

Data Path : P:\HPCHEM1\FID C\Data\FC051118AL\
 Data File : FC033946.D
 Signal(s) : FID1A.CH
 Acq On : 12 May 2018 16:34
 Operator : UA/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

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 5/16/2018 10:13:52 AM

Integration File: autoint1.e
 Quant Time: May 14 07:16:10 2018
 Quant Method : P:\HPCHEM1\FID_C\Method\Aliphatic EPH 042418.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 24 20:41:39 2018
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.449	2634444	16.964 ug/ml
Spiked Amount 50.000		Recovery =	33.93%
12) S 1-chlorooctadecane (S...	12.884	2041344	17.382 ug/ml
Spiked Amount 50.000		Recovery =	34.76%
Target Compounds			
1) T n-Nonane (C9)	3.257	2354687	17.249 ug/ml
2) T n-Decane (C10)	4.323	2458488	17.693 ug/ml
3) T A-Naphthalene (C11.7)	5.896	2784350	17.946 ug/ml
4) T n-Dodecane (C12)	6.333	2529439	17.608 ug/ml
5) T A-2-methylnaphthalene...	6.946	2808258	17.915 ug/ml
6) T n-Tetradecane (C14)	8.115	2574243	17.216 ug/ml
7) T n-Hexadecane (C16)	9.707	2551815	16.932 ug/ml
8) T n-Octadecane (C18)	11.140	2469341	16.709 ug/ml
10) T n-Eicosane (C20)	12.443	2468314	16.801 ug/ml
11) T n-Heneicosane (C21)	13.052	2439256	16.918 ug/ml
13) T n-Docosane (C22)	13.635	2456993	17.238 ug/ml
14) T n-Tetracosane (C24)	14.733	2434699	17.743 ug/ml
15) T n-Hexacosane (C26)	15.748	2413063	18.450 ug/ml
16) T n-Octacosane (C28)	16.693	2460487	19.273 ug/ml
17) T n-Tricontane (C30)	17.577	2408816	19.993 ug/ml
18) T n-Dotriacontane (C32)	18.407	2436573	20.933 ug/mlm
19) T n-Tetratriacontane (C34)	19.186	2313071	21.403 ug/mlm
20) T n-Hexatriacontane (C36)	19.926	2178758	21.764 ug/mlm
21) T n-Octatriacontane (C38)	20.638	2009936	20.997 ug/ml
22) T n-Tetracontane (C40)	21.495	1904990	21.226 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : UA/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

