

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC090320AL\
 Data File : FC049424.D
 Signal(s) : FID1A.CH
 Acq On : 04 Sep 2020 2:54
 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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 9/4/2020 2:38:56 PM

Integration File: autoint1.e
 Quant Time: Sep 04 04:21:19 2020
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 080720.M
 Quant Title : GC Extractables
 QLast Update : Sat Aug 08 02:38:47 2020
 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)	11.673	2507361	21.103 ug/ml
Spiked Amount 50.000		Recovery =	42.21%
12) S 1-chlorooctadecane (S...	13.106	2033780	20.906 ug/ml
Spiked Amount 50.000		Recovery =	41.81%
Target Compounds			
1) T n-Nonane (C9)	3.403	2165407	20.762 ug/ml
2) T n-Decane (C10)	4.479	2254211	21.492 ug/ml
3) T A~Naphthalene (C11.7)	6.079	2586601	21.871 ug/ml
4) T n-Dodecane (C12)	6.505	2328621	21.954 ug/ml
5) T A~2-methylnaphthalene...	7.138	2648043	21.963 ug/ml
6) T n-Tetradecane (C14)	8.304	2346044	22.278 ug/ml
7) T n-Hexadecane (C16)	9.907	2341563	22.308 ug/ml
8) T n-Octadecane (C18)	11.349	2433303	22.149 ug/ml
10) T n-Eicosane (C20)	12.660	2400623	21.572 ug/ml
11) T n-Heneicosane (C21)	13.272	2368174	21.200 ug/ml
13) T n-Docosane (C22)	13.858	2343638	20.851 ug/ml
14) T n-Tetracosane (C24)	14.961	2250239	19.793 ug/ml
15) T n-Hexacosane (C26)	15.981	2168503	18.952 ug/ml
16) T n-Octacosane (C28)	16.930	2137692	18.375 ug/ml
17) T n-Tricontane (C30)	17.817	2127949	18.408 ug/mlm
18) T n-Dotriacontane (C32)	18.649	2009220	18.582 ug/mlm
19) T n-Tetratriacontane (C34)	19.429	1908841	18.404 ug/mlm
20) T n-Hexatriacontane (C36)	20.168	1853931	18.646 ug/mlm
21) T n-Octatriacontane (C38)	20.923	1951986	20.643 ug/mlm
22) T n-Tetracontane (C40)	21.871	1865652	19.543 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD
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ALS Vial : 2 Sample Multiplier: 1

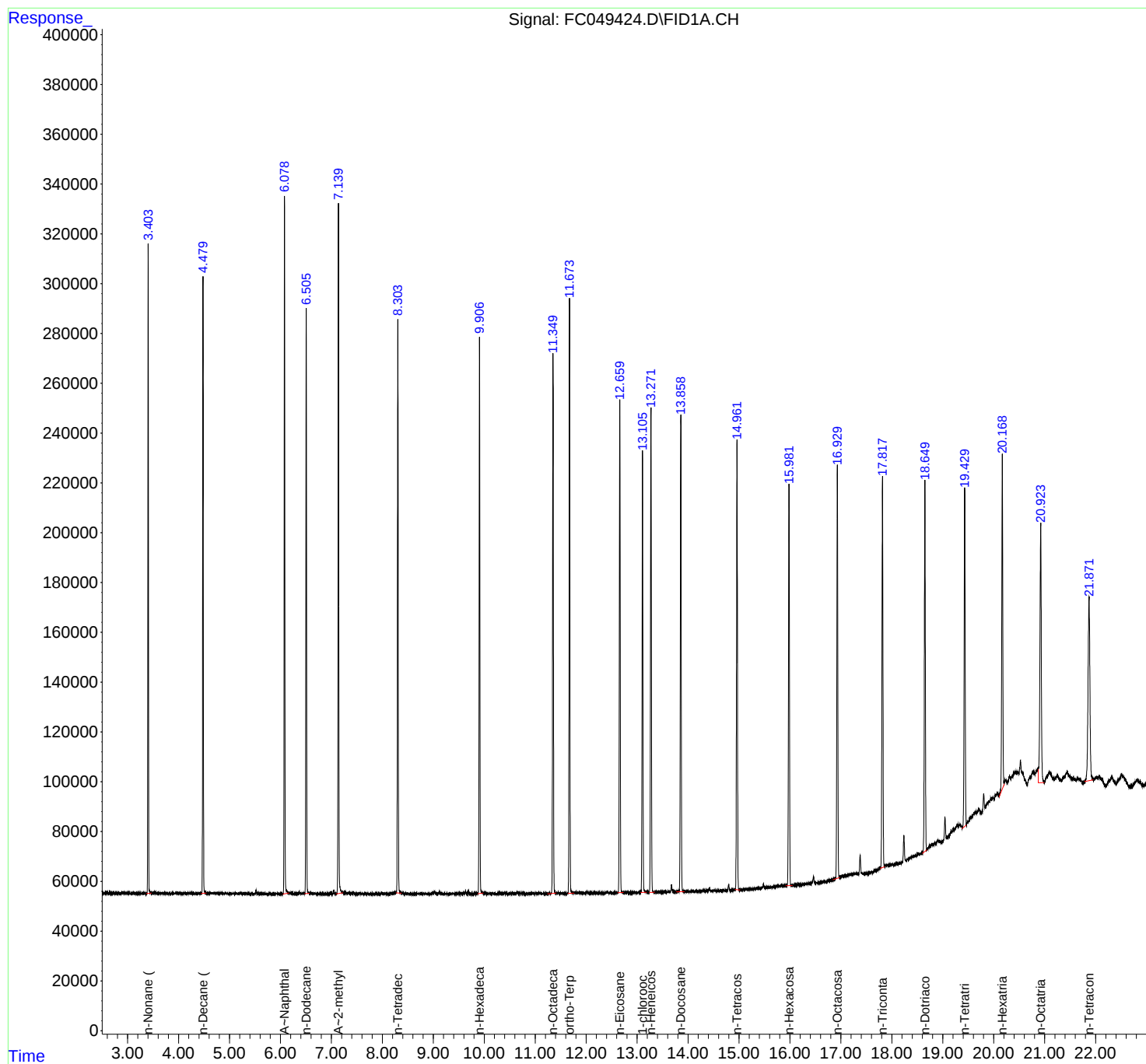
Instrument :
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20 PPM ALIPHATIC HC STD

