

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042624AL\
 Data File : FC066242.D
 Signal(s) : FID1A.ch
 Acq On : 26 Apr 2024 11:15
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/29/2024
 Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e
 Quant Time: Apr 27 00:55:19 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 041524.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 16 08:19:15 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)	11.560	2390486	17.311 ug/ml
Spiked Amount 50.000		Recovery =	34.62%
12) S 1-chlorooctadecane (S...	13.000	1802852	18.373 ug/ml
Spiked Amount 50.000		Recovery =	36.75%
Target Compounds			
1) T n-Nonane (C9)	3.318	2098313	16.299 ug/ml
2) T n-Decane (C10)	4.387	2210531	16.953 ug/ml
3) T A~Naphthalene (C11.7)	5.969	2401052	16.741 ug/ml
4) T n-Dodecane (C12)	6.406	2225010	17.184 ug/ml
5) T A~2-methylnaphthalene...	7.026	2319486	16.844 ug/ml
6) T n-Tetradecane (C14)	8.202	2206452	17.530 ug/ml
7) T n-Hexadecane (C16)	9.804	2289386	17.974 ug/ml
8) T n-Octadecane (C18)	11.247	2306617	18.121 ug/ml
10) T n-Eicosane (C20)	12.557	2195387	18.218 ug/ml
11) T n-Heneicosane (C21)	13.168	2147517	18.149 ug/ml
13) T n-Docosane (C22)	13.754	2143629	18.260 ug/ml
14) T n-Tetracosane (C24)	14.858	2146224	18.395 ug/ml
15) T n-Hexacosane (C26)	15.879	2108861	18.344 ug/ml
16) T n-Octacosane (C28)	16.829	2099587	18.526 ug/ml
17) T n-Tricontane (C30)	17.718	2209602	19.073 ug/ml
18) T n-Dotriacontane (C32)	18.550	2200657	19.167 ug/ml
19) T n-Tetratriacontane (C34)	19.334	2086079	18.995 ug/ml
20) T n-Hexatriacontane (C36)	20.073	1989253	19.272 ug/mlm
21) T n-Octatriacontane (C38)	20.809	1916165	19.656 ug/ml
22) T n-Tetracontane (C40)	21.722	1825728	20.176 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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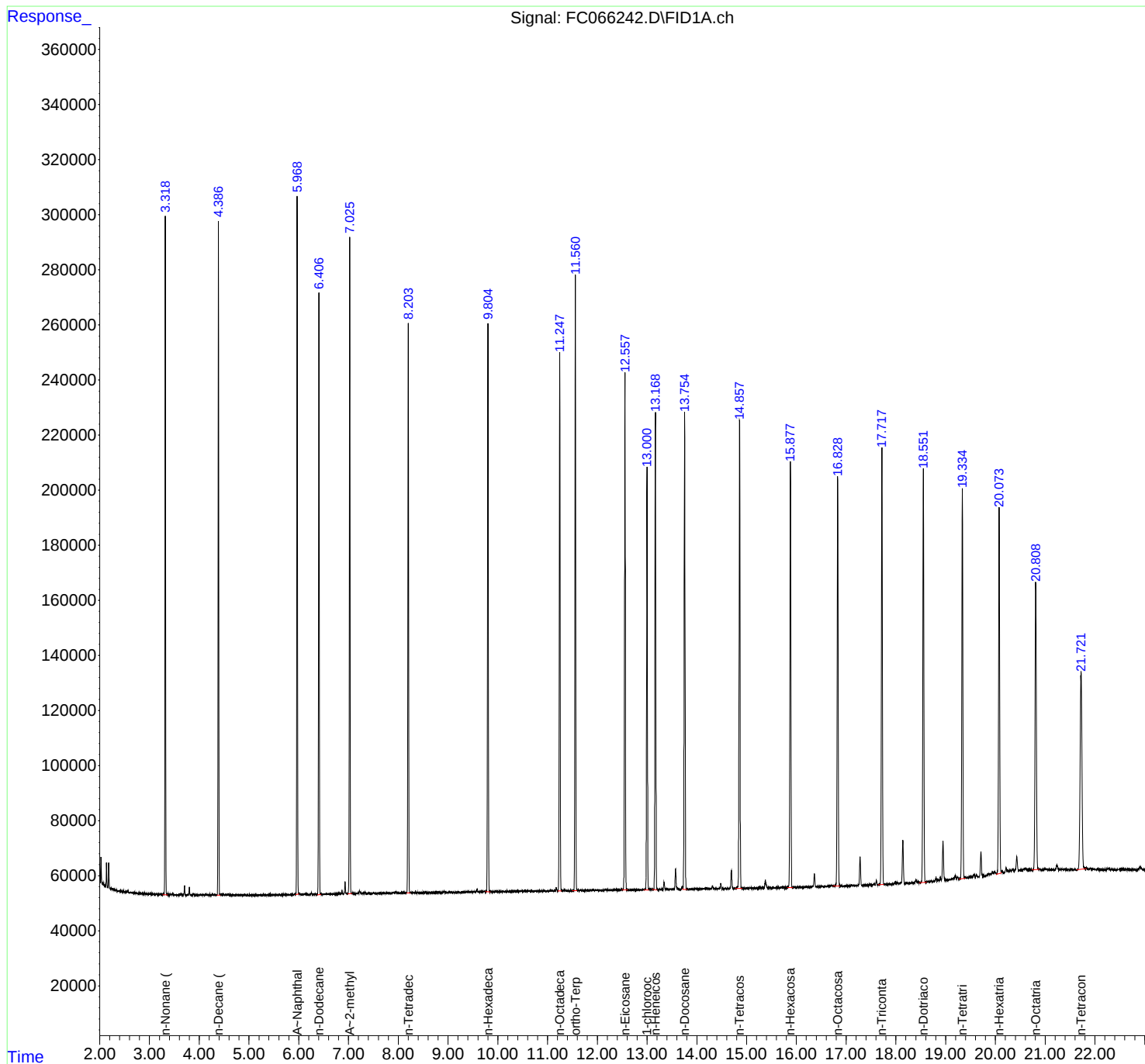
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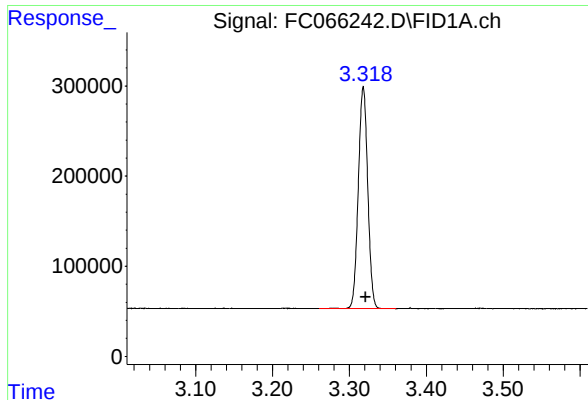
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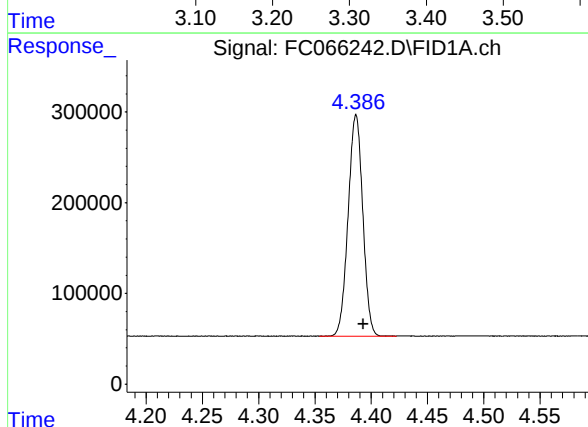
#1 n-Nonane (C9)

