

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042624AL\
 Data File : FC066258.D
 Signal(s) : FID1A.ch
 Acq On : 27 Apr 2024 03:35
 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 04:14:22 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	2374733	17.197 ug/ml
Spiked Amount 50.000		Recovery =	34.39%
12) S 1-chlorooctadecane (S...	13.000	1779876	18.139 ug/ml
Spiked Amount 50.000		Recovery =	36.28%
Target Compounds			
1) T n-Nonane (C9)	3.320	2108648	16.380 ug/ml
2) T n-Decane (C10)	4.388	2221053	17.034 ug/ml
3) T A~Naphthalene (C11.7)	5.970	2422524	16.891 ug/ml
4) T n-Dodecane (C12)	6.407	2230321	17.225 ug/ml
5) T A~2-methylnaphthalene...	7.026	2323870	16.876 ug/ml
6) T n-Tetradecane (C14)	8.203	2210075	17.559 ug/ml
7) T n-Hexadecane (C16)	9.804	2274820	17.859 ug/ml
8) T n-Octadecane (C18)	11.246	2280367	17.915 ug/ml
10) T n-Eicosane (C20)	12.557	2168286	17.993 ug/ml
11) T n-Heneicosane (C21)	13.169	2124117	17.952 ug/ml
13) T n-Docosane (C22)	13.755	2121192	18.069 ug/ml
14) T n-Tetracosane (C24)	14.858	2133380	18.285 ug/ml
15) T n-Hexacosane (C26)	15.879	2111882	18.371 ug/ml
16) T n-Octacosane (C28)	16.829	2127488	18.772 ug/ml
17) T n-Tricontane (C30)	17.716	2265098	19.552 ug/ml
18) T n-Dotriacontane (C32)	18.552	2289895	19.945 ug/mlm
19) T n-Tetratriacontane (C34)	19.333	2160272	19.671 ug/ml
20) T n-Hexatriacontane (C36)	20.073	2029526	19.662 ug/mlm
21) T n-Octatriacontane (C38)	20.807	1953673	20.041 ug/ml
22) T n-Tetracontane (C40)	21.718	1854509	20.494 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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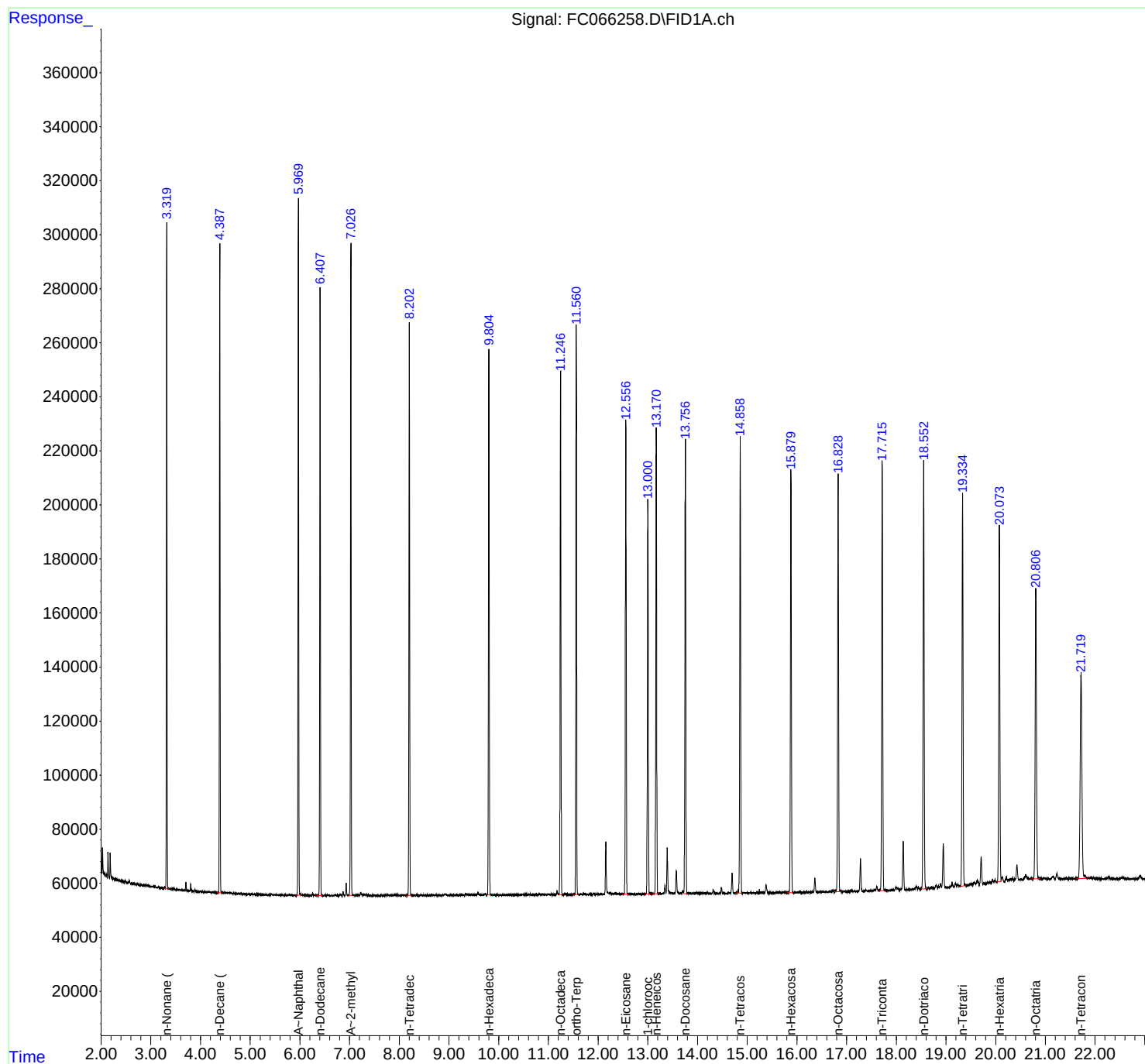
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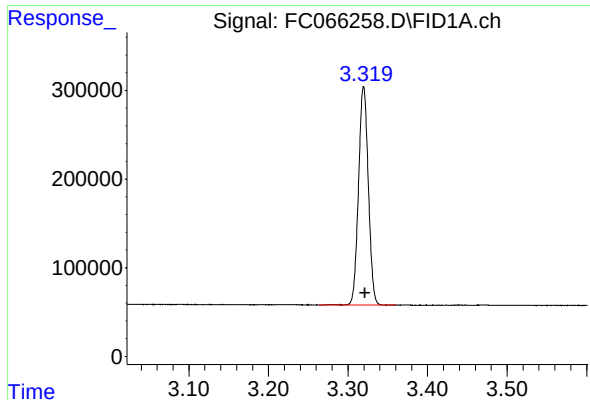
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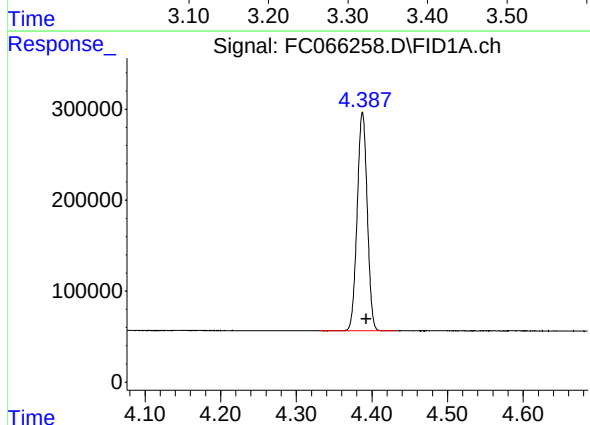
#1 n-Nonane (C9)

