

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042624AL\
 Data File : FC066253.D
 Signal(s) : FID1A.ch
 Acq On : 26 Apr 2024 23:00
 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 01:01:43 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)	11.561	2312837	16.749 ug/ml
Spiked Amount 50.000		Recovery =	33.50%
12) S 1-chlorooctadecane (S...	13.001	1727269	17.603 ug/ml
Spiked Amount 50.000		Recovery =	35.21%
Target Compounds			
1) T n-Nonane (C9)	3.315	2052690	15.945 ug/ml
2) T n-Decane (C10)	4.386	2156645	16.540 ug/ml
3) T A~Naphthalene (C11.7)	5.969	2362319	16.471 ug/ml
4) T n-Dodecane (C12)	6.407	2165518	16.724 ug/ml
5) T A~2-methylnaphthalene...	7.026	2265457	16.452 ug/ml
6) T n-Tetradecane (C14)	8.203	2144227	17.036 ug/ml
7) T n-Hexadecane (C16)	9.804	2207222	17.329 ug/ml
8) T n-Octadecane (C18)	11.247	2212475	17.382 ug/ml
10) T n-Eicosane (C20)	12.557	2104149	17.461 ug/ml
11) T n-Heneicosane (C21)	13.169	2062248	17.429 ug/ml
13) T n-Docosane (C22)	13.755	2060939	17.556 ug/ml
14) T n-Tetracosane (C24)	14.858	2077735	17.808 ug/ml
15) T n-Hexacosane (C26)	15.880	2056244	17.887 ug/ml
16) T n-Octacosane (C28)	16.829	2067985	18.247 ug/ml
17) T n-Tricontane (C30)	17.718	2204539	19.030 ug/ml
18) T n-Dotriacontane (C32)	18.551	2219843	19.335 ug/ml
19) T n-Tetratriacontane (C34)	19.335	2103260	19.152 ug/ml
20) T n-Hexatriacontane (C36)	20.074	2007693	19.451 ug/mlm
21) T n-Octatriacontane (C38)	20.809	1933227	19.831 ug/ml
22) T n-Tetracontane (C40)	21.719	1861149	20.568 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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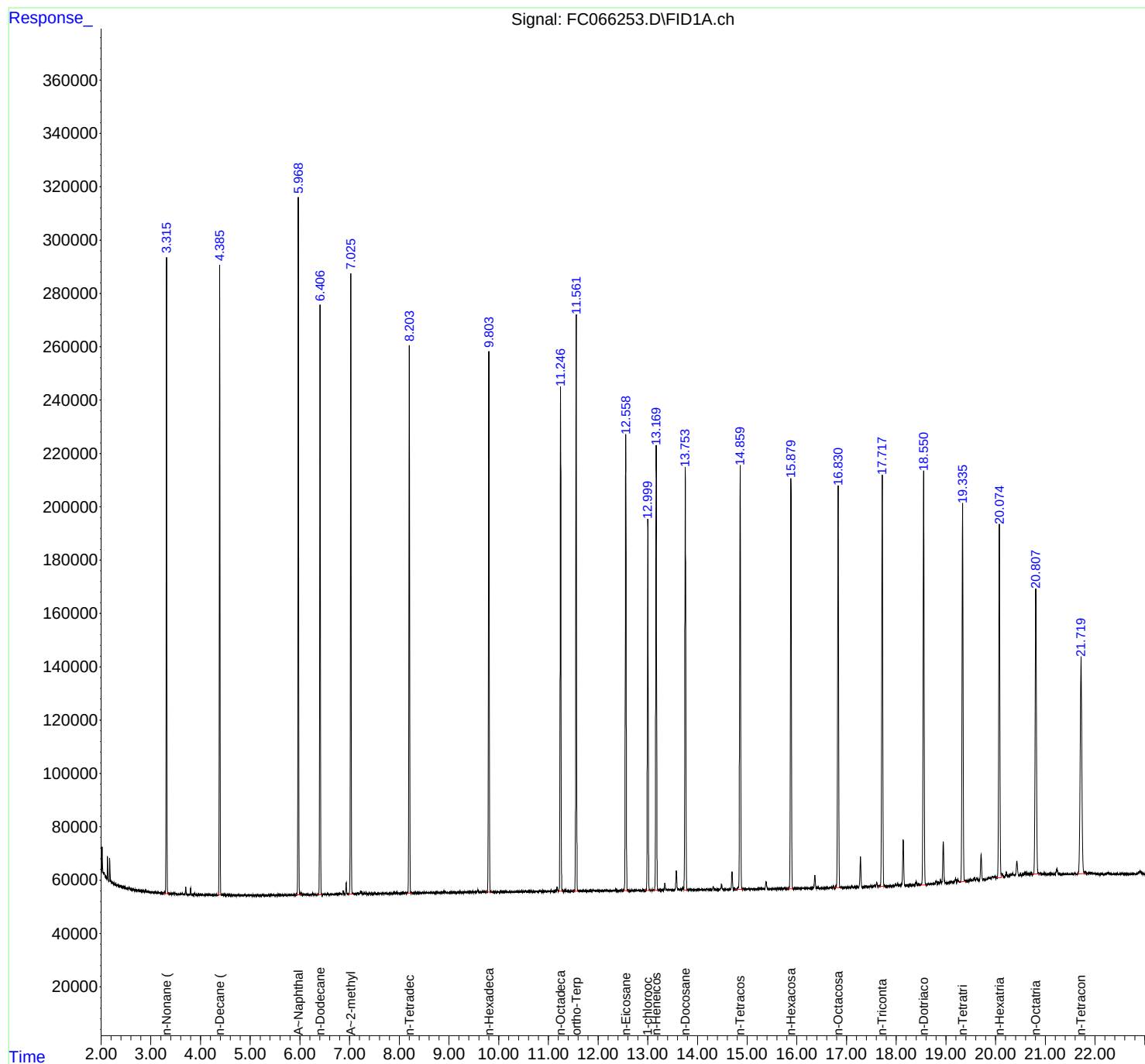
Instrument :
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20 PPM ALIPHATIC HC STD

