

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051722AL\
 Data File : FC059798.D
 Signal(s) : FID1A.CH
 Acq On : 17 May 2022 10:44
 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 05/18/2022
 Supervised By :mohammad ahmed 05/18/2022

Integration File: autoint1.e
 Quant Time: May 17 15:21:27 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)	10.650	2794238	19.028 ug/ml
Spiked Amount 50.000		Recovery =	38.06%
12) S 1-chlorooctadecane (S...	12.020	2193329	19.059 ug/ml
Spiked Amount 50.000		Recovery =	38.12%
Target Compounds			
1) T n-Nonane (C9)	2.627	2496245	19.547 ug/ml
2) T n-Decane (C10)	3.627	2583316	20.398 ug/ml
3) T A~Naphthalene (C11.7)	5.163	2915293	19.799 ug/ml
4) T n-Dodecane (C12)	5.581	2693511	20.482 ug/ml
5) T A~2-methylnaphthalene...	6.188	2977671	19.809 ug/ml
6) T n-Tetradecane (C14)	7.333	2724360	20.247 ug/ml
7) T n-Hexadecane (C16)	8.897	2740248	19.971 ug/ml
8) T n-Octadecane (C18)	10.306	2703724	19.620 ug/ml
10) T n-Eicosane (C20)	11.585	2586074	19.228 ug/ml
11) T n-Heneicosane (C21)	12.184	2538919	19.032 ug/ml
13) T n-Docosane (C22)	12.757	2532145	19.294 ug/ml
14) T n-Tetracosane (C24)	13.835	2489845	19.789 ug/ml
15) T n-Hexacosane (C26)	14.833	2356964	19.735 ug/ml
16) T n-Octacosane (C28)	15.761	2389806	20.992 ug/ml
17) T n-Tricontane (C30)	16.628	2531817	23.032 ug/ml
18) T n-Dotriacontane (C32)	17.443	2471528	23.907 ug/mlm
19) T n-Tetratriacontane (C34)	18.208	2257830	23.126 ug/mlm
20) T n-Hexatriacontane (C36)	18.929	2069950	22.297 ug/mlm
21) T n-Octatriacontane (C38)	19.613	1949450	20.479 ug/mlm
22) T n-Tetracontane (C40)	20.261	1943100	20.526 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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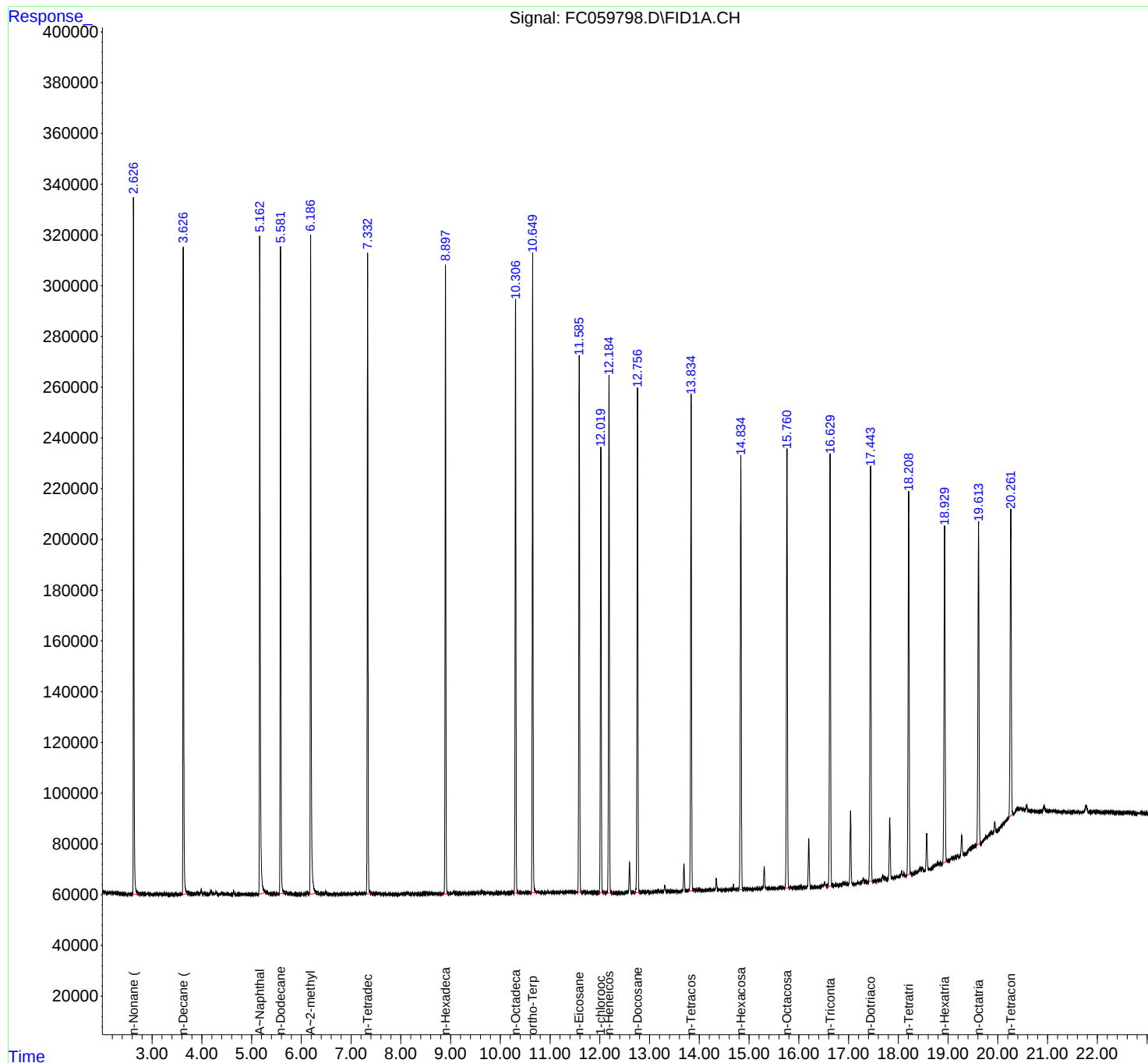
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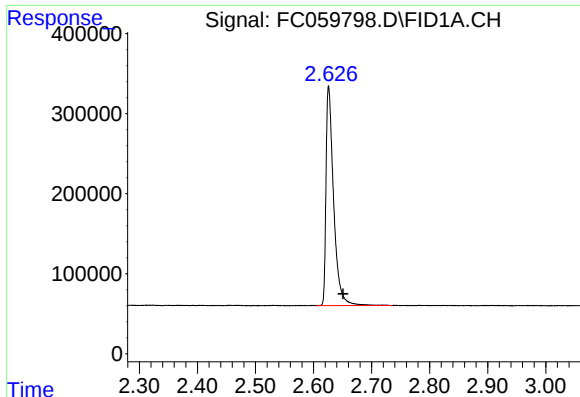
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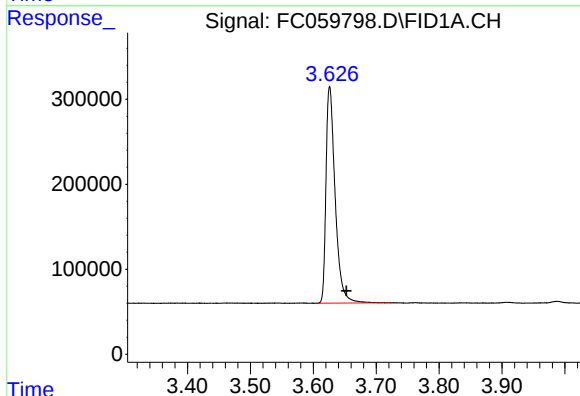
#1 n-Nonane (C9)

