

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F100724AL\
 Data File : FC067381.D
 Signal(s) : FID1A.ch
 Acq On : 07 Oct 2024 19:36
 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 10/08/2024
 Supervised By :Ankita Jodhani 10/08/2024

Integration File: autoint1.e
 Quant Time: Oct 08 02:48:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 09:13:32 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)	11.505	2593984	17.047 ug/ml
Spiked Amount 50.000		Recovery =	34.09%
12) S 1-chlorooctadecane (S...	12.943	1958420	17.302 ug/ml
Spiked Amount 50.000		Recovery =	34.60%
Target Compounds			
1) T n-Nonane (C9)	3.278	2334226	18.415 ug/ml
2) T n-Decane (C10)	4.343	2410153	18.750 ug/ml
3) T A~Naphthalene (C11.7)	5.923	2628417	18.529 ug/ml
4) T n-Dodecane (C12)	6.360	2406471	18.545 ug/ml
5) T A~2-methylnaphthalene...	6.979	2514937	18.332 ug/ml
6) T n-Tetradecane (C14)	8.153	2350882	18.253 ug/ml
7) T n-Hexadecane (C16)	9.752	2390470	17.958 ug/ml
8) T n-Octadecane (C18)	11.193	2388192	17.612 ug/ml
10) T n-Eicosane (C20)	12.500	2276494	17.435 ug/ml
11) T n-Heneicosane (C21)	13.111	2225688	17.353 ug/ml
13) T n-Docosane (C22)	13.697	2218022	17.371 ug/ml
14) T n-Tetracosane (C24)	14.799	2220095	17.359 ug/ml
15) T n-Hexacosane (C26)	15.818	2198987	17.440 ug/ml
16) T n-Octacosane (C28)	16.766	2257028	17.966 ug/ml
17) T n-Tricontane (C30)	17.654	2554603	19.830 ug/ml
18) T n-Dotriacontane (C32)	18.486	2722439	21.792 ug/ml
19) T n-Tetratriacontane (C34)	19.268	2401740	21.978 ug/ml
20) T n-Hexatriacontane (C36)	20.009	1932536	20.446 ug/mlm
21) T n-Octatriacontane (C38)	20.728	2078241	23.697 ug/mlm
22) T n-Tetracontane (C40)	21.621	1813867	21.080 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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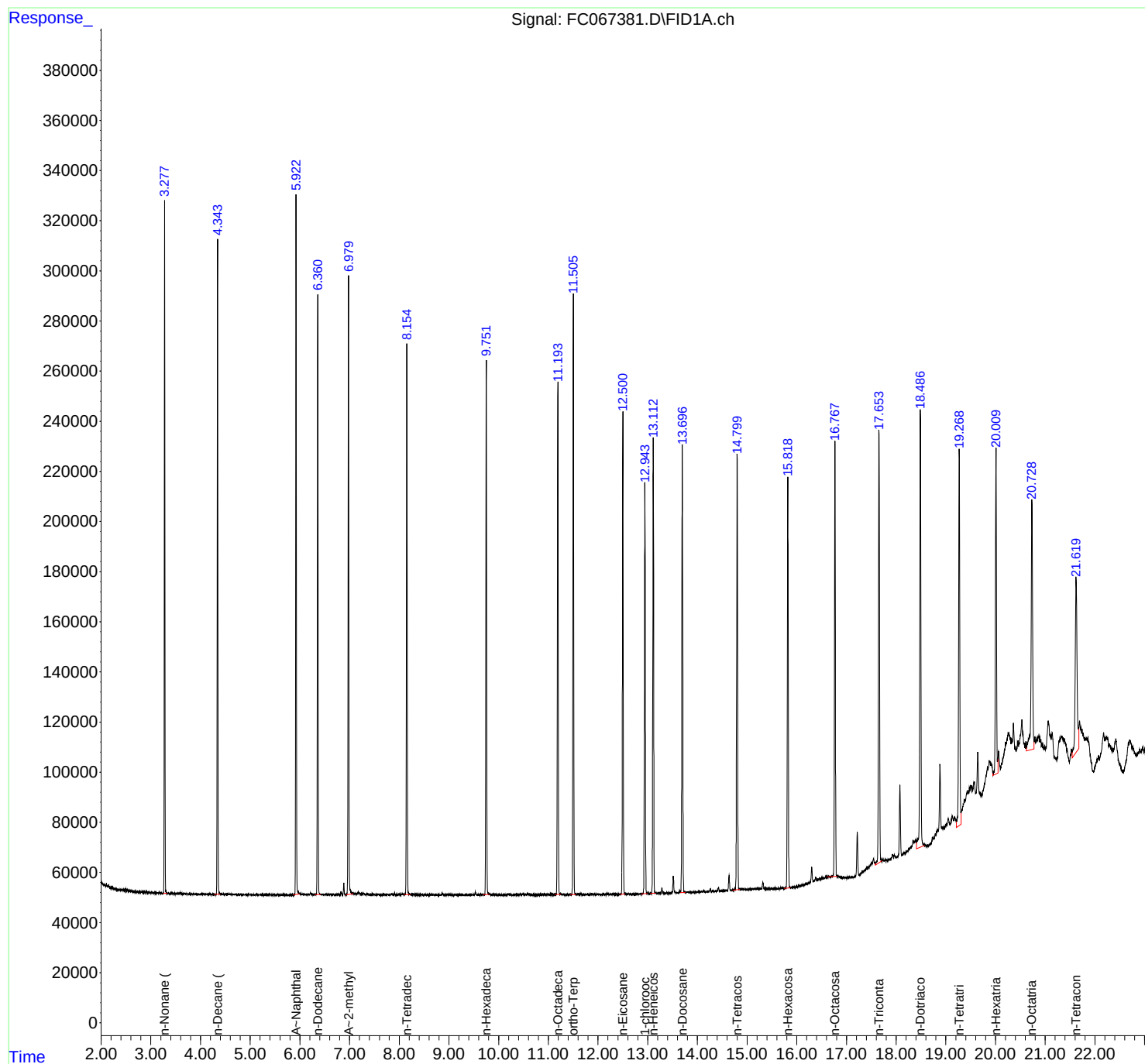
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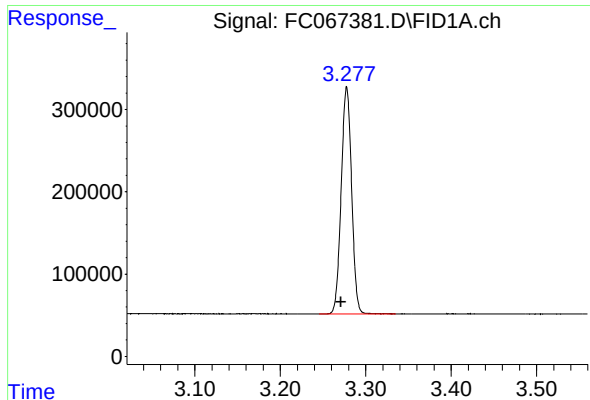
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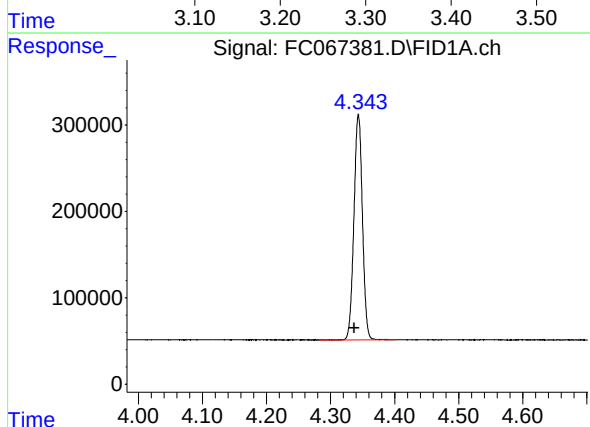
#1 n-Nonane (C9)

