

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122619AL\
 Data File : FC045061.D
 Signal(s) : FID1A.CH
 Acq On : 26 Dec 2019 10:11
 Operator : DD\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

mohammad
 12/27/2019 9:47:14 AM

Integration File: autoint1.e
 Quant Time: Dec 27 02:50:24 2019
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 122319.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 03:02:13 2019
 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)	11.762	2372435	20.918 ug/ml
Spiked Amount 50.000		Recovery =	41.84%
12) S 1-chlorooctadecane (S...	13.185	1859661	20.856 ug/ml
Spiked Amount 50.000		Recovery =	41.71%
Target Compounds			
1) T n-Nonane (C9)	3.511	2121430	21.068 ug/ml
2) T n-Decane (C10)	4.584	2136176	21.175 ug/ml
3) T A~Naphthalene (C11.7)	6.185	2381863	21.256 ug/ml
4) T n-Dodecane (C12)	6.602	2169536	21.315 ug/ml
5) T A~2-methylnaphthalene...	7.240	2405949	21.345 ug/ml
6) T n-Tetradecane (C14)	8.393	2181761	21.406 ug/ml
7) T n-Hexadecane (C16)	9.992	2197240	21.342 ug/ml
8) T n-Octadecane (C18)	11.431	2207872	21.230 ug/ml
10) T n-Eicosane (C20)	12.738	2200217	21.030 ug/ml
11) T n-Heneicosane (C21)	13.350	2211627	20.912 ug/ml
13) T n-Docosane (C22)	13.935	2190260	20.715 ug/ml
14) T n-Tetracosane (C24)	15.037	2170905	20.319 ug/ml
15) T n-Hexacosane (C26)	16.055	2104507	19.733 ug/ml
16) T n-Octacosane (C28)	17.003	2022236	19.148 ug/ml
17) T n-Tricontane (C30)	17.889	1886674	18.508 ug/ml
18) T n-Dotriacontane (C32)	18.717	1554230	17.966 ug/ml
19) T n-Tetratriacontane (C34)	19.500	1310038	17.883 ug/ml
20) T n-Hexatriacontane (C36)	20.237	1158921	17.635 ug/mlm
21) T n-Octatriacontane (C38)	21.011	1226013	20.758 ug/ml
22) T n-Tetracontane (C40)	21.978	1174932	19.867 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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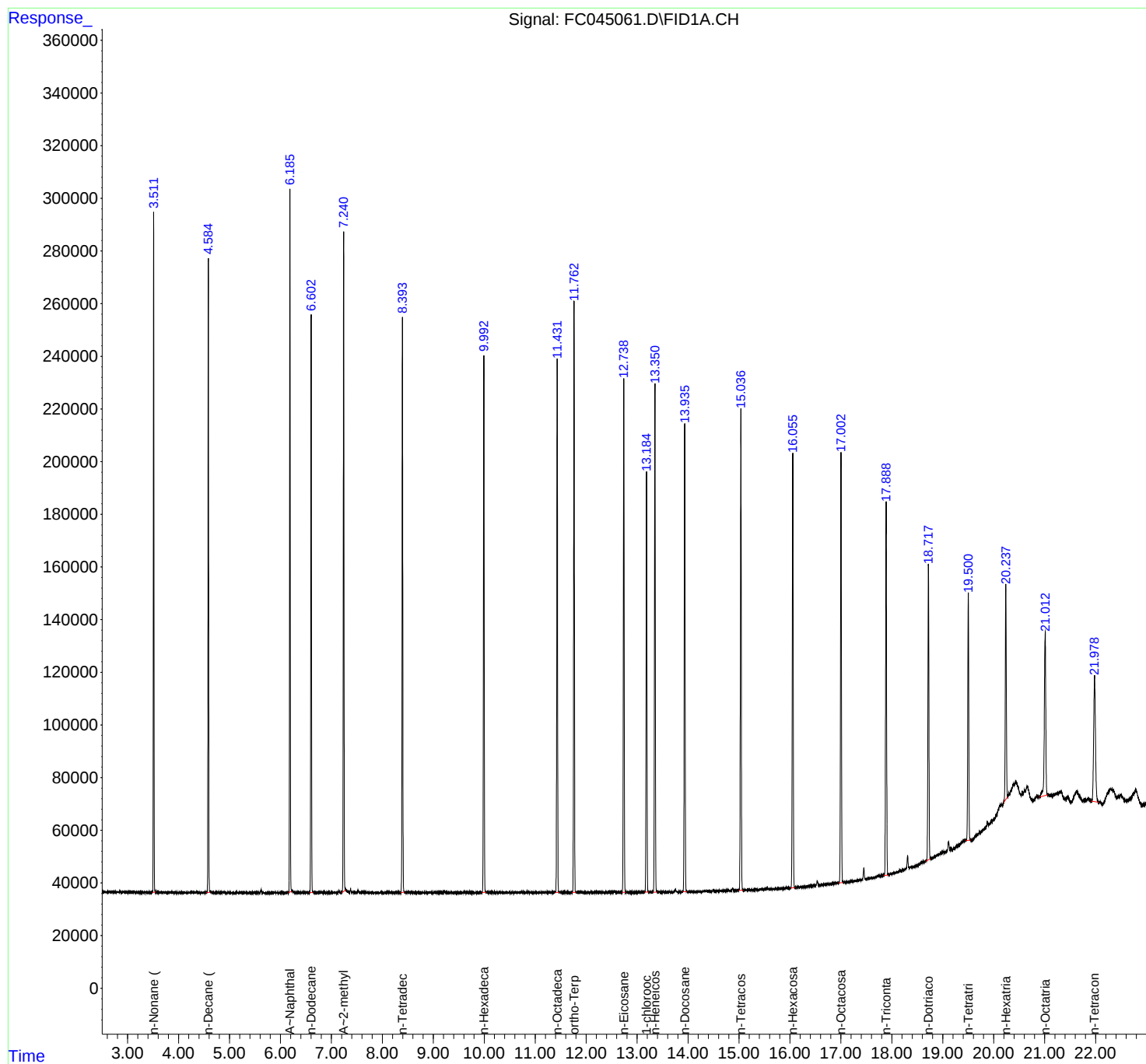
Instrument :
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20 PPM ALIPHATIC HC STD

