

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
 Data File : FC068071.D
 Signal(s) : FID1A.ch
 Acq On : 20 Dec 2024 18:17
 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 12/23/2024
 Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
 Quant Time: Dec 21 01:54:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:59:10 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)	11.444	2845628	16.457 ug/ml
Spiked Amount 50.000		Recovery =	32.91%
12) S 1-chlorooctadecane (S...	12.883	2119423	16.611 ug/ml
Spiked Amount 50.000		Recovery =	33.22%
Target Compounds			
1) T n-Nonane (C9)	3.242	2537642	16.333 ug/ml
2) T n-Decane (C10)	4.302	2597451	16.385 ug/ml
3) T A~Naphthalene (C11.7)	5.873	2848994	16.319 ug/ml
4) T n-Dodecane (C12)	6.312	2620952	16.278 ug/ml
5) T A~2-methylnaphthalene...	6.926	2753837	16.436 ug/ml
6) T n-Tetradecane (C14)	8.101	2615578	16.450 ug/ml
7) T n-Hexadecane (C16)	9.697	2692373	16.666 ug/ml
8) T n-Octadecane (C18)	11.136	2679241	16.689 ug/ml
10) T n-Eicosane (C20)	12.442	2515136	16.720 ug/ml
11) T n-Heneicosane (C21)	13.052	2442607	16.717 ug/ml
13) T n-Docosane (C22)	13.637	2407368	16.818 ug/ml
14) T n-Tetracosane (C24)	14.738	2365433	17.024 ug/ml
15) T n-Hexacosane (C26)	15.756	2305597	17.241 ug/ml
16) T n-Octacosane (C28)	16.704	2393656	18.454 ug/ml
17) T n-Tricontane (C30)	17.591	2630829	20.309 ug/ml
18) T n-Dotriacontane (C32)	18.422	2651894	21.406 ug/ml
19) T n-Tetratriacontane (C34)	19.202	2289281	20.974 ug/ml
20) T n-Hexatriacontane (C36)	19.942	1892386	20.002 ug/ml
21) T n-Octatriacontane (C38)	20.656	1706534	18.865 ug/ml
22) T n-Tetracontane (C40)	21.524	1614679	18.320 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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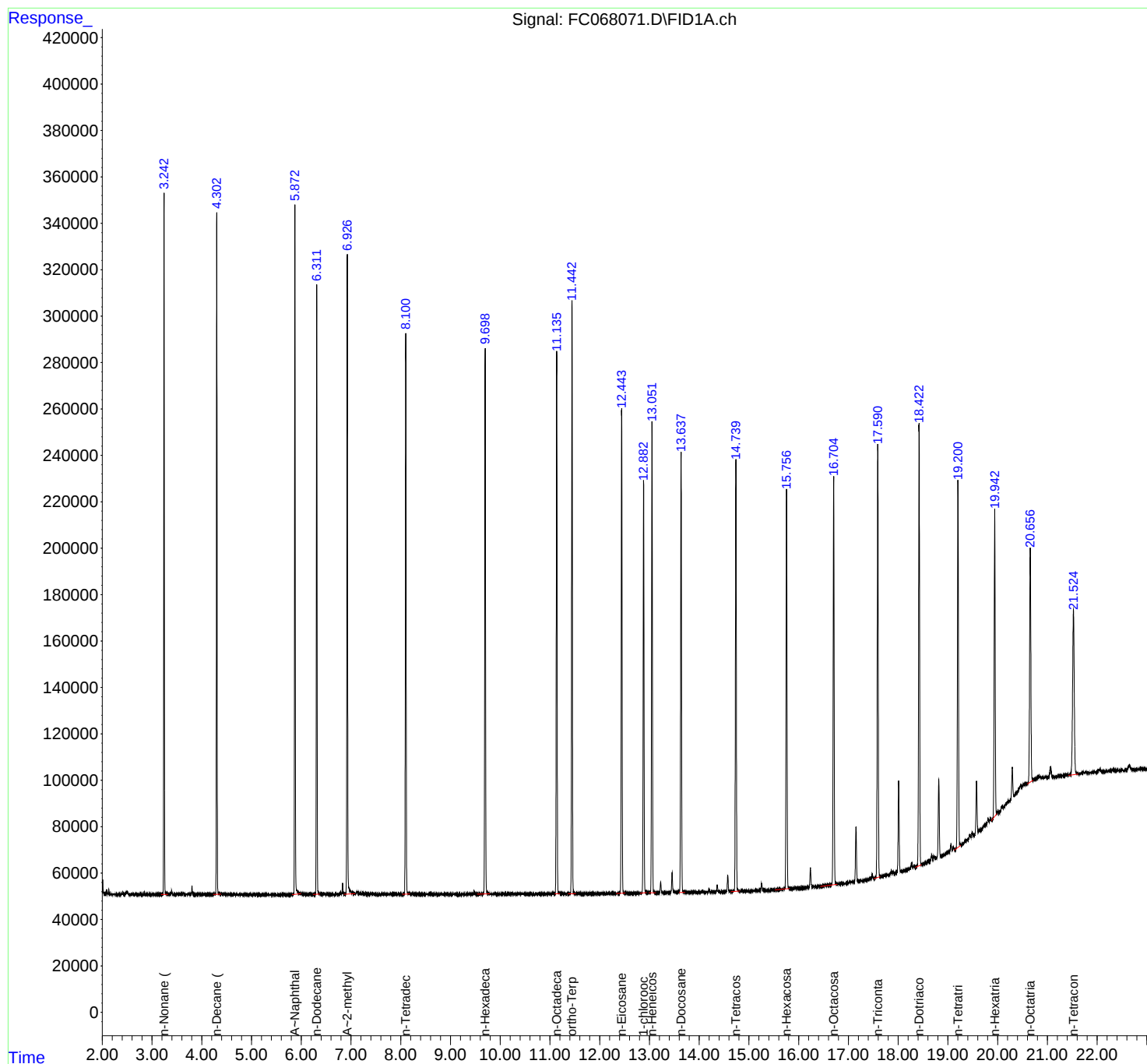
Instrument :
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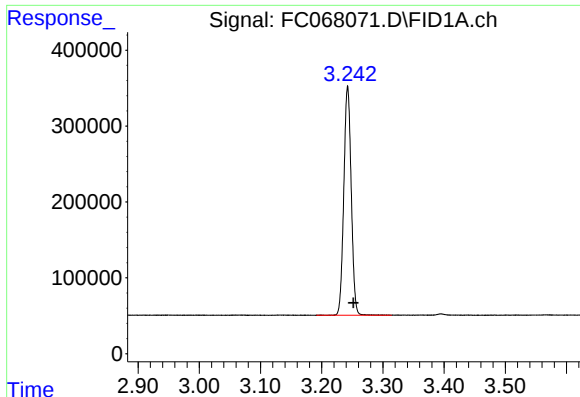
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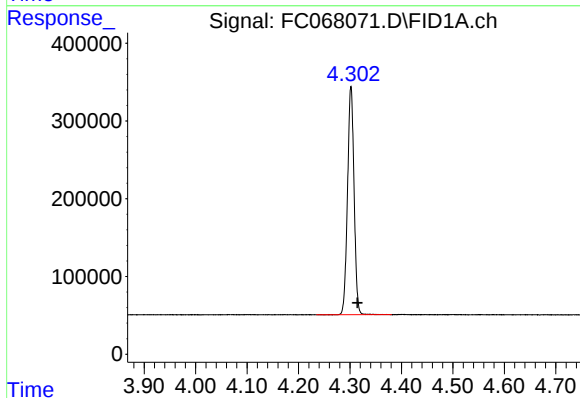
#1 n-Nonane (C9)

