

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051923AL\
 Data File : FG011909.D
 Signal(s) : FID1A.ch
 Acq On : 19 May 2023 21:34
 Operator : YP\AJ
 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 05/20/2023
 Supervised By :Ankita Jodhani 05/22/2023

Integration File: autoint1.e
 Quant Time: May 20 00:45:26 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051923.M
 Quant Title : GC Extractables
 QLast Update : Fri May 19 12:59:06 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)	10.927	3150472	20.129 ug/ml
Spiked Amount 50.000		Recovery =	40.26%
12) S 1-chlorooctadecane (S...	12.366	2365688	19.950 ug/ml
Spiked Amount 50.000		Recovery =	39.90%
Target Compounds			
1) T n-Nonane (C9)	2.761	2299677	19.974 ug/ml
2) T n-Decane (C10)	3.773	2360230	20.009 ug/ml
3) T A~Naphthalene (C11.7)	5.342	2661228	20.303 ug/ml
4) T n-Dodecane (C12)	5.767	2432043	20.277 ug/ml
5) T A~2-methylnaphthalene...	6.393	2578492	20.426 ug/ml
6) T n-Tetradecane (C14)	7.561	2467634	20.321 ug/ml
7) T n-Hexadecane (C16)	9.165	2628949	20.249 ug/ml
8) T n-Octadecane (C18)	10.609	2732561	20.075 ug/ml
10) T n-Eicosane (C20)	11.920	2681409	19.869 ug/ml
11) T n-Heneicosane (C21)	12.533	2651639	19.728 ug/ml
13) T n-Docosane (C22)	13.120	2639008	19.530 ug/ml
14) T n-Tetracosane (C24)	14.225	2597233	19.084 ug/ml
15) T n-Hexacosane (C26)	15.248	2502773	18.709 ug/ml
16) T n-Octacosane (C28)	16.200	2404415	18.417 ug/ml
17) T n-Tricontane (C30)	17.090	2373267	17.994 ug/ml
18) T n-Dotriacontane (C32)	17.926	2309136	17.974 ug/mlm
19) T n-Tetratriacontane (C34)	18.711	2250680	18.369 ug/mlm
20) T n-Hexatriacontane (C36)	19.451	2164196	18.603 ug/mlm
21) T n-Octatriacontane (C38)	20.196	2256471	20.083 ug/mlm
22) T n-Tetracontane (C40)	21.121	2198161	20.402 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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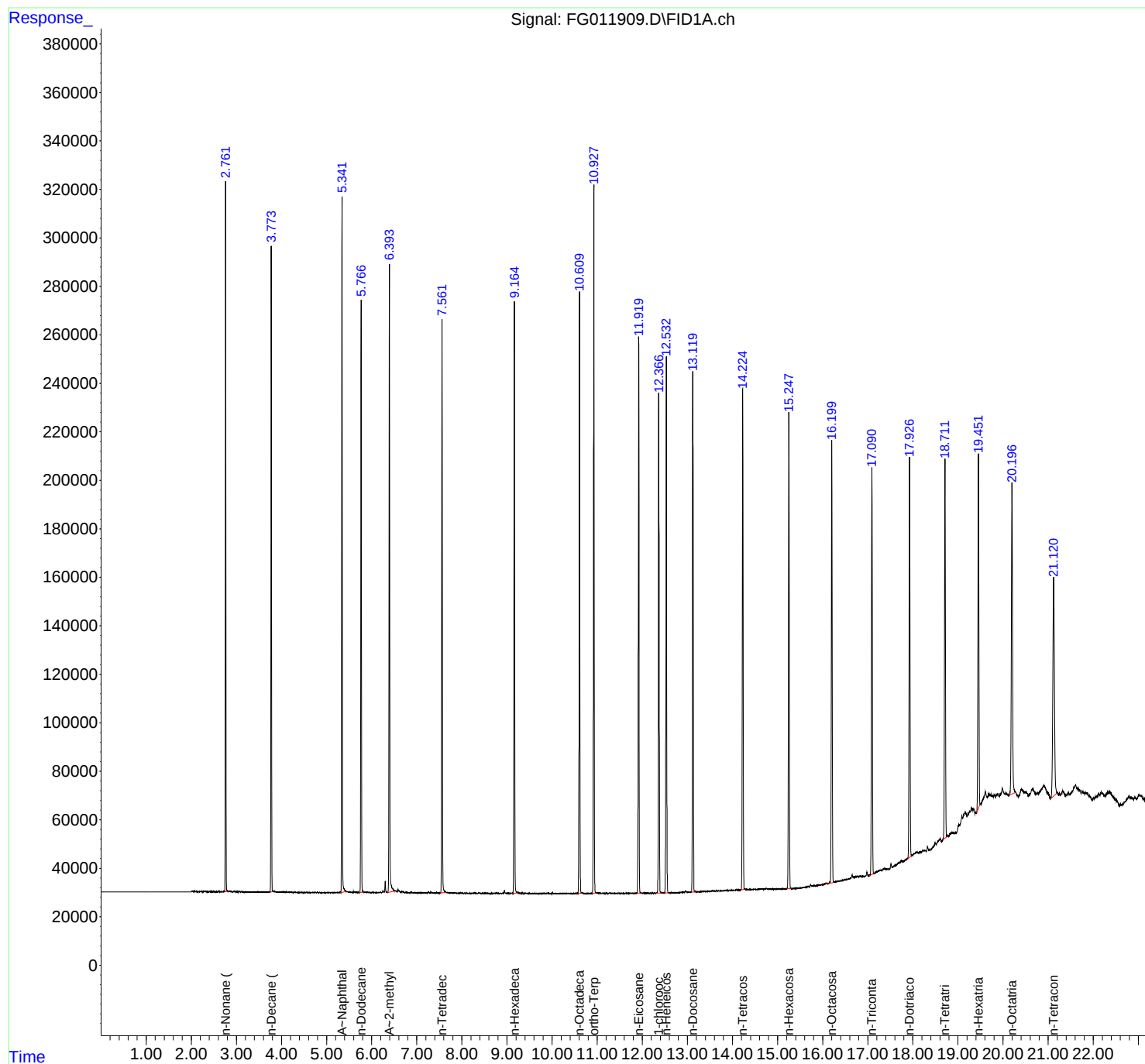
Instrument :
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20 PPM ALIPHATIC HC STD

