

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC073024AL\
 Data File : FC066847.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jul 2024 22:30
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/31/2024
 Supervised By :Ankita Jodhani 07/31/2024

Integration File: autoint1.e
 Quant Time: Jul 31 04:03:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 13:58:41 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)	11.521	2537917	16.485 ug/ml
Spiked Amount 50.000		Recovery =	32.97%
12) S 1-chlorooctadecane (S...	12.961	1911520	17.095 ug/ml
Spiked Amount 50.000		Recovery =	34.19%
Target Compounds			
1) T n-Nonane (C9)	3.285	2237801	15.771 ug/ml
2) T n-Decane (C10)	4.352	2382793	16.119 ug/ml
3) T A~Naphthalene (C11.7)	5.934	2538748	15.897 ug/ml
4) T n-Dodecane (C12)	6.372	2394494	15.972 ug/ml
5) T A~2-methylnaphthalene...	6.991	2434627	15.881 ug/ml
6) T n-Tetradecane (C14)	8.167	2372763	16.217 ug/ml
7) T n-Hexadecane (C16)	9.767	2467461	16.486 ug/ml
8) T n-Octadecane (C18)	11.209	2464074	16.605 ug/ml
10) T n-Eicosane (C20)	12.517	2334734	16.750 ug/ml
11) T n-Heneicosane (C21)	13.129	2272513	16.684 ug/ml
13) T n-Docosane (C22)	13.716	2265862	16.869 ug/ml
14) T n-Tetracosane (C24)	14.818	2273969	17.096 ug/ml
15) T n-Hexacosane (C26)	15.839	2258118	17.355 ug/ml
16) T n-Octacosane (C28)	16.787	2374804	18.825 ug/mlm
17) T n-Tricontane (C30)	17.675	2712186	21.091 ug/ml
18) T n-Dotriacontane (C32)	18.508	2797109	22.218 ug/ml
19) T n-Tetratriacontane (C34)	19.291	2536737	20.505 ug/mlm
20) T n-Hexatriacontane (C36)	20.030	2327451	20.008 ug/ml
21) T n-Octatriacontane (C38)	20.760	2157075	19.414 ug/ml
22) T n-Tetracontane (C40)	21.657	1958340	18.014 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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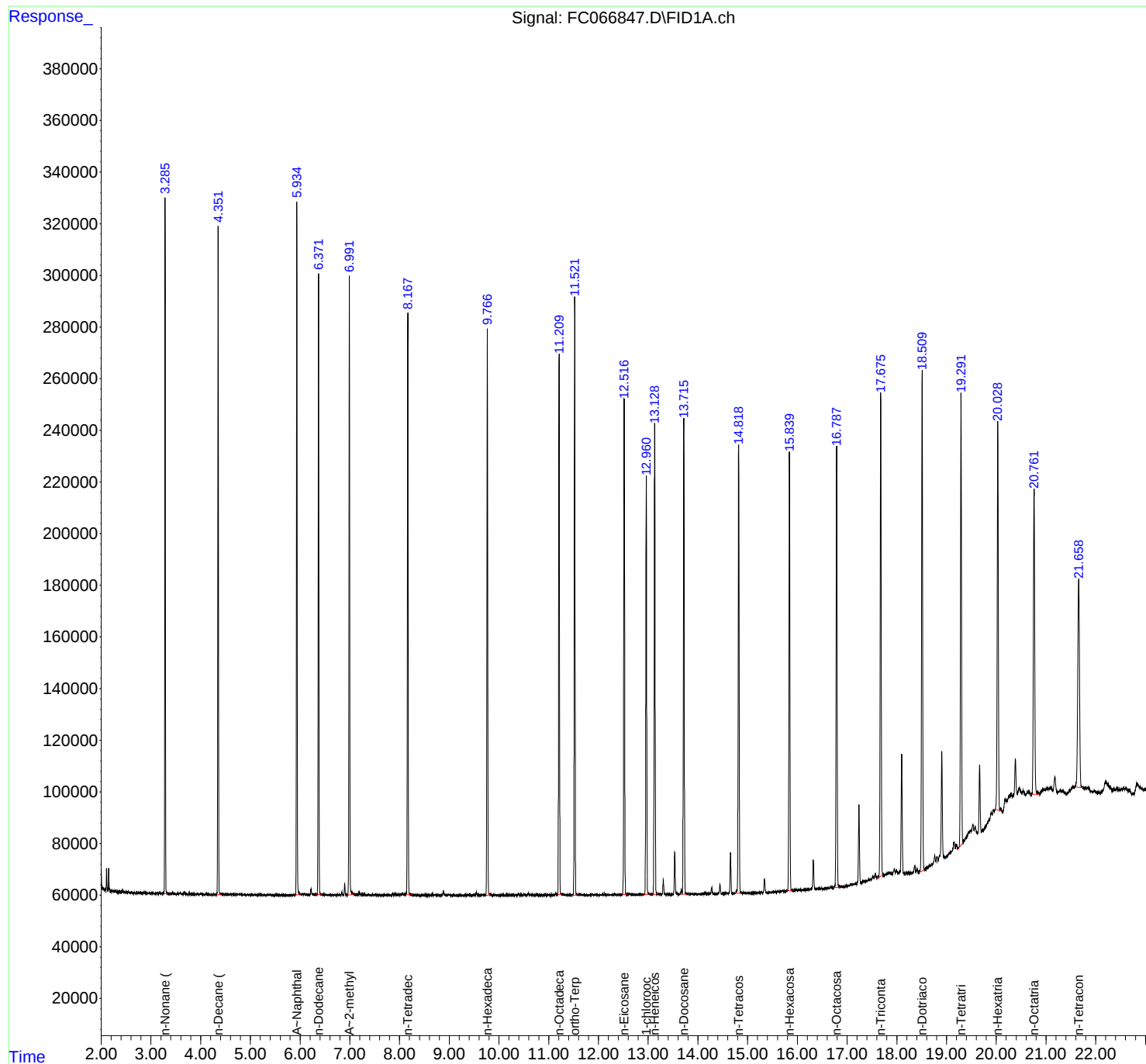
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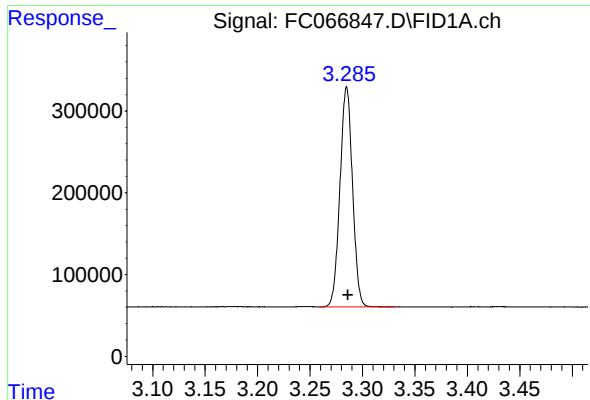
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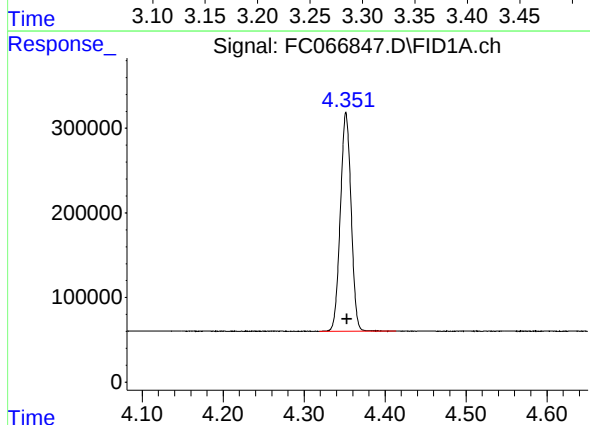
#1 n-Nonane (C9)

