

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091224AL\
 Data File : FC067115.D
 Signal(s) : FID1A.ch
 Acq On : 11 Sep 2024 09:16
 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

Integration File: sample.E
 Quant Time: Sep 11 11:02:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 02:55:44 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)	11.506	2804001	20.137 ug/ml
Spiked Amount 50.000		Recovery =	40.27%
12) S 1-chlorooctadecane (S...	12.944	2076343	21.255 ug/ml
Spiked Amount 50.000		Recovery =	42.51%
Target Compounds			
1) T n-Nonane (C9)	3.280	2625431	19.793 ug/ml
2) T n-Decane (C10)	4.345	2675544	19.921 ug/ml
3) T A~Naphthalene (C11.7)	5.924	2840690	19.987 ug/ml
4) T n-Dodecane (C12)	6.361	2694449	20.130 ug/ml
5) T A~2-methylnaphthalene...	6.979	2694946	20.181 ug/ml
6) T n-Tetradecane (C14)	8.155	2631196	20.417 ug/ml
7) T n-Hexadecane (C16)	9.754	2668515	20.698 ug/ml
8) T n-Octadecane (C18)	11.194	2663384	20.817 ug/ml
10) T n-Eicosane (C20)	12.501	2500384	20.817 ug/ml
11) T n-Heneicosane (C21)	13.113	2428557	20.794 ug/ml
13) T n-Docosane (C22)	13.699	2385234	20.659 ug/ml
14) T n-Tetracosane (C24)	14.800	2331946	20.535 ug/ml
15) T n-Hexacosane (C26)	15.820	2269266	20.475 ug/ml
16) T n-Octacosane (C28)	16.768	2212015	20.478 ug/ml
17) T n-Tricontane (C30)	17.656	2244574	20.635 ug/ml
18) T n-Dotriacontane (C32)	18.487	2165950	20.765 ug/ml
19) T n-Tetratriacontane (C34)	19.269	1929536	20.914 ug/ml
20) T n-Hexatriacontane (C36)	20.008	1687168	21.290 ug/ml
21) T n-Octatriacontane (C38)	20.734	1580955	21.047 ug/ml
22) T n-Tetracontane (C40)	21.625	1517559	21.721 ug/ml