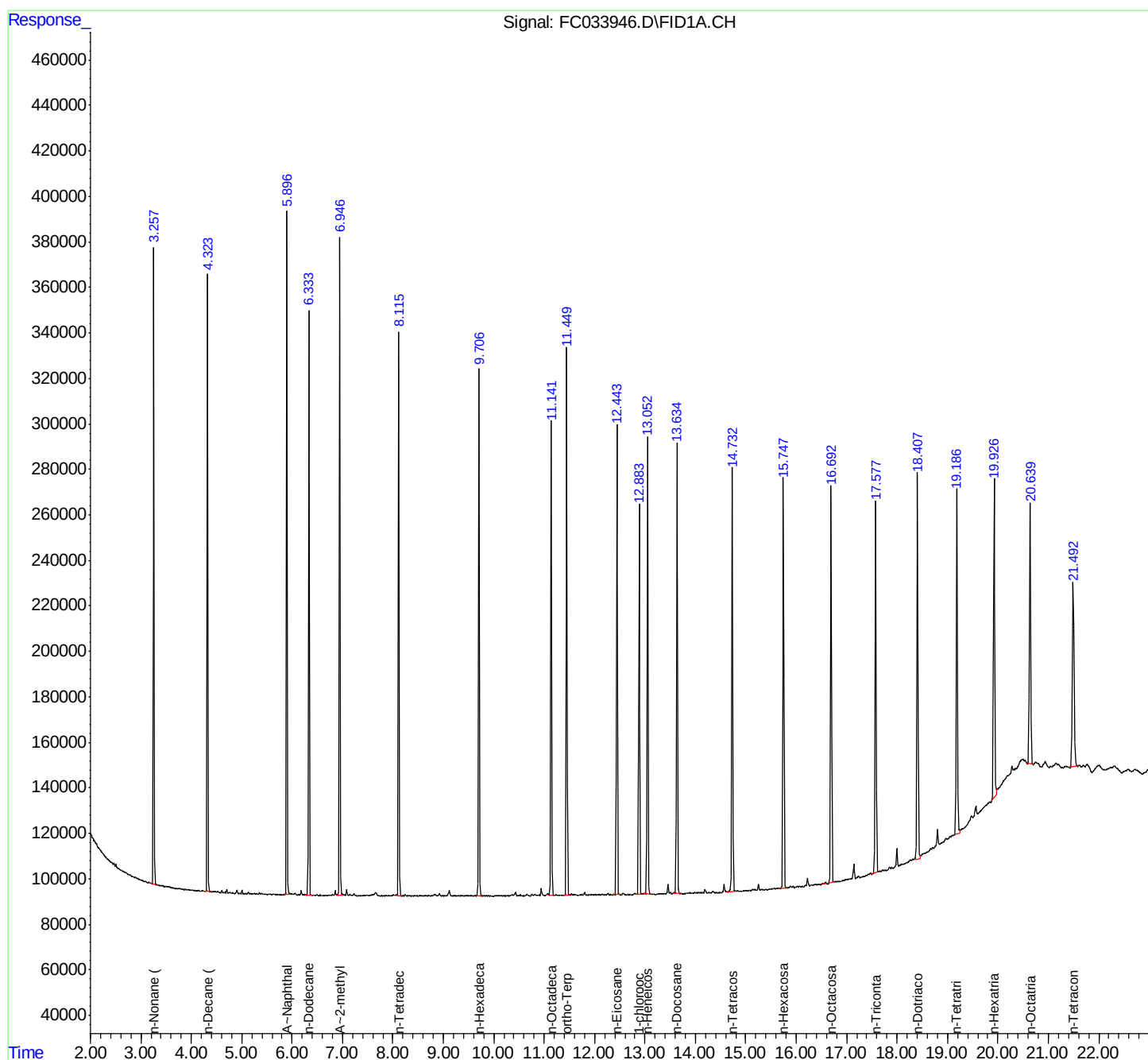
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

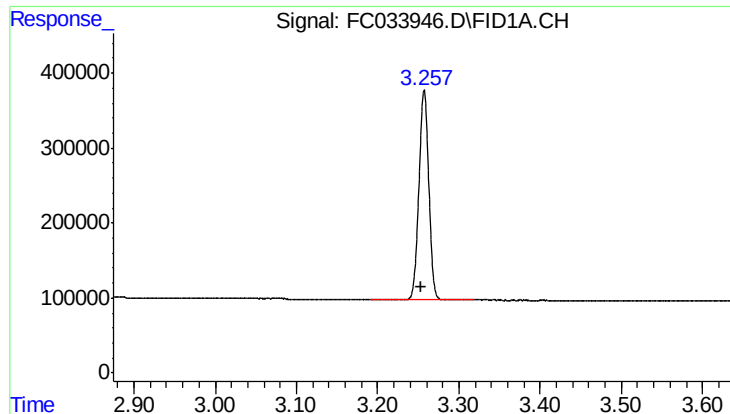
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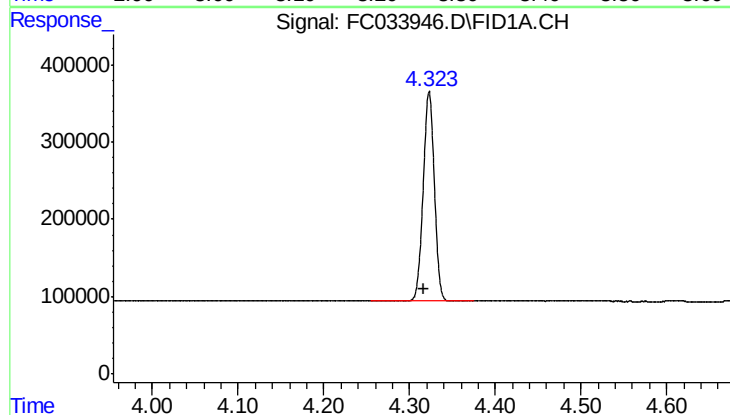
#1 n-Nonane (C9)

