

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020525AL\
 Data File : FC068192.D
 Signal(s) : FID1A.ch
 Acq On : 05 Feb 2025 12:24
 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 02/06/2025
 Supervised By :Ankita Jodhani 02/06/2025

Integration File: autoint1.e
 Quant Time: Feb 06 04:11:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 04:31:18 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)	11.403	3119950	19.966 ug/ml
Spiked Amount 50.000		Recovery =	39.93%
12) S 1-chlorooctadecane (S...	12.845	2303975	20.034 ug/ml
Spiked Amount 50.000		Recovery =	40.07%
Target Compounds			
1) T n-Nonane (C9)	3.210	2775024	20.265 ug/ml
2) T n-Decane (C10)	4.268	2860338	20.603 ug/ml
3) T A~Naphthalene (C11.7)	5.835	3127355	20.832 ug/ml
4) T n-Dodecane (C12)	6.277	2850838	20.407 ug/ml
5) T A~2-methylnaphthalene...	6.888	2953357	20.562 ug/ml
6) T n-Tetradecane (C14)	8.065	2757764	20.207 ug/ml
7) T n-Hexadecane (C16)	9.661	2790084	20.080 ug/ml
8) T n-Octadecane (C18)	11.098	2796089	19.984 ug/ml
10) T n-Eicosane (C20)	12.403	2679209	20.024 ug/ml
11) T n-Heneicosane (C21)	13.014	2622065	19.964 ug/ml
13) T n-Docosane (C22)	13.599	2622247	20.244 ug/mlm
14) T n-Tetracosane (C24)	14.699	2633919	20.516 ug/mlm
15) T n-Hexacosane (C26)	15.718	2606556	20.714 ug/ml
16) T n-Octacosane (C28)	16.666	2607554	20.848 ug/ml
17) T n-Tricontane (C30)	17.552	2724319	21.077 ug/ml
18) T n-Dotriacontane (C32)	18.382	2644135	21.151 ug/ml
19) T n-Tetratriacontane (C34)	19.164	2287235	21.085 ug/ml
20) T n-Hexatriacontane (C36)	19.903	1946785	21.036 ug/mlm
21) T n-Octatriacontane (C38)	20.614	1819500	21.234 ug/mlm
22) T n-Tetracontane (C40)	21.470	1740059	21.520 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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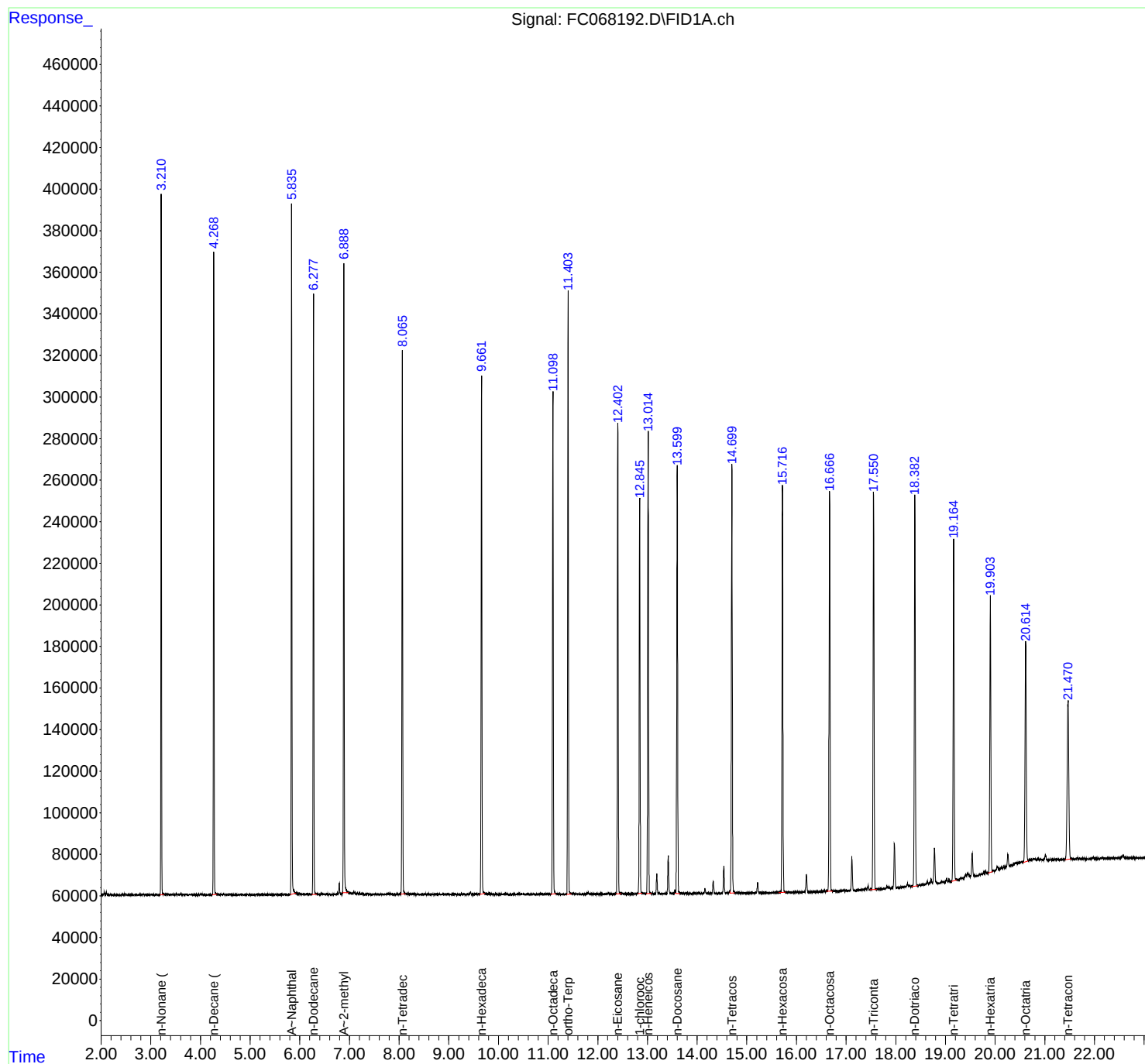
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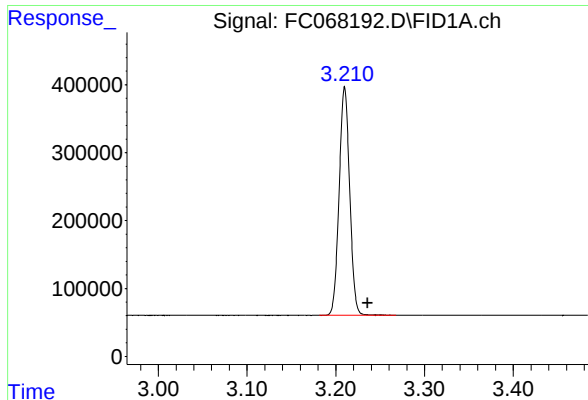
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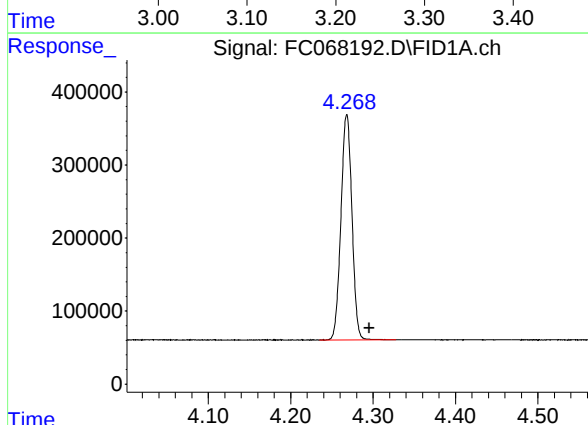
#1 n-Nonane (C9)