(f)=RT Delta > 1/2 Window

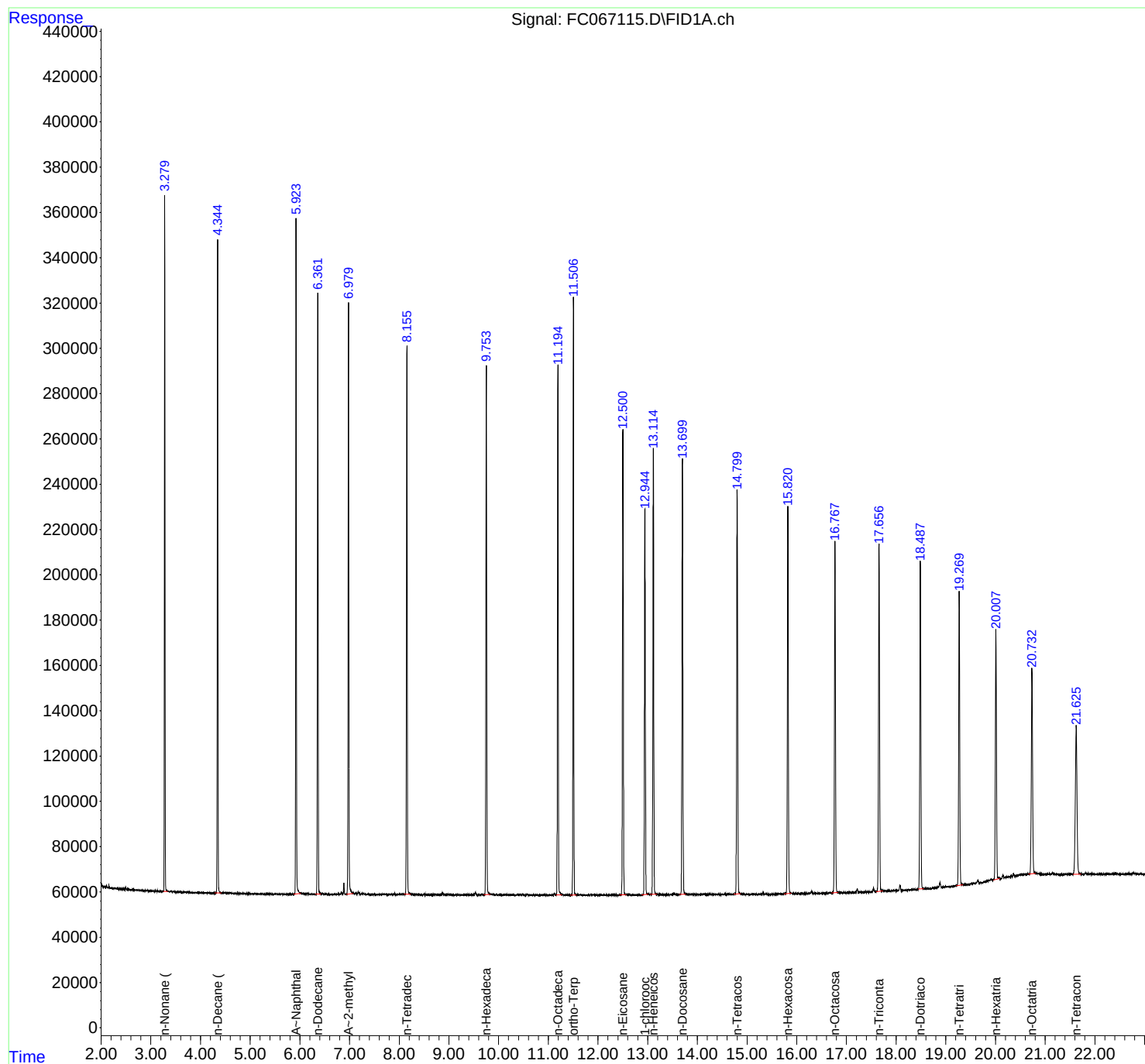
(m)=manual int.

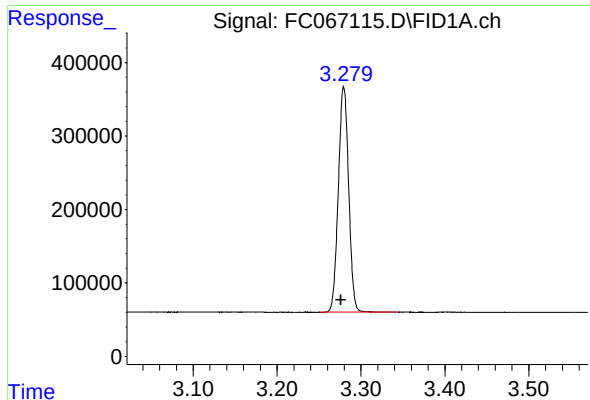
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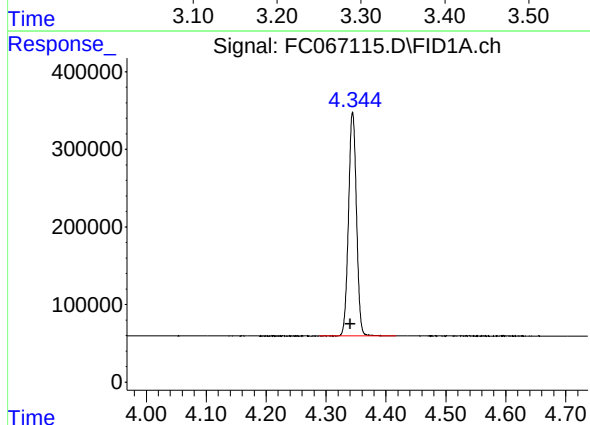




#1 n-Nonane (C9)

