

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081121AL\
 Data File : FC055129.D
 Signal(s) : FID1A.CH
 Acq On : 11 Aug 2021 14:55
 Operator : AJ\MA
 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
 8/12/2021 12:01:24 PM

Integration File: autoint1.e
 Quant Time: Aug 11 16:06:46 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 080321.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 04 02:08:31 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)	11.307	2185685	17.361 ug/ml
Spiked Amount 50.000		Recovery =	34.72%
12) S 1-chlorooctadecane (S...	12.748	1704162	17.195 ug/ml
Spiked Amount 50.000		Recovery =	34.39%
Target Compounds			
1) T n-Nonane (C9)	3.142	2072070	19.816 ug/ml
2) T n-Decane (C10)	4.192	2118260	20.115 ug/ml
3) T A~Naphthalene (C11.7)	5.758	2160461	19.883 ug/ml
4) T n-Dodecane (C12)	6.193	2162418	19.913 ug/ml
5) T A~2-methylnaphthalene...	6.807	2187115	20.040 ug/ml
6) T n-Tetradecane (C14)	7.977	2176637	19.498 ug/ml
7) T n-Hexadecane (C16)	9.569	2161049	18.948 ug/ml
8) T n-Octadecane (C18)	11.005	2158565	18.305 ug/ml
10) T n-Eicosane (C20)	12.308	2067078	17.607 ug/ml
11) T n-Heneicosane (C21)	12.917	2057091	17.422 ug/ml
13) T n-Docosane (C22)	13.502	1992521	17.060 ug/ml
14) T n-Tetracosane (C24)	14.601	1950190	16.848 ug/ml
15) T n-Hexacosane (C26)	15.617	1838167	16.402 ug/ml
16) T n-Octacosane (C28)	16.564	1795903	16.541 ug/ml
17) T n-Tricontane (C30)	17.449	1763328	16.888 ug/ml
18) T n-Dotriacontane (C32)	18.280	1746254	17.633 ug/ml
19) T n-Tetratriacontane (C34)	19.062	1719755	18.145 ug/ml
20) T n-Hexatriacontane (C36)	19.799	1672477	18.508 ug/ml
21) T n-Octatriacontane (C38)	20.501	1613916	18.679 ug/mlm
22) T n-Tetracontane (C40)	21.307	1640717	18.424 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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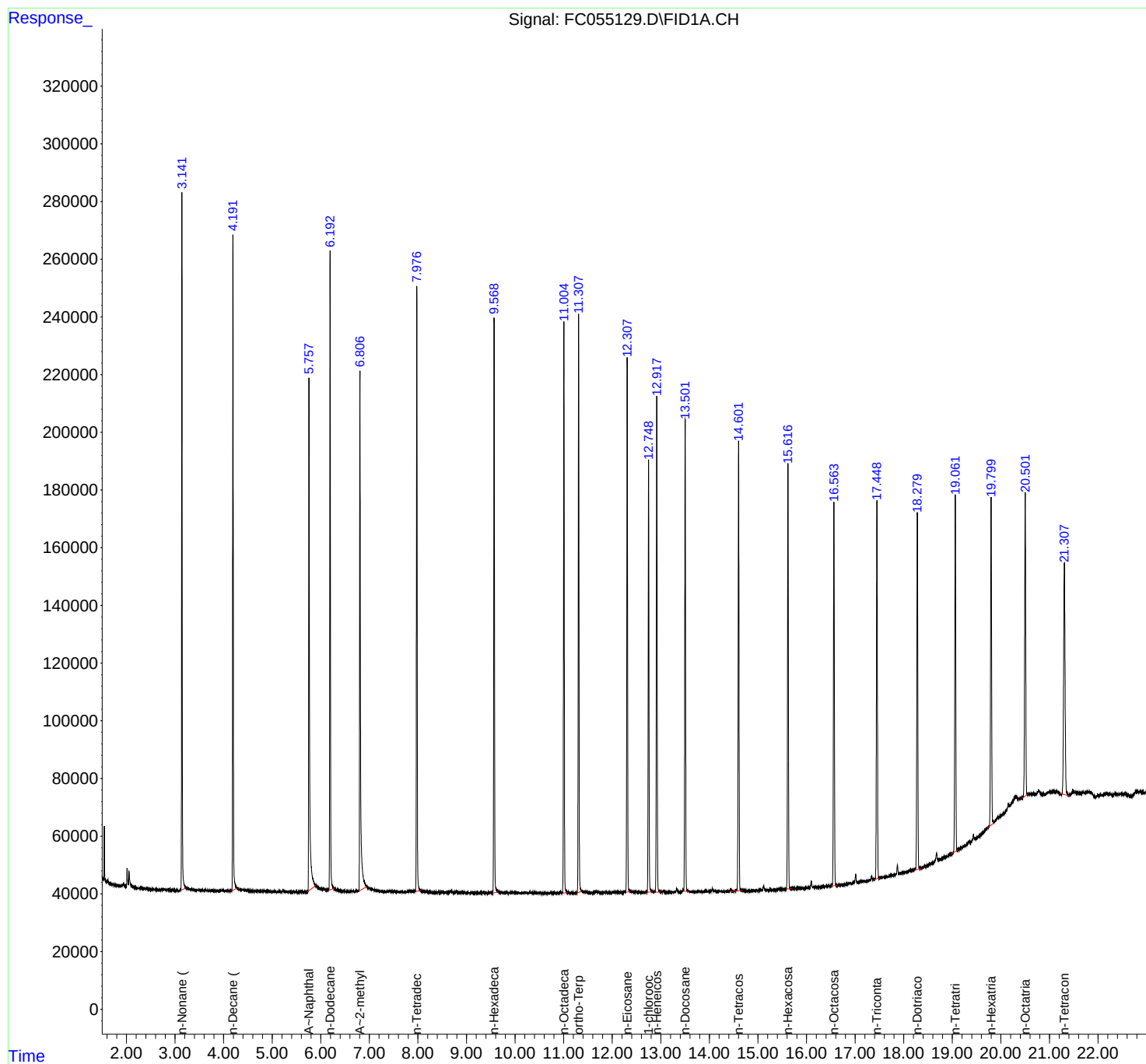
Instrument :
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20 PPM ALIPHATIC HC STD