R.T.: 3.318 min
Delta R.T.: -0.003 min
Response: 2098313
Conc: 16.30 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

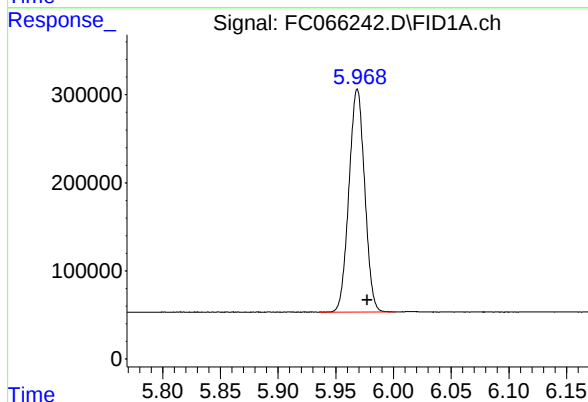
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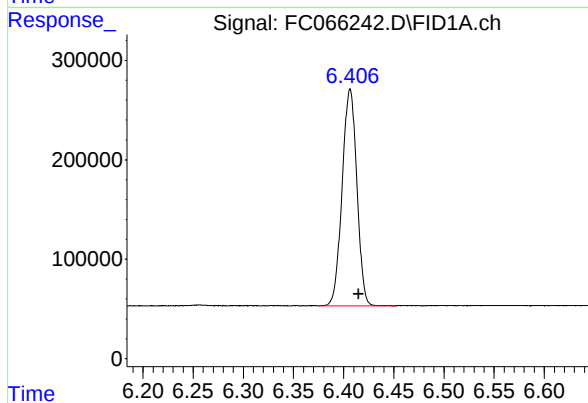
#2 n-Decane (C10)

R.T.: 4.387 min
Delta R.T.: -0.006 min
Response: 2210531
Conc: 16.95 ug/ml



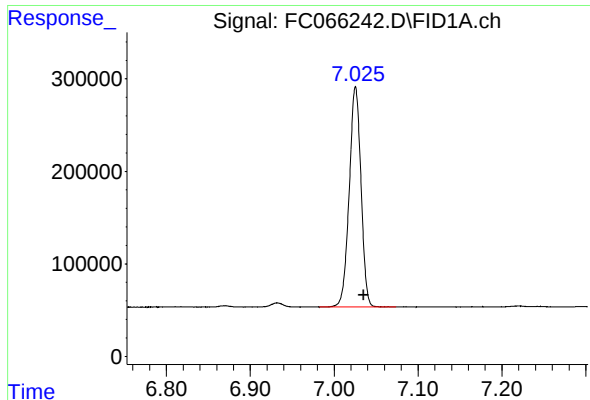
#3 A~Naphthalene (C11.7)

R.T.: 5.969 min
Delta R.T.: -0.009 min
Response: 2401052
Conc: 16.74 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.406 min
Delta R.T.: -0.009 min
Response: 2225010
Conc: 17.18 ug/ml



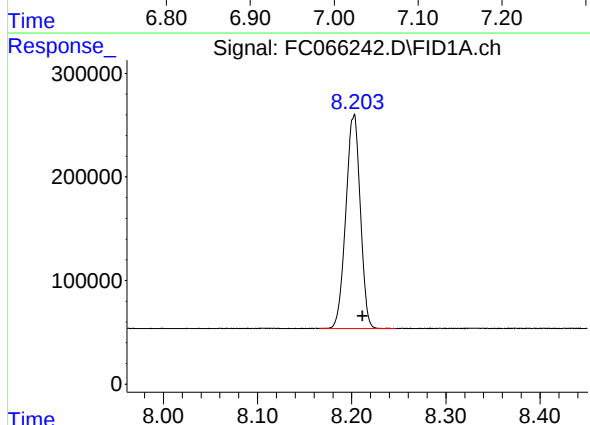
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.026 min
Delta R.T.: -0.010 min
Response: 2319486
Conc: 16.84 ug/ml

