

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040825AL\
 Data File : FC068509.D
 Signal(s) : FID1A.ch
 Acq On : 08 Apr 2025 08:52
 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 04/09/2025
 Supervised By :mohammad ahmed 04/10/2025

Integration File: autoint1.e
 Quant Time: Apr 09 04:12:30 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)	11.723	2741934	21.263 ug/ml
Spiked Amount 50.000		Recovery =	42.53%
12) S 1-chlorooctadecane (S...	13.156	2031932	22.089 ug/ml
Spiked Amount 50.000		Recovery =	44.18%
Target Compounds			
1) T n-Nonane (C9)	3.449	2284308	20.499 ug/ml
2) T n-Decane (C10)	4.526	2368894	20.344 ug/ml
3) T A~Naphthalene (C11.7)	6.125	2617091	20.925 ug/ml
4) T n-Dodecane (C12)	6.553	2384535	21.085 ug/ml
5) T A~2-methylnaphthalene...	7.184	2542718	21.248 ug/ml
6) T n-Tetradecane (C14)	8.351	2358328	21.131 ug/ml
7) T n-Hexadecane (C16)	9.955	2415495	21.128 ug/ml
8) T n-Octadecane (C18)	11.398	2421382	21.119 ug/ml
10) T n-Eicosane (C20)	12.710	2318884	21.198 ug/ml
11) T n-Heneicosane (C21)	13.322	2277404	21.353 ug/ml
13) T n-Docosane (C22)	13.909	2287214	21.185 ug/ml
14) T n-Tetracosane (C24)	15.013	2287857	20.524 ug/ml
15) T n-Hexacosane (C26)	16.036	2261919	20.337 ug/ml
16) T n-Octacosane (C28)	16.987	2253047	20.348 ug/ml
17) T n-Tricontane (C30)	17.876	2347308	21.234 ug/ml
18) T n-Dotriacontane (C32)	18.709	2272481	21.830 ug/ml
19) T n-Tetratriacontane (C34)	19.494	1934457	21.543 ug/ml
20) T n-Hexatriacontane (C36)	20.234	1400181	18.704 ug/ml
21) T n-Octatriacontane (C38)	21.009	1046373	16.737 ug/mlm
22) T n-Tetracontane (C40)	21.994	806140	17.255 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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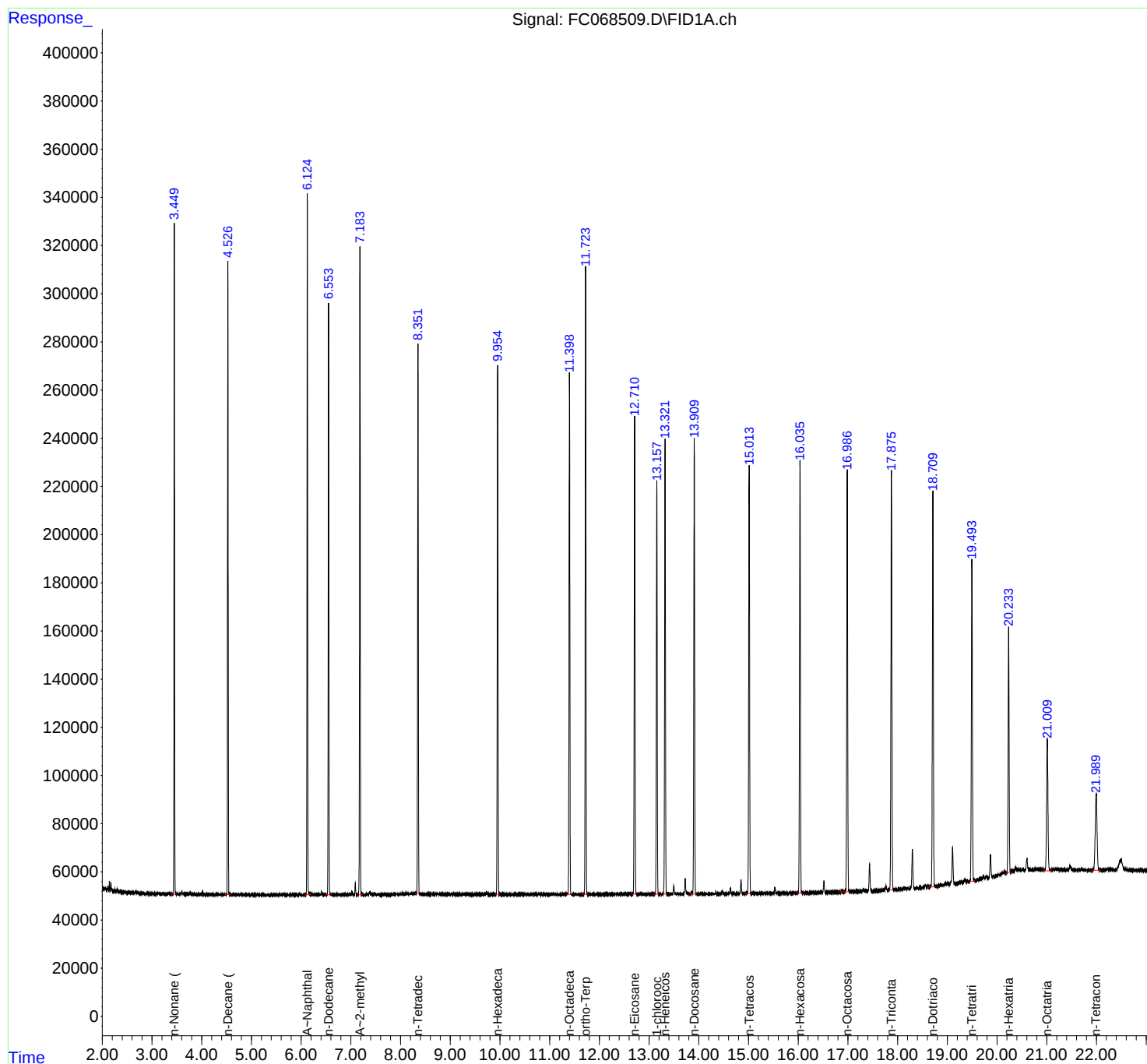
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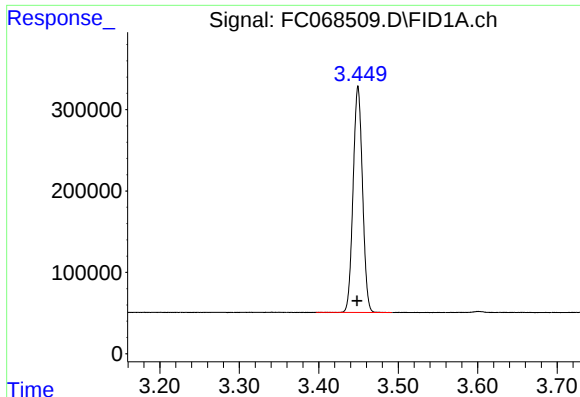
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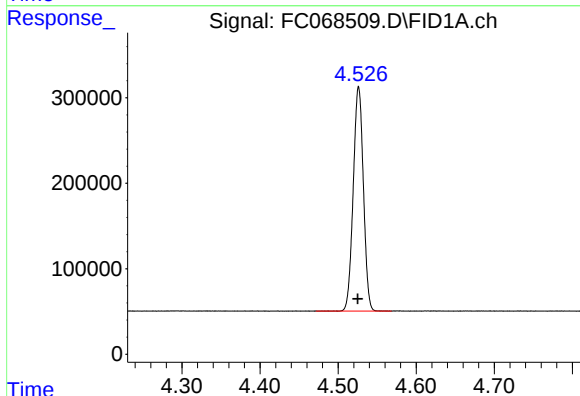
#1 n-Nonane (C9)

