

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG050422AL\
 Data File : FG009761.D
 Signal(s) : FID1A.ch
 Acq On : 05 May 2022 01:55
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/05/2022
 Supervised By :mohammad ahmed 05/06/2022

Integration File: sample.E
 Quant Time: May 05 03:14:21 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH FG050322.M
 Quant Title : GC Extractables
 QLast Update : Tue May 03 14:00:27 2022
 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)	10.837	2665635	17.391 ug/ml
Spiked Amount 50.000		Recovery =	34.78%
12) S 1-chlorooctadecane (S...	12.289	2069460	17.006 ug/ml
Spiked Amount 50.000		Recovery =	34.01%
Target Compounds			
1) T n-Nonane (C9)	2.667	2362761	18.616 ug/ml
2) T n-Decane (C10)	3.678	2333637	18.887 ug/ml
3) T A~Naphthalene (C11.7)	5.240	2614116	18.766 ug/ml
4) T n-Dodecane (C12)	5.677	2402683	18.813 ug/ml
5) T A~2-methylnaphthalene...	6.293	2589660	18.818 ug/ml
6) T n-Tetradecane (C14)	7.475	2391433	18.702 ug/ml
7) T n-Hexadecane (C16)	9.082	2370694	17.816 ug/ml
8) T n-Octadecane (C18)	10.529	2439014	17.635 ug/ml
10) T n-Eicosane (C20)	11.844	2409756	17.306 ug/ml
11) T n-Heneicosane (C21)	12.459	2390886	16.961 ug/ml
13) T n-Docosane (C22)	13.047	2372308	16.779 ug/ml
14) T n-Tetracosane (C24)	14.155	2328954	16.342 ug/ml
15) T n-Hexacosane (C26)	15.182	2259640	15.856 ug/ml
16) T n-Octacosane (C28)	16.135	2215563	15.586 ug/ml
17) T n-Tricontane (C30)	17.027	2180193	15.582 ug/ml
18) T n-Dotriacontane (C32)	17.861	2065641	15.682 ug/ml
19) T n-Tetratriacontane (C34)	18.648	1916583	16.336 ug/ml
20) T n-Hexatriacontane (C36)	19.392	1751419	17.511 ug/mlm
21) T n-Octatriacontane (C38)	20.130	1595618	18.402 ug/mlm
22) T n-Tetracontane (C40)	21.038	1533584	19.225 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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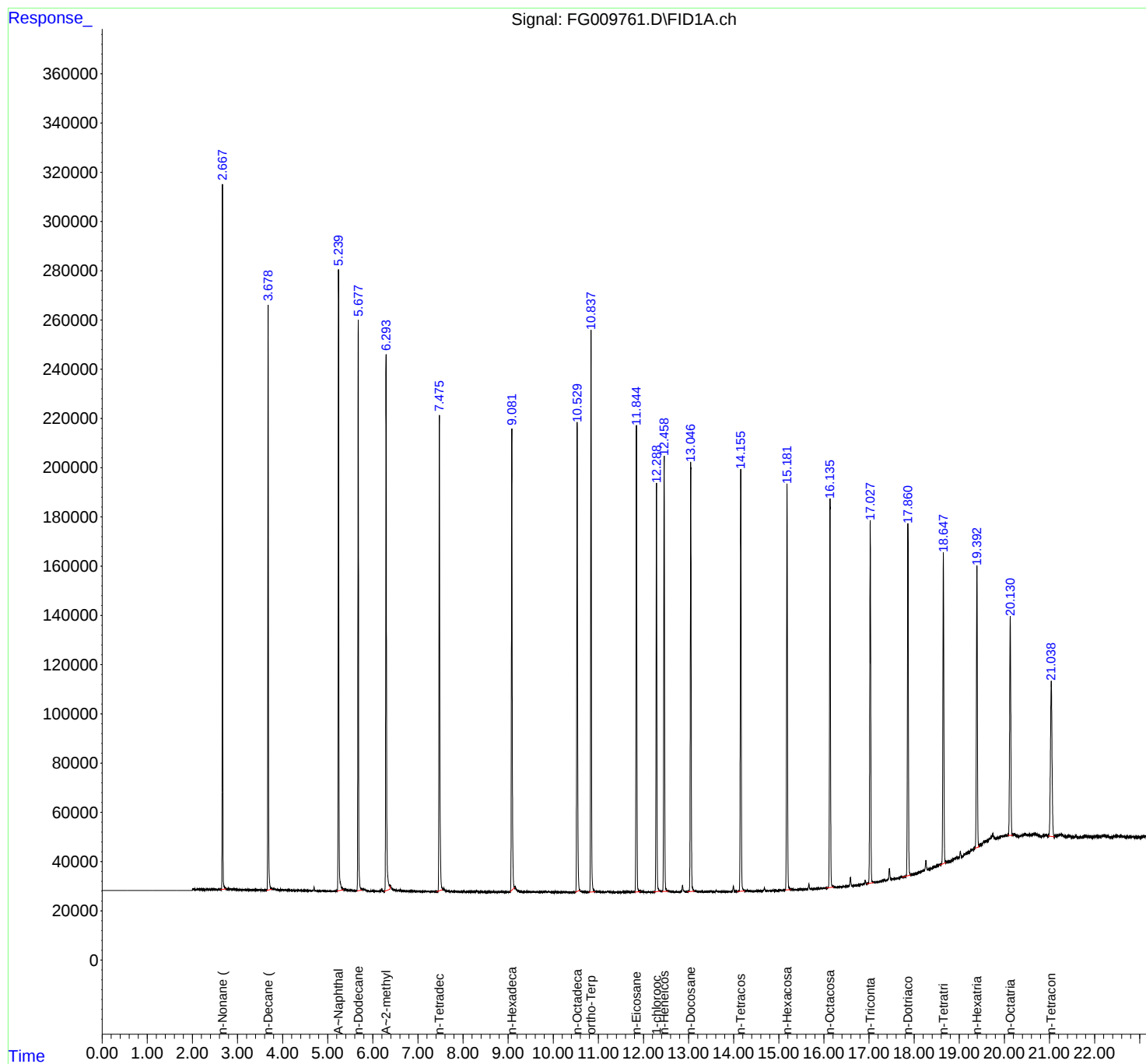
Instrument :
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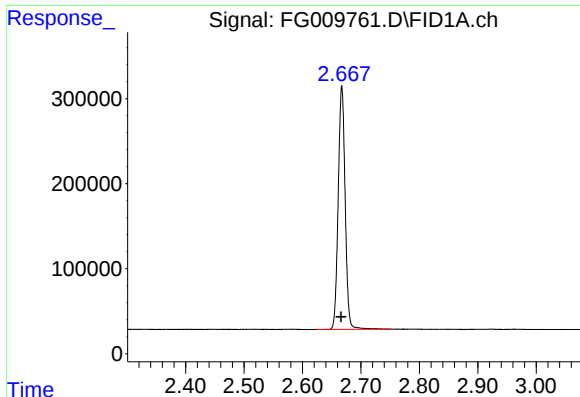
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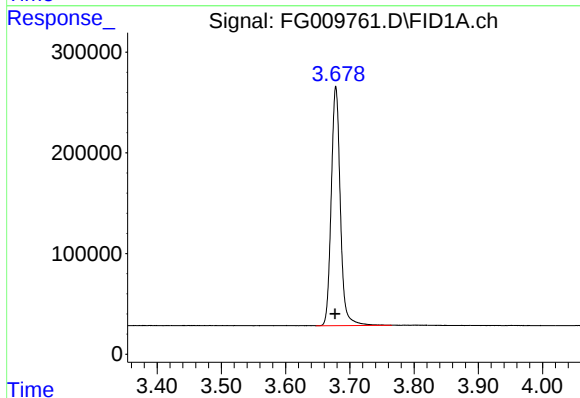
#1 n-Nonane (C9)

