

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092724AL\
 Data File : FC067294.D
 Signal(s) : FID1A.ch
 Acq On : 27 Sep 2024 07:09
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/30/2024
 Supervised By :Ankita Jodhani 09/30/2024

Integration File: autoint1.e
 Quant Time: Sep 28 01:56:54 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	2604570	18.705 ug/ml
Spiked Amount 50.000		Recovery =	37.41%
12) S 1-chlorooctadecane (S...	12.938	1882386	19.270 ug/ml
Spiked Amount 50.000		Recovery =	38.54%
Target Compounds			
1) T n-Nonane (C9)	3.275	2379483	17.938 ug/ml
2) T n-Decane (C10)	4.339	2463150	18.340 ug/ml
3) T A~Naphthalene (C11.7)	5.917	2589170	18.218 ug/ml
4) T n-Dodecane (C12)	6.355	2456914	18.355 ug/ml
5) T A~2-methylnaphthalene...	6.973	2446071	18.318 ug/ml
6) T n-Tetradecane (C14)	8.149	2413099	18.724 ug/ml
7) T n-Hexadecane (C16)	9.747	2435648	18.892 ug/ml
8) T n-Octadecane (C18)	11.187	2459184	19.221 ug/ml
10) T n-Eicosane (C20)	12.495	2306179	19.200 ug/ml