R.T.: 3.210 min
Delta R.T.: -0.026 min
Response: 2775024
Conc: 20.27 ug/ml

Instrument :
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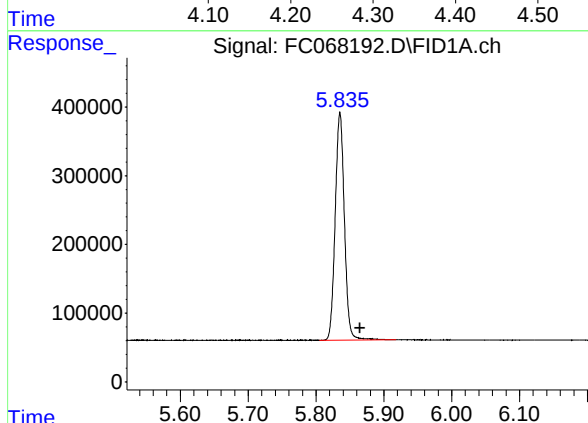
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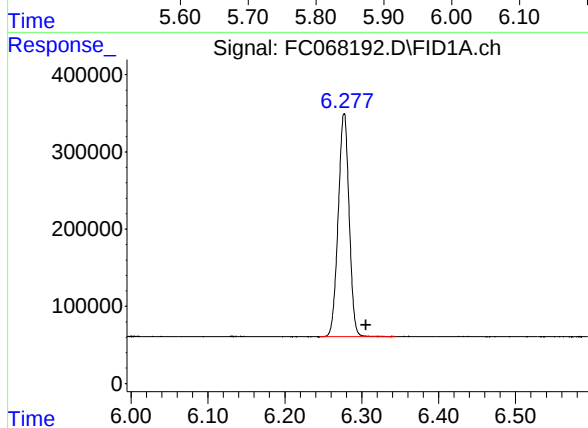
#2 n-Decane (C10)

R.T.: 4.268 min
Delta R.T.: -0.027 min
Response: 2860338
Conc: 20.60 ug/ml



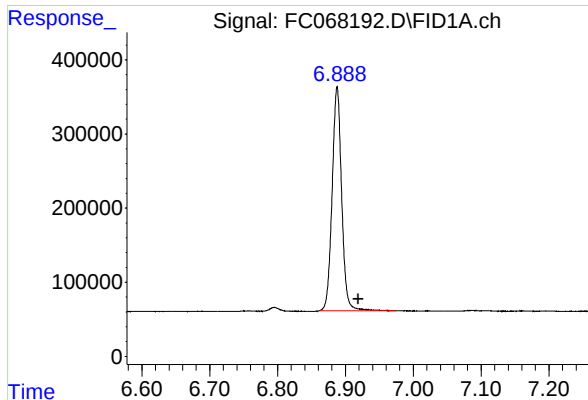
#3 A~Naphthalene (C11.7)

R.T.: 5.835 min
Delta R.T.: -0.030 min
Response: 3127355
Conc: 20.83 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.277 min
Delta R.T.: -0.028 min
Response: 2850838
Conc: 20.41 ug/ml



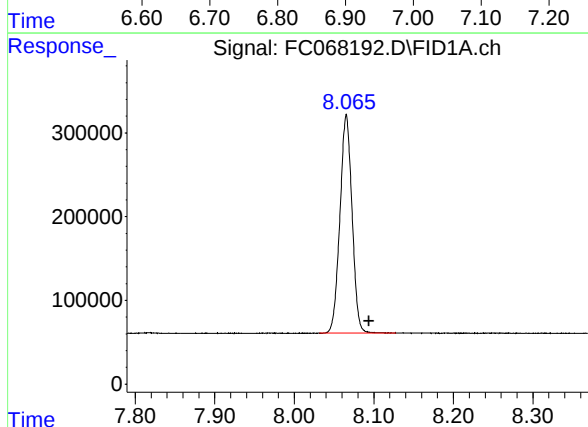
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.888 min
Delta R.T.: -0.032 min
Response: 2953357
Conc: 20.56 ug/ml

