

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051024AL\
 Data File : FC066375.D
 Signal(s) : FID1A.ch
 Acq On : 10 May 2024 13:50
 Operator : YP/AJ
 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 05/13/2024
 Supervised By :Ankita Jodhani 05/13/2024

Integration File: autoint1.e
 Quant Time: May 11 00:53:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
 Quant Title : GC Extractables
 QLast Update : Thu May 02 09:03:15 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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)	11.559	2768761	16.746 ug/ml
Spiked Amount 50.000		Recovery =	33.49%
12) S 1-chlorooctadecane (S...	13.000	2058930	16.786 ug/ml
Spiked Amount 50.000		Recovery =	33.57%
Target Compounds			
1) T n-Nonane (C9)	3.314	2427208	16.071 ug/ml
2) T n-Decane (C10)	4.383	2498559	16.247 ug/ml
3) T A~Naphthalene (C11.7)	5.966	2777271	16.347 ug/ml
4) T n-Dodecane (C12)	6.404	2525265	16.432 ug/ml
5) T A~2-methylnaphthalene...	7.023	2702345	16.397 ug/ml
6) T n-Tetradecane (C14)	8.201	2500587	16.523 ug/ml
7) T n-Hexadecane (C16)	9.803	2564484	16.771 ug/ml
8) T n-Octadecane (C18)	11.246	2561676	16.876 ug/ml
10) T n-Eicosane (C20)	12.556	2435917	16.933 ug/ml
11) T n-Heneicosane (C21)	13.168	2382235	16.947 ug/ml
13) T n-Docosane (C22)	13.755	2377847	16.984 ug/ml
14) T n-Tetracosane (C24)	14.857	2345962	16.664 ug/ml
15) T n-Hexacosane (C26)	15.879	2288765	16.733 ug/ml
16) T n-Octacosane (C28)	16.829	2250974	16.808 ug/ml
17) T n-Tricontane (C30)	17.718	2317537	17.197 ug/ml
18) T n-Dotriacontane (C32)	18.552	2291879	17.800 ug/mlm
19) T n-Tetratriacontane (C34)	19.336	2243986	18.966 ug/ml
20) T n-Hexatriacontane (C36)	20.076	2288481	19.909 ug/ml
21) T n-Octatriacontane (C38)	20.811	2427524	22.553 ug/ml
22) T n-Tetracontane (C40)	21.723	2458292	22.925 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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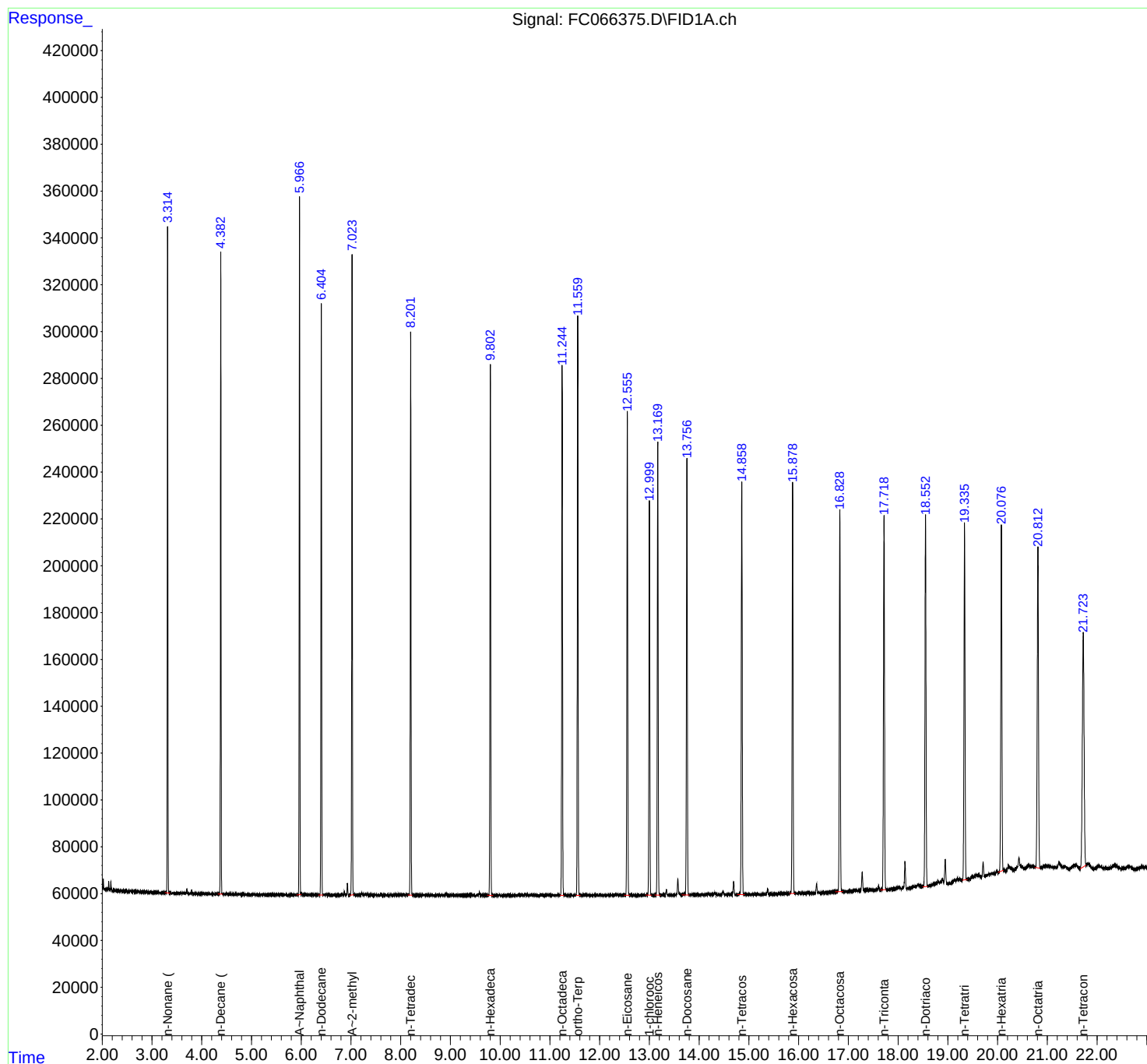
Instrument :
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20 PPM ALIPHATIC HC STD