R.T.: 3.320 min
Delta R.T.: -0.001 min
Response: 2108648
Conc: 16.38 ug/ml

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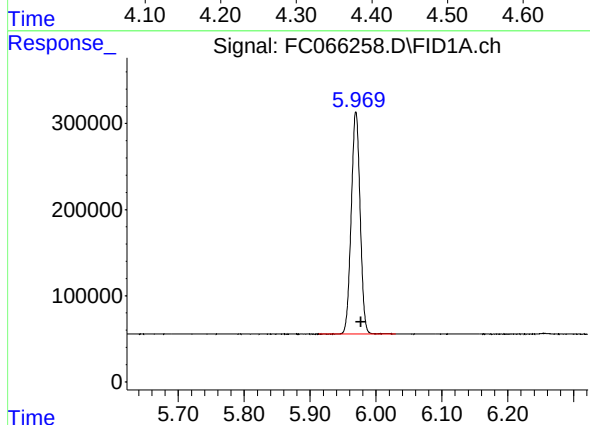
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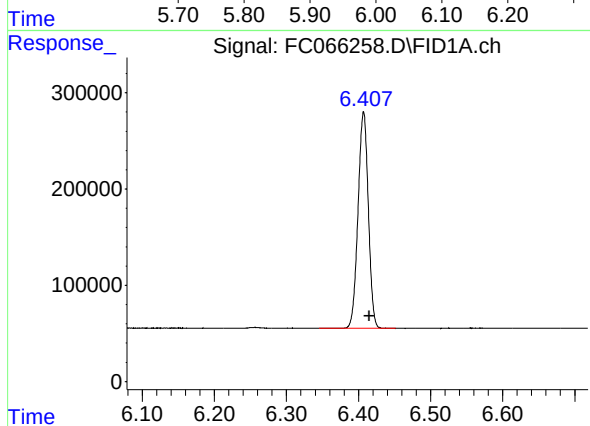
#2 n-Decane (C10)

R.T.: 4.388 min
Delta R.T.: -0.005 min
Response: 2221053
Conc: 17.03 ug/ml



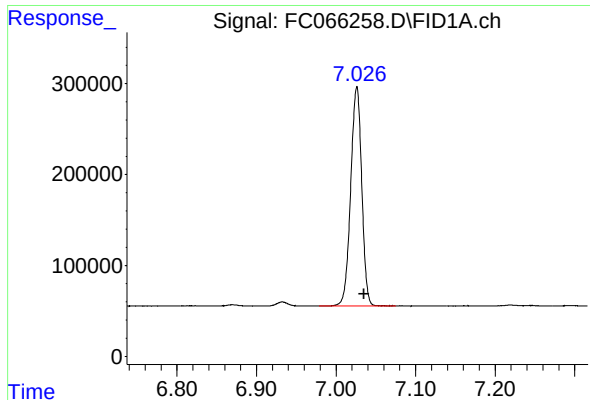
#3 A~Naphthalene (C11.7)

R.T.: 5.970 min
Delta R.T.: -0.008 min
Response: 2422524
Conc: 16.89 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.407 min
Delta R.T.: -0.008 min
Response: 2230321
Conc: 17.22 ug/ml



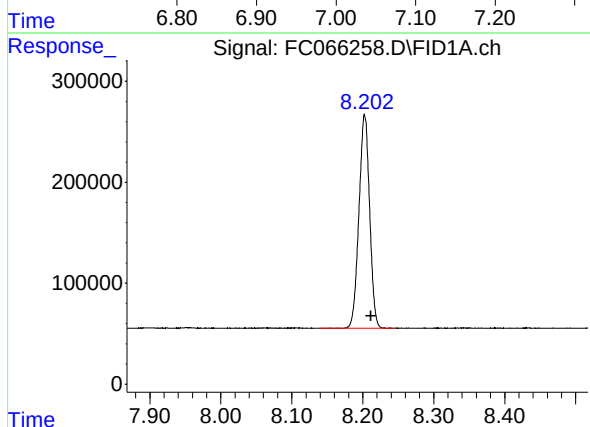
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.026 min
Delta R.T.: -0.009 min
Response: 2323870
Conc: 16.88 ug/ml

