

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F111324AL\
 Data File : FC067745.D
 Signal(s) : FID1A.ch
 Acq On : 13 Nov 2024 22:40
 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 11/14/2024
 Supervised By :Ankita Jodhani 11/14/2024

Integration File: autoint1.e
 Quant Time: Nov 14 01:19:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 18:12:58 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)	11.487	2853277	19.446 ug/ml
Spiked Amount 50.000		Recovery =	38.89%
12) S 1-chlorooctadecane (S...	12.925	2131382	19.737 ug/ml
Spiked Amount 50.000		Recovery =	39.47%
Target Compounds			
1) T n-Nonane (C9)	3.270	2630353	19.525 ug/ml
2) T n-Decane (C10)	4.334	2678484	19.659 ug/ml
3) T A~Naphthalene (C11.7)	5.910	2905205	19.605 ug/ml
4) T n-Dodecane (C12)	6.348	2652038	19.581 ug/ml
5) T A~2-methylnaphthalene...	6.964	2765109	19.580 ug/ml
6) T n-Tetradecane (C14)	8.140	2575153	19.619 ug/ml
7) T n-Hexadecane (C16)	9.736	2608133	19.743 ug/ml
8) T n-Octadecane (C18)	11.176	2609712	19.754 ug/ml
10) T n-Eicosane (C20)	12.483	2487790	19.717 ug/ml
11) T n-Heneicosane (C21)	13.093	2438614	19.760 ug/ml
13) T n-Docosane (C22)	13.679	2432659	19.867 ug/ml
14) T n-Tetracosane (C24)	14.780	2428202	20.033 ug/ml
15) T n-Hexacosane (C26)	15.798	2384790	20.031 ug/ml
16) T n-Octacosane (C28)	16.747	2412653	20.508 ug/ml
17) T n-Tricontane (C30)	17.632	2570819	21.269 ug/ml
18) T n-Dotriacontane (C32)	18.464	2559373	21.631 ug/mlm
19) T n-Tetratriacontane (C34)	19.244	2264602	21.624 ug/ml
20) T n-Hexatriacontane (C36)	19.983	1929624	21.198 ug/ml
21) T n-Octatriacontane (C38)	20.704	1815629	20.965 ug/mlm
22) T n-Tetracontane (C40)	21.583	1683528	19.804 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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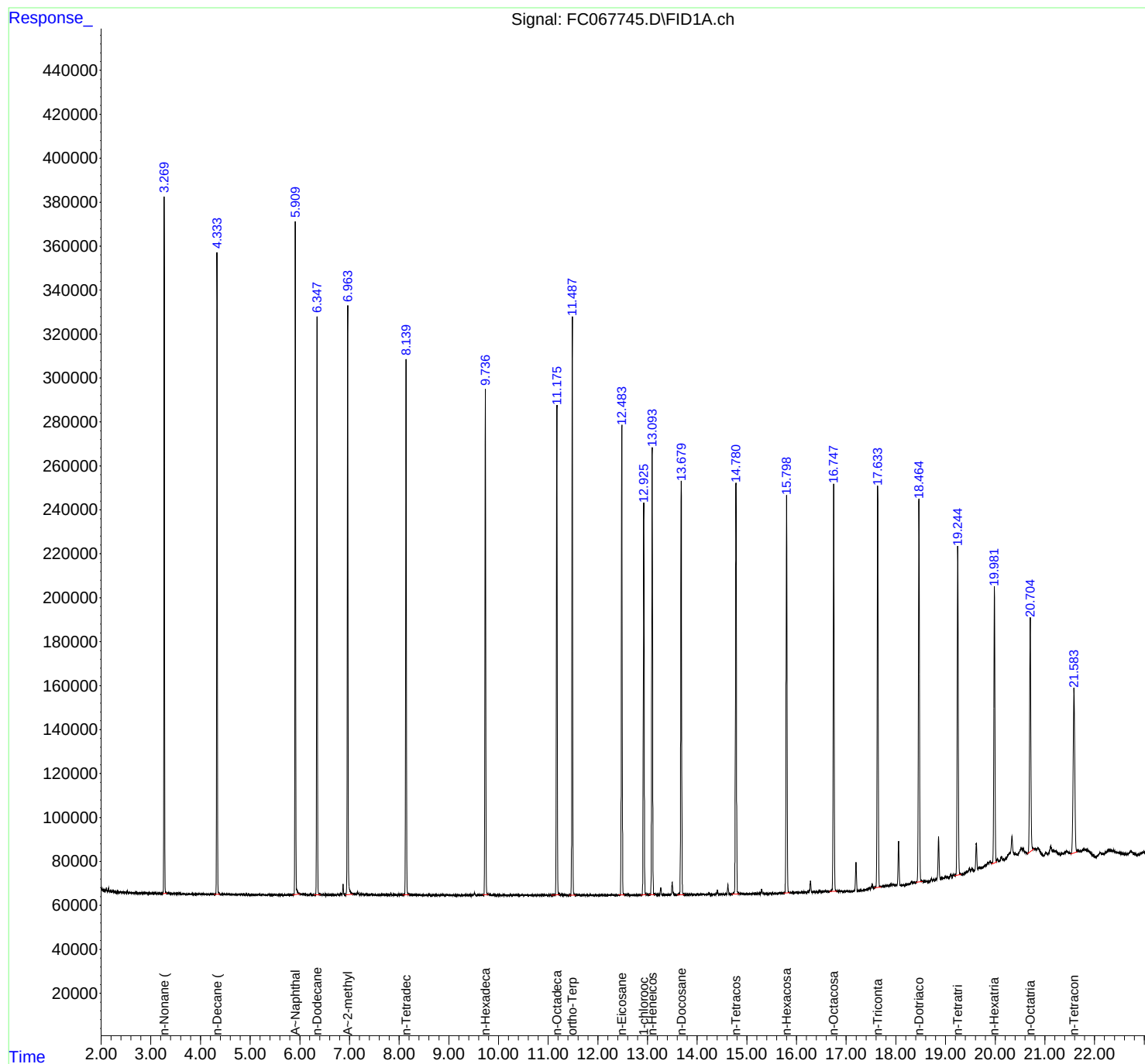
Instrument :
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20 PPM ALIPHATIC HC STD