R.T.: 2.667 min
Delta R.T.: 0.001 min
Response: 2362761
Conc: 18.62 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

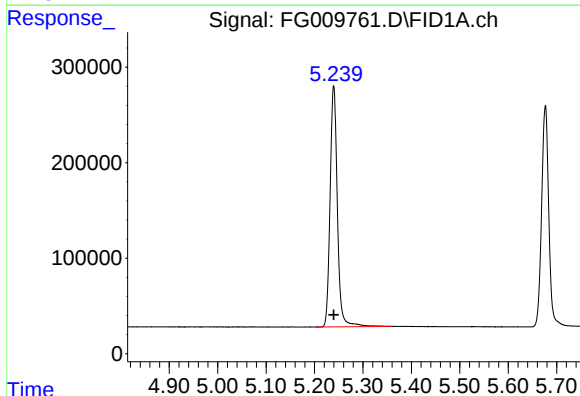
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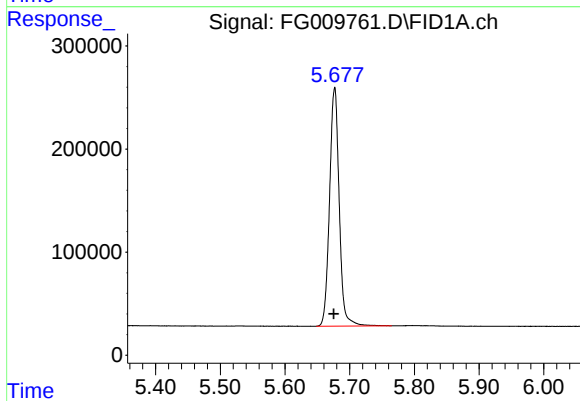
#2 n-Decane (C10)

R.T.: 3.678 min
Delta R.T.: 0.001 min
Response: 2333637
Conc: 18.89 ug/ml



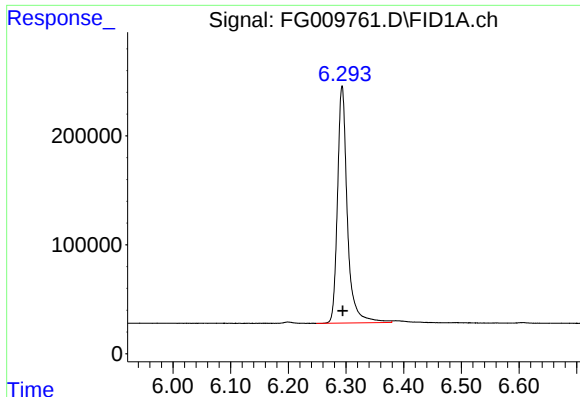
#3 A~Naphthalene (C11.7)

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 2614116
Conc: 18.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.677 min
Delta R.T.: 0.002 min
Response: 2402683
Conc: 18.81 ug/ml



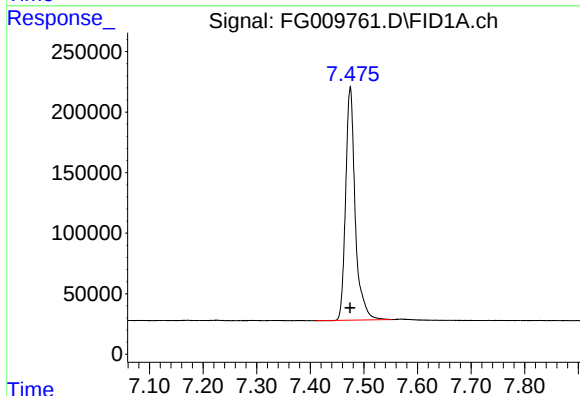
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.293 min
Delta R.T.: 0.000 min
Response: 2589660
Conc: 18.82 ug/ml

