

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC090123AL\
 Data File : FC064487.D
 Signal(s) : FID1A.ch
 Acq On : 02 Sep 2023 00:44
 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 09/05/2023
 Supervised By :Ankita Jodhani 09/05/2023

Integration File: autoint1.e
 Quant Time: Sep 02 03:09:10 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 081823.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 18 14:31:35 2023
 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)	11.511	4018307	18.927 ug/ml
Spiked Amount 50.000		Recovery =	37.85%
12) S 1-chlorooctadecane (S...	12.944	2922654	19.168 ug/ml
Spiked Amount 50.000		Recovery =	38.34%
Target Compounds			
1) T n-Nonane (C9)	3.306	3555890	20.147 ug/ml
2) T n-Decane (C10)	4.366	3596795	20.504 ug/ml
3) T A~Naphthalene (C11.7)	5.943	3807772	20.477 ug/ml
4) T n-Dodecane (C12)	6.376	3621476	20.318 ug/ml
5) T A~2-methylnaphthalene...	6.997	3696282	20.779 ug/ml
6) T n-Tetradecane (C14)	8.164	3521767	20.187 ug/ml
7) T n-Hexadecane (C16)	9.760	3497472	20.238 ug/ml
8) T n-Octadecane (C18)	11.198	3442741	19.664 ug/ml
10) T n-Eicosane (C20)	12.502	3260662	19.276 ug/ml
11) T n-Heneicosane (C21)	13.112	3180790	19.058 ug/ml
13) T n-Docosane (C22)	13.695	3112344	19.081 ug/ml
14) T n-Tetracosane (C24)	14.795	2998455	18.829 ug/ml
15) T n-Hexacosane (C26)	15.812	2881138	18.648 ug/ml
16) T n-Octacosane (C28)	16.757	2780555	18.781 ug/ml
17) T n-Tricontane (C30)	17.642	2776056	19.005 ug/ml
18) T n-Dotriacontane (C32)	18.472	2758617	19.529 ug/mlm
19) T n-Tetratriacontane (C34)	19.250	2683514	20.084 ug/mlm
20) T n-Hexatriacontane (C36)	19.988	2719453	21.252 ug/ml
21) T n-Octatriacontane (C38)	20.707	2741359	22.324 ug/mlm
22) T n-Tetracontane (C40)	21.590	2703894	23.283 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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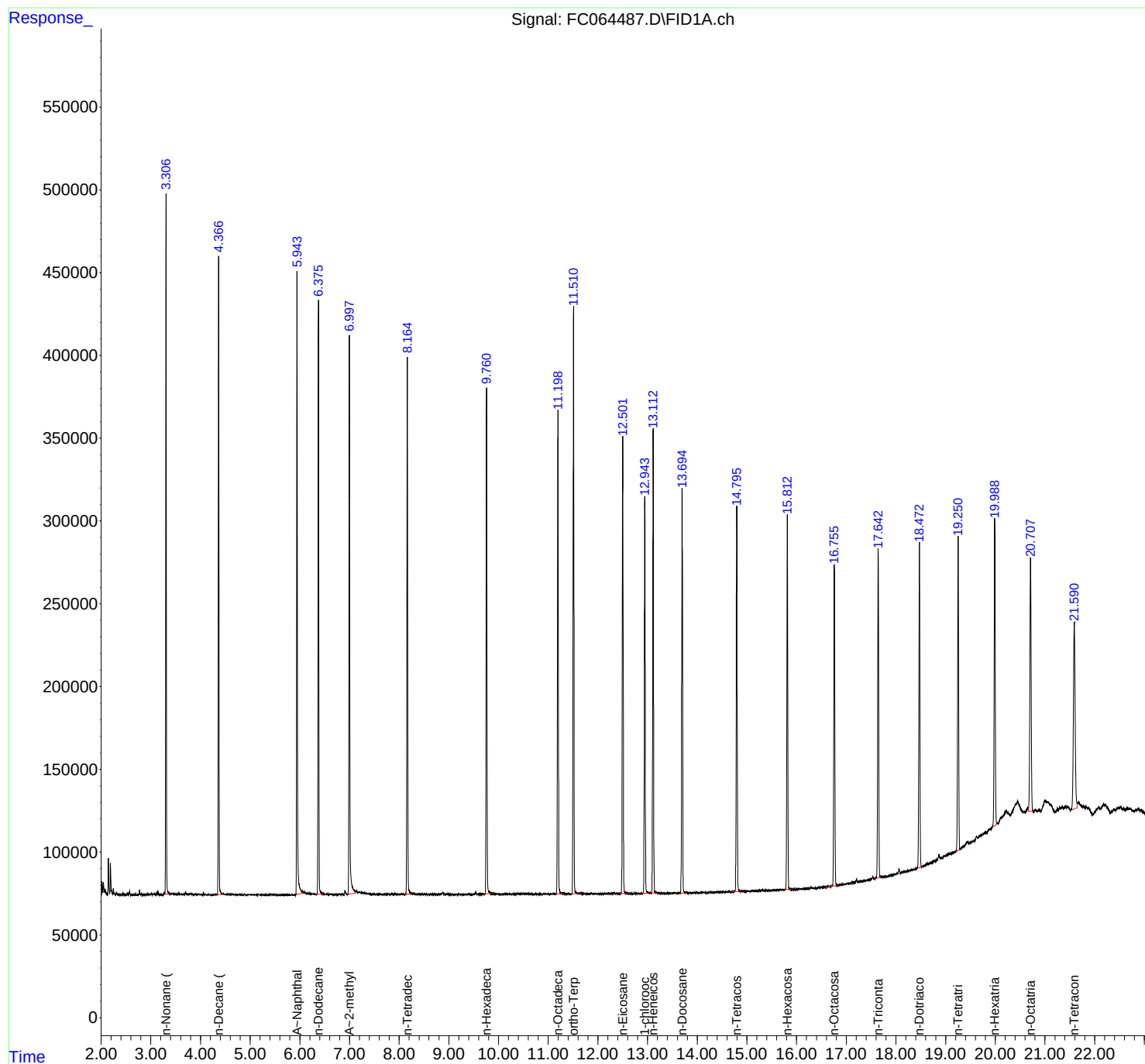
Instrument :
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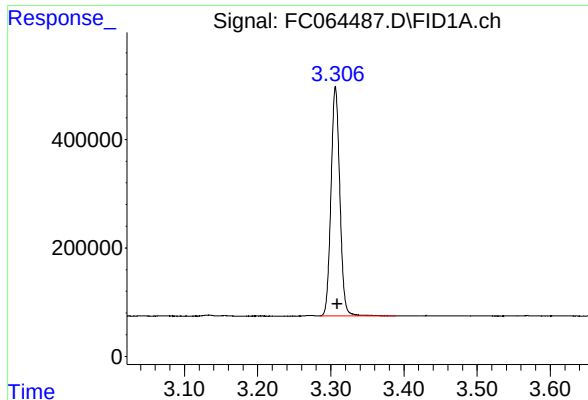
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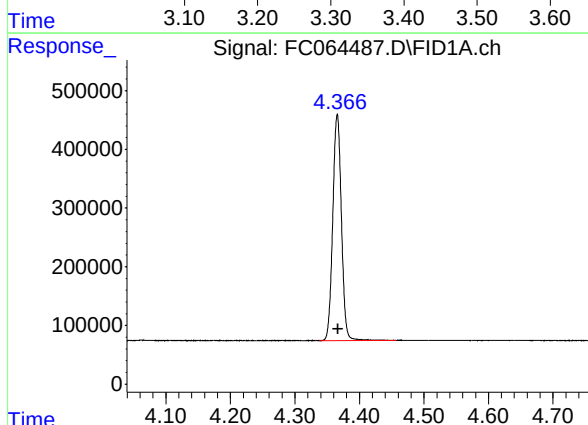
#1 n-Nonane (C9)