11) T n-Heneicosane (C21)	13.107	2257615	19.330 ug/ml
13) T n-Docosane (C22)	13.692	2266566	19.631 ug/ml
14) T n-Tetracosane (C24)	14.793	2341580	20.619 ug/ml
15) T n-Hexacosane (C26)	15.813	2375134	21.431 ug/ml
16) T n-Octacosane (C28)	16.761	2479970	22.959 ug/ml
17) T n-Tricontane (C30)	17.648	2631858	24.196 ug/ml
18) T n-Dotriacontane (C32)	18.477	2557867	24.523 ug/mlm
19) T n-Tetratriacontane (C34)	19.262	2126332	23.048 ug/ml
20) T n-Hexatriacontane (C36)	20.000	1668877	21.059 ug/ml
21) T n-Octatriacontane (C38)	20.723	1410598	18.779 ug/ml
22) T n-Tetracontane (C40)	21.613	1193692	17.086 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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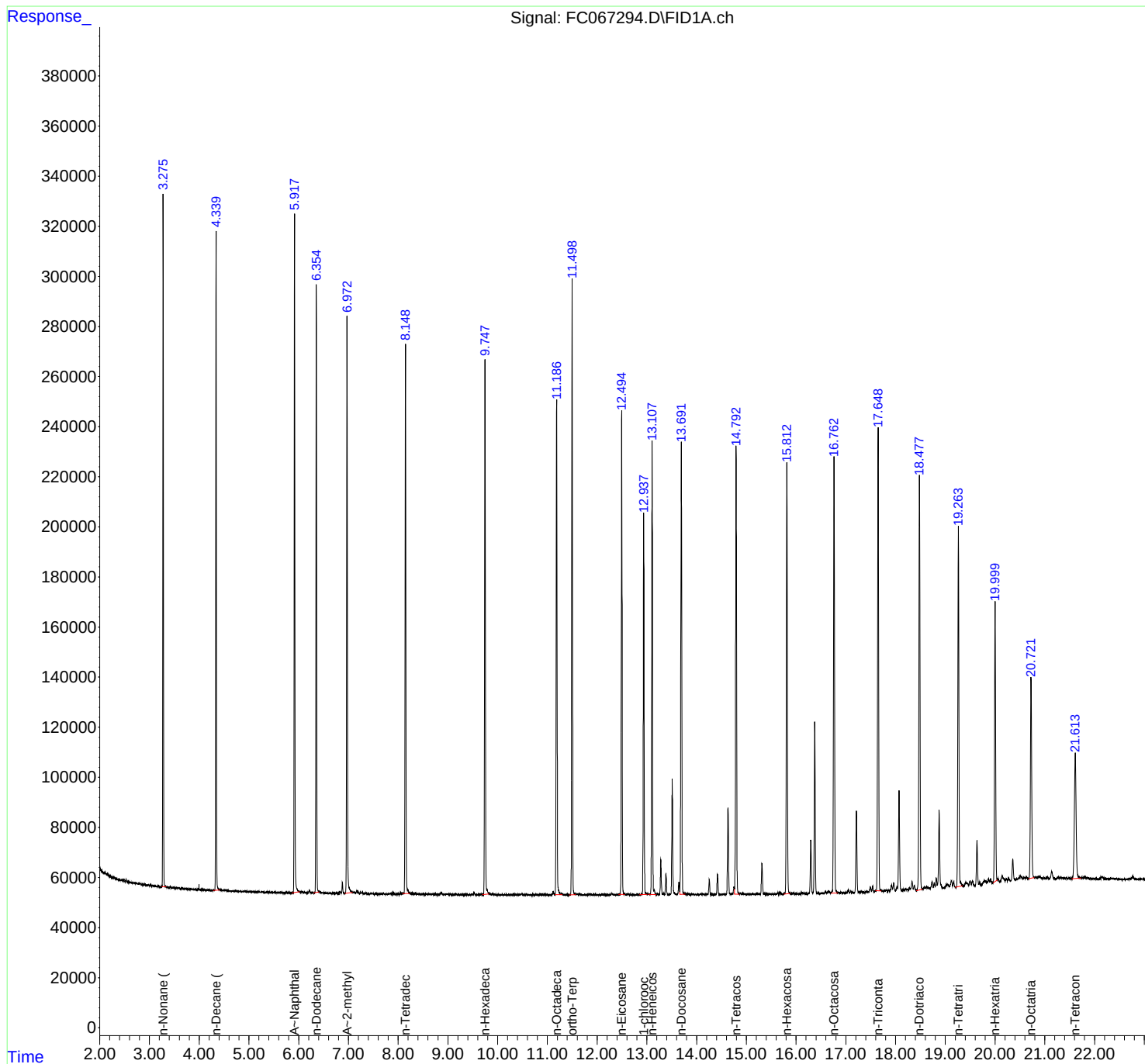
Instrument :
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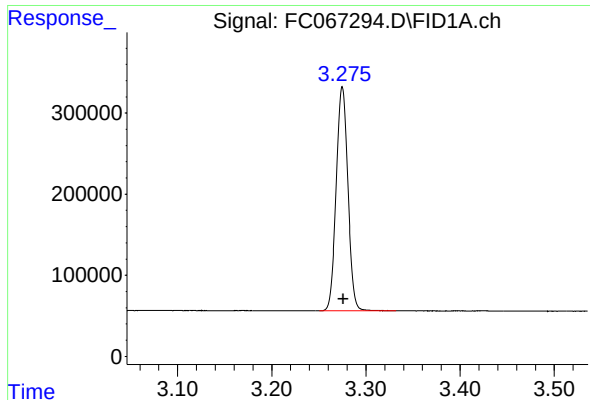
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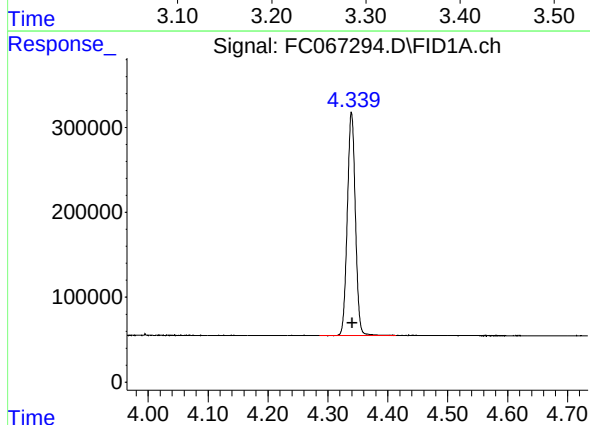
#1 n-Nonane (C9)