R.T.: 3.278 min
Delta R.T.: 0.007 min
Response: 2334226
Conc: 18.41 ug/ml

Instrument : FID_C
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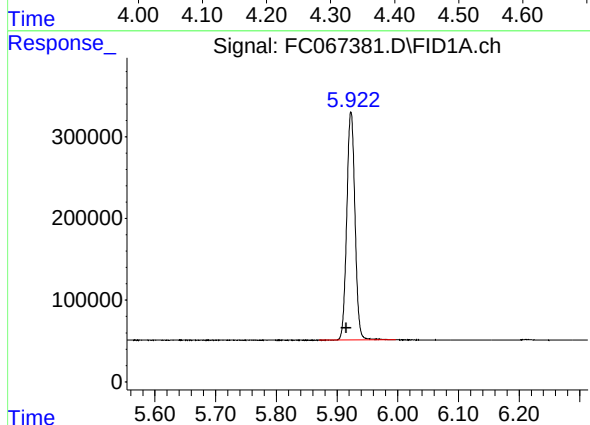
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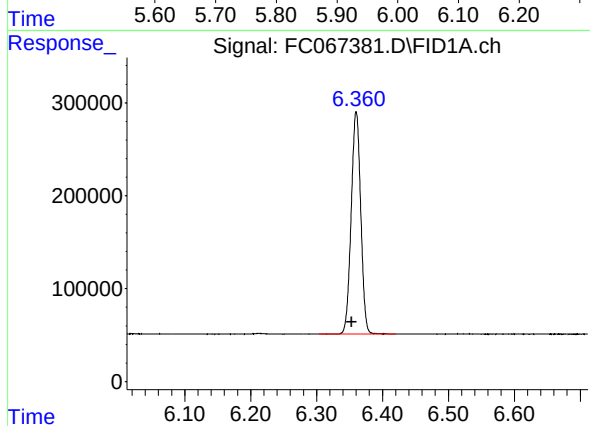
#2 n-Decane (C10)

R.T.: 4.343 min
Delta R.T.: 0.006 min
Response: 2410153
Conc: 18.75 ug/ml



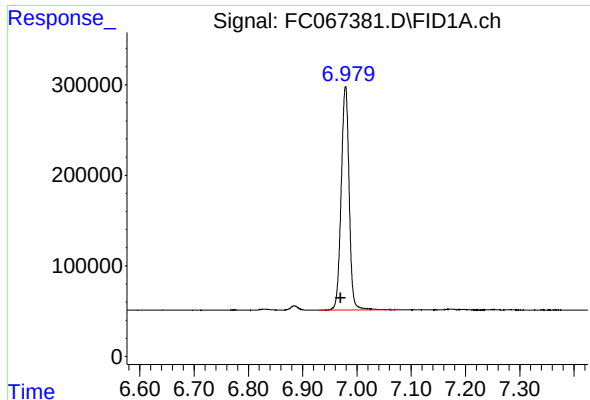
#3 A~Naphthalene (C11.7)

R.T.: 5.923 min
Delta R.T.: 0.008 min
Response: 2628417
Conc: 18.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.360 min
Delta R.T.: 0.007 min
Response: 2406471
Conc: 18.55 ug/ml



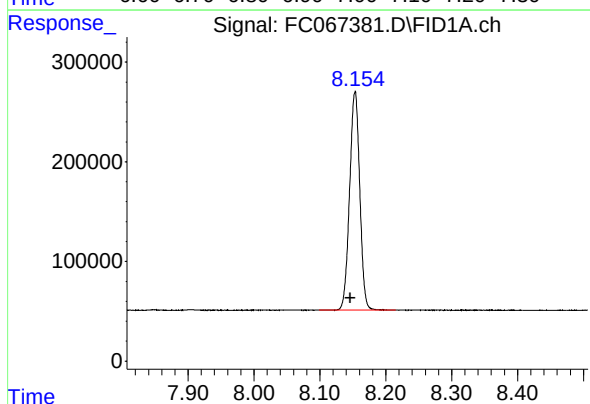
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.979 min
Delta R.T.: 0.009 min
Response: 2514937
Conc: 18.33 ug/ml