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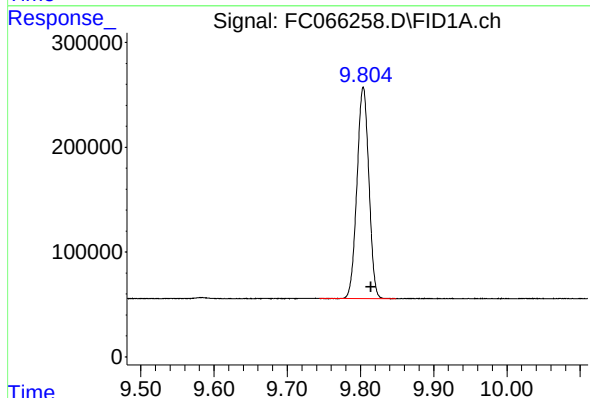
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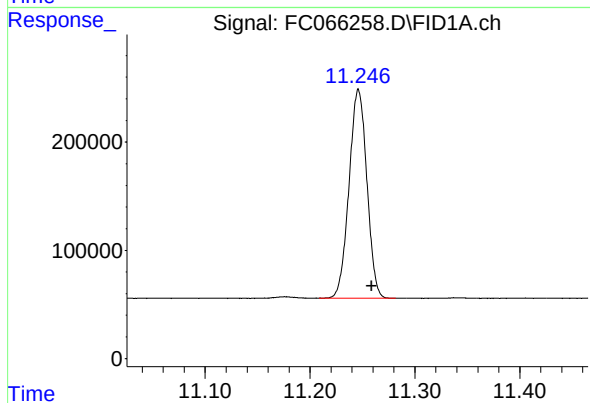
#6 n-Tetradecane (C14)

R.T.: 8.203 min
Delta R.T.: -0.009 min
Response: 2210075
Conc: 17.56 ug/ml



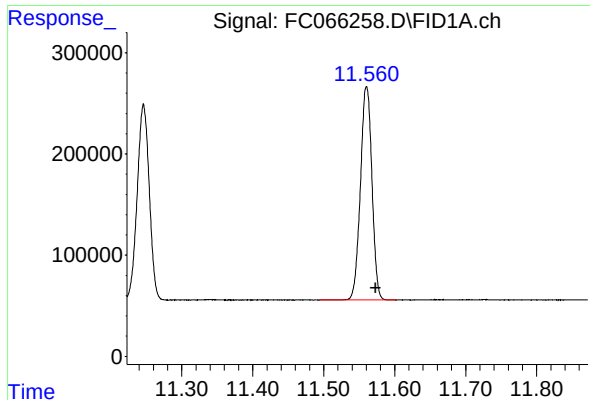
#7 n-Hexadecane (C16)

R.T.: 9.804 min
Delta R.T.: -0.011 min
Response: 2274820
Conc: 17.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.246 min
Delta R.T.: -0.012 min
Response: 2280367
Conc: 17.92 ug/ml



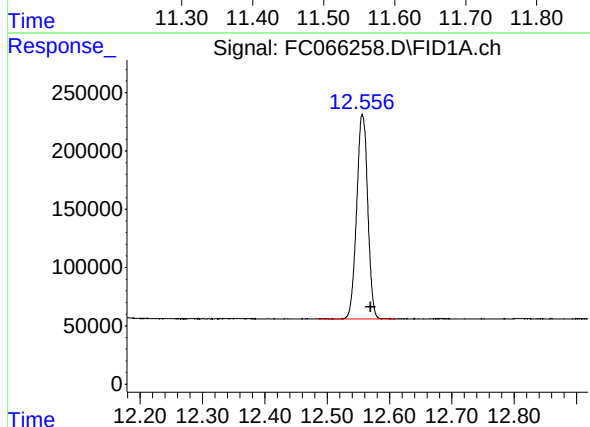
#9 ortho-Terphenyl (SURR)