R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 2379483
Conc: 17.94 ug/ml

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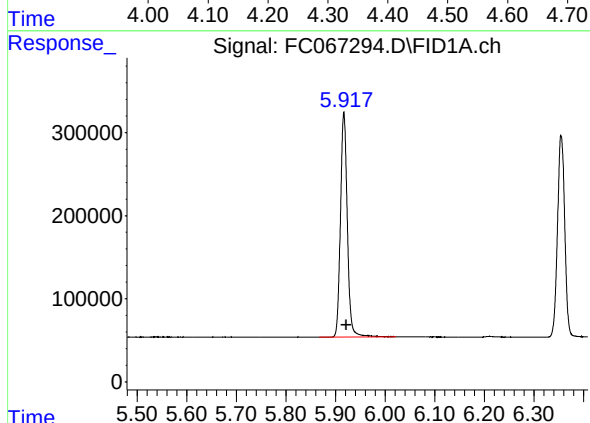
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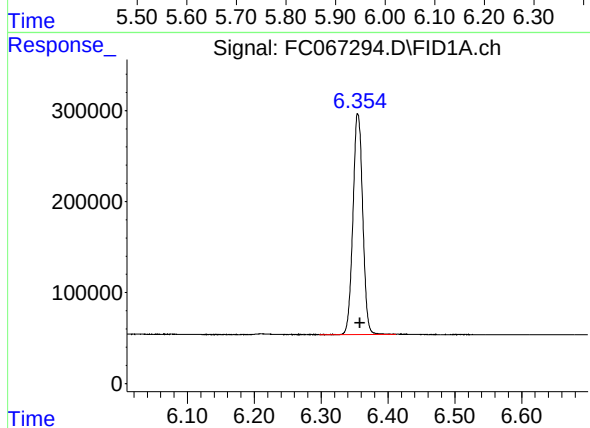
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: -0.001 min
Response: 2463150
Conc: 18.34 ug/ml



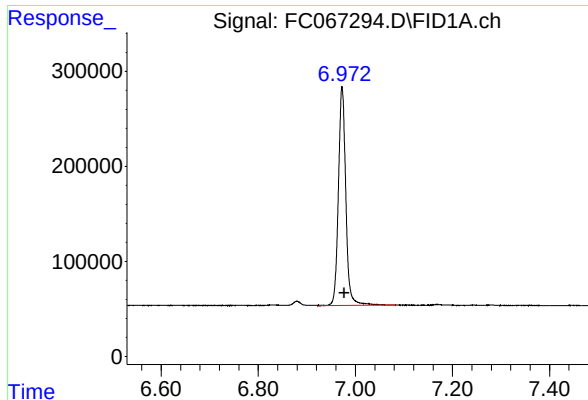
#3 A~Naphthalene (C11.7)

R.T.: 5.917 min
Delta R.T.: -0.004 min
Response: 2589170
Conc: 18.22 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.355 min
Delta R.T.: -0.003 min
Response: 2456914
Conc: 18.35 ug/ml



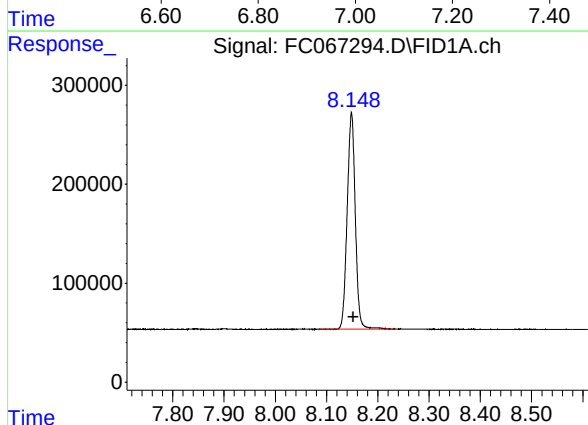
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.973 min
Delta R.T.: -0.004 min
Response: 2446071
Conc: 18.32 ug/ml

