

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC043024AL\
 Data File : FC066261.D
 Signal(s) : FID1A.ch
 Acq On : 30 Apr 2024 12:09
 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 05/01/2024
 Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e
 Quant Time: May 01 03:05:39 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)	11.562	2547925	18.451 ug/ml
Spiked Amount 50.000		Recovery =	36.90%
12) S 1-chlorooctadecane (S...	13.002	1793280	18.276 ug/ml
Spiked Amount 50.000		Recovery =	36.55%
Target Compounds			
1) T n-Nonane (C9)	3.319	2278167	17.696 ug/ml
2) T n-Decane (C10)	4.387	2405901	18.452 ug/ml
3) T A~Naphthalene (C11.7)	5.970	2617924	18.253 ug/ml
4) T n-Dodecane (C12)	6.407	2364190	18.259 ug/ml
5) T A~2-methylnaphthalene...	7.026	2488388	18.071 ug/ml
6) T n-Tetradecane (C14)	8.204	2279654	18.112 ug/ml
7) T n-Hexadecane (C16)	9.805	2318369	18.201 ug/ml
8) T n-Octadecane (C18)	11.248	2338157	18.369 ug/ml
10) T n-Eicosane (C20)	12.559	2232488	18.525 ug/ml
11) T n-Heneicosane (C21)	13.170	2198627	18.581 ug/ml
13) T n-Docosane (C22)	13.757	2208251	18.811 ug/ml
14) T n-Tetracosane (C24)	14.860	2248684	19.273 ug/ml
15) T n-Hexacosane (C26)	15.882	2250325	19.575 ug/ml
16) T n-Octacosane (C28)	16.832	2293635	20.238 ug/mlm
17) T n-Tricontane (C30)	17.720	2471542	21.335 ug/ml
18) T n-Dotriacontane (C32)	18.553	2488770	21.677 ug/ml
19) T n-Tetratriacontane (C34)	19.338	2306162	20.999 ug/ml
20) T n-Hexatriacontane (C36)	20.076	2096719	20.313 ug/mlm
21) T n-Octatriacontane (C38)	20.814	1878530	19.270 ug/mlm
22) T n-Tetracontane (C40)	21.724	1559237	17.231 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

