

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
 Data File : FC068059.D
 Signal(s) : FID1A.ch
 Acq On : 20 Dec 2024 09:05
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/23/2024
 Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
 Quant Time: Dec 21 01:49:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:59:10 2024
 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)	11.425	3244981	18.766 ug/ml
Spiked Amount 50.000		Recovery =	37.53%
12) S 1-chlorooctadecane (S...	12.866	2410220	18.890 ug/ml
Spiked Amount 50.000		Recovery =	37.78%
Target Compounds			
1) T n-Nonane (C9)	3.217	2980985	19.187 ug/ml
2) T n-Decane (C10)	4.277	3048154	19.228 ug/ml
3) T A~Naphthalene (C11.7)	5.848	3354487	19.215 ug/ml
4) T n-Dodecane (C12)	6.289	3094133	19.216 ug/ml
5) T A~2-methylnaphthalene...	6.902	3237958	19.325 ug/ml
6) T n-Tetradecane (C14)	8.081	3049369	19.179 ug/ml
7) T n-Hexadecane (C16)	9.679	3097913	19.176 ug/ml
8) T n-Octadecane (C18)	11.119	3051077	19.005 ug/ml
10) T n-Eicosane (C20)	12.426	2851189	18.954 ug/ml
11) T n-Heneicosane (C21)	13.037	2772825	18.977 ug/ml
13) T n-Docosane (C22)	13.622	2714646	18.964 ug/ml
14) T n-Tetracosane (C24)	14.723	2637809	18.984 ug/ml
15) T n-Hexacosane (C26)	15.742	2544423	19.026 ug/ml
16) T n-Octacosane (C28)	16.691	2479062	19.112 ug/ml
17) T n-Tricontane (C30)	17.576	2473907	19.097 ug/ml
18) T n-Dotriacontane (C32)	18.410	2408670	19.443 ug/mlm
19) T n-Tetratriacontane (C34)	19.190	2064244	18.912 ug/ml
20) T n-Hexatriacontane (C36)	19.928	1807028	19.100 ug/ml
21) T n-Octatriacontane (C38)	20.645	1782781	19.707 ug/ml
22) T n-Tetracontane (C40)	21.509	1735356	19.689 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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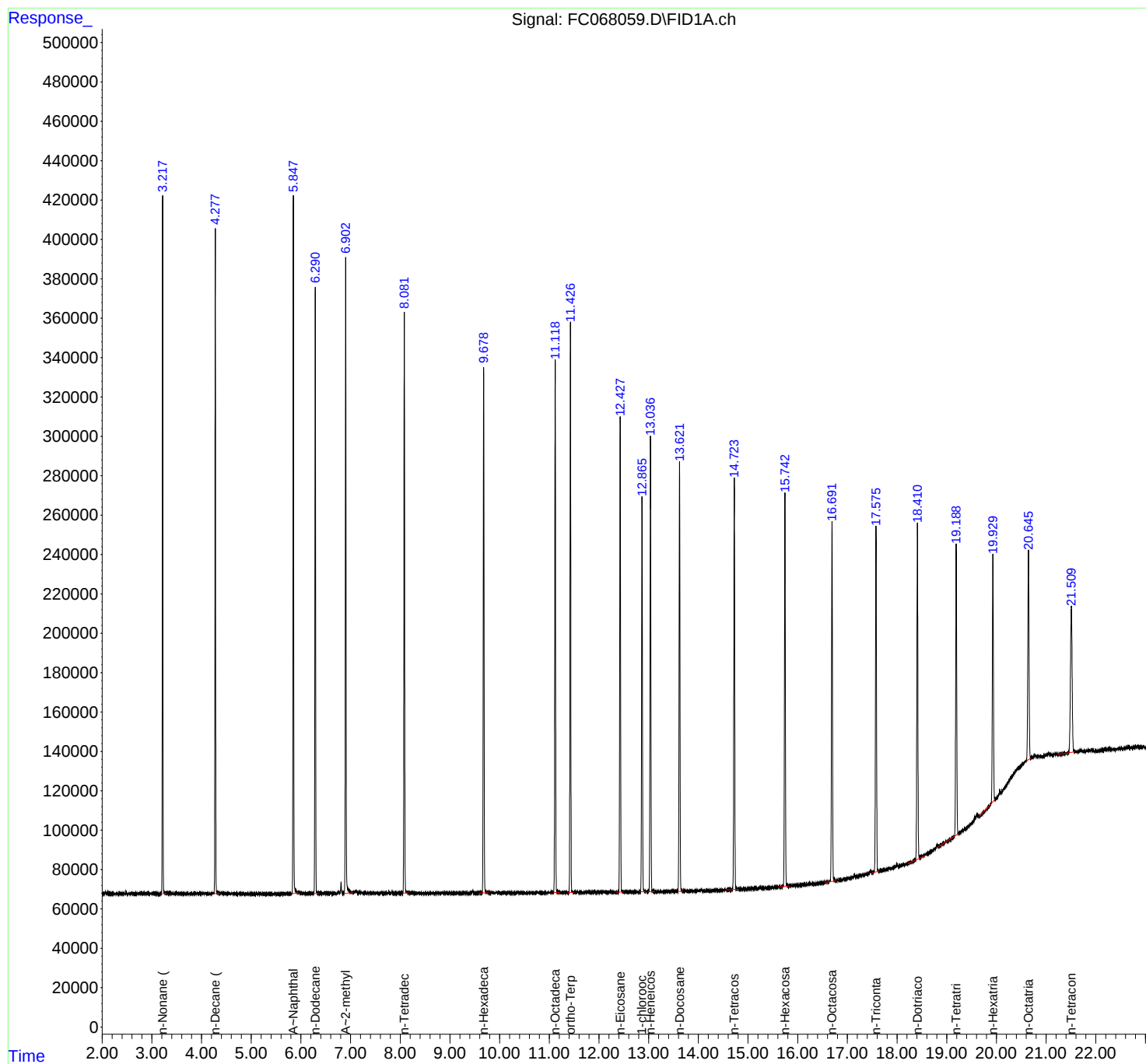
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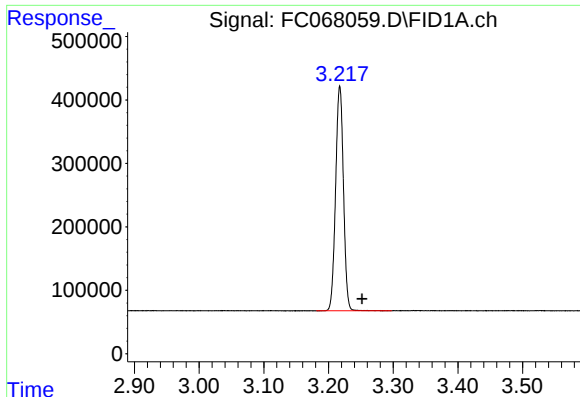
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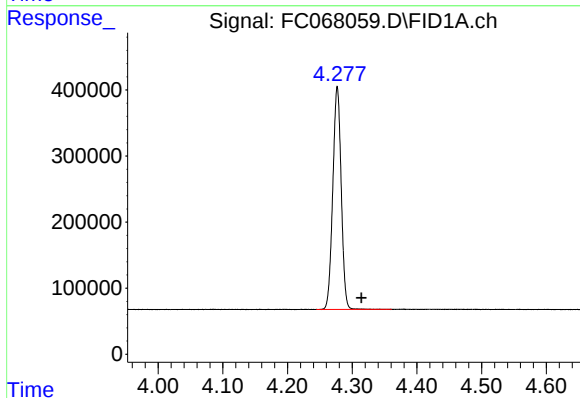
#1 n-Nonane (C9)