R.T.: 3.306 min
Delta R.T.: -0.003 min
Response: 3555890
Conc: 20.15 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

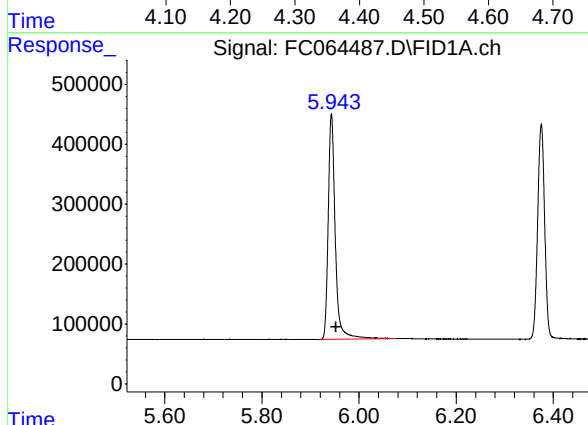
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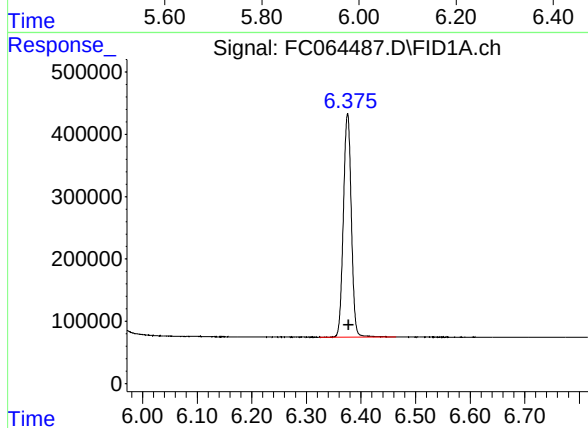
#2 n-Decane (C10)

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 3596795
Conc: 20.50 ug/ml



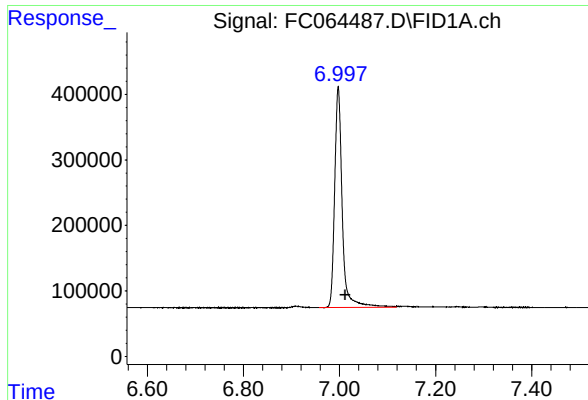
#3 A~Naphthalene (C11.7)

R.T.: 5.943 min
Delta R.T.: -0.009 min
Response: 3807772
Conc: 20.48 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.376 min
Delta R.T.: -0.002 min
Response: 3621476
Conc: 20.32 ug/ml



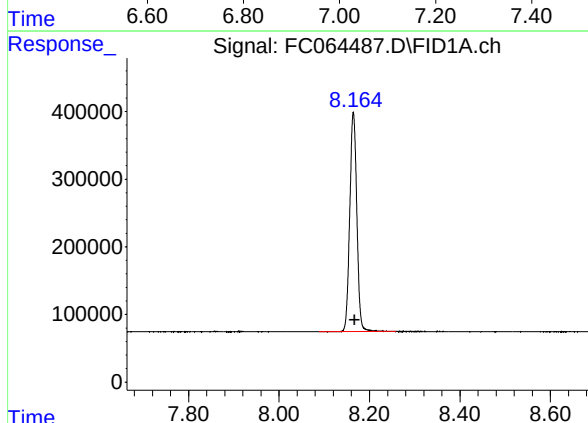
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.997 min
Delta R.T.: -0.014 min
Response: 3696282
Conc: 20.78 ug/ml

