

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030821AL\
 Data File : FC052321.D
 Signal(s) : FID1A.CH
 Acq On : 09 Mar 2021 5:08
 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

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 3/9/2021 2:04:49 PM

Integration File: autoint1.e
 Quant Time: Mar 09 05:36:13 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 030321.M
 Quant Title : GC Extractables
 QLast Update : Thu Mar 04 03:56:17 2021
 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)	11.610	2474738	18.766 ug/ml
Spiked Amount 50.000		Recovery =	37.53%
12) S 1-chlorooctadecane (S...	13.048	1930706	18.565 ug/ml
Spiked Amount 50.000		Recovery =	37.13%
Target Compounds			
1) T n-Nonane (C9)	3.352	2355696	19.985 ug/ml
2) T n-Decane (C10)	4.421	2380105	20.040 ug/ml
3) T A~Naphthalene (C11.7)	6.011	2661018	20.041 ug/ml
4) T n-Dodecane (C12)	6.444	2416285	19.988 ug/ml
5) T A~2-methylnaphthalene...	7.071	2707675	19.948 ug/ml
6) T n-Tetradecane (C14)	8.243	2403398	19.823 ug/ml
7) T n-Hexadecane (C16)	9.847	2338676	19.546 ug/ml
8) T n-Octadecane (C18)	11.291	2385149	19.268 ug/ml
10) T n-Eicosane (C20)	12.603	2326320	18.880 ug/ml
11) T n-Heneicosane (C21)	13.215	2278712	18.667 ug/ml
13) T n-Docosane (C22)	13.802	2219829	18.449 ug/ml
14) T n-Tetracosane (C24)	14.905	2102313	18.033 ug/ml
15) T n-Hexacosane (C26)	15.927	1962286	17.863 ug/ml
16) T n-Octacosane (C28)	16.876	1843675	17.987 ug/ml
17) T n-Tricontane (C30)	17.766	1758919	18.684 ug/ml
18) T n-Dotriacontane (C32)	18.598	1687438	19.763 ug/ml
19) T n-Tetratriacontane (C34)	19.381	1639410	21.146 ug/ml
20) T n-Hexatriacontane (C36)	20.119	1606498	22.357 ug/mlm
21) T n-Octatriacontane (C38)	20.865	1557317	22.734 ug/ml
22) T n-Tetracontane (C40)	21.786	1631339	22.686 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

