

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG072123AL\
 Data File : FG012510.D
 Signal(s) : FID1A.ch
 Acq On : 20 Jul 2023 19:38
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/21/2023
 Supervised By :Ankita Jodhani 07/21/2023

Integration File: autoint1.e
 Quant Time: Jul 21 05:47:18 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 071423.M
 Quant Title : GC Extractables
 QLast Update : Sat Jul 15 01:18:50 2023
 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)	10.889	3175005	20.319 ug/ml
Spiked Amount 50.000		Recovery =	40.64%
12) S 1-chlorooctadecane (S...	12.327	2360541	20.367 ug/ml
Spiked Amount 50.000		Recovery =	40.73%
Target Compounds			
1) T n-Nonane (C9)	2.733	2578074	20.726 ug/ml
2) T n-Decane (C10)	3.741	2628221	20.671 ug/ml
3) T A~Naphthalene (C11.7)	5.310	2829318	20.441 ug/ml
4) T n-Dodecane (C12)	5.731	2645034	20.560 ug/ml
5) T A~2-methylnaphthalene...	6.360	2696459	20.651 ug/ml
6) T n-Tetradecane (C14)	7.525	2631707	20.608 ug/ml
7) T n-Hexadecane (C16)	9.126	2753997	20.655 ug/ml