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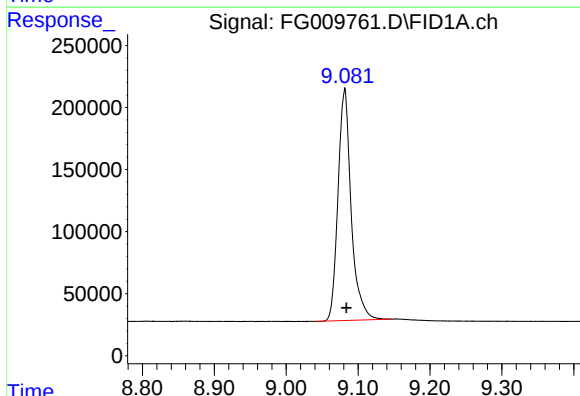
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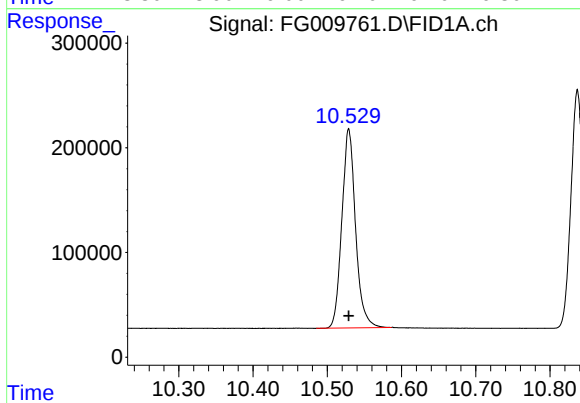
#6 n-Tetradecane (C14)

R.T.: 7.475 min
Delta R.T.: 0.000 min
Response: 2391433
Conc: 18.70 ug/ml



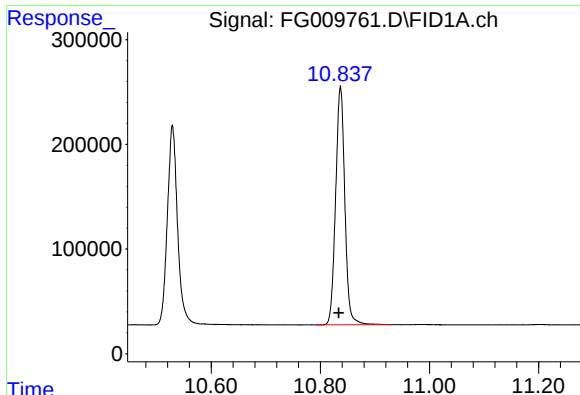
#7 n-Hexadecane (C16)

R.T.: 9.082 min
Delta R.T.: -0.002 min
Response: 2370694
Conc: 17.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.529 min
Delta R.T.: 0.000 min
Response: 2439014
Conc: 17.64 ug/ml



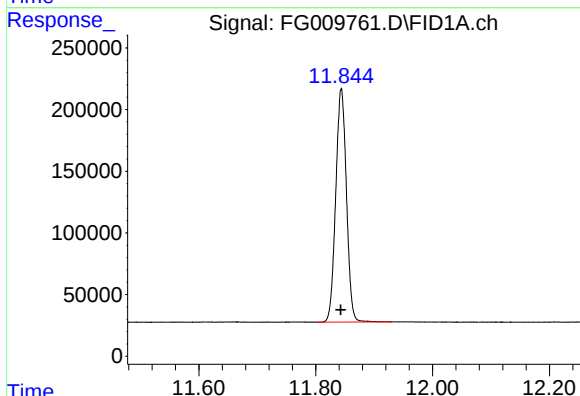
#9 ortho-Terphenyl (SURR)