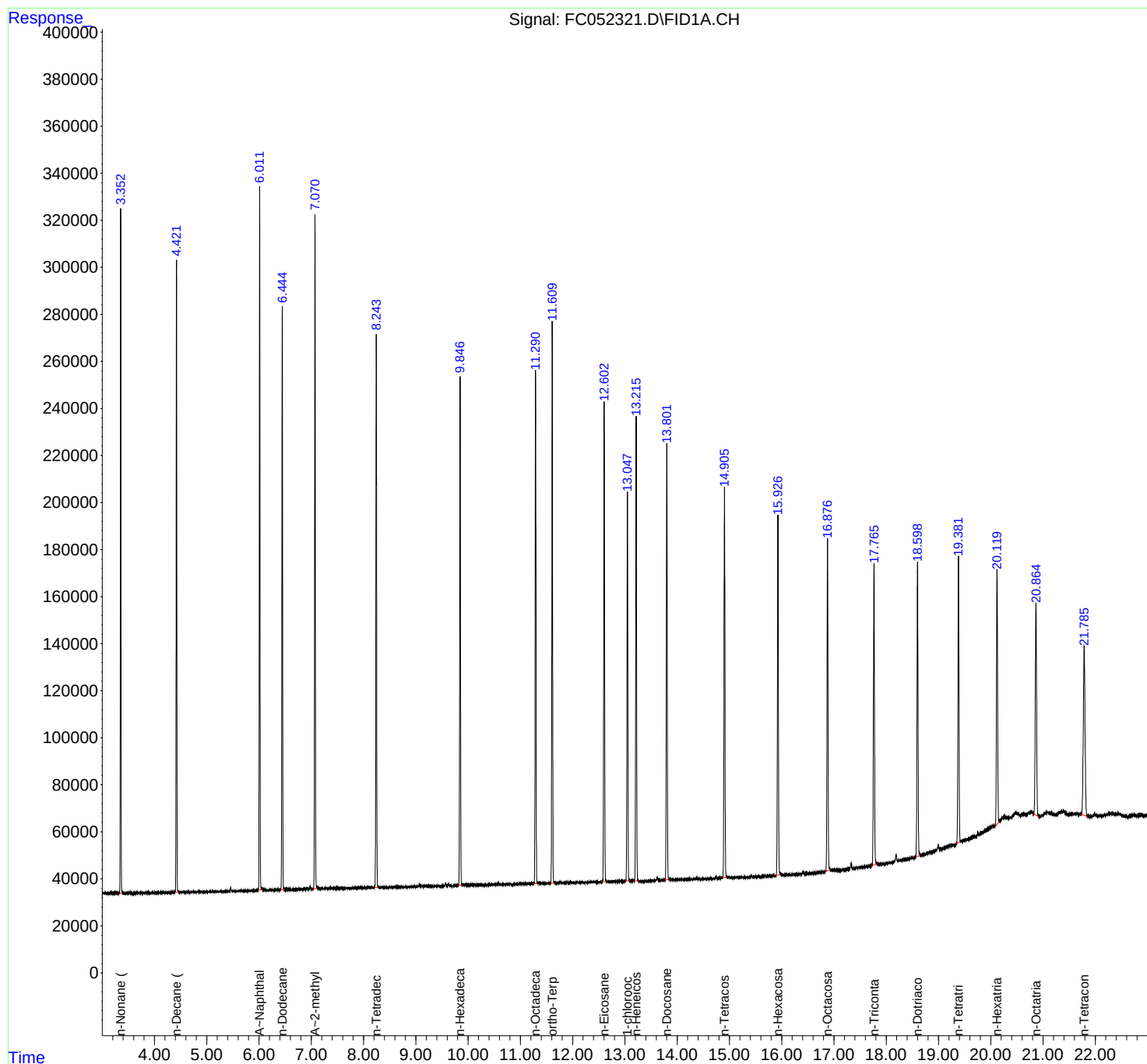
Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

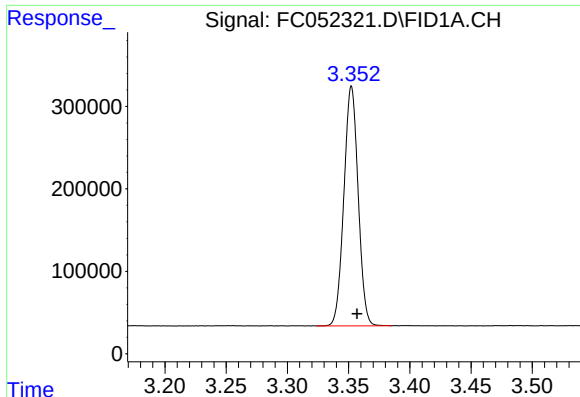
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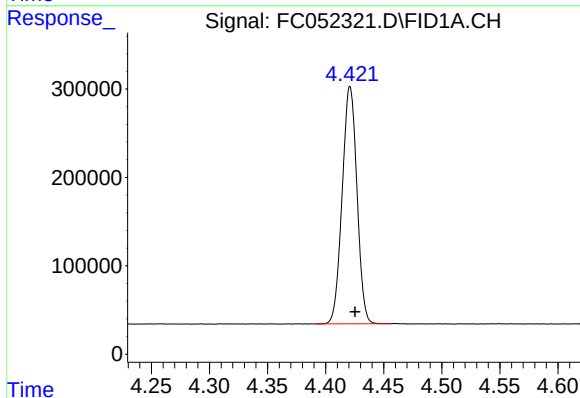
#1 n-Nonane (C9)