R.T.: 3.242 min
Delta R.T.: -0.010 min
Response: 2537642
Conc: 16.33 ug/ml

Instrument :
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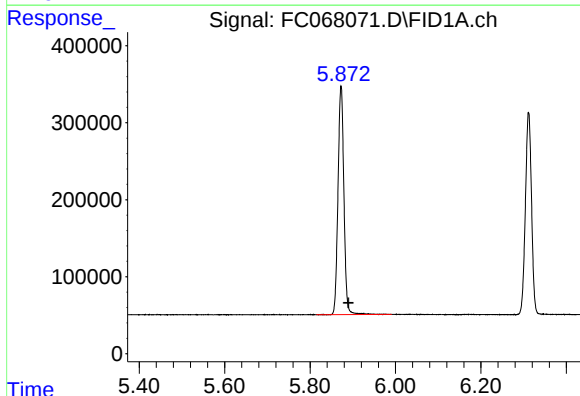
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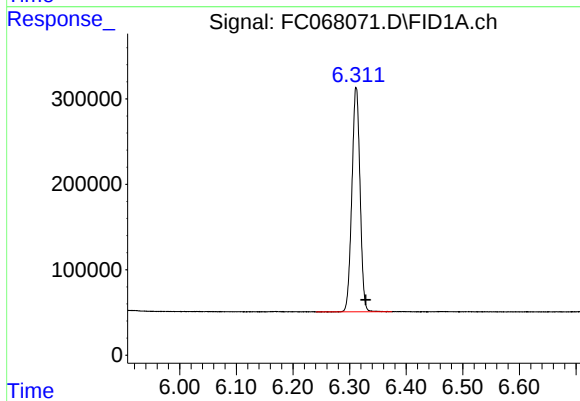
#2 n-Decane (C10)

R.T.: 4.302 min
Delta R.T.: -0.012 min
Response: 2597451
Conc: 16.39 ug/ml



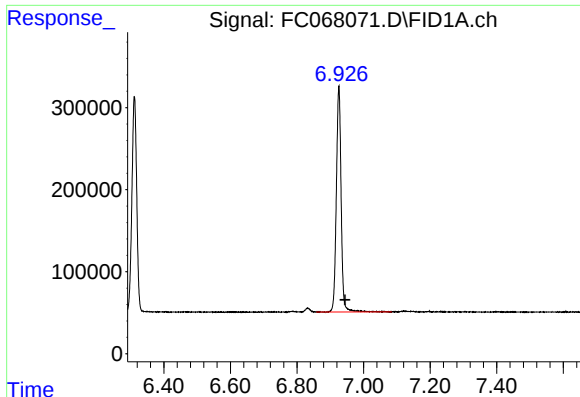
#3 A~Naphthalene (C11.7)

R.T.: 5.873 min
Delta R.T.: -0.017 min
Response: 2848994
Conc: 16.32 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.312 min
Delta R.T.: -0.017 min
Response: 2620952
Conc: 16.28 ug/ml



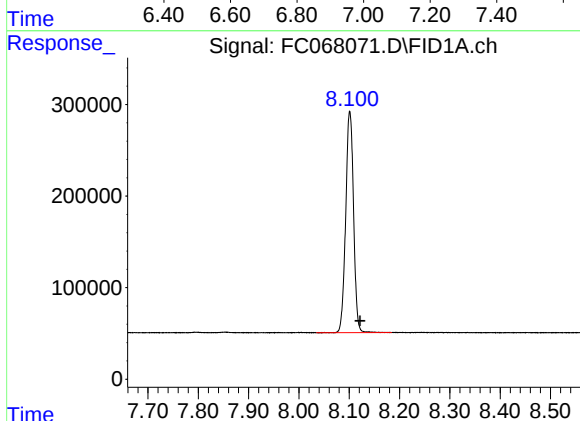
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.926 min
Delta R.T.: -0.019 min
Response: 2753837
Conc: 16.44 ug/ml