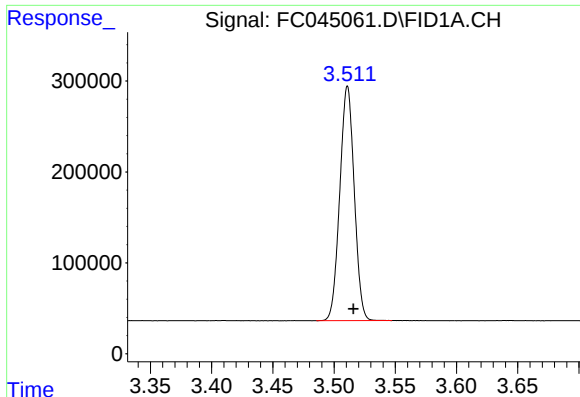
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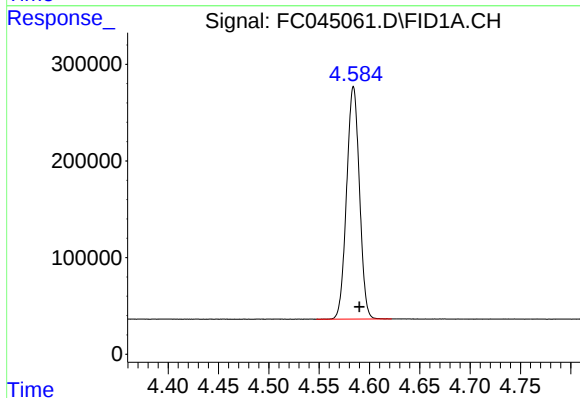
#1 n-Nonane (C9)