R.T.: 3.352 min
Delta R.T.: -0.005 min
Response: 2355696
Conc: 19.98 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

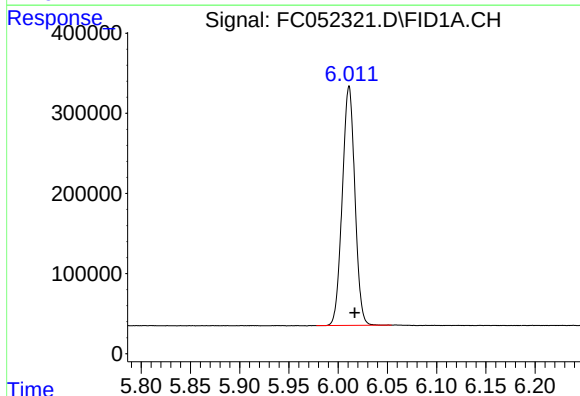
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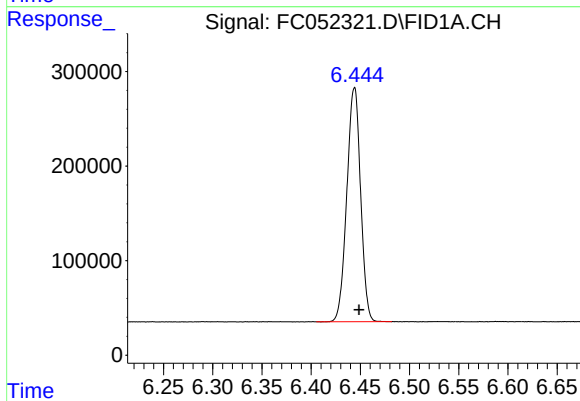
#2 n-Decane (C10)

R.T.: 4.421 min
Delta R.T.: -0.004 min
Response: 2380105
Conc: 20.04 ug/ml



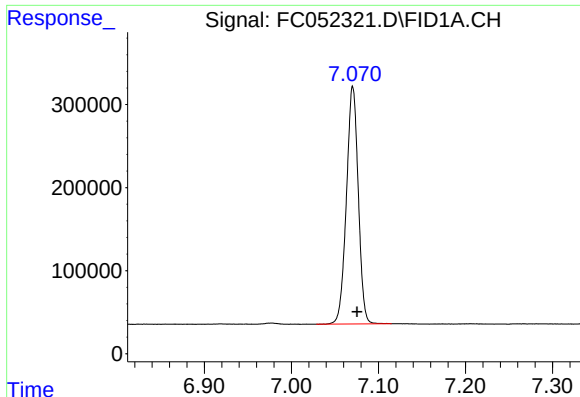
#3 A~Naphthalene (C11.7)

R.T.: 6.011 min
Delta R.T.: -0.006 min
Response: 2661018
Conc: 20.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.444 min
Delta R.T.: -0.005 min
Response: 2416285
Conc: 19.99 ug/ml



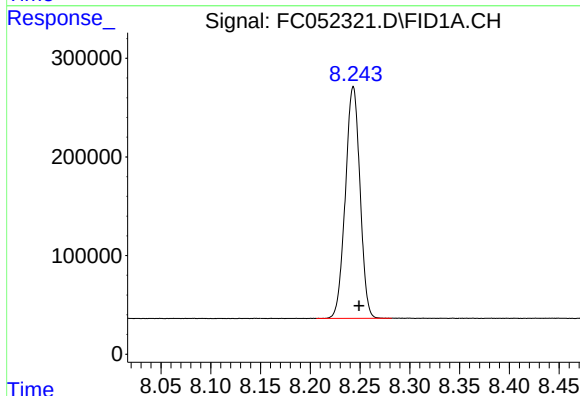
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.071 min
Delta R.T.: -0.005 min
Response: 2707675
Conc: 19.95 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

