

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051322AL\
 Data File : FC059746.D
 Signal(s) : FID1A.CH
 Acq On : 13 May 2022 13:26
 Operator : UA/NP
 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

Reviewed By :Yogesh Patel 05/16/2022
 Supervised By :mohammad ahmed 05/16/2022

Integration File: sample.E
 Quant Time: May 13 23:53:41 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050522.M
 Quant Title : GC Extractables
 QLast Update : Mon May 09 11:12:42 2022
 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)	10.649	2849409	19.404 ug/ml
Spiked Amount 50.000		Recovery =	38.81%
12) S 1-chlorooctadecane (S...	12.018	2236208	19.432 ug/ml
Spiked Amount 50.000		Recovery =	38.86%
Target Compounds			
1) T n-Nonane (C9)	2.632	2506496	19.628 ug/ml
2) T n-Decane (C10)	3.631	2551769	20.149 ug/ml
3) T A~Naphthalene (C11.7)	5.166	2942952	19.987 ug/ml
4) T n-Dodecane (C12)	5.583	2653197	20.175 ug/ml
5) T A~2-methylnaphthalene...	6.189	2987605	19.875 ug/ml
6) T n-Tetradecane (C14)	7.333	2697636	20.048 ug/ml
7) T n-Hexadecane (C16)	8.896	2739841	19.968 ug/ml