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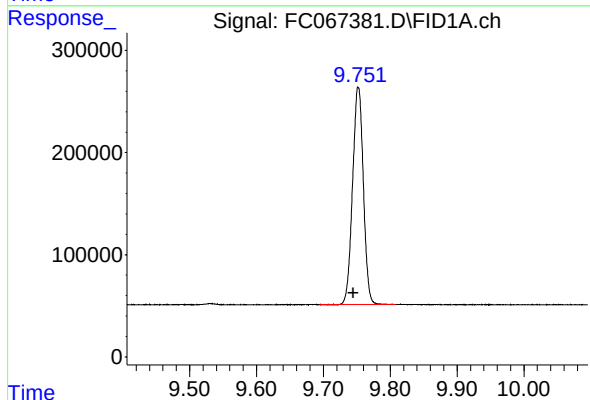
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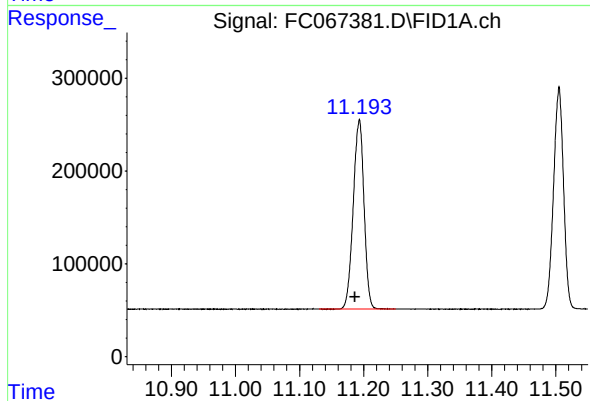
#6 n-Tetradecane (C14)

R.T.: 8.153 min
Delta R.T.: 0.007 min
Response: 2350882
Conc: 18.25 ug/ml



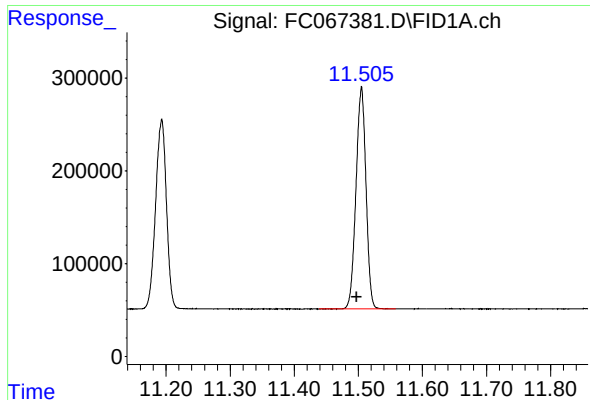
#7 n-Hexadecane (C16)

R.T.: 9.752 min
Delta R.T.: 0.007 min
Response: 2390470
Conc: 17.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.193 min
Delta R.T.: 0.007 min
Response: 2388192
Conc: 17.61 ug/ml



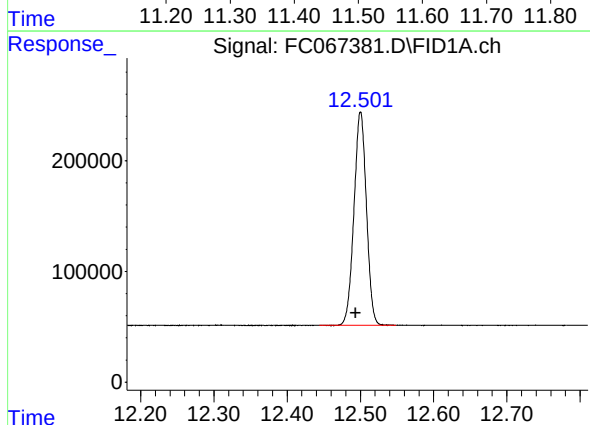
#9 ortho-Terphenyl (SURR)