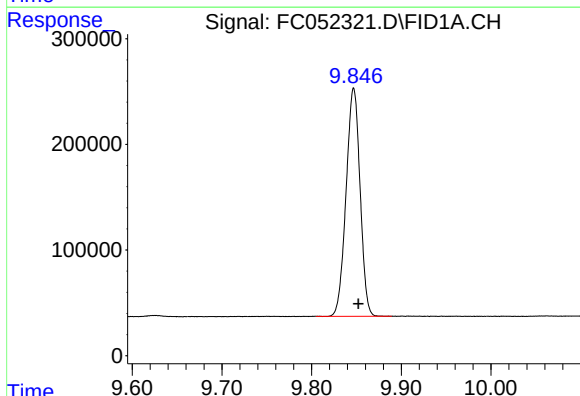
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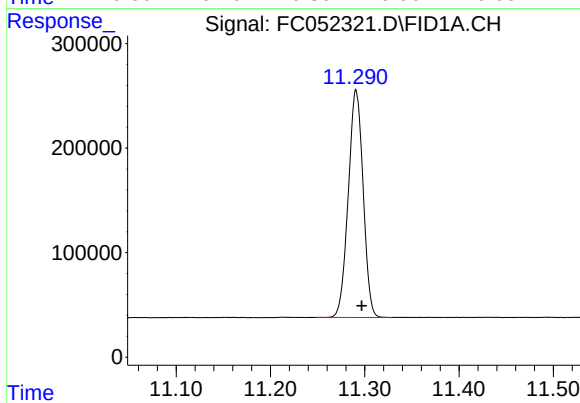
#6 n-Tetradecane (C14)

R.T.: 8.243 min
Delta R.T.: -0.006 min
Response: 2403398
Conc: 19.82 ug/ml



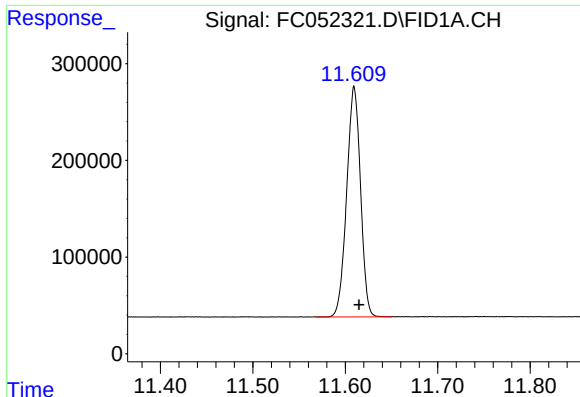
#7 n-Hexadecane (C16)

R.T.: 9.847 min
Delta R.T.: -0.005 min
Response: 2338676
Conc: 19.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.291 min
Delta R.T.: -0.006 min
Response: 2385149
Conc: 19.27 ug/ml



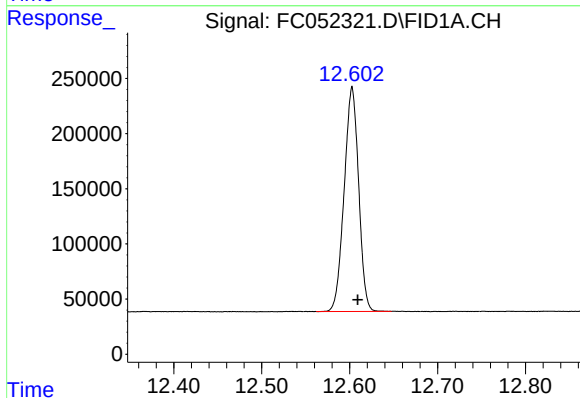
#9 ortho-Terphenyl (SURR)