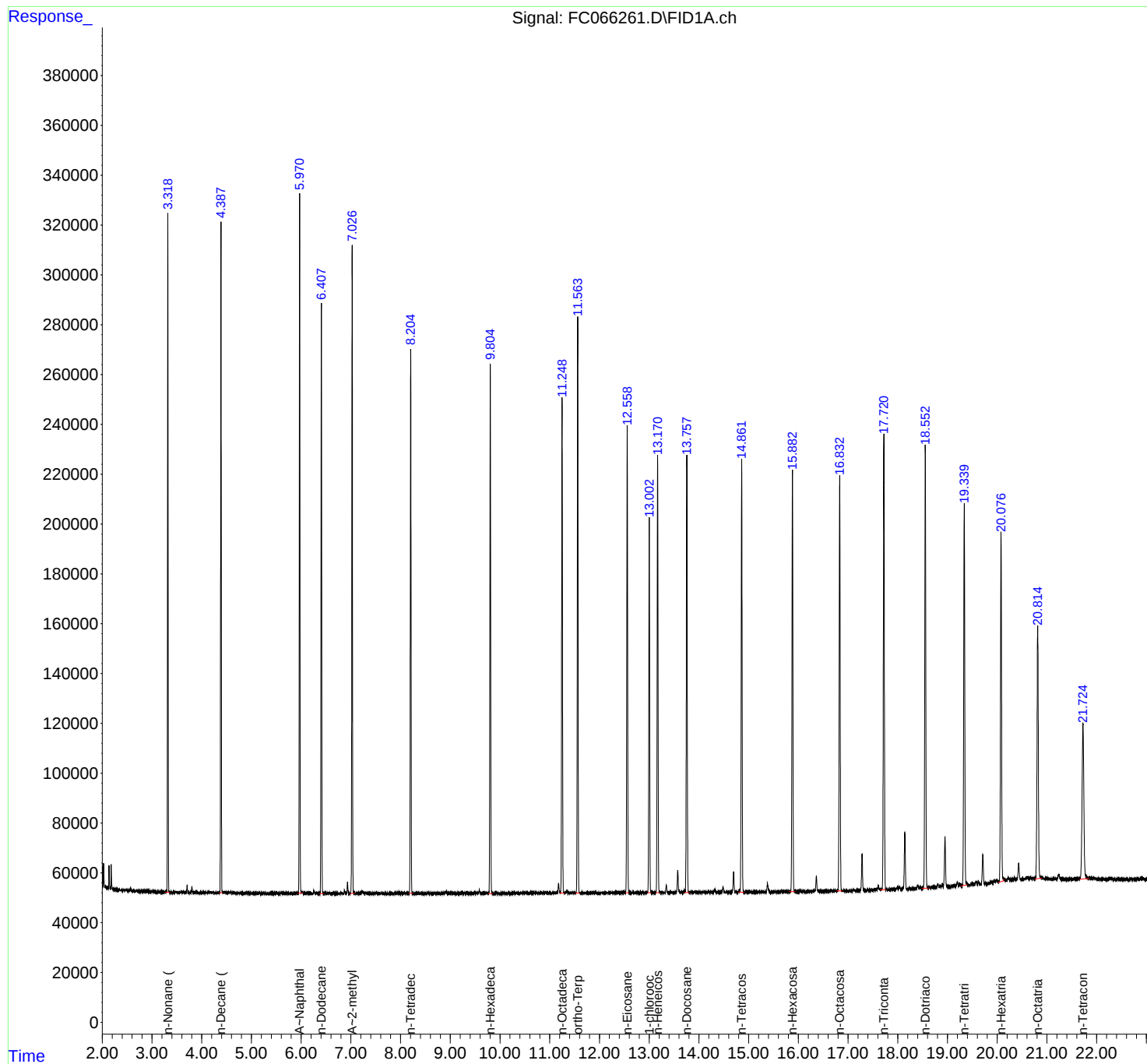
Instrument :
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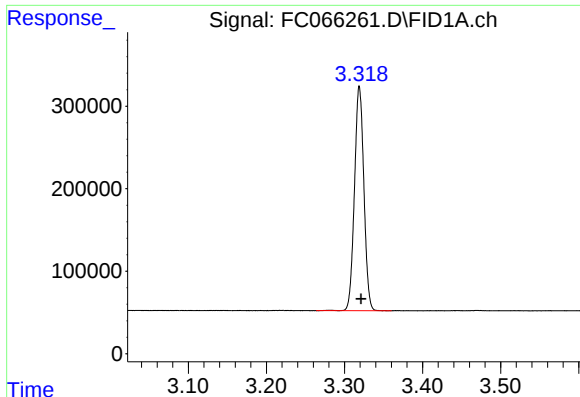
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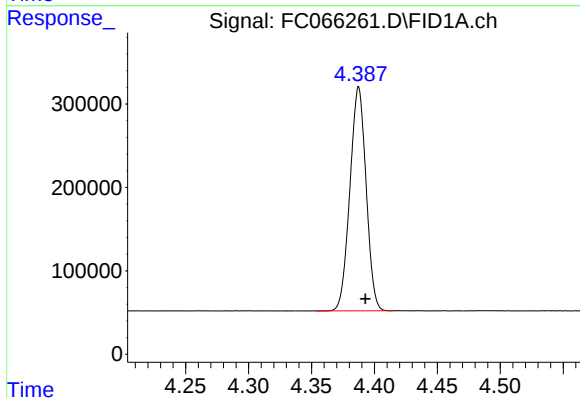
#1 n-Nonane (C9)