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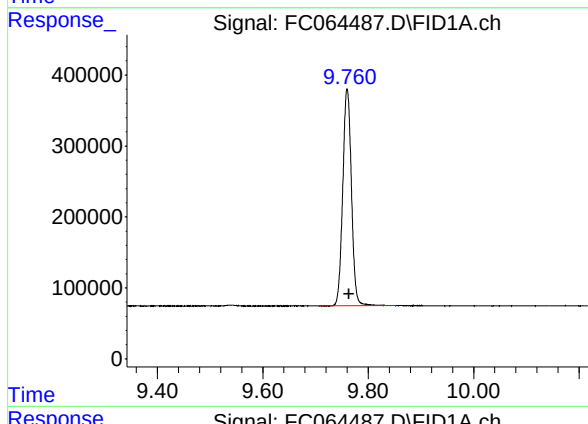
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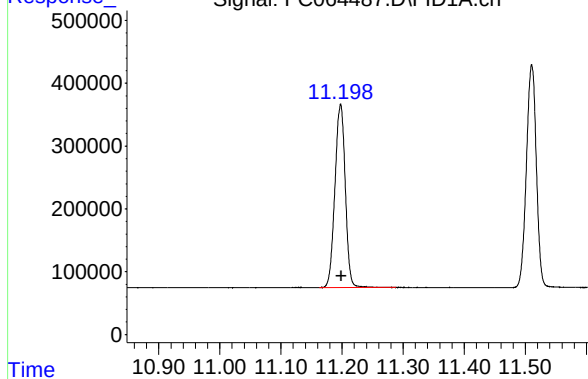
#6 n-Tetradecane (C14)

R.T.: 8.164 min
Delta R.T.: -0.003 min
Response: 3521767
Conc: 20.19 ug/ml



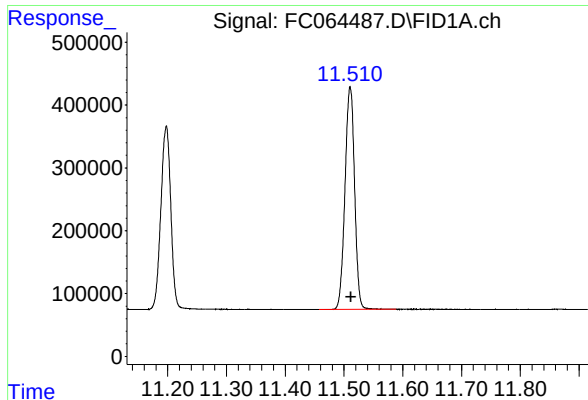
#7 n-Hexadecane (C16)

R.T.: 9.760 min
Delta R.T.: -0.003 min
Response: 3497472
Conc: 20.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.198 min
Delta R.T.: 0.000 min
Response: 3442741
Conc: 19.66 ug/ml



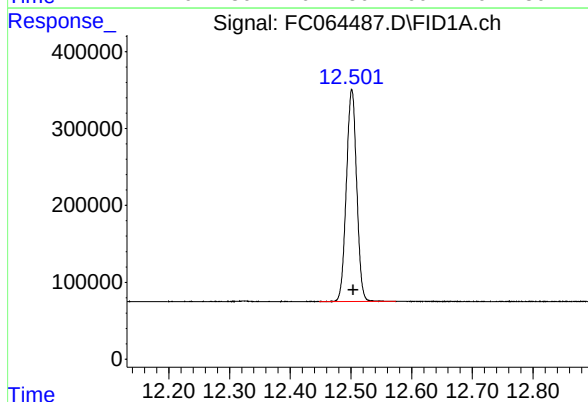
#9 ortho-Terphenyl (SURR)