R.T.: 3.285 min
Delta R.T.: -0.001 min
Response: 2237801
Conc: 15.77 ug/ml

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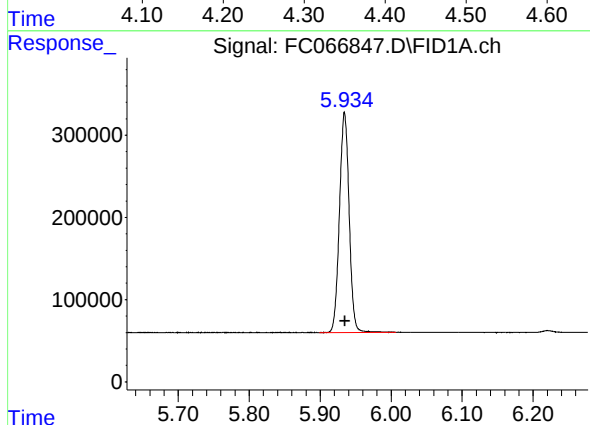
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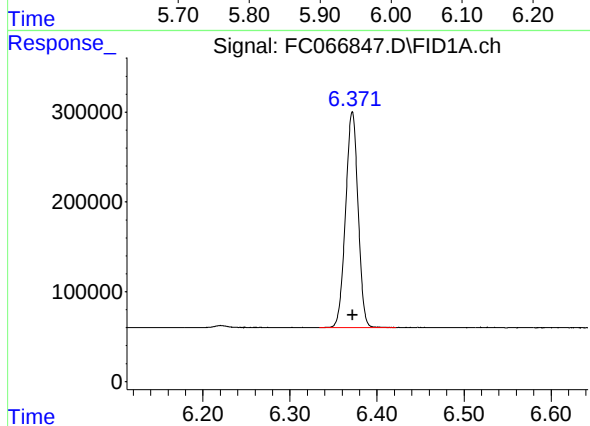
#2 n-Decane (C10)

R.T.: 4.352 min
Delta R.T.: -0.001 min
Response: 2382793
Conc: 16.12 ug/ml



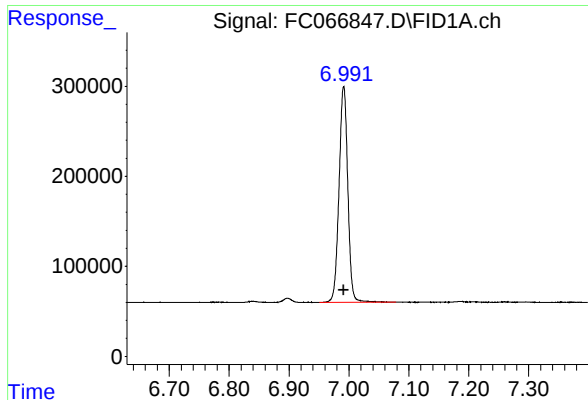
#3 n-Undecane (C11)

R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 2538748
Conc: 15.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.372 min
Delta R.T.: 0.000 min
Response: 2394494
Conc: 15.97 ug/ml



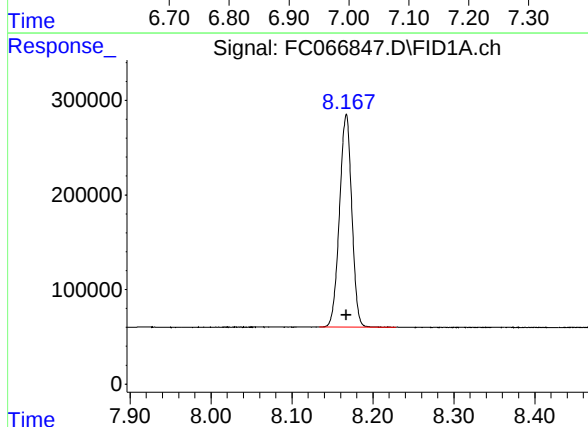
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 2434627
Conc: 15.88 ug/ml