8) T n-Octadecane (C18)	10.570	2835441	20.418 ug/ml
10) T n-Eicosane (C20)	11.881	2784192	20.594 ug/ml
11) T n-Heneicosane (C21)	12.494	2696280	20.324 ug/ml
13) T n-Docosane (C22)	13.081	2699837	20.479 ug/ml
14) T n-Tetracosane (C24)	14.184	2911309	20.728 ug/ml
15) T n-Hexacosane (C26)	15.208	2706357	21.439 ug/ml
16) T n-Octacosane (C28)	16.158	2679767	21.317 ug/ml
17) T n-Tricontane (C30)	17.048	2802412	21.208 ug/ml
18) T n-Dotriacontane (C32)	17.882	2802037	21.059 ug/ml
19) T n-Tetratriacontane (C34)	18.667	2732782	21.329 ug/ml
20) T n-Hexatriacontane (C36)	19.407	2613630	21.151 ug/ml
21) T n-Octatriacontane (C38)	20.145	2613835	21.884 ug/mlm
22) T n-Tetracontane (C40)	21.052	2430541	20.976 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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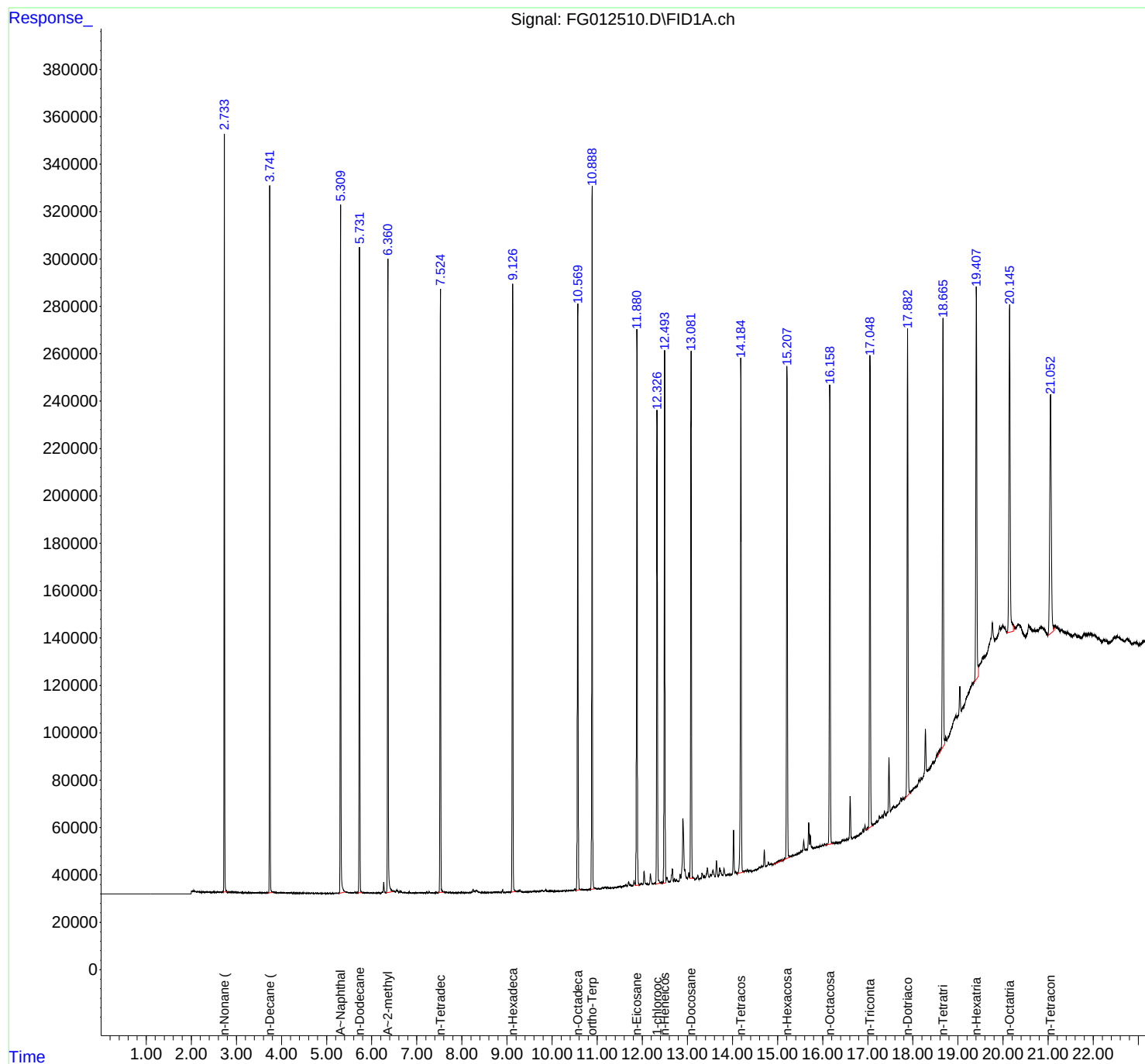
Instrument :
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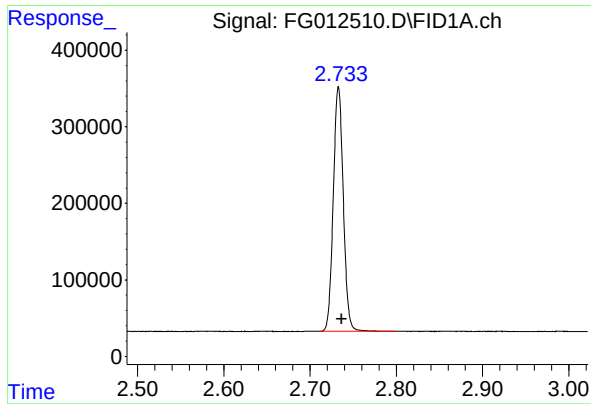
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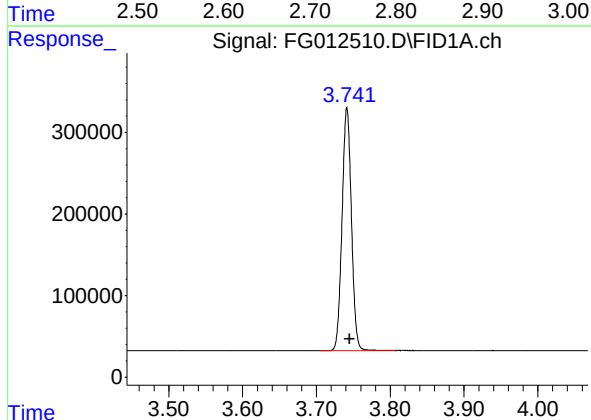
#1 n-Nonane (C9)