R.T.: 10.837 min
Delta R.T.: 0.003 min
Response: 2665635
Conc: 17.39 ug/ml

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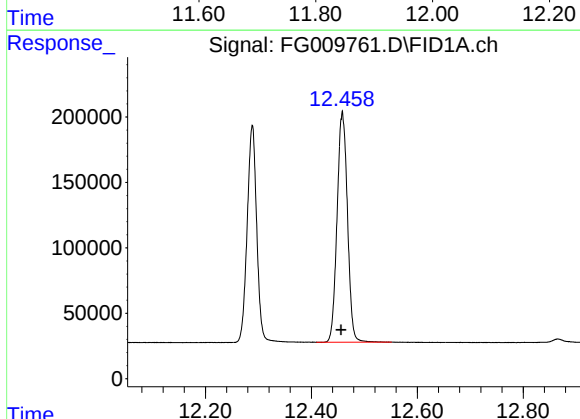
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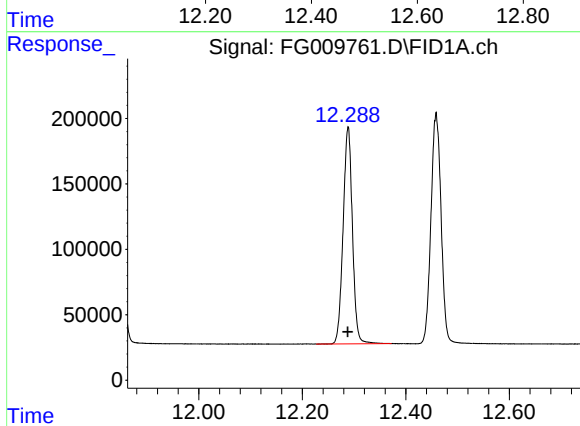
#10 n-Eicosane (C20)

R.T.: 11.844 min
Delta R.T.: 0.001 min
Response: 2409756
Conc: 17.31 ug/ml



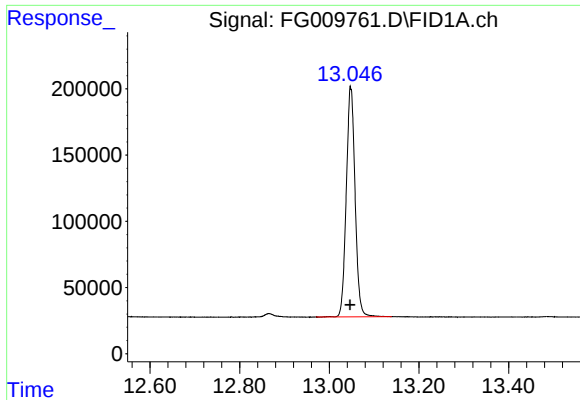
#11 n-Heneicosane (C21)

R.T.: 12.459 min
Delta R.T.: 0.003 min
Response: 2390886
Conc: 16.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.289 min
Delta R.T.: 0.001 min
Response: 2069460
Conc: 17.01 ug/ml



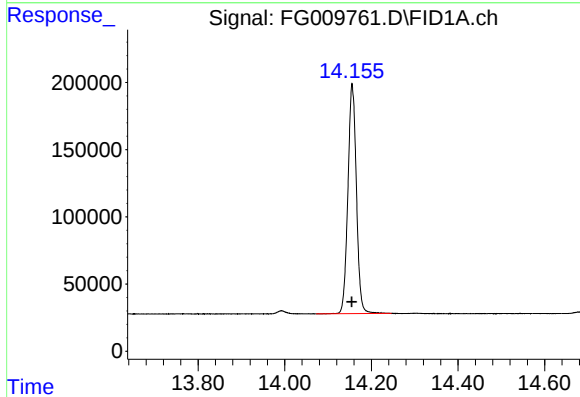
#13 n-Docosane (C22)