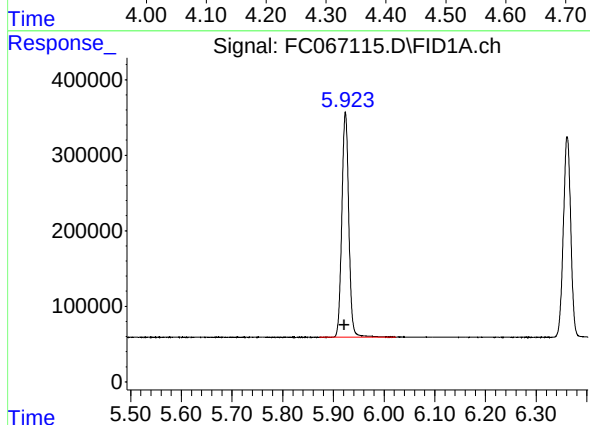
R.T.: 3.280 min
Delta R.T.: 0.004 min
Response: 2625431
Conc: 19.79 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD



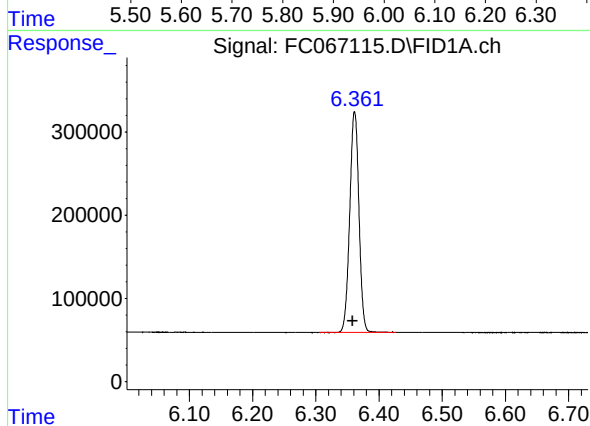
#2 n-Decane (C10)

R.T.: 4.345 min
Delta R.T.: 0.004 min
Response: 2675544
Conc: 19.92 ug/ml



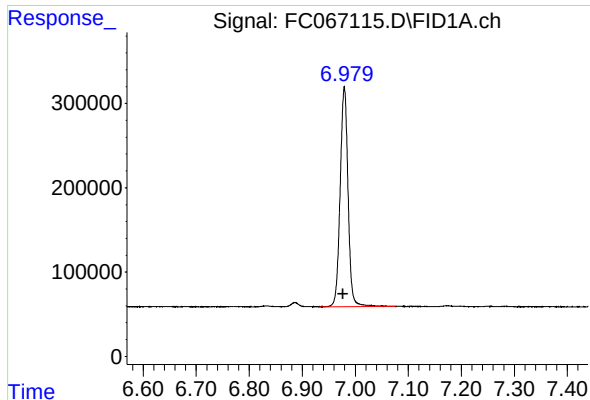
#3 A~Naphthalene (C11.7)

R.T.: 5.924 min
Delta R.T.: 0.002 min
Response: 2840690
Conc: 19.99 ug/ml



#4 n-Dodecane (C12)

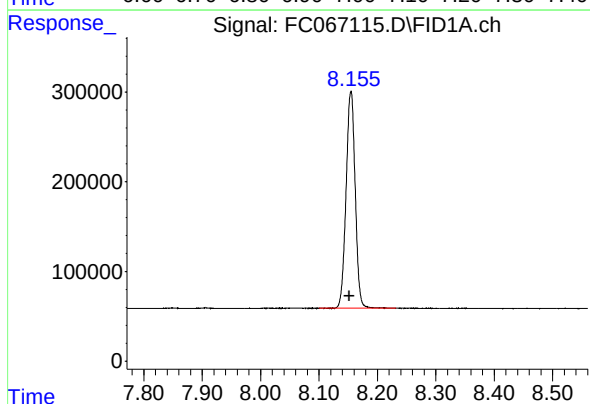
R.T.: 6.361 min
Delta R.T.: 0.003 min
Response: 2694449
Conc: 20.13 ug/ml