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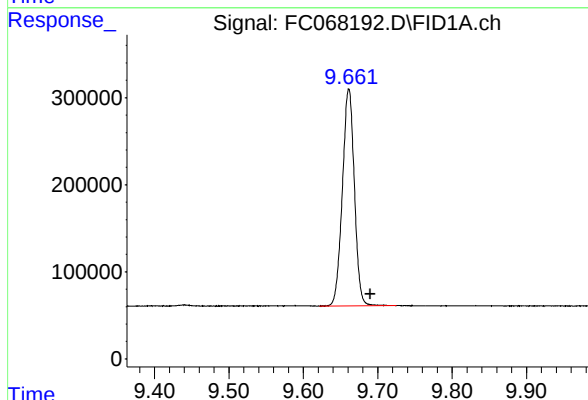
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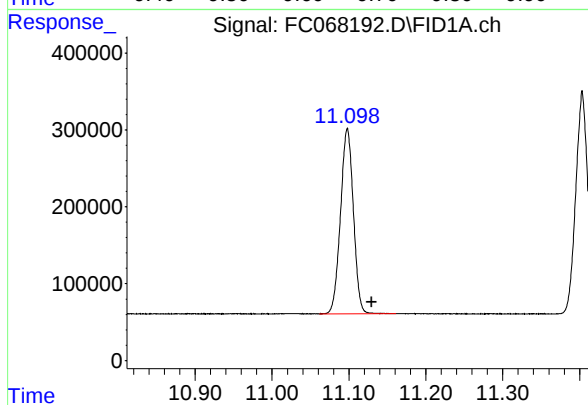
#6 n-Tetradecane (C14)

R.T.: 8.065 min
Delta R.T.: -0.029 min
Response: 2757764
Conc: 20.21 ug/ml



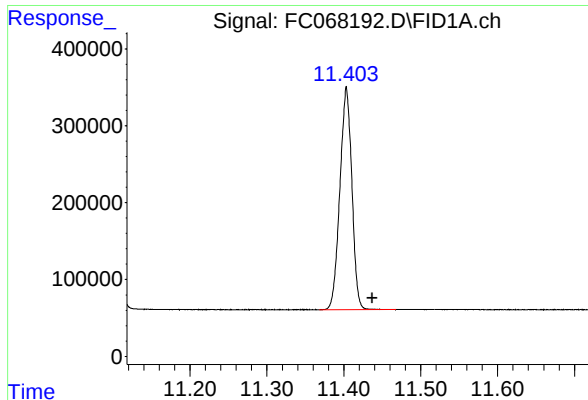
#7 n-Hexadecane (C16)

R.T.: 9.661 min
Delta R.T.: -0.029 min
Response: 2790084
Conc: 20.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.098 min
Delta R.T.: -0.032 min
Response: 2796089
Conc: 19.98 ug/ml



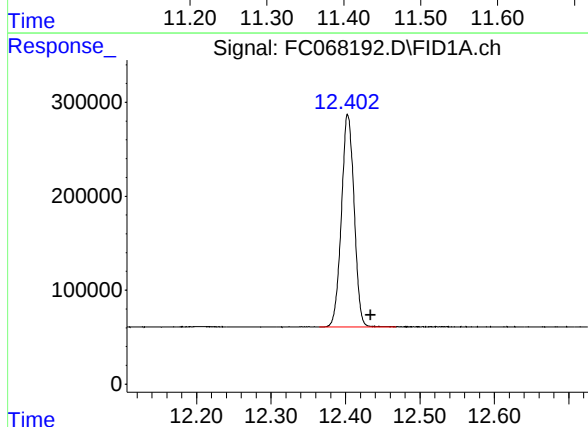
#9 ortho-Terphenyl (SURR)