R.T.: 3.511 min
Delta R.T.: -0.005 min
Response: 2121430
Conc: 21.07 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

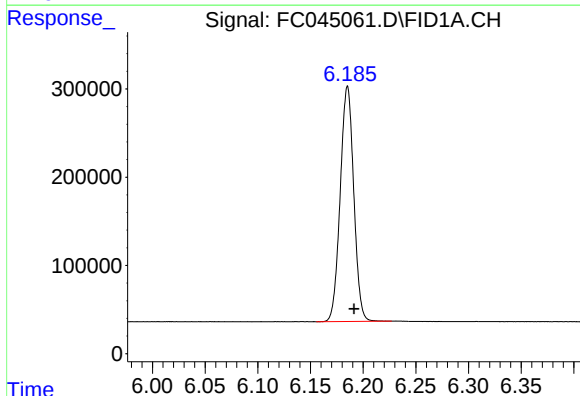
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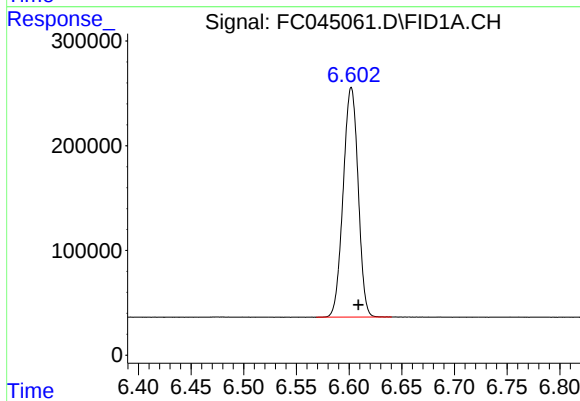
#2 n-Decane (C10)

R.T.: 4.584 min
Delta R.T.: -0.006 min
Response: 2136176
Conc: 21.18 ug/ml



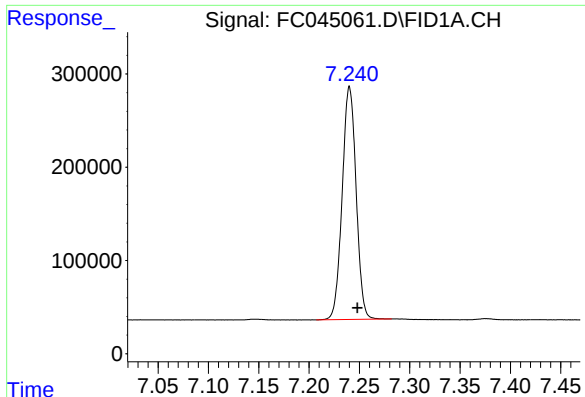
#3 A~Naphthalene (C11.7)

R.T.: 6.185 min
Delta R.T.: -0.006 min
Response: 2381863
Conc: 21.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.602 min
Delta R.T.: -0.007 min
Response: 2169536
Conc: 21.31 ug/ml



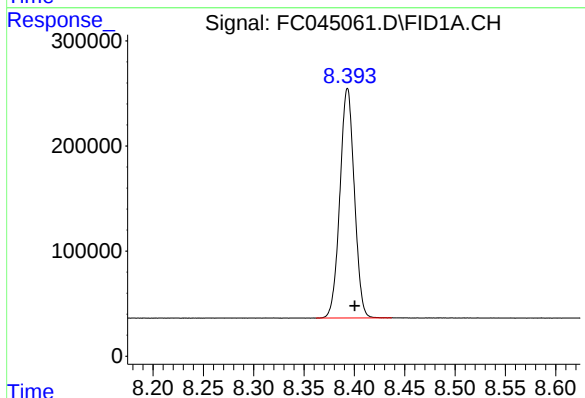
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.240 min
Delta R.T.: -0.008 min
Response: 2405949
Conc: 21.35 ug/ml