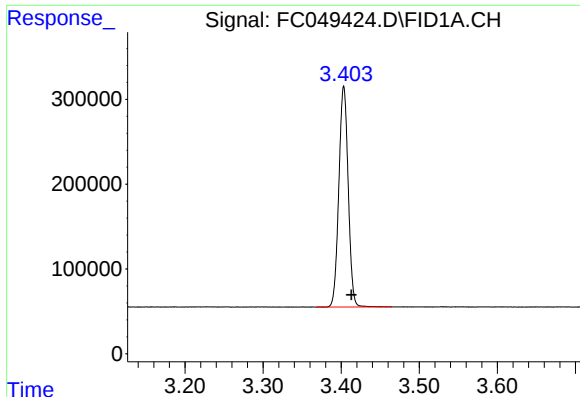
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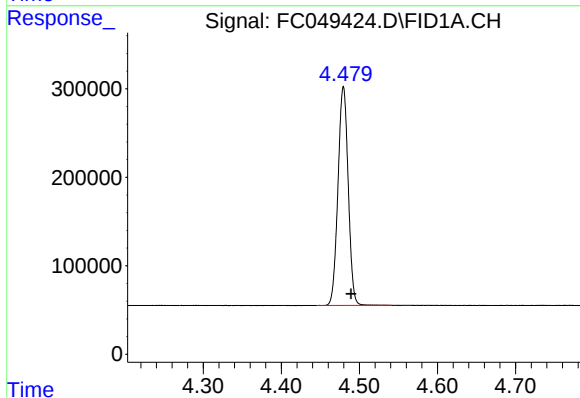
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.010 min
Response: 2165407
Conc: 20.76 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

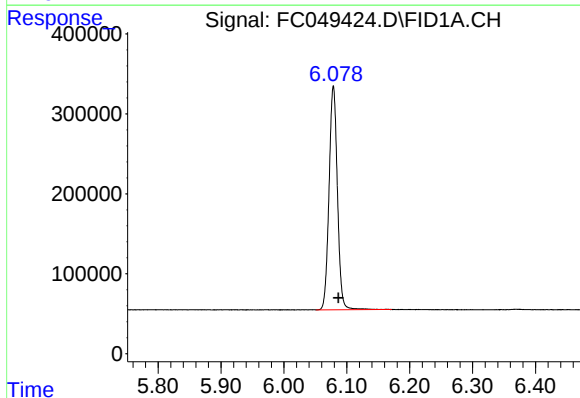
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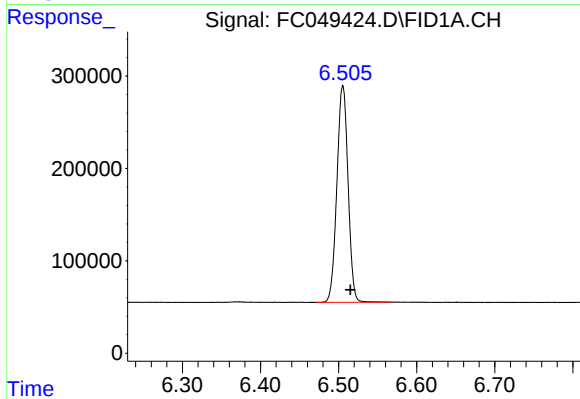
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.010 min
Response: 2254211
Conc: 21.49 ug/ml



