

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081321AL\
 Data File : FC055189.D
 Signal(s) : FID1A.CH
 Acq On : 14 Aug 2021 1:25
 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
 8/17/2021 11:45:00 AM

Integration File: autoint1.e
 Quant Time: Aug 14 04:11:39 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	2539967	20.175 ug/ml
Spiked Amount 50.000		Recovery =	40.35%
12) S 1-chlorooctadecane (S...	12.746	1995397	20.134 ug/ml
Spiked Amount 50.000		Recovery =	40.27%
Target Compounds			
1) T n-Nonane (C9)	3.143	2300835	22.004 ug/ml
2) T n-Decane (C10)	4.192	2373583	22.540 ug/ml
3) T A~Naphthalene (C11.7)	5.757	2490139	22.917 ug/ml
4) T n-Dodecane (C12)	6.192	2463907	22.690 ug/ml
5) T A~2-methylnaphthalene...	6.807	2540423	23.277 ug/ml
6) T n-Tetradecane (C14)	7.976	2496112	22.359 ug/ml
7) T n-Hexadecane (C16)	9.568	2481134	21.754 ug/ml
8) T n-Octadecane (C18)	11.003	2504050	21.235 ug/ml
10) T n-Eicosane (C20)	12.305	2411599	20.541 ug/ml
11) T n-Heneicosane (C21)	12.915	2395230	20.285 ug/ml
13) T n-Docosane (C22)	13.499	2321006	19.872 ug/ml
14) T n-Tetracosane (C24)	14.597	2236834	19.325 ug/ml
15) T n-Hexacosane (C26)	15.614	2119960	18.916 ug/ml
16) T n-Octacosane (C28)	16.561	2060773	18.981 ug/ml
17) T n-Tricontane (C30)	17.445	2016083	19.309 ug/ml
18) T n-Dotriacontane (C32)	18.275	1965478	19.847 ug/ml
19) T n-Tetratriacontane (C34)	19.056	1938708	20.455 ug/ml
20) T n-Hexatriacontane (C36)	19.794	1868499	20.677 ug/ml
21) T n-Octatriacontane (C38)	20.494	1800580	20.839 ug/mlm
22) T n-Tetracontane (C40)	21.298	1773969	19.920 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

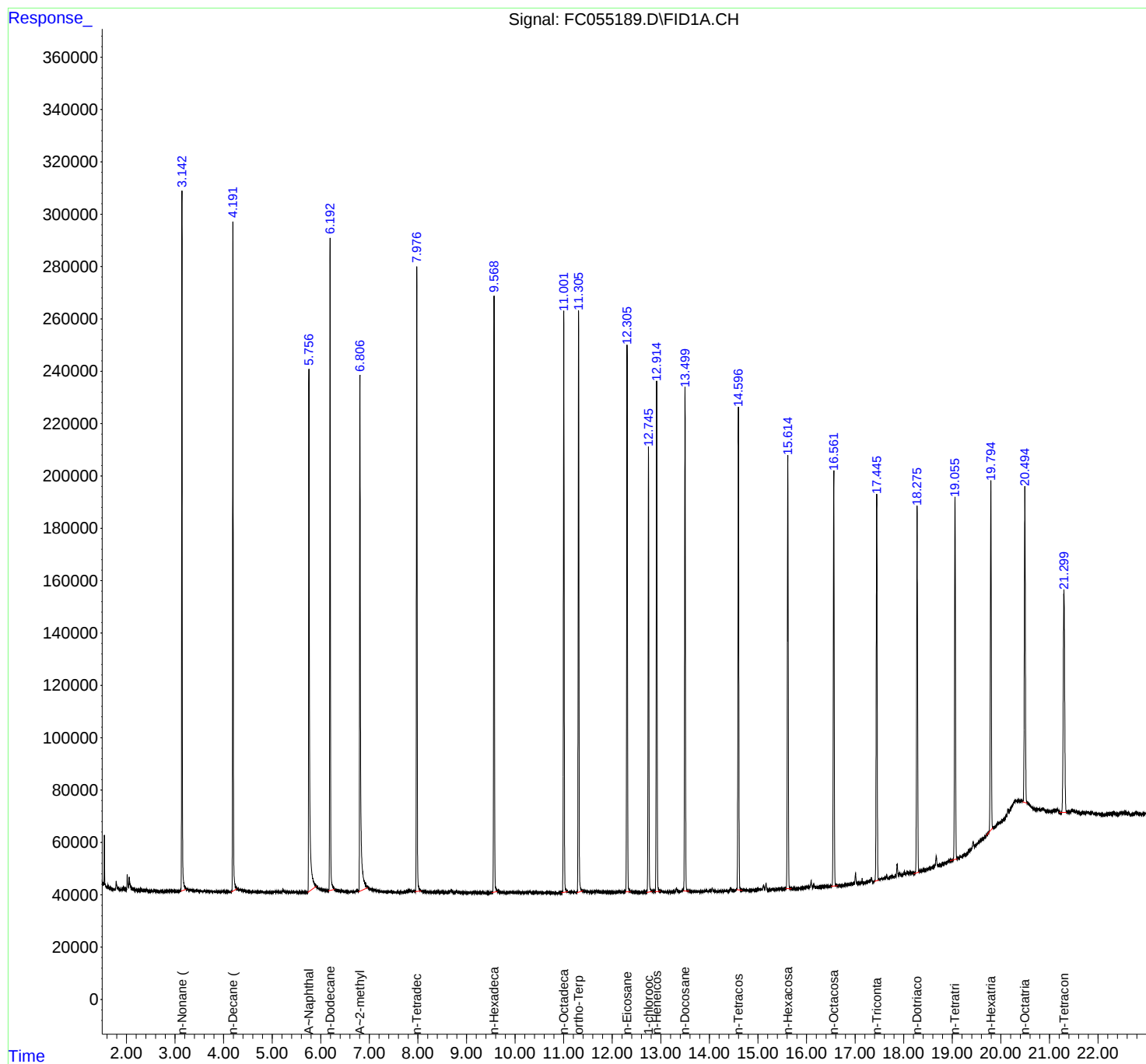
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