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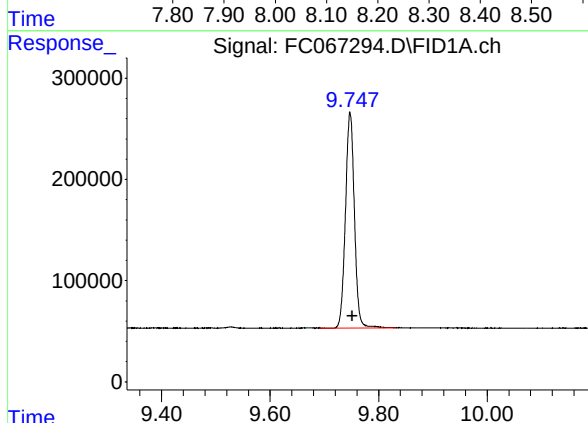
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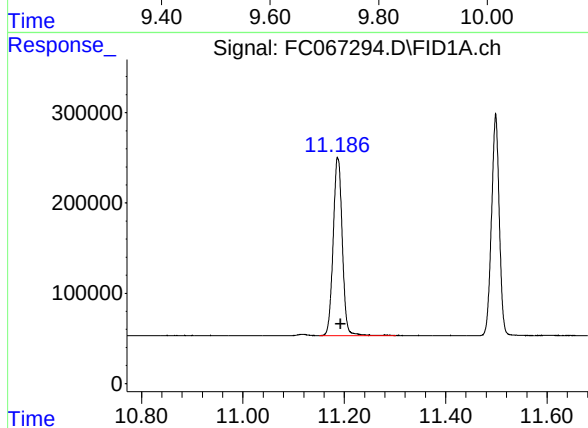
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: -0.003 min
Response: 2413099
Conc: 18.72 ug/ml



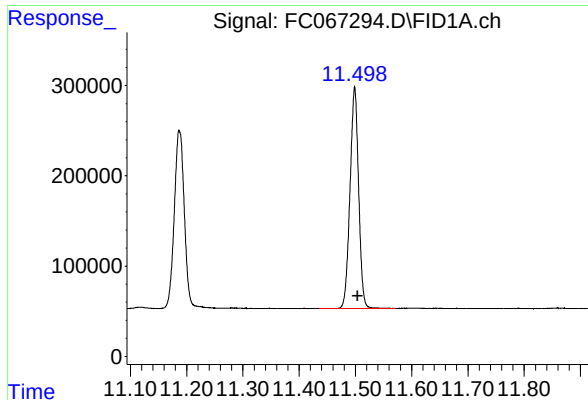
#7 n-Hexadecane (C16)

R.T.: 9.747 min
Delta R.T.: -0.004 min
Response: 2435648
Conc: 18.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.187 min
Delta R.T.: -0.005 min
Response: 2459184
Conc: 19.22 ug/ml



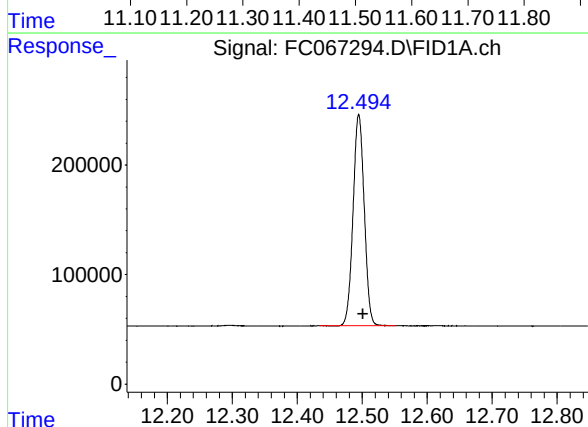
#9 ortho-Terphenyl (SURR)