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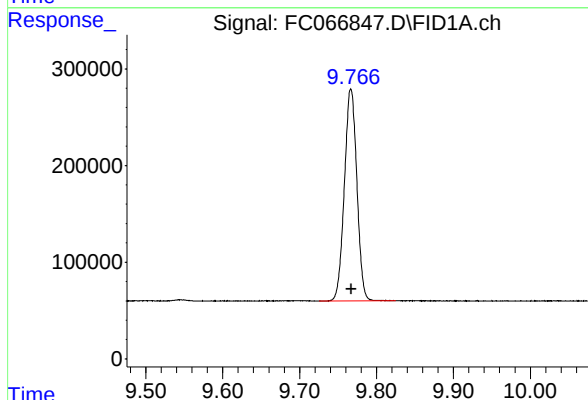
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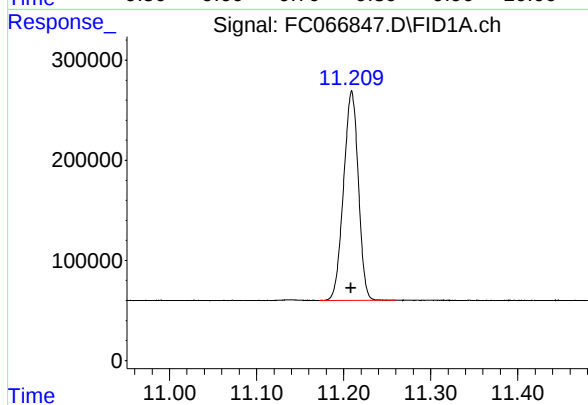
#6 n-Tetradecane (C14)

R.T.: 8.167 min
Delta R.T.: 0.000 min
Response: 2372763
Conc: 16.22 ug/ml



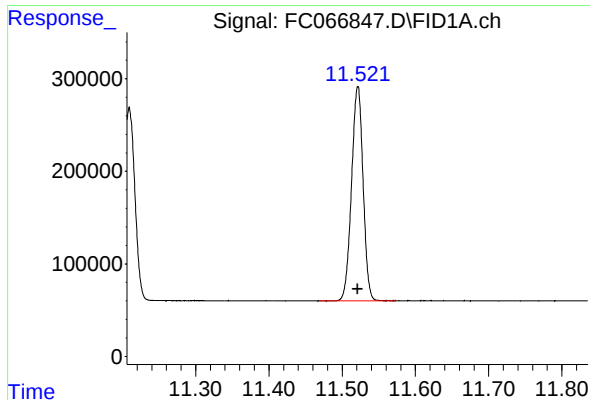
#7 n-Hexadecane (C16)

R.T.: 9.767 min
Delta R.T.: 0.000 min
Response: 2467461
Conc: 16.49 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.209 min
Delta R.T.: 0.000 min
Response: 2464074
Conc: 16.60 ug/ml



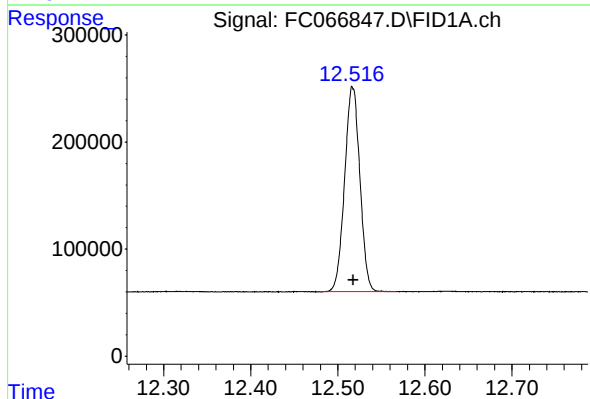
#9 ortho-Terphenyl (SURR)