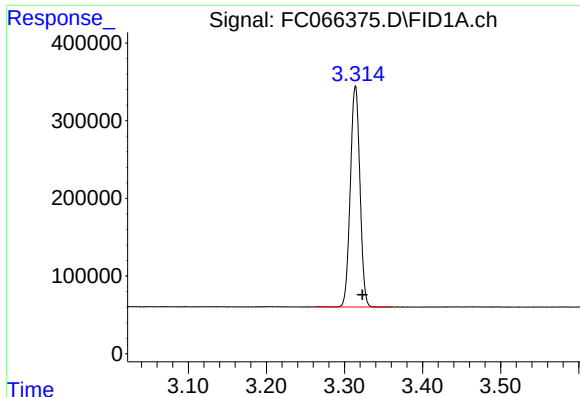
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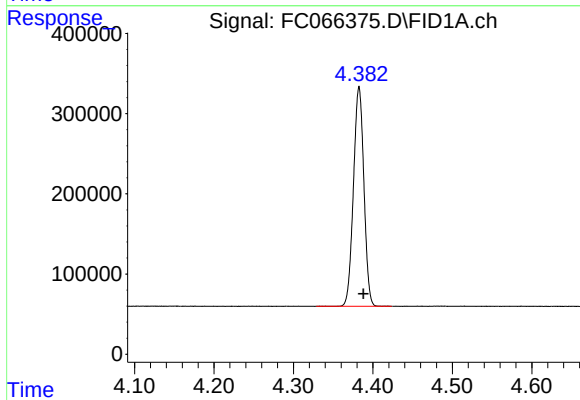
#1 n-Nonane (C9)