R.T.: 3.217 min
Delta R.T.: -0.035 min
Response: 2980985
Conc: 19.19 ug/ml

Instrument :
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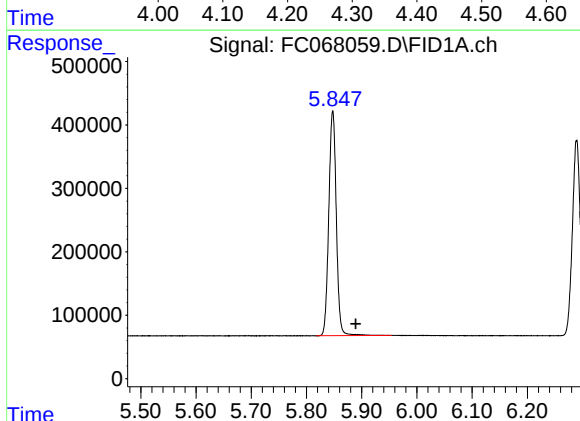
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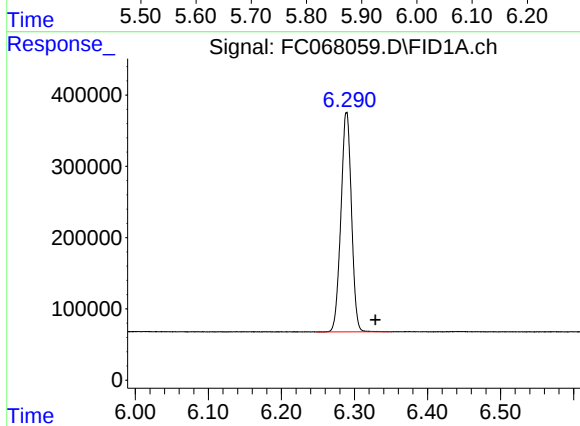
#2 n-Decane (C10)

R.T.: 4.277 min
Delta R.T.: -0.037 min
Response: 3048154
Conc: 19.23 ug/ml



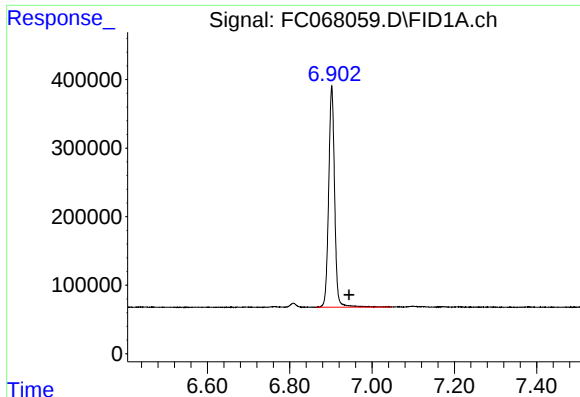
#3 A~Naphthalene (C11.7)

R.T.: 5.848 min
Delta R.T.: -0.042 min
Response: 3354487
Conc: 19.21 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.289 min
Delta R.T.: -0.039 min
Response: 3094133
Conc: 19.22 ug/ml



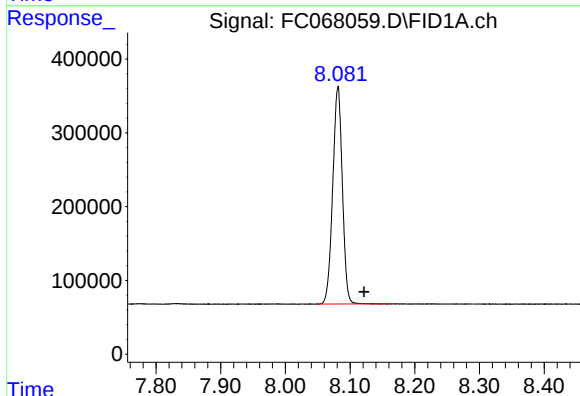
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.902 min
Delta R.T.: -0.042 min
Response: 3237958
Conc: 19.33 ug/ml