R.T.: 11.610 min
Delta R.T.: -0.005 min
Response: 2474738
Conc: 18.77 ug/ml

Instrument :
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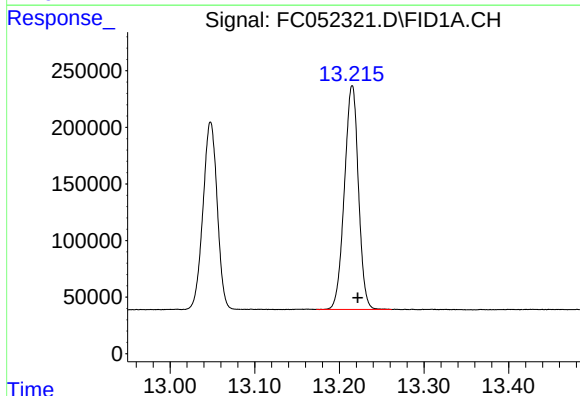
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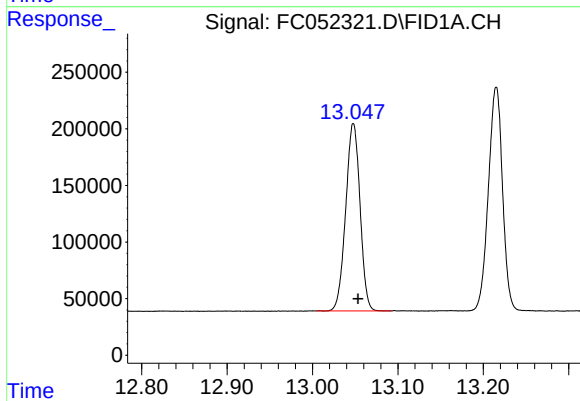
#10 n-Eicosane (C20)

R.T.: 12.603 min
Delta R.T.: -0.006 min
Response: 2326320
Conc: 18.88 ug/ml



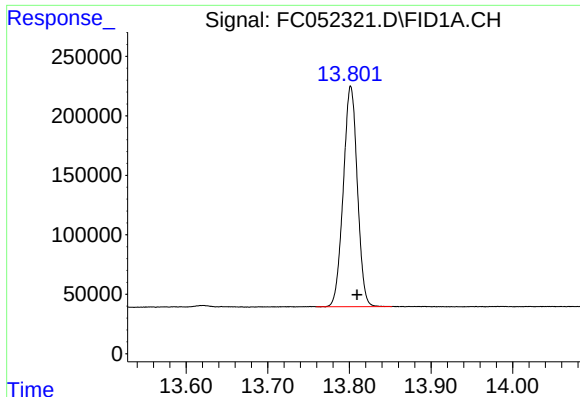
#11 n-Heneicosane (C21)

R.T.: 13.215 min
Delta R.T.: -0.006 min
Response: 2278712
Conc: 18.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.048 min
Delta R.T.: -0.006 min
Response: 1930706
Conc: 18.56 ug/ml



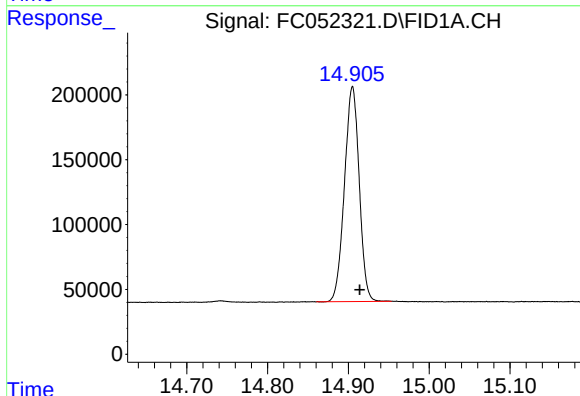
#13 n-Docosane (C22)