R.T.: 13.047 min
Delta R.T.: 0.000 min
Response: 2372308
Conc: 16.78 ug/ml

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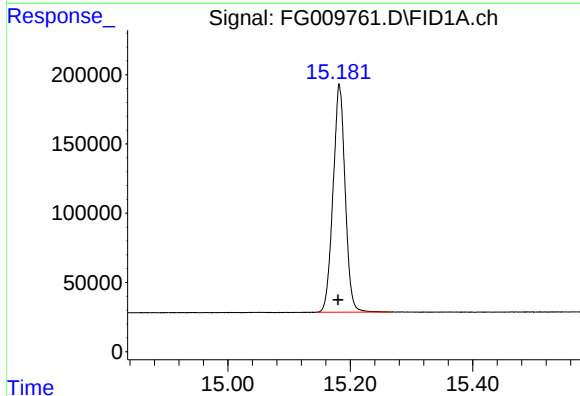
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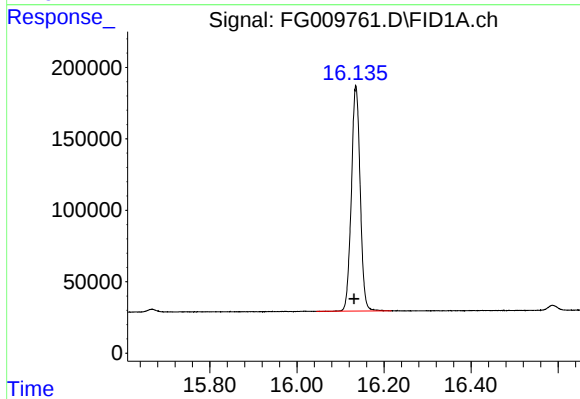
#14 n-Tetracosane (C24)

R.T.: 14.155 min
Delta R.T.: 0.001 min
Response: 2328954
Conc: 16.34 ug/ml



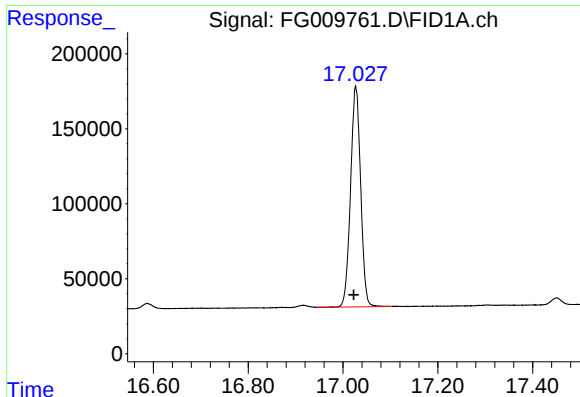
#15 n-Hexacosane (C26)

R.T.: 15.182 min
Delta R.T.: 0.002 min
Response: 2259640
Conc: 15.86 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.135 min
Delta R.T.: 0.004 min
Response: 2215563
Conc: 15.59 ug/ml



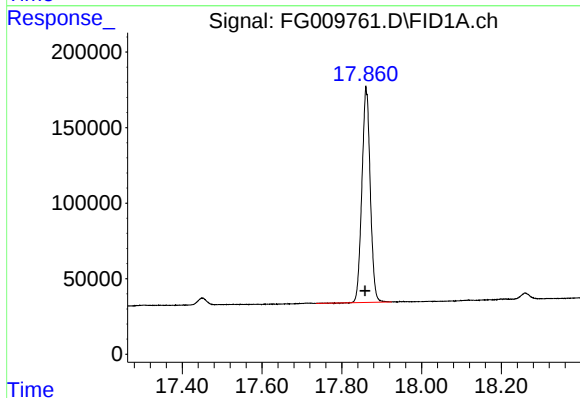
#17 n-Tricontane (C30)