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20 PPM ALIPHATIC HC STD

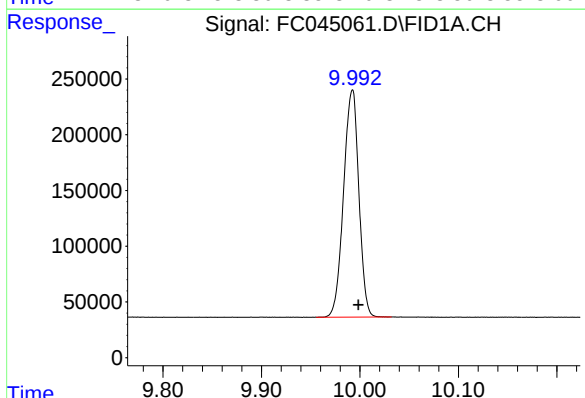
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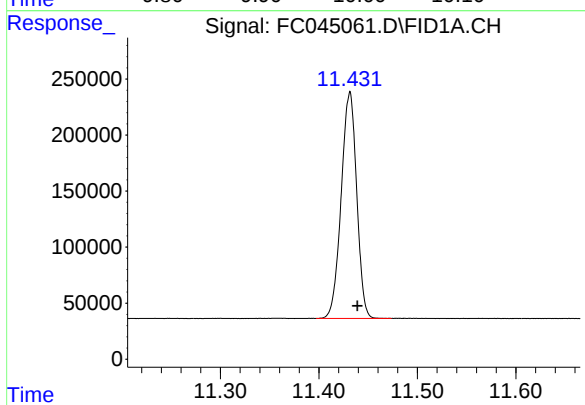
#6 n-Tetradecane (C14)

R.T.: 8.393 min
Delta R.T.: -0.007 min
Response: 2181761
Conc: 21.41 ug/ml



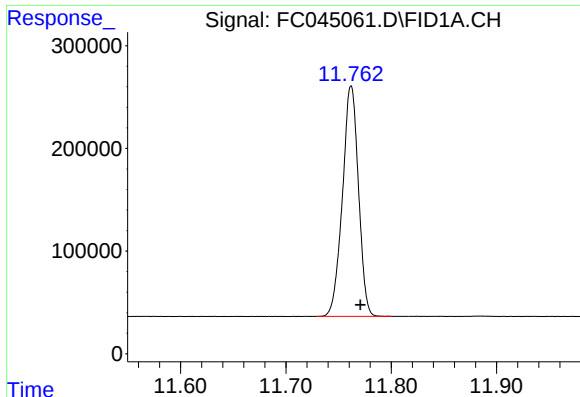
#7 n-Hexadecane (C16)

R.T.: 9.992 min
Delta R.T.: -0.006 min
Response: 2197240
Conc: 21.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.431 min
Delta R.T.: -0.008 min
Response: 2207872
Conc: 21.23 ug/ml



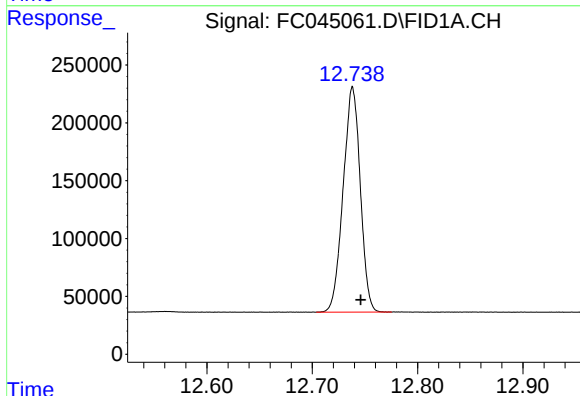
#9 ortho-Terphenyl (SURR)