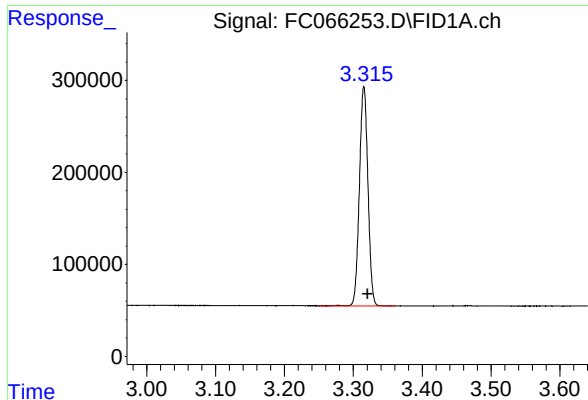
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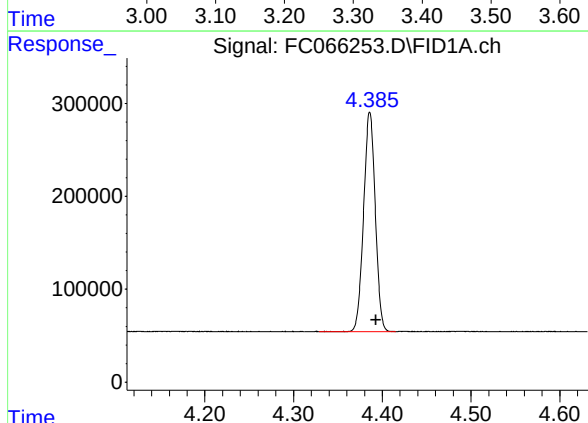
#1 n-Nonane (C9)