R.T.: 2.627 min
Delta R.T.: -0.024 min
Response: 2496245
Conc: 19.55 ug/ml

Instrument :
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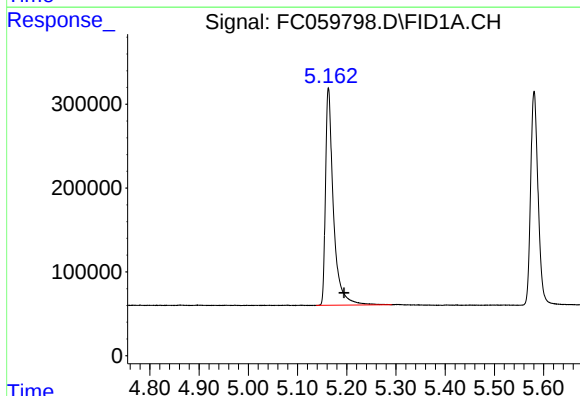
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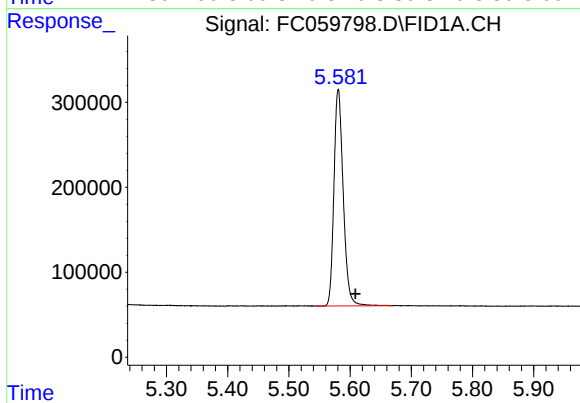
#2 n-Decane (C10)