R.T.: 3.257 min
Delta R.T.: 0.004 min
Response: 2354687
Conc: 17.25 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

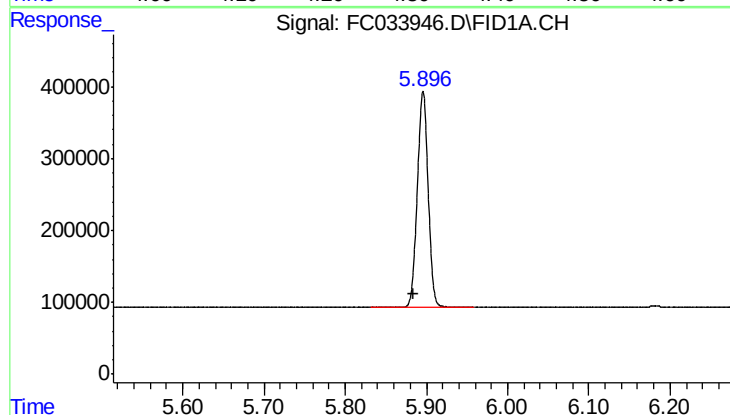
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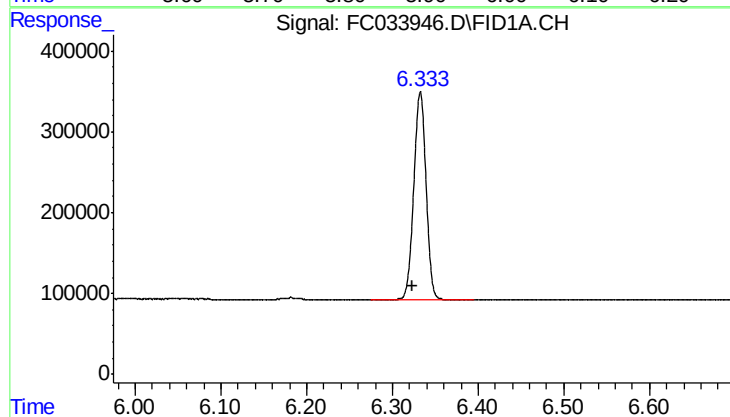
#2 n-Decane (C10)

R.T.: 4.323 min
Delta R.T.: 0.006 min
Response: 2458488
Conc: 17.69 ug/ml



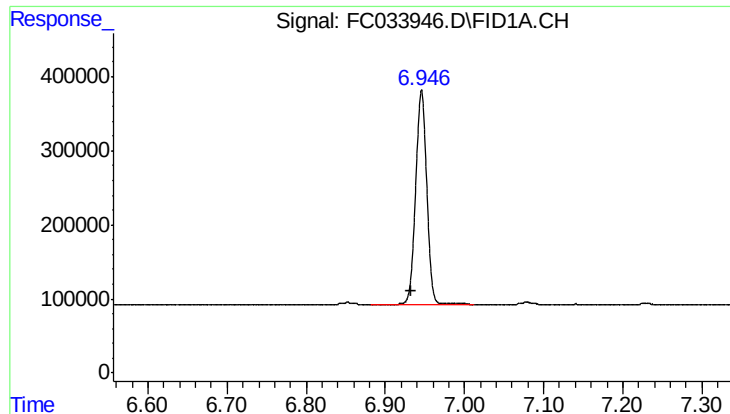
#3 A-Naphthalene (C11.7)

R.T.: 5.896 min
Delta R.T.: 0.012 min
Response: 2784350
Conc: 17.95 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.333 min
Delta R.T.: 0.010 min
Response: 2529439
Conc: 17.61 ug/ml