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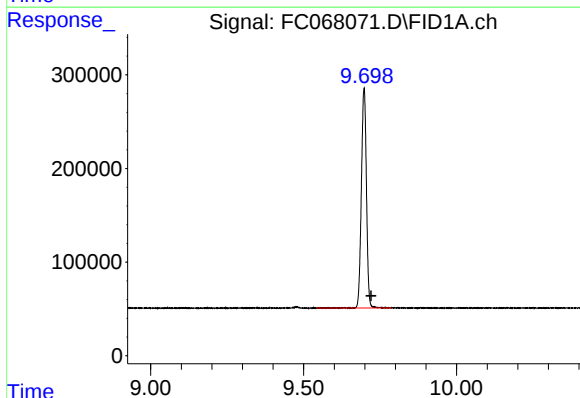
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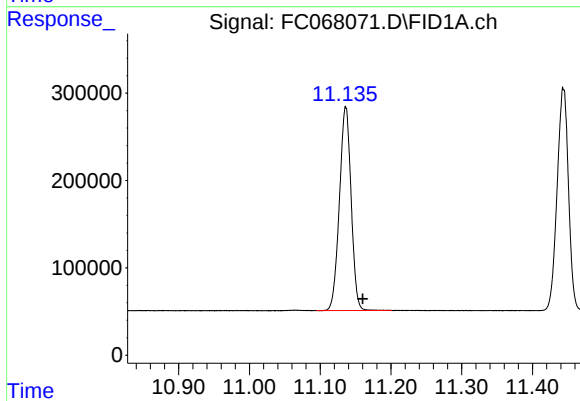
#6 n-Tetradecane (C14)

R.T.: 8.101 min
Delta R.T.: -0.020 min
Response: 2615578
Conc: 16.45 ug/ml



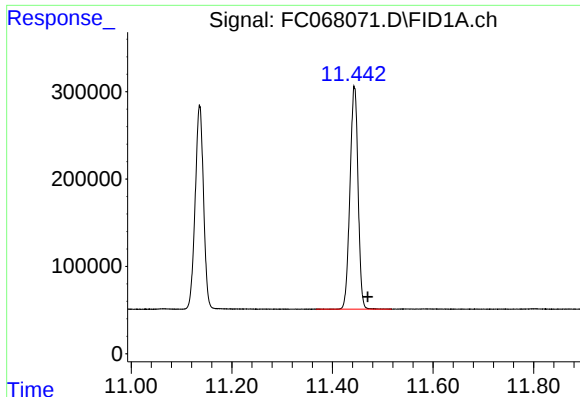
#7 n-Hexadecane (C16)

R.T.: 9.697 min
Delta R.T.: -0.023 min
Response: 2692373
Conc: 16.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.136 min
Delta R.T.: -0.024 min
Response: 2679241
Conc: 16.69 ug/ml



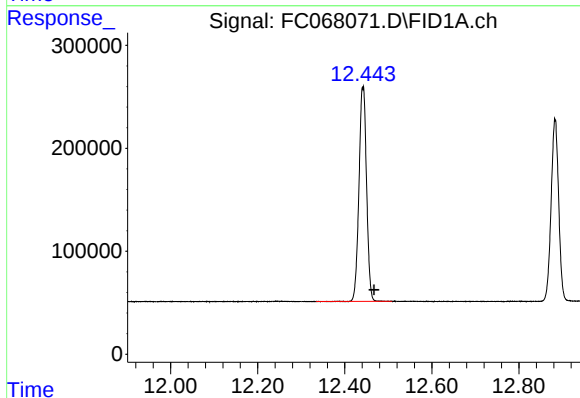
#9 ortho-Terphenyl (SURR)