8) T n-Octadecane (C18)	10.305	2732584	19.829 ug/ml
10) T n-Eicosane (C20)	11.583	2646486	19.677 ug/ml
11) T n-Heneicosane (C21)	12.183	2597264	19.469 ug/ml
13) T n-Docosane (C22)	12.755	2583827	19.688 ug/ml
14) T n-Tetracosane (C24)	13.832	2544128	20.220 ug/ml
15) T n-Hexacosane (C26)	14.829	2385261	19.972 ug/ml
16) T n-Octacosane (C28)	15.757	2369913	20.817 ug/ml
17) T n-Tricontane (C30)	16.625	2436320	22.164 ug/ml
18) T n-Dotriacontane (C32)	17.438	2375364	22.976 ug/mlm
19) T n-Tetratriacontane (C34)	18.200	2194616	22.479 ug/mlm
20) T n-Hexatriacontane (C36)	18.924	2004032	21.587 ug/mlm
21) T n-Octatriacontane (C38)	19.607	1938631	20.365 ug/mlm
22) T n-Tetracontane (C40)	20.255	1942545	20.520 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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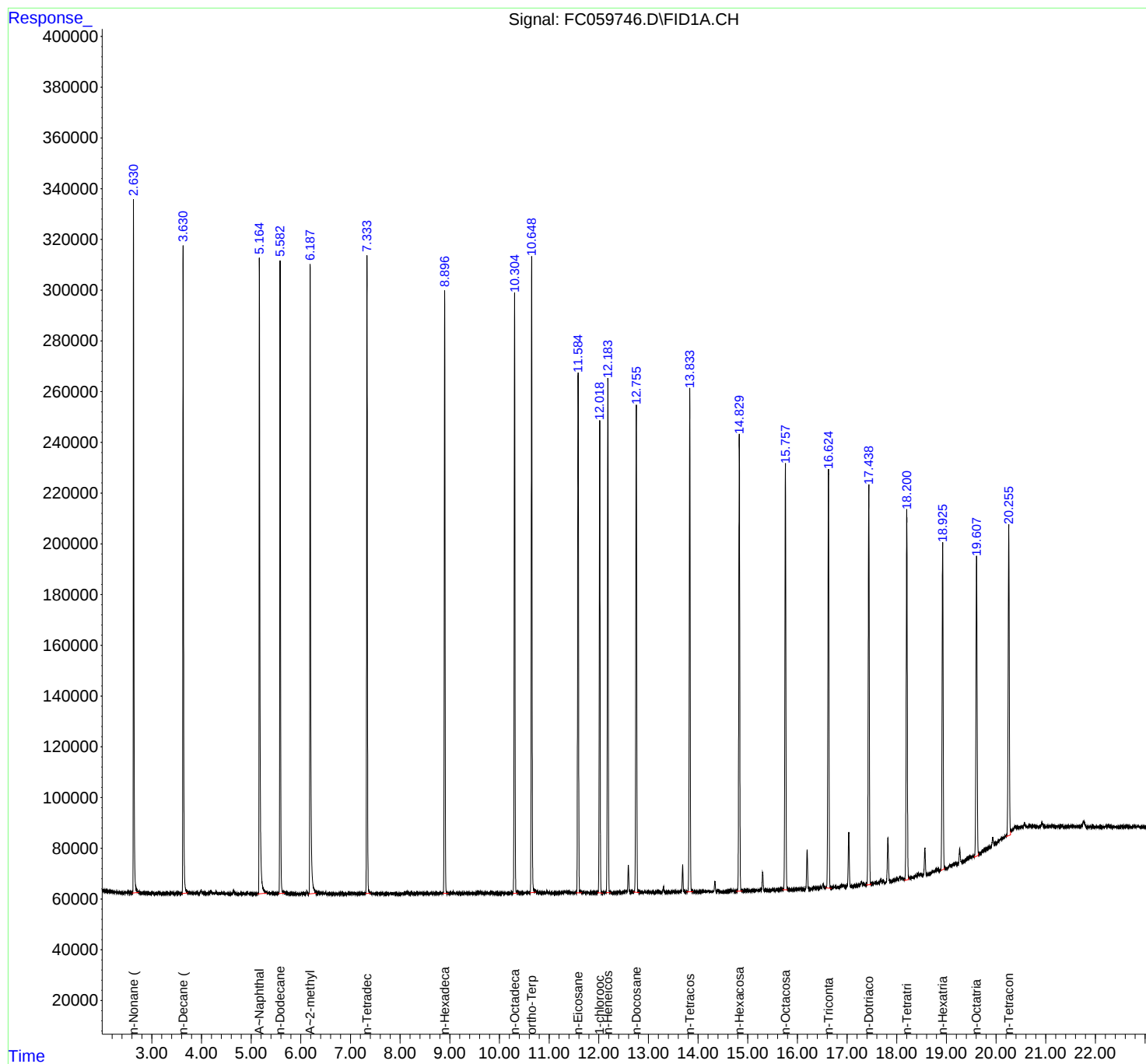
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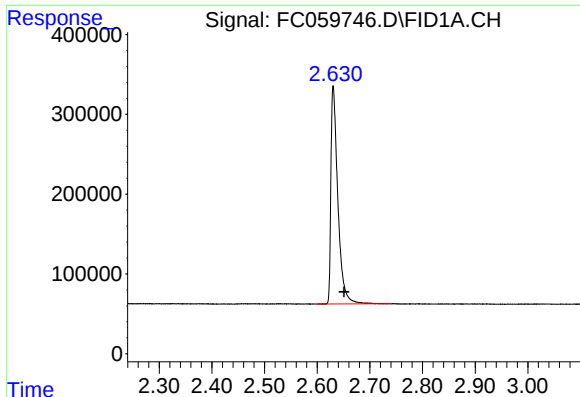
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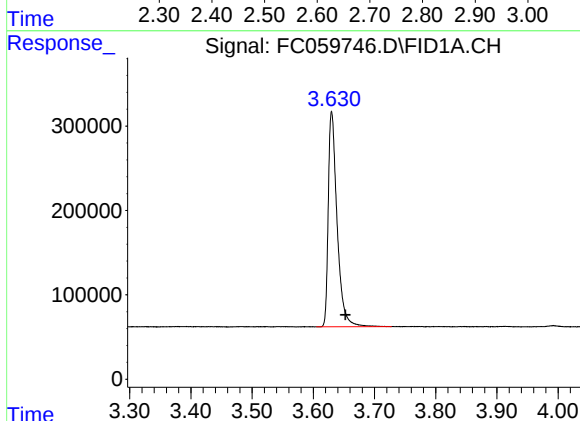
#1 n-Nonane (C9)