R.T.: 3.449 min
Delta R.T.: 0.001 min
Response: 2284308
Conc: 20.50 ug/ml

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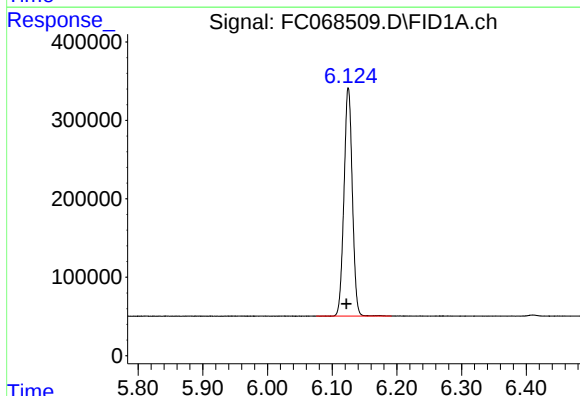
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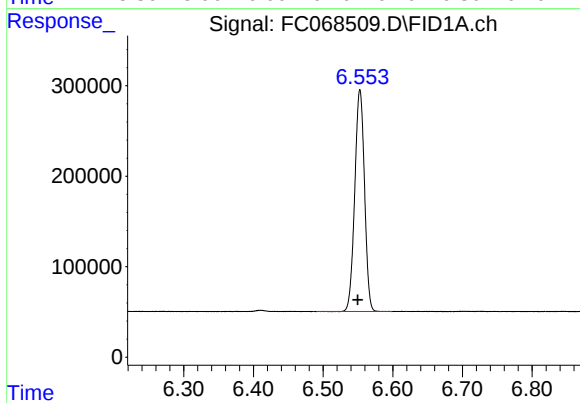
#2 n-Decane (C10)

R.T.: 4.526 min
Delta R.T.: 0.001 min
Response: 2368894
Conc: 20.34 ug/ml



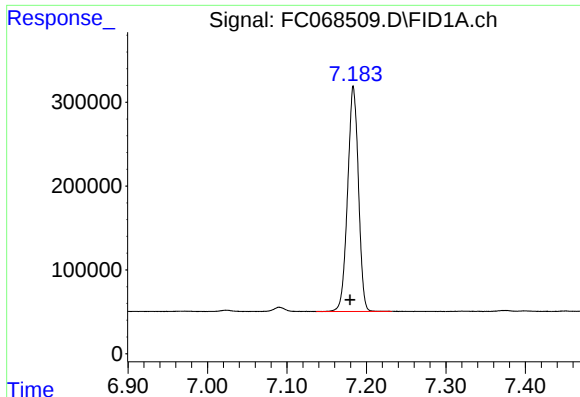
#3 A~Naphthalene (C11.7)

R.T.: 6.125 min
Delta R.T.: 0.003 min
Response: 2617091
Conc: 20.93 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.553 min
Delta R.T.: 0.003 min
Response: 2384535
Conc: 21.08 ug/ml



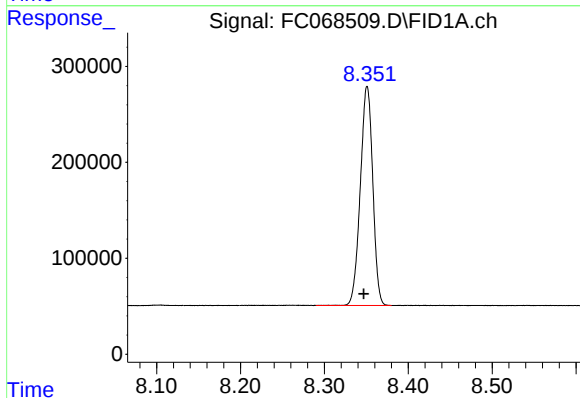
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.184 min
Delta R.T.: 0.004 min
Response: 2542718
Conc: 21.25 ug/ml