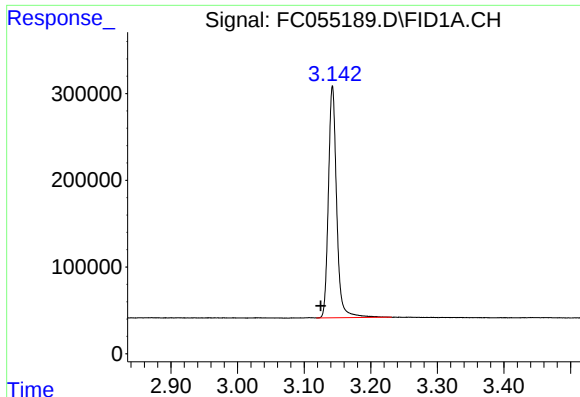
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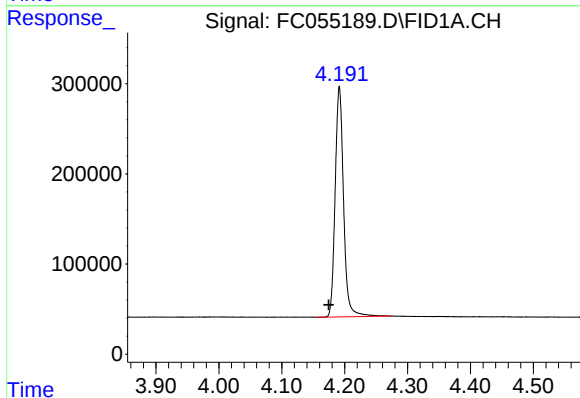
#1 n-Nonane (C9)

R.T.: 3.143 min
Delta R.T.: 0.018 min
Response: 2300835
Conc: 22.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

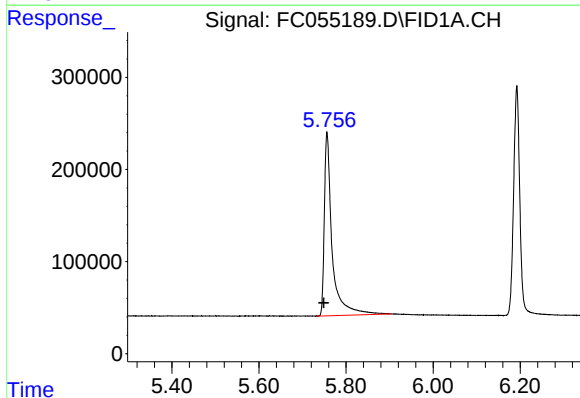
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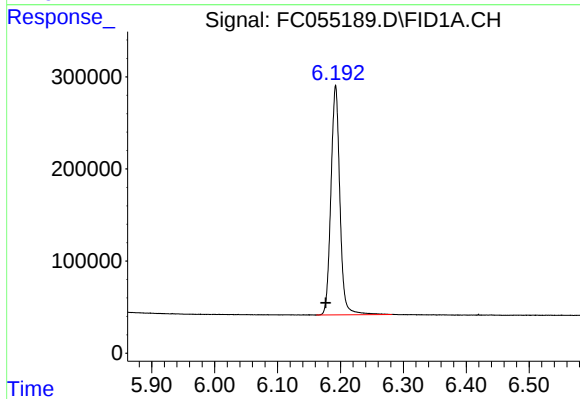
#2 n-Decane (C10)

