

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101221AL\
 Data File : FC056144.D
 Signal(s) : FID1A.CH
 Acq On : 13 Oct 2021 00:30
 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
 10/13/2021 1:24:44 PM

Integration File: sample.E
 Quant Time: Oct 13 05:08:59 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 092921.M
 Quant Title : GC Extractables
 QLast Update : Thu Sep 30 01:25:44 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)	11.637	1870076	15.760 ug/ml
Spiked Amount 50.000		Recovery =	31.52%
12) S 1-chlorooctadecane (S...	13.068	1449580	15.778 ug/ml
Spiked Amount 50.000		Recovery =	31.56%
Target Compounds			
1) T n-Nonane (C9)	3.386	1970610	18.466 ug/ml
2) T n-Decane (C10)	4.456	1955799	18.297 ug/ml
3) T A~Naphthalene (C11.7)	6.050	2105412	17.498 ug/ml
4) T n-Dodecane (C12)	6.477	1927164	17.755 ug/ml
5) T A~2-methylnaphthalene...	7.107	2105426	17.332 ug/mlm
6) T n-Tetradecane (C14)	8.272	1880933	17.001 ug/ml
7) T n-Hexadecane (C16)	9.873	1824703	16.485 ug/ml
8) T n-Octadecane (C18)	11.314	1811120	16.182 ug/ml
10) T n-Eicosane (C20)	12.622	1742641	15.954 ug/ml
11) T n-Heneicosane (C21)	13.234	1731250	15.923 ug/ml
13) T n-Docosane (C22)	13.819	1701910	15.936 ug/ml
14) T n-Tetracosane (C24)	14.921	1678676	16.053 ug/ml
15) T n-Hexacosane (C26)	15.939	1653614	16.458 ug/ml
16) T n-Octacosane (C28)	16.886	1666411	17.228 ug/ml
17) T n-Tricontane (C30)	17.770	1698519	18.306 ug/mlm
18) T n-Dotriacontane (C32)	18.601	1693916	19.053 ug/ml
19) T n-Tetratriacontane (C34)	19.380	1650012	19.078 ug/ml
20) T n-Hexatriacontane (C36)	20.115	1559488	19.087 ug/mlm
21) T n-Octatriacontane (C38)	20.857	1452350	18.226 ug/mlm
22) T n-Tetracontane (C40)	21.779	1481410	18.480 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : AJ\MA
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ALS Vial : 2 Sample Multiplier: 1

