

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F121224AL\
 Data File : FC067996.D
 Signal(s) : FID1A.ch
 Acq On : 12 Dec 2024 14:02
 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 12/13/2024
 Supervised By :Ankita Jodhani 12/13/2024

Integration File: autoint1.e
 Quant Time: Dec 13 00:28:39 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)	11.468	3330827	19.263 ug/ml
Spiked Amount 50.000		Recovery =	38.53%
12) S 1-chlorooctadecane (S...	12.908	2472355	19.377 ug/ml
Spiked Amount 50.000		Recovery =	38.75%
Target Compounds			
1) T n-Nonane (C9)	3.251	3014805	19.404 ug/ml
2) T n-Decane (C10)	4.313	3086547	19.470 ug/ml
3) T A~Naphthalene (C11.7)	5.887	3397108	19.459 ug/ml
4) T n-Dodecane (C12)	6.327	3140344	19.503 ug/ml
5) T A~2-methylnaphthalene...	6.943	3295638	19.669 ug/ml
6) T n-Tetradecane (C14)	8.120	3116076	19.598 ug/ml
7) T n-Hexadecane (C16)	9.719	3173697	19.645 ug/ml
8) T n-Octadecane (C18)	11.159	3138590	19.550 ug/ml
10) T n-Eicosane (C20)	12.465	2935858	19.517 ug/ml
11) T n-Heneicosane (C21)	13.078	2842306	19.452 ug/ml
13) T n-Docosane (C22)	13.662	2790988	19.498 ug/ml
14) T n-Tetracosane (C24)	14.763	2728186	19.635 ug/ml
15) T n-Hexacosane (C26)	15.782	2632083	19.682 ug/ml
16) T n-Octacosane (C28)	16.732	2604995	20.083 ug/ml
17) T n-Tricontane (C30)	17.616	2709122	20.913 ug/ml
18) T n-Dotriacontane (C32)	18.448	2653842	21.422 ug/ml
19) T n-Tetratriacontane (C34)	19.231	2328944	21.337 ug/ml
20) T n-Hexatriacontane (C36)	19.969	1978620	20.914 ug/ml
21) T n-Octatriacontane (C38)	20.688	1872989	20.705 ug/mlm
22) T n-Tetracontane (C40)	21.564	1816140	20.605 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