R.T.: 11.521 min
Delta R.T.: 0.000 min
Response: 2537917
Conc: 16.49 ug/ml

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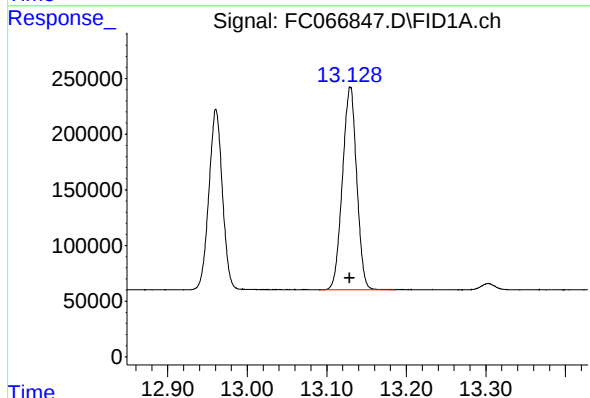
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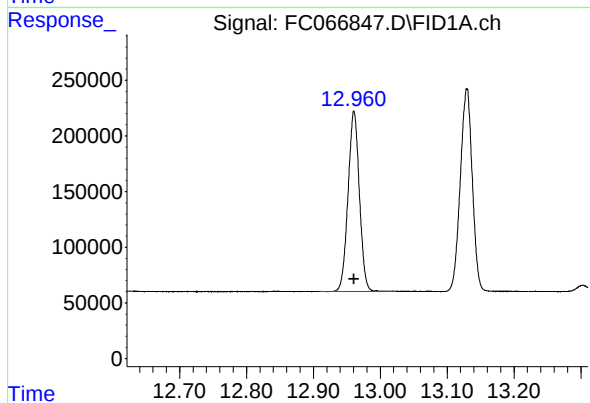
#10 n-Eicosane (C20)

R.T.: 12.517 min
Delta R.T.: 0.000 min
Response: 2334734
Conc: 16.75 ug/ml



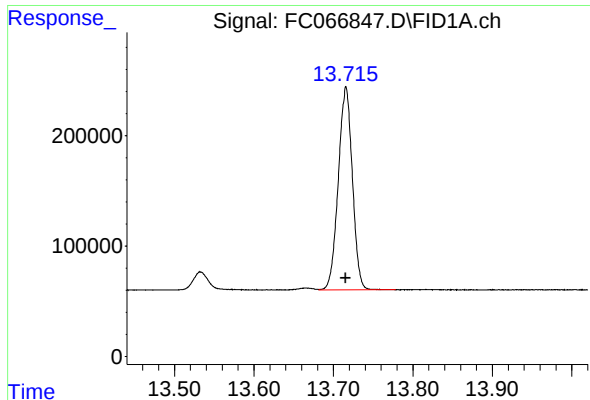
#11 n-Heneicosane (C21)

R.T.: 13.129 min
Delta R.T.: 0.000 min
Response: 2272513
Conc: 16.68 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.961 min
Delta R.T.: 0.000 min
Response: 1911520
Conc: 17.10 ug/ml



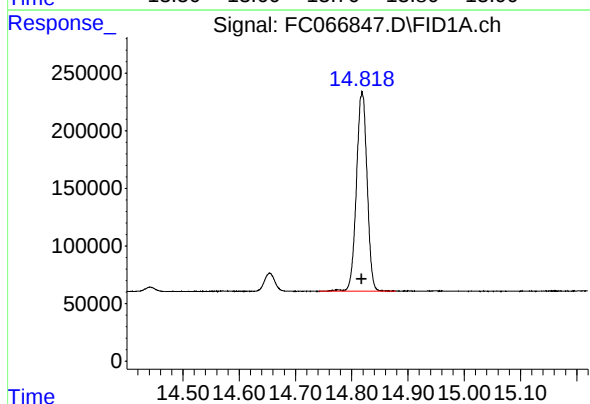
#13 n-Docosane (C22)