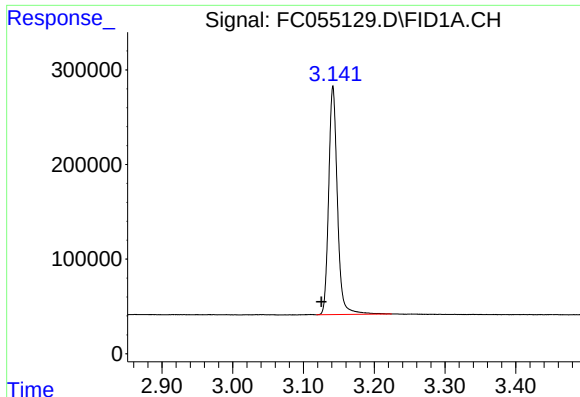
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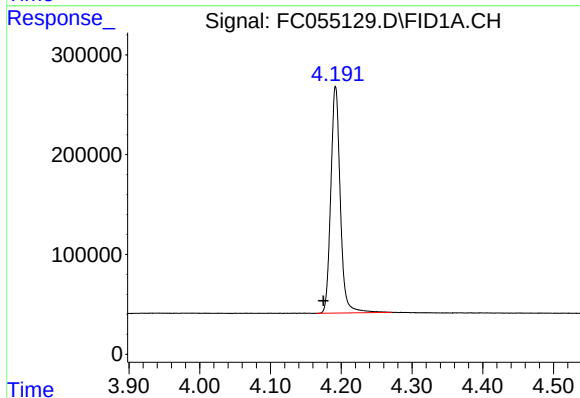
#1 n-Nonane (C9)