R.T.: 13.802 min
Delta R.T.: -0.008 min
Response: 2219829
Conc: 18.45 ug/ml

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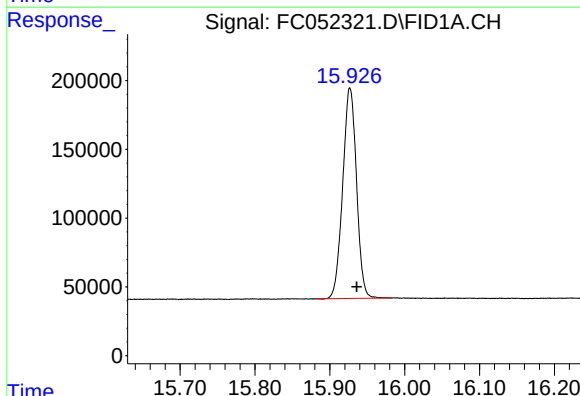
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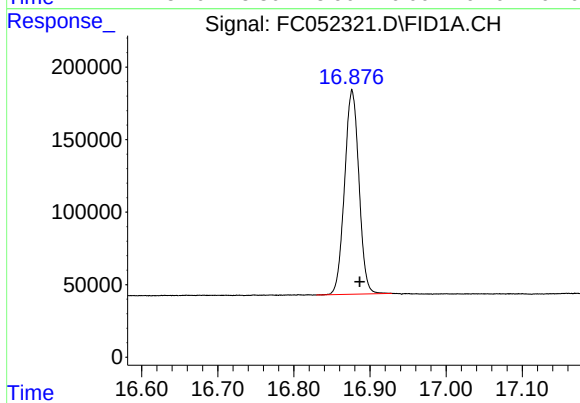
#14 n-Tetracosane (C24)

R.T.: 14.905 min
Delta R.T.: -0.009 min
Response: 2102313
Conc: 18.03 ug/ml



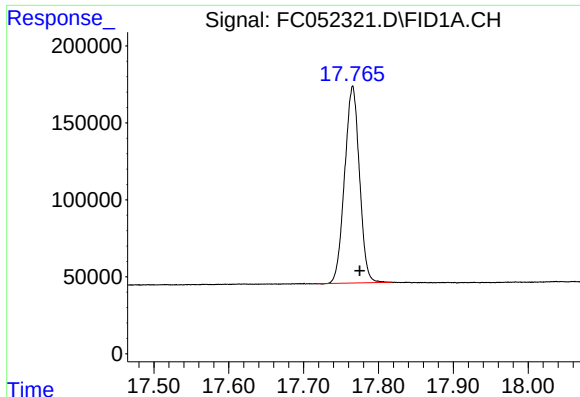
#15 n-Hexacosane (C26)

R.T.: 15.927 min
Delta R.T.: -0.009 min
Response: 1962286
Conc: 17.86 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.876 min
Delta R.T.: -0.010 min
Response: 1843675
Conc: 17.99 ug/ml



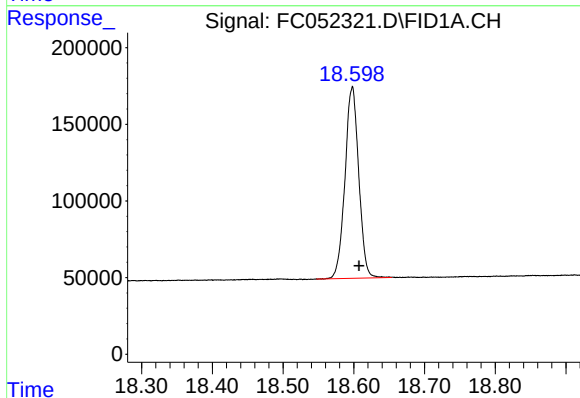
#17 n-Tricontane (C30)