R.T.: 11.511 min
Delta R.T.: -0.001 min
Response: 4018307
Conc: 18.93 ug/ml

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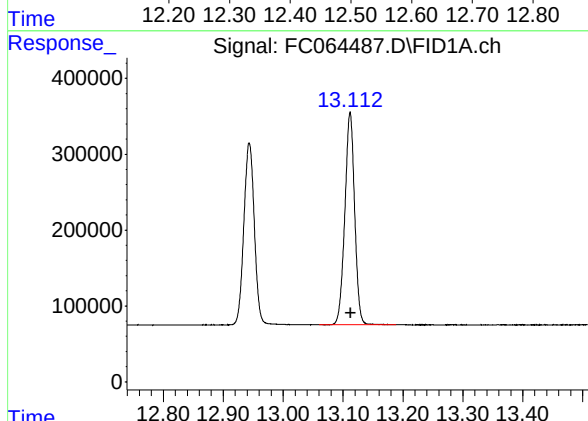
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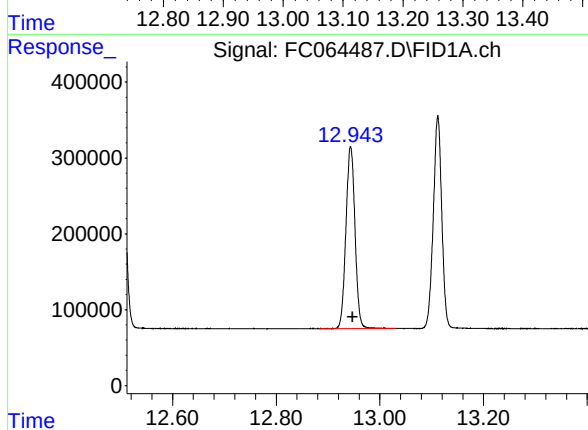
#10 n-Eicosane (C20)

R.T.: 12.502 min
Delta R.T.: -0.002 min
Response: 3260662
Conc: 19.28 ug/ml



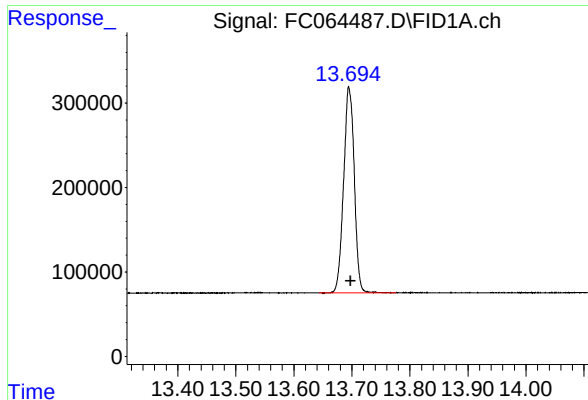
#11 n-Heneicosane (C21)

R.T.: 13.112 min
Delta R.T.: -0.001 min
Response: 3180790
Conc: 19.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.944 min
Delta R.T.: -0.004 min
Response: 2922654
Conc: 19.17 ug/ml



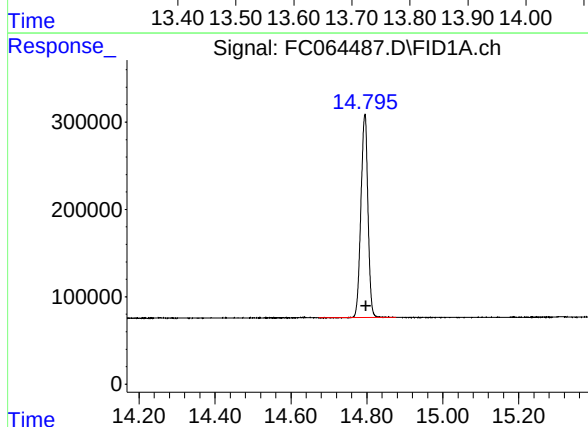
#13 n-Docosane (C22)