R.T.: 3.314 min
Delta R.T.: -0.009 min
Response: 2427208
Conc: 16.07 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

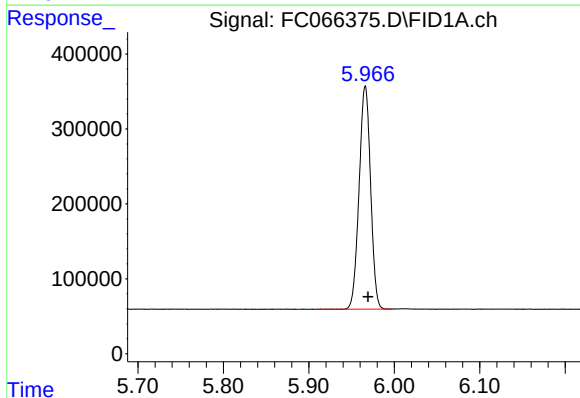
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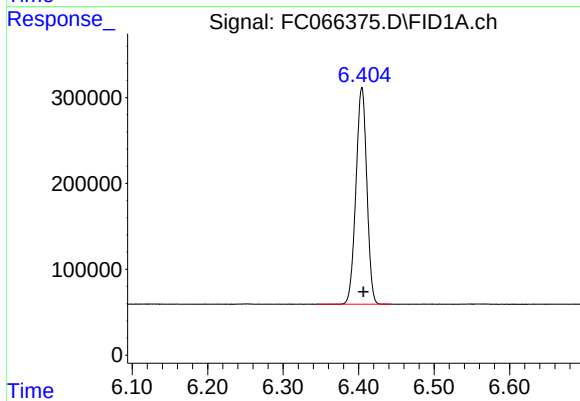
#2 n-Decane (C10)

R.T.: 4.383 min
Delta R.T.: -0.005 min
Response: 2498559
Conc: 16.25 ug/ml



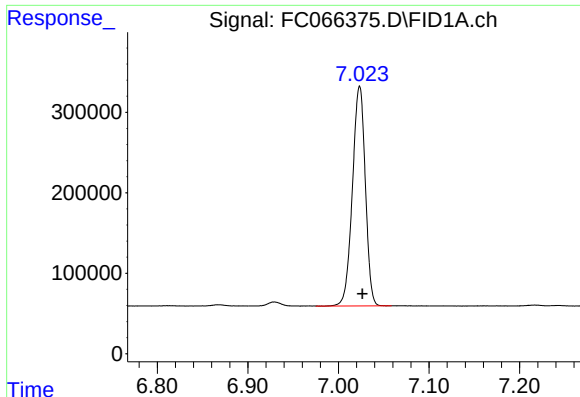
#3 A~Naphthalene (C11.7)

R.T.: 5.966 min
Delta R.T.: -0.003 min
Response: 2777271
Conc: 16.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.404 min
Delta R.T.: -0.002 min
Response: 2525265
Conc: 16.43 ug/ml



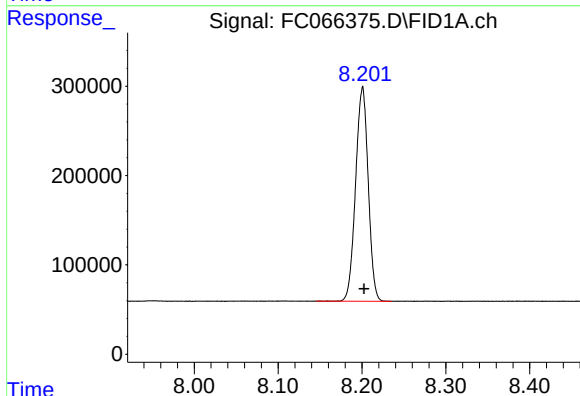
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.023 min
Delta R.T.: -0.003 min
Response: 2702345
Conc: 16.40 ug/ml

