

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092524AL\
 Data File : FC067257.D
 Signal(s) : FID1A.ch
 Acq On : 25 Sep 2024 12:24
 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 09/26/2024
 Supervised By :Ankita Jodhani 09/26/2024

Integration File: autoint1.e
 Quant Time: Sep 26 05:26:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 02:55:44 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)	11.499	2473669	17.765 ug/ml
Spiked Amount 50.000		Recovery =	35.53%
12) S 1-chlorooctadecane (S...	12.939	1724094	17.649 ug/ml
Spiked Amount 50.000		Recovery =	35.30%
Target Compounds			
1) T n-Nonane (C9)	3.275	2344928	17.678 ug/ml
2) T n-Decane (C10)	4.340	2454580	18.276 ug/ml
3) T A~Naphthalene (C11.7)	5.918	2557416	17.994 ug/ml
4) T n-Dodecane (C12)	6.356	2441953	18.243 ug/ml
5) T A~2-methylnaphthalene...	6.974	2404604	18.007 ug/ml
6) T n-Tetradecane (C14)	8.149	2365307	18.353 ug/ml
7) T n-Hexadecane (C16)	9.748	2380427	18.464 ug/ml
8) T n-Octadecane (C18)	11.188	2365158	18.486 ug/ml
10) T n-Eicosane (C20)	12.496	2214931	18.440 ug/ml
11) T n-Heneicosane (C21)	13.107	2160090	18.495 ug/ml
13) T n-Docosane (C22)	13.693	2139880	18.534 ug/ml
14) T n-Tetracosane (C24)	14.794	2157615	18.999 ug/ml
15) T n-Hexacosane (C26)	15.815	2141386	19.322 ug/ml
16) T n-Octacosane (C28)	16.762	2209315	20.453 ug/ml
17) T n-Tricontane (C30)	17.649	2411626	22.171 ug/ml
18) T n-Dotriacontane (C32)	18.477	2434702	23.342 ug/mlm
19) T n-Tetratriacontane (C34)	19.262	2214989	24.009 ug/ml
20) T n-Hexatriacontane (C36)	20.001	1906712	24.060 ug/ml
21) T n-Octatriacontane (C38)	20.725	1572452	20.934 ug/ml
22) T n-Tetracontane (C40)	21.610	1257040	17.992 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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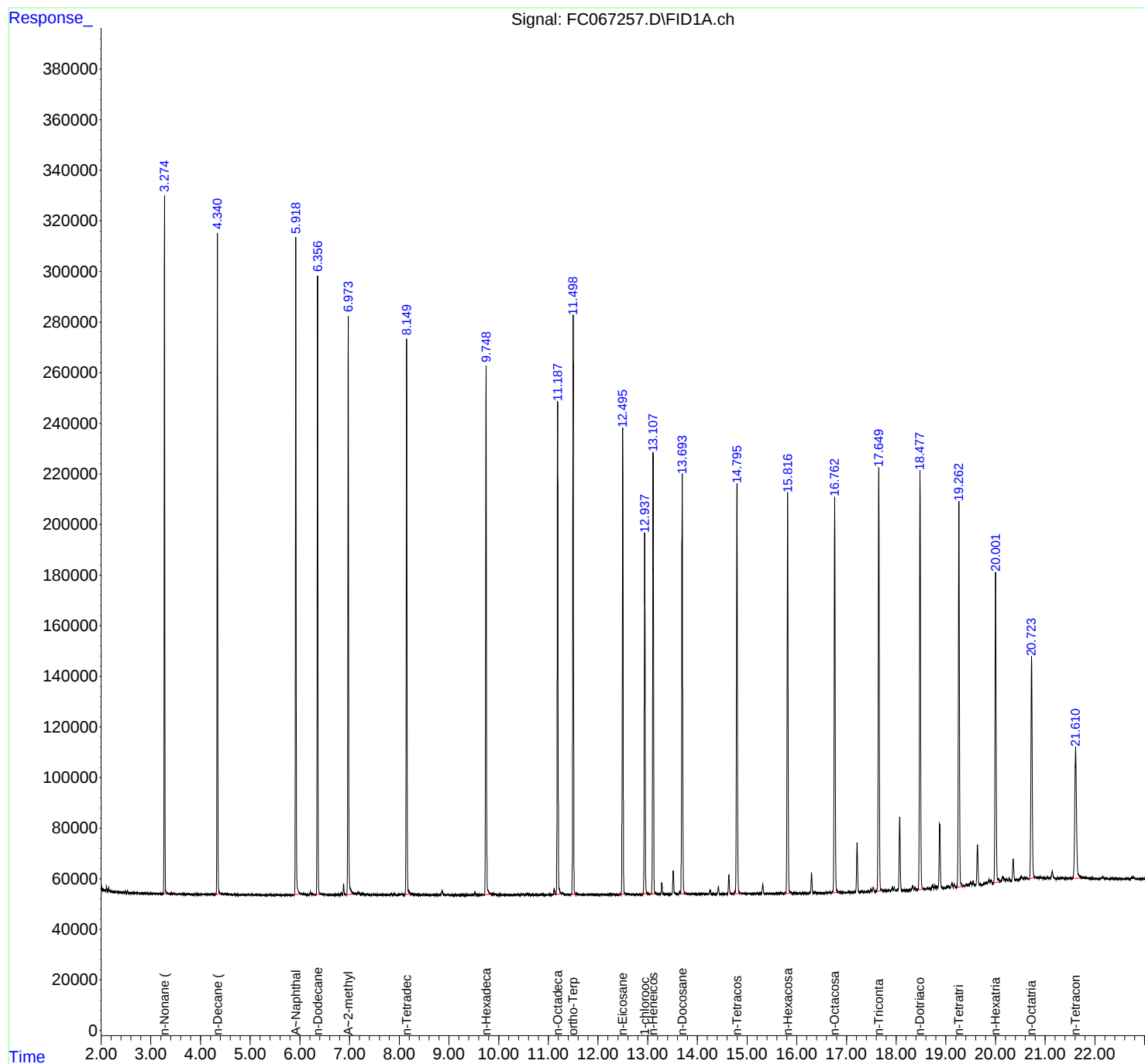
Instrument :
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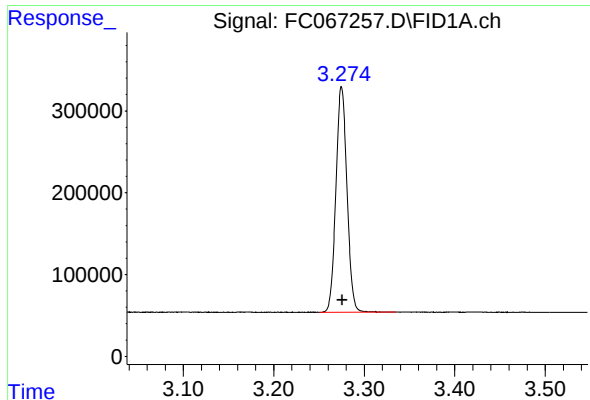
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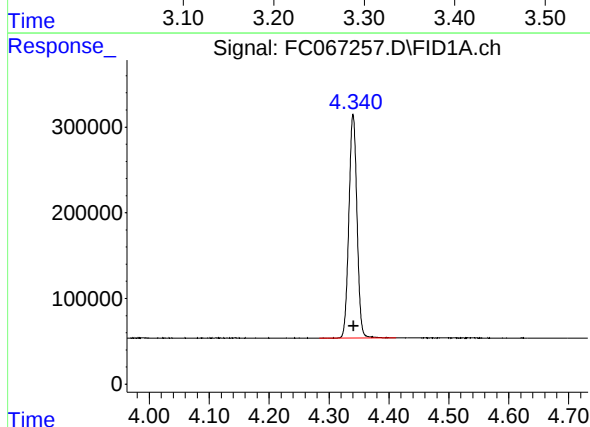
#1 n-Nonane (C9)