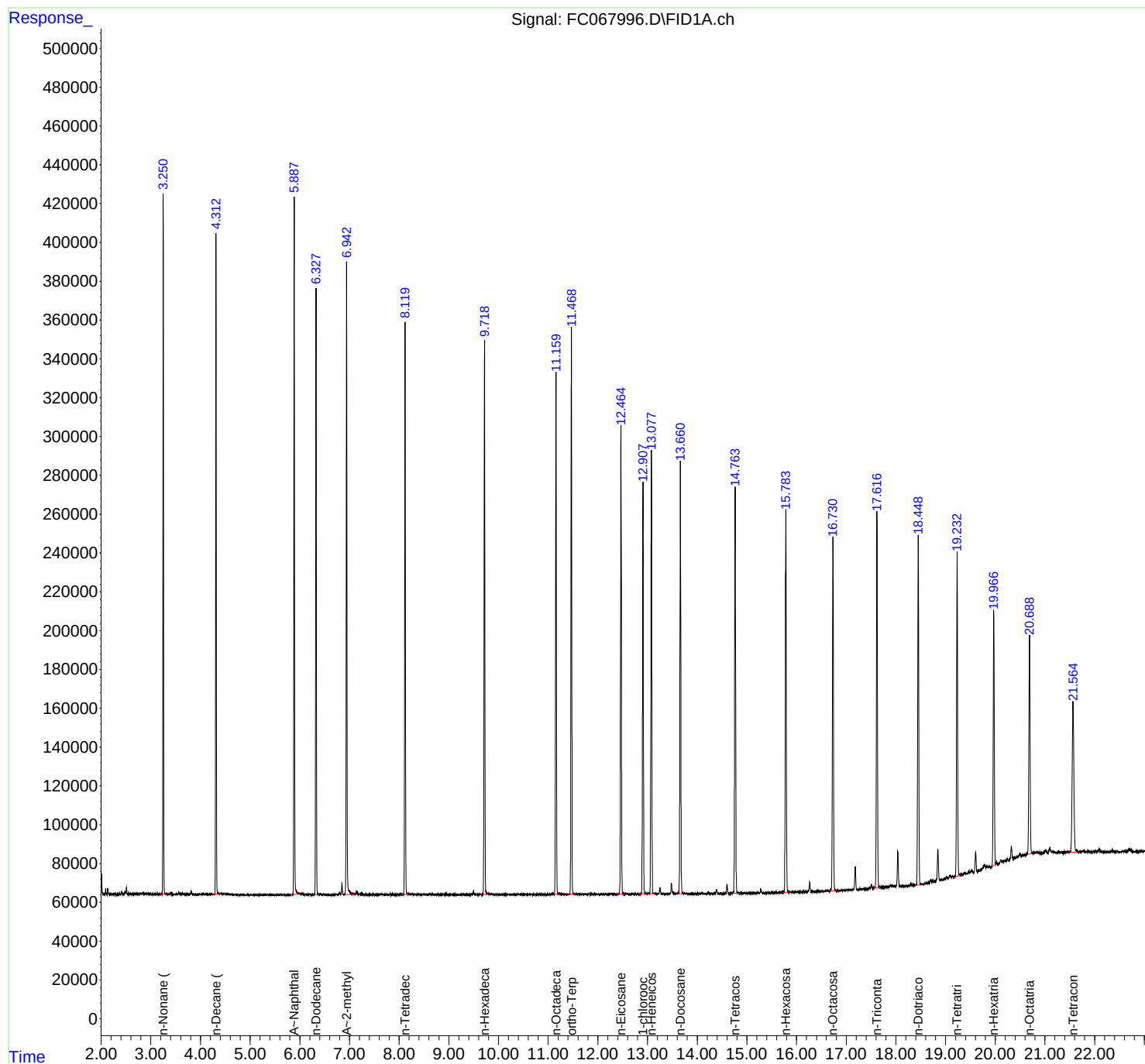
Instrument :
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20 PPM ALIPHATIC HC STD

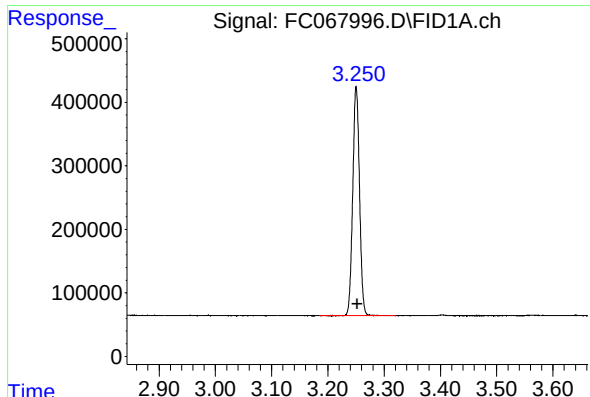
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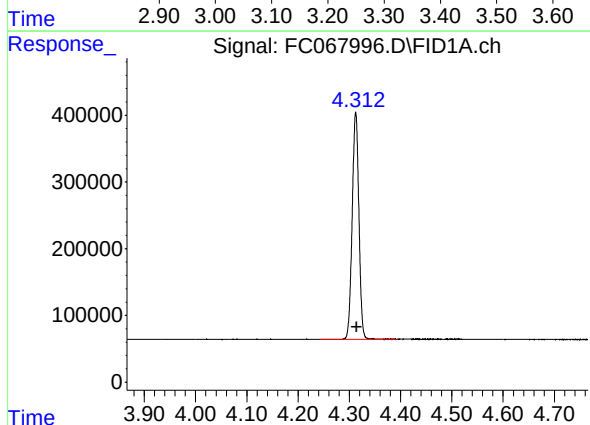
#1 n-Nonane (C9)