R.T.: 2.632 min
Delta R.T.: -0.019 min
Response: 2506496
Conc: 19.63 ug/ml

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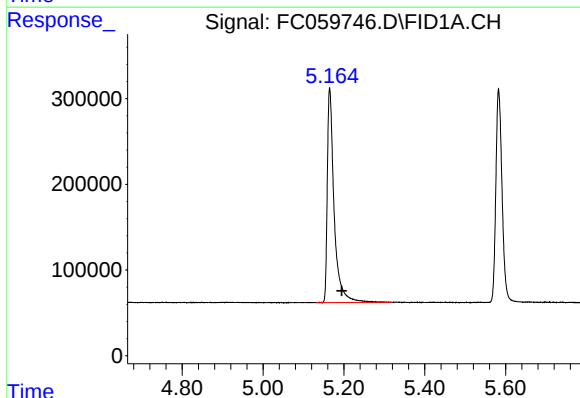
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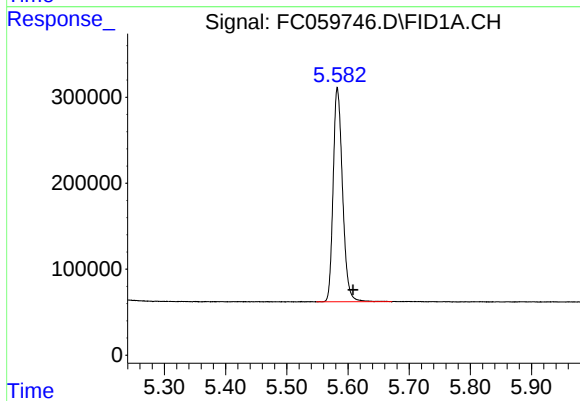
#2 n-Decane (C10)

R.T.: 3.631 min
Delta R.T.: -0.022 min
Response: 2551769
Conc: 20.15 ug/ml



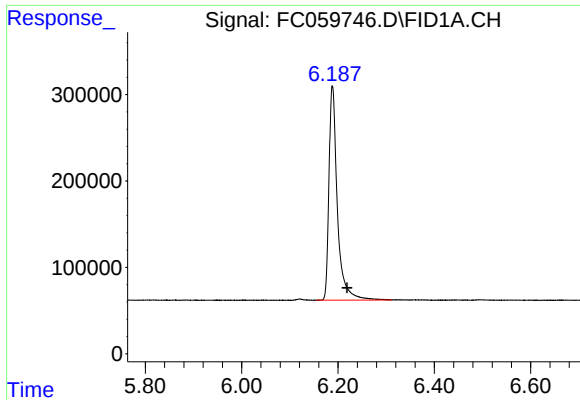
#3 A~Naphthalene (C11.7)

R.T.: 5.166 min
Delta R.T.: -0.029 min
Response: 2942952
Conc: 19.99 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.583 min
Delta R.T.: -0.026 min
Response: 2653197
Conc: 20.18 ug/ml



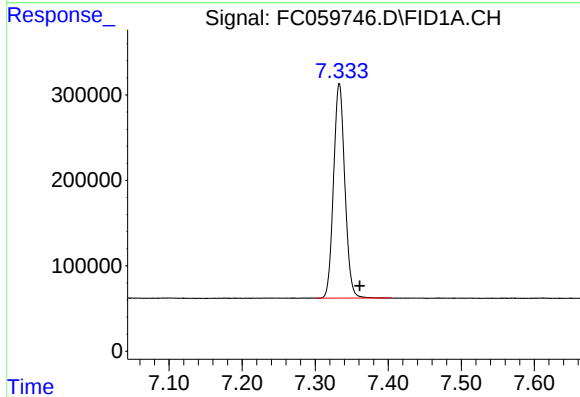
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.189 min
Delta R.T.: -0.030 min
Response: 2987605
Conc: 19.88 ug/ml