R.T.: 3.142 min
Delta R.T.: 0.017 min
Response: 2072070
Conc: 19.82 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

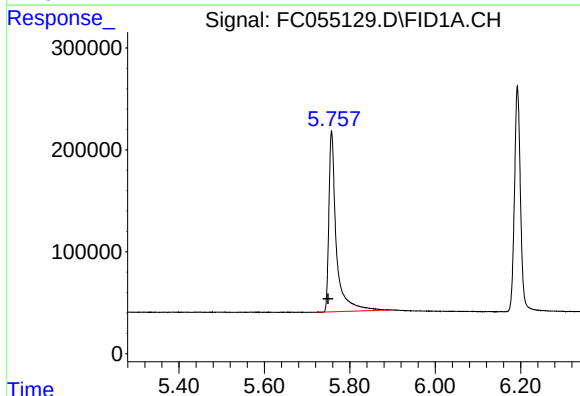
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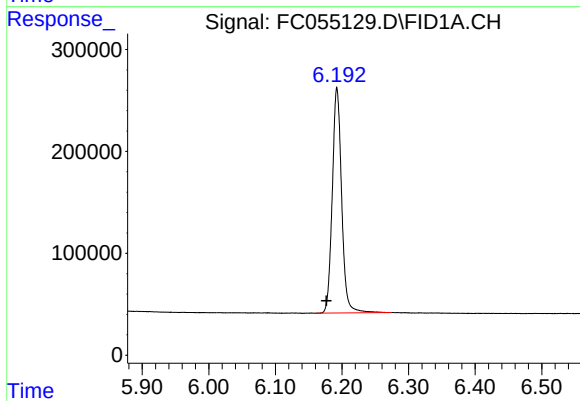
#2 n-Decane (C10)

R.T.: 4.192 min
Delta R.T.: 0.017 min
Response: 2118260
Conc: 20.12 ug/ml



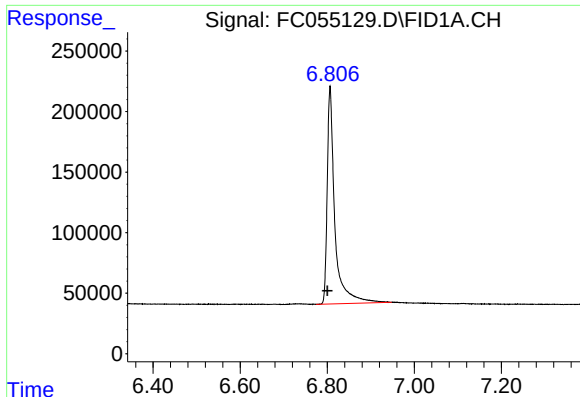
#3 A~Naphthalene (C11.7)

R.T.: 5.758 min
Delta R.T.: 0.009 min
Response: 2160461
Conc: 19.88 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.193 min
Delta R.T.: 0.016 min
Response: 2162418
Conc: 19.91 ug/ml



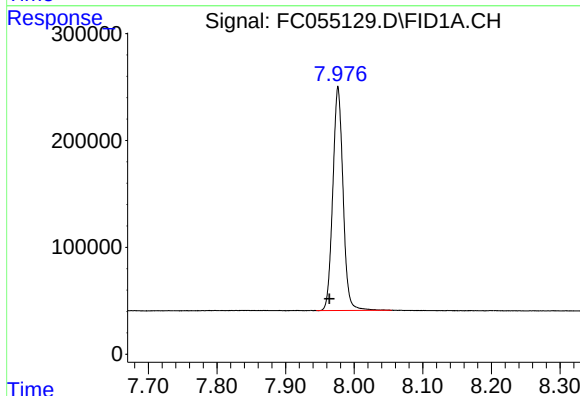
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.807 min
Delta R.T.: 0.006 min
Response: 2187115
Conc: 20.04 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