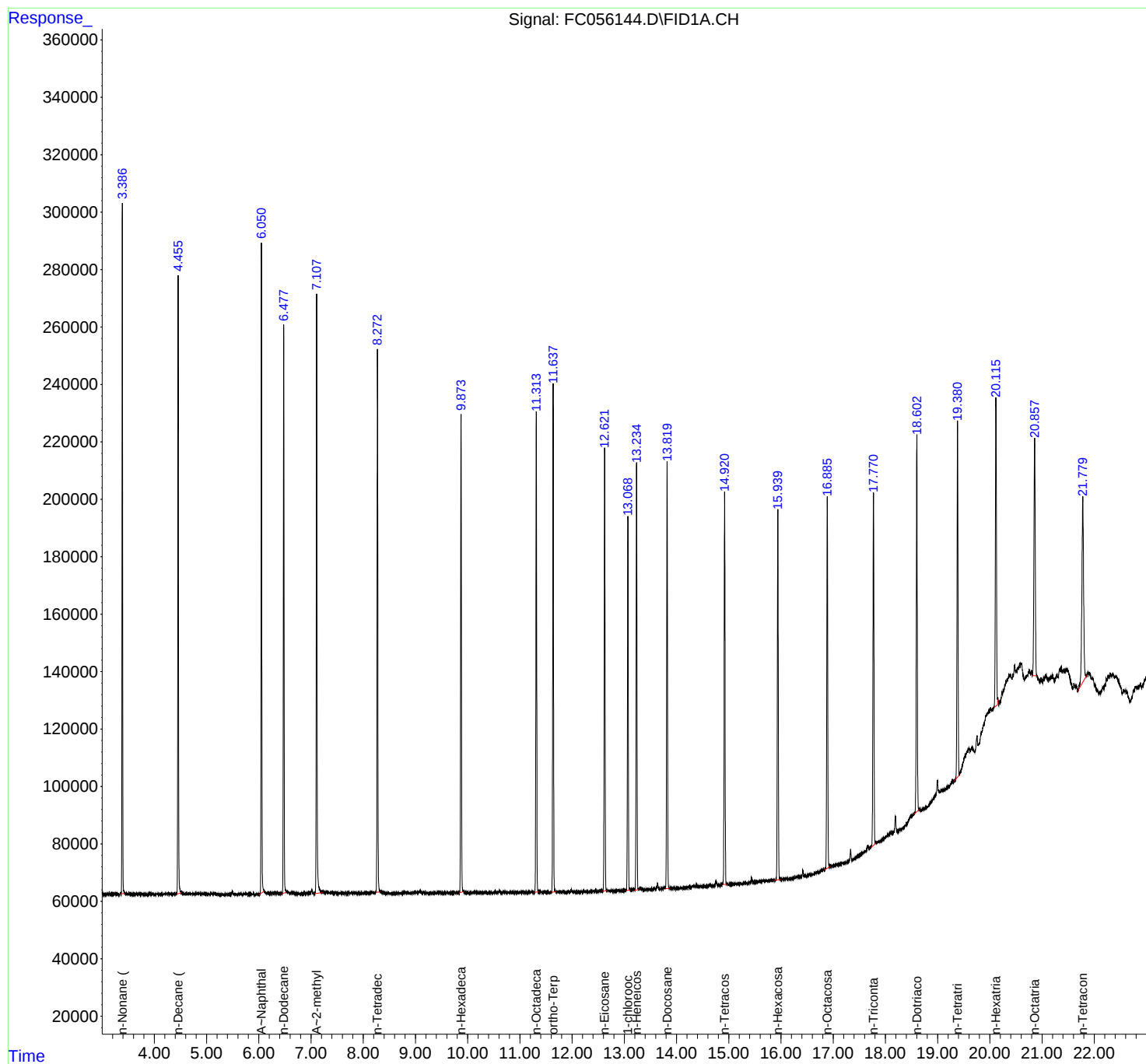
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20 PPM ALIPHATIC HC STD

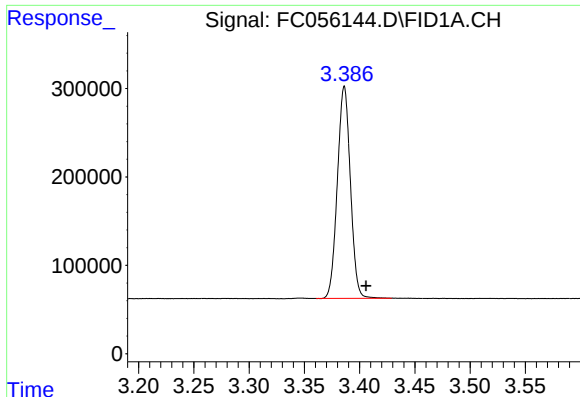
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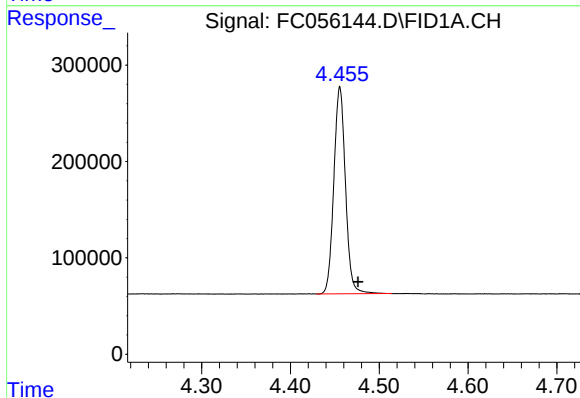
#1 n-Nonane (C9)

