T A~Naphthalene (C11.7)	6.124	2404596	20.647 ug/ml
4) T n-Dodecane (C12)	6.551	2114279	20.105 ug/ml
5) T A~2-methylnaphthalene...	7.183	2293885	19.861 ug/ml
6) T n-Tetradecane (C14)	8.349	2025384	19.701 ug/ml
7) T n-Hexadecane (C16)	9.952	2041971	20.051 ug/ml
8) T n-Octadecane (C18)	11.396	2029021	20.163 ug/ml
10) T n-Eicosane (C20)	12.708	1941794	19.742 ug/ml
11) T n-Heneicosane (C21)	13.321	1914888	19.649 ug/ml
13) T n-Docosane (C22)	13.908	1910948	19.783 ug/ml
14) T n-Tetracosane (C24)	15.013	1921530	20.187 ug/ml
15) T n-Hexacosane (C26)	16.037	1911491	20.465 ug/ml
16) T n-Octacosane (C28)	16.987	1901225	20.765 ug/ml
17) T n-Tricontane (C30)	17.877	1968569	21.413 ug/ml
18) T n-Dotriacontane (C32)	18.712	1944035	21.193 ug/mlm
19) T n-Tetratriacontane (C34)	19.497	1773662	19.853 ug/ml
20) T n-Hexatriacontane (C36)	20.239	1483029	16.556 ug/ml
21) T n-Octatriacontane (C38)	21.018	1667129	18.856 ug/ml
22) T n-Tetracontane (C40)	21.999	1471732	16.666 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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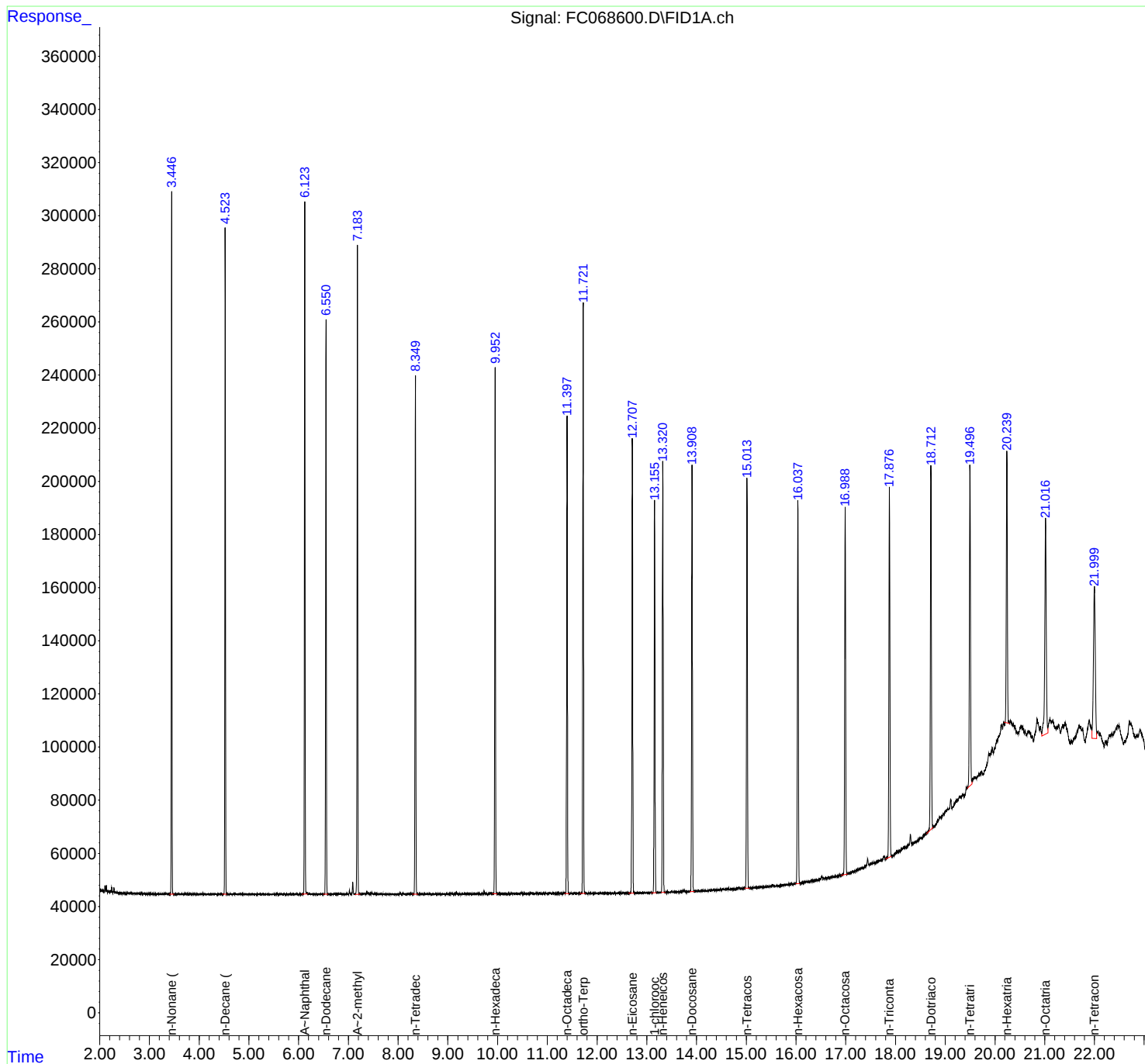
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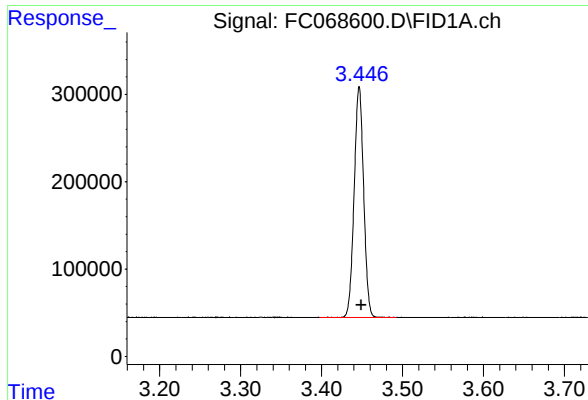
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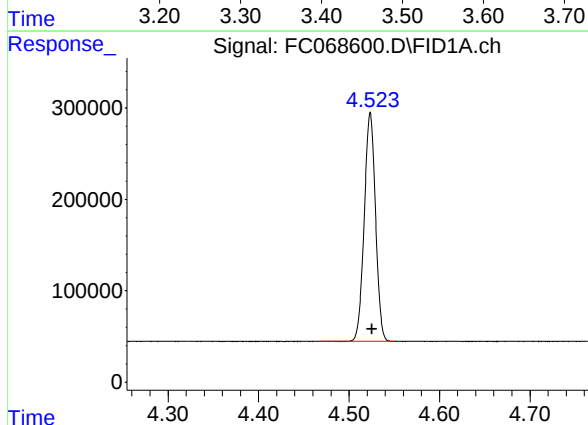
#1 n-Nonane (C9)