R.T.: 3.251 min
Delta R.T.: -0.001 min
Response: 3014805
Conc: 19.40 ug/ml

Instrument : FID_C
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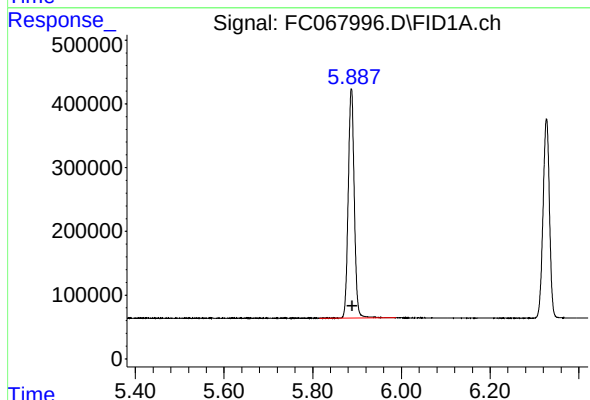
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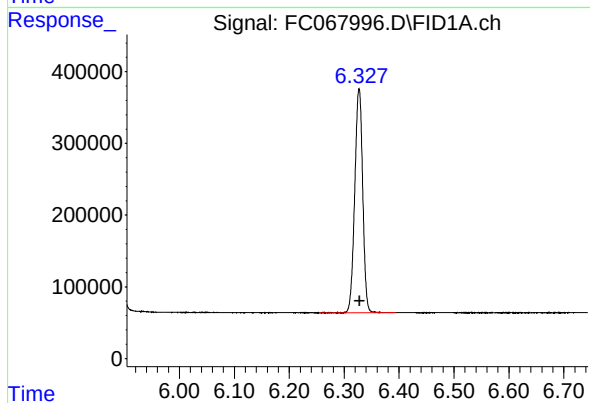
#2 n-Decane (C10)

R.T.: 4.313 min
Delta R.T.: -0.002 min
Response: 3086547
Conc: 19.47 ug/ml



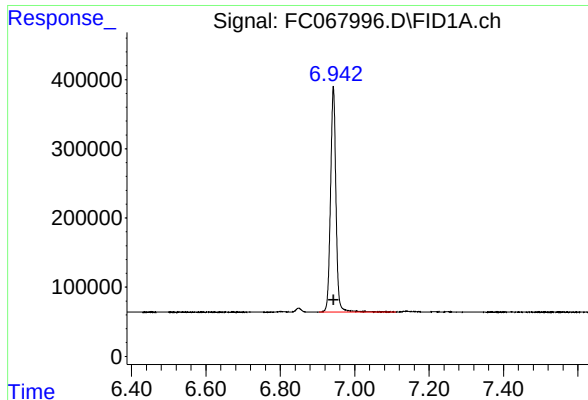
#3 A~Naphthalene (C11.7)

R.T.: 5.887 min
Delta R.T.: -0.002 min
Response: 3397108
Conc: 19.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.327 min
Delta R.T.: -0.001 min
Response: 3140344
Conc: 19.50 ug/ml



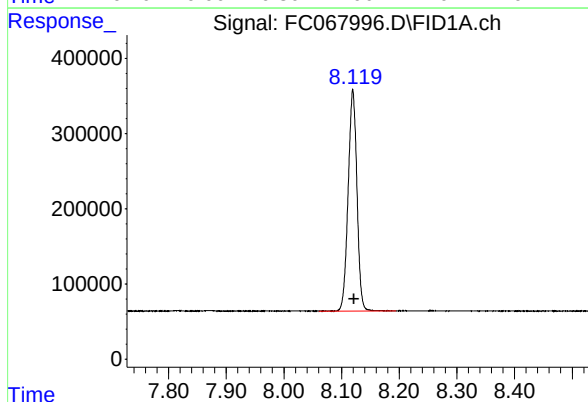
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.943 min
Delta R.T.: -0.002 min
Response: 3295638
Conc: 19.67 ug/ml