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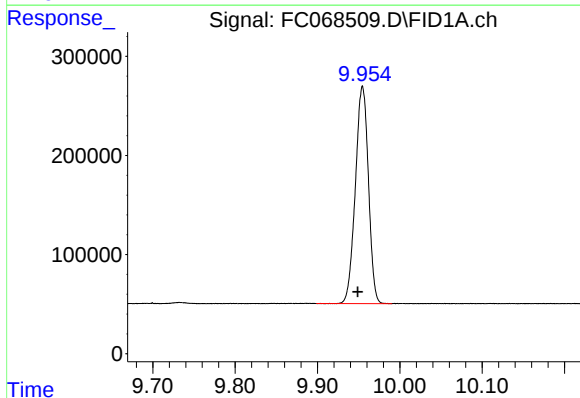
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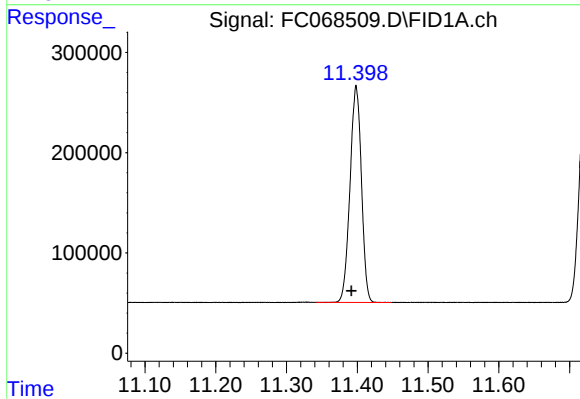
#6 n-Tetradecane (C14)

R.T.: 8.351 min
Delta R.T.: 0.004 min
Response: 2358328
Conc: 21.13 ug/ml



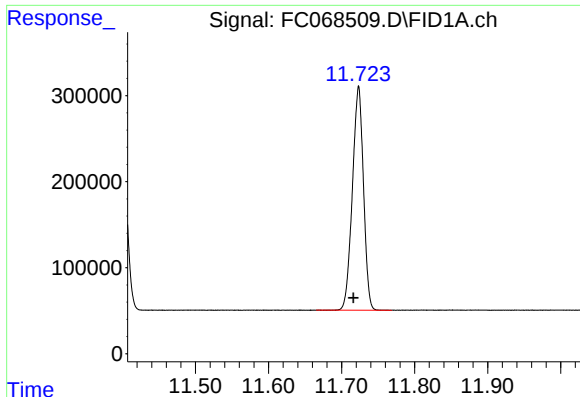
#7 n-Hexadecane (C16)

R.T.: 9.955 min
Delta R.T.: 0.006 min
Response: 2415495
Conc: 21.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.398 min
Delta R.T.: 0.007 min
Response: 2421382
Conc: 21.12 ug/ml



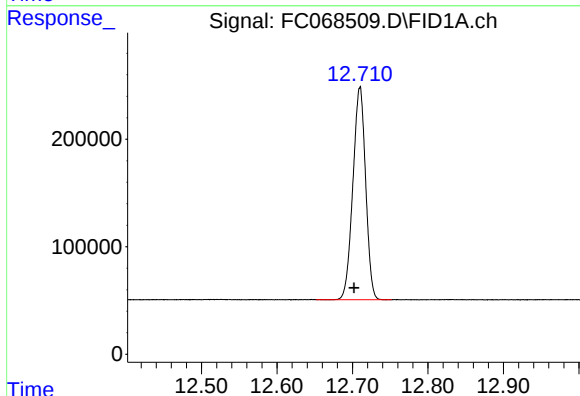
#9 ortho-Terphenyl (SURR)