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

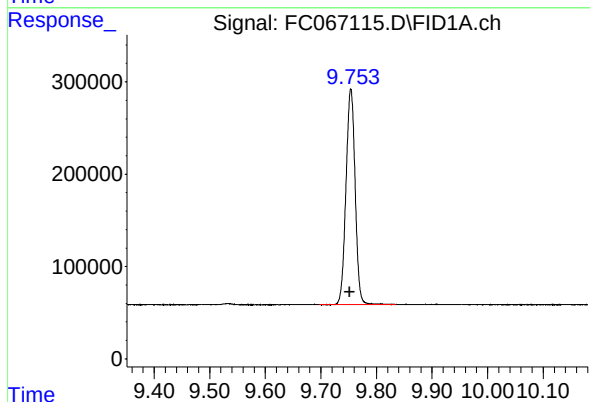
R.T.: 6.979 min
Delta R.T.: 0.002 min
Response: 2694946
Conc: 20.18 ug/ml

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20 PPM ALIPHATIC HC STD



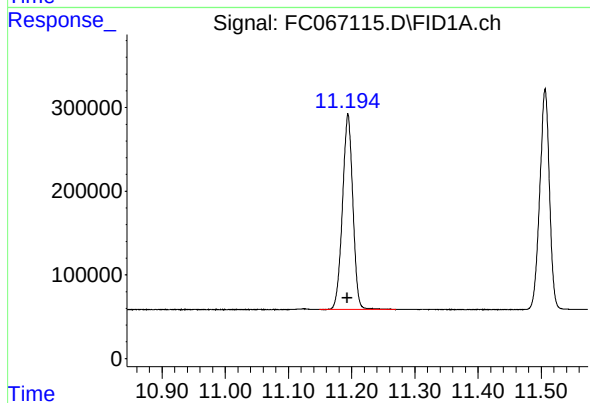
#6 n-Tetradecane (C14)

R.T.: 8.155 min
Delta R.T.: 0.003 min
Response: 2631196
Conc: 20.42 ug/ml



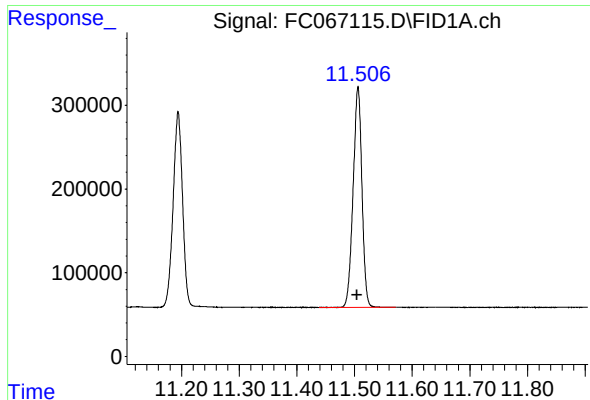
#7 n-Hexadecane (C16)

R.T.: 9.754 min
Delta R.T.: 0.002 min
Response: 2668515
Conc: 20.70 ug/ml



#8 n-Octadecane (C18)

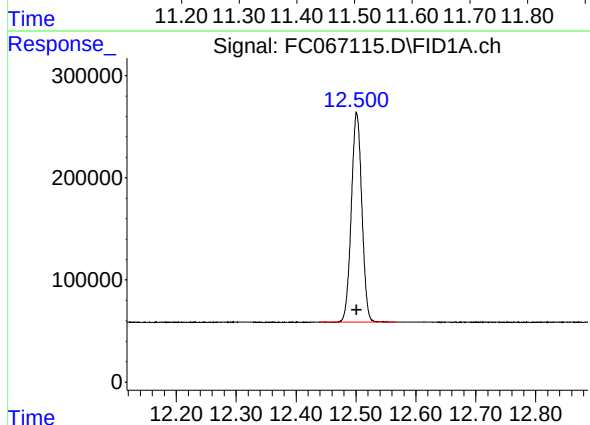
R.T.: 11.194 min
Delta R.T.: 0.001 min
Response: 2663384
Conc: 20.82 ug/ml



#9 ortho-Terphenyl (SURR)