R.T.: 11.499 min
Delta R.T.: -0.005 min
Response: 2604570
Conc: 18.70 ug/ml

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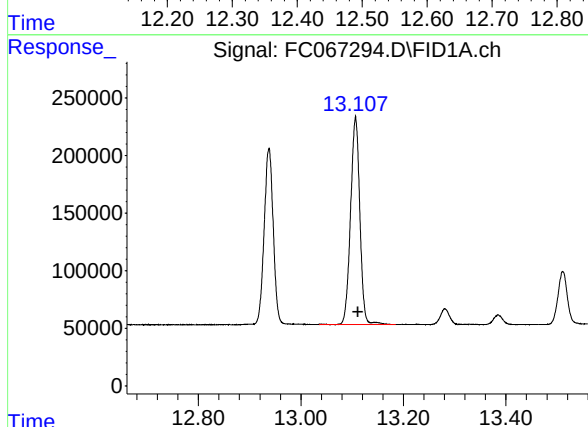
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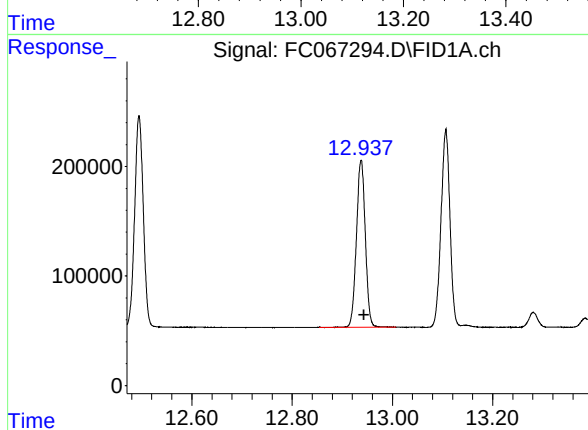
#10 n-Eicosane (C20)

R.T.: 12.495 min
Delta R.T.: -0.006 min
Response: 2306179
Conc: 19.20 ug/ml



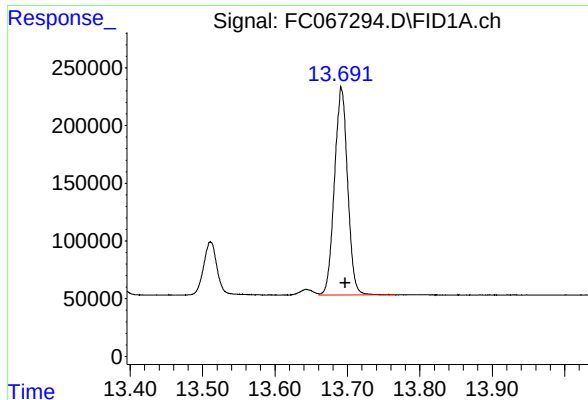
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: -0.005 min
Response: 2257615
Conc: 19.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.938 min
Delta R.T.: -0.006 min
Response: 1882386
Conc: 19.27 ug/ml



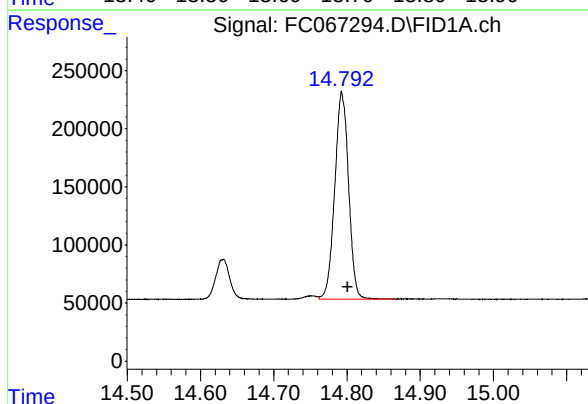
#13 n-Docosane (C22)