R.T.: 13.695 min
Delta R.T.: -0.003 min
Response: 3112344
Conc: 19.08 ug/ml

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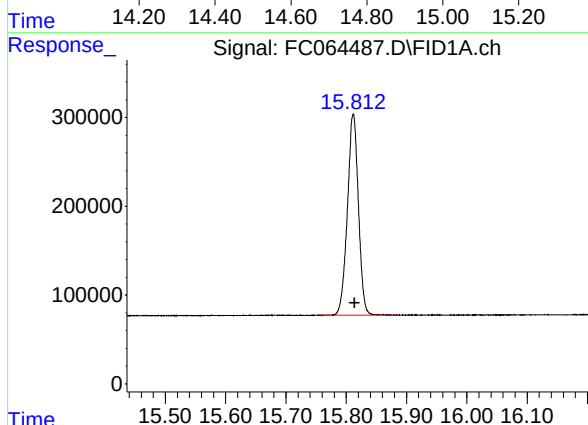
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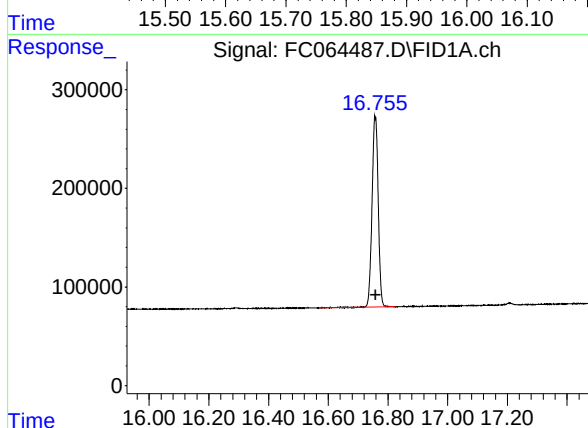
#14 n-Tetracosane (C24)

R.T.: 14.795 min
Delta R.T.: -0.004 min
Response: 2998455
Conc: 18.83 ug/ml



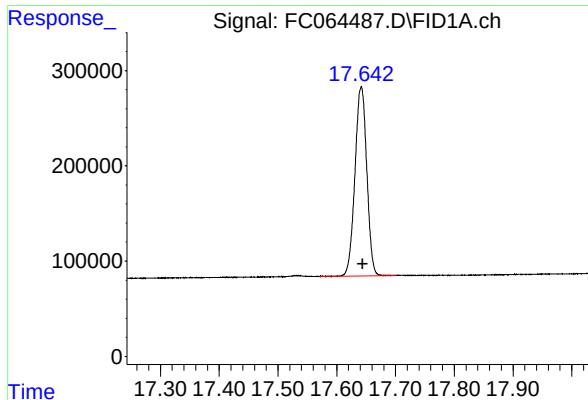
#15 n-Hexacosane (C26)

R.T.: 15.812 min
Delta R.T.: -0.002 min
Response: 2881138
Conc: 18.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.757 min
Delta R.T.: -0.002 min
Response: 2780555
Conc: 18.78 ug/ml



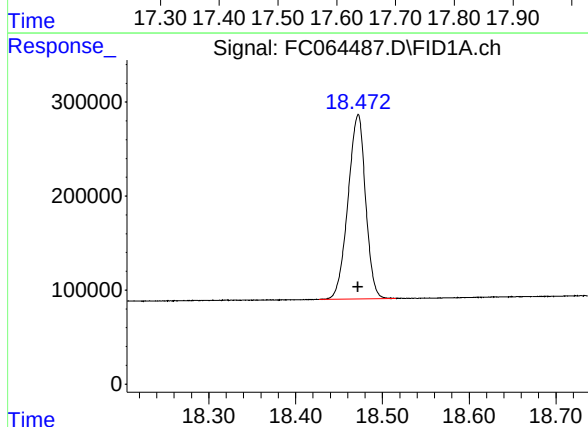
#17 n-Tricontane (C30)