R.T.: 13.716 min
Delta R.T.: 0.000 min
Response: 2265862
Conc: 16.87 ug/ml

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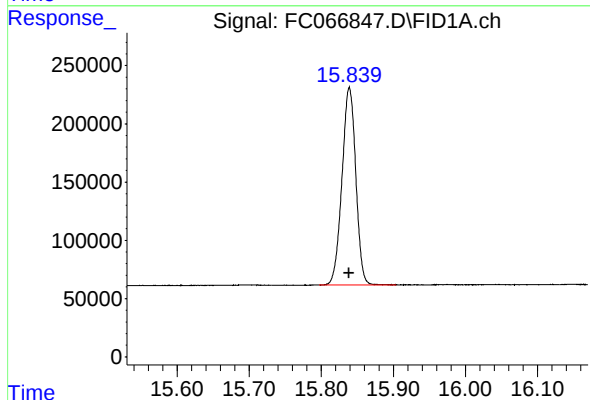
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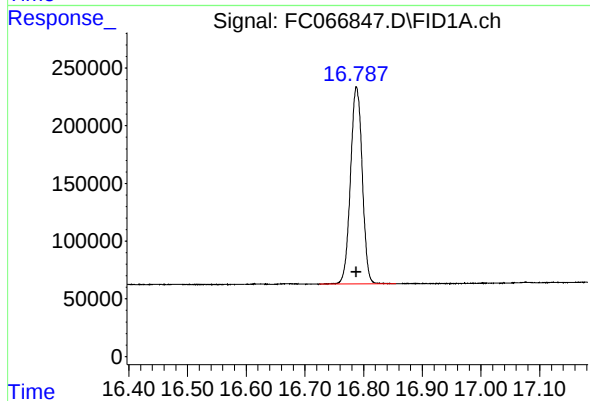
#14 n-Tetracosane (C24)

R.T.: 14.818 min
Delta R.T.: 0.000 min
Response: 2273969
Conc: 17.10 ug/ml



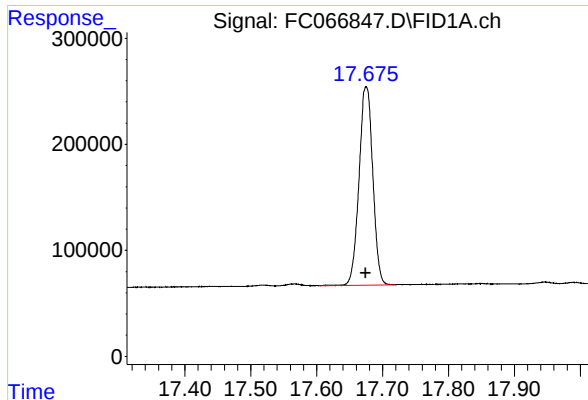
#15 n-Hexacosane (C26)

R.T.: 15.839 min
Delta R.T.: 0.000 min
Response: 2258118
Conc: 17.35 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.787 min
Delta R.T.: 0.000 min
Response: 2374804
Conc: 18.82 ug/ml m



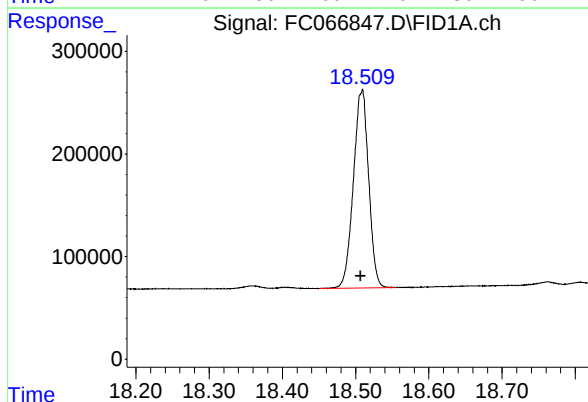
#17 n-Tricontane (C30)