R.T.: 3.319 min
Delta R.T.: -0.002 min
Response: 2278167
Conc: 17.70 ug/ml

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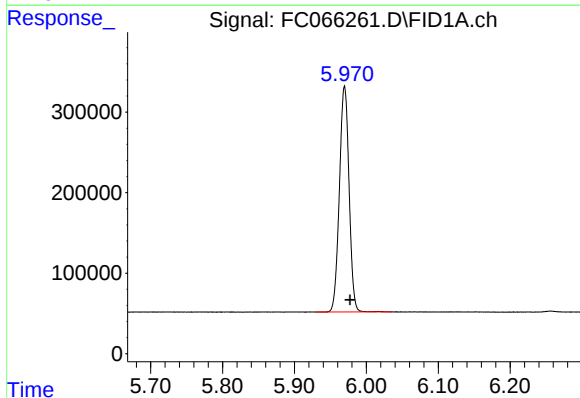
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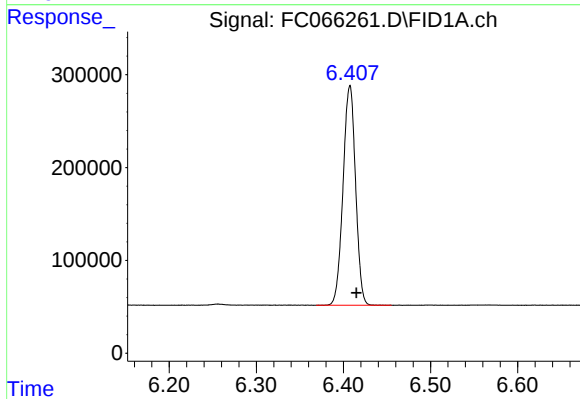
#2 n-Decane (C10)

R.T.: 4.387 min
Delta R.T.: -0.005 min
Response: 2405901
Conc: 18.45 ug/ml



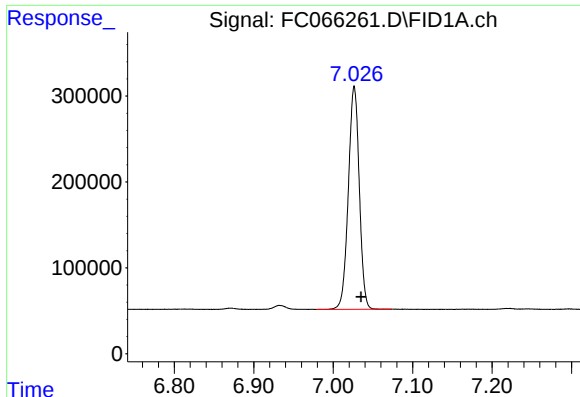
#3 A~Naphthalene (C11.7)

R.T.: 5.970 min
Delta R.T.: -0.008 min
Response: 2617924
Conc: 18.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.407 min
Delta R.T.: -0.008 min
Response: 2364190
Conc: 18.26 ug/ml



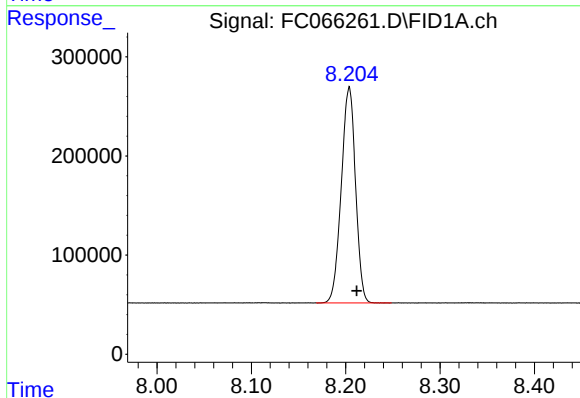
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.026 min
Delta R.T.: -0.009 min
Response: 2488388
Conc: 18.07 ug/ml