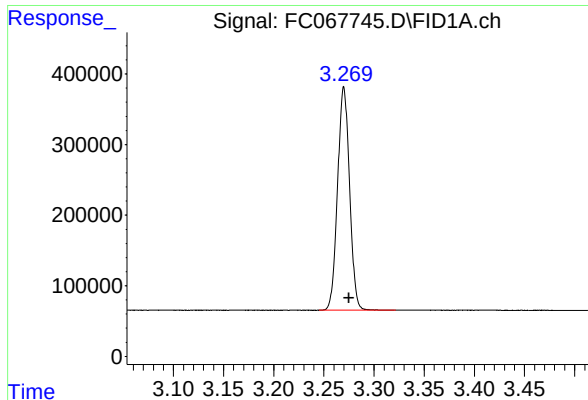
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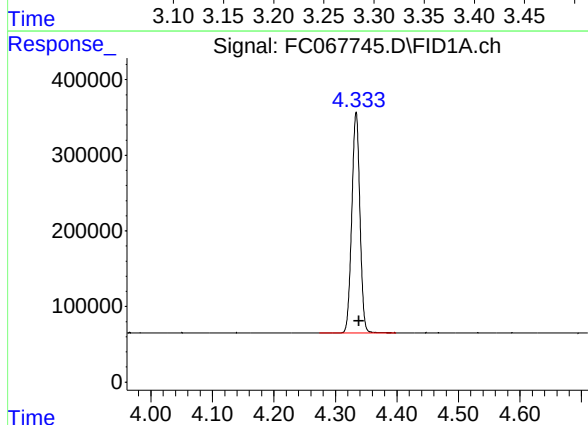
#1 n-Nonane (C9)