R.T.: 11.444 min
Delta R.T.: -0.027 min
Response: 2845628
Conc: 16.46 ug/ml

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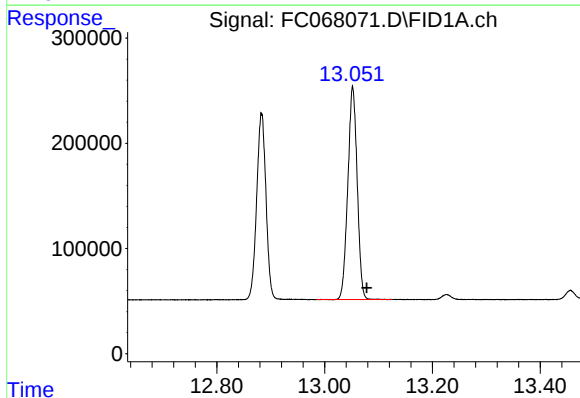
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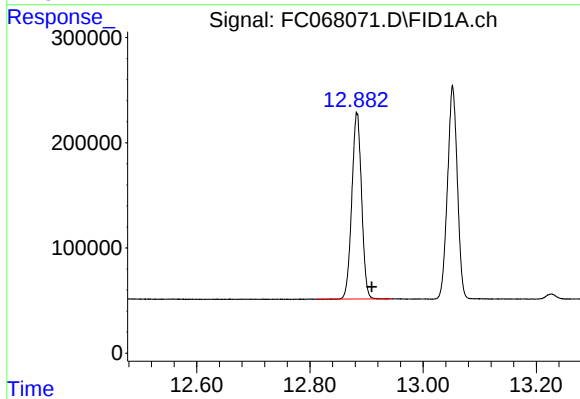
#10 n-Eicosane (C20)

R.T.: 12.442 min
Delta R.T.: -0.026 min
Response: 2515136
Conc: 16.72 ug/ml



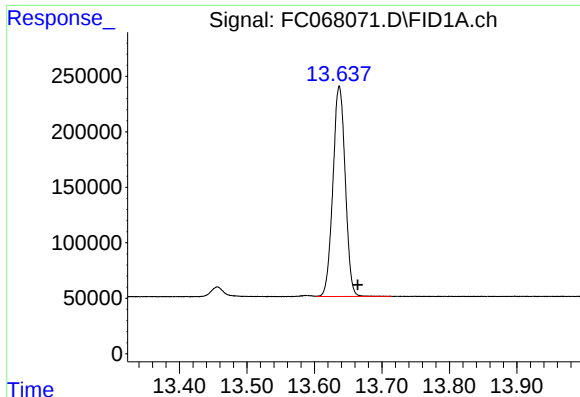
#11 n-Heneicosane (C21)

R.T.: 13.052 min
Delta R.T.: -0.026 min
Response: 2442607
Conc: 16.72 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.883 min
Delta R.T.: -0.026 min
Response: 2119423
Conc: 16.61 ug/ml



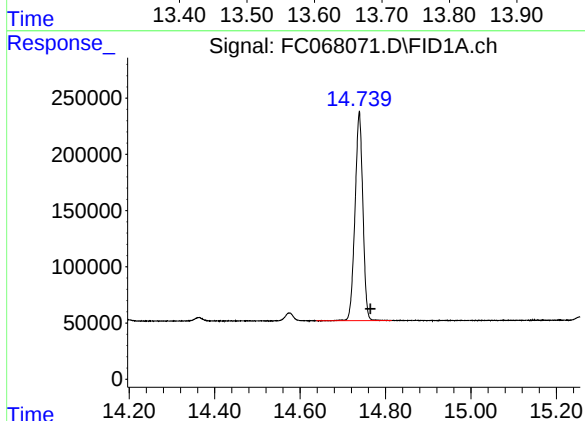
#13 n-Docosane (C22)