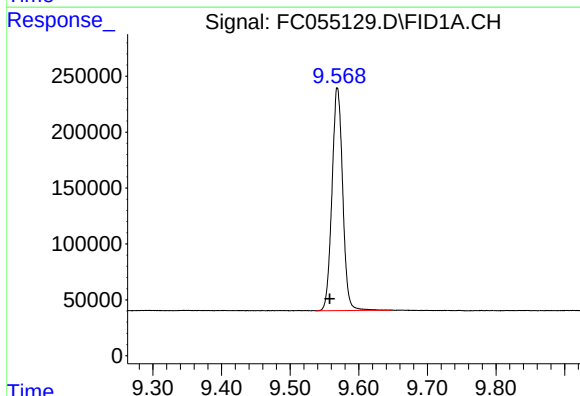
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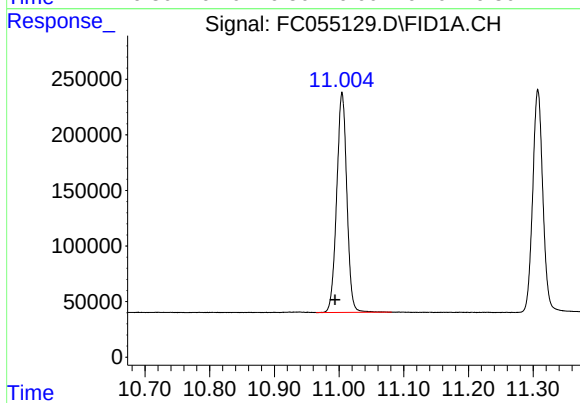
#6 n-Tetradecane (C14)

R.T.: 7.977 min
Delta R.T.: 0.013 min
Response: 2176637
Conc: 19.50 ug/ml



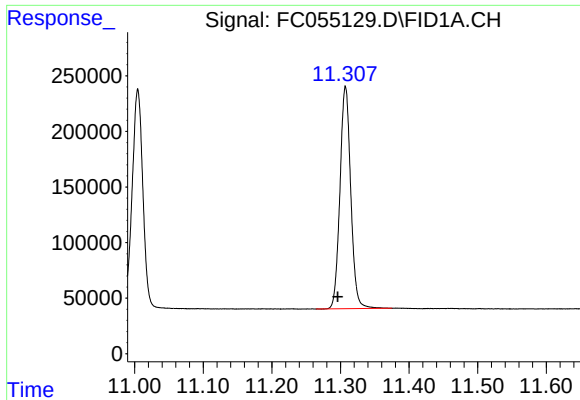
#7 n-Hexadecane (C16)

R.T.: 9.569 min
Delta R.T.: 0.011 min
Response: 2161049
Conc: 18.95 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.005 min
Delta R.T.: 0.011 min
Response: 2158565
Conc: 18.30 ug/ml



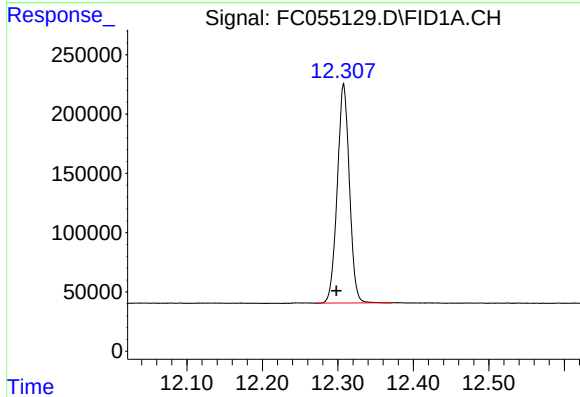
#9 ortho-Terphenyl (SURR)

