

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102524AL\
 Data File : FC067525.D
 Signal(s) : FID1A.ch
 Acq On : 25 Oct 2024 13:29
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/28/2024
 Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
 Quant Time: Oct 26 00:47:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 18:12:58 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)	11.494	2907727	19.817 ug/ml
Spiked Amount 50.000		Recovery =	39.63%
12) S 1-chlorooctadecane (S...	12.933	2140856	19.825 ug/ml
Spiked Amount 50.000		Recovery =	39.65%
Target Compounds			
1) T n-Nonane (C9)	3.273	2673625	19.846 ug/ml
2) T n-Decane (C10)	4.338	2715987	19.934 ug/ml
3) T A~Naphthalene (C11.7)	5.915	2955527	19.944 ug/ml
4) T n-Dodecane (C12)	6.353	2709849	20.007 ug/ml
5) T A~2-methylnaphthalene...	6.970	2823696	19.995 ug/ml
6) T n-Tetradecane (C14)	8.145	2627720	20.019 ug/ml
7) T n-Hexadecane (C16)	9.743	2655782	20.104 ug/ml
8) T n-Octadecane (C18)	11.182	2657825	20.118 ug/ml
10) T n-Eicosane (C20)	12.491	2522995	19.996 ug/ml
11) T n-Heneicosane (C21)	13.101	2465019	19.973 ug/ml
13) T n-Docosane (C22)	13.687	2445466	19.971 ug/ml
14) T n-Tetracosane (C24)	14.788	2426515	20.019 ug/ml
15) T n-Hexacosane (C26)	15.807	2386104	20.042 ug/ml
16) T n-Octacosane (C28)	16.756	2384313	20.267 ug/ml
17) T n-Tricontane (C30)	17.642	2492523	20.621 ug/ml
18) T n-Dotriacontane (C32)	18.473	2475137	20.919 ug/ml
19) T n-Tetratriacontane (C34)	19.255	2184252	20.857 ug/ml
20) T n-Hexatriacontane (C36)	19.994	1875220	20.601 ug/ml
21) T n-Octatriacontane (C38)	20.717	1759701	20.319 ug/mlm
22) T n-Tetracontane (C40)	21.602	1712807	20.148 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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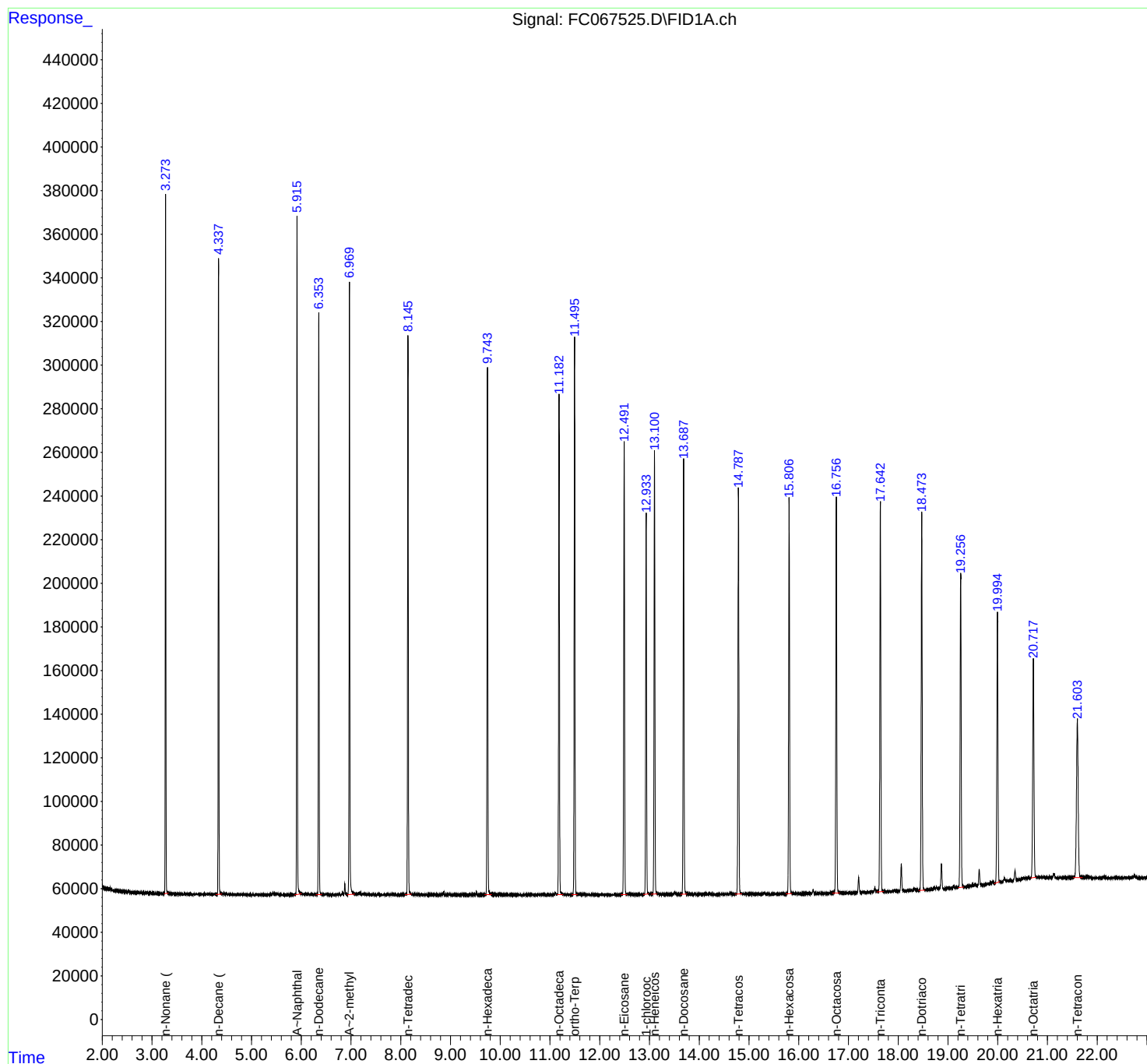
Instrument :
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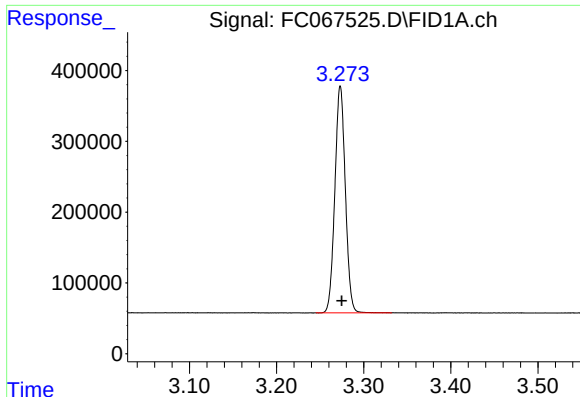
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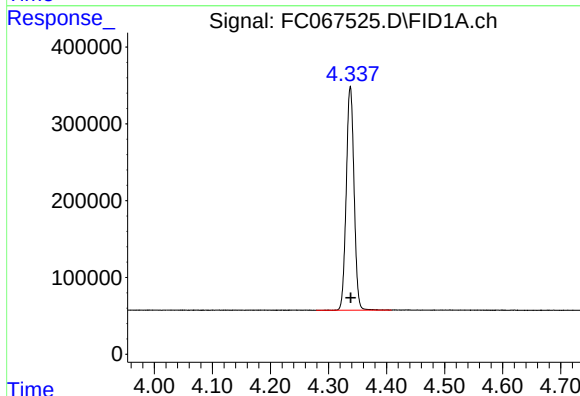
#1 n-Nonane (C9)