R.T.: 3.270 min
Delta R.T.: -0.005 min
Response: 2630353
Conc: 19.52 ug/ml

Instrument :
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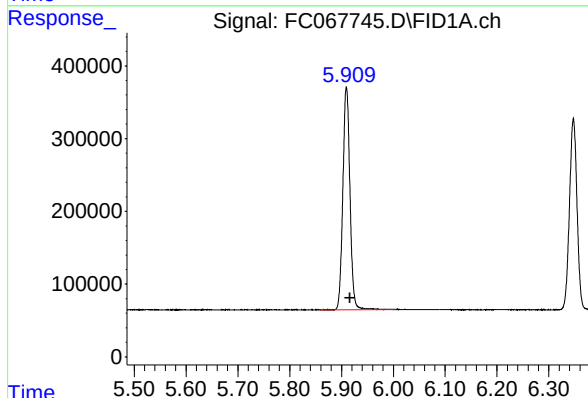
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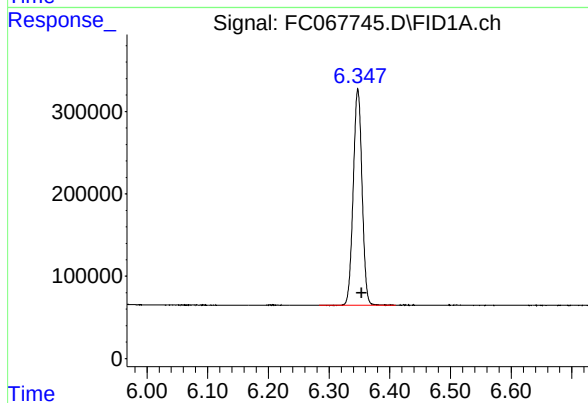
#2 n-Decane (C10)

R.T.: 4.334 min
Delta R.T.: -0.005 min
Response: 2678484
Conc: 19.66 ug/ml



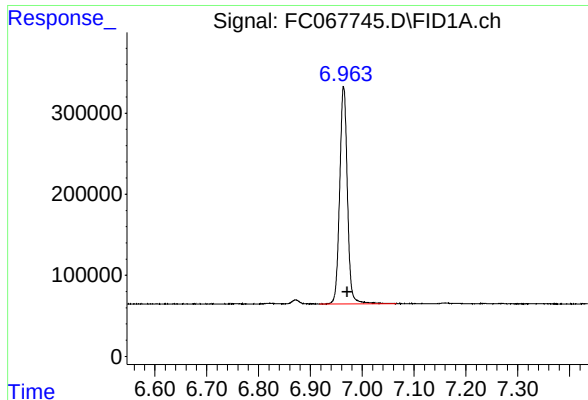
#3 A~Naphthalene (C11.7)

R.T.: 5.910 min
Delta R.T.: -0.007 min
Response: 2905205
Conc: 19.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.348 min
Delta R.T.: -0.006 min
Response: 2652038
Conc: 19.58 ug/ml



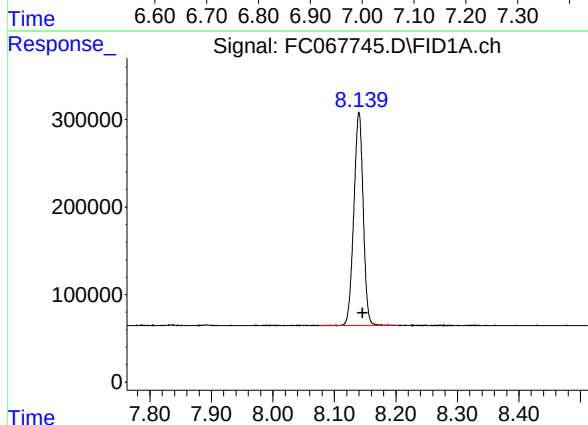
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.964 min
Delta R.T.: -0.007 min
Response: 2765109
Conc: 19.58 ug/ml