R.T.: 2.733 min
Delta R.T.: -0.004 min
Response: 2578074
Conc: 20.73 ug/ml

Instrument :
FID_G
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20 PPM ALIPHATIC HC STD

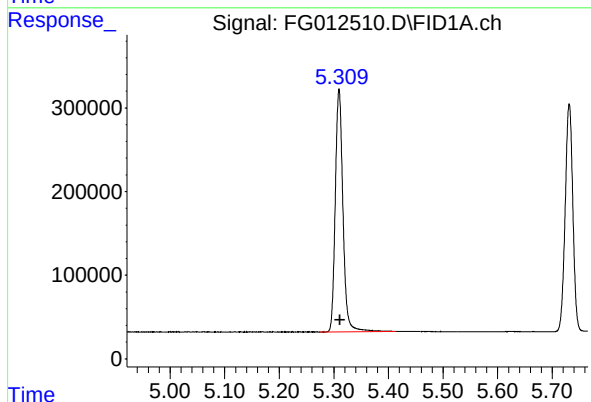
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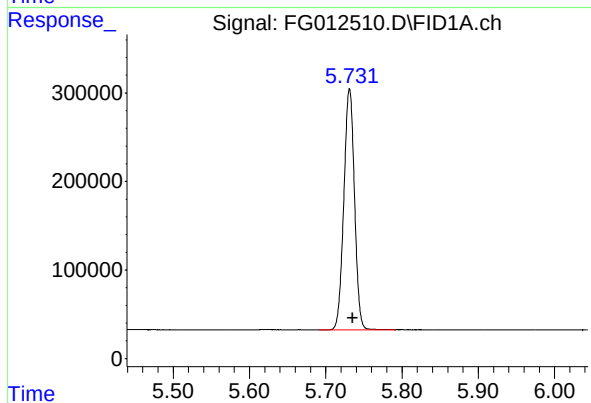
#2 n-Decane (C10)

R.T.: 3.741 min
Delta R.T.: -0.004 min
Response: 2628221
Conc: 20.67 ug/ml



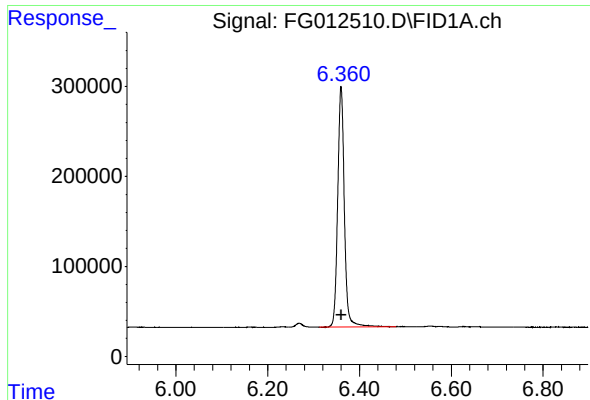
#3 A~Naphthalene (C11.7)

R.T.: 5.310 min
Delta R.T.: -0.001 min
Response: 2829318
Conc: 20.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.731 min
Delta R.T.: -0.004 min
Response: 2645034
Conc: 20.56 ug/ml



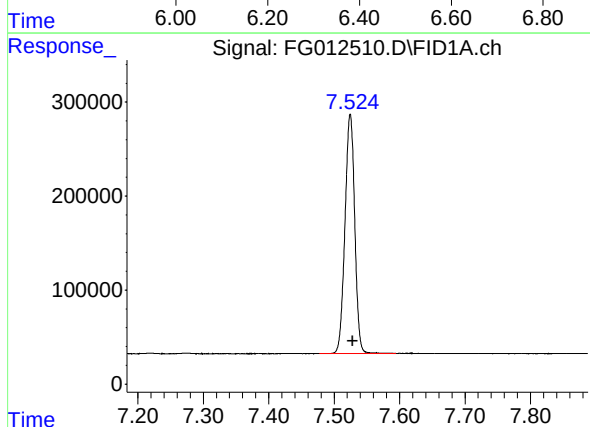
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.360 min
Delta R.T.: 0.000 min
Response: 2696459
Conc: 20.65 ug/ml