R.T.: 3.273 min
Delta R.T.: -0.002 min
Response: 2673625
Conc: 19.85 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

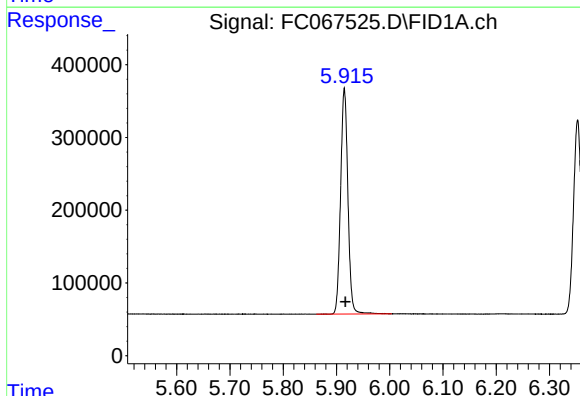
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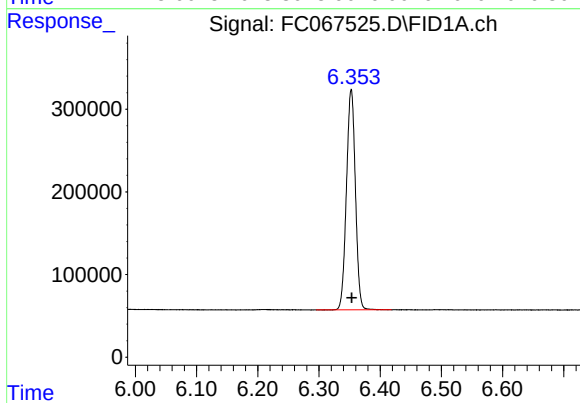
#2 n-Decane (C10)