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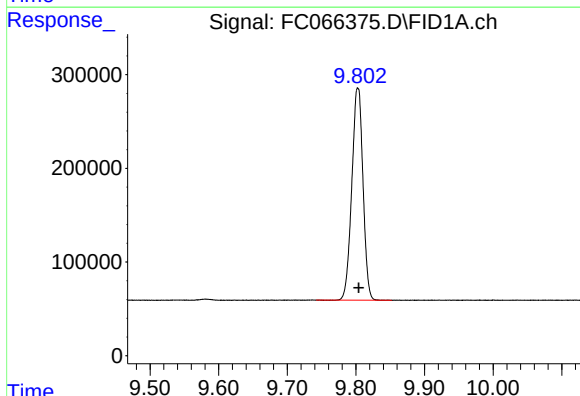
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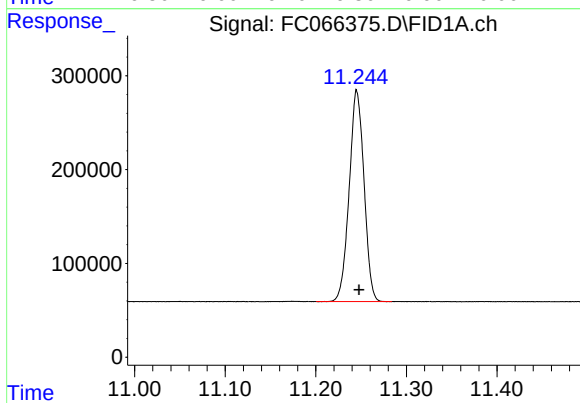
#6 n-Tetradecane (C14)

R.T.: 8.201 min
Delta R.T.: -0.002 min
Response: 2500587
Conc: 16.52 ug/ml



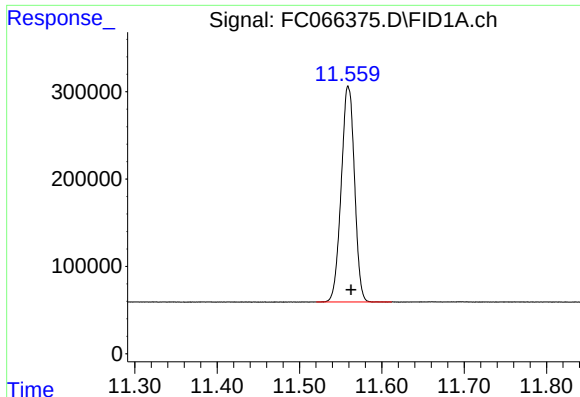
#7 n-Hexadecane (C16)

R.T.: 9.803 min
Delta R.T.: -0.001 min
Response: 2564484
Conc: 16.77 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.246 min
Delta R.T.: -0.002 min
Response: 2561676
Conc: 16.88 ug/ml



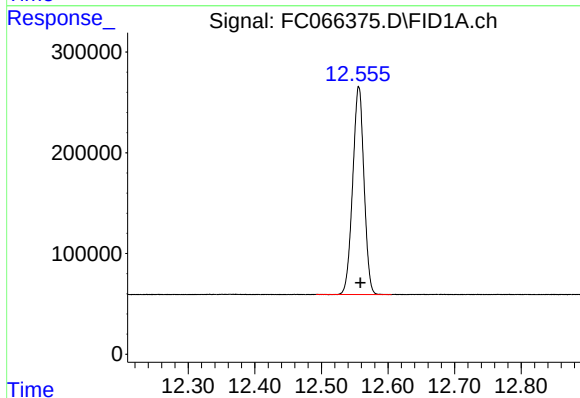
#9 ortho-Terphenyl (SURR)