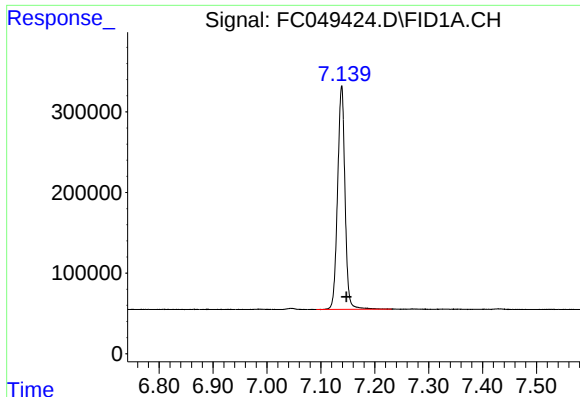
#3 A~Naphthalene (C11.7)

R.T.: 6.079 min
Delta R.T.: -0.008 min
Response: 2586601
Conc: 21.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.505 min
Delta R.T.: -0.010 min
Response: 2328621
Conc: 21.95 ug/ml



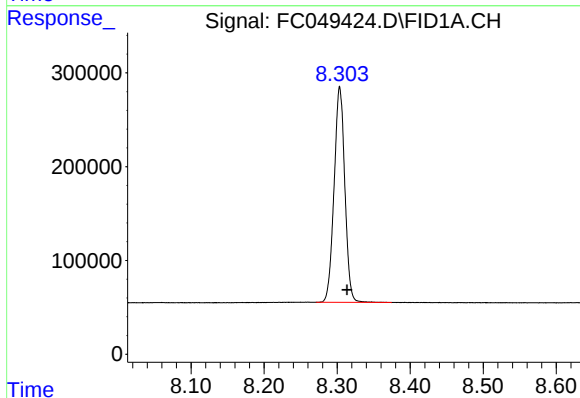
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.138 min
Delta R.T.: -0.009 min
Response: 2648043
Conc: 21.96 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

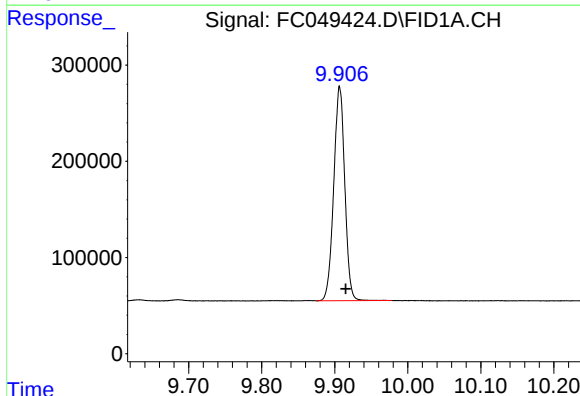
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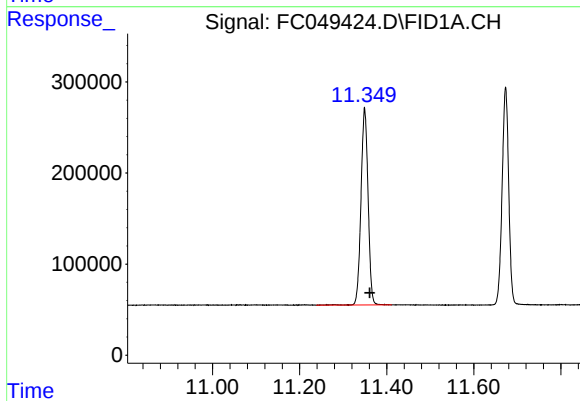
#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.010 min
Response: 2346044
Conc: 22.28 ug/ml