R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 2344928
Conc: 17.68 ug/ml

Instrument : FID_C
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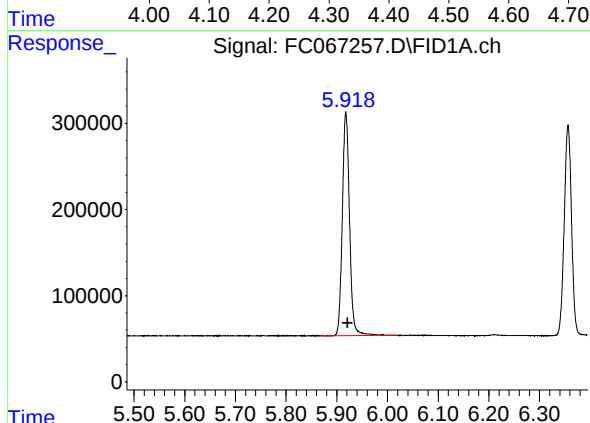
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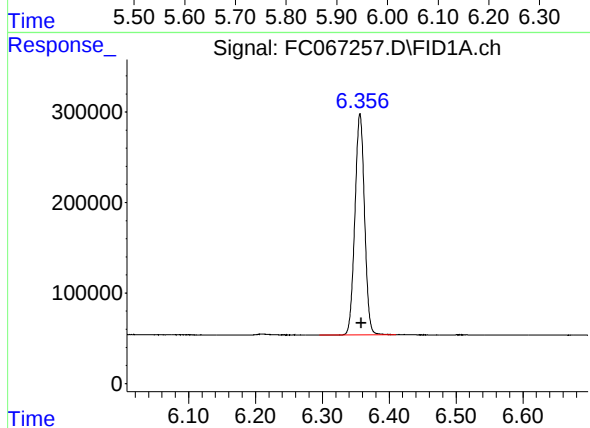
#2 n-Decane (C10)

R.T.: 4.340 min
Delta R.T.: 0.000 min
Response: 2454580
Conc: 18.28 ug/ml



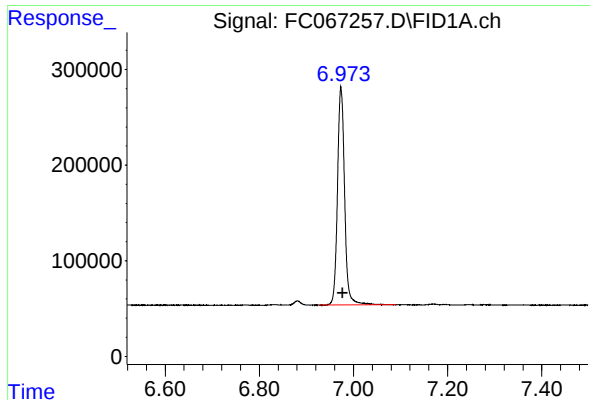
#3 A~Naphthalene (C11.7)

R.T.: 5.918 min
Delta R.T.: -0.003 min
Response: 2557416
Conc: 17.99 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.356 min
Delta R.T.: -0.002 min
Response: 2441953
Conc: 18.24 ug/ml



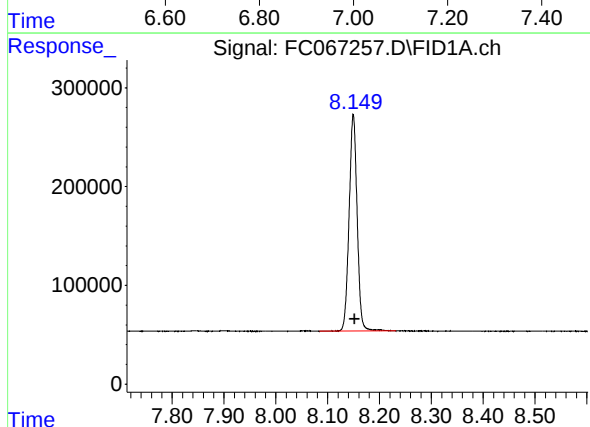
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.974 min
Delta R.T.: -0.003 min
Response: 2404604
Conc: 18.01 ug/ml