R.T.: 3.315 min
Delta R.T.: -0.006 min
Response: 2052690
Conc: 15.94 ug/ml

Instrument : FID_C
ClientSampleId : 20 PPM ALIPHATIC HC STD

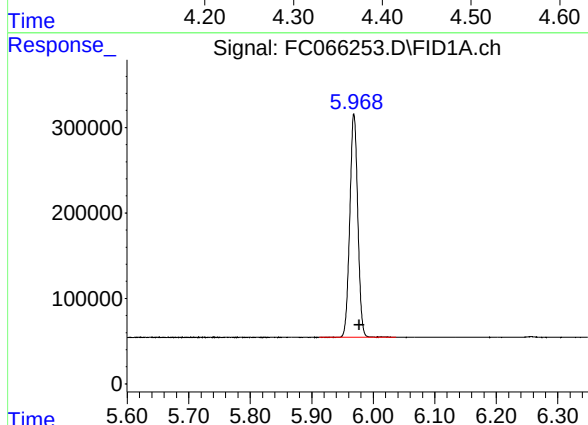
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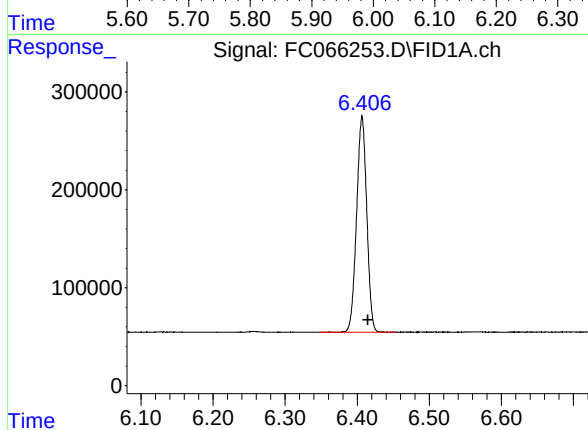
#2 n-Decane (C10)

R.T.: 4.386 min
Delta R.T.: -0.007 min
Response: 2156645
Conc: 16.54 ug/ml



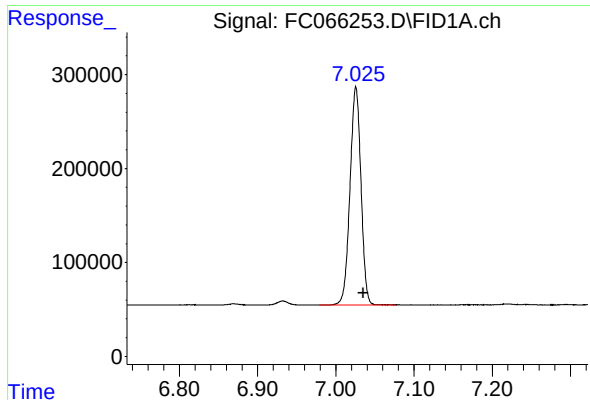
#3 A~Naphthalene (C11.7)

R.T.: 5.969 min
Delta R.T.: -0.009 min
Response: 2362319
Conc: 16.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.407 min
Delta R.T.: -0.008 min
Response: 2165518
Conc: 16.72 ug/ml



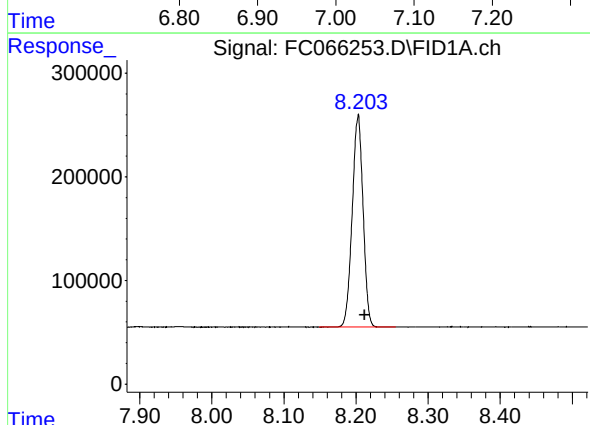
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.026 min
Delta R.T.: -0.009 min
Response: 2265457
Conc: 16.45 ug/ml