R.T.: 11.762 min
Delta R.T.: -0.009 min
Response: 2372435
Conc: 20.92 ug/ml

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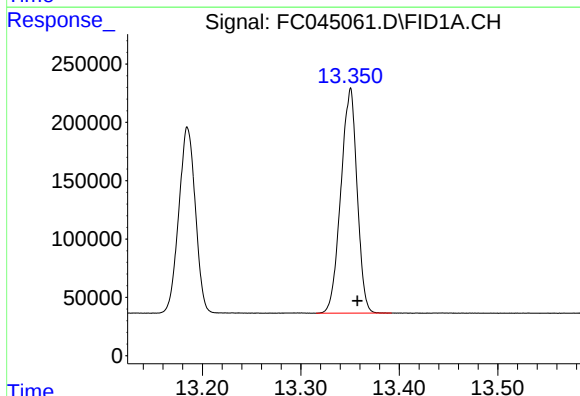
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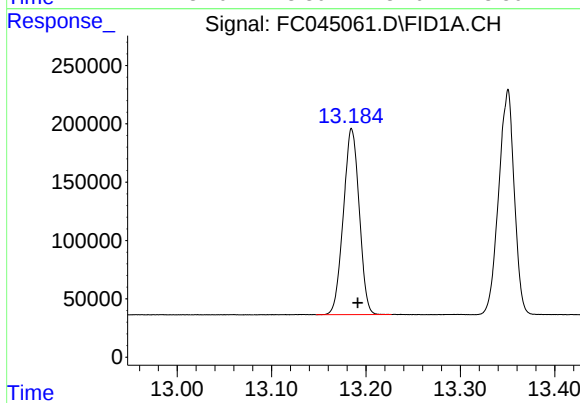
#10 n-Eicosane (C20)

R.T.: 12.738 min
Delta R.T.: -0.008 min
Response: 2200217
Conc: 21.03 ug/ml



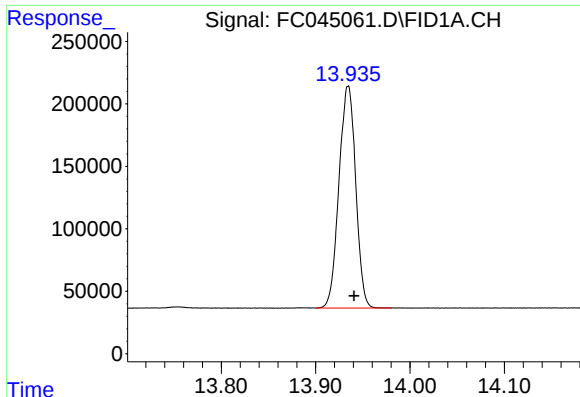
#11 n-Heneicosane (C21)

R.T.: 13.350 min
Delta R.T.: -0.007 min
Response: 2211627
Conc: 20.91 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.185 min
Delta R.T.: -0.007 min
Response: 1859661
Conc: 20.86 ug/ml



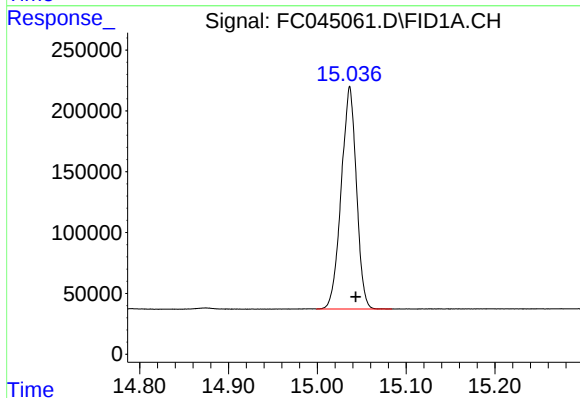
#13 n-Docosane (C22)