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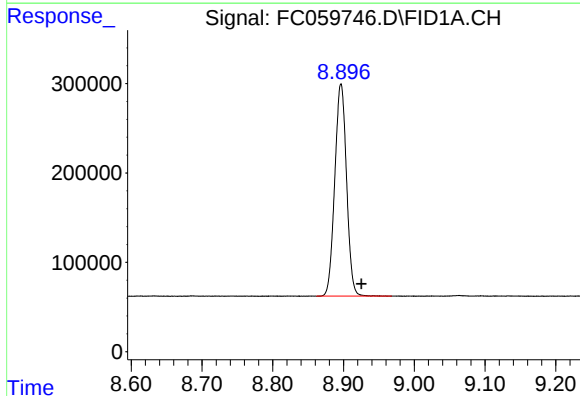
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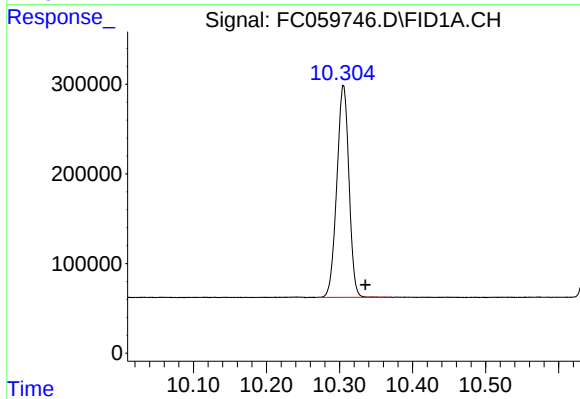
#6 n-Tetradecane (C14)

R.T.: 7.333 min
Delta R.T.: -0.028 min
Response: 2697636
Conc: 20.05 ug/ml



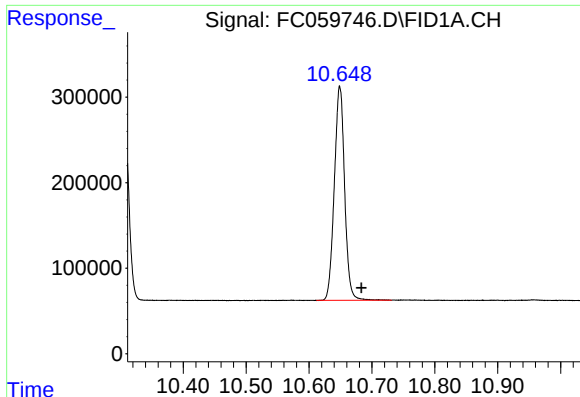
#7 n-Hexadecane (C16)

R.T.: 8.896 min
Delta R.T.: -0.029 min
Response: 2739841
Conc: 19.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.305 min
Delta R.T.: -0.030 min
Response: 2732584
Conc: 19.83 ug/ml



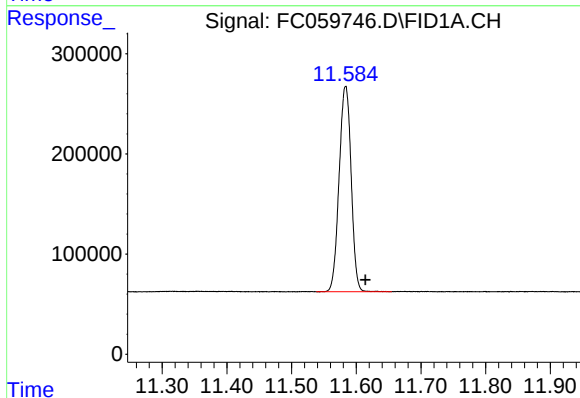
#9 ortho-Terphenyl (SURR)