R.T.: 11.559 min
Delta R.T.: -0.003 min
Response: 2768761
Conc: 16.75 ug/ml

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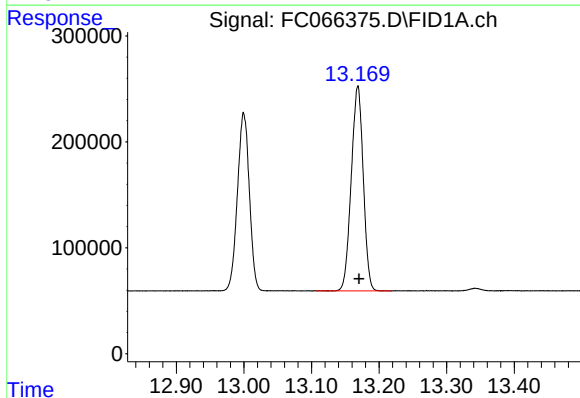
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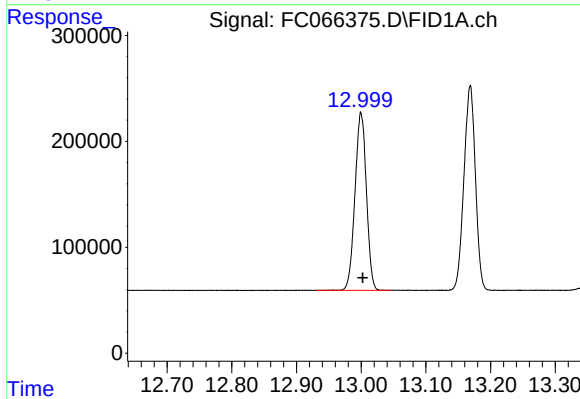
#10 n-Eicosane (C20)

R.T.: 12.556 min
Delta R.T.: -0.002 min
Response: 2435917
Conc: 16.93 ug/ml



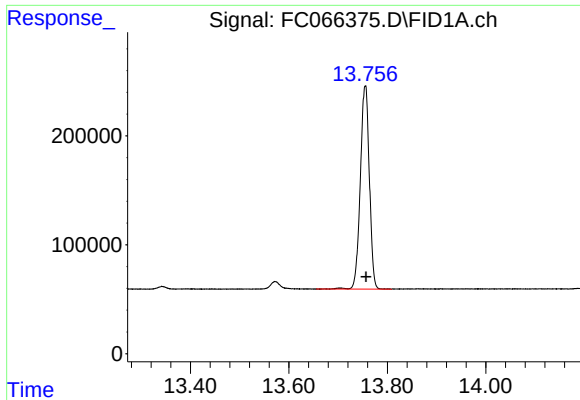
#11 n-Heneicosane (C21)

R.T.: 13.168 min
Delta R.T.: -0.002 min
Response: 2382235
Conc: 16.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.000 min
Delta R.T.: -0.002 min
Response: 2058930
Conc: 16.79 ug/ml



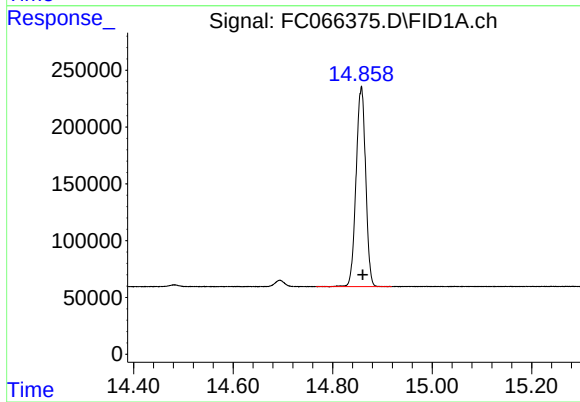
#13 n-Docosane (C22)