R.T.: 4.192 min
Delta R.T.: 0.017 min
Response: 2373583
Conc: 22.54 ug/ml



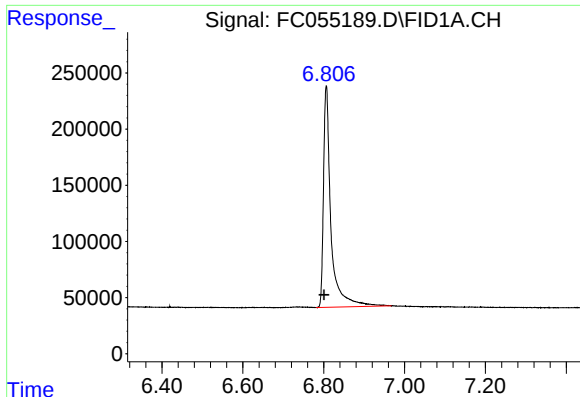
#3 A~Naphthalene (C11.7)

R.T.: 5.757 min
Delta R.T.: 0.008 min
Response: 2490139
Conc: 22.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.192 min
Delta R.T.: 0.015 min
Response: 2463907
Conc: 22.69 ug/ml



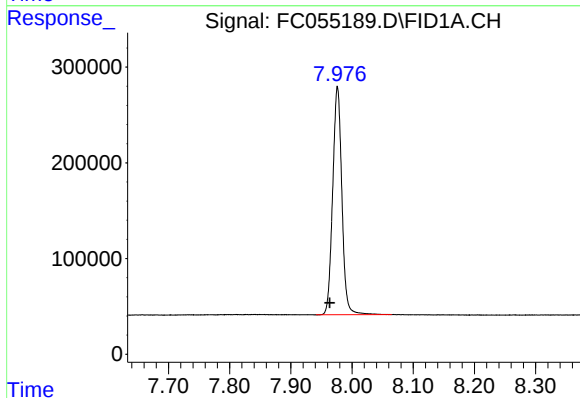
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.807 min
Delta R.T.: 0.006 min
Response: 2540423
Conc: 23.28 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

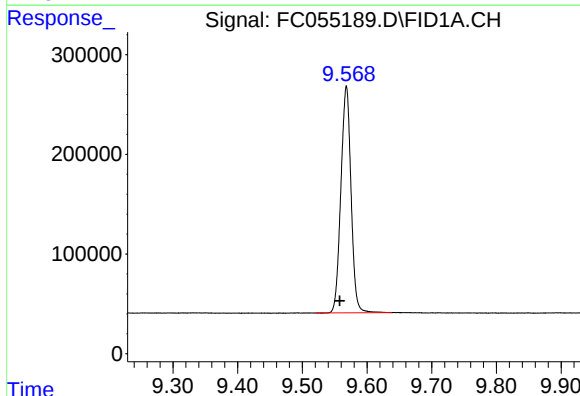
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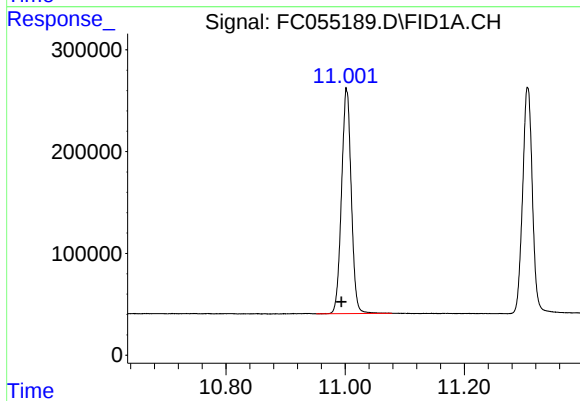
#6 n-Tetradecane (C14)