R.T.: 3.386 min
Delta R.T.: -0.020 min
Response: 1970610
Conc: 18.47 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

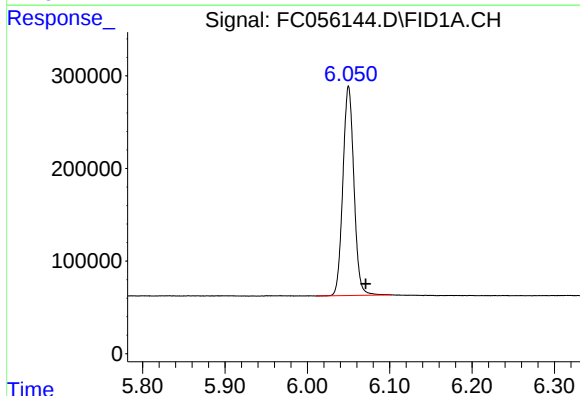
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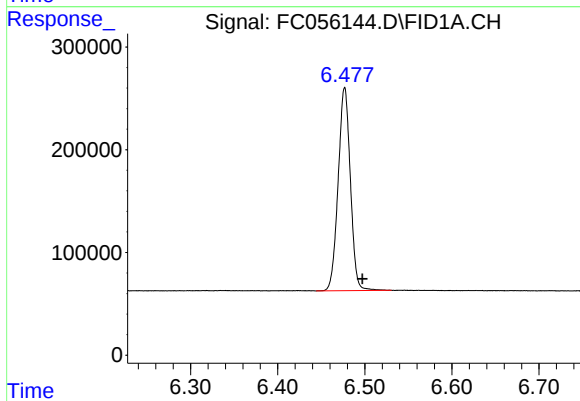
#2 n-Decane (C10)

R.T.: 4.456 min
Delta R.T.: -0.020 min
Response: 1955799
Conc: 18.30 ug/ml



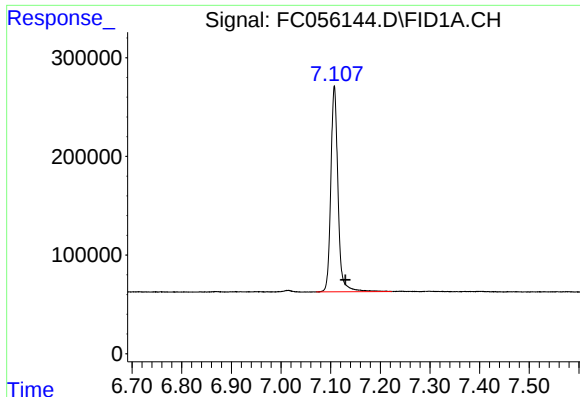
#3 A~Naphthalene (C11.7)

R.T.: 6.050 min
Delta R.T.: -0.021 min
Response: 2105412
Conc: 17.50 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.477 min
Delta R.T.: -0.020 min
Response: 1927164
Conc: 17.76 ug/ml



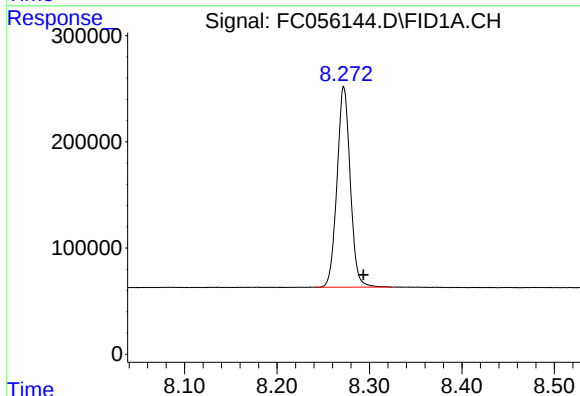
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.107 min
Delta R.T.: -0.023 min
Response: 2105426
Conc: 17.33 ug/ml m