R.T.: 11.403 min
Delta R.T.: -0.034 min
Response: 3119950
Conc: 19.97 ug/ml

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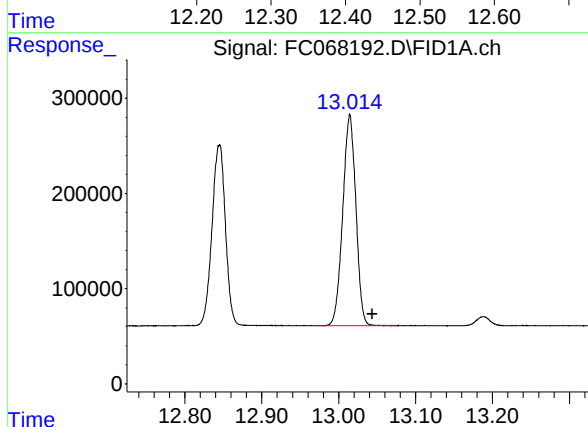
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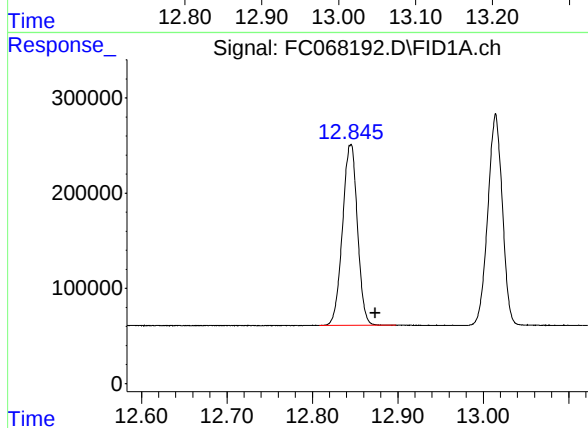
#10 n-Eicosane (C20)

R.T.: 12.403 min
Delta R.T.: -0.030 min
Response: 2679209
Conc: 20.02 ug/ml



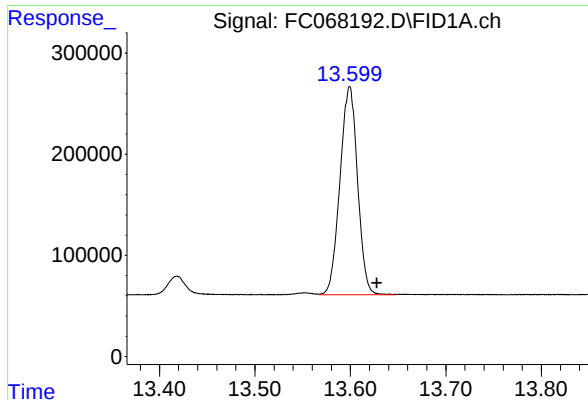
#11 n-Heneicosane (C21)

R.T.: 13.014 min
Delta R.T.: -0.029 min
Response: 2622065
Conc: 19.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.845 min
Delta R.T.: -0.029 min
Response: 2303975
Conc: 20.03 ug/ml



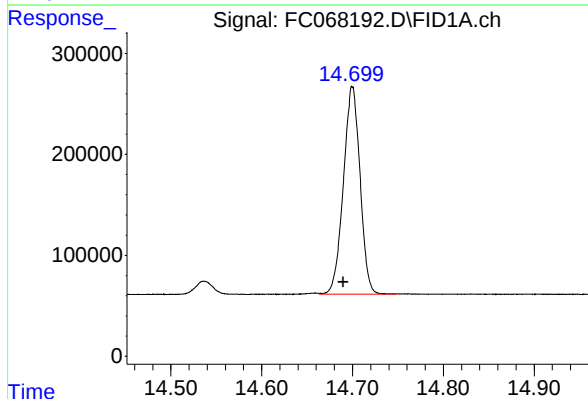
#13 n-Docosane (C22)