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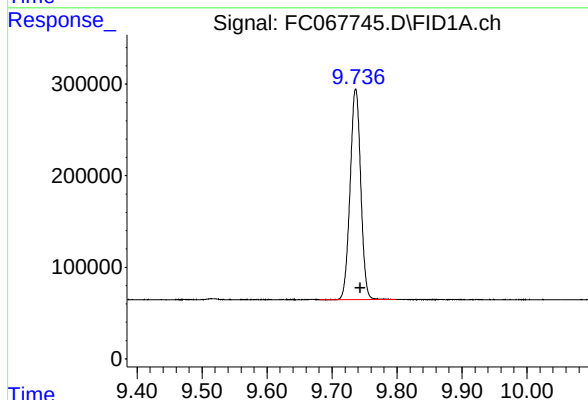
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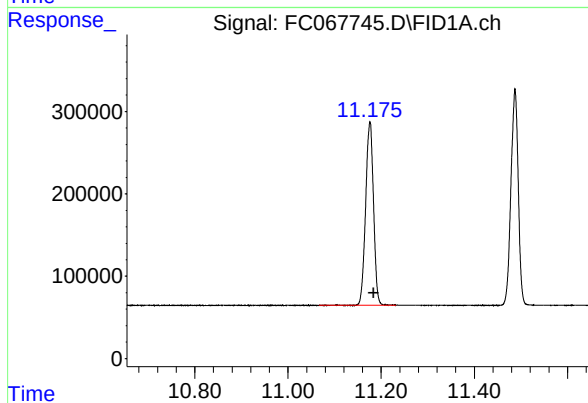
#6 n-Tetradecane (C14)

R.T.: 8.140 min
Delta R.T.: -0.006 min
Response: 2575153
Conc: 19.62 ug/ml



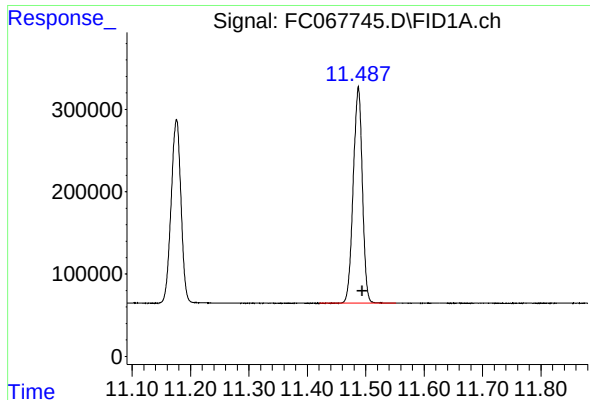
#7 n-Hexadecane (C16)

R.T.: 9.736 min
Delta R.T.: -0.007 min
Response: 2608133
Conc: 19.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.176 min
Delta R.T.: -0.008 min
Response: 2609712
Conc: 19.75 ug/ml



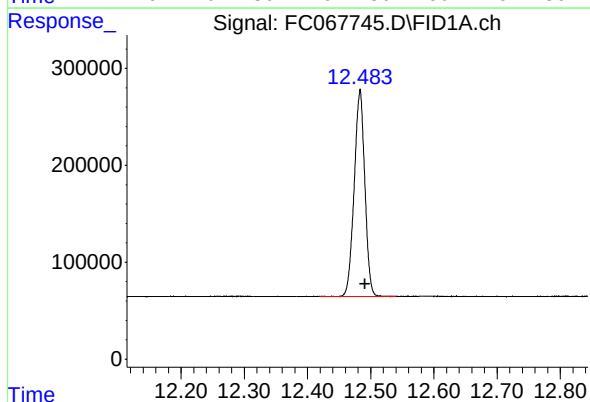
#9 ortho-Terphenyl (SURR)