R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 2715987
Conc: 19.93 ug/ml



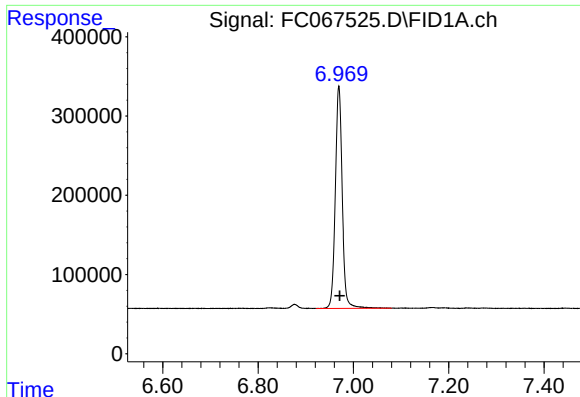
#3 A~Naphthalene (C11.7)

R.T.: 5.915 min
Delta R.T.: -0.002 min
Response: 2955527
Conc: 19.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.353 min
Delta R.T.: -0.001 min
Response: 2709849
Conc: 20.01 ug/ml



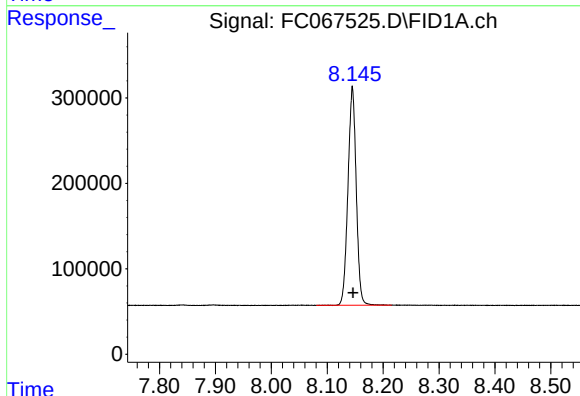
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.970 min
Delta R.T.: -0.002 min
Response: 2823696
Conc: 19.99 ug/ml

Instrument :
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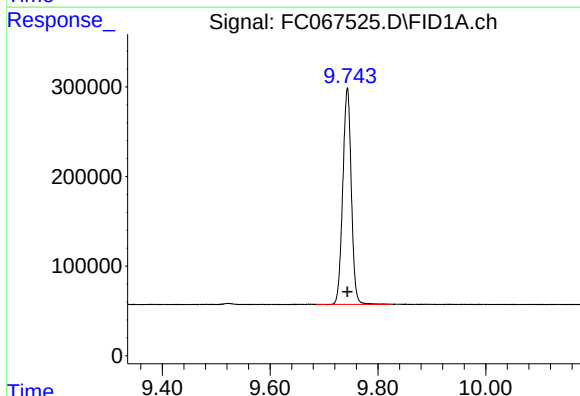
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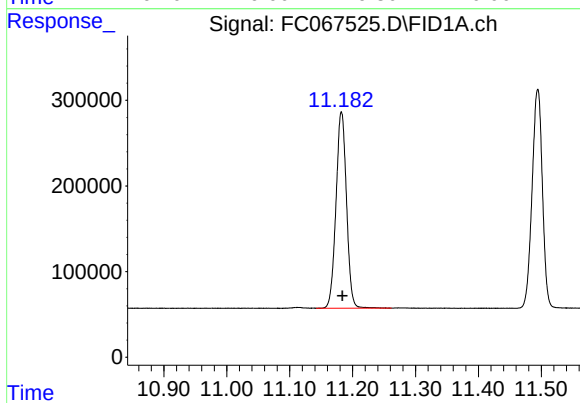
#6 n-Tetradecane (C14)