R.T.: 3.446 min
Delta R.T.: -0.003 min
Response: 2150477
Conc: 20.42 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

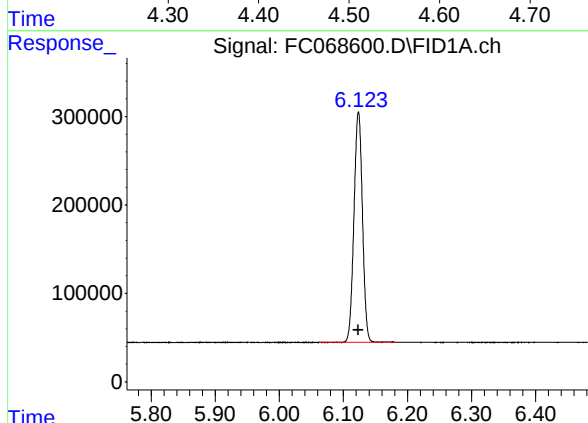
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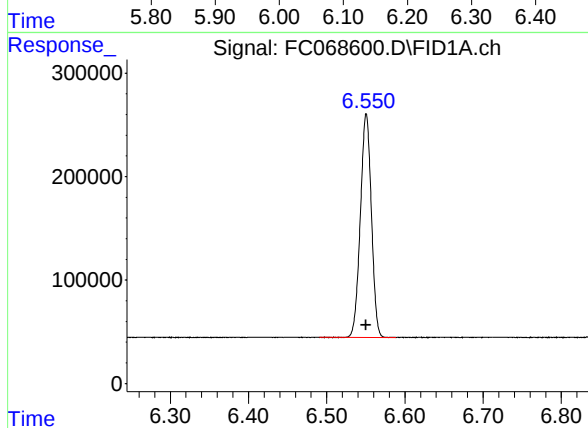
#2 n-Decane (C10)

R.T.: 4.524 min
Delta R.T.: -0.002 min
Response: 2168919
Conc: 20.59 ug/ml



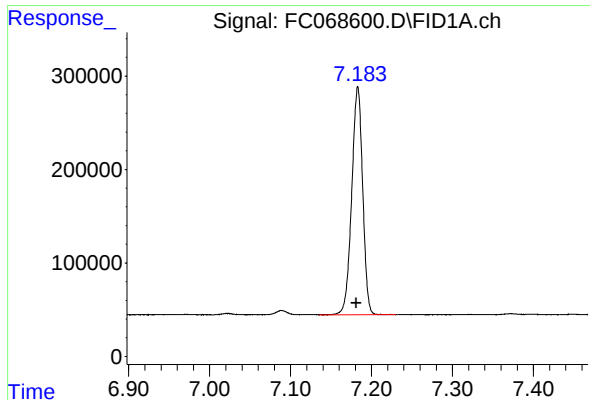
#3 A~Naphthalene (C11.7)

R.T.: 6.124 min
Delta R.T.: 0.000 min
Response: 2404596
Conc: 20.65 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.551 min
Delta R.T.: 0.000 min
Response: 2114279
Conc: 20.10 ug/ml



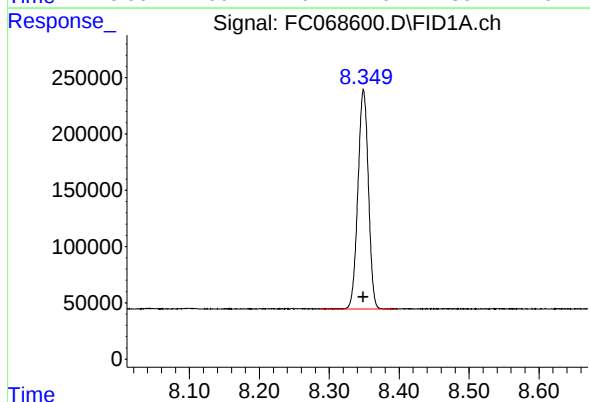
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.183 min
Delta R.T.: 0.002 min
Response: 2293885
Conc: 19.86 ug/ml