R.T.: 11.723 min
Delta R.T.: 0.007 min
Response: 2741934
Conc: 21.26 ug/ml

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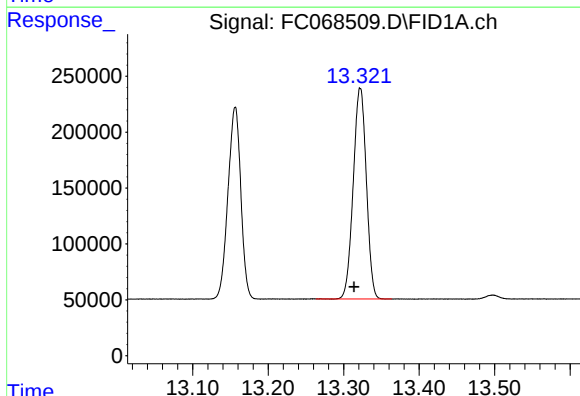
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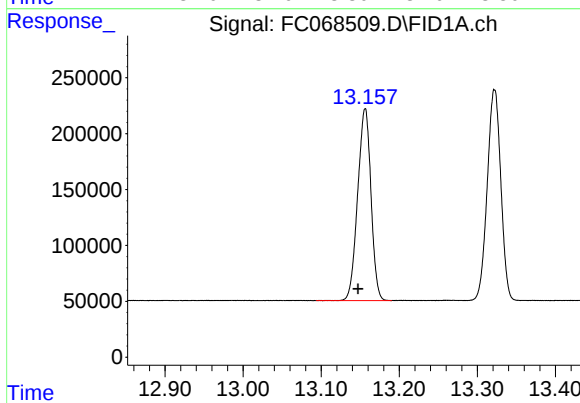
#10 n-Eicosane (C20)

R.T.: 12.710 min
Delta R.T.: 0.008 min
Response: 2318884
Conc: 21.20 ug/ml



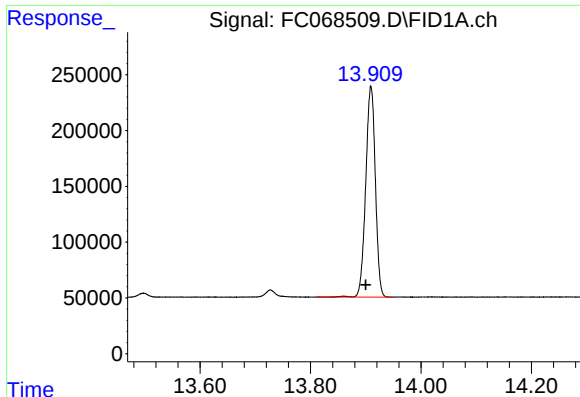
#11 n-Heneicosane (C21)

R.T.: 13.322 min
Delta R.T.: 0.008 min
Response: 2277404
Conc: 21.35 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.156 min
Delta R.T.: 0.009 min
Response: 2031932
Conc: 22.09 ug/ml



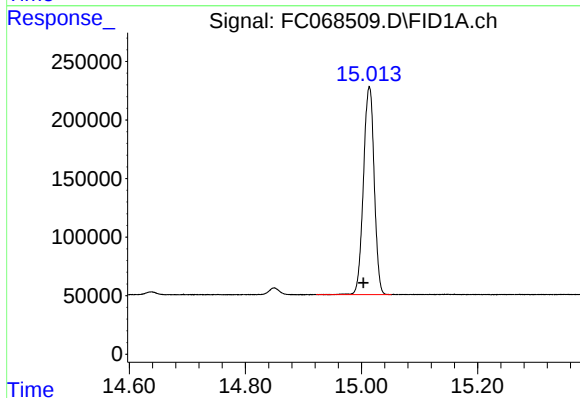
#13 n-Docosane (C22)