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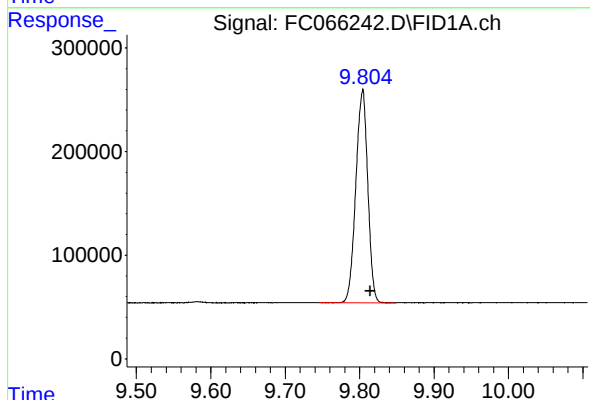
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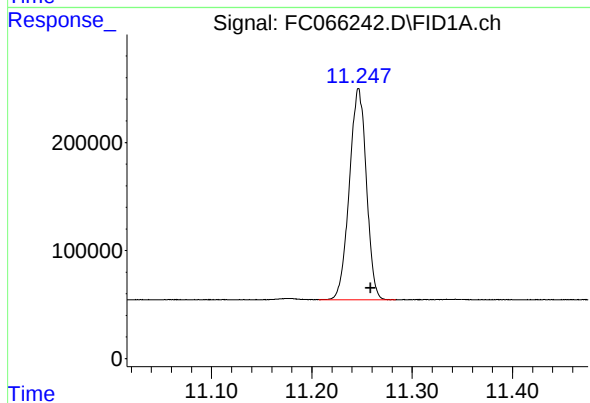
#6 n-Tetradecane (C14)

R.T.: 8.202 min
Delta R.T.: -0.010 min
Response: 2206452
Conc: 17.53 ug/ml



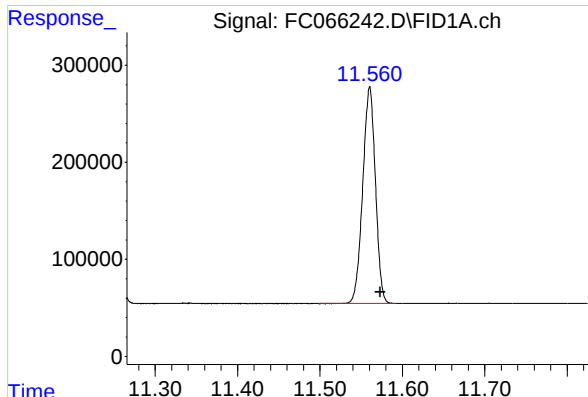
#7 n-Hexadecane (C16)

R.T.: 9.804 min
Delta R.T.: -0.011 min
Response: 2289386
Conc: 17.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.247 min
Delta R.T.: -0.012 min
Response: 2306617
Conc: 18.12 ug/ml



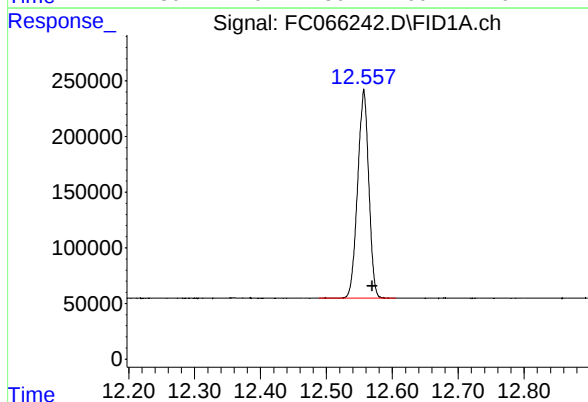
#9 ortho-Terphenyl (SURR)