R.T.: 11.505 min
Delta R.T.: 0.008 min
Response: 2593984
Conc: 17.05 ug/ml

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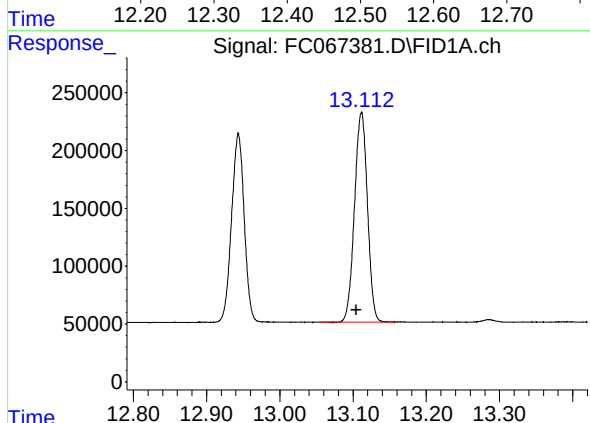
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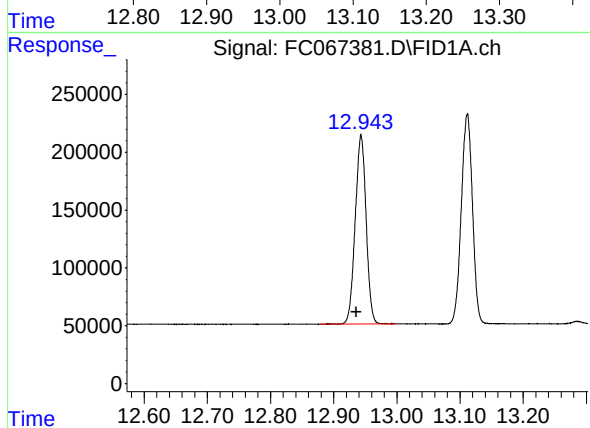
#10 n-Eicosane (C20)

R.T.: 12.500 min
Delta R.T.: 0.007 min
Response: 2276494
Conc: 17.44 ug/ml



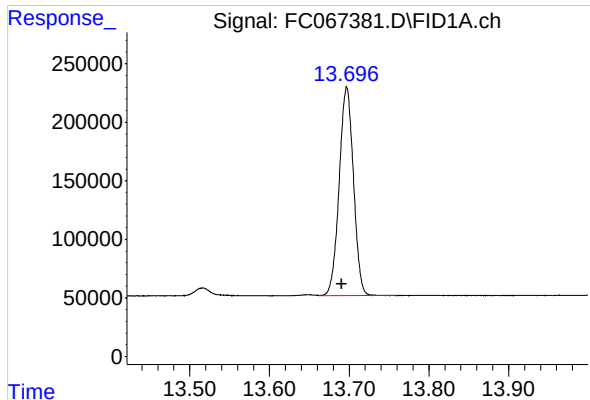
#11 n-Heneicosane (C21)

R.T.: 13.111 min
Delta R.T.: 0.007 min
Response: 2225688
Conc: 17.35 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.943 min
Delta R.T.: 0.008 min
Response: 1958420
Conc: 17.30 ug/ml



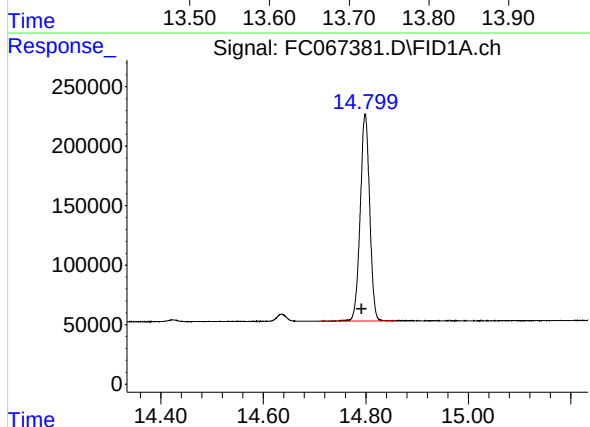
#13 n-Docosane (C22)