R.T.: 13.599 min
Delta R.T.: -0.029 min
Response: 2622247
Conc: 20.24 ug/ml

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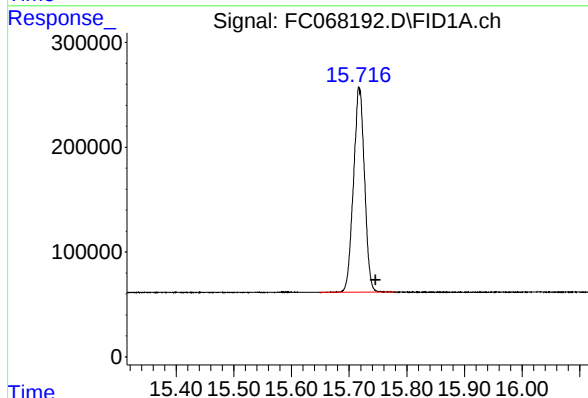
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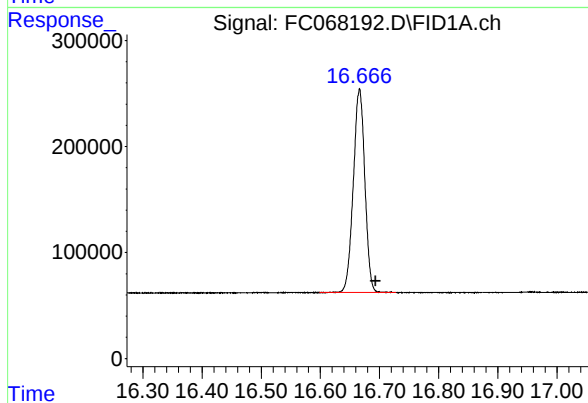
#14 n-Tetracosane (C24)

R.T.: 14.699 min
Delta R.T.: 0.009 min
Response: 2633919
Conc: 20.52 ug/ml



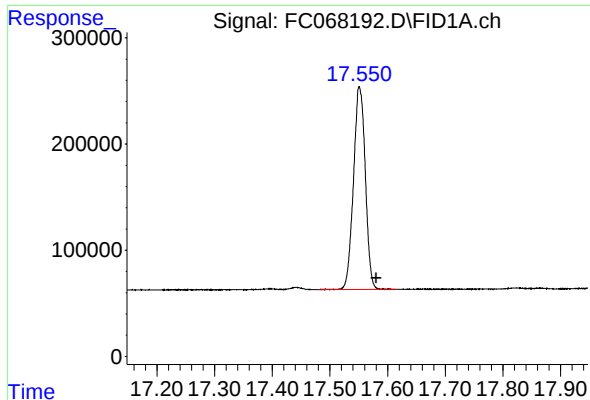
#15 n-Hexacosane (C26)

R.T.: 15.718 min
Delta R.T.: -0.028 min
Response: 2606556
Conc: 20.71 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.666 min
Delta R.T.: -0.028 min
Response: 2607554
Conc: 20.85 ug/ml



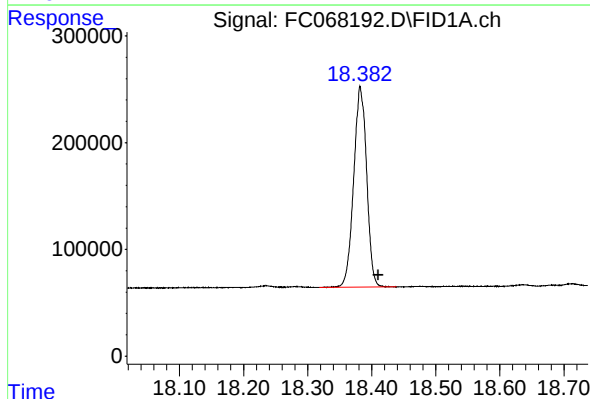
#17 n-Tricontane (C30)