R.T.: 13.935 min
Delta R.T.: -0.006 min
Response: 2190260
Conc: 20.72 ug/ml

Instrument :
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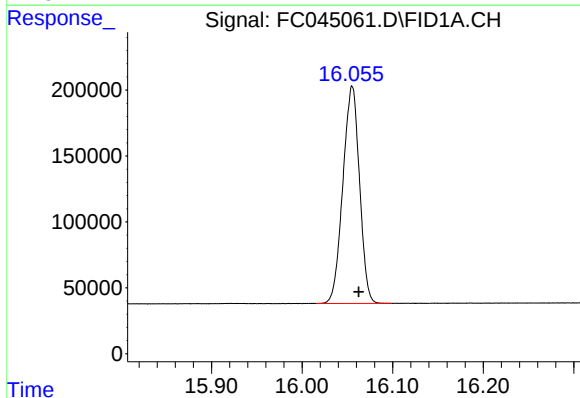
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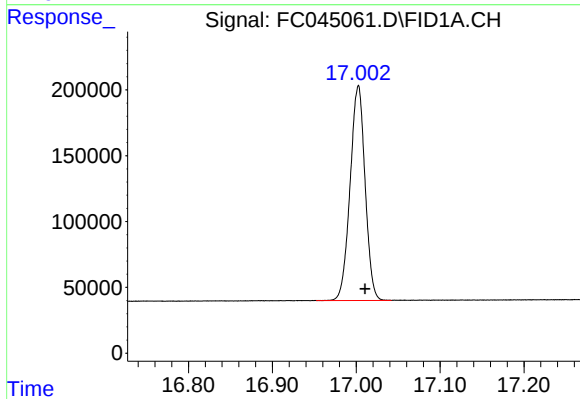
#14 n-Tetracosane (C24)

R.T.: 15.037 min
Delta R.T.: -0.007 min
Response: 2170905
Conc: 20.32 ug/ml



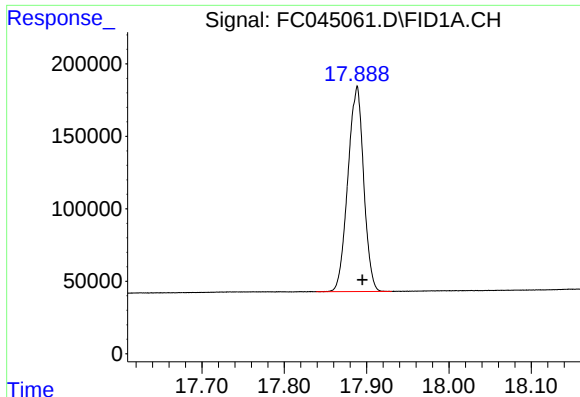
#15 n-Hexacosane (C26)

R.T.: 16.055 min
Delta R.T.: -0.007 min
Response: 2104507
Conc: 19.73 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.003 min
Delta R.T.: -0.008 min
Response: 2022236
Conc: 19.15 ug/ml



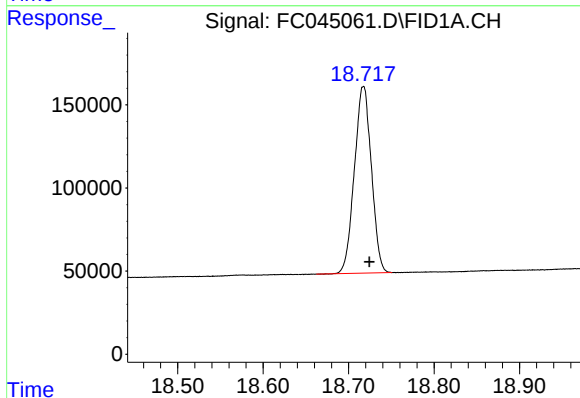
#17 n-Tricontane (C30)