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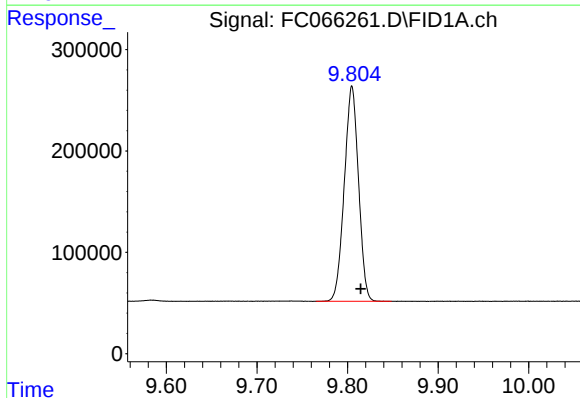
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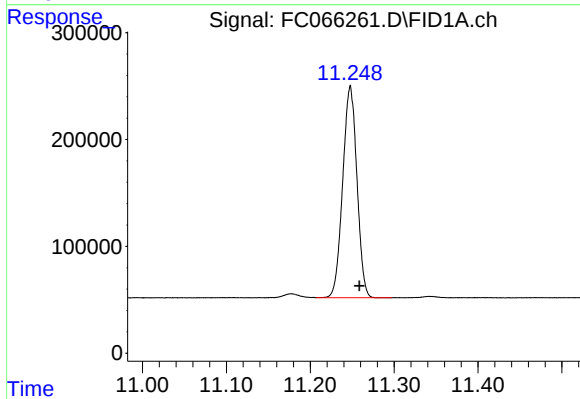
#6 n-Tetradecane (C14)

R.T.: 8.204 min
Delta R.T.: -0.008 min
Response: 2279654
Conc: 18.11 ug/ml



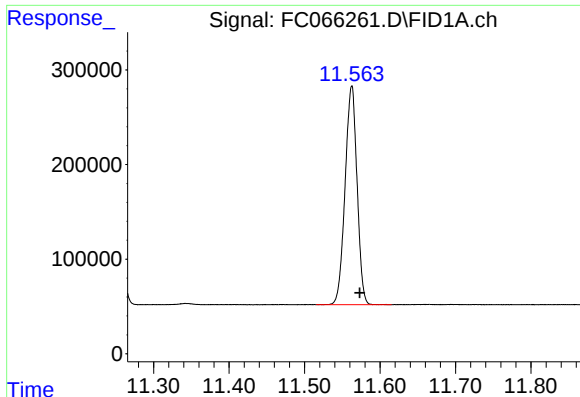
#7 n-Hexadecane (C16)

R.T.: 9.805 min
Delta R.T.: -0.010 min
Response: 2318369
Conc: 18.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.248 min
Delta R.T.: -0.011 min
Response: 2338157
Conc: 18.37 ug/ml



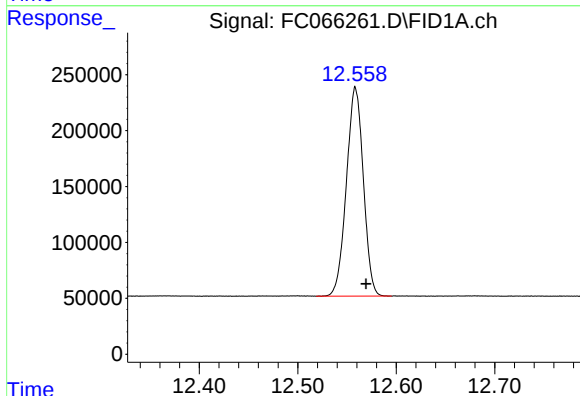
#9 ortho-Terphenyl (SURR)