R.T.: 11.307 min
Delta R.T.: 0.011 min
Response: 2185685
Conc: 17.36 ug/ml

Instrument :
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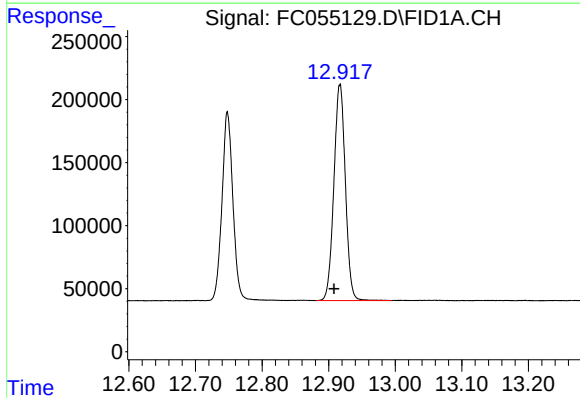
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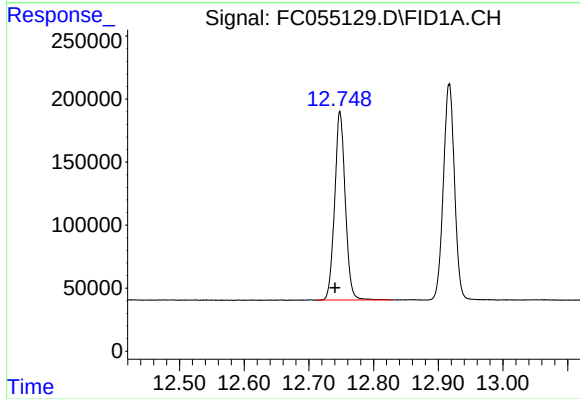
#10 n-Eicosane (C20)

R.T.: 12.308 min
Delta R.T.: 0.010 min
Response: 2067078
Conc: 17.61 ug/ml



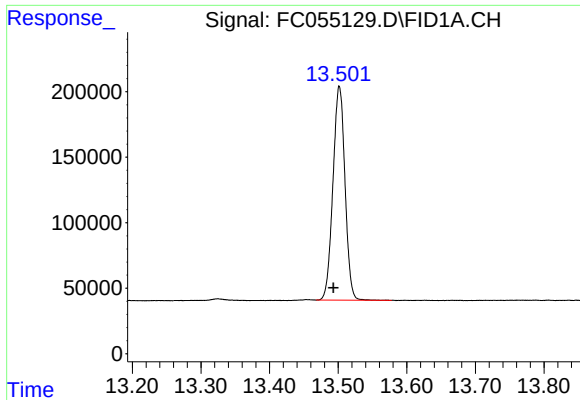
#11 n-Heneicosane (C21)

R.T.: 12.917 min
Delta R.T.: 0.009 min
Response: 2057091
Conc: 17.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.748 min
Delta R.T.: 0.008 min
Response: 1704162
Conc: 17.20 ug/ml



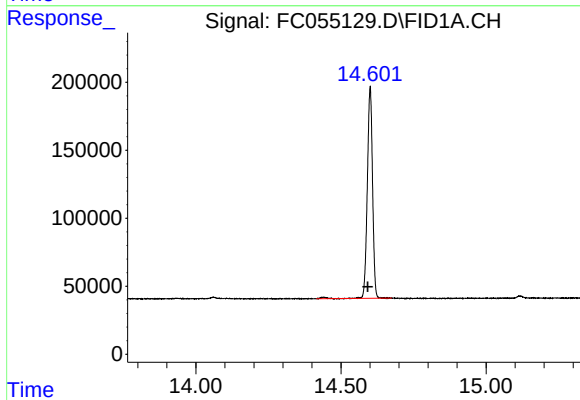
#13 n-Docosane (C22)