R.T.: 17.027 min
Delta R.T.: 0.004 min
Response: 2180193
Conc: 15.58 ug/ml

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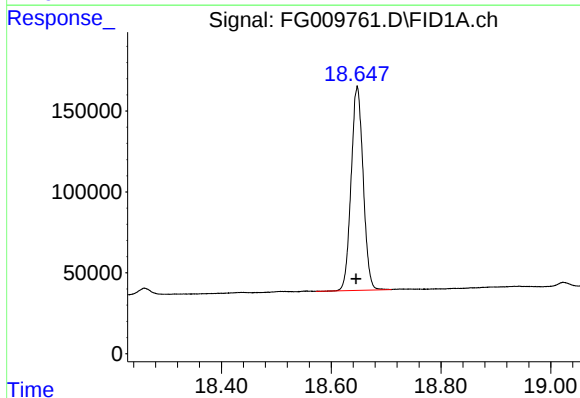
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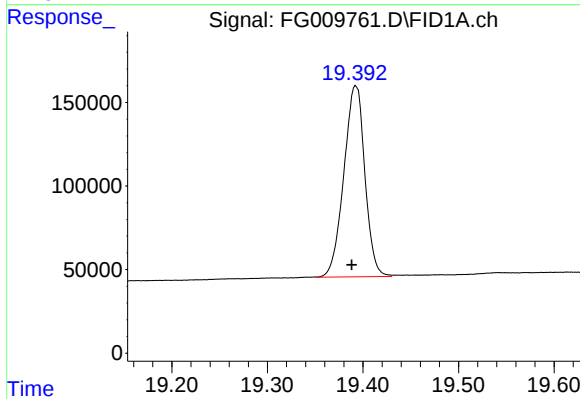
#18 n-Dotriacontane (C32)

R.T.: 17.861 min
Delta R.T.: 0.002 min
Response: 2065641
Conc: 15.68 ug/ml



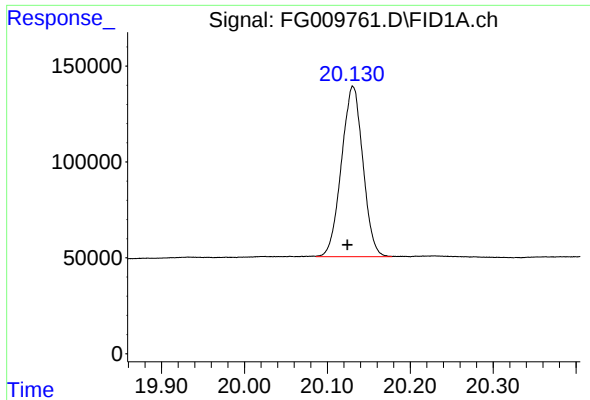
#19 n-Tetratriacontane (C34)

R.T.: 18.648 min
Delta R.T.: 0.002 min
Response: 1916583
Conc: 16.34 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.392 min
Delta R.T.: 0.003 min
Response: 1751419
Conc: 17.51 ug/ml m



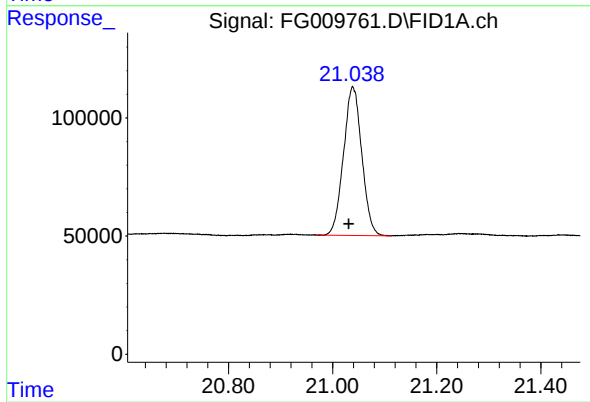
#21 n-Octatriacontane (C38)

R.T.: 20.130 min
Delta R.T.: 0.006 min
Response: 1595618
Conc: 18.40 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.038 min
Delta R.T.: 0.007 min
Response: 1533584
Conc: 19.23 ug/ml