R.T.: 13.755 min
Delta R.T.: -0.002 min
Response: 2377847
Conc: 16.98 ug/ml

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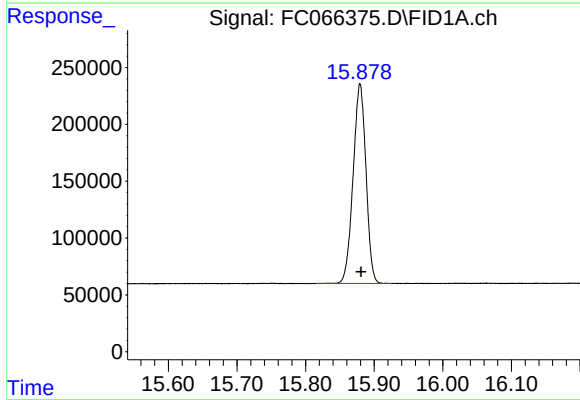
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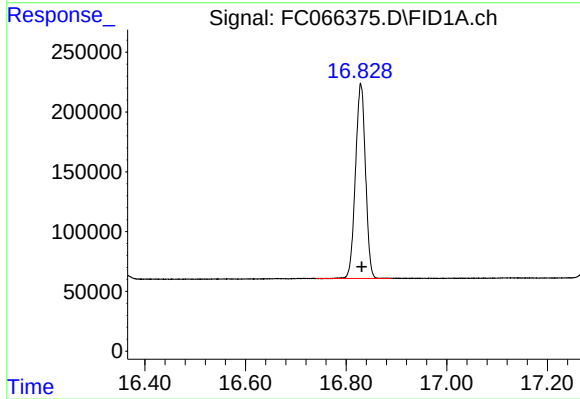
#14 n-Tetracosane (C24)

R.T.: 14.857 min
Delta R.T.: -0.003 min
Response: 2345962
Conc: 16.66 ug/ml



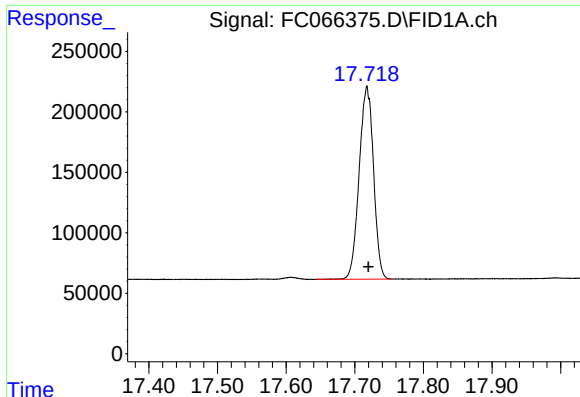
#15 n-Hexacosane (C26)

R.T.: 15.879 min
Delta R.T.: -0.002 min
Response: 2288765
Conc: 16.73 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.829 min
Delta R.T.: -0.002 min
Response: 2250974
Conc: 16.81 ug/ml



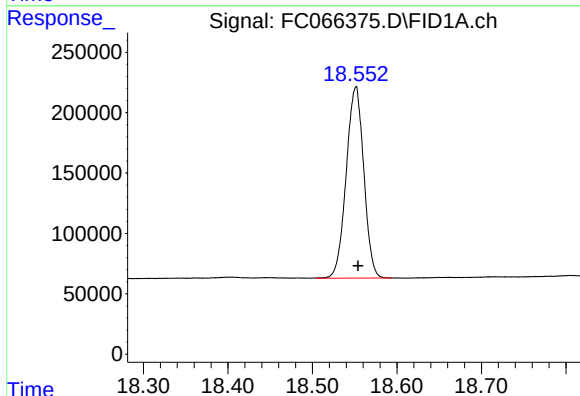
#17 n-Tricontane (C30)