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20 PPM ALIPHATIC HC STD

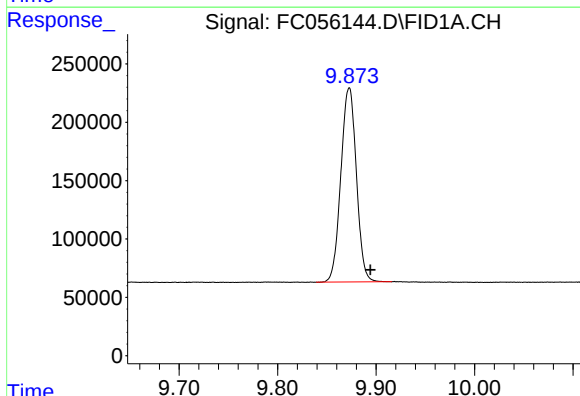
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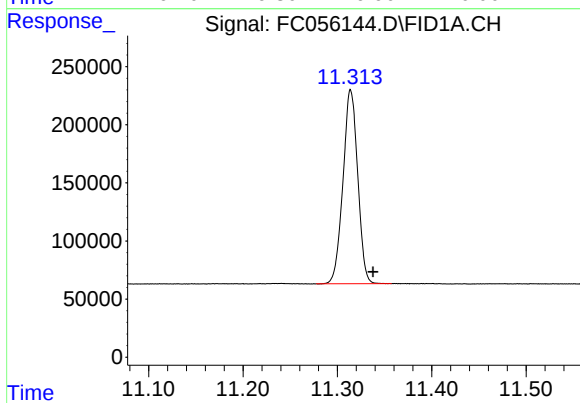
#6 n-Tetradecane (C14)

R.T.: 8.272 min
Delta R.T.: -0.021 min
Response: 1880933
Conc: 17.00 ug/ml



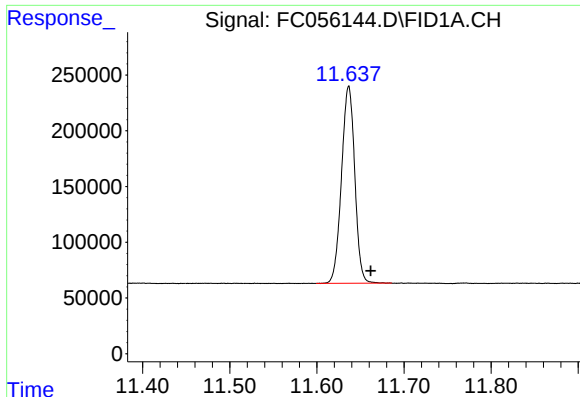
#7 n-Hexadecane (C16)

R.T.: 9.873 min
Delta R.T.: -0.022 min
Response: 1824703
Conc: 16.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.314 min
Delta R.T.: -0.024 min
Response: 1811120
Conc: 16.18 ug/ml



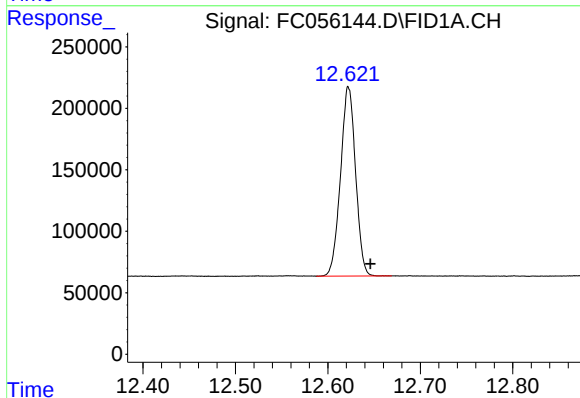
#9 ortho-Terphenyl (SURR)