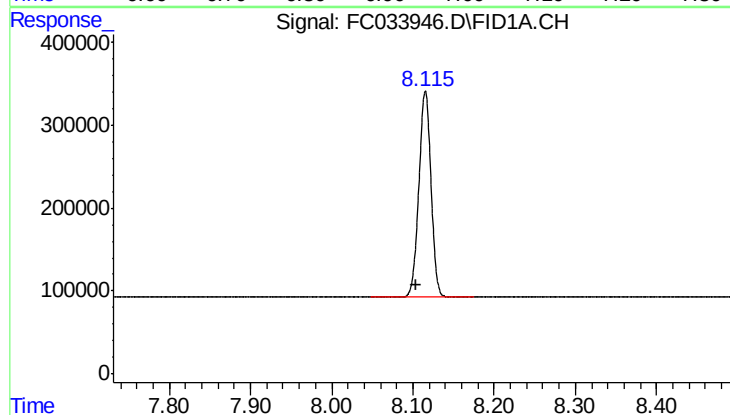
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.946 min
Delta R.T.: 0.013 min
Response: 2808258
Conc: 17.91 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

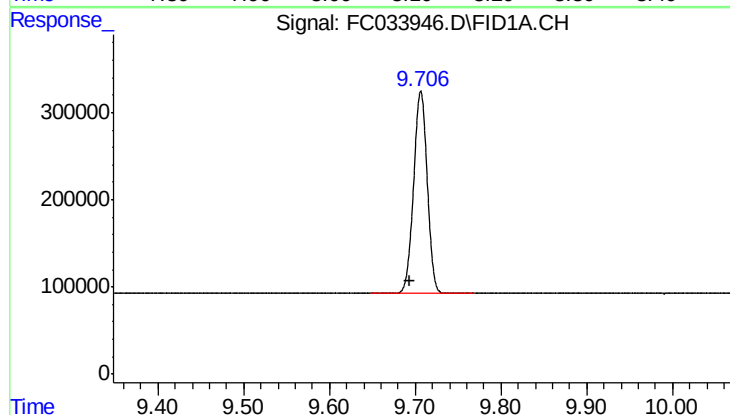
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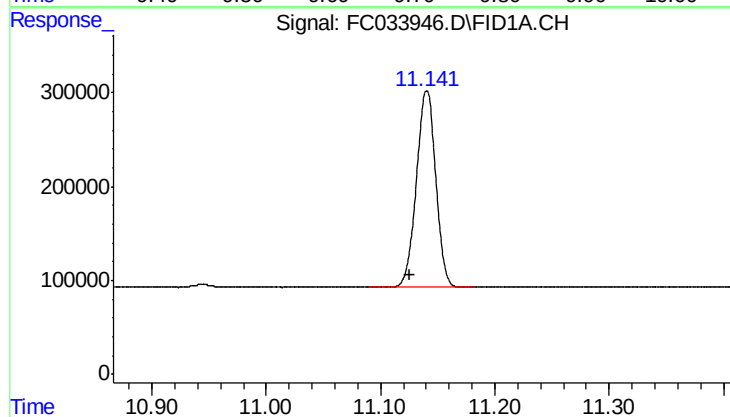
#6 n-Tetradecane (C14)

R.T.: 8.115 min
Delta R.T.: 0.011 min
Response: 2574243
Conc: 17.22 ug/ml



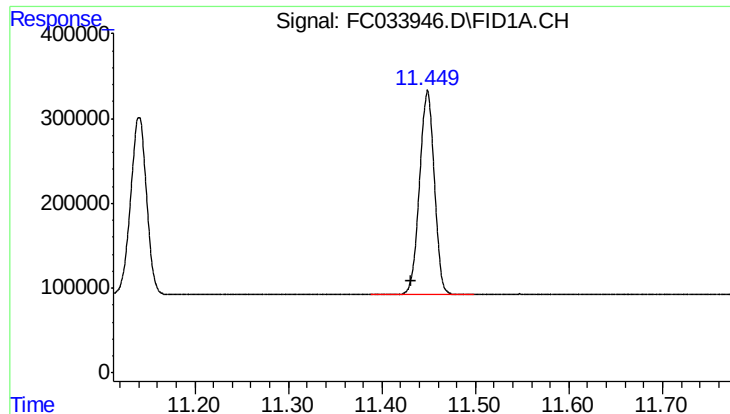
#7 n-Hexadecane (C16)