R.T.: 13.909 min
Delta R.T.: 0.009 min
Response: 2287214
Conc: 21.18 ug/ml

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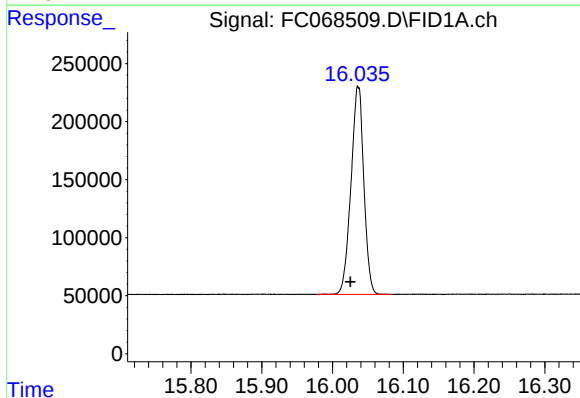
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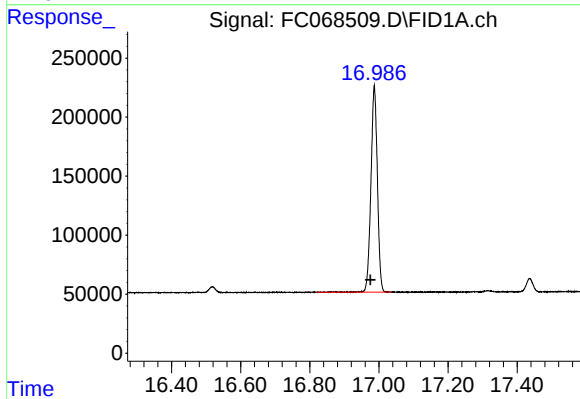
#14 n-Tetracosane (C24)

R.T.: 15.013 min
Delta R.T.: 0.010 min
Response: 2287857
Conc: 20.52 ug/ml



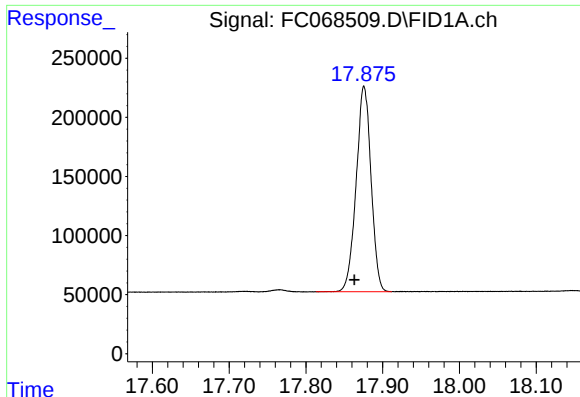
#15 n-Hexacosane (C26)

R.T.: 16.036 min
Delta R.T.: 0.011 min
Response: 2261919
Conc: 20.34 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.987 min
Delta R.T.: 0.011 min
Response: 2253047
Conc: 20.35 ug/ml



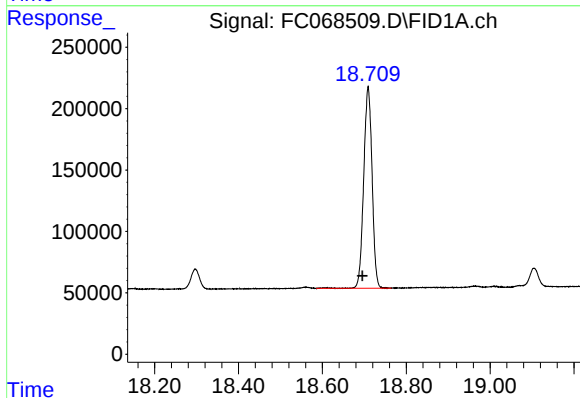
#17 n-Tricontane (C30)