R.T.: 10.649 min
Delta R.T.: -0.034 min
Response: 2849409
Conc: 19.40 ug/ml

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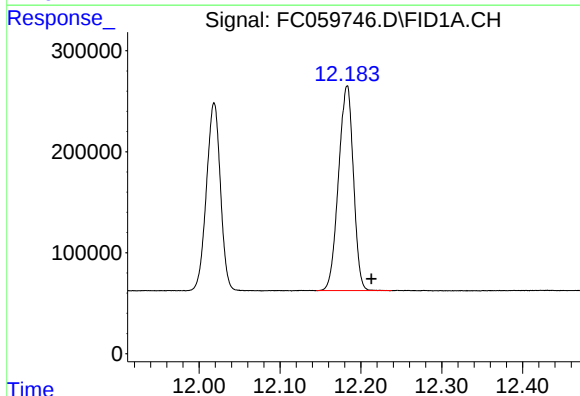
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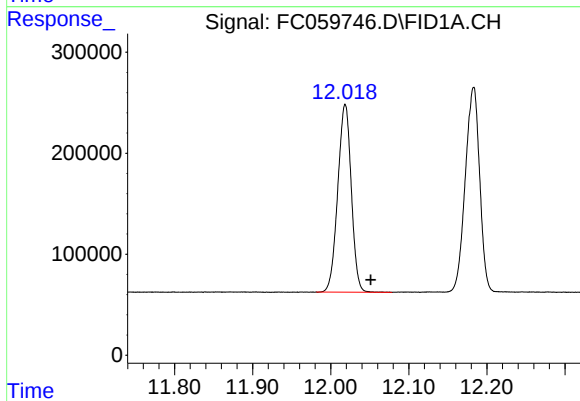
#10 n-Eicosane (C20)

R.T.: 11.583 min
Delta R.T.: -0.031 min
Response: 2646486
Conc: 19.68 ug/ml



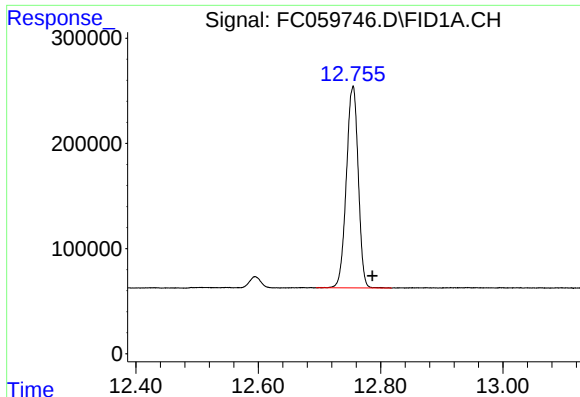
#11 n-Heneicosane (C21)

R.T.: 12.183 min
Delta R.T.: -0.030 min
Response: 2597264
Conc: 19.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.018 min
Delta R.T.: -0.033 min
Response: 2236208
Conc: 19.43 ug/ml



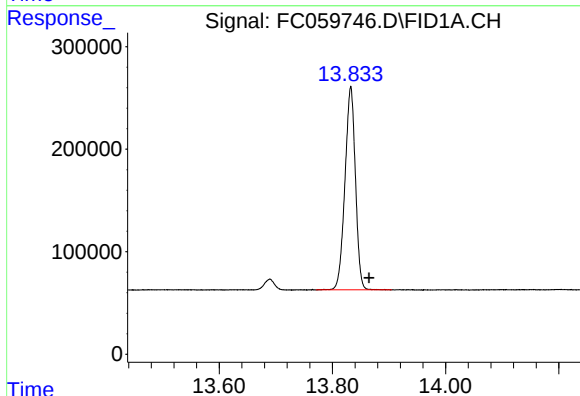
#13 n-Docosane (C22)