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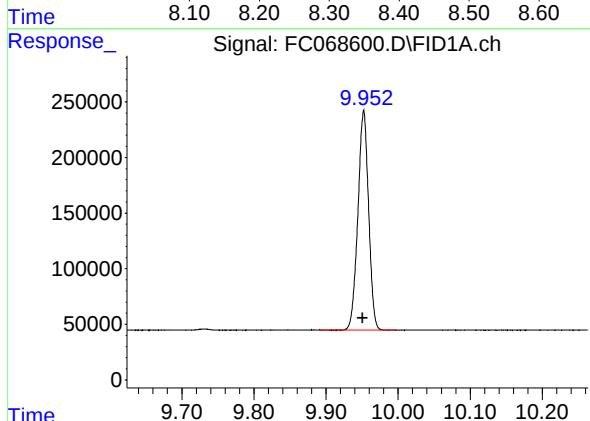
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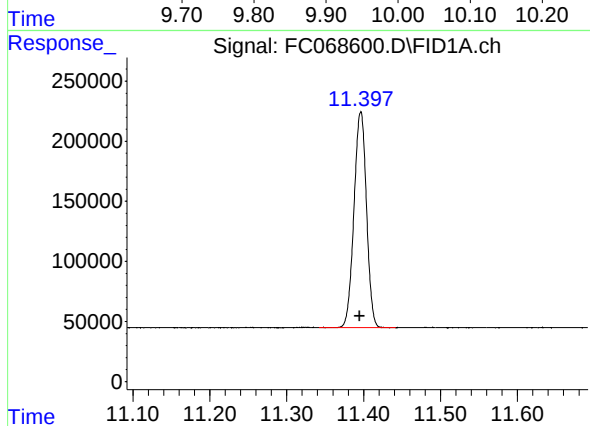
#6 n-Tetradecane (C14)

R.T.: 8.349 min
Delta R.T.: 0.000 min
Response: 2025384
Conc: 19.70 ug/ml



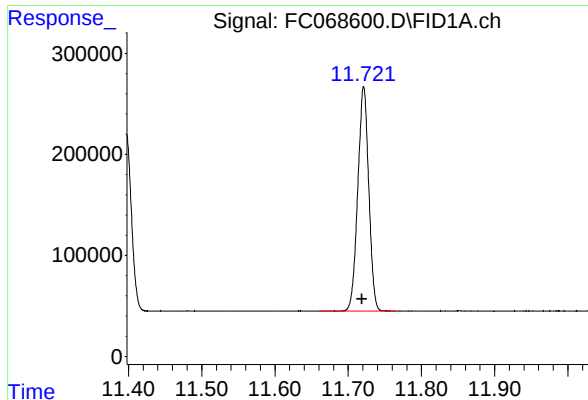
#7 n-Hexadecane (C16)

R.T.: 9.952 min
Delta R.T.: 0.001 min
Response: 2041971
Conc: 20.05 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.396 min
Delta R.T.: 0.001 min
Response: 2029021
Conc: 20.16 ug/ml



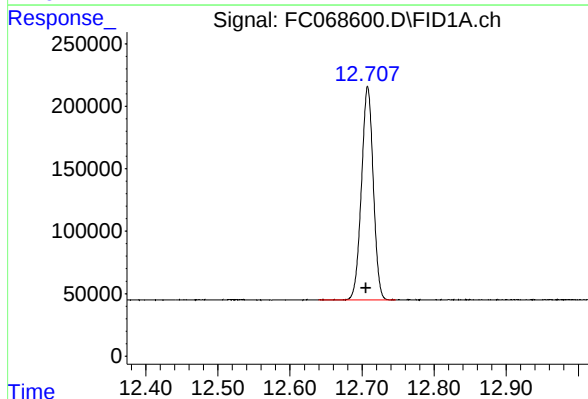
#9 ortho-Terphenyl (SURR)