R.T.: 11.562 min
Delta R.T.: -0.011 min
Response: 2547925
Conc: 18.45 ug/ml

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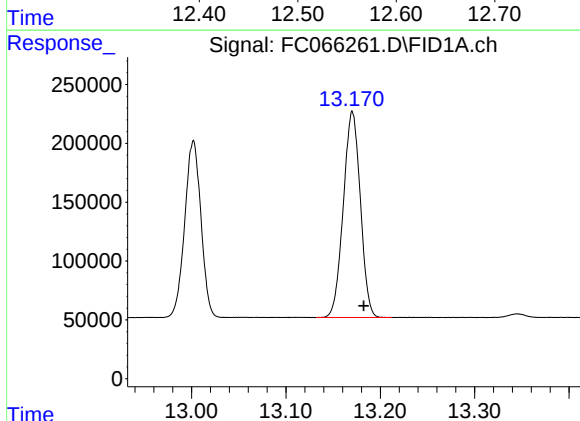
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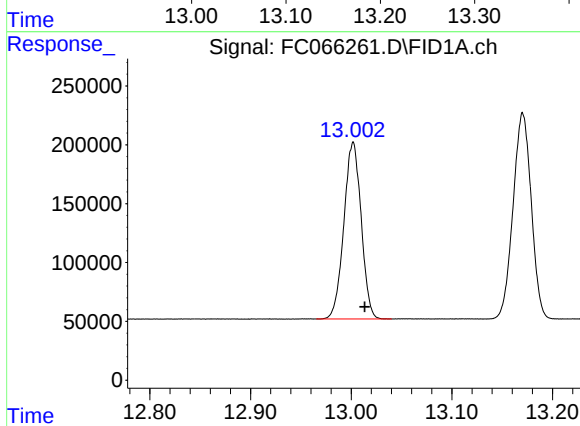
#10 n-Eicosane (C20)

R.T.: 12.559 min
Delta R.T.: -0.011 min
Response: 2232488
Conc: 18.53 ug/ml



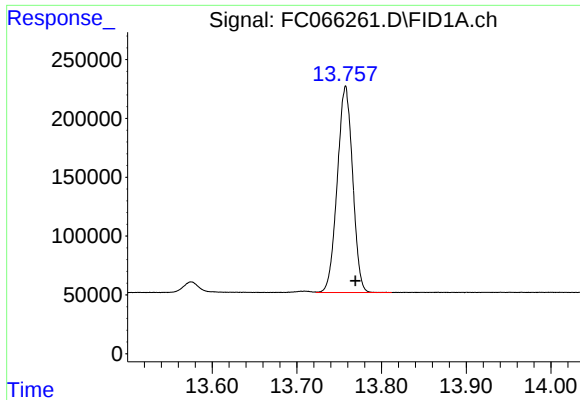
#11 n-Heneicosane (C21)

R.T.: 13.170 min
Delta R.T.: -0.012 min
Response: 2198627
Conc: 18.58 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.002 min
Delta R.T.: -0.011 min
Response: 1793280
Conc: 18.28 ug/ml



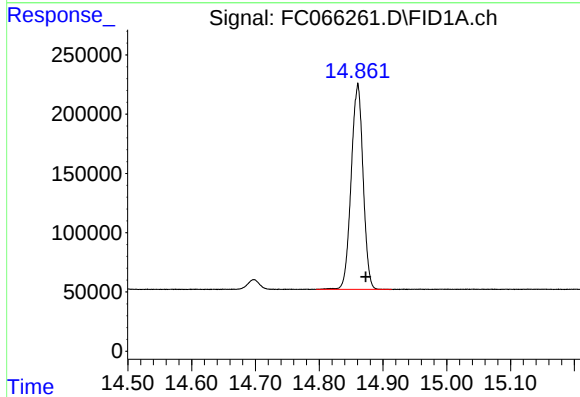
#13 n-Docosane (C22)