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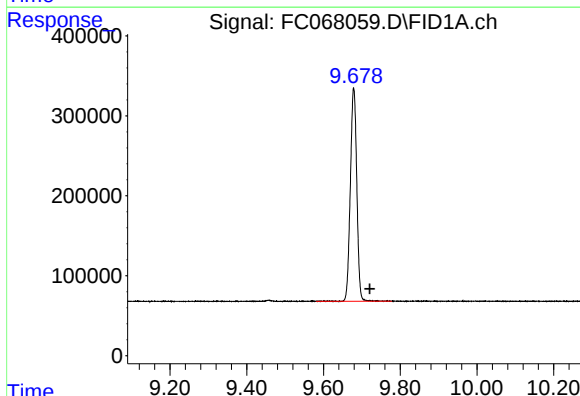
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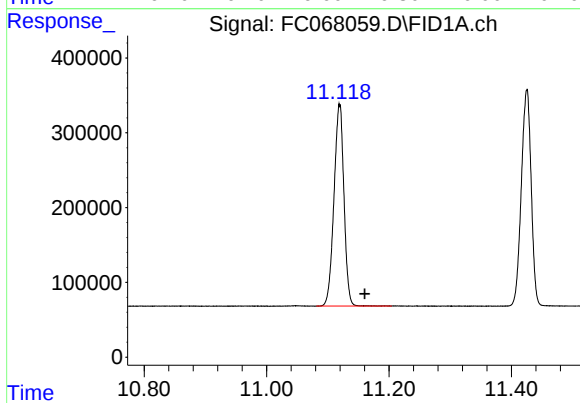
#6 n-Tetradecane (C14)

R.T.: 8.081 min
Delta R.T.: -0.041 min
Response: 3049369
Conc: 19.18 ug/ml



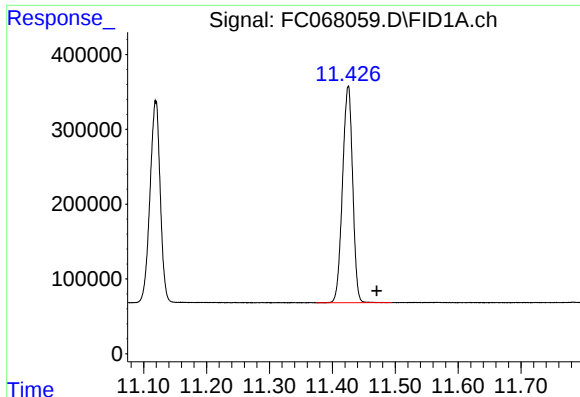
#7 n-Hexadecane (C16)

R.T.: 9.679 min
Delta R.T.: -0.042 min
Response: 3097913
Conc: 19.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.119 min
Delta R.T.: -0.041 min
Response: 3051077
Conc: 19.00 ug/ml



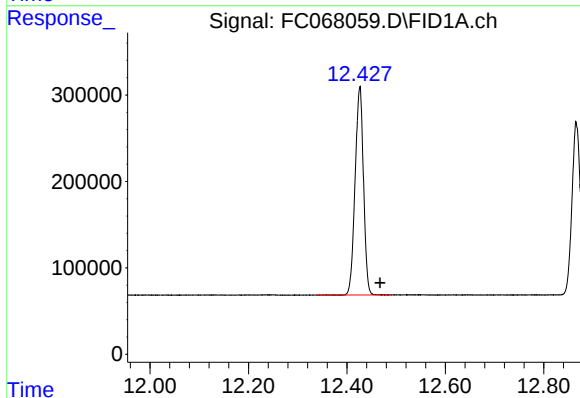
#9 ortho-Terphenyl (SURR)