Instrument : FID_G
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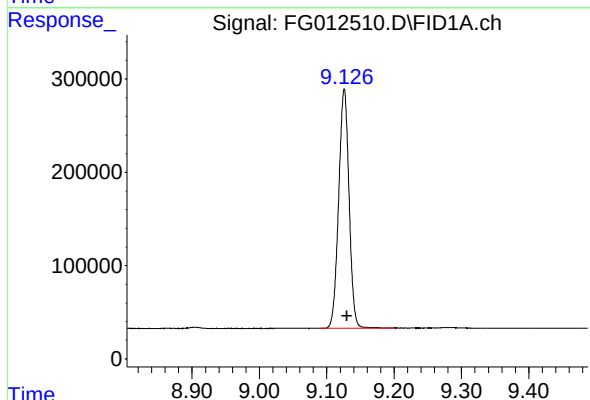
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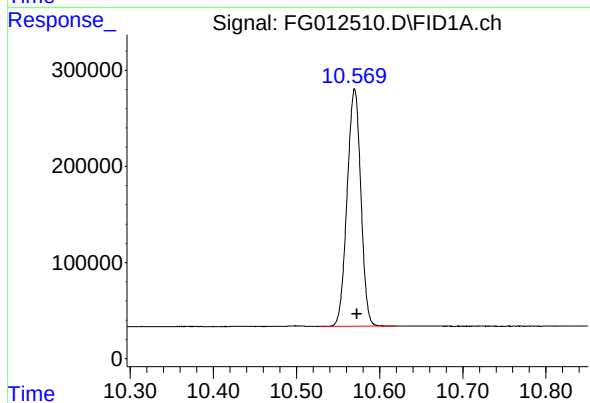
#6 n-Tetradecane (C14)

R.T.: 7.525 min
Delta R.T.: -0.003 min
Response: 2631707
Conc: 20.61 ug/ml



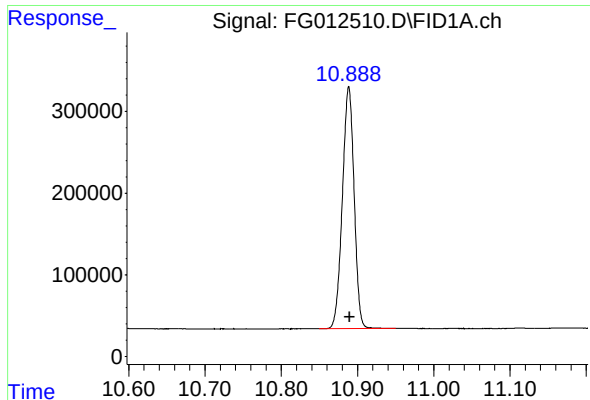
#7 n-Hexadecane (C16)

R.T.: 9.126 min
Delta R.T.: -0.004 min
Response: 2753997
Conc: 20.66 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.570 min
Delta R.T.: -0.003 min
Response: 2835441
Conc: 20.42 ug/ml



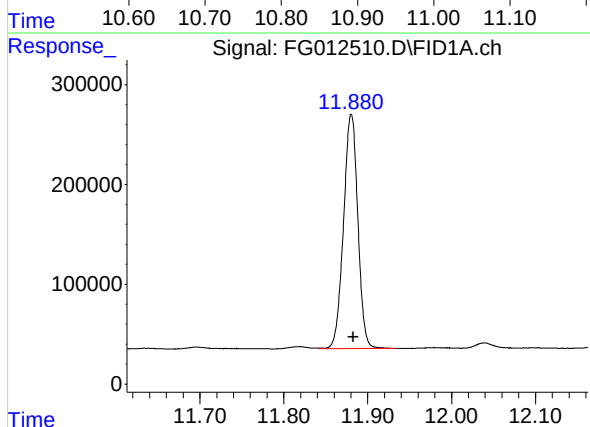
#9 ortho-Terphenyl (SURR)