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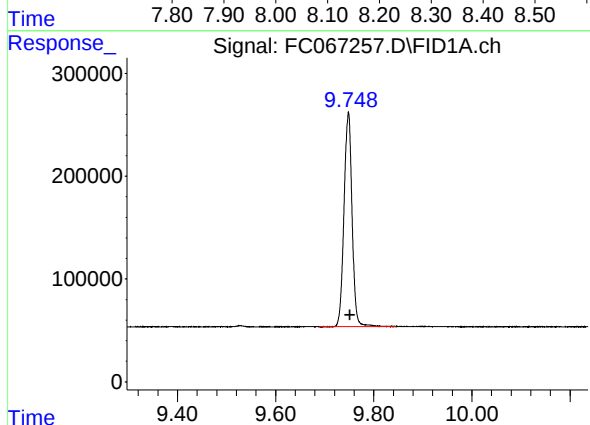
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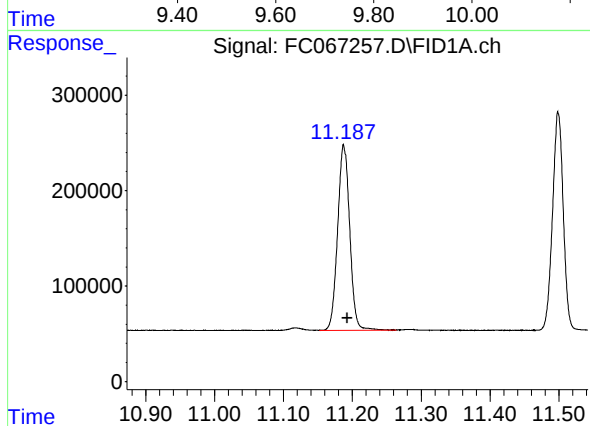
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: -0.003 min
Response: 2365307
Conc: 18.35 ug/ml



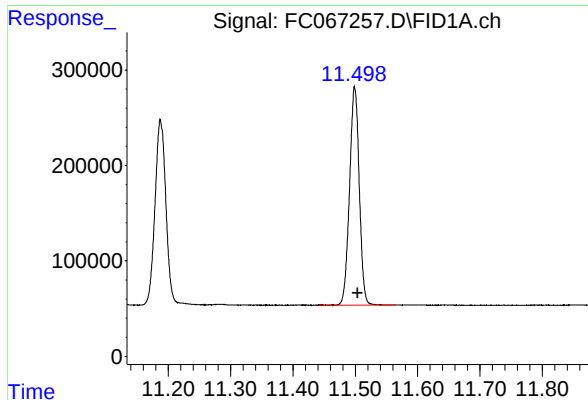
#7 n-Hexadecane (C16)

R.T.: 9.748 min
Delta R.T.: -0.004 min
Response: 2380427
Conc: 18.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.188 min
Delta R.T.: -0.005 min
Response: 2365158
Conc: 18.49 ug/ml



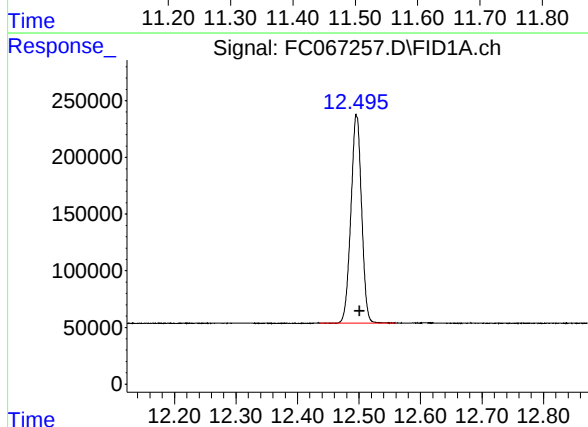
#9 ortho-Terphenyl (SURR)