R.T.: 9.707 min
Delta R.T.: 0.012 min
Response: 2551815
Conc: 16.93 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.140 min
Delta R.T.: 0.015 min
Response: 2469341
Conc: 16.71 ug/ml



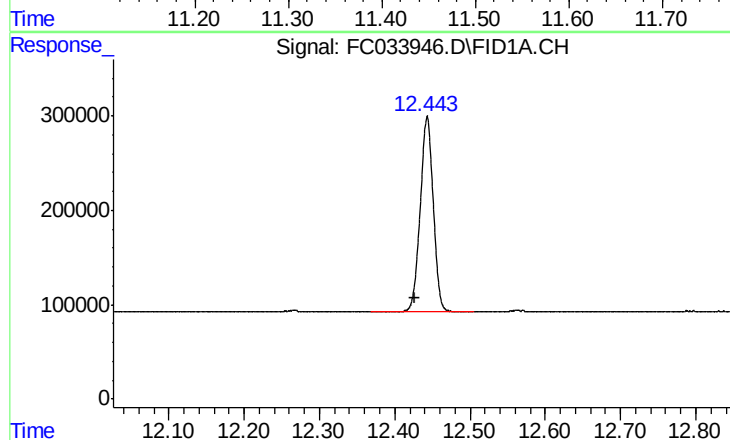
#9 ortho-Terphenyl (SURR)

R.T.: 11.449 min
Delta R.T.: 0.018 min
Response: 2634444
Conc: 16.96 ug/ml

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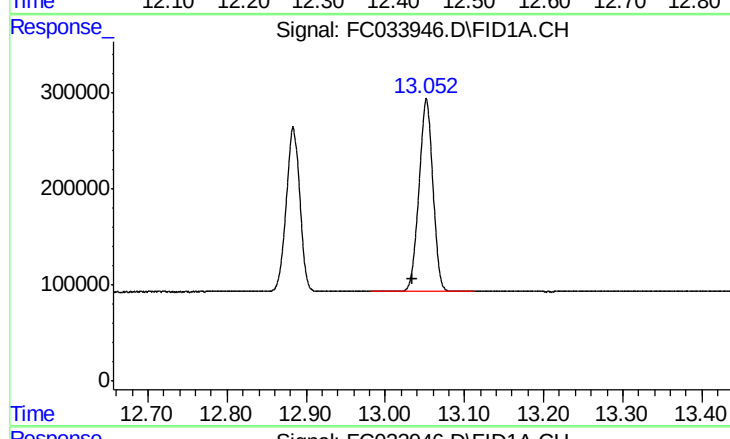
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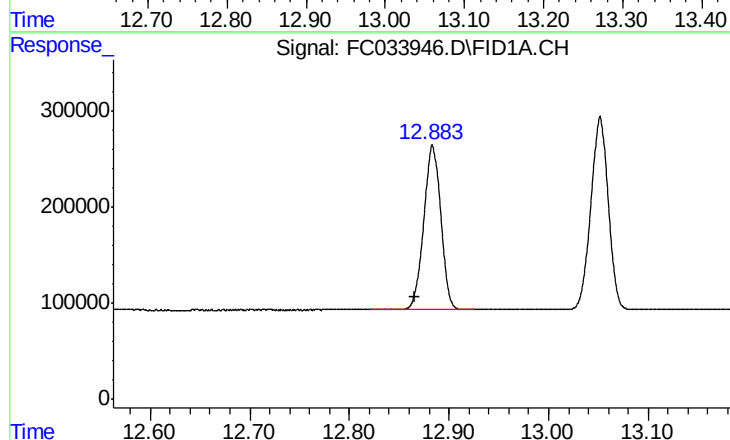
#10 n-Eicosane (C20)