R.T.: 11.560 min
Delta R.T.: -0.013 min
Response: 2374733
Conc: 17.20 ug/ml

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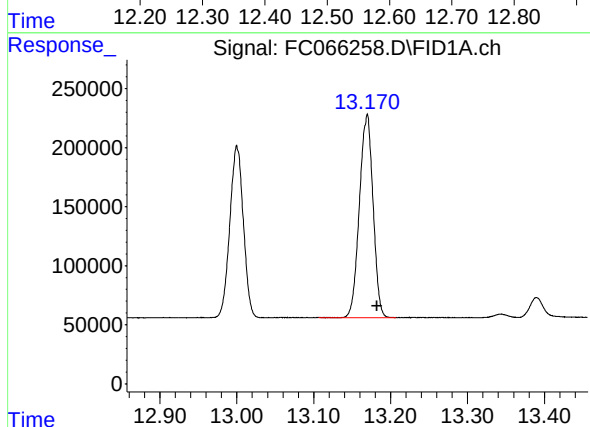
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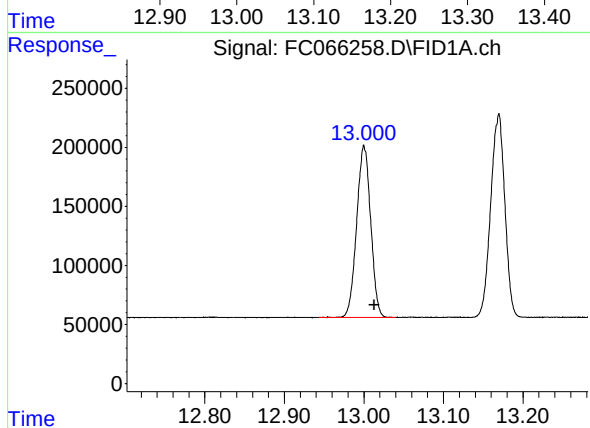
#10 n-Eicosane (C20)

R.T.: 12.557 min
Delta R.T.: -0.013 min
Response: 2168286
Conc: 17.99 ug/ml



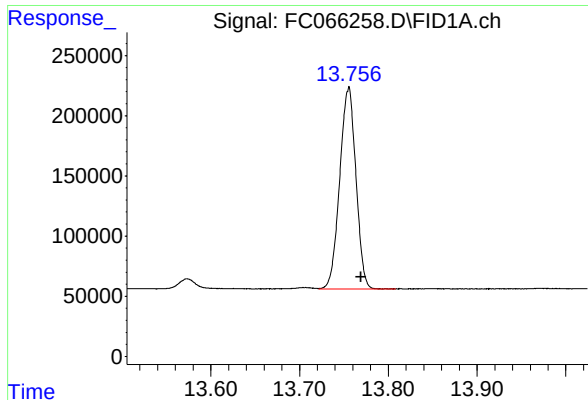
#11 n-Heneicosane (C21)

R.T.: 13.169 min
Delta R.T.: -0.013 min
Response: 2124117
Conc: 17.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.000 min
Delta R.T.: -0.013 min
Response: 1779876
Conc: 18.14 ug/ml



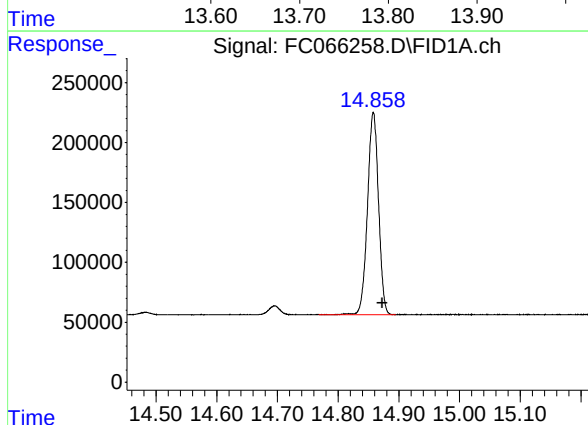
#13 n-Docosane (C22)