R.T.: 13.637 min
Delta R.T.: -0.027 min
Response: 2407368
Conc: 16.82 ug/ml

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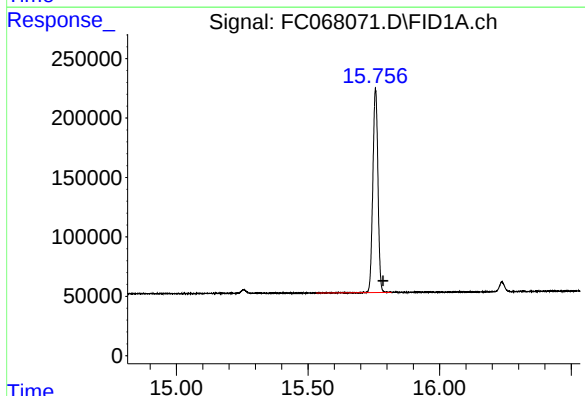
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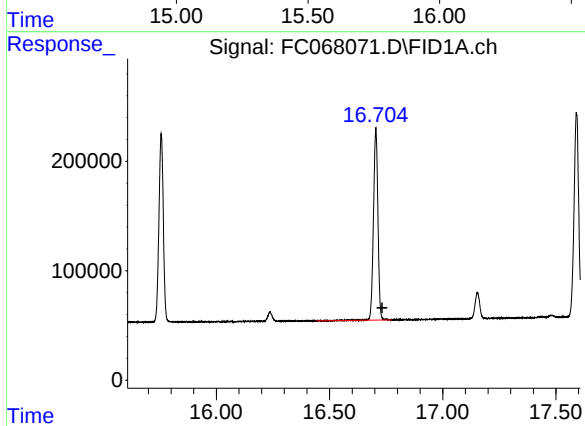
#14 n-Tetracosane (C24)

R.T.: 14.738 min
Delta R.T.: -0.026 min
Response: 2365433
Conc: 17.02 ug/ml



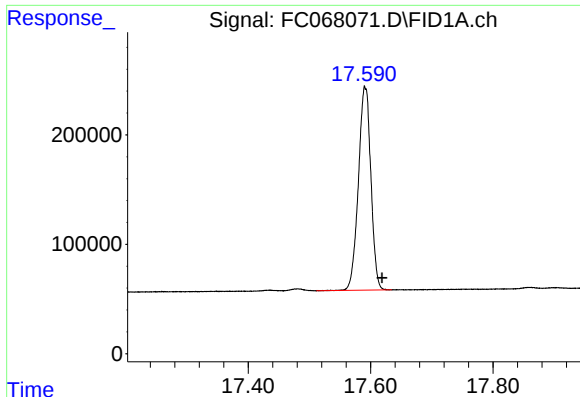
#15 n-Hexacosane (C26)

R.T.: 15.756 min
Delta R.T.: -0.028 min
Response: 2305597
Conc: 17.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.704 min
Delta R.T.: -0.029 min
Response: 2393656
Conc: 18.45 ug/ml



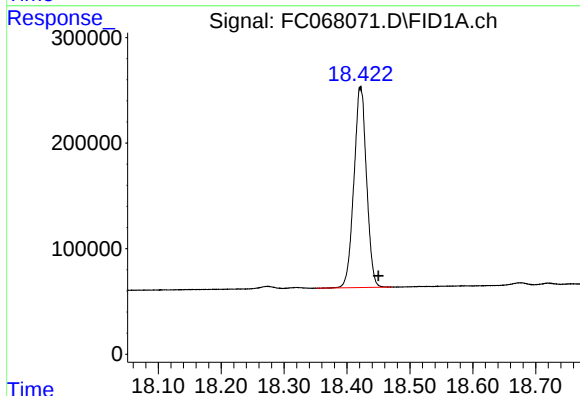
#17 n-Tricontane (C30)