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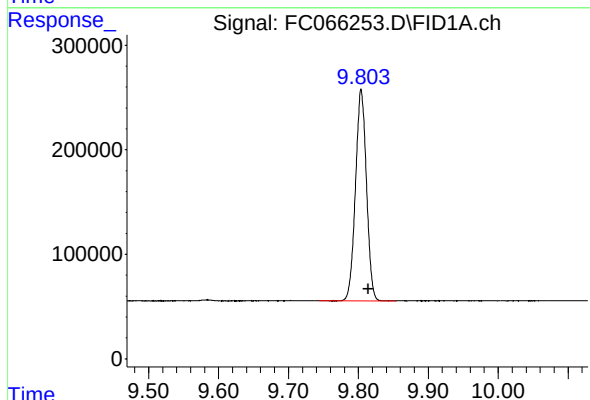
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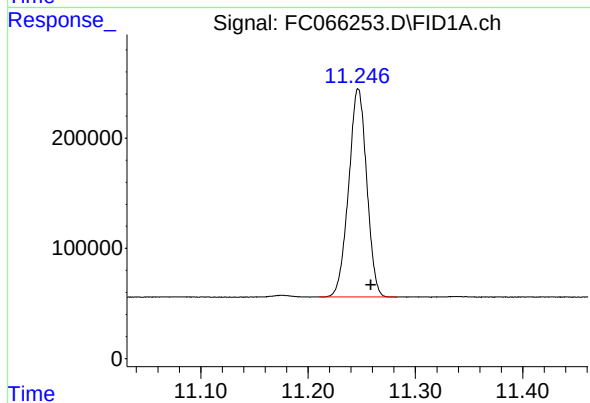
#6 n-Tetradecane (C14)

R.T.: 8.203 min
Delta R.T.: -0.009 min
Response: 2144227
Conc: 17.04 ug/ml



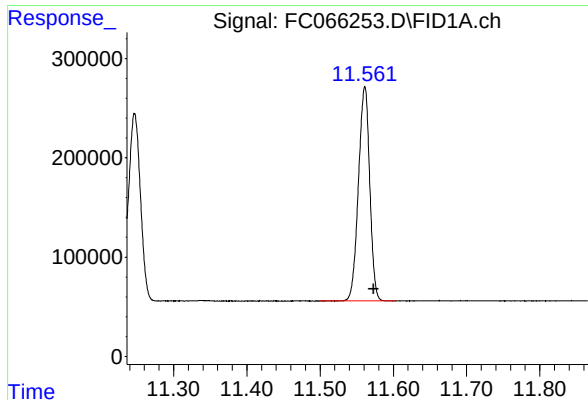
#7 n-Hexadecane (C16)

R.T.: 9.804 min
Delta R.T.: -0.010 min
Response: 2207222
Conc: 17.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.247 min
Delta R.T.: -0.012 min
Response: 2212475
Conc: 17.38 ug/ml



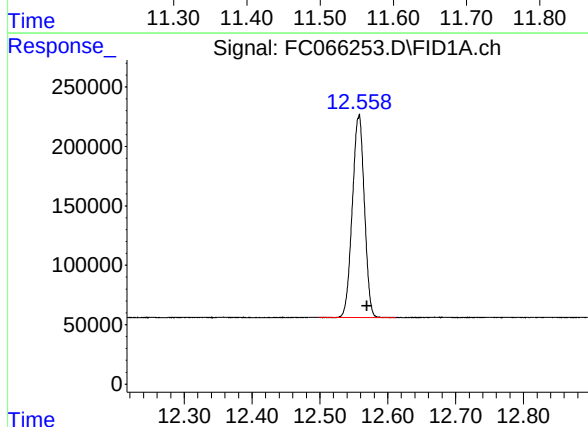
#9 ortho-Terphenyl (SURR)