R.T.: 11.499 min
Delta R.T.: -0.005 min
Response: 2473669
Conc: 17.76 ug/ml

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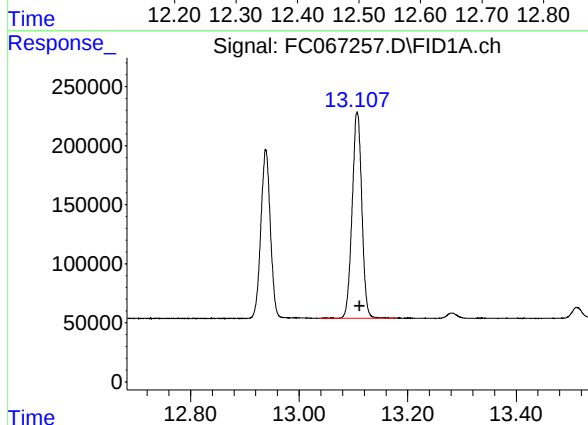
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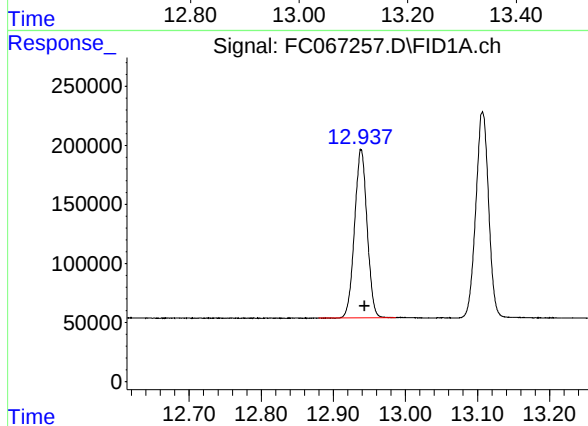
#10 n-Eicosane (C20)

R.T.: 12.496 min
Delta R.T.: -0.005 min
Response: 2214931
Conc: 18.44 ug/ml



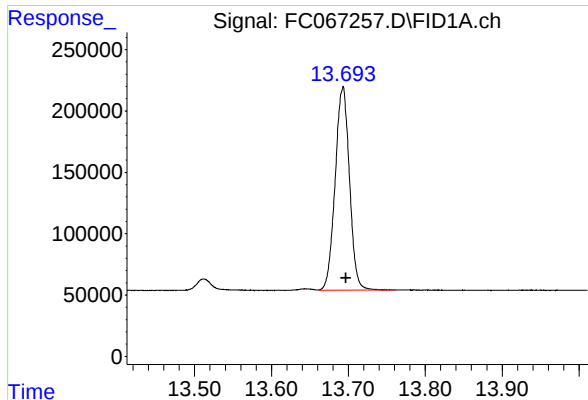
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: -0.004 min
Response: 2160090
Conc: 18.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.939 min
Delta R.T.: -0.005 min
Response: 1724094
Conc: 17.65 ug/ml



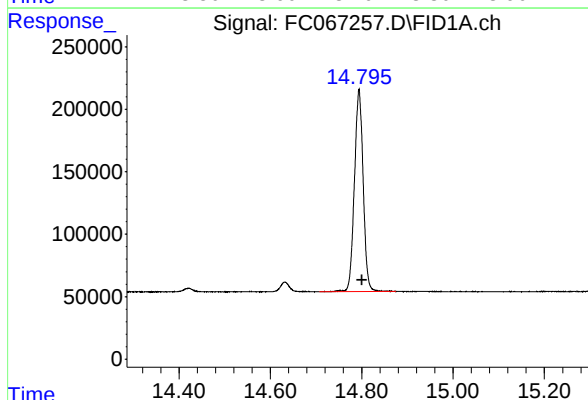
#13 n-Docosane (C22)