R.T.: 12.755 min
Delta R.T.: -0.032 min
Response: 2583827
Conc: 19.69 ug/ml

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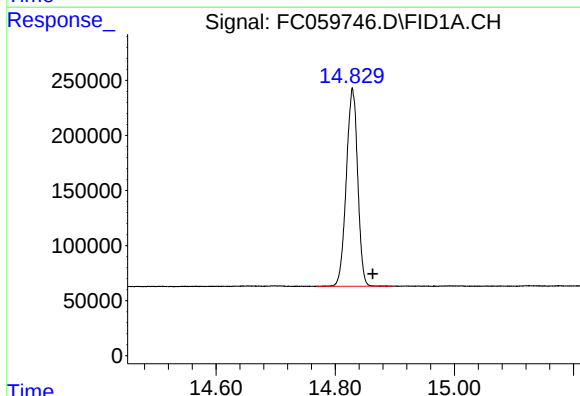
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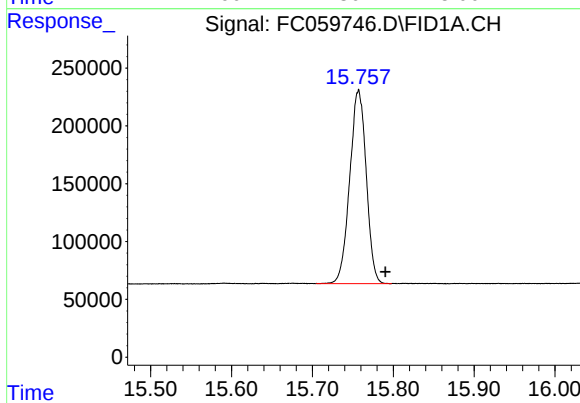
#14 n-Tetracosane (C24)

R.T.: 13.832 min
Delta R.T.: -0.032 min
Response: 2544128
Conc: 20.22 ug/ml



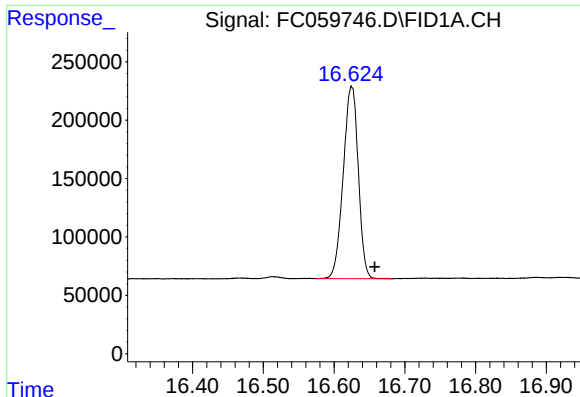
#15 n-Hexacosane (C26)

R.T.: 14.829 min
Delta R.T.: -0.034 min
Response: 2385261
Conc: 19.97 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.757 min
Delta R.T.: -0.033 min
Response: 2369913
Conc: 20.82 ug/ml



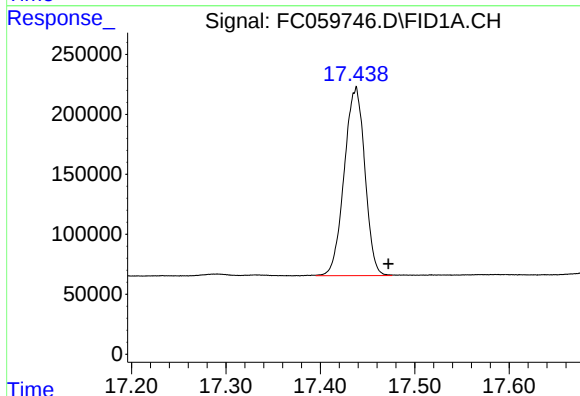
#17 n-Tricontane (C30)