R.T.: 10.889 min
Delta R.T.: -0.001 min
Response: 3175005
Conc: 20.32 ug/ml

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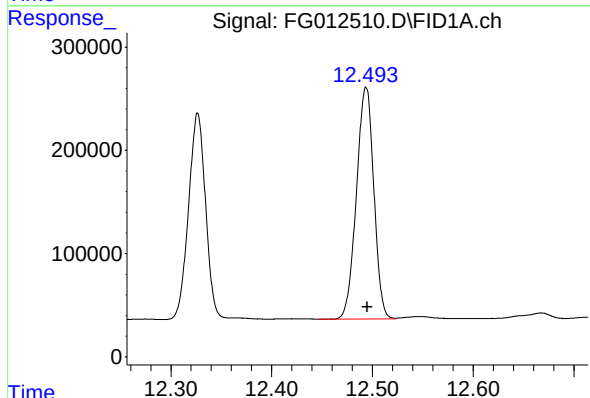
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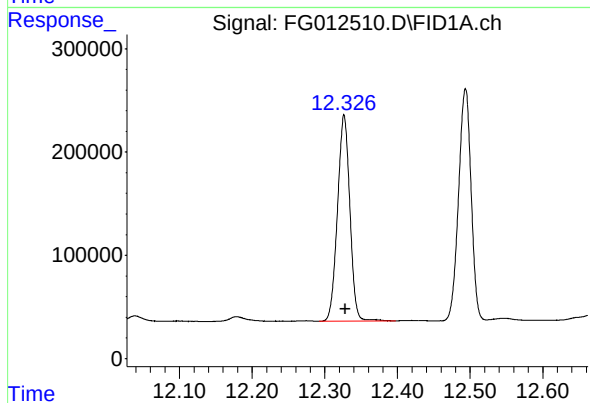
#10 n-Eicosane (C20)

R.T.: 11.881 min
Delta R.T.: -0.002 min
Response: 2784192
Conc: 20.59 ug/ml



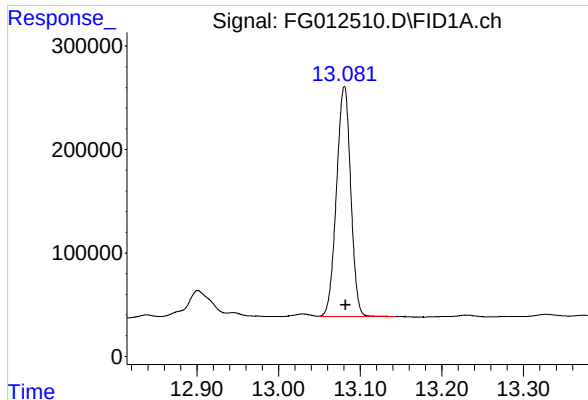
#11 n-Heneicosane (C21)

R.T.: 12.494 min
Delta R.T.: -0.001 min
Response: 2696280
Conc: 20.32 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.327 min
Delta R.T.: -0.002 min
Response: 2360541
Conc: 20.37 ug/ml



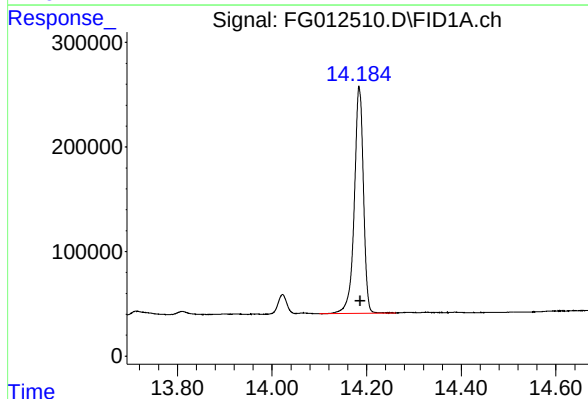
#13 n-Docosane (C22)