R.T.: 13.693 min
Delta R.T.: -0.004 min
Response: 2139880
Conc: 18.53 ug/ml

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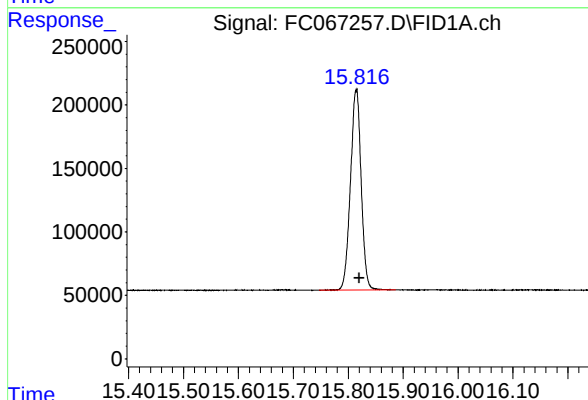
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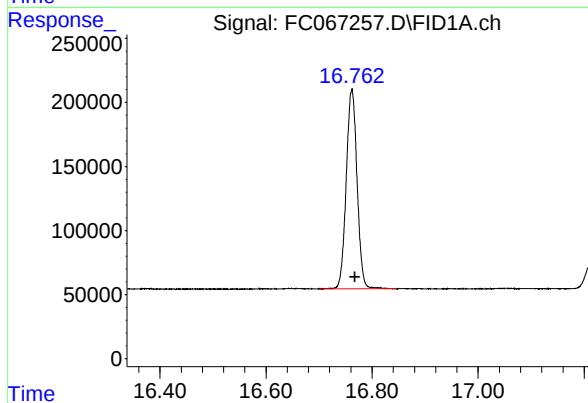
#14 n-Tetracosane (C24)

R.T.: 14.794 min
Delta R.T.: -0.007 min
Response: 2157615
Conc: 19.00 ug/ml



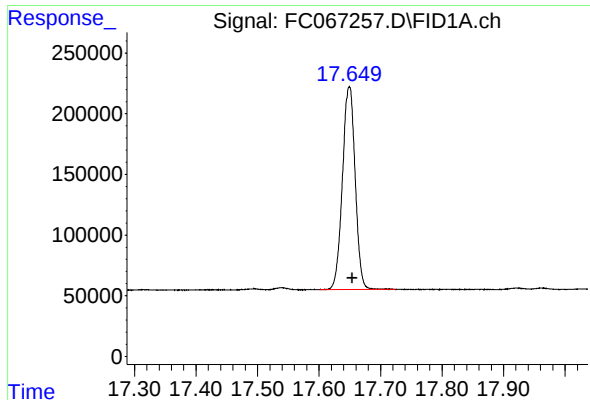
#15 n-Hexacosane (C26)

R.T.: 15.815 min
Delta R.T.: -0.006 min
Response: 2141386
Conc: 19.32 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.762 min
Delta R.T.: -0.006 min
Response: 2209315
Conc: 20.45 ug/ml



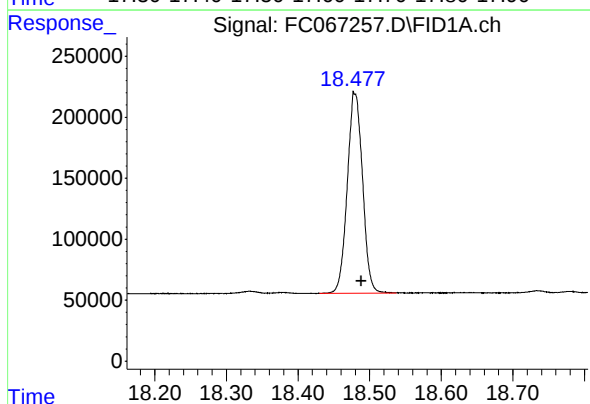
#17 n-Tricontane (C30)