R.T.: 17.766 min
Delta R.T.: -0.009 min
Response: 1758919
Conc: 18.68 ug/ml

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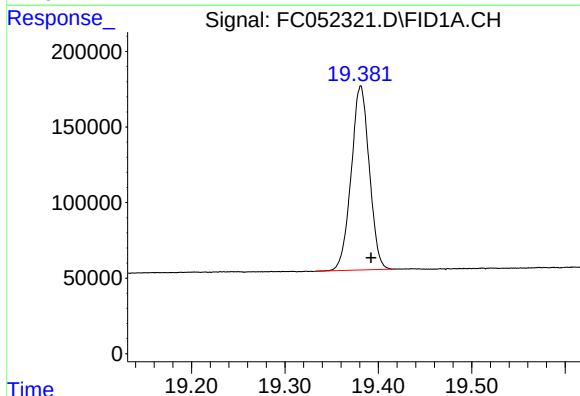
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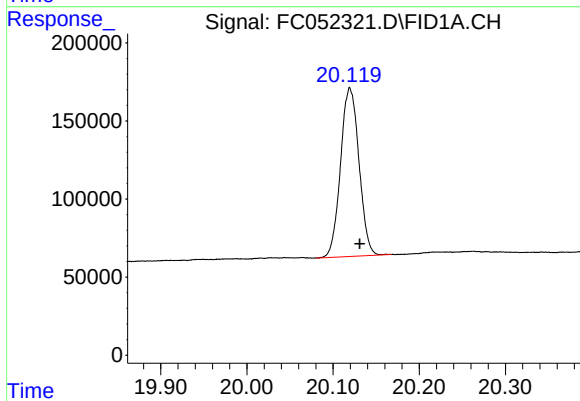
#18 n-Dotriacontane (C32)

R.T.: 18.598 min
Delta R.T.: -0.009 min
Response: 1687438
Conc: 19.76 ug/ml



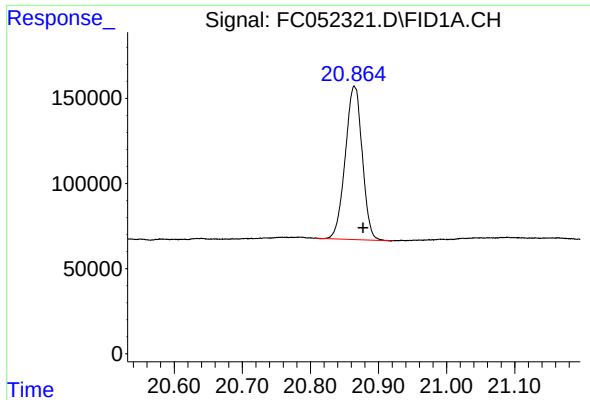
#19 n-Tetratriacontane (C34)

R.T.: 19.381 min
Delta R.T.: -0.011 min
Response: 1639410
Conc: 21.15 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.119 min
Delta R.T.: -0.012 min
Response: 1606498
Conc: 22.36 ug/ml m



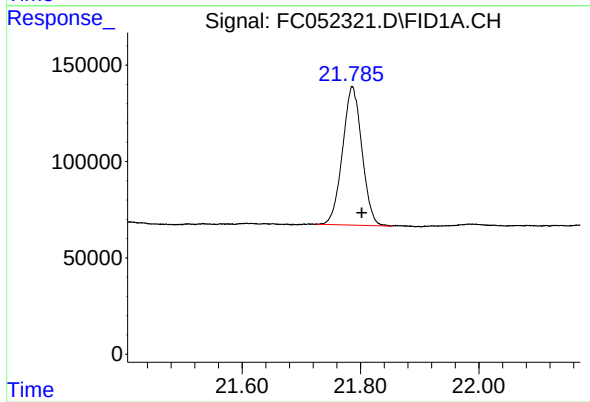
#21 n-Octatriacontane (C38)

R.T.: 20.865 min
Delta R.T.: -0.013 min
Response: 1557317
Conc: 22.73 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.786 min
Delta R.T.: -0.016 min
Response: 1631339
Conc: 22.69 ug/ml