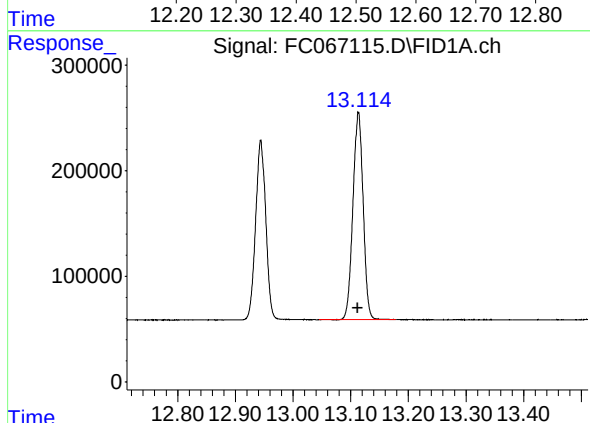
R.T.: 11.506 min
Delta R.T.: 0.002 min
Response: 2804001
Conc: 20.14 ug/ml

Instrument :
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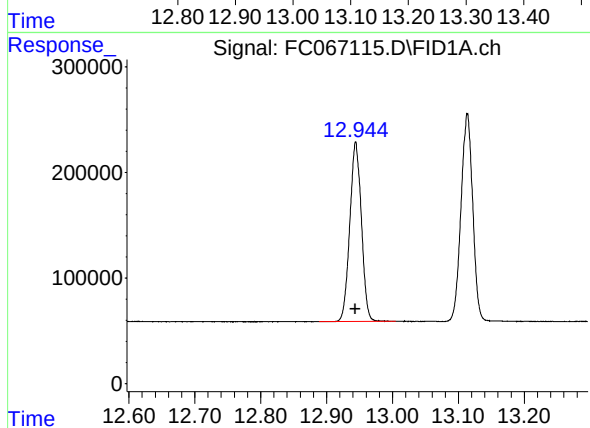
#10 n-Eicosane (C20)

R.T.: 12.501 min
Delta R.T.: 0.000 min
Response: 2500384
Conc: 20.82 ug/ml



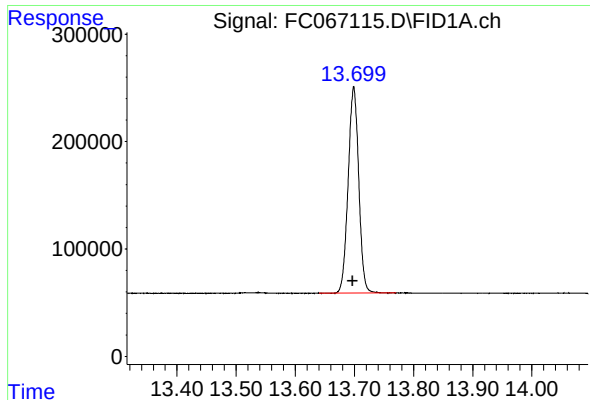
#11 n-Heneicosane (C21)

R.T.: 13.113 min
Delta R.T.: 0.002 min
Response: 2428557
Conc: 20.79 ug/ml



#12 1-chlorooctadecane (SURR)

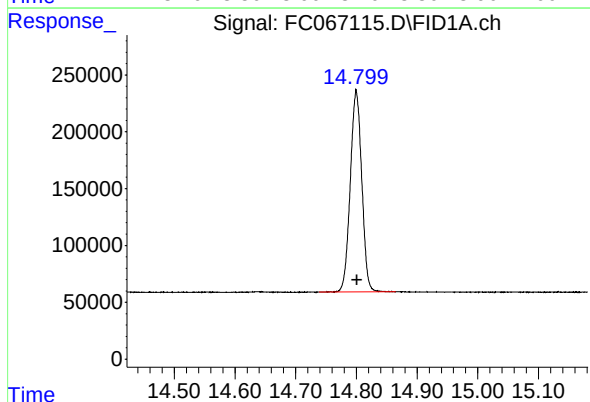
R.T.: 12.944 min
Delta R.T.: 0.000 min
Response: 2076343
Conc: 21.26 ug/ml



#13 n-Docosane (C22)