R.T.: 13.697 min
Delta R.T.: 0.006 min
Response: 2218022
Conc: 17.37 ug/ml

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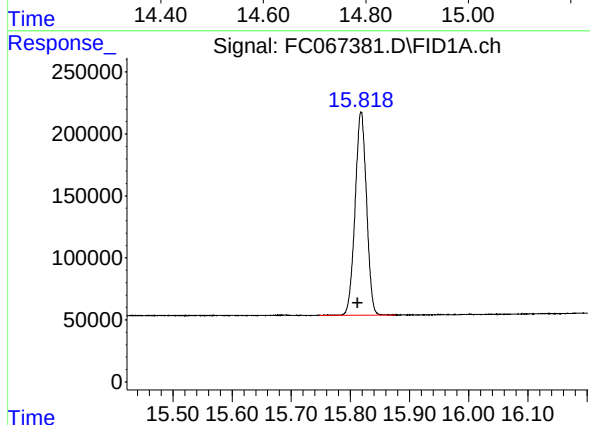
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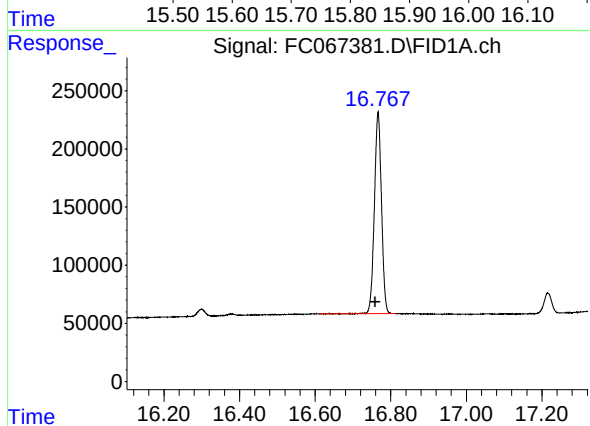
#14 n-Tetracosane (C24)

R.T.: 14.799 min
Delta R.T.: 0.007 min
Response: 2220095
Conc: 17.36 ug/ml



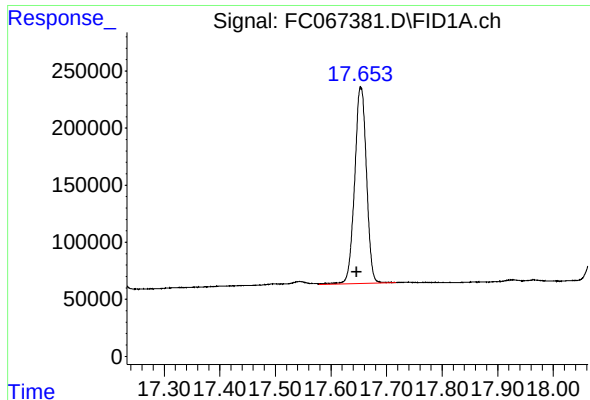
#15 n-Hexacosane (C26)

R.T.: 15.818 min
Delta R.T.: 0.006 min
Response: 2198987
Conc: 17.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.766 min
Delta R.T.: 0.007 min
Response: 2257028
Conc: 17.97 ug/ml



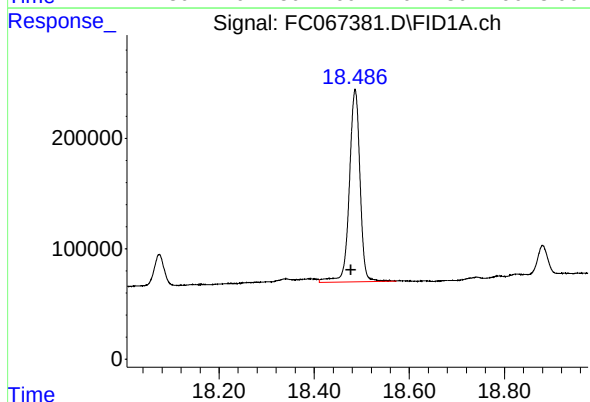
#17 n-Tricontane (C30)