R.T.: 11.637 min
Delta R.T.: -0.025 min
Response: 1870076
Conc: 15.76 ug/ml

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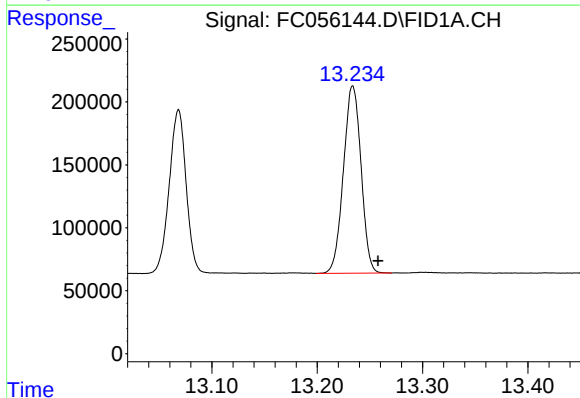
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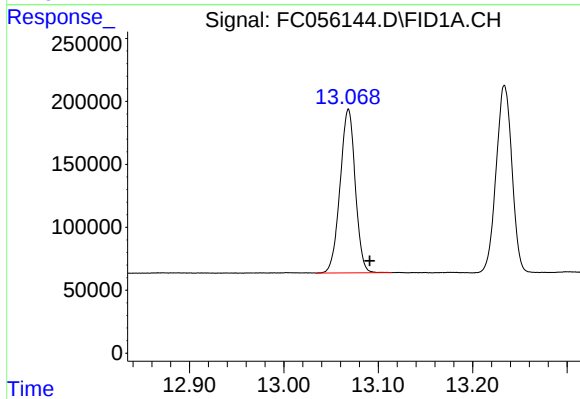
#10 n-Eicosane (C20)

R.T.: 12.622 min
Delta R.T.: -0.024 min
Response: 1742641
Conc: 15.95 ug/ml



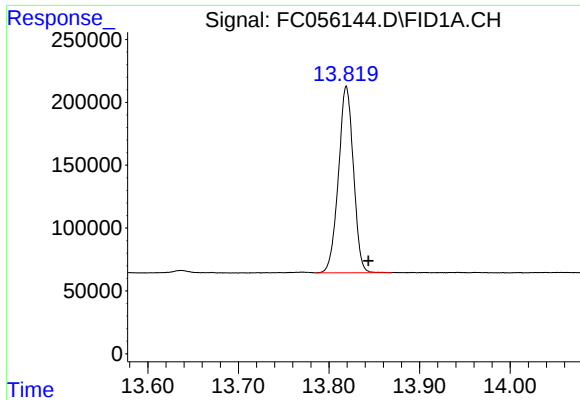
#11 n-Heneicosane (C21)

R.T.: 13.234 min
Delta R.T.: -0.024 min
Response: 1731250
Conc: 15.92 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.068 min
Delta R.T.: -0.023 min
Response: 1449580
Conc: 15.78 ug/ml



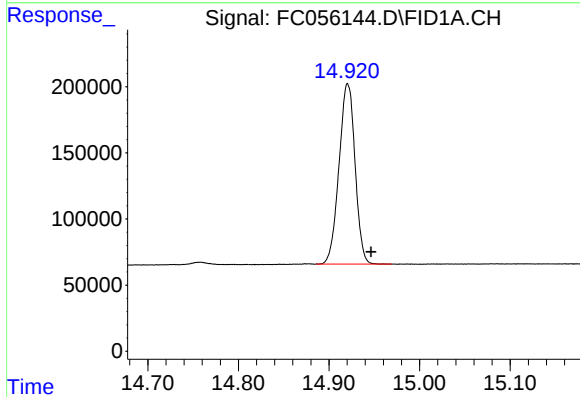
#13 n-Docosane (C22)