R.T.: 7.976 min
Delta R.T.: 0.012 min
Response: 2496112
Conc: 22.36 ug/ml



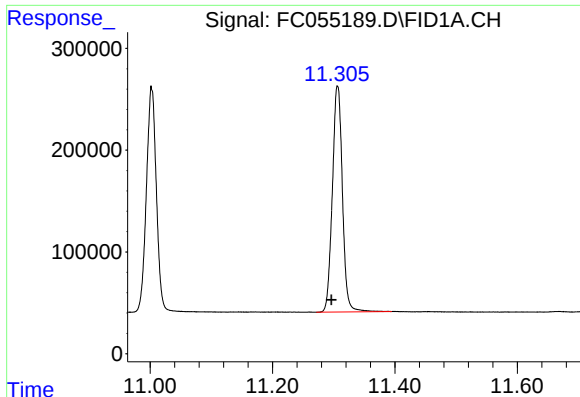
#7 n-Hexadecane (C16)

R.T.: 9.568 min
Delta R.T.: 0.010 min
Response: 2481134
Conc: 21.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.003 min
Delta R.T.: 0.009 min
Response: 2504050
Conc: 21.23 ug/ml



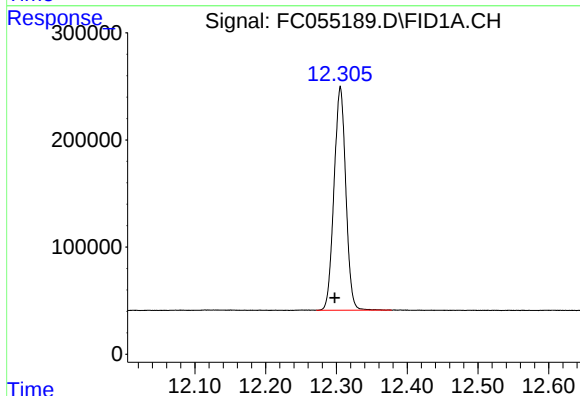
#9 ortho-Terphenyl (SURR)

R.T.: 11.307 min
Delta R.T.: 0.010 min
Response: 2539967
Conc: 20.17 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

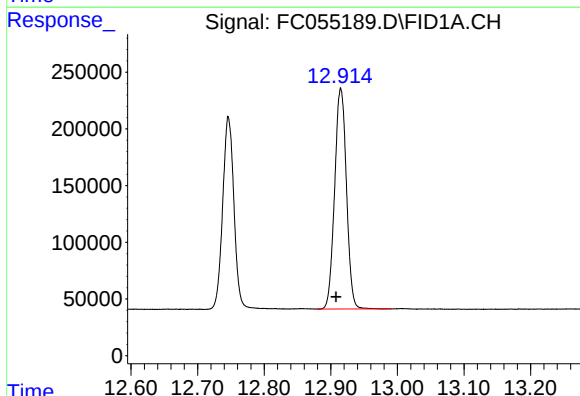
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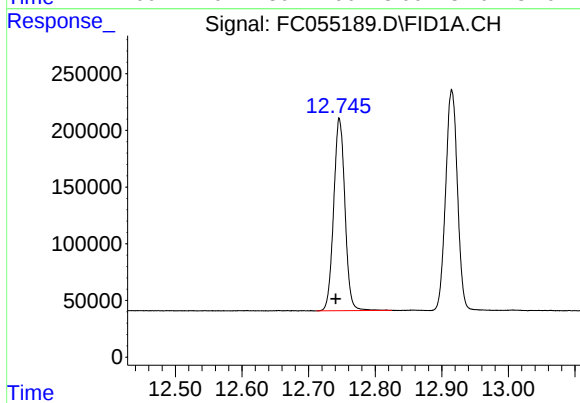
#10 n-Eicosane (C20)

R.T.: 12.305 min
Delta R.T.: 0.008 min
Response: 2411599
Conc: 20.54 ug/ml



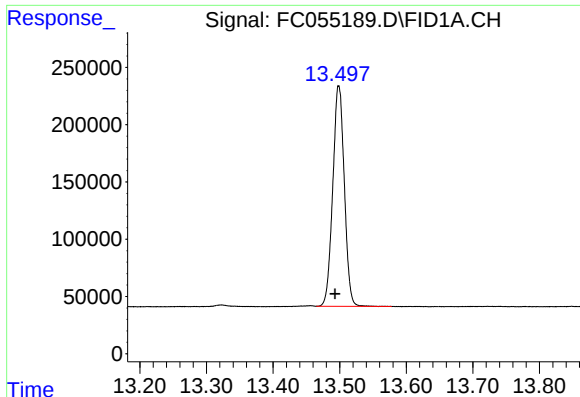
#11 n-Heneicosane (C21)