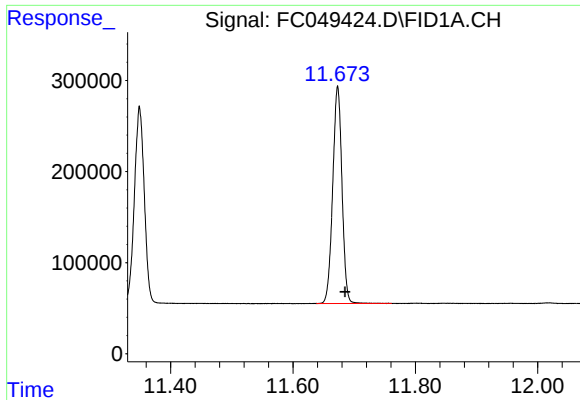
#7 n-Hexadecane (C16)

R.T.: 9.907 min
Delta R.T.: -0.008 min
Response: 2341563
Conc: 22.31 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.349 min
Delta R.T.: -0.012 min
Response: 2433303
Conc: 22.15 ug/ml



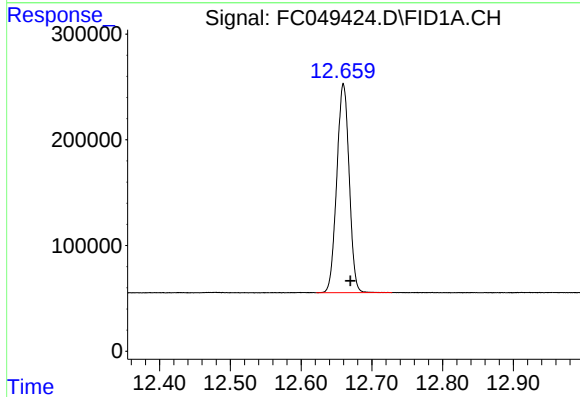
#9 ortho-Terphenyl (SURR)

R.T.: 11.673 min
Delta R.T.: -0.012 min
Response: 2507361
Conc: 21.10 ug/ml

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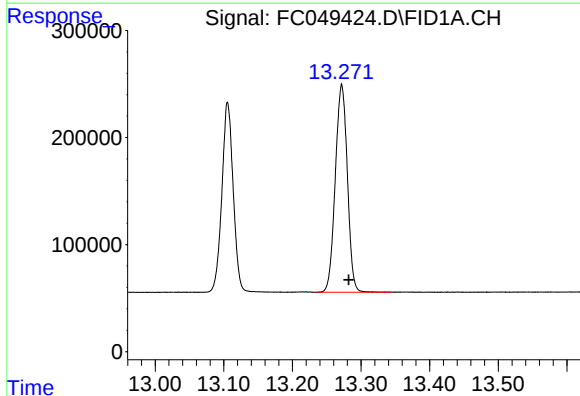
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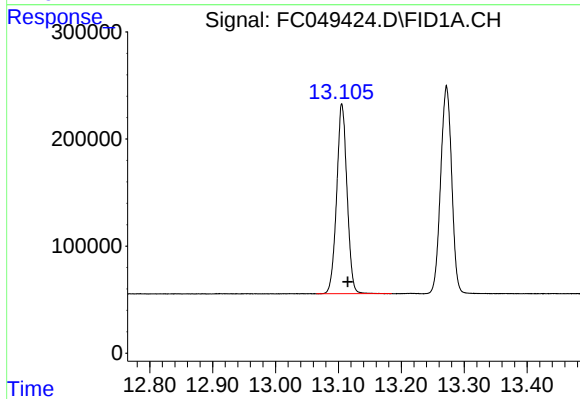
#10 n-Eicosane (C20)

R.T.: 12.660 min
Delta R.T.: -0.010 min
Response: 2400623
Conc: 21.57 ug/ml



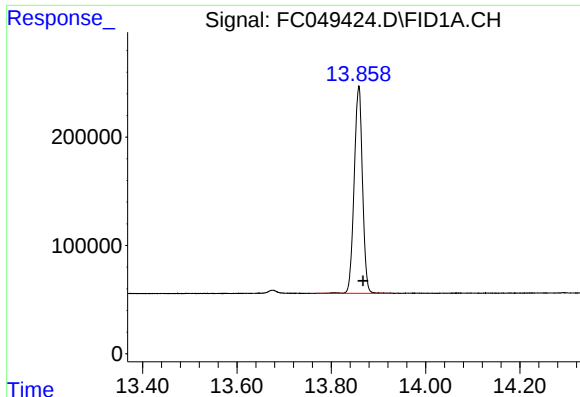
#11 n-Heneicosane (C21)