R.T.: 11.561 min
Delta R.T.: -0.012 min
Response: 2312837
Conc: 16.75 ug/ml

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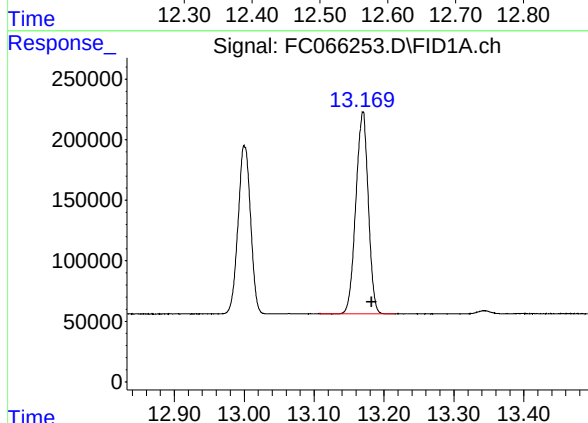
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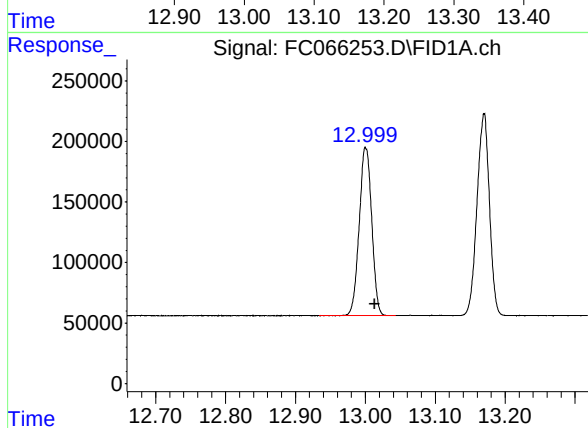
#10 n-Eicosane (C20)

R.T.: 12.557 min
Delta R.T.: -0.012 min
Response: 2104149
Conc: 17.46 ug/ml



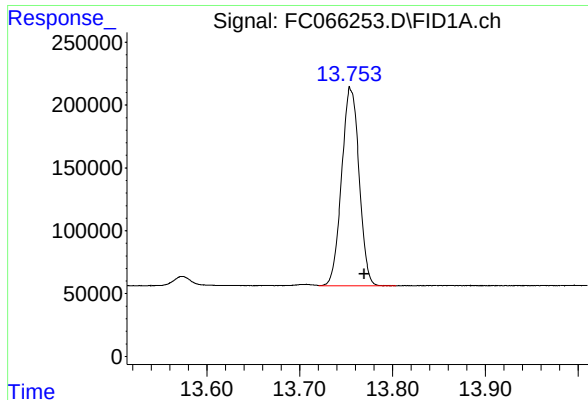
#11 n-Heneicosane (C21)

R.T.: 13.169 min
Delta R.T.: -0.013 min
Response: 2062248
Conc: 17.43 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.001 min
Delta R.T.: -0.013 min
Response: 1727269
Conc: 17.60 ug/ml



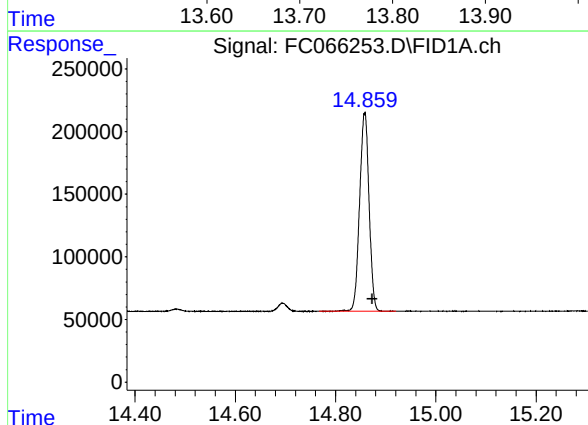
#13 n-Docosane (C22)