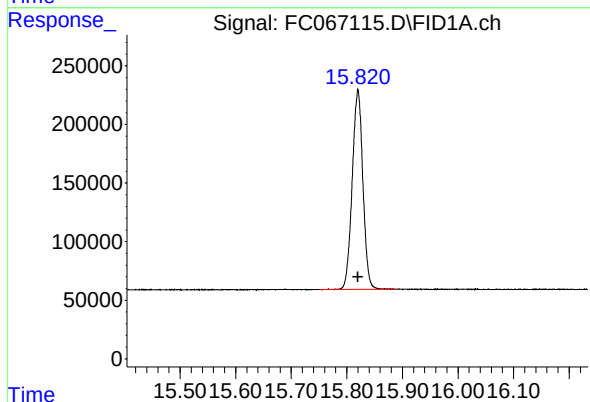
R.T.: 13.699 min
Delta R.T.: 0.002 min
Response: 2385234
Conc: 20.66 ug/ml

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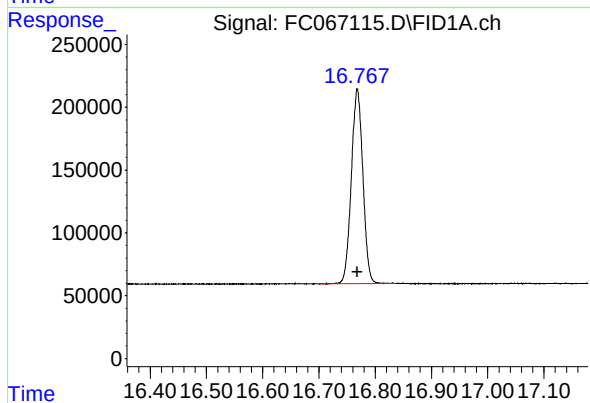
#14 n-Tetracosane (C24)

R.T.: 14.800 min
Delta R.T.: 0.000 min
Response: 2331946
Conc: 20.53 ug/ml



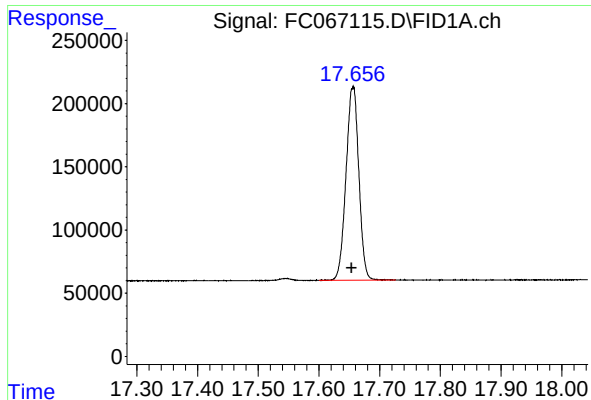
#15 n-Hexacosane (C26)

R.T.: 15.820 min
Delta R.T.: 0.000 min
Response: 2269266
Conc: 20.48 ug/ml



#16 n-Octacosane (C28)

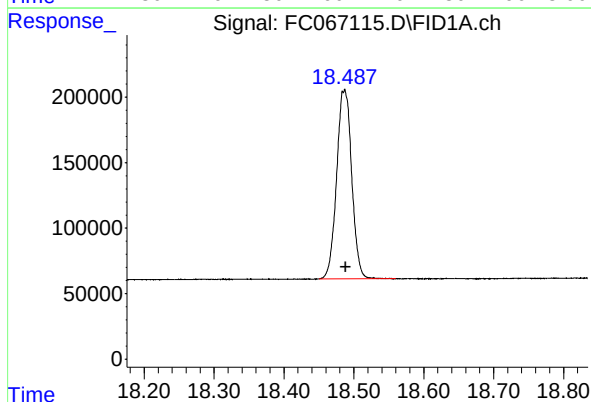
R.T.: 16.768 min
Delta R.T.: 0.000 min
Response: 2212015
Conc: 20.48 ug/ml



#17 n-Tricontane (C30)