R.T.: 3.627 min
Delta R.T.: -0.026 min
Response: 2583316
Conc: 20.40 ug/ml



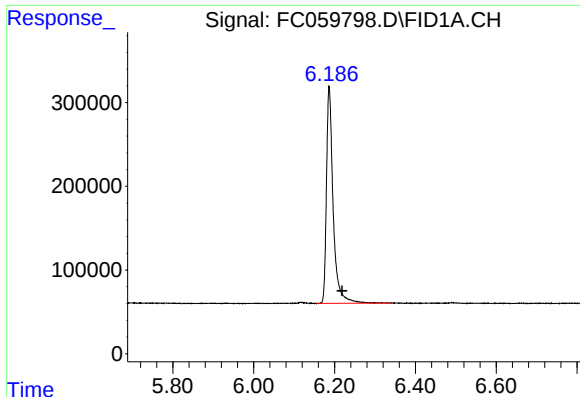
#3 A~Naphthalene (C11.7)

R.T.: 5.163 min
Delta R.T.: -0.031 min
Response: 2915293
Conc: 19.80 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.581 min
Delta R.T.: -0.027 min
Response: 2693511
Conc: 20.48 ug/ml



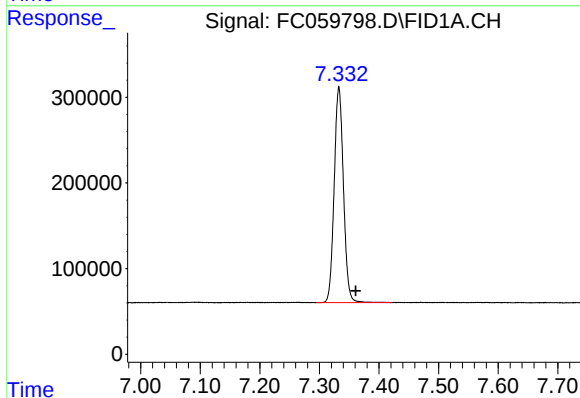
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.188 min
Delta R.T.: -0.031 min
Response: 2977671
Conc: 19.81 ug/ml

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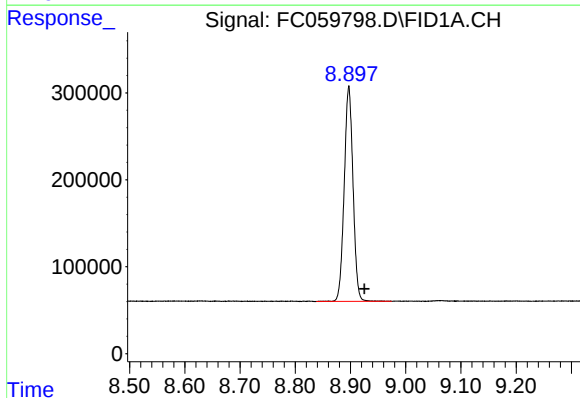
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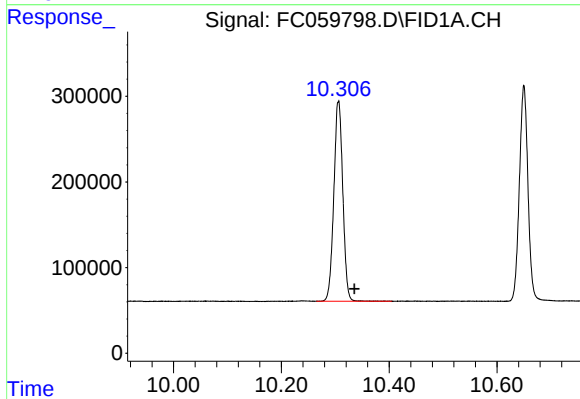
#6 n-Tetradecane (C14)