R.T.: 13.819 min
Delta R.T.: -0.024 min
Response: 1701910
Conc: 15.94 ug/ml

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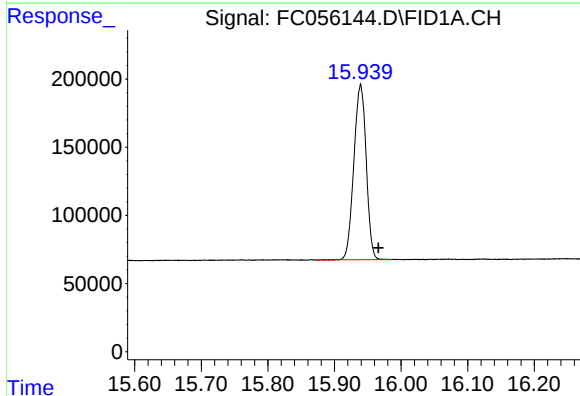
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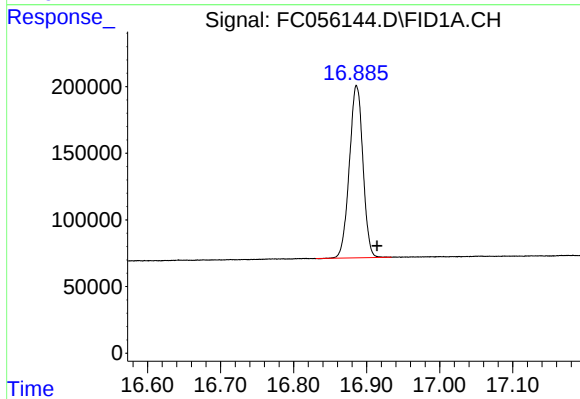
#14 n-Tetracosane (C24)

R.T.: 14.921 min
Delta R.T.: -0.026 min
Response: 1678676
Conc: 16.05 ug/ml



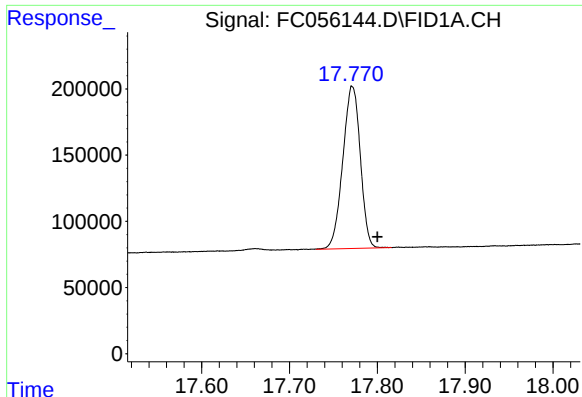
#15 n-Hexacosane (C26)

R.T.: 15.939 min
Delta R.T.: -0.027 min
Response: 1653614
Conc: 16.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.886 min
Delta R.T.: -0.028 min
Response: 1666411
Conc: 17.23 ug/ml



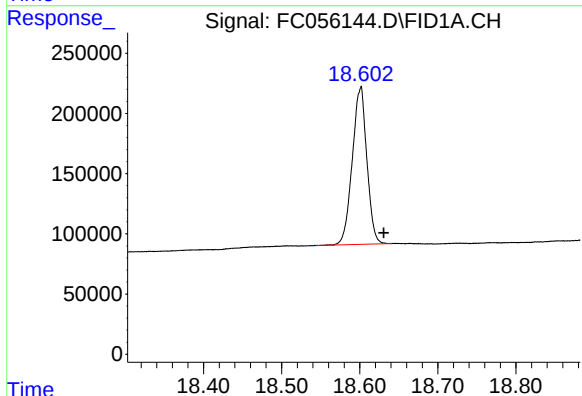
#17 n-Tricontane (C30)