R.T.: 8.145 min
Delta R.T.: 0.000 min
Response: 2627720
Conc: 20.02 ug/ml



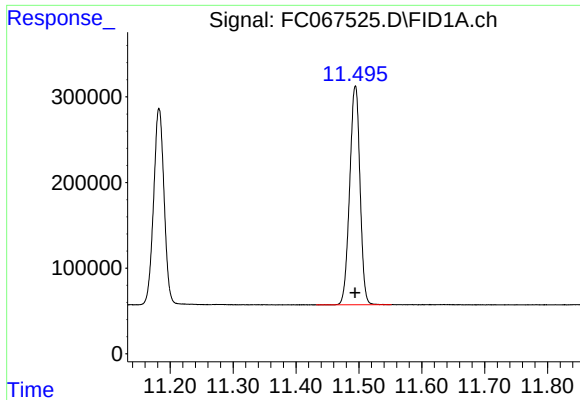
#7 n-Hexadecane (C16)

R.T.: 9.743 min
Delta R.T.: 0.000 min
Response: 2655782
Conc: 20.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.182 min
Delta R.T.: -0.001 min
Response: 2657825
Conc: 20.12 ug/ml



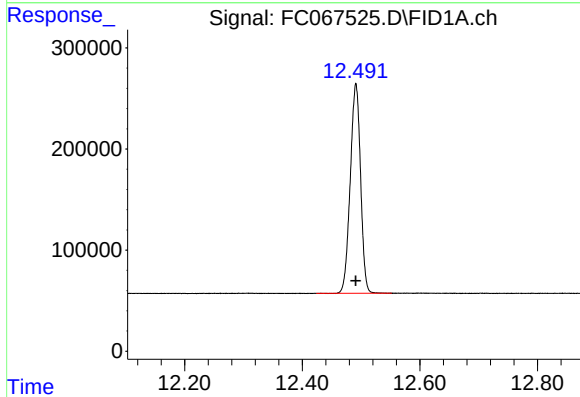
#9 ortho-Terphenyl (SURR)

R.T.: 11.494 min
Delta R.T.: 0.000 min
Response: 2907727
Conc: 19.82 ug/ml

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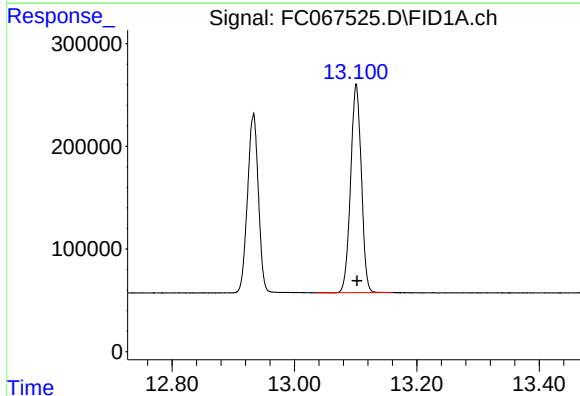
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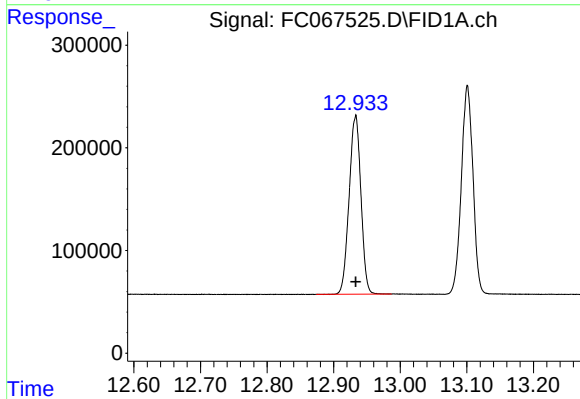
#10 n-Eicosane (C20)

R.T.: 12.491 min
Delta R.T.: 0.000 min
Response: 2522995
Conc: 20.00 ug/ml



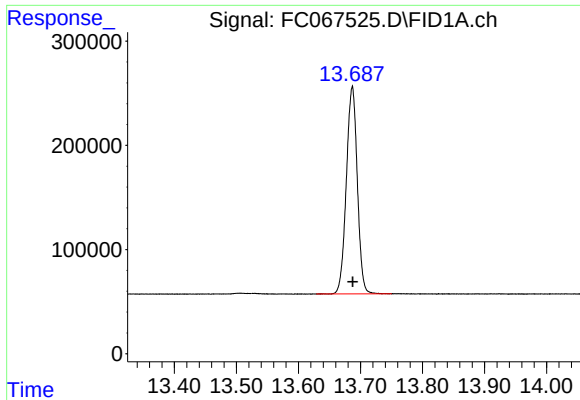
#11 n-Heneicosane (C21)