R.T.: 13.755 min
Delta R.T.: -0.014 min
Response: 2060939
Conc: 17.56 ug/ml

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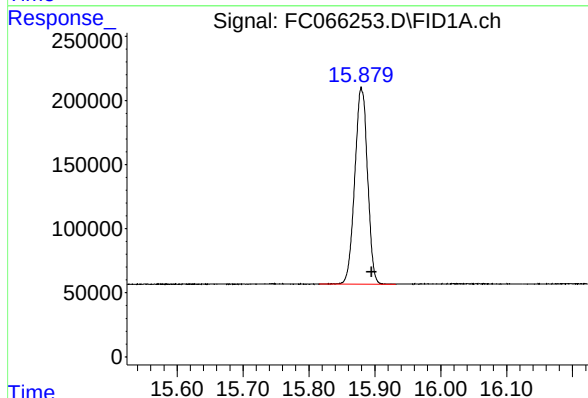
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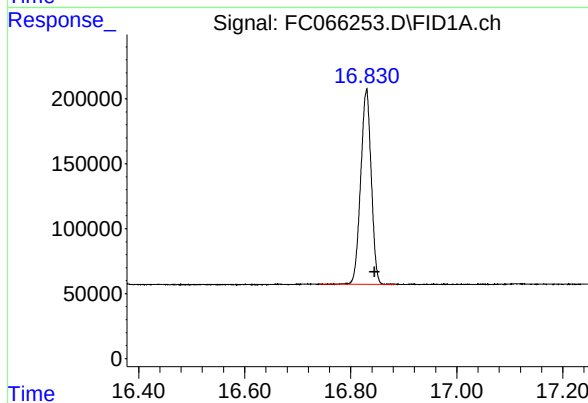
#14 n-Tetracosane (C24)

R.T.: 14.858 min
Delta R.T.: -0.015 min
Response: 2077735
Conc: 17.81 ug/ml



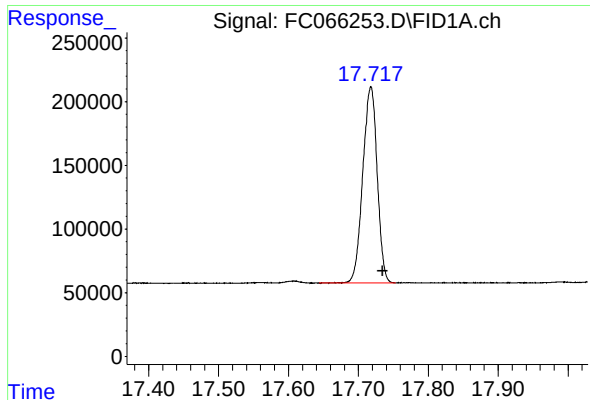
#15 n-Hexacosane (C26)

R.T.: 15.880 min
Delta R.T.: -0.015 min
Response: 2056244
Conc: 17.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.829 min
Delta R.T.: -0.016 min
Response: 2067985
Conc: 18.25 ug/ml



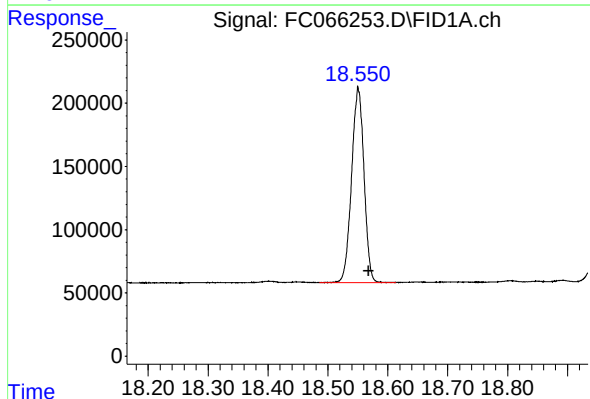
#17 n-Tricontane (C30)