R.T.: 13.692 min
Delta R.T.: -0.005 min
Response: 2266566
Conc: 19.63 ug/ml

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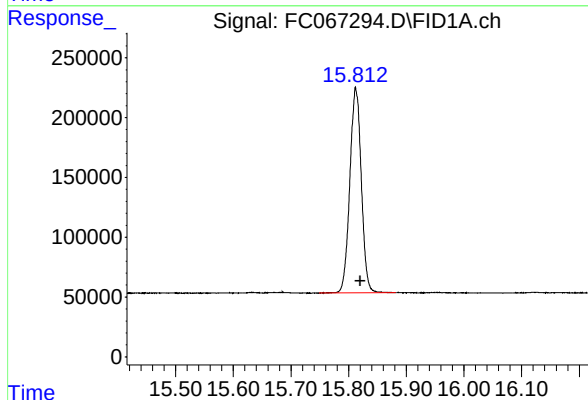
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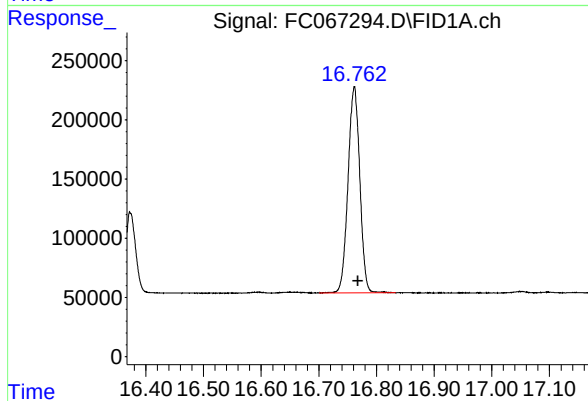
#14 n-Tetracosane (C24)

R.T.: 14.793 min
Delta R.T.: -0.008 min
Response: 2341580
Conc: 20.62 ug/ml



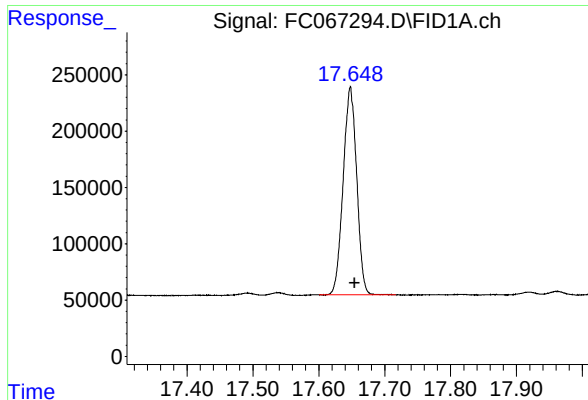
#15 n-Hexacosane (C26)

R.T.: 15.813 min
Delta R.T.: -0.008 min
Response: 2375134
Conc: 21.43 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.761 min
Delta R.T.: -0.007 min
Response: 2479970
Conc: 22.96 ug/ml



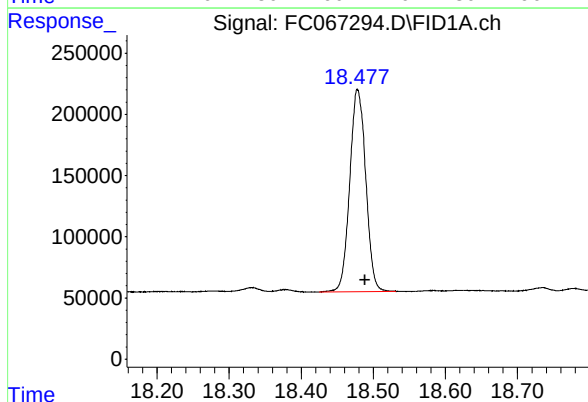
#17 n-Tricontane (C30)