R.T.: 12.915 min
Delta R.T.: 0.007 min
Response: 2395230
Conc: 20.29 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.746 min
Delta R.T.: 0.006 min
Response: 1995397
Conc: 20.13 ug/ml



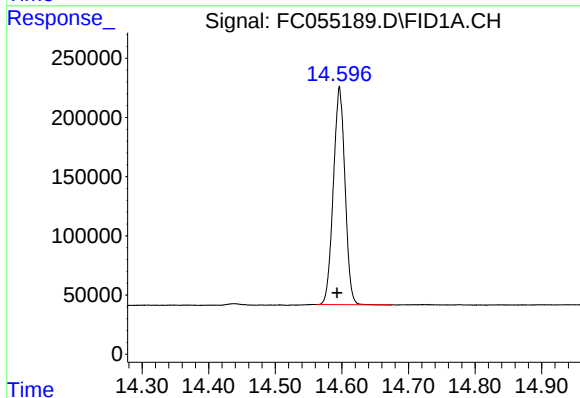
#13 n-Docosane (C22)

R.T.: 13.499 min
Delta R.T.: 0.006 min
Response: 2321006
Conc: 19.87 ug/ml

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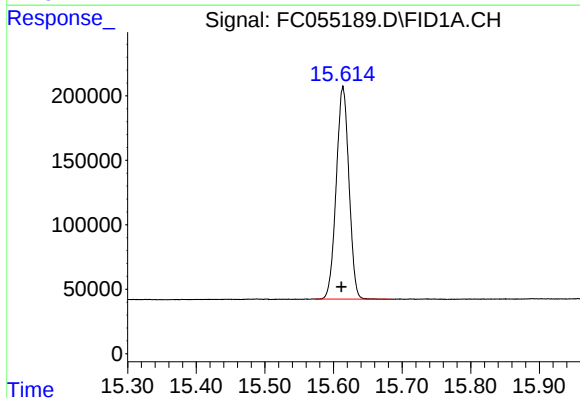
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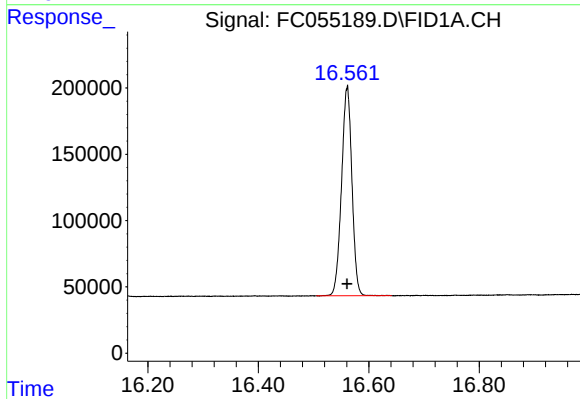
#14 n-Tetracosane (C24)

R.T.: 14.597 min
Delta R.T.: 0.004 min
Response: 2236834
Conc: 19.32 ug/ml



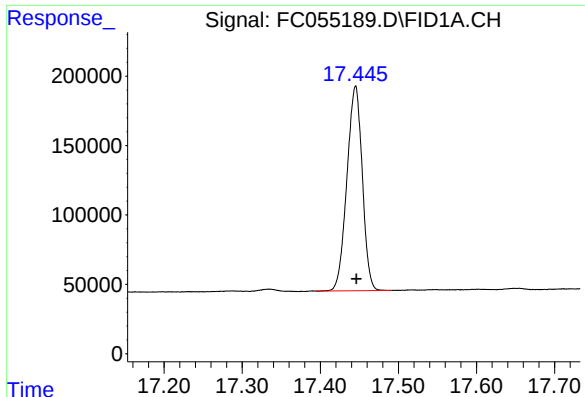
#15 n-Hexacosane (C26)

R.T.: 15.614 min
Delta R.T.: 0.002 min
Response: 2119960
Conc: 18.92 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.561 min
Delta R.T.: 0.000 min
Response: 2060773
Conc: 18.98 ug/ml



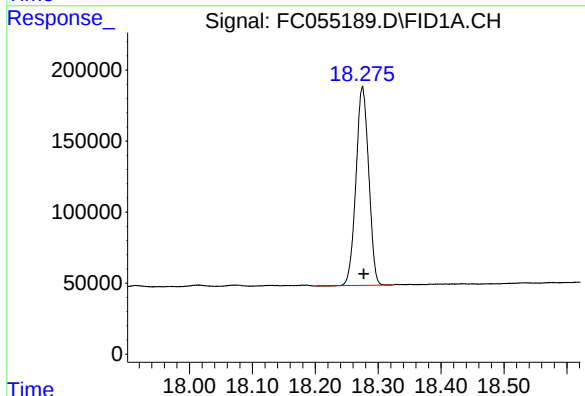
#17 n-Tricontane (C30)