R.T.: 17.770 min
Delta R.T.: -0.030 min
Response: 1698519
Conc: 18.31 ug/ml m

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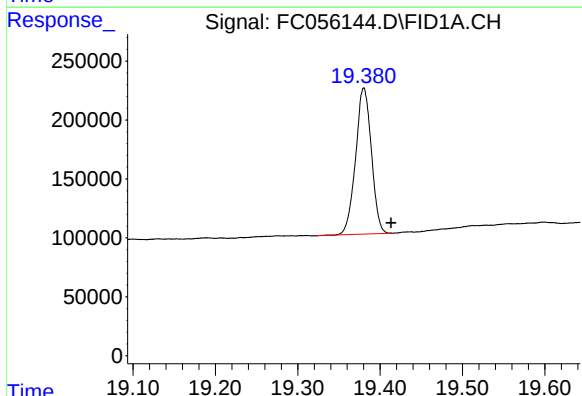
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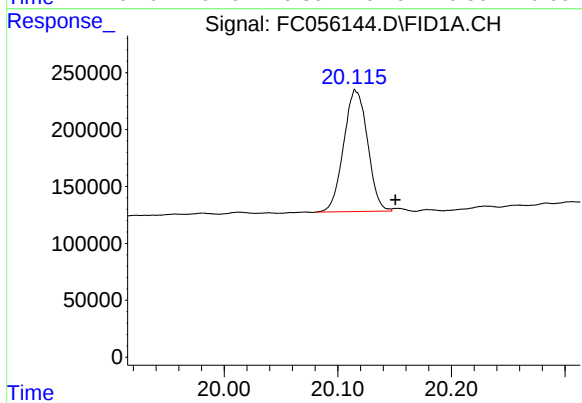
#18 n-Dotriacontane (C32)

R.T.: 18.601 min
Delta R.T.: -0.030 min
Response: 1693916
Conc: 19.05 ug/ml



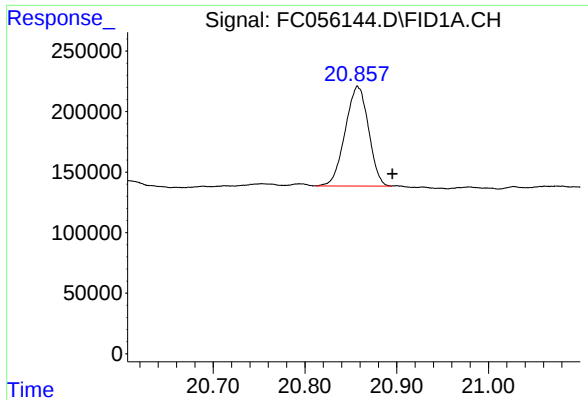
#19 n-Tetratriacontane (C34)

R.T.: 19.380 min
Delta R.T.: -0.033 min
Response: 1650012
Conc: 19.08 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.115 min
Delta R.T.: -0.036 min
Response: 1559488
Conc: 19.09 ug/ml m



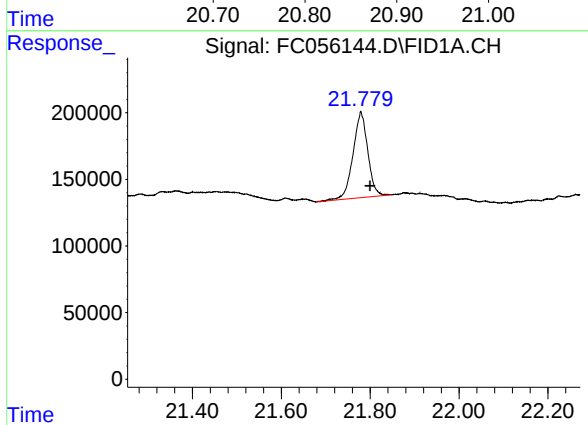
#21 n-Octatriacontane (C38)

R.T.: 20.857 min
Delta R.T.: -0.038 min
Response: 1452350
Conc: 18.23 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.779 min
Delta R.T.: -0.021 min
Response: 1481410
Conc: 18.48 ug/ml