R.T.: 17.642 min
Delta R.T.: -0.002 min
Response: 2776056
Conc: 19.01 ug/ml

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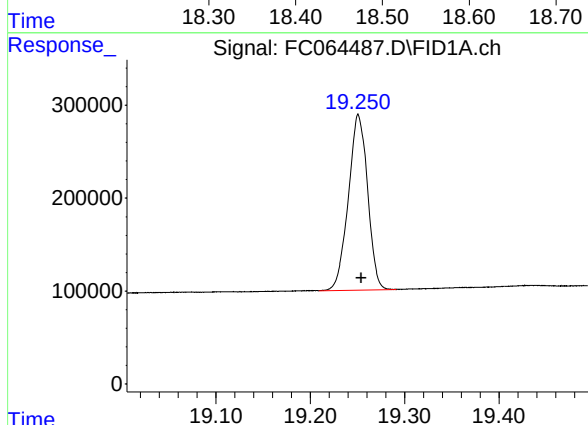
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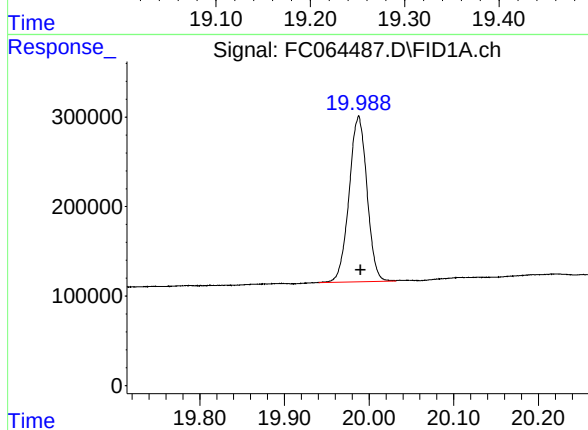
#18 n-Dotriacontane (C32)

R.T.: 18.472 min
Delta R.T.: 0.000 min
Response: 2758617
Conc: 19.53 ug/ml m



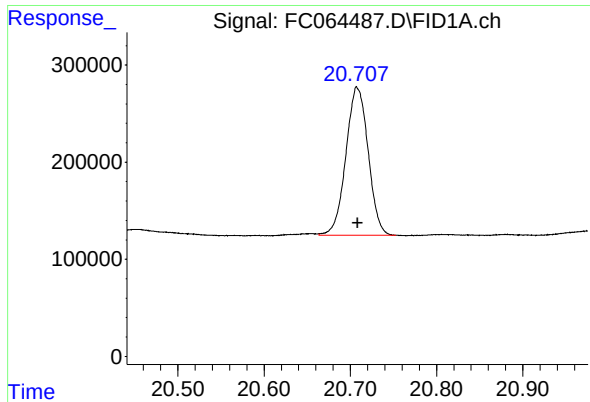
#19 n-Tetatriacontane (C34)

R.T.: 19.250 min
Delta R.T.: -0.004 min
Response: 2683514
Conc: 20.08 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.988 min
Delta R.T.: -0.002 min
Response: 2719453
Conc: 21.25 ug/ml



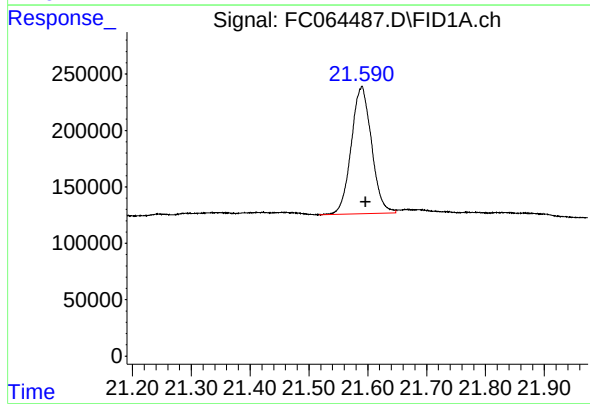
#21 n-Octatriacontane (C38)

R.T.: 20.707 min
Delta R.T.: -0.002 min
Response: 2741359
Conc: 22.32 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.590 min
Delta R.T.: -0.006 min
Response: 2703894
Conc: 23.28 ug/ml