R.T.: 11.487 min
Delta R.T.: -0.007 min
Response: 2853277
Conc: 19.45 ug/ml

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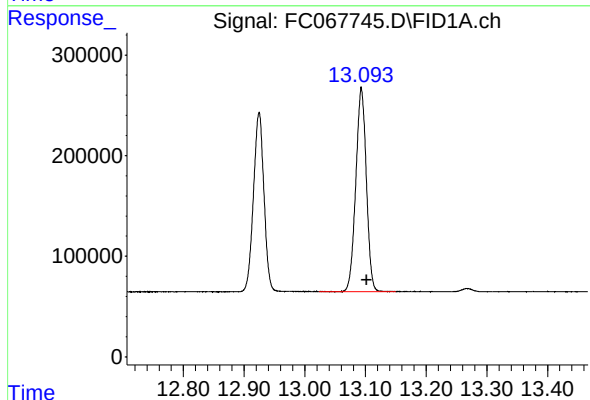
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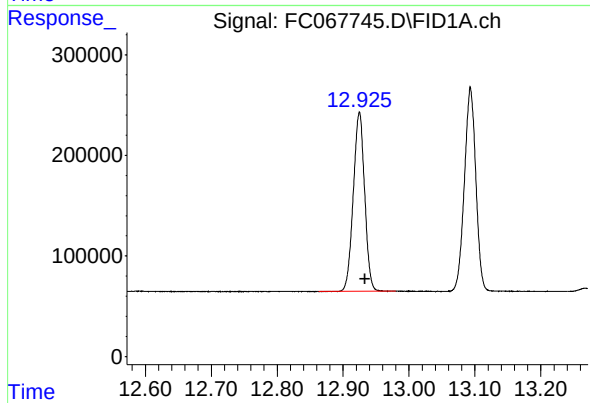
#10 n-Eicosane (C20)

R.T.: 12.483 min
Delta R.T.: -0.008 min
Response: 2487790
Conc: 19.72 ug/ml



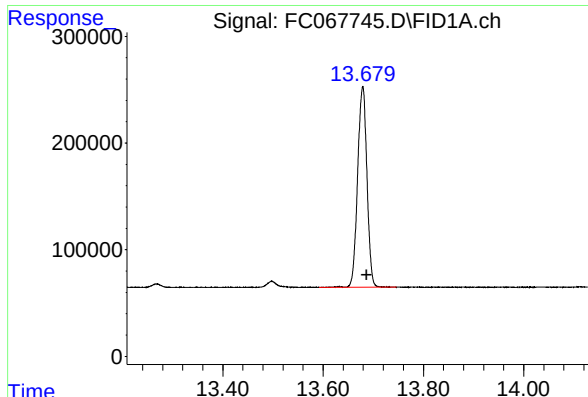
#11 n-Heneicosane (C21)

R.T.: 13.093 min
Delta R.T.: -0.009 min
Response: 2438614
Conc: 19.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.925 min
Delta R.T.: -0.008 min
Response: 2131382
Conc: 19.74 ug/ml



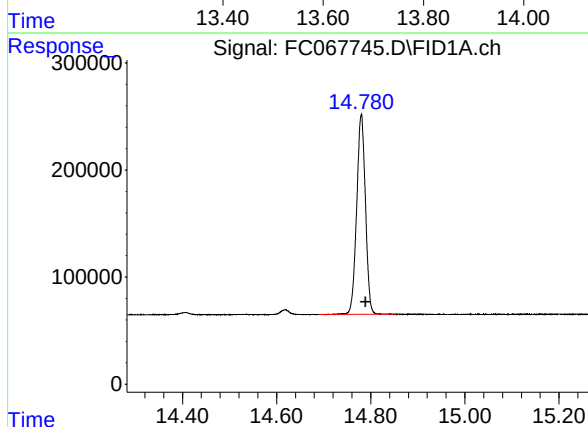
#13 n-Docosane (C22)