R.T.: 7.333 min
Delta R.T.: -0.028 min
Response: 2724360
Conc: 20.25 ug/ml



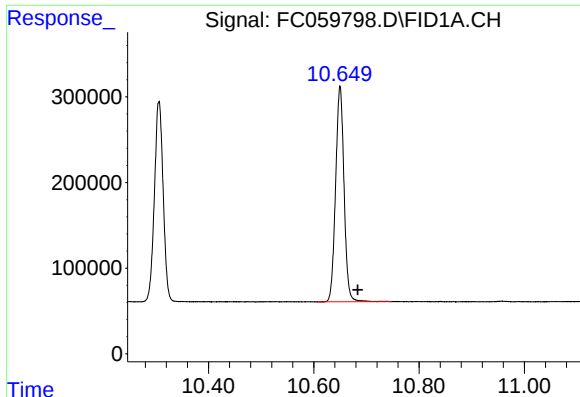
#7 n-Hexadecane (C16)

R.T.: 8.897 min
Delta R.T.: -0.028 min
Response: 2740248
Conc: 19.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.306 min
Delta R.T.: -0.029 min
Response: 2703724
Conc: 19.62 ug/ml



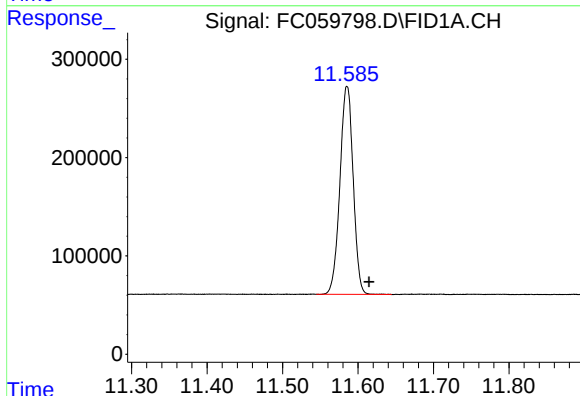
#9 ortho-Terphenyl (SURR)

R.T.: 10.650 min
Delta R.T.: -0.034 min
Response: 2794238
Conc: 19.03 ug/ml

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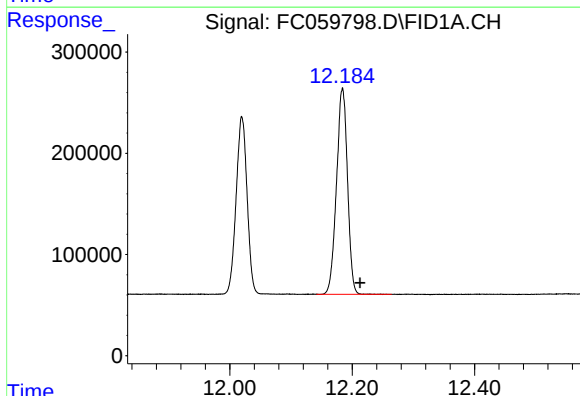
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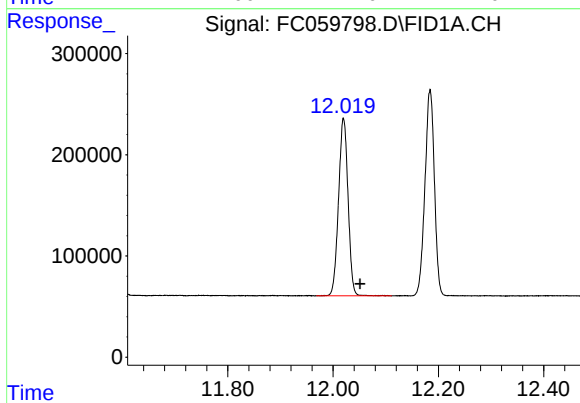
#10 n-Eicosane (C20)

R.T.: 11.585 min
Delta R.T.: -0.029 min
Response: 2586074
Conc: 19.23 ug/ml



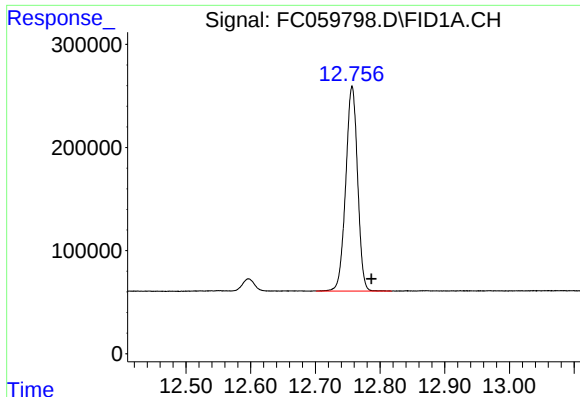
#11 n-Heneicosane (C21)