R.T.: 13.272 min
Delta R.T.: -0.010 min
Response: 2368174
Conc: 21.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.106 min
Delta R.T.: -0.009 min
Response: 2033780
Conc: 20.91 ug/ml



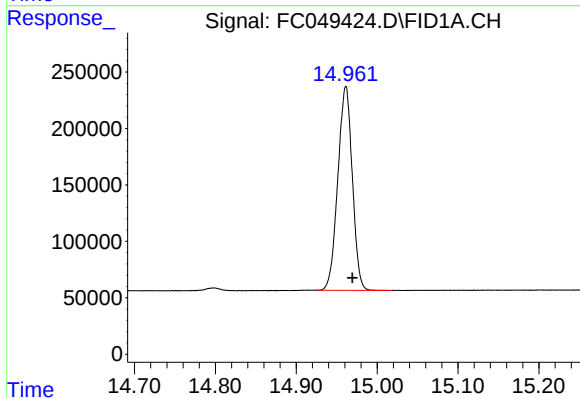
#13 n-Docosane (C22)

R.T.: 13.858 min
Delta R.T.: -0.009 min
Response: 2343638
Conc: 20.85 ug/ml

Instrument :
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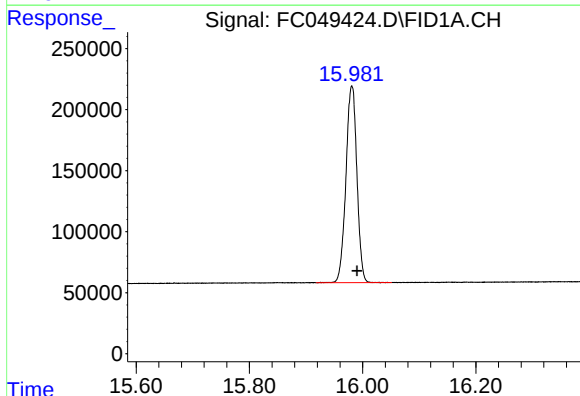
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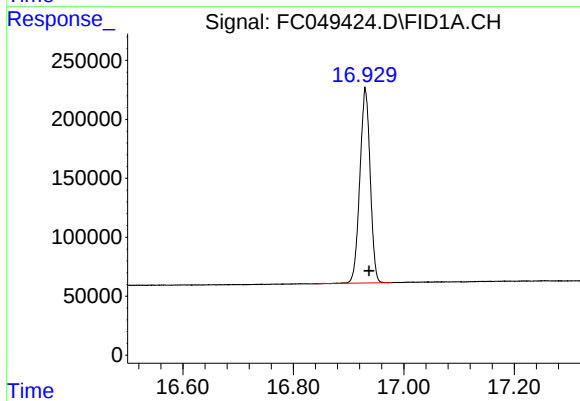
#14 n-Tetracosane (C24)

R.T.: 14.961 min
Delta R.T.: -0.008 min
Response: 2250239
Conc: 19.79 ug/ml



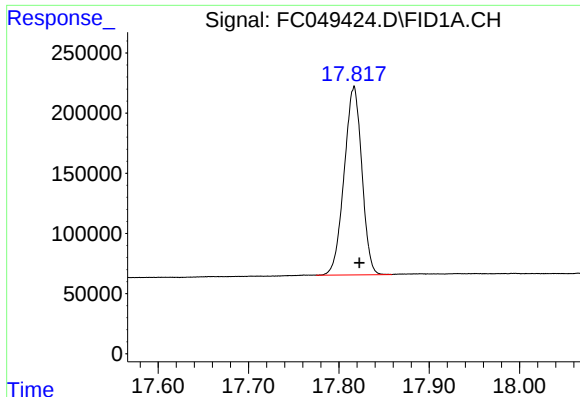
#15 n-Hexacosane (C26)

R.T.: 15.981 min
Delta R.T.: -0.009 min
Response: 2168503
Conc: 18.95 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.930 min
Delta R.T.: -0.007 min
Response: 2137692
Conc: 18.37 ug/ml