R.T.: 17.649 min
Delta R.T.: -0.005 min
Response: 2411626
Conc: 22.17 ug/ml

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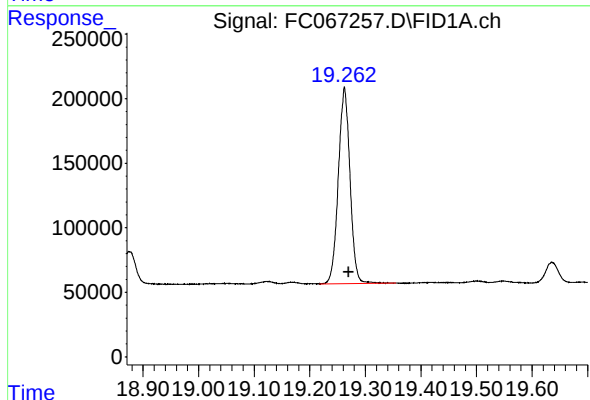
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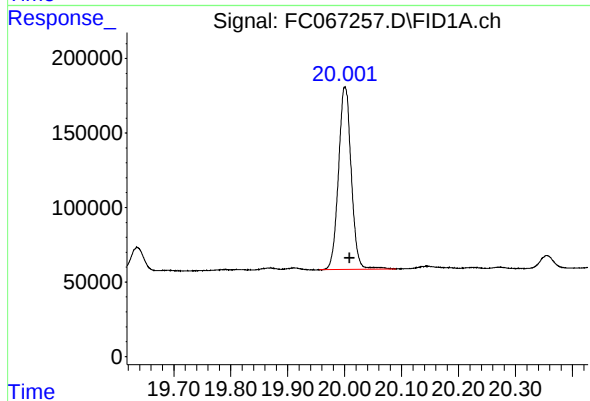
#18 n-Dotriacontane (C32)

R.T.: 18.477 min
Delta R.T.: -0.011 min
Response: 2434702
Conc: 23.34 ug/ml m



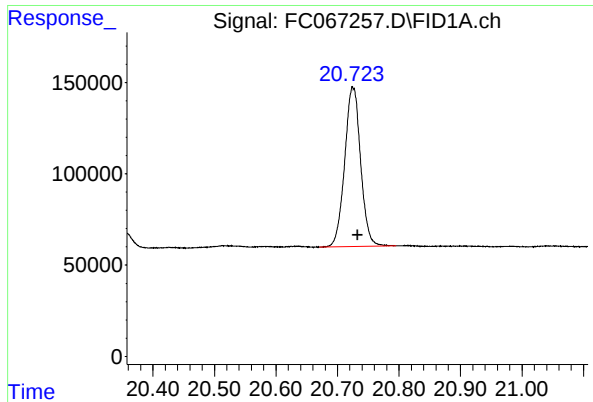
#19 n-Tetratriacontane (C34)

R.T.: 19.262 min
Delta R.T.: -0.007 min
Response: 2214989
Conc: 24.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.001 min
Delta R.T.: -0.008 min
Response: 1906712
Conc: 24.06 ug/ml



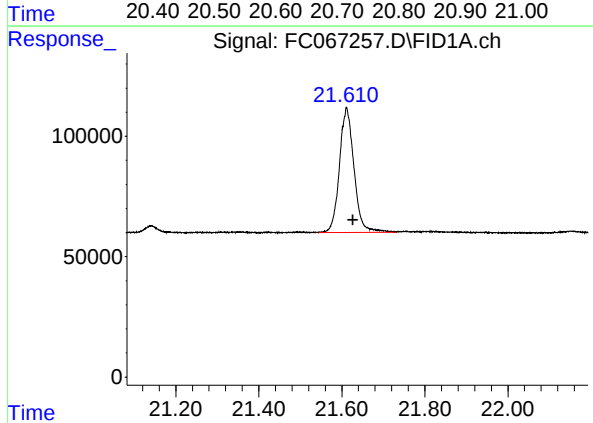
#21 n-Octatriacontane (C38)

R.T.: 20.725 min
Delta R.T.: -0.008 min
Response: 1572452
Conc: 20.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.610 min
Delta R.T.: -0.016 min
Response: 1257040
Conc: 17.99 ug/ml m