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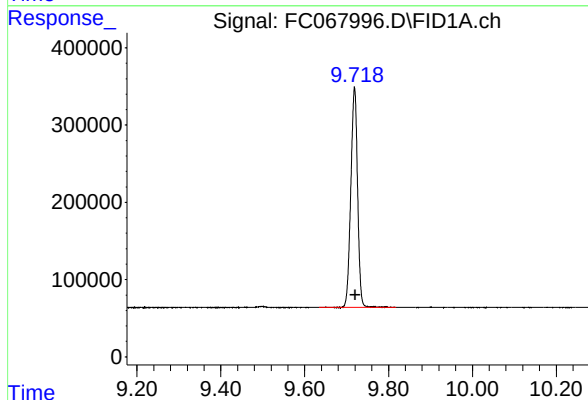
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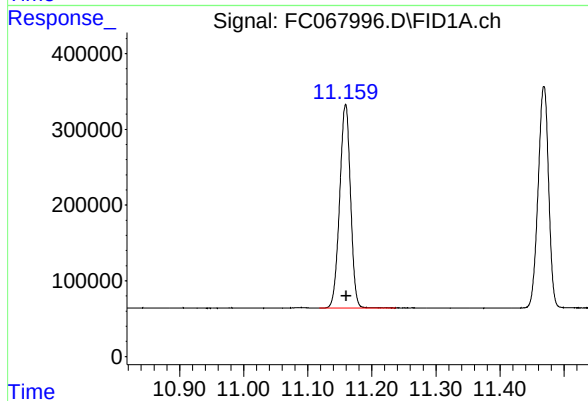
#6 n-Tetradecane (C14)

R.T.: 8.120 min
Delta R.T.: -0.002 min
Response: 3116076
Conc: 19.60 ug/ml



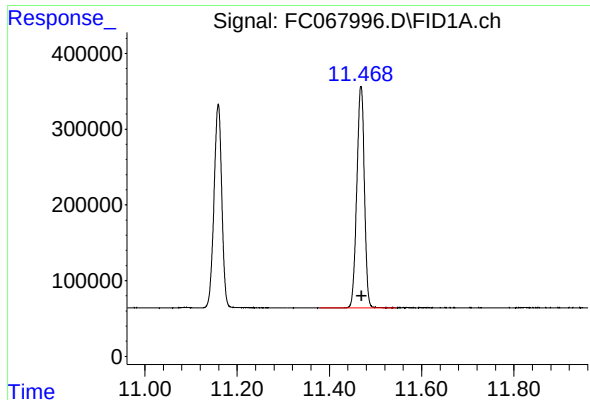
#7 n-Hexadecane (C16)

R.T.: 9.719 min
Delta R.T.: -0.002 min
Response: 3173697
Conc: 19.64 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.159 min
Delta R.T.: -0.001 min
Response: 3138590
Conc: 19.55 ug/ml



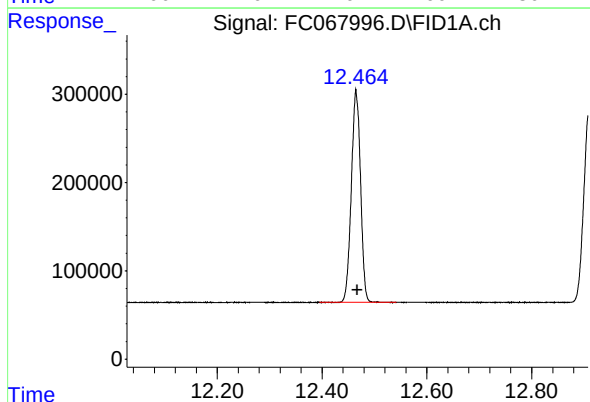
#9 ortho-Terphenyl (SURR)