R.T.: 11.560 min
Delta R.T.: -0.013 min
Response: 2390486
Conc: 17.31 ug/ml

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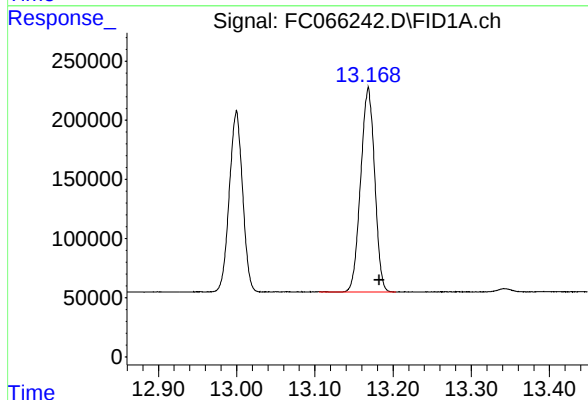
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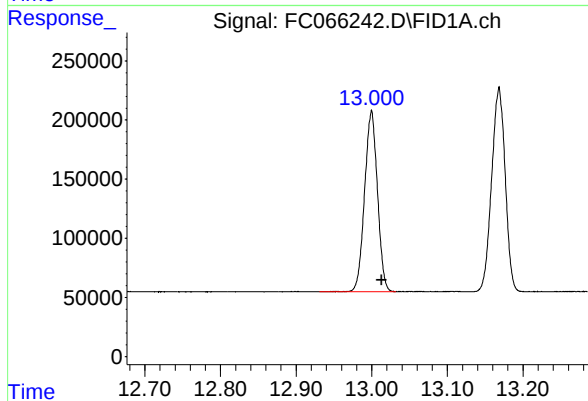
#10 n-Eicosane (C20)

R.T.: 12.557 min
Delta R.T.: -0.013 min
Response: 2195387
Conc: 18.22 ug/ml



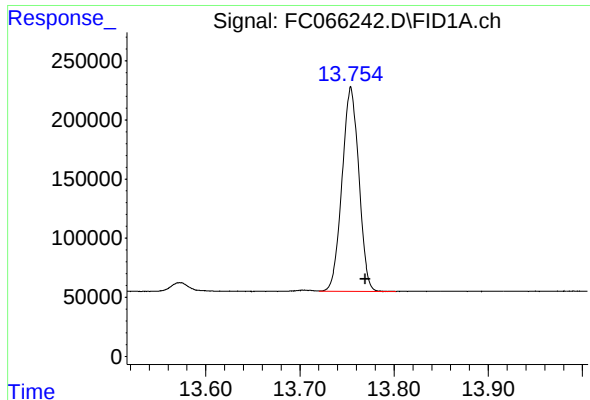
#11 n-Heneicosane (C21)

R.T.: 13.168 min
Delta R.T.: -0.014 min
Response: 2147517
Conc: 18.15 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.000 min
Delta R.T.: -0.014 min
Response: 1802852
Conc: 18.37 ug/ml



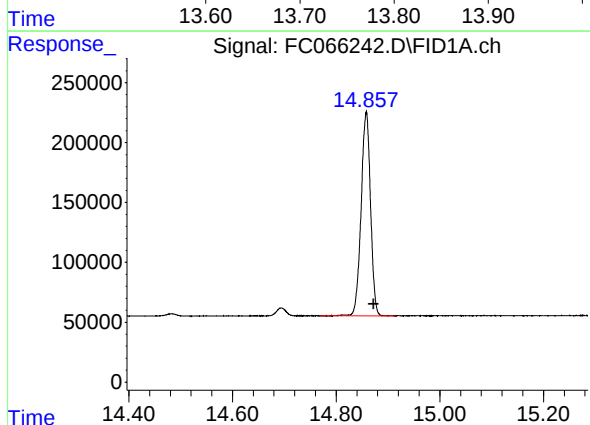
#13 n-Docosane (C22)