R.T.: 13.679 min
Delta R.T.: -0.009 min
Response: 2432659
Conc: 19.87 ug/ml

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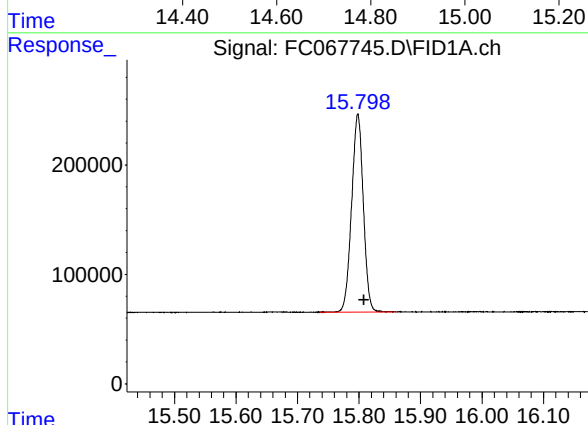
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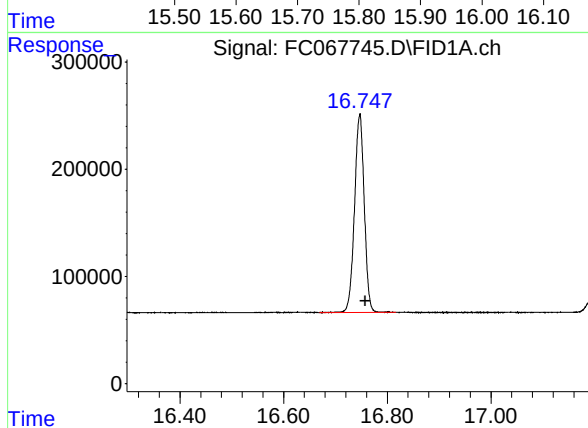
#14 n-Tetracosane (C24)

R.T.: 14.780 min
Delta R.T.: -0.009 min
Response: 2428202
Conc: 20.03 ug/ml



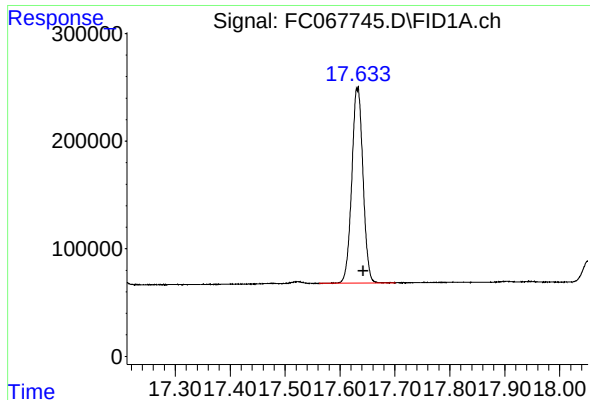
#15 n-Hexacosane (C26)

R.T.: 15.798 min
Delta R.T.: -0.010 min
Response: 2384790
Conc: 20.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.747 min
Delta R.T.: -0.011 min
Response: 2412653
Conc: 20.51 ug/ml



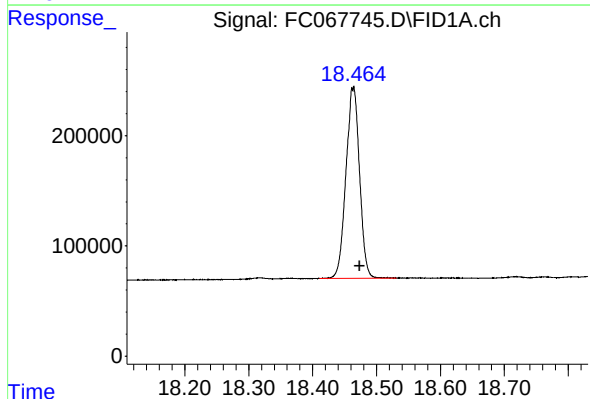
#17 n-Tricontane (C30)