R.T.: 17.718 min
Delta R.T.: -0.017 min
Response: 2204539
Conc: 19.03 ug/ml

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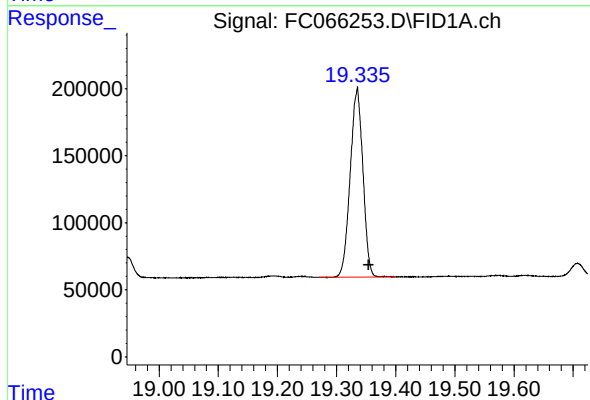
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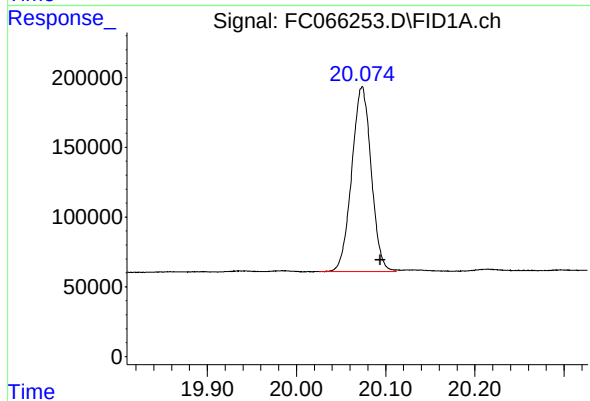
#18 n-Dotriacontane (C32)

R.T.: 18.551 min
Delta R.T.: -0.018 min
Response: 2219843
Conc: 19.33 ug/ml



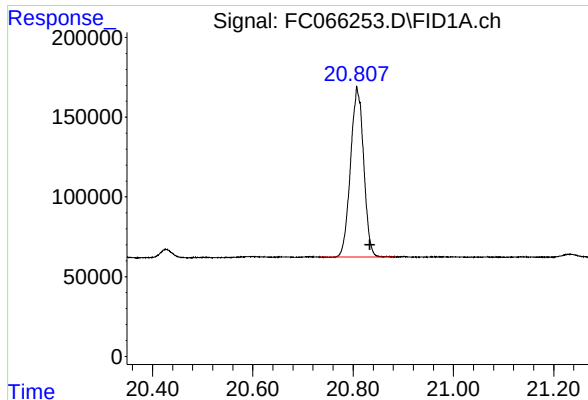
#19 n-Tetratriacontane (C34)

R.T.: 19.335 min
Delta R.T.: -0.020 min
Response: 2103260
Conc: 19.15 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.074 min
Delta R.T.: -0.020 min
Response: 2007693
Conc: 19.45 ug/ml m



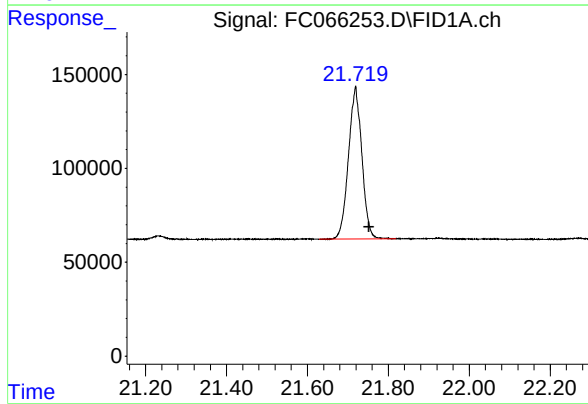
#21 n-Octatriacontane (C38)

R.T.: 20.809 min
Delta R.T.: -0.025 min
Response: 1933227
Conc: 19.83 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.719 min
Delta R.T.: -0.033 min
Response: 1861149
Conc: 20.57 ug/ml