R.T.: 11.425 min
Delta R.T.: -0.045 min
Response: 3244981
Conc: 18.77 ug/ml

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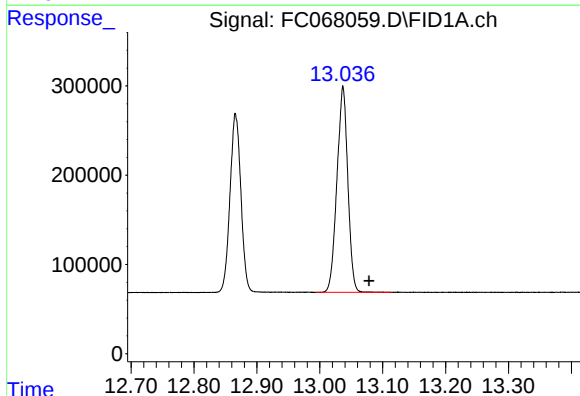
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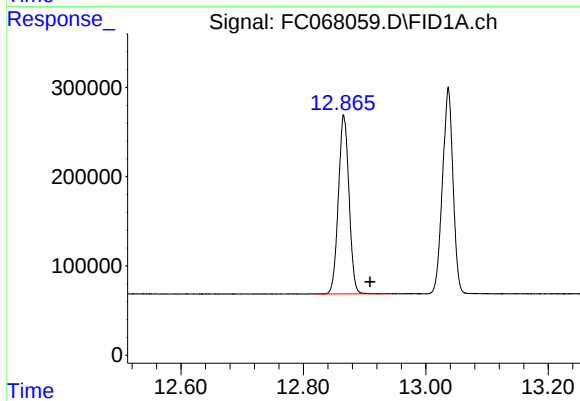
#10 n-Eicosane (C20)

R.T.: 12.426 min
Delta R.T.: -0.041 min
Response: 2851189
Conc: 18.95 ug/ml



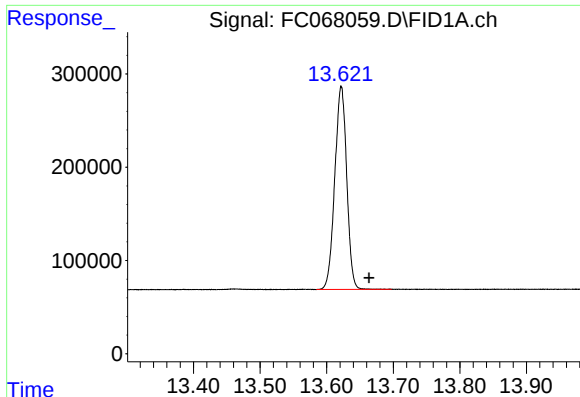
#11 n-Heneicosane (C21)

R.T.: 13.037 min
Delta R.T.: -0.042 min
Response: 2772825
Conc: 18.98 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.866 min
Delta R.T.: -0.043 min
Response: 2410220
Conc: 18.89 ug/ml



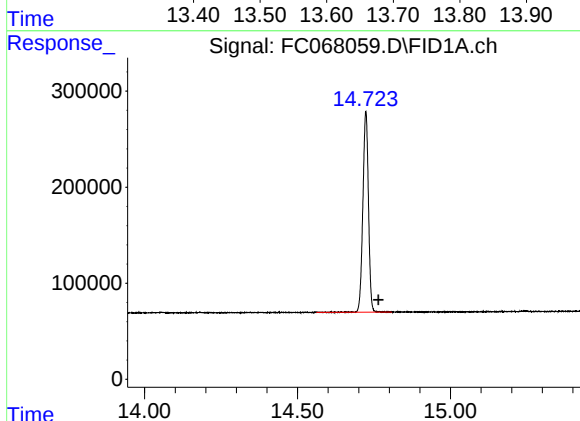
#13 n-Docosane (C22)