R.T.: 11.468 min
Delta R.T.: -0.002 min
Response: 3330827
Conc: 19.26 ug/ml

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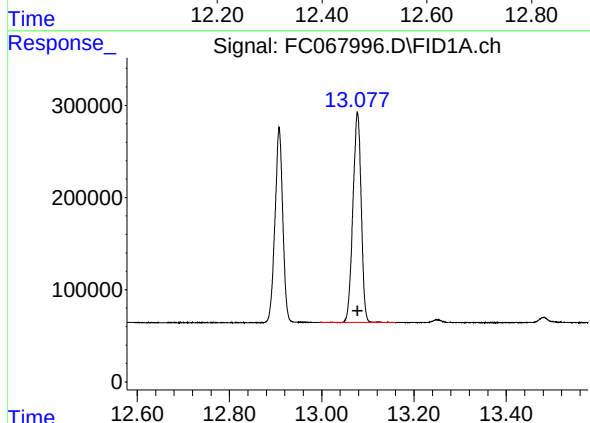
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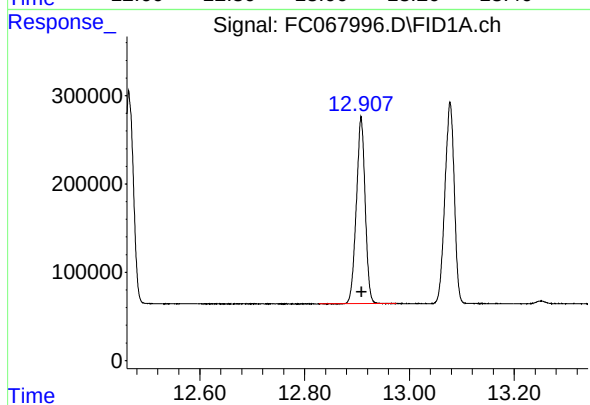
#10 n-Eicosane (C20)

R.T.: 12.465 min
Delta R.T.: -0.002 min
Response: 2935858
Conc: 19.52 ug/ml



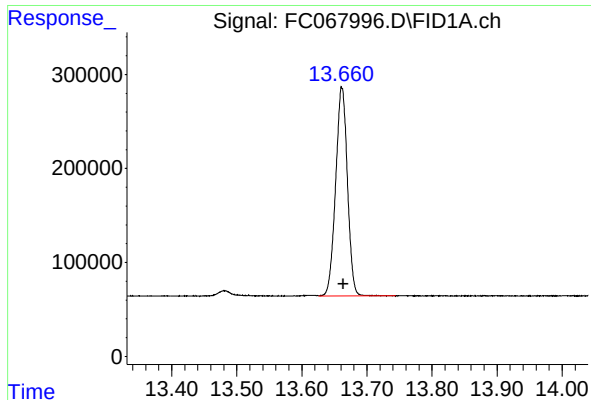
#11 n-Heneicosane (C21)

R.T.: 13.078 min
Delta R.T.: 0.000 min
Response: 2842306
Conc: 19.45 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.908 min
Delta R.T.: -0.001 min
Response: 2472355
Conc: 19.38 ug/ml



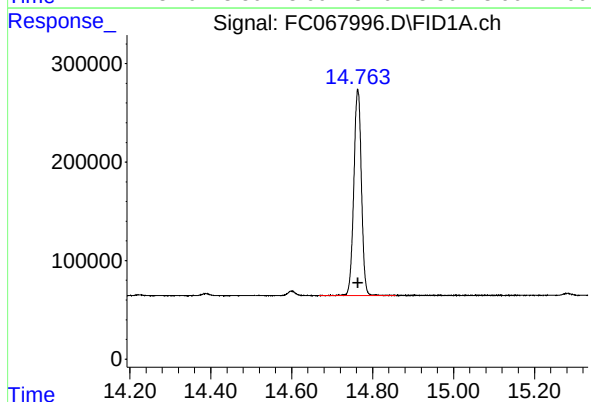
#13 n-Docosane (C22)