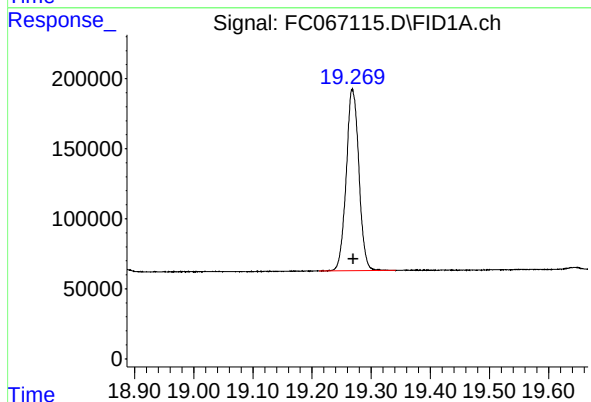
R.T.: 17.656 min
Delta R.T.: 0.002 min
Response: 2244574
Conc: 20.64 ug/ml

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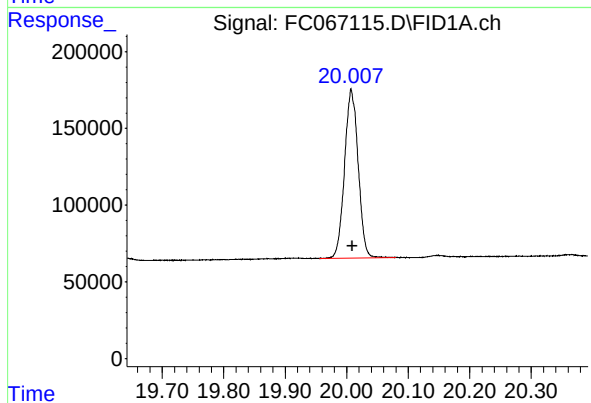
#18 n-Dotriacontane (C32)

R.T.: 18.487 min
Delta R.T.: -0.002 min
Response: 2165950
Conc: 20.77 ug/ml



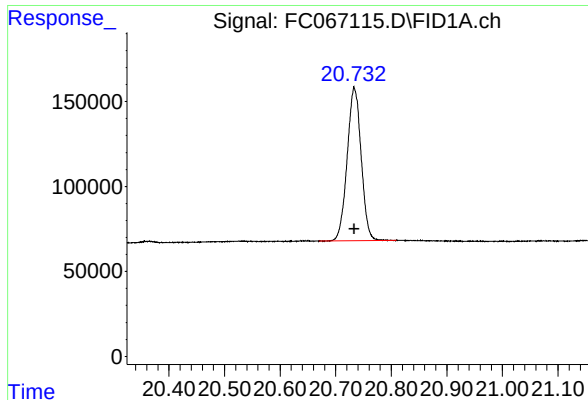
#19 n-Tetatriacontane (C34)

R.T.: 19.269 min
Delta R.T.: -0.001 min
Response: 1929536
Conc: 20.91 ug/ml



#20 n-Hexatriacontane (C36)

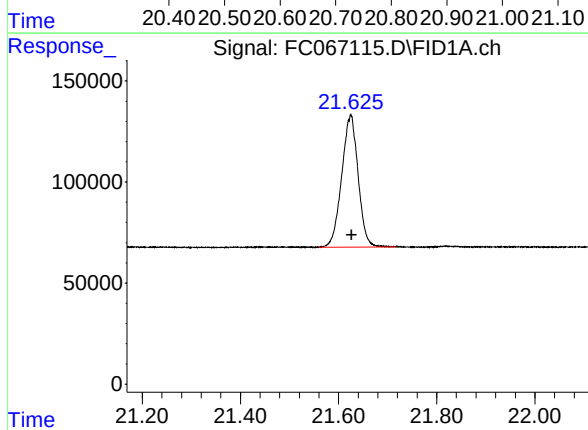
R.T.: 20.008 min
Delta R.T.: -0.001 min
Response: 1687168
Conc: 21.29 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.734 min
Delta R.T.: 0.000 min
Response: 1580955
Conc: 21.05 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.625 min
Delta R.T.: -0.002 min
Response: 1517559
Conc: 21.72 ug/ml