R.T.: 13.757 min
Delta R.T.: -0.012 min
Response: 2208251
Conc: 18.81 ug/ml

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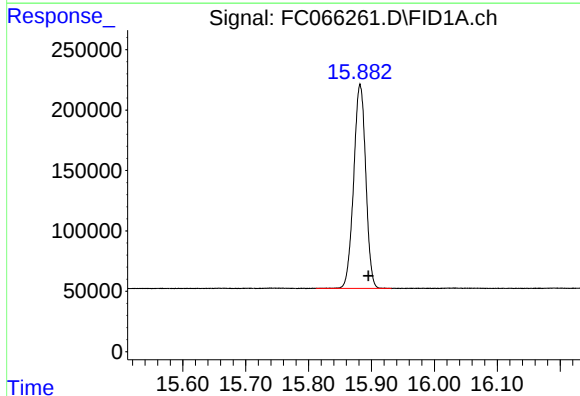
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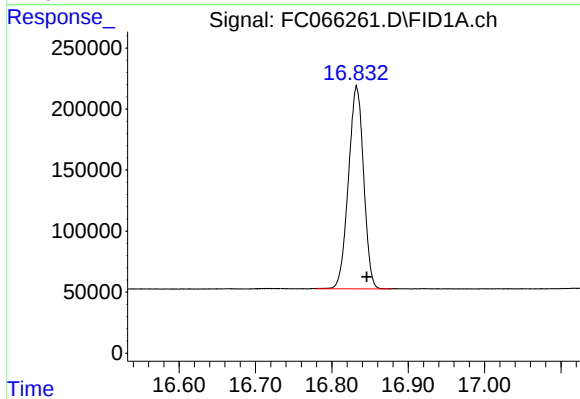
#14 n-Tetracosane (C24)

R.T.: 14.860 min
Delta R.T.: -0.013 min
Response: 2248684
Conc: 19.27 ug/ml



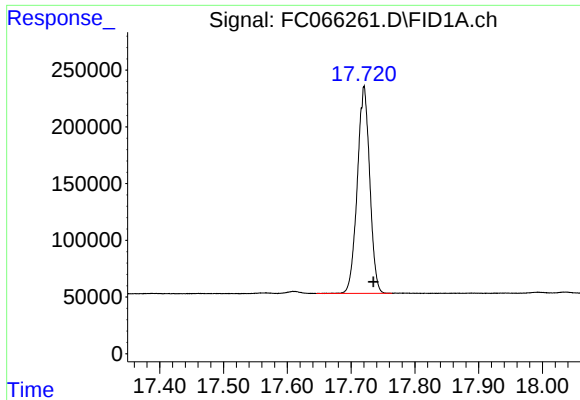
#15 n-Hexacosane (C26)

R.T.: 15.882 min
Delta R.T.: -0.013 min
Response: 2250325
Conc: 19.57 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.832 min
Delta R.T.: -0.014 min
Response: 2293635
Conc: 20.24 ug/ml m



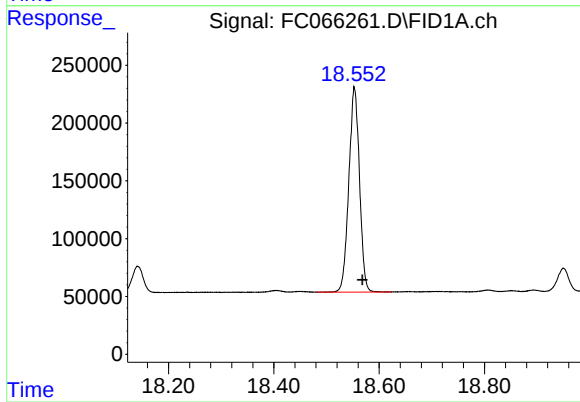
#17 n-Tricontane (C30)