R.T.: 13.662 min
Delta R.T.: -0.003 min
Response: 2790988
Conc: 19.50 ug/ml

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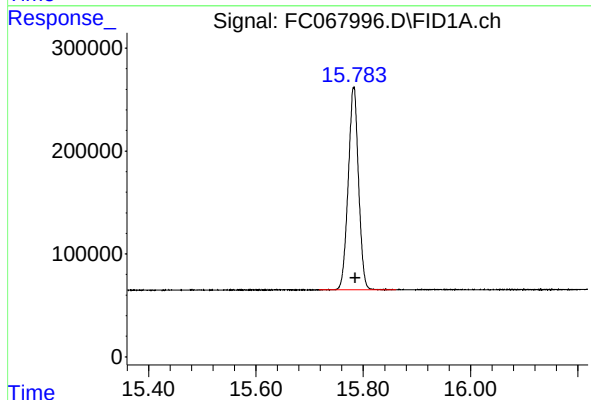
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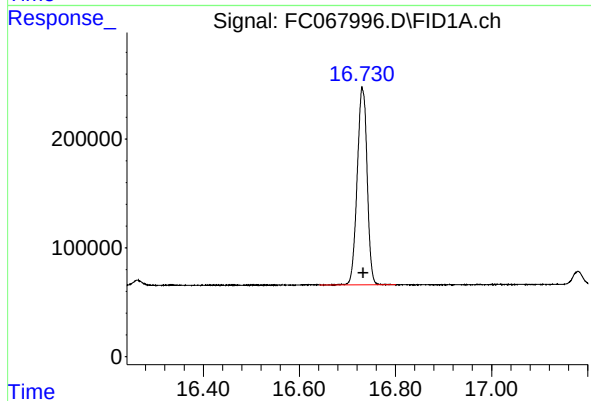
#14 n-Tetracosane (C24)

R.T.: 14.763 min
Delta R.T.: -0.001 min
Response: 2728186
Conc: 19.63 ug/ml



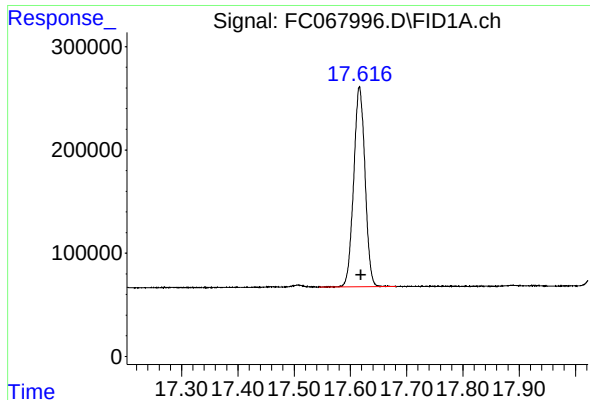
#15 n-Hexacosane (C26)

R.T.: 15.782 min
Delta R.T.: -0.003 min
Response: 2632083
Conc: 19.68 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.732 min
Delta R.T.: -0.001 min
Response: 2604995
Conc: 20.08 ug/ml



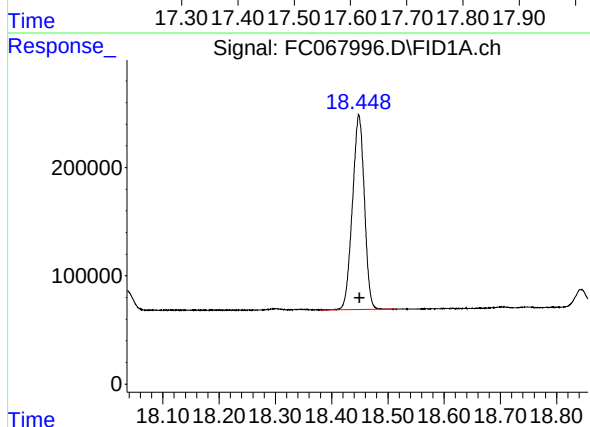
#17 n-Tricontane (C30)