R.T.: 13.622 min
Delta R.T.: -0.042 min
Response: 2714646
Conc: 18.96 ug/ml

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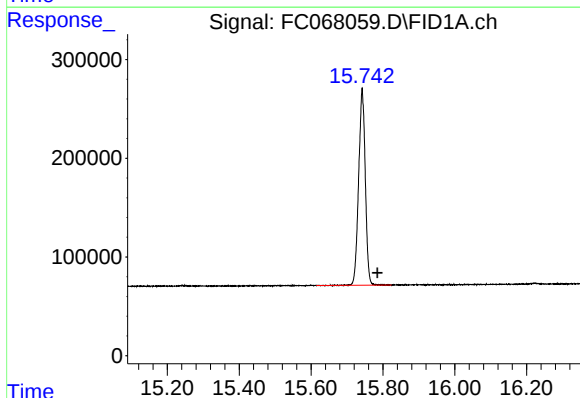
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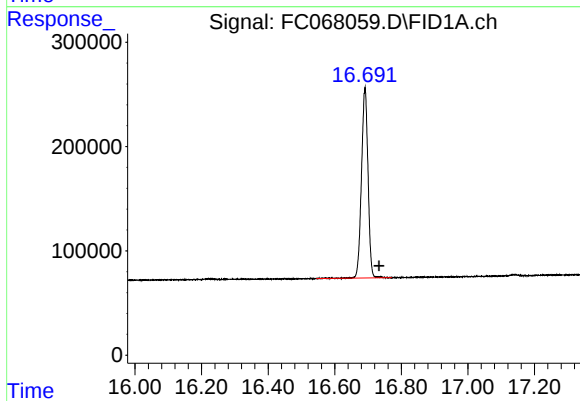
#14 n-Tetracosane (C24)

R.T.: 14.723 min
Delta R.T.: -0.041 min
Response: 2637809
Conc: 18.98 ug/ml



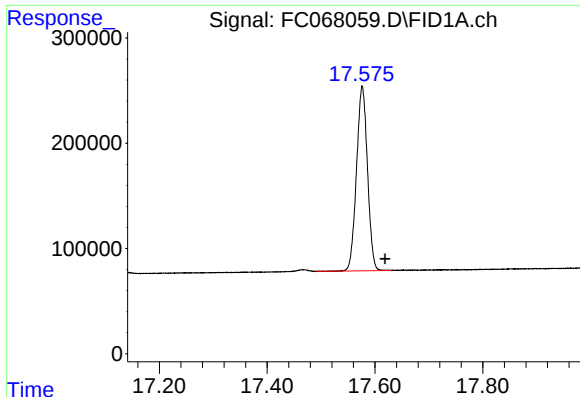
#15 n-Hexacosane (C26)

R.T.: 15.742 min
Delta R.T.: -0.042 min
Response: 2544423
Conc: 19.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.691 min
Delta R.T.: -0.042 min
Response: 2479062
Conc: 19.11 ug/ml



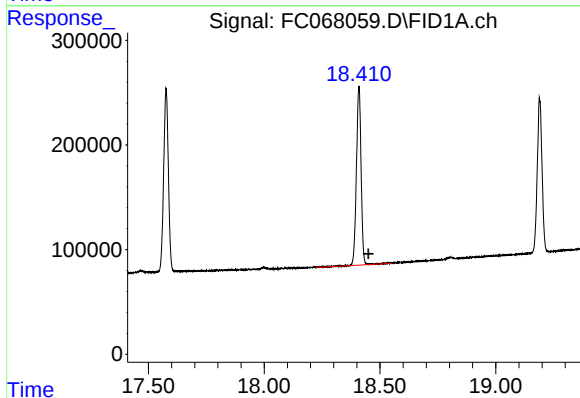
#17 n-Tricontane (C30)