R.T.: 17.654 min
Delta R.T.: 0.008 min
Response: 2554603
Conc: 19.83 ug/ml

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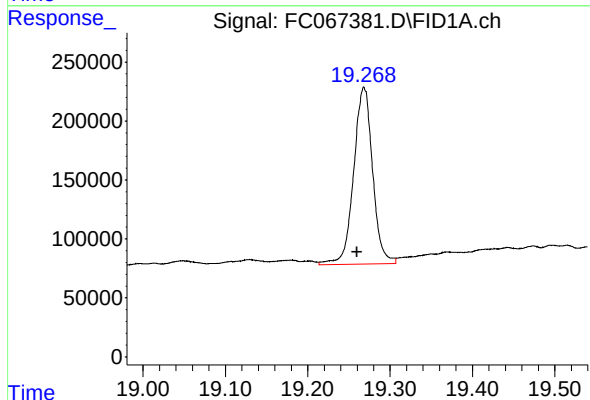
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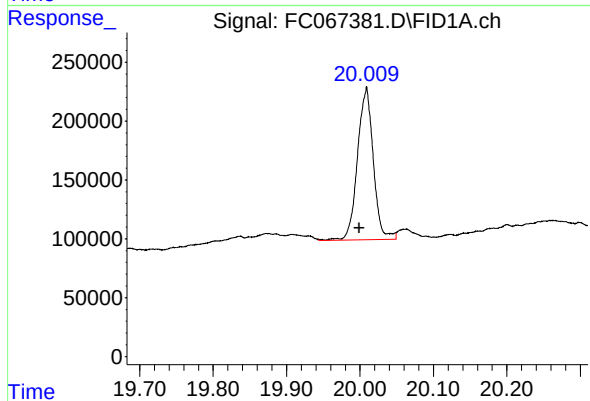
#18 n-Dotriacontane (C32)

R.T.: 18.486 min
Delta R.T.: 0.009 min
Response: 2722439
Conc: 21.79 ug/ml



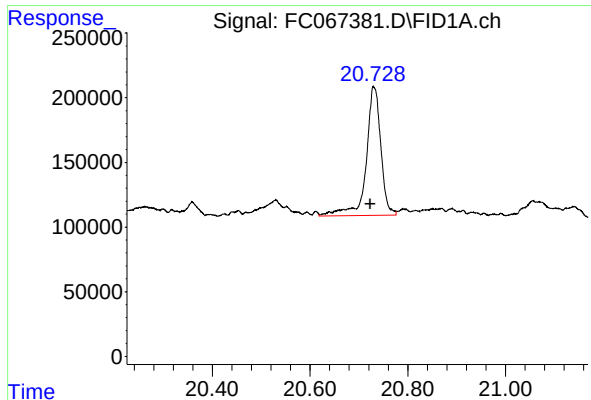
#19 n-Tetratriacontane (C34)

R.T.: 19.268 min
Delta R.T.: 0.008 min
Response: 2401740
Conc: 21.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.009 min
Delta R.T.: 0.010 min
Response: 1932536
Conc: 20.45 ug/ml m



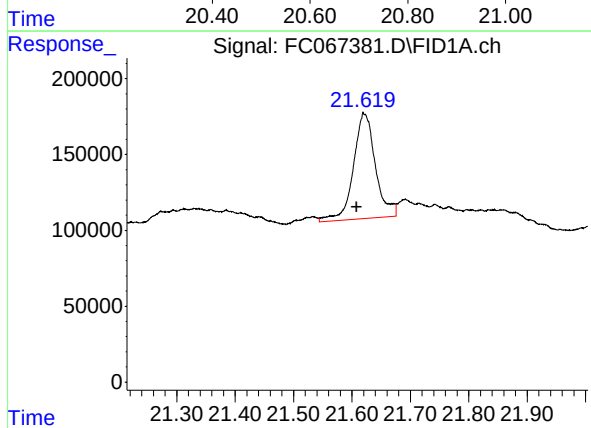
#21 n-Octatriacontane (C38)

R.T.: 20.728 min
Delta R.T.: 0.005 min
Response: 2078241
Conc: 23.70 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.621 min
Delta R.T.: 0.013 min
Response: 1813867
Conc: 21.08 ug/ml