R.T.: 13.755 min
Delta R.T.: -0.014 min
Response: 2121192
Conc: 18.07 ug/ml

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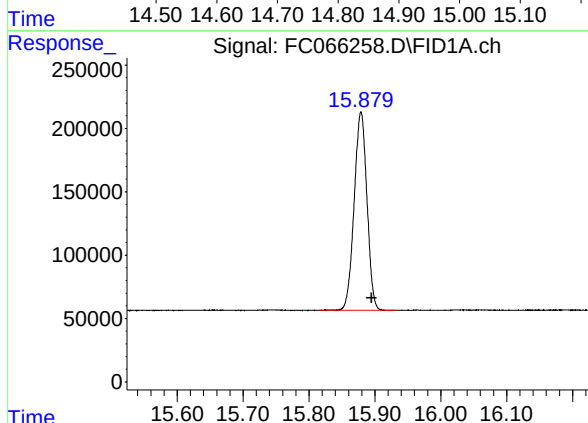
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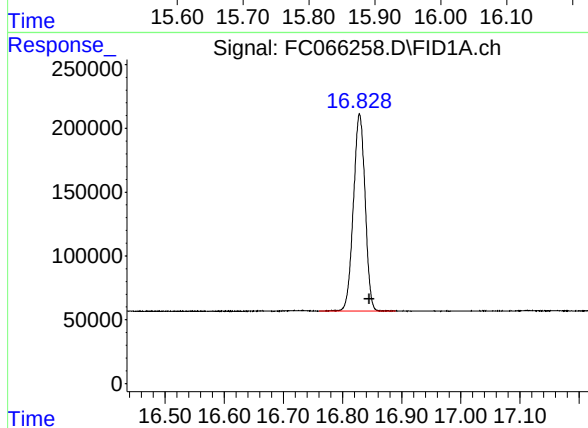
#14 n-Tetracosane (C24)

R.T.: 14.858 min
Delta R.T.: -0.015 min
Response: 2133380
Conc: 18.29 ug/ml



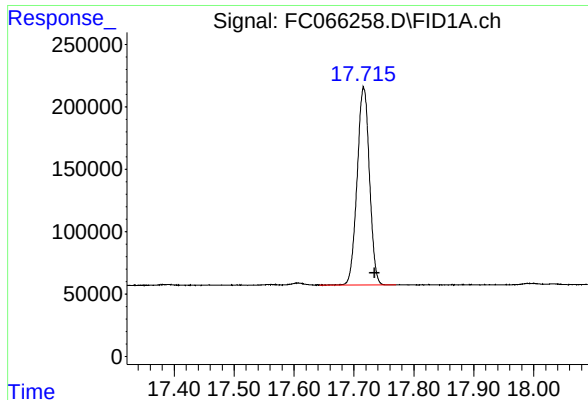
#15 n-Hexacosane (C26)

R.T.: 15.879 min
Delta R.T.: -0.016 min
Response: 2111882
Conc: 18.37 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.829 min
Delta R.T.: -0.017 min
Response: 2127488
Conc: 18.77 ug/ml



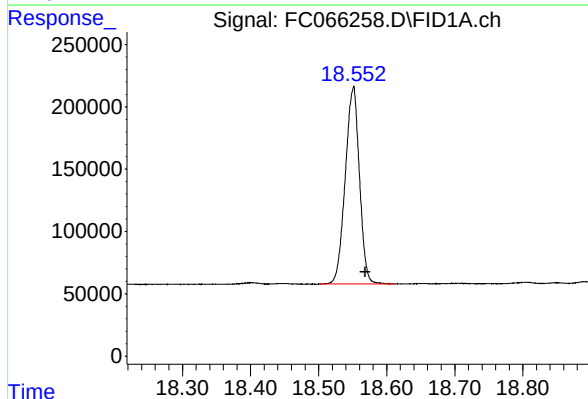
#17 n-Tricontane (C30)