R.T.: 12.443 min
Delta R.T.: 0.017 min
Response: 2468314
Conc: 16.80 ug/ml



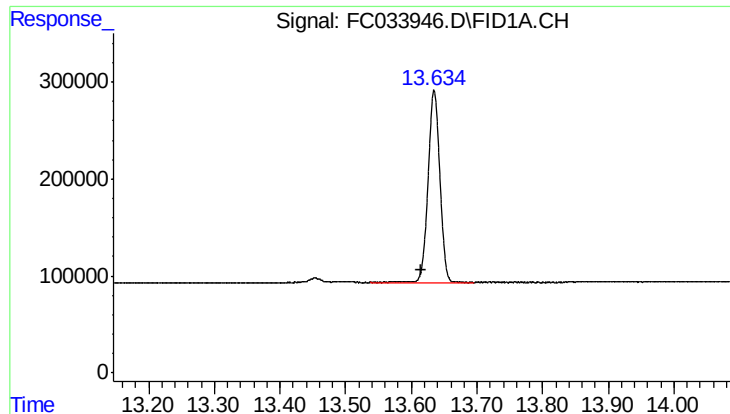
#11 n-Heneicosane (C21)

R.T.: 13.052 min
Delta R.T.: 0.018 min
Response: 2439256
Conc: 16.92 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.884 min
Delta R.T.: 0.019 min
Response: 2041344
Conc: 17.38 ug/ml



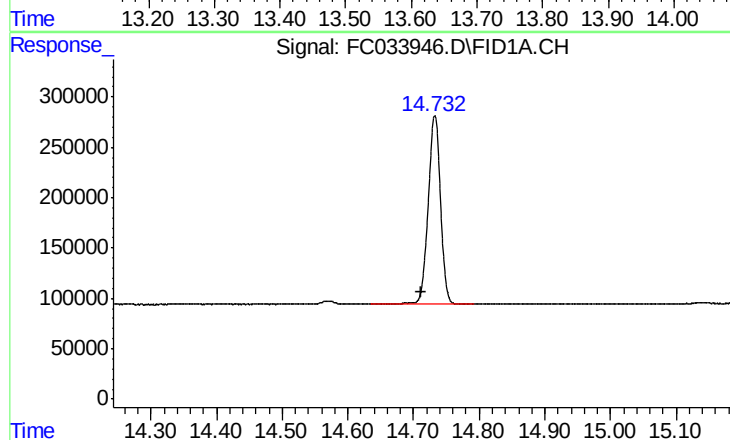
#13 n-Docosane (C22)

R.T.: 13.635 min
Delta R.T.: 0.019 min
Response: 2456993
Conc: 17.24 ug/ml

Instrument :
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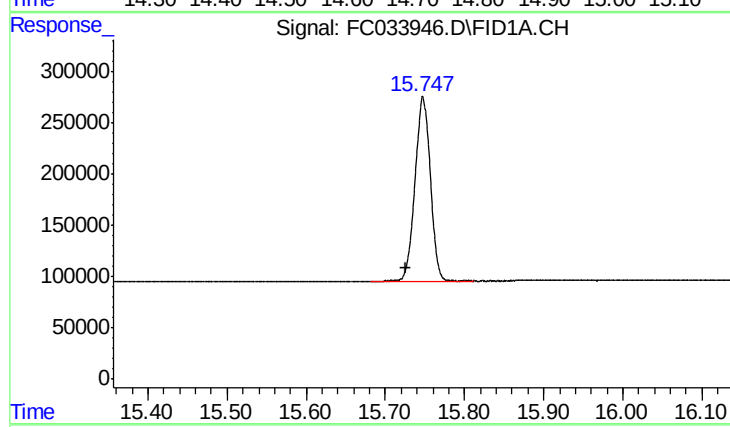
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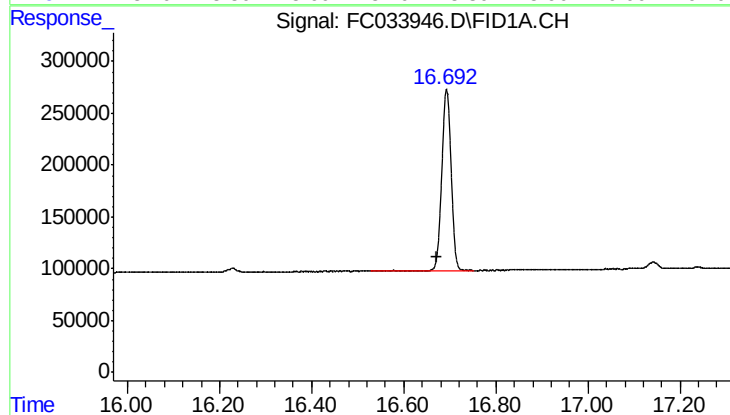
#14 n-Tetracosane (C24)