R.T.: 13.502 min
Delta R.T.: 0.009 min
Response: 1992521
Conc: 17.06 ug/ml

Instrument :
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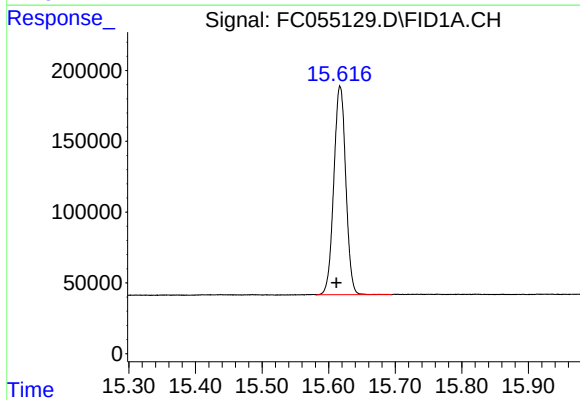
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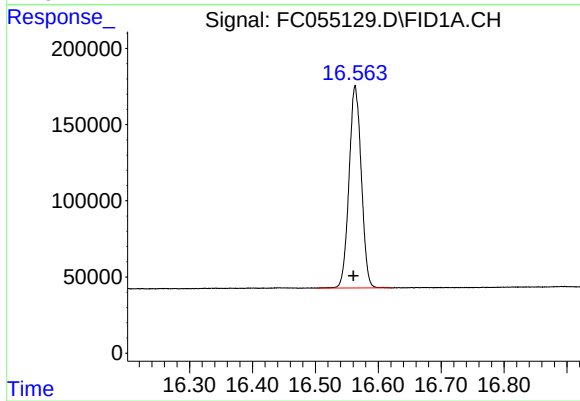
#14 n-Tetracosane (C24)

R.T.: 14.601 min
Delta R.T.: 0.008 min
Response: 1950190
Conc: 16.85 ug/ml



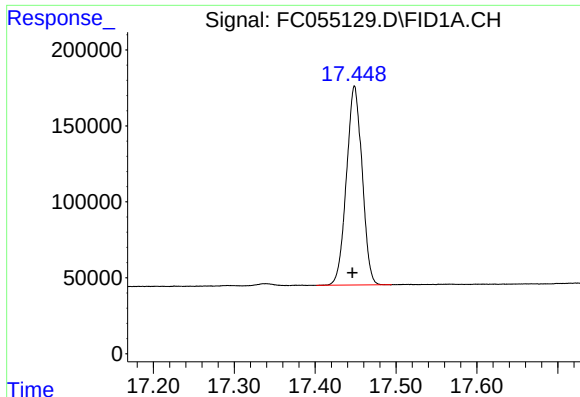
#15 n-Hexacosane (C26)

R.T.: 15.617 min
Delta R.T.: 0.006 min
Response: 1838167
Conc: 16.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.564 min
Delta R.T.: 0.003 min
Response: 1795903
Conc: 16.54 ug/ml



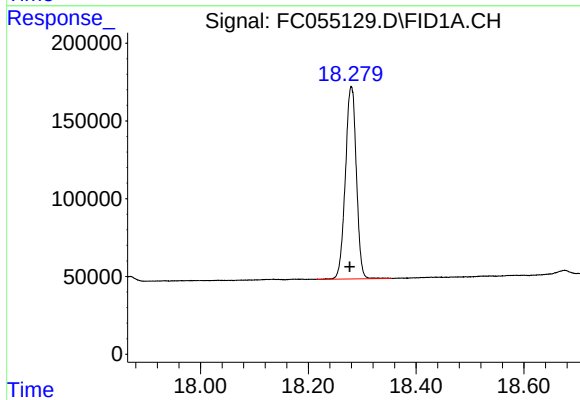
#17 n-Tricontane (C30)