R.T.: 13.754 min
Delta R.T.: -0.015 min
Response: 2143629
Conc: 18.26 ug/ml

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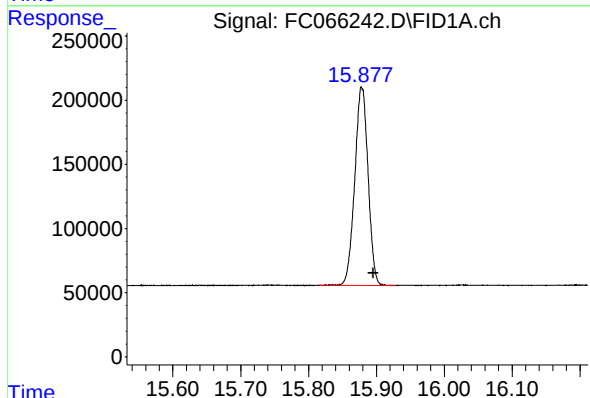
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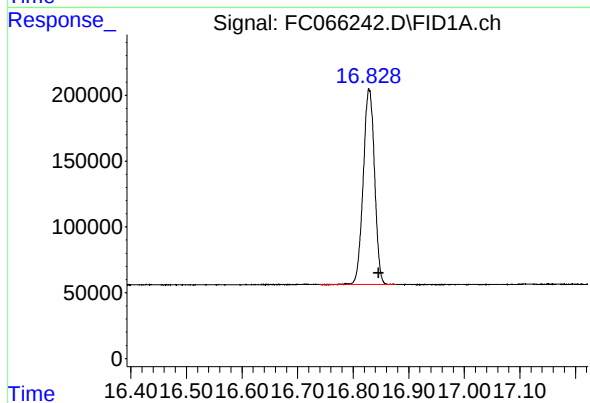
#14 n-Tetracosane (C24)

R.T.: 14.858 min
Delta R.T.: -0.015 min
Response: 2146224
Conc: 18.40 ug/ml



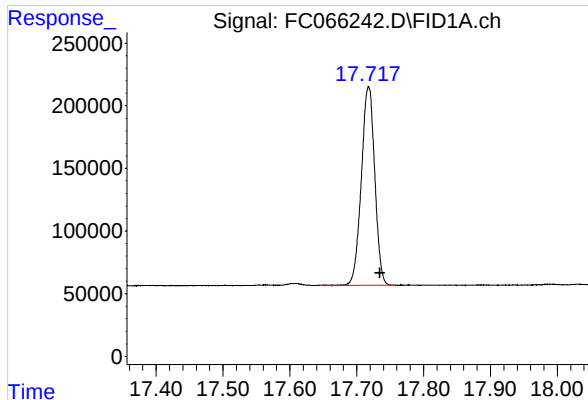
#15 n-Hexacosane (C26)

R.T.: 15.879 min
Delta R.T.: -0.017 min
Response: 2108861
Conc: 18.34 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.829 min
Delta R.T.: -0.017 min
Response: 2099587
Conc: 18.53 ug/ml



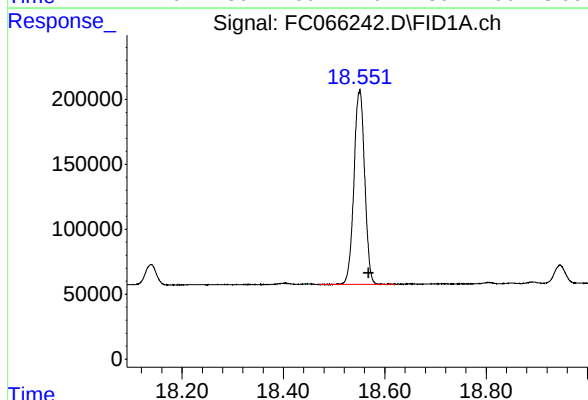
#17 n-Tricontane (C30)