R.T.: 17.632 min
Delta R.T.: -0.011 min
Response: 2570819
Conc: 21.27 ug/ml

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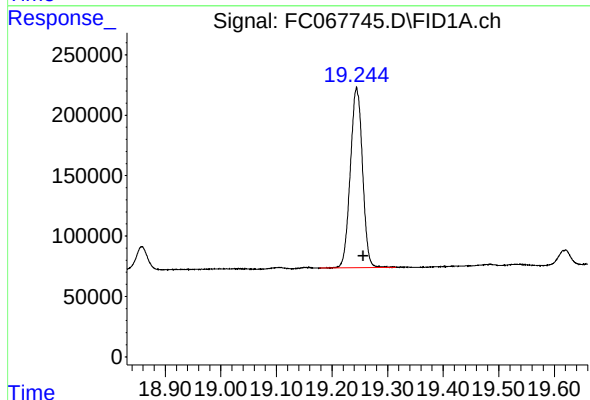
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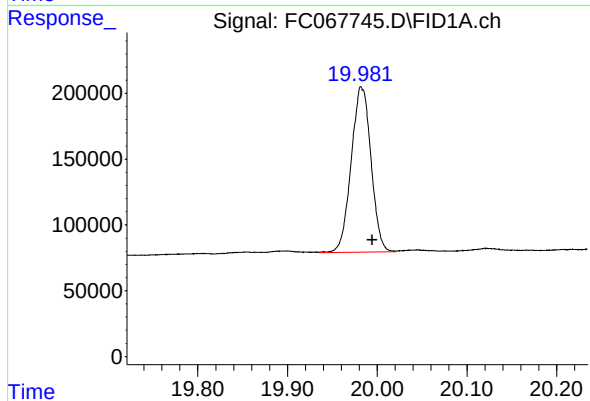
#18 n-Dotriacontane (C32)

R.T.: 18.464 min
Delta R.T.: -0.010 min
Response: 2559373
Conc: 21.63 ug/ml m



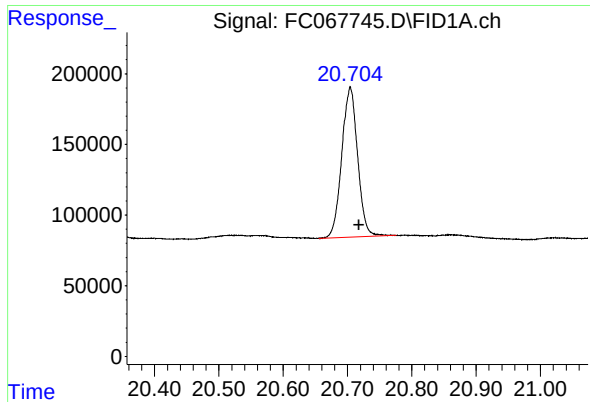
#19 n-Tetratriacontane (C34)

R.T.: 19.244 min
Delta R.T.: -0.012 min
Response: 2264602
Conc: 21.62 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.983 min
Delta R.T.: -0.012 min
Response: 1929624
Conc: 21.20 ug/ml



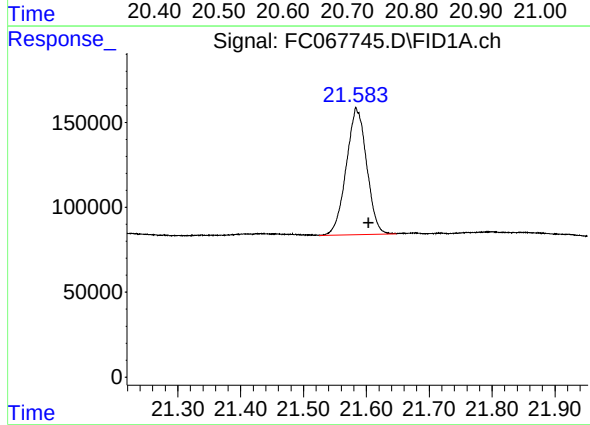
#21 n-Octatriacontane (C38)

R.T.: 20.704 min
Delta R.T.: -0.014 min
Response: 1815629
Conc: 20.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.583 min
Delta R.T.: -0.021 min
Response: 1683528
Conc: 19.80 ug/ml m