R.T.: 11.721 min
Delta R.T.: 0.002 min
Response: 2307509
Conc: 18.12 ug/ml

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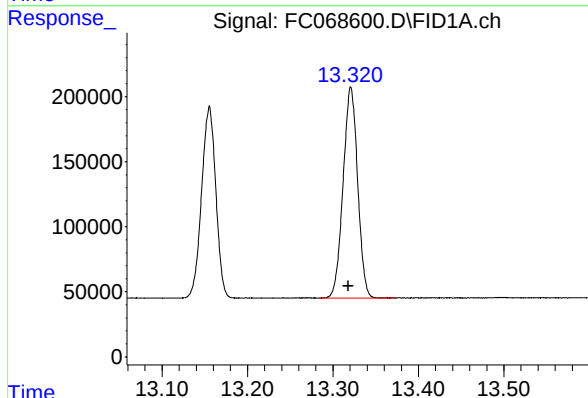
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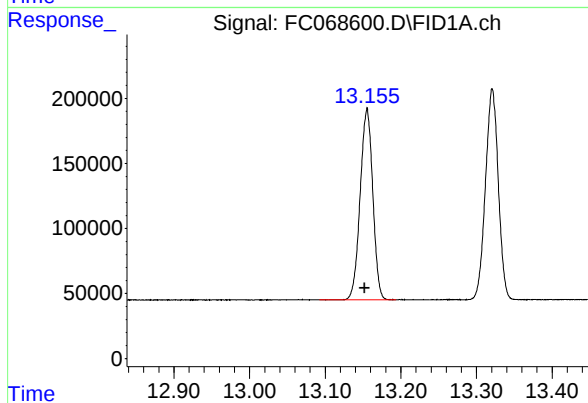
#10 n-Eicosane (C20)

R.T.: 12.708 min
Delta R.T.: 0.002 min
Response: 1941794
Conc: 19.74 ug/ml



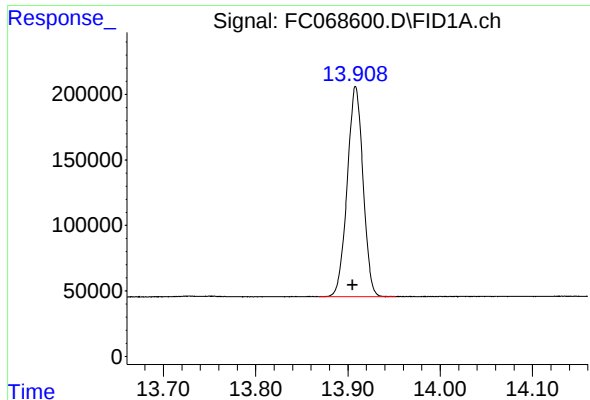
#11 n-Heneicosane (C21)

R.T.: 13.321 min
Delta R.T.: 0.003 min
Response: 1914888
Conc: 19.65 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.155 min
Delta R.T.: 0.003 min
Response: 1702560
Conc: 18.33 ug/ml



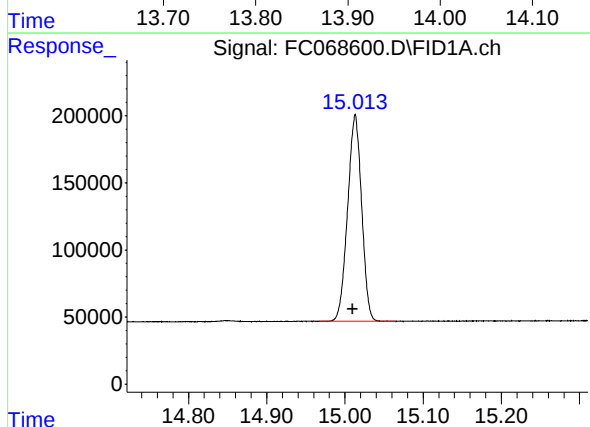
#13 n-Docosane (C22)