R.T.: 12.184 min
Delta R.T.: -0.029 min
Response: 2538919
Conc: 19.03 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.020 min
Delta R.T.: -0.031 min
Response: 2193329
Conc: 19.06 ug/ml



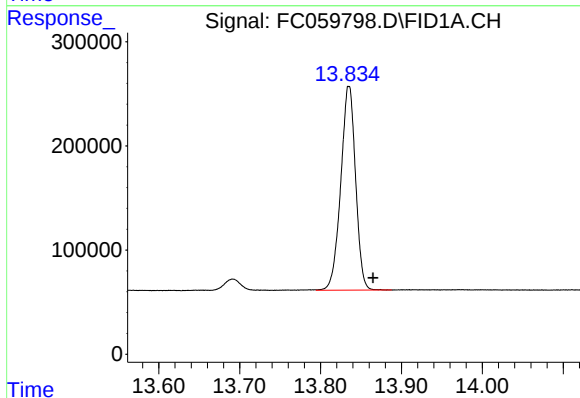
#13 n-Docosane (C22)

R.T.: 12.757 min
Delta R.T.: -0.030 min
Response: 2532145
Conc: 19.29 ug/ml

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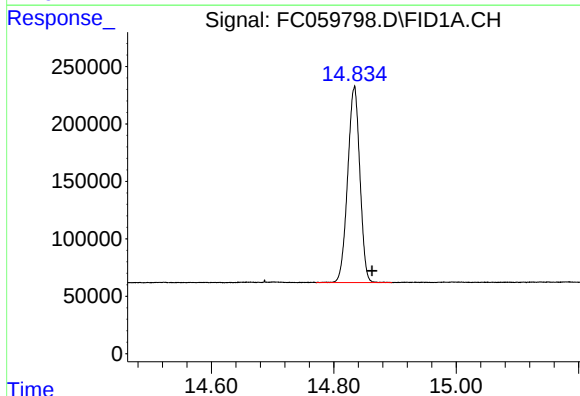
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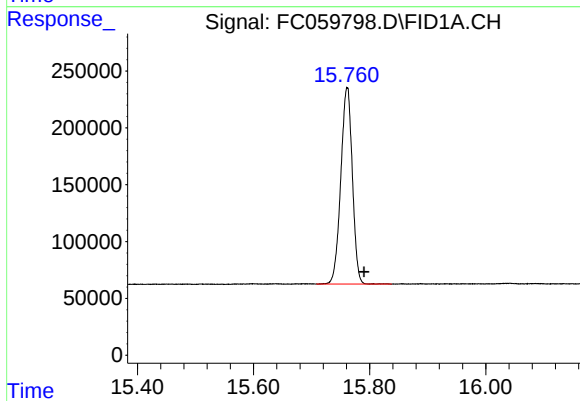
#14 n-Tetracosane (C24)

R.T.: 13.835 min
Delta R.T.: -0.030 min
Response: 2489845
Conc: 19.79 ug/ml



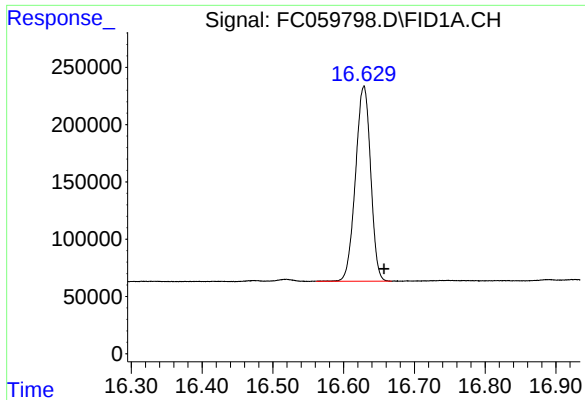
#15 n-Hexacosane (C26)

R.T.: 14.833 min
Delta R.T.: -0.030 min
Response: 2356964
Conc: 19.74 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.761 min
Delta R.T.: -0.029 min
Response: 2389806
Conc: 20.99 ug/ml