R.T.: 17.648 min
Delta R.T.: -0.006 min
Response: 2631858
Conc: 24.20 ug/ml

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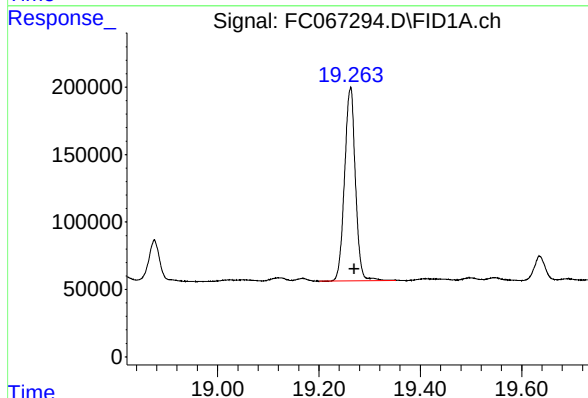
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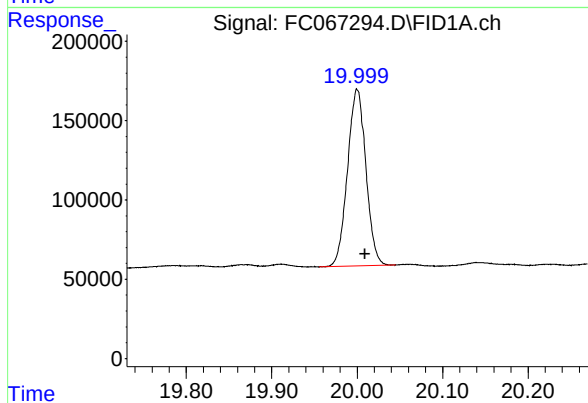
#18 n-Dotriacontane (C32)

R.T.: 18.477 min
Delta R.T.: -0.011 min
Response: 2557867
Conc: 24.52 ug/ml



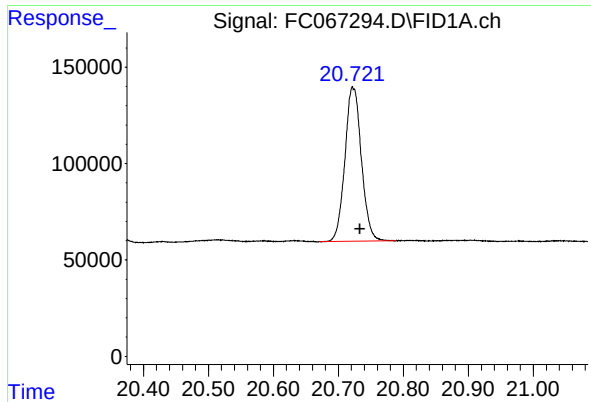
#19 n-Tetatriacontane (C34)

R.T.: 19.262 min
Delta R.T.: -0.008 min
Response: 2126332
Conc: 23.05 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.000 min
Delta R.T.: -0.009 min
Response: 1668877
Conc: 21.06 ug/ml



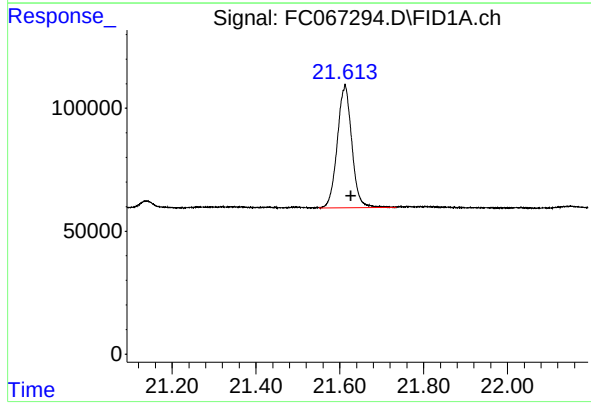
#21 n-Octatriacontane (C38)

R.T.: 20.723 min
Delta R.T.: -0.011 min
Response: 1410598
Conc: 18.78 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.613 min
Delta R.T.: -0.014 min
Response: 1193692
Conc: 17.09 ug/ml m