R.T.: 17.876 min
Delta R.T.: 0.012 min
Response: 2347308
Conc: 21.23 ug/ml

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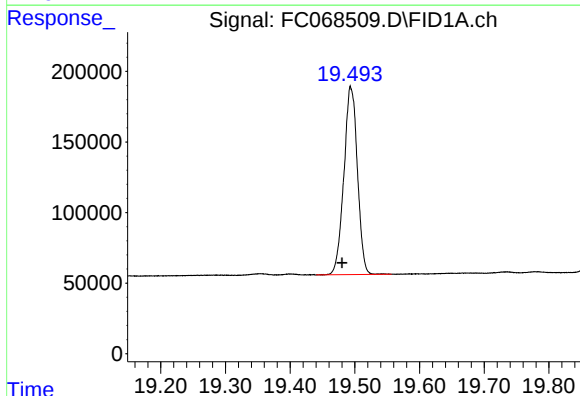
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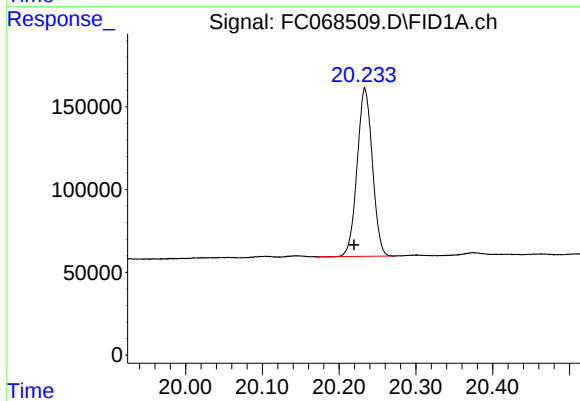
#18 n-Dotriacontane (C32)

R.T.: 18.709 min
Delta R.T.: 0.013 min
Response: 2272481
Conc: 21.83 ug/ml



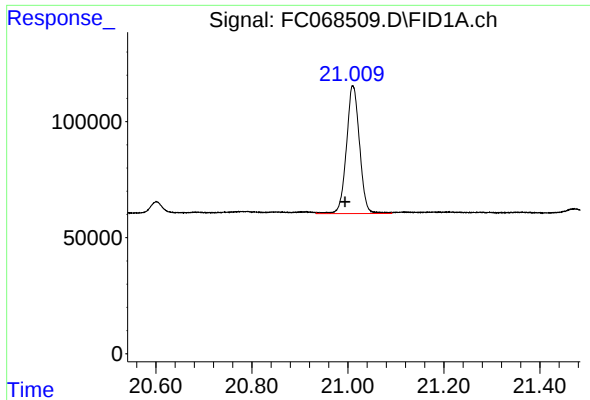
#19 n-Tetratriacontane (C34)

R.T.: 19.494 min
Delta R.T.: 0.014 min
Response: 1934457
Conc: 21.54 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.234 min
Delta R.T.: 0.014 min
Response: 1400181
Conc: 18.70 ug/ml



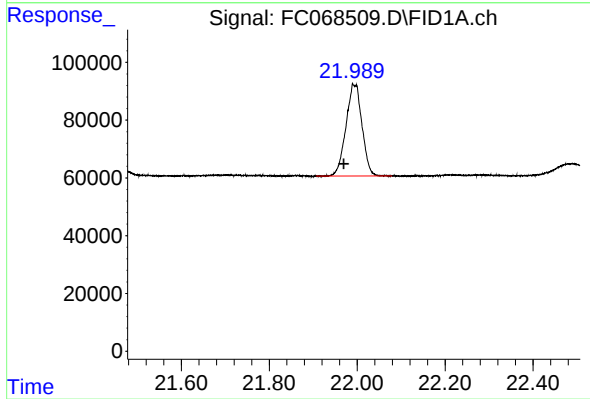
#21 n-Octatriacontane (C38)

R.T.: 21.009 min
Delta R.T.: 0.015 min
Response: 1046373
Conc: 16.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.994 min
Delta R.T.: 0.025 min
Response: 806140
Conc: 17.25 ug/ml