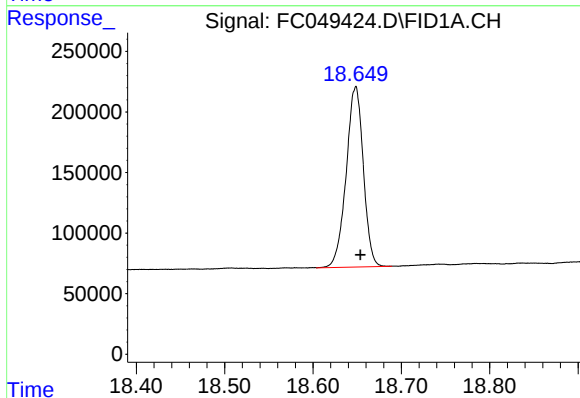
#17 n-Tricontane (C30)

R.T.: 17.817 min
Delta R.T.: -0.006 min
Response: 2127949
Conc: 18.41 ug/ml m

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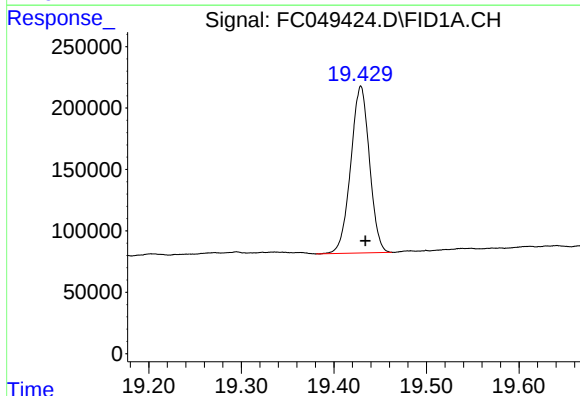
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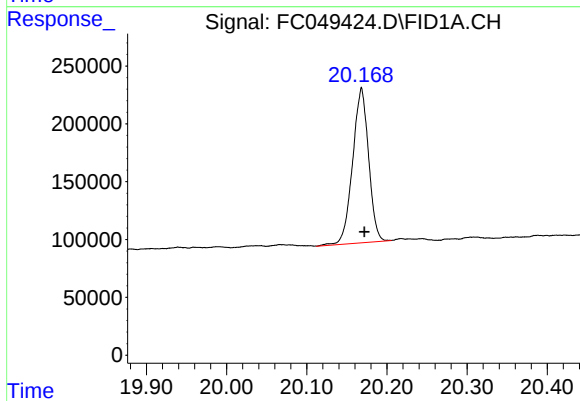
#18 n-Dotriacontane (C32)

R.T.: 18.649 min
Delta R.T.: -0.005 min
Response: 2009220
Conc: 18.58 ug/ml m



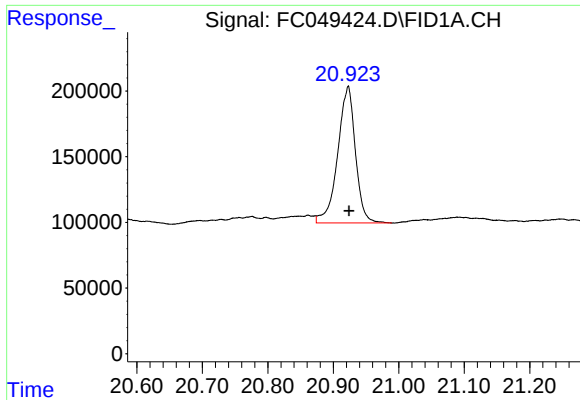
#19 n-Tetratriacontane (C34)

R.T.: 19.429 min
Delta R.T.: -0.006 min
Response: 1908841
Conc: 18.40 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.168 min
Delta R.T.: -0.004 min
Response: 1853931
Conc: 18.65 ug/ml m



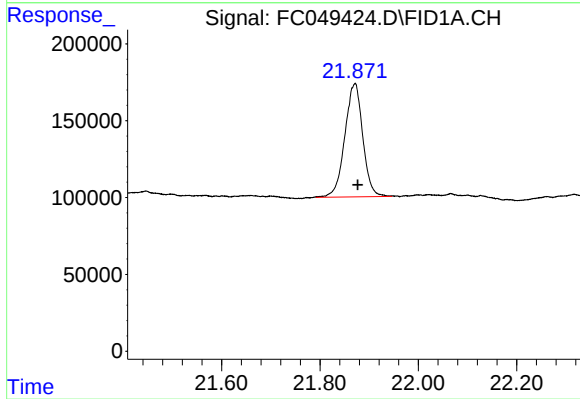
#21 n-Octatriacontane (C38)

R.T.: 20.923 min
Delta R.T.: -0.001 min
Response: 1951986
Conc: 20.64 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.871 min
Delta R.T.: -0.006 min
Response: 1865652
Conc: 19.54 ug/ml m