R.T.: 17.445 min
Delta R.T.: -0.001 min
Response: 2016083
Conc: 19.31 ug/ml

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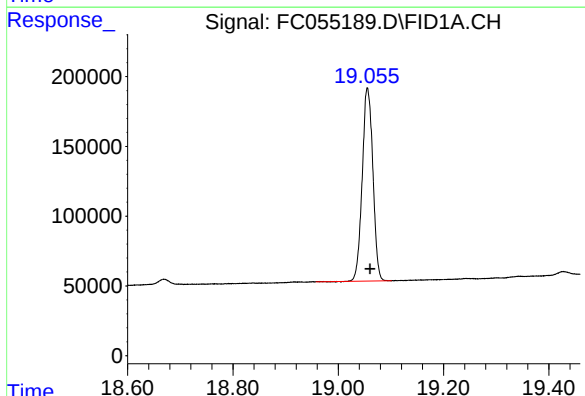
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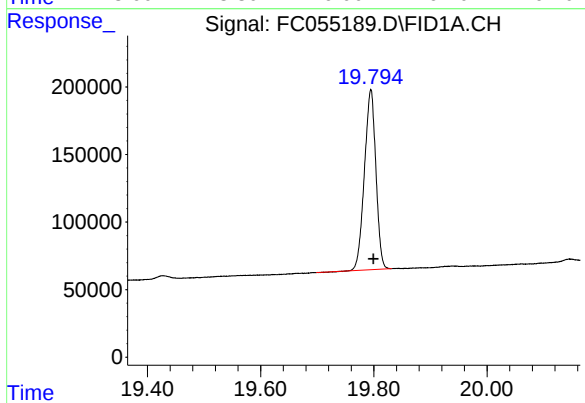
#18 n-Dotriacontane (C32)

R.T.: 18.275 min
Delta R.T.: -0.002 min
Response: 1965478
Conc: 19.85 ug/ml



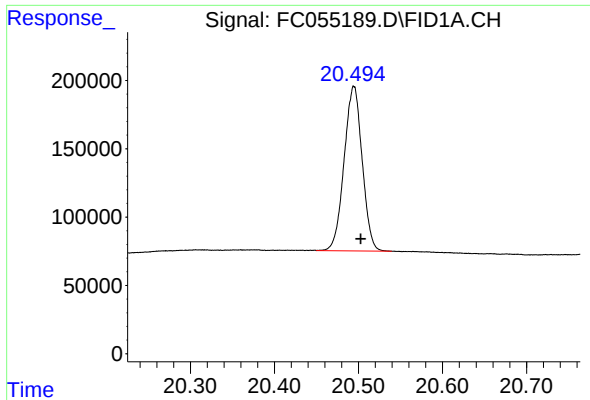
#19 n-Tetratriacontane (C34)

R.T.: 19.056 min
Delta R.T.: -0.005 min
Response: 1938708
Conc: 20.46 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.794 min
Delta R.T.: -0.005 min
Response: 1868499
Conc: 20.68 ug/ml



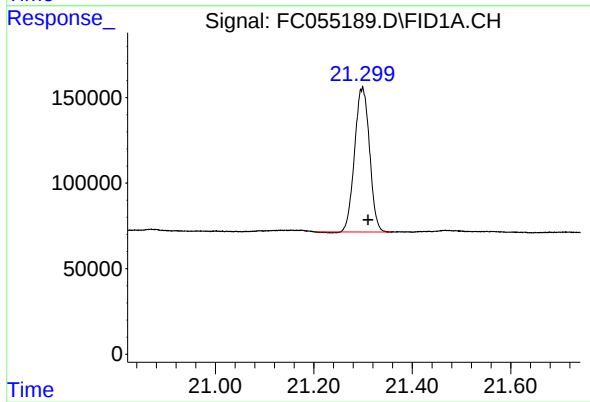
#21 n-Octatriacontane (C38)

R.T.: 20.494 min
Delta R.T.: -0.009 min
Response: 1800580
Conc: 20.84 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.298 min
Delta R.T.: -0.012 min
Response: 1773969
Conc: 19.92 ug/ml