R.T.: 17.716 min
Delta R.T.: -0.019 min
Response: 2265098
Conc: 19.55 ug/ml

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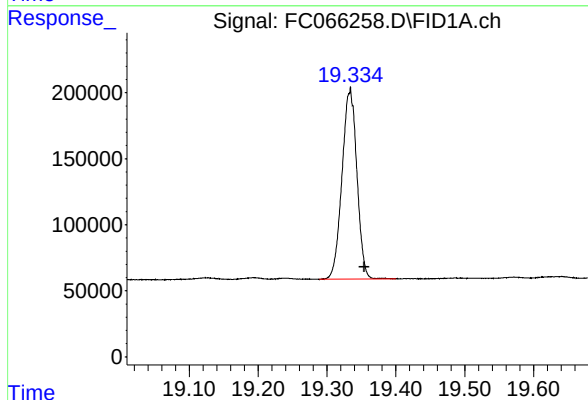
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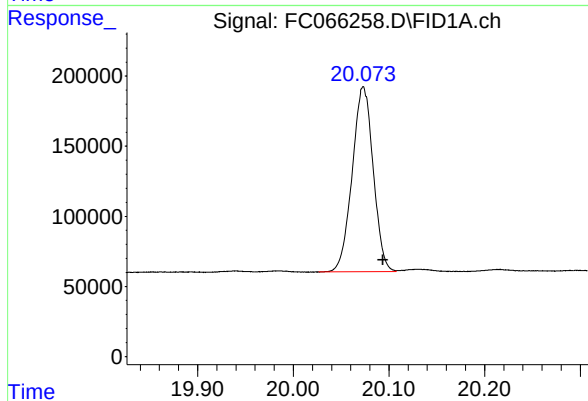
#18 n-Dotriacontane (C32)

R.T.: 18.552 min
Delta R.T.: -0.017 min
Response: 2289895
Conc: 19.94 ug/ml m



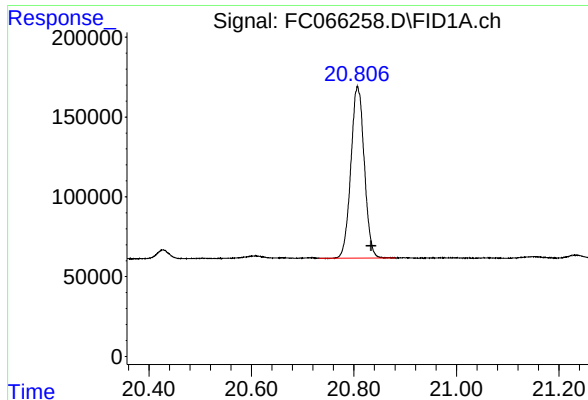
#19 n-Tetatriacontane (C34)

R.T.: 19.333 min
Delta R.T.: -0.021 min
Response: 2160272
Conc: 19.67 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.073 min
Delta R.T.: -0.021 min
Response: 2029526
Conc: 19.66 ug/ml m



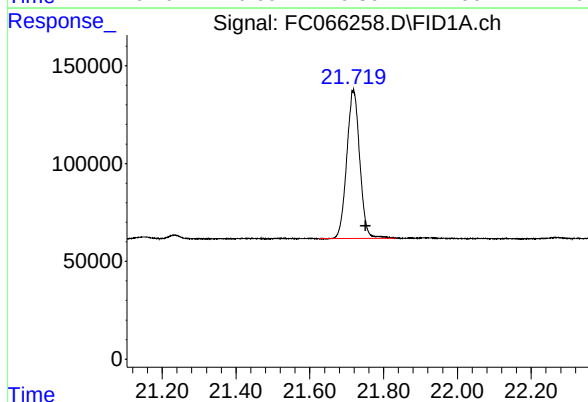
#21 n-Octatriacontane (C38)

R.T.: 20.807 min
Delta R.T.: -0.027 min
Response: 1953673
Conc: 20.04 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.718 min
Delta R.T.: -0.034 min
Response: 1854509
Conc: 20.49 ug/ml