R.T.: 13.101 min
Delta R.T.: -0.001 min
Response: 2465019
Conc: 19.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.933 min
Delta R.T.: 0.000 min
Response: 2140856
Conc: 19.82 ug/ml



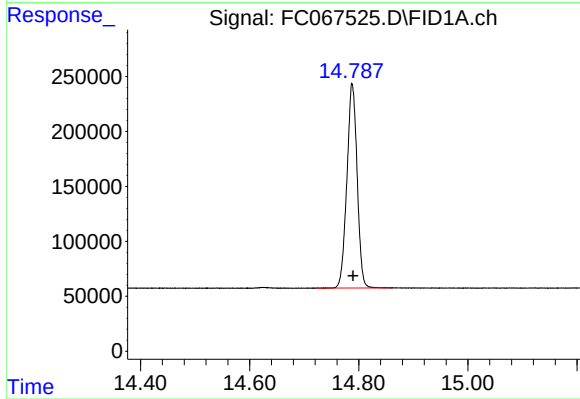
#13 n-Docosane (C22)

R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 2445466
Conc: 19.97 ug/ml

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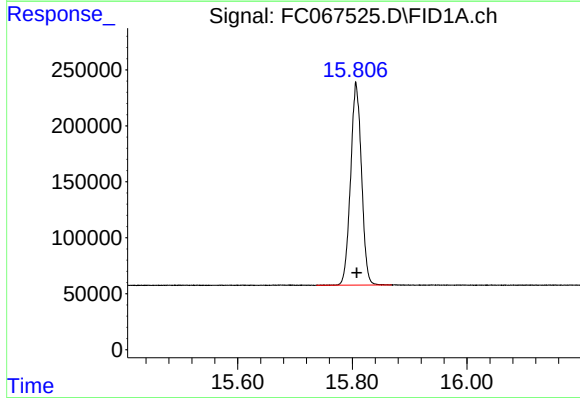
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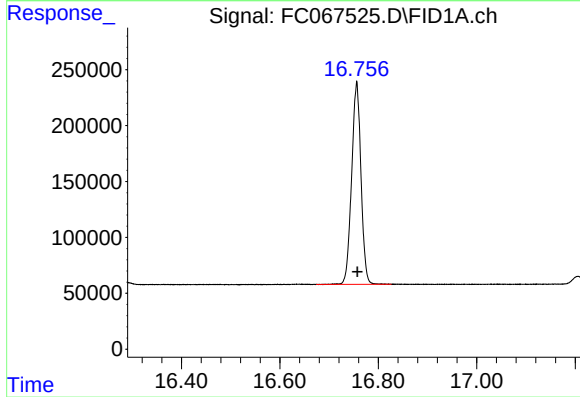
#14 n-Tetracosane (C24)

R.T.: 14.788 min
Delta R.T.: -0.001 min
Response: 2426515
Conc: 20.02 ug/ml



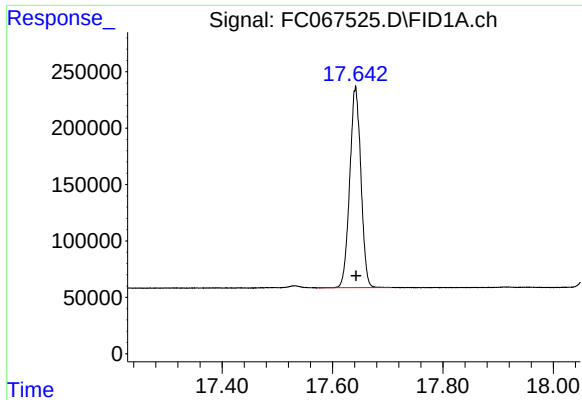
#15 n-Hexacosane (C26)

R.T.: 15.807 min
Delta R.T.: 0.000 min
Response: 2386104
Conc: 20.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.756 min
Delta R.T.: -0.002 min
Response: 2384313
Conc: 20.27 ug/ml



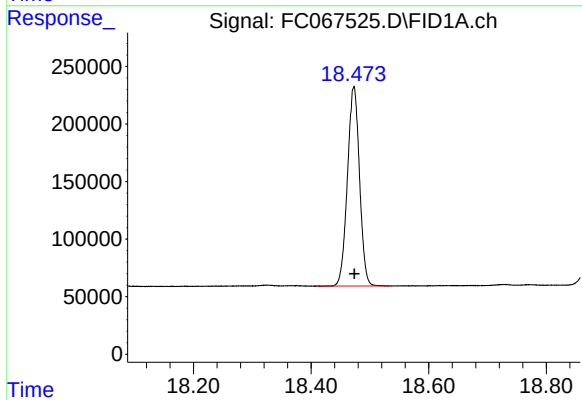
#17 n-Tricontane (C30)