R.T.: 17.552 min
Delta R.T.: -0.029 min
Response: 2724319
Conc: 21.08 ug/ml

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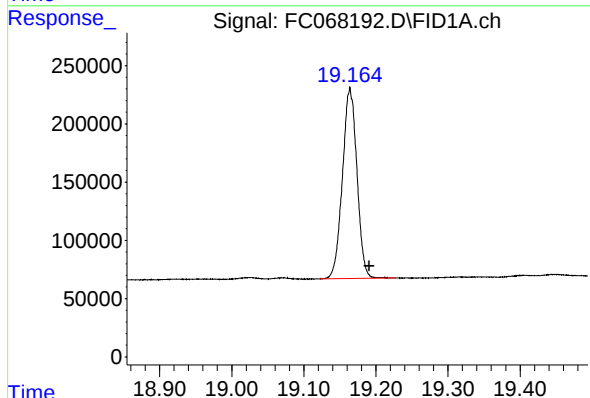
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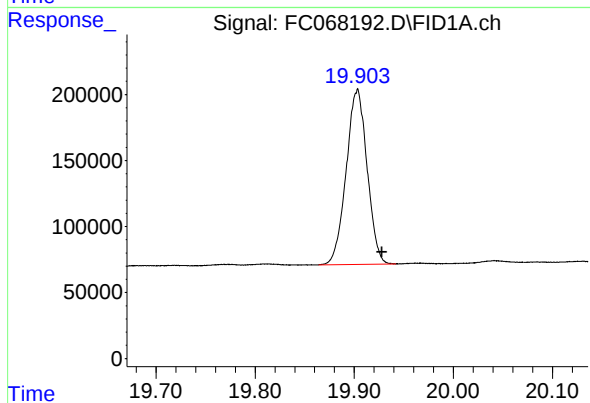
#18 n-Dotriacontane (C32)

R.T.: 18.382 min
Delta R.T.: -0.028 min
Response: 2644135
Conc: 21.15 ug/ml



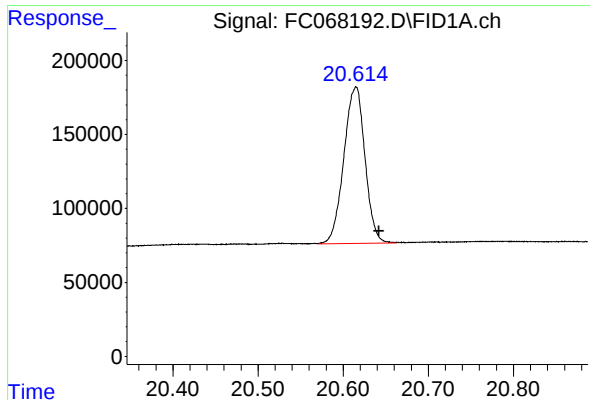
#19 n-Tetratriacontane (C34)

R.T.: 19.164 min
Delta R.T.: -0.027 min
Response: 2287235
Conc: 21.09 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.903 min
Delta R.T.: -0.025 min
Response: 1946785
Conc: 21.04 ug/ml m



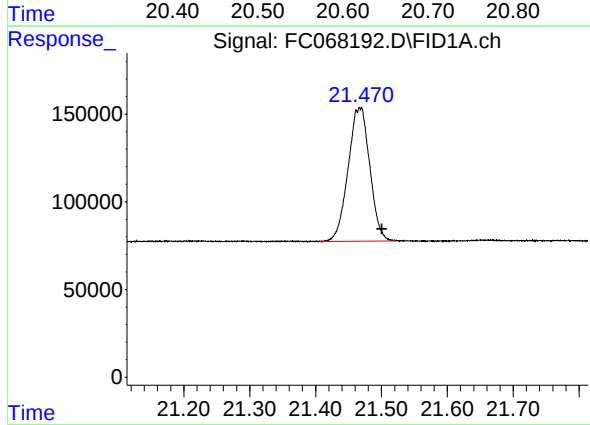
#21 n-Octatriacontane (C38)

R.T.: 20.614 min
Delta R.T.: -0.028 min
Response: 1819500
Conc: 21.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.470 min
Delta R.T.: -0.032 min
Response: 1740059
Conc: 21.52 ug/ml m