R.T.: 17.720 min
Delta R.T.: -0.015 min
Response: 2471542
Conc: 21.33 ug/ml

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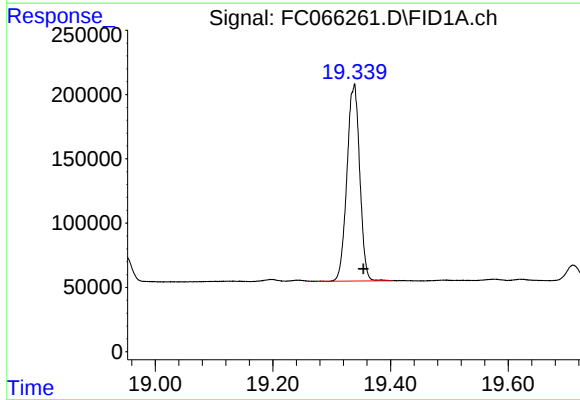
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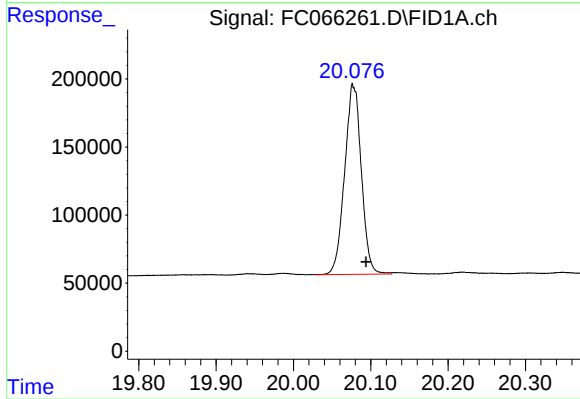
#18 n-Dotriacontane (C32)

R.T.: 18.553 min
Delta R.T.: -0.015 min
Response: 2488770
Conc: 21.68 ug/ml



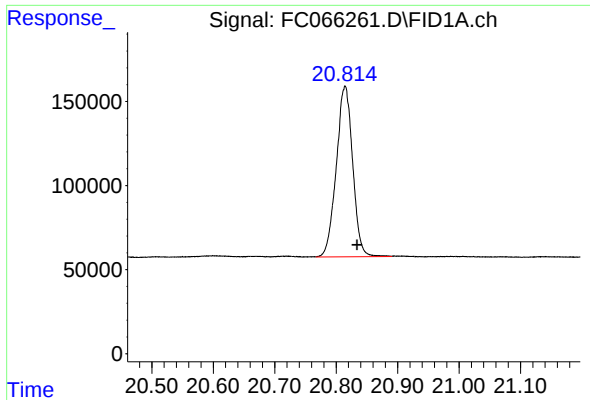
#19 n-Tetratriacontane (C34)

R.T.: 19.338 min
Delta R.T.: -0.016 min
Response: 2306162
Conc: 21.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.076 min
Delta R.T.: -0.018 min
Response: 2096719
Conc: 20.31 ug/ml m



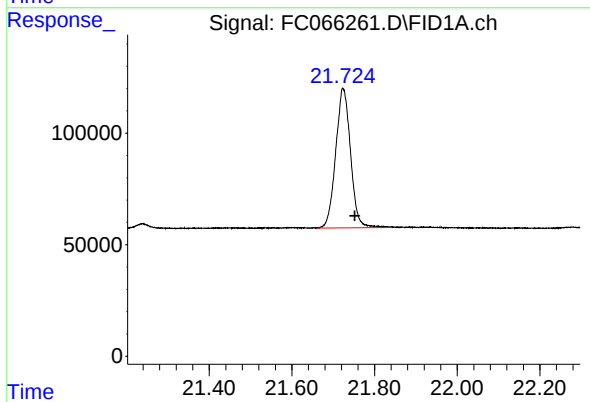
#21 n-Octatriacontane (C38)

R.T.: 20.814 min
Delta R.T.: -0.020 min
Response: 1878530
Conc: 19.27 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.724 min
Delta R.T.: -0.028 min
Response: 1559237
Conc: 17.23 ug/ml m