R.T.: 13.081 min
Delta R.T.: -0.001 min
Response: 2699837
Conc: 20.48 ug/ml

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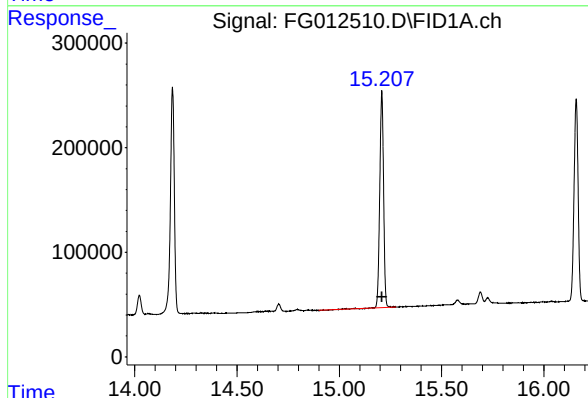
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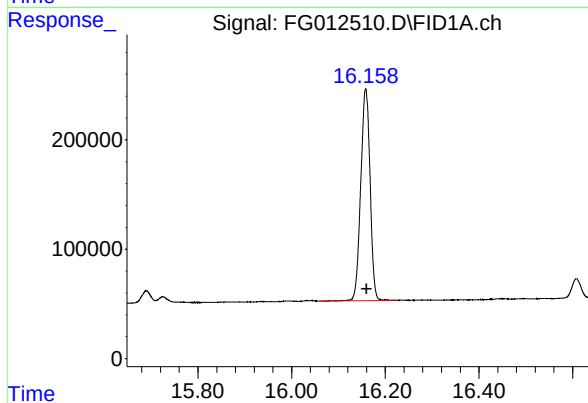
#14 n-Tetracosane (C24)

R.T.: 14.184 min
Delta R.T.: -0.003 min
Response: 2911309
Conc: 20.73 ug/ml



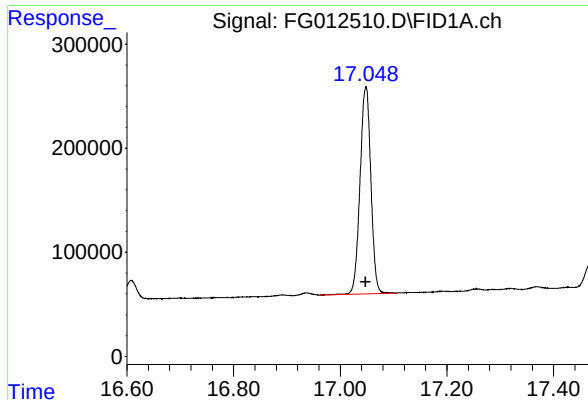
#15 n-Hexacosane (C26)

R.T.: 15.208 min
Delta R.T.: -0.002 min
Response: 2706357
Conc: 21.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.158 min
Delta R.T.: -0.002 min
Response: 2679767
Conc: 21.32 ug/ml



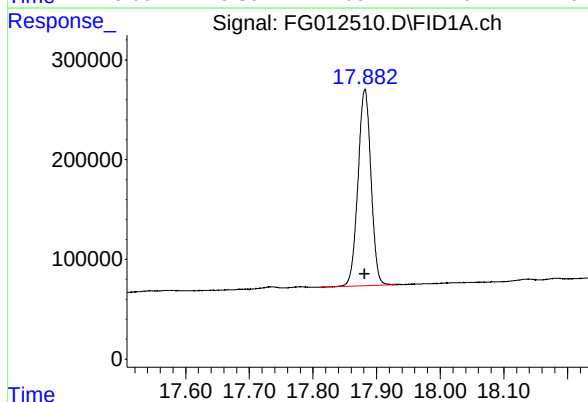
#17 n-Tricontane (C30)