R.T.: 17.889 min
Delta R.T.: -0.007 min
Response: 1886674
Conc: 18.51 ug/ml

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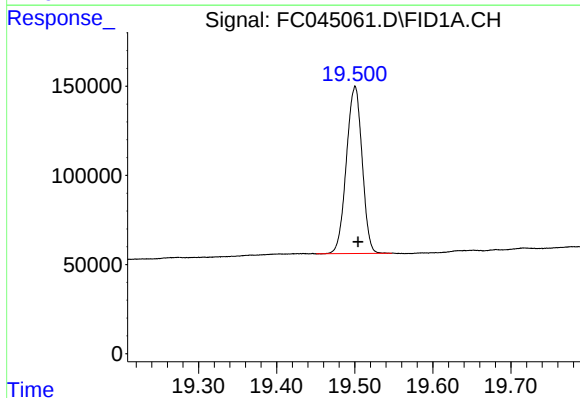
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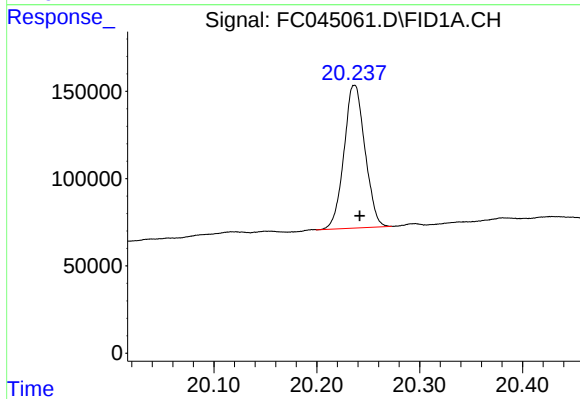
#18 n-Dotriacontane (C32)

R.T.: 18.717 min
Delta R.T.: -0.007 min
Response: 1554230
Conc: 17.97 ug/ml



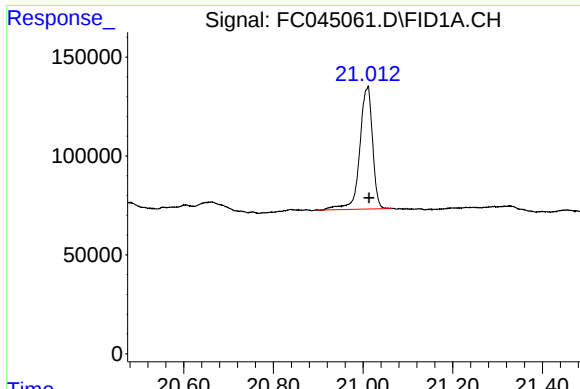
#19 n-Tetratriacontane (C34)

R.T.: 19.500 min
Delta R.T.: -0.004 min
Response: 1310038
Conc: 17.88 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.237 min
Delta R.T.: -0.005 min
Response: 1158921
Conc: 17.64 ug/ml m



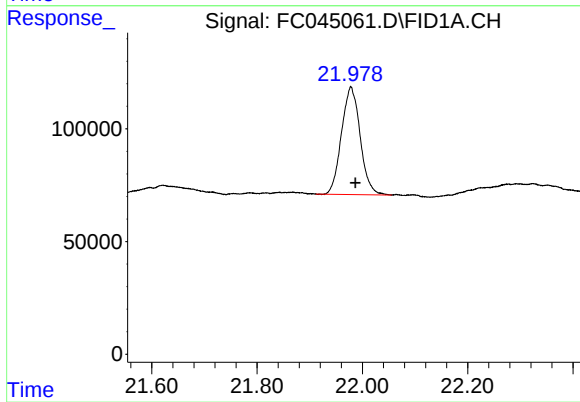
#21 n-Octatriacontane (C38)

R.T.: 21.011 min
Delta R.T.: -0.002 min
Response: 1226013
Conc: 20.76 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.978 min
Delta R.T.: -0.008 min
Response: 1174932
Conc: 19.87 ug/ml