R.T.: 17.718 min
Delta R.T.: -0.002 min
Response: 2317537
Conc: 17.20 ug/ml

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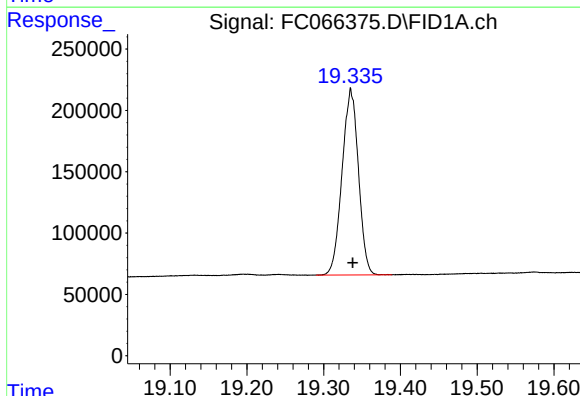
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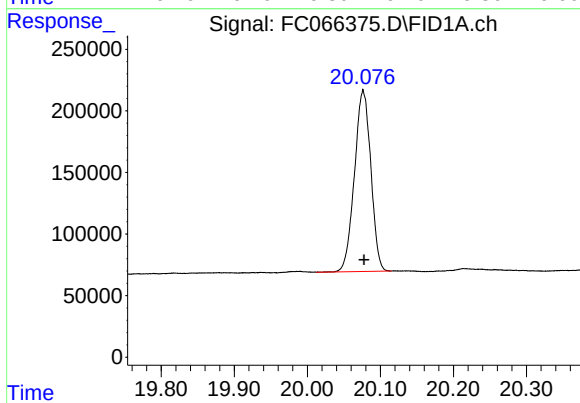
#18 n-Dotriacontane (C32)

R.T.: 18.552 min
Delta R.T.: -0.002 min
Response: 2291879
Conc: 17.80 ug/ml m



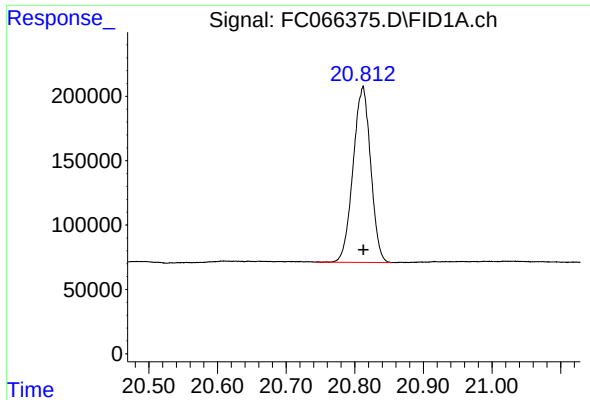
#19 n-Tetratriacontane (C34)

R.T.: 19.336 min
Delta R.T.: -0.002 min
Response: 2243986
Conc: 18.97 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.076 min
Delta R.T.: -0.001 min
Response: 2288481
Conc: 19.91 ug/ml



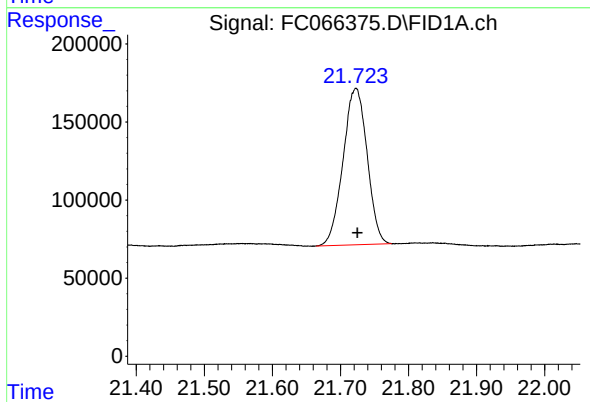
#21 n-Octatriacontane (C38)

R.T.: 20.811 min
Delta R.T.: -0.001 min
Response: 2427524
Conc: 22.55 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.723 min
Delta R.T.: -0.002 min
Response: 2458292
Conc: 22.92 ug/ml m