R.T.: 17.591 min
Delta R.T.: -0.028 min
Response: 2630829
Conc: 20.31 ug/ml

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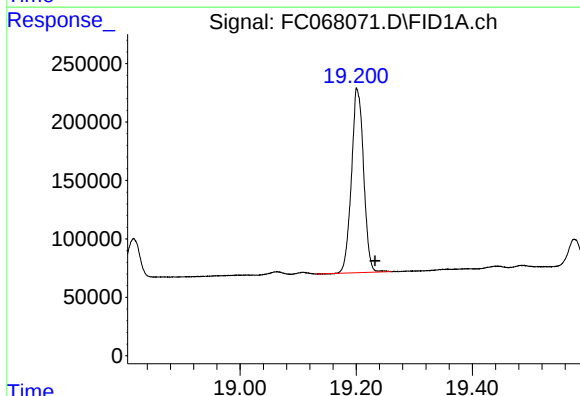
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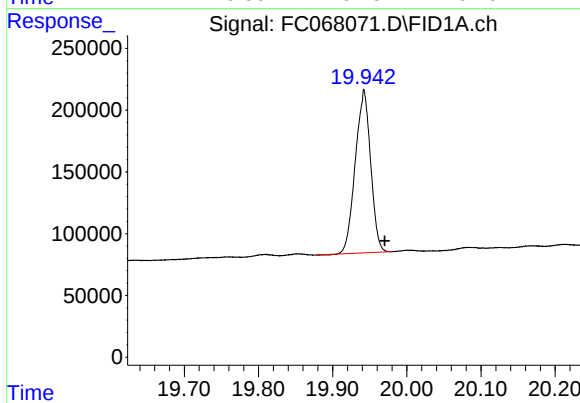
#18 n-Dotriacontane (C32)

R.T.: 18.422 min
Delta R.T.: -0.028 min
Response: 2651894
Conc: 21.41 ug/ml



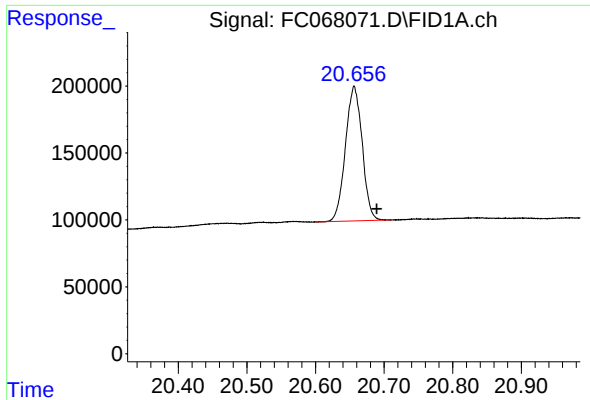
#19 n-Tetratriacontane (C34)

R.T.: 19.202 min
Delta R.T.: -0.030 min
Response: 2289281
Conc: 20.97 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.942 min
Delta R.T.: -0.028 min
Response: 1892386
Conc: 20.00 ug/ml



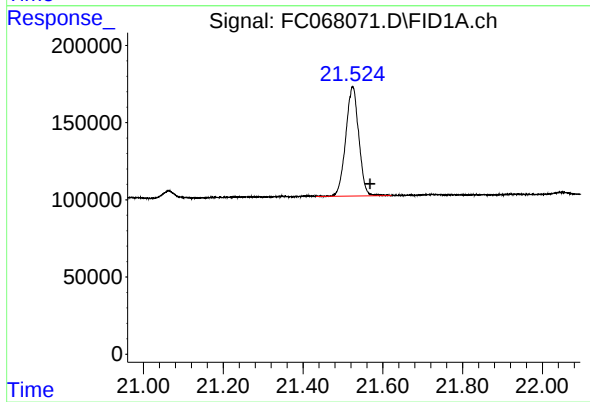
#21 n-Octatriacontane (C38)

R.T.: 20.656 min
Delta R.T.: -0.033 min
Response: 1706534
Conc: 18.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.524 min
Delta R.T.: -0.043 min
Response: 1614679
Conc: 18.32 ug/ml m