R.T.: 17.642 min
Delta R.T.: 0.000 min
Response: 2492523
Conc: 20.62 ug/ml

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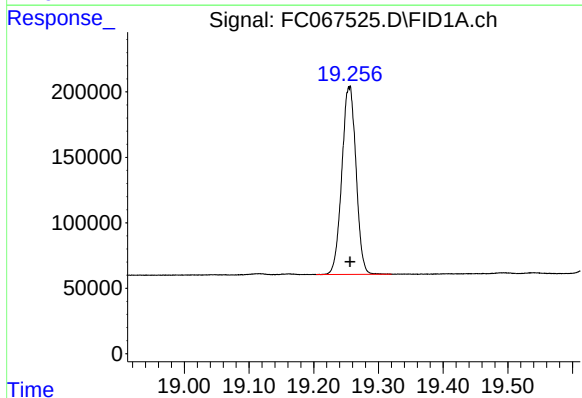
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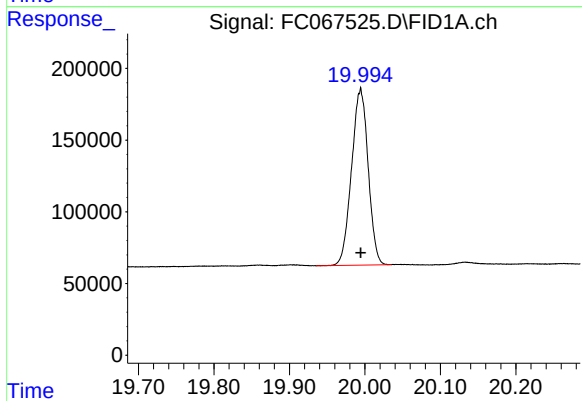
#18 n-Dotriacontane (C32)

R.T.: 18.473 min
Delta R.T.: -0.001 min
Response: 2475137
Conc: 20.92 ug/ml



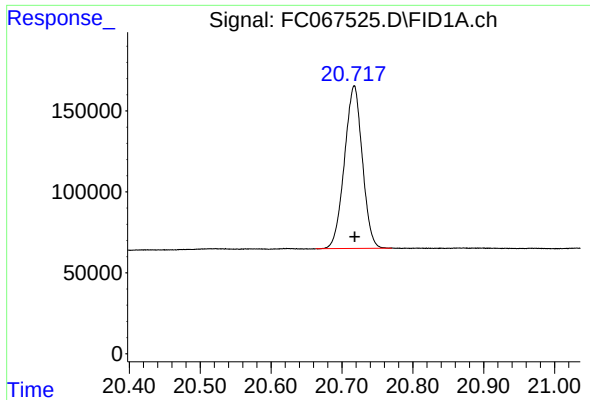
#19 n-Tetratriacontane (C34)

R.T.: 19.255 min
Delta R.T.: -0.001 min
Response: 2184252
Conc: 20.86 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.994 min
Delta R.T.: 0.000 min
Response: 1875220
Conc: 20.60 ug/ml



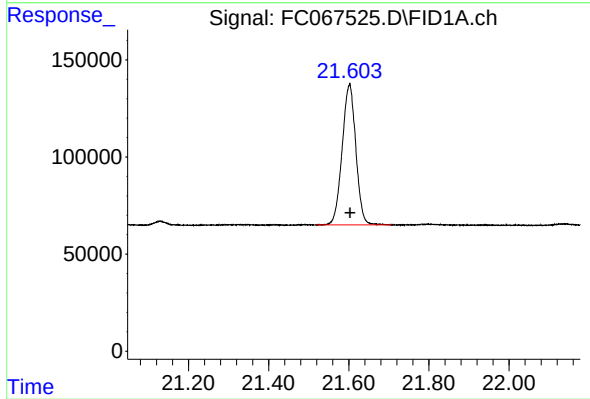
#21 n-Octatriacontane (C38)

R.T.: 20.717 min
Delta R.T.: -0.001 min
Response: 1759701
Conc: 20.32 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.602 min
Delta R.T.: -0.002 min
Response: 1712807
Conc: 20.15 ug/ml