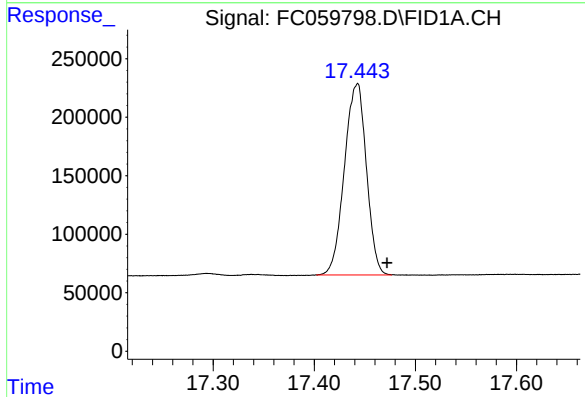
#17 n-Tricontane (C30)

R.T.: 16.628 min
Delta R.T.: -0.029 min
Response: 2531817
Conc: 23.03 ug/ml

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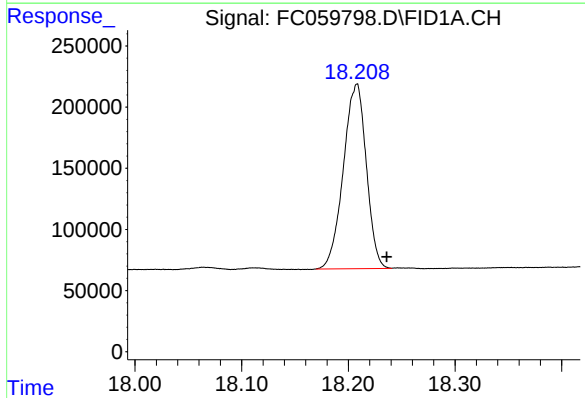
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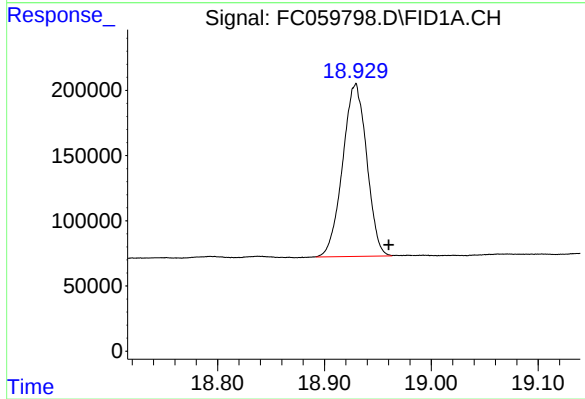
#18 n-Dotriacontane (C32)

R.T.: 17.443 min
Delta R.T.: -0.029 min
Response: 2471528
Conc: 23.91 ug/ml m



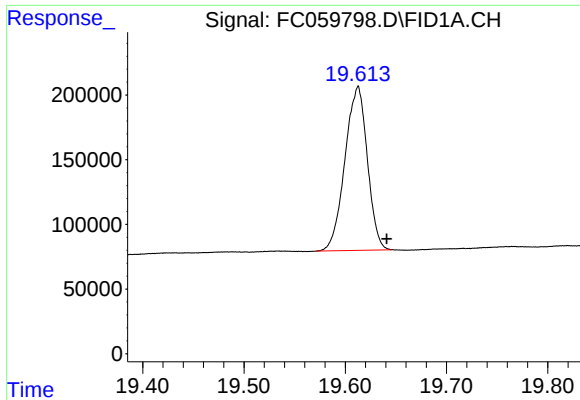
#19 n-Tetratriacontane (C34)

R.T.: 18.208 min
Delta R.T.: -0.028 min
Response: 2257830
Conc: 23.13 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.929 min
Delta R.T.: -0.031 min
Response: 2069950
Conc: 22.30 ug/ml m



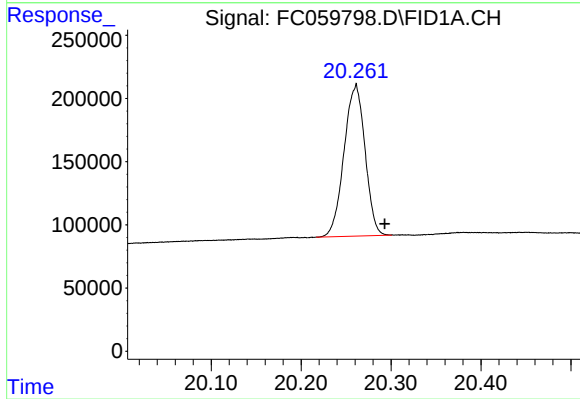
#21 n-Octatriacontane (C38)

R.T.: 19.613 min
Delta R.T.: -0.028 min
Response: 1949450
Conc: 20.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.261 min
Delta R.T.: -0.032 min
Response: 1943100
Conc: 20.53 ug/ml m