R.T.: 17.576 min
Delta R.T.: -0.042 min
Response: 2473907
Conc: 19.10 ug/ml

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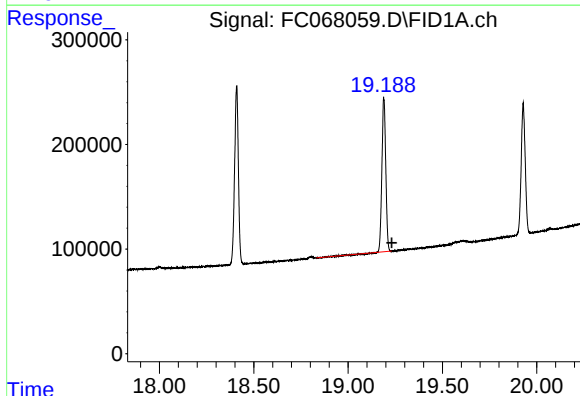
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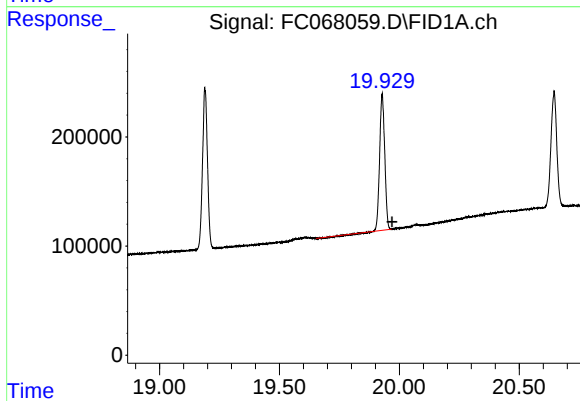
#18 n-Dotriacontane (C32)

R.T.: 18.410 min
Delta R.T.: -0.040 min
Response: 2408670
Conc: 19.44 ug/ml m



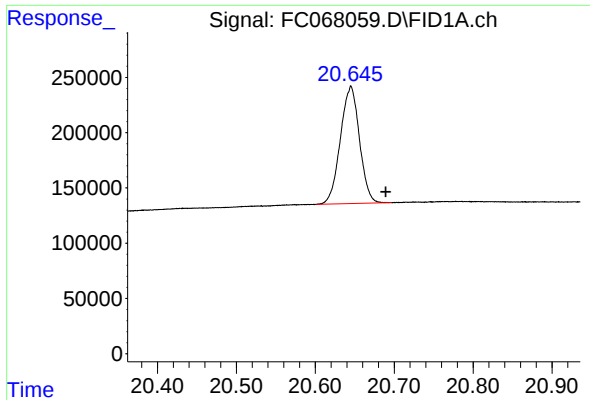
#19 n-Tetratriacontane (C34)

R.T.: 19.190 min
Delta R.T.: -0.043 min
Response: 2064244
Conc: 18.91 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.928 min
Delta R.T.: -0.042 min
Response: 1807028
Conc: 19.10 ug/ml



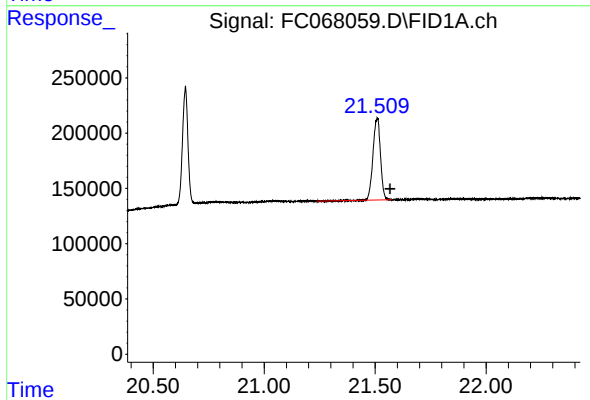
#21 n-Octatriacontane (C38)

R.T.: 20.645 min
Delta R.T.: -0.045 min
Response: 1782781
Conc: 19.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.509 min
Delta R.T.: -0.058 min
Response: 1735356
Conc: 19.69 ug/ml