R.T.: 17.449 min
Delta R.T.: 0.002 min
Response: 1763328
Conc: 16.89 ug/ml

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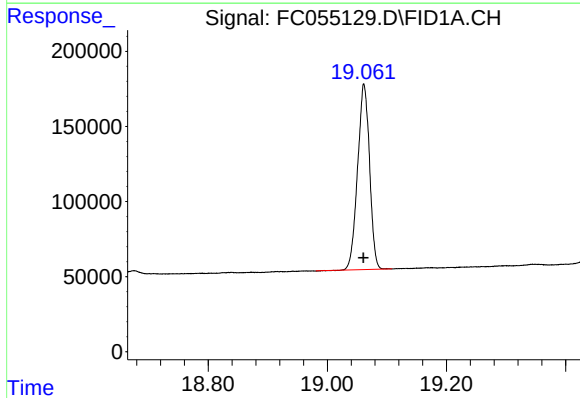
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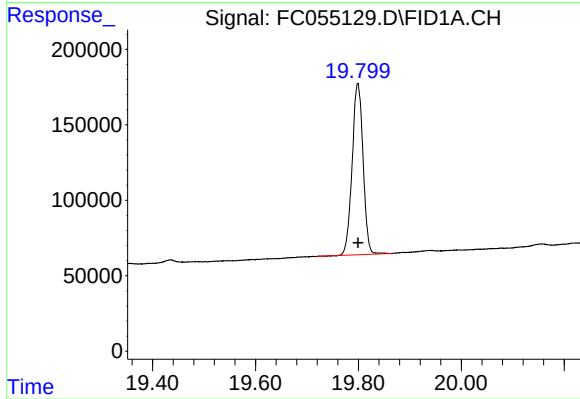
#18 n-Dotriacontane (C32)

R.T.: 18.280 min
Delta R.T.: 0.003 min
Response: 1746254
Conc: 17.63 ug/ml



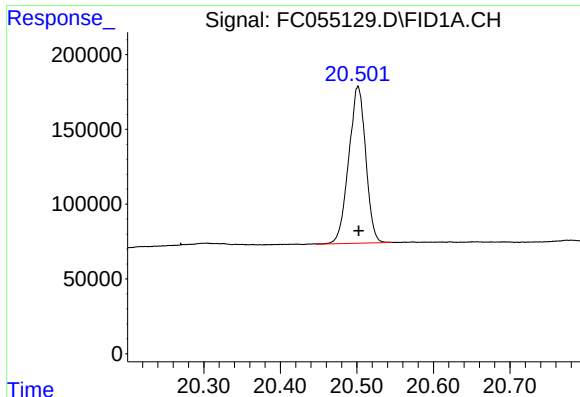
#19 n-Tetratriacontane (C34)

R.T.: 19.062 min
Delta R.T.: 0.001 min
Response: 1719755
Conc: 18.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.799 min
Delta R.T.: 0.000 min
Response: 1672477
Conc: 18.51 ug/ml



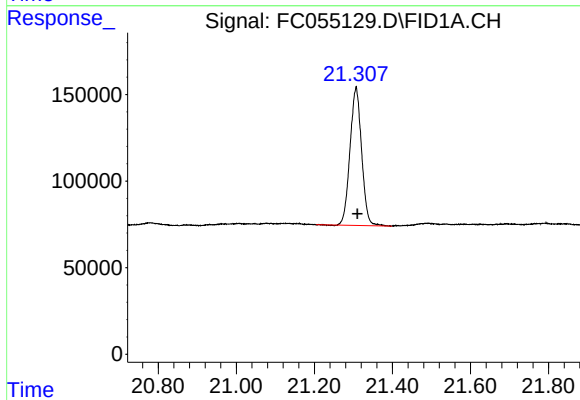
#21 n-Octatriacontane (C38)

R.T.: 20.501 min
Delta R.T.: -0.001 min
Response: 1613916
Conc: 18.68 ug/ml m

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 21.307 min
Delta R.T.: -0.003 min
Response: 1640717
Conc: 18.42 ug/ml