R.T.: 13.908 min
Delta R.T.: 0.003 min
Response: 1910948
Conc: 19.78 ug/ml

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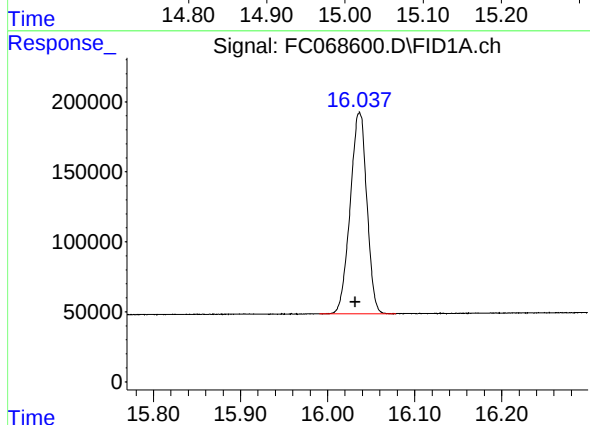
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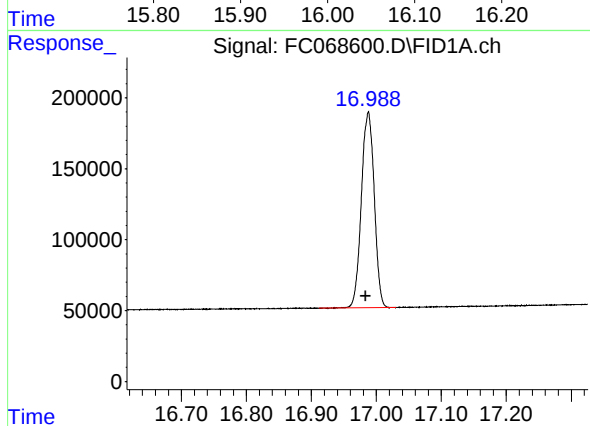
#14 n-Tetracosane (C24)

R.T.: 15.013 min
Delta R.T.: 0.003 min
Response: 1921530
Conc: 20.19 ug/ml



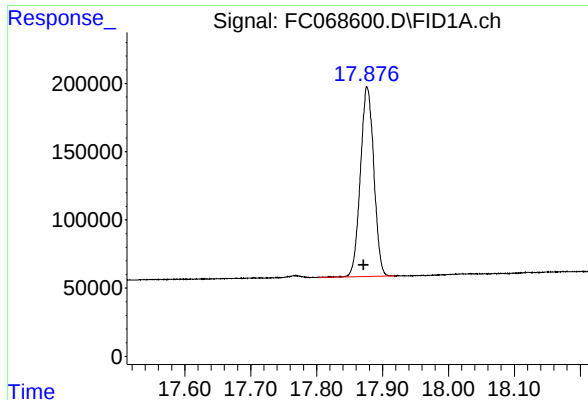
#15 n-Hexacosane (C26)

R.T.: 16.037 min
Delta R.T.: 0.005 min
Response: 1911491
Conc: 20.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.987 min
Delta R.T.: 0.004 min
Response: 1901225
Conc: 20.77 ug/ml



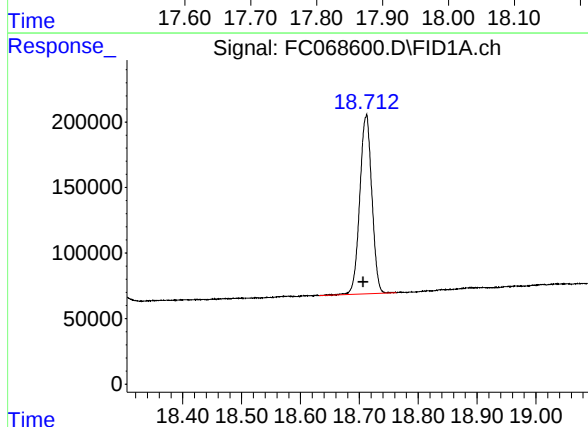
#17 n-Tricontane (C30)