R.T.: 14.733 min
Delta R.T.: 0.020 min
Response: 2434699
Conc: 17.74 ug/ml



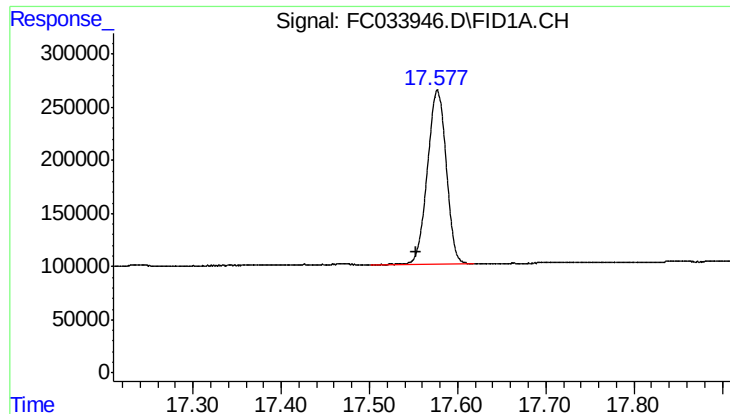
#15 n-Hexacosane (C26)

R.T.: 15.748 min
Delta R.T.: 0.022 min
Response: 2413063
Conc: 18.45 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.693 min
Delta R.T.: 0.021 min
Response: 2460487
Conc: 19.27 ug/ml



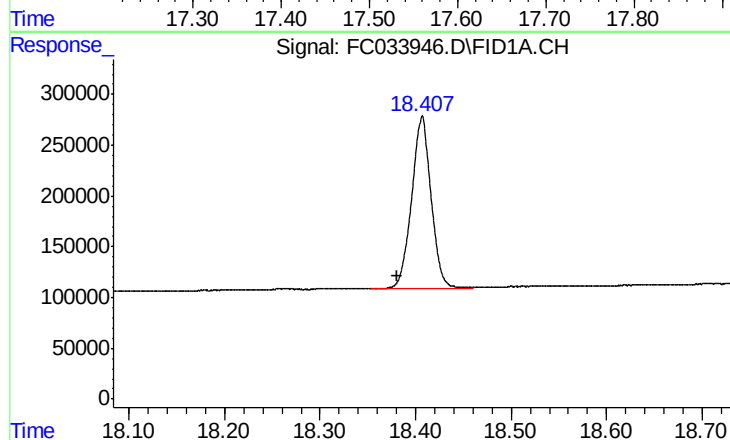
#17 n-Tricontane (C30)