R.T.: 17.675 min
Delta R.T.: 0.000 min
Response: 2712186
Conc: 21.09 ug/ml

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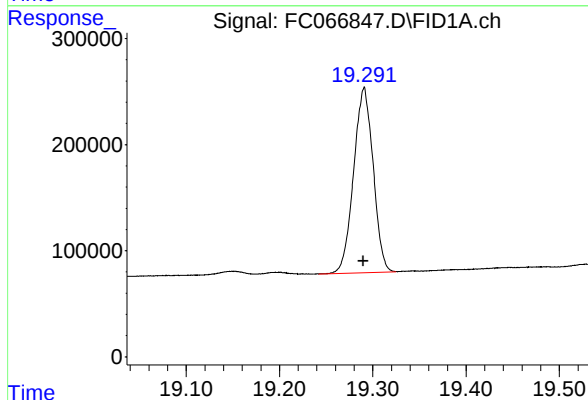
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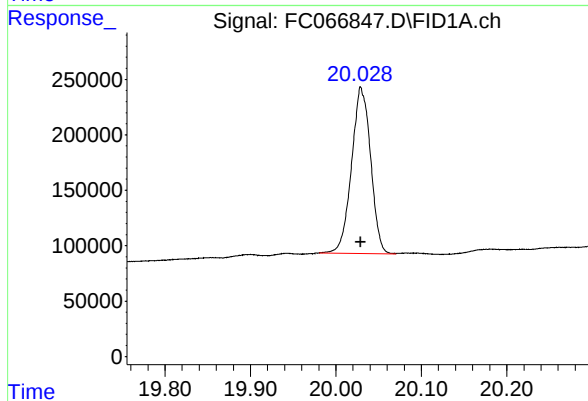
#18 n-Dotriacontane (C32)

R.T.: 18.508 min
Delta R.T.: 0.001 min
Response: 2797109
Conc: 22.22 ug/ml



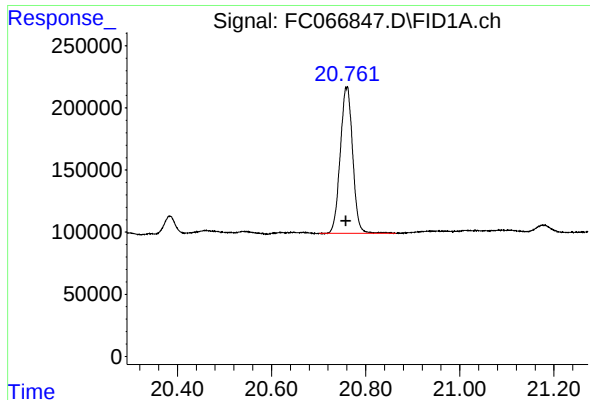
#19 n-Tetatriacontane (C34)

R.T.: 19.291 min
Delta R.T.: 0.001 min
Response: 2536737
Conc: 20.50 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.030 min
Delta R.T.: 0.000 min
Response: 2327451
Conc: 20.01 ug/ml



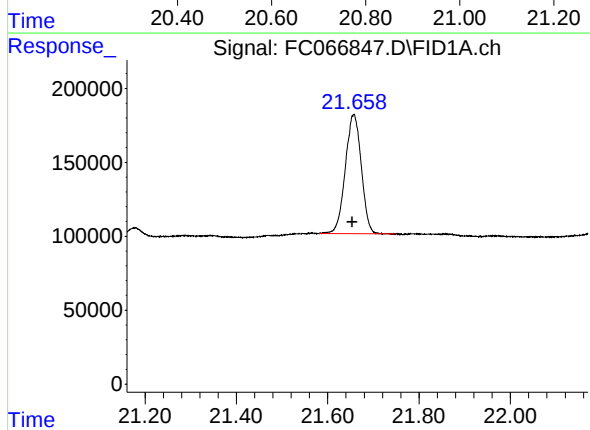
#21 n-Octatriacontane (C38)

R.T.: 20.760 min
Delta R.T.: 0.001 min
Response: 2157075
Conc: 19.41 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.657 min
Delta R.T.: 0.003 min
Response: 1958340
Conc: 18.01 ug/ml