R.T.: 17.718 min
Delta R.T.: -0.017 min
Response: 2209602
Conc: 19.07 ug/ml

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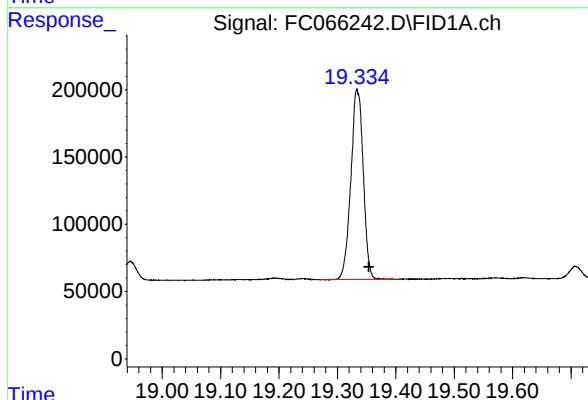
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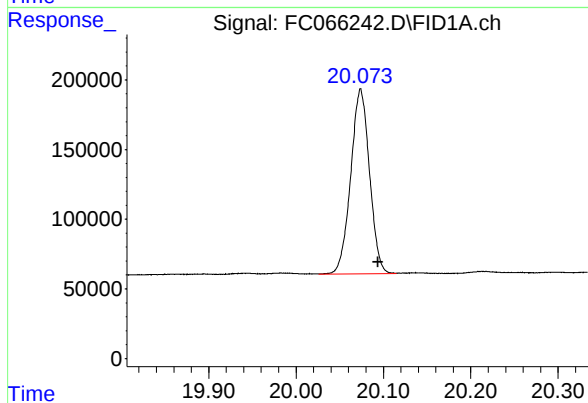
#18 n-Dotriacontane (C32)

R.T.: 18.550 min
Delta R.T.: -0.018 min
Response: 2200657
Conc: 19.17 ug/ml



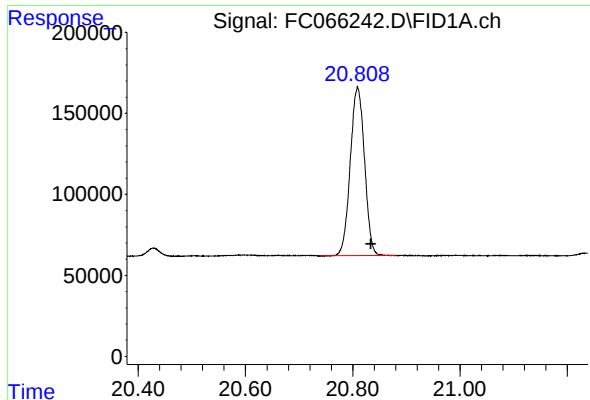
#19 n-Tetatriacontane (C34)

R.T.: 19.334 min
Delta R.T.: -0.020 min
Response: 2086079
Conc: 19.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.073 min
Delta R.T.: -0.021 min
Response: 1989253
Conc: 19.27 ug/ml m



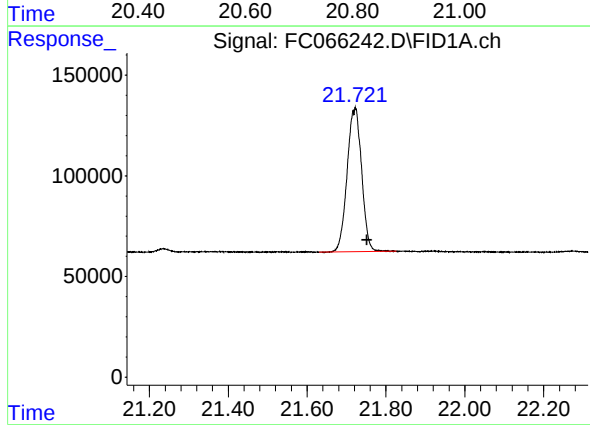
#21 n-Octatriacontane (C38)

R.T.: 20.809 min
Delta R.T.: -0.025 min
Response: 1916165
Conc: 19.66 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.722 min
Delta R.T.: -0.030 min
Response: 1825728
Conc: 20.18 ug/ml