R.T.: 17.577 min
Delta R.T.: 0.024 min
Response: 2408816
Conc: 19.99 ug/ml

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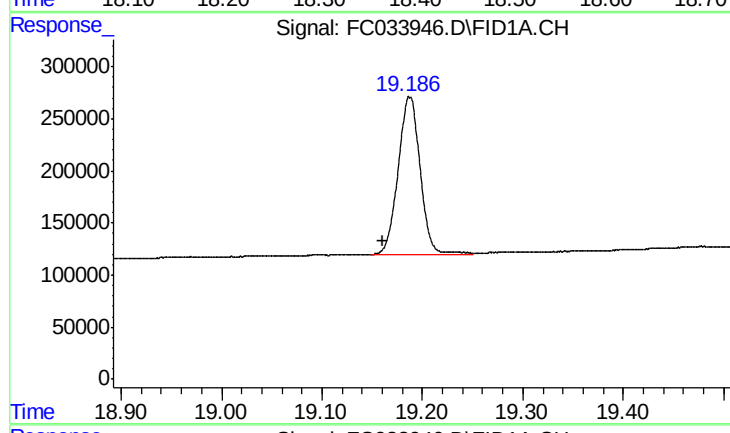
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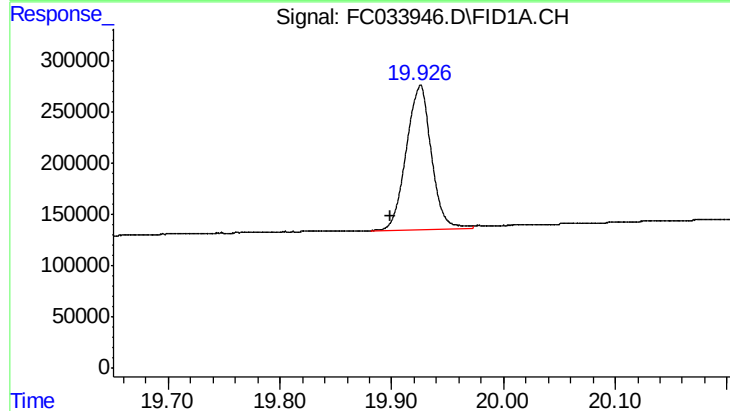
#18 n-Dotriacontane (C32)

R.T.: 18.407 min
Delta R.T.: 0.026 min
Response: 2436573
Conc: 20.93 ug/ml m



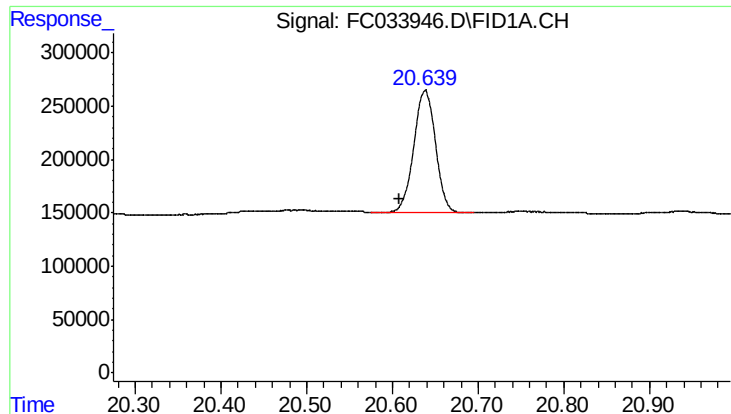
#19 n-Tetratriacontane (C34)

R.T.: 19.186 min
Delta R.T.: 0.025 min
Response: 2313071
Conc: 21.40 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.926 min
Delta R.T.: 0.027 min
Response: 2178758
Conc: 21.76 ug/ml m



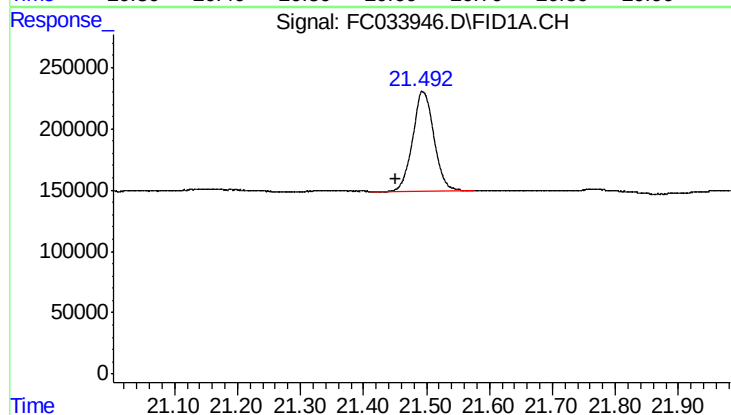
#21 n-Octatriacontane (C38)

R.T.: 20.638 min
Delta R.T.: 0.030 min
Response: 2009936
Conc: 21.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.495 min
Delta R.T.: 0.043 min
Response: 1904990
Conc: 21.23 ug/ml