R.T.: 17.877 min
Delta R.T.: 0.006 min
Response: 1968569
Conc: 21.41 ug/ml

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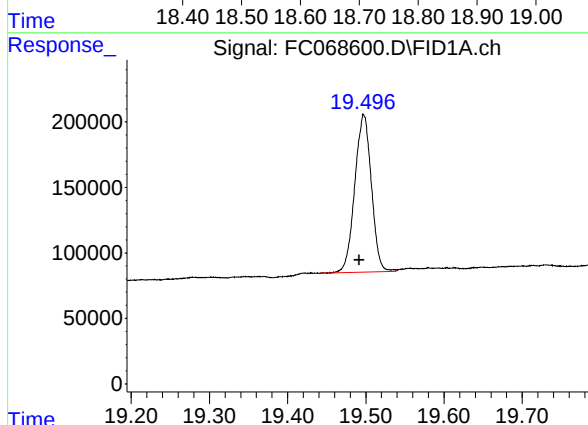
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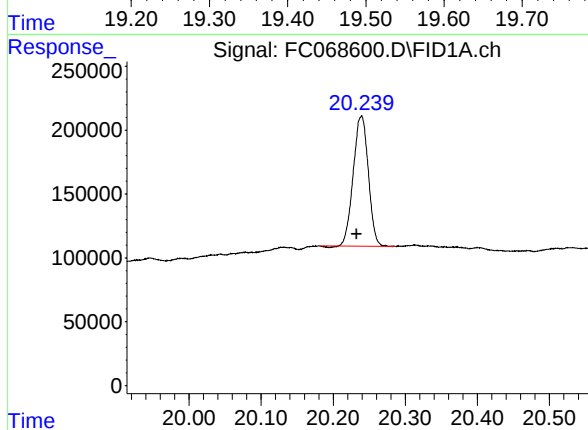
#18 n-Dotriacontane (C32)

R.T.: 18.712 min
Delta R.T.: 0.006 min
Response: 1944035
Conc: 21.19 ug/ml m



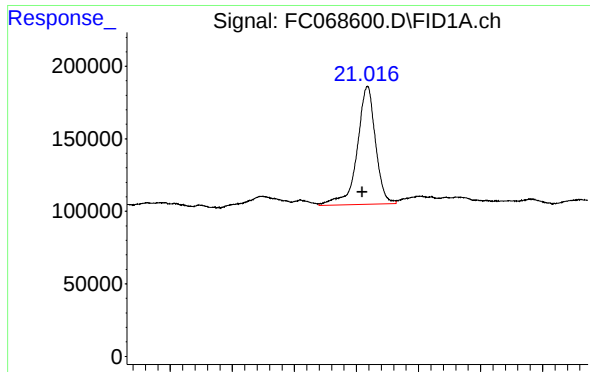
#19 n-Tetratriacontane (C34)

R.T.: 19.497 min
Delta R.T.: 0.006 min
Response: 1773662
Conc: 19.85 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.239 min
Delta R.T.: 0.007 min
Response: 1483029
Conc: 16.56 ug/ml



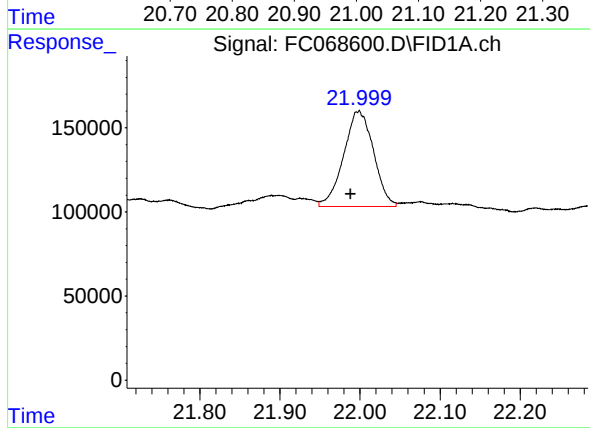
#21 n-Octatriacontane (C38)

R.T.: 21.018 min
Delta R.T.: 0.008 min
Response: 1667129
Conc: 18.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.999 min
Delta R.T.: 0.010 min
Response: 1471732
Conc: 16.67 ug/ml m