R.T.: 17.048 min
Delta R.T.: 0.000 min
Response: 2802412
Conc: 21.21 ug/ml

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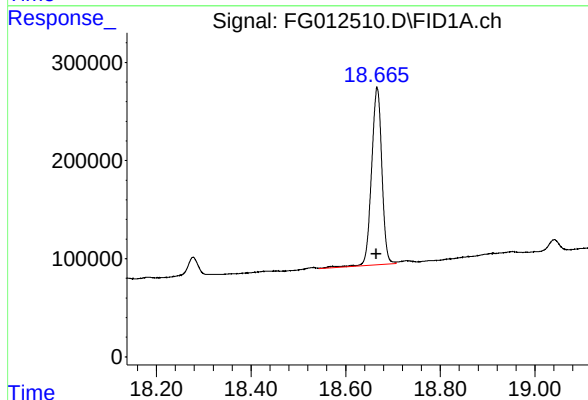
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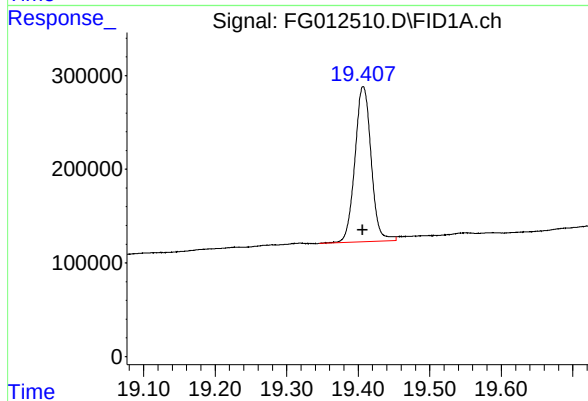
#18 n-Dotriacontane (C32)

R.T.: 17.882 min
Delta R.T.: 0.000 min
Response: 2802037
Conc: 21.06 ug/ml



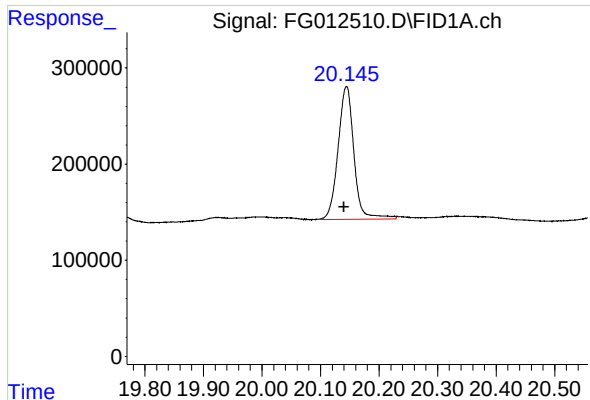
#19 n-Tetratriacontane (C34)

R.T.: 18.667 min
Delta R.T.: 0.001 min
Response: 2732782
Conc: 21.33 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.407 min
Delta R.T.: 0.001 min
Response: 2613630
Conc: 21.15 ug/ml



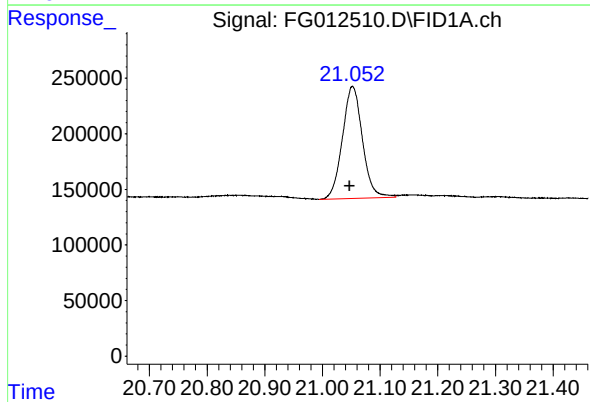
#21 n-Octatriacontane (C38)

R.T.: 20.145 min
Delta R.T.: 0.005 min
Response: 2613835
Conc: 21.88 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.052 min
Delta R.T.: 0.004 min
Response: 2430541
Conc: 20.98 ug/ml