R.T.: 17.616 min
Delta R.T.: -0.003 min
Response: 2709122
Conc: 20.91 ug/ml

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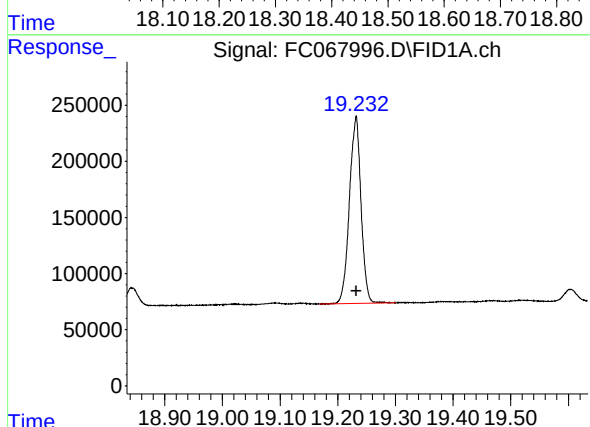
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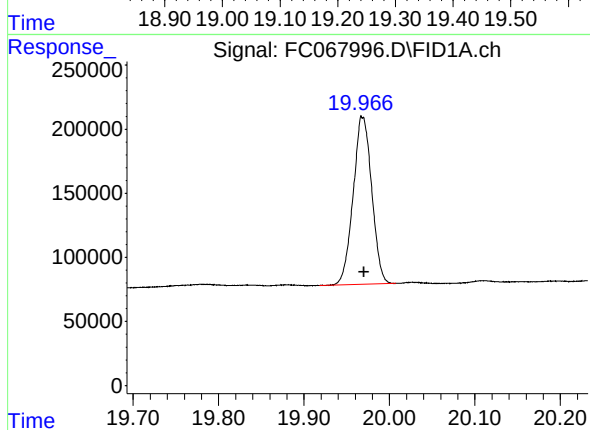
#18 n-Dotriacontane (C32)

R.T.: 18.448 min
Delta R.T.: -0.001 min
Response: 2653842
Conc: 21.42 ug/ml



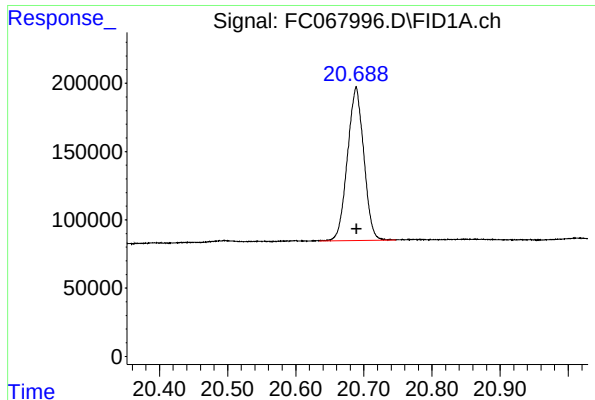
#19 n-Tetratriacontane (C34)

R.T.: 19.231 min
Delta R.T.: 0.000 min
Response: 2328944
Conc: 21.34 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.969 min
Delta R.T.: -0.001 min
Response: 1978620
Conc: 20.91 ug/ml



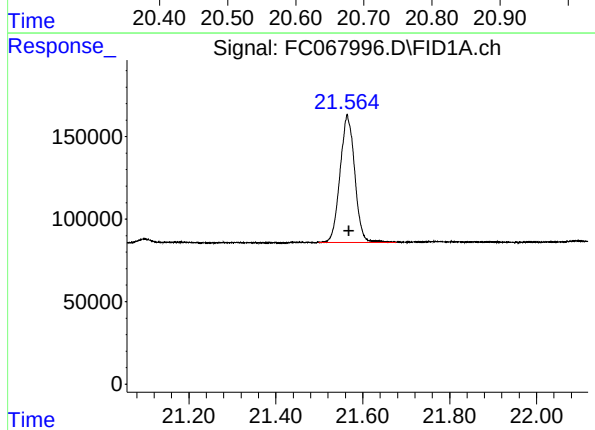
#21 n-Octatriacontane (C38)

R.T.: 20.688 min
Delta R.T.: 0.000 min
Response: 1872989
Conc: 20.70 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.564 min
Delta R.T.: -0.004 min
Response: 1816140
Conc: 20.61 ug/ml m