R.T.: 16.625 min
Delta R.T.: -0.033 min
Response: 2436320
Conc: 22.16 ug/ml

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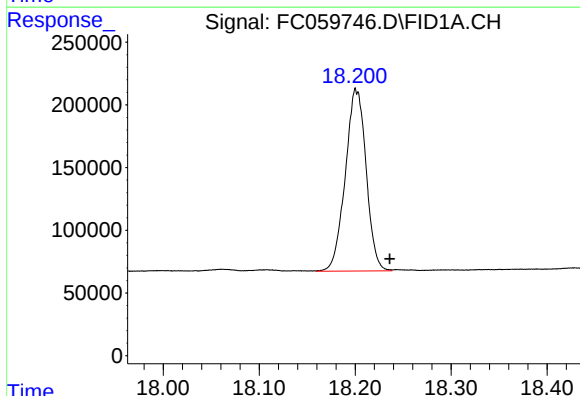
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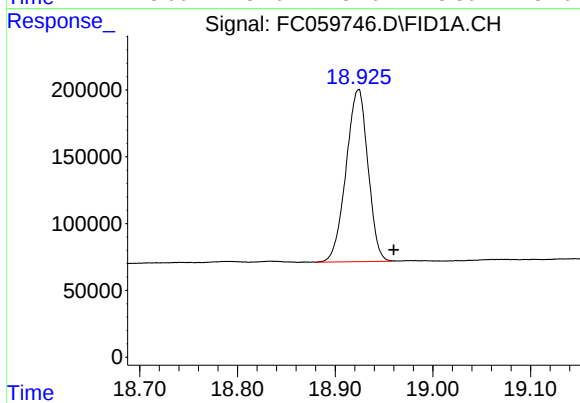
#18 n-Dotriacontane (C32)

R.T.: 17.438 min
Delta R.T.: -0.034 min
Response: 2375364
Conc: 22.98 ug/ml m



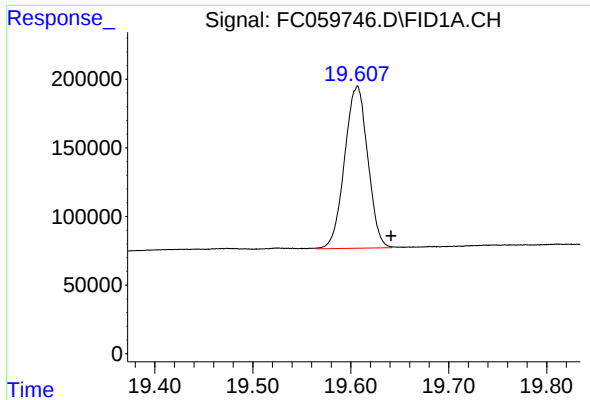
#19 n-Tetratriacontane (C34)

R.T.: 18.200 min
Delta R.T.: -0.036 min
Response: 2194616
Conc: 22.48 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.924 min
Delta R.T.: -0.036 min
Response: 2004032
Conc: 21.59 ug/ml m



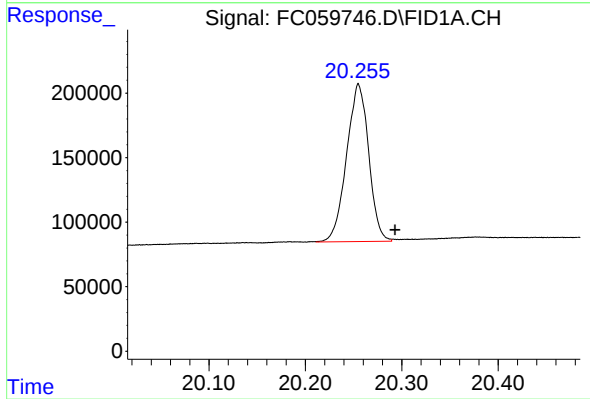
#21 n-Octatriacontane (C38)

R.T.: 19.607 min
Delta R.T.: -0.034 min
Response: 1938631
Conc: 20.37 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.255 min
Delta R.T.: -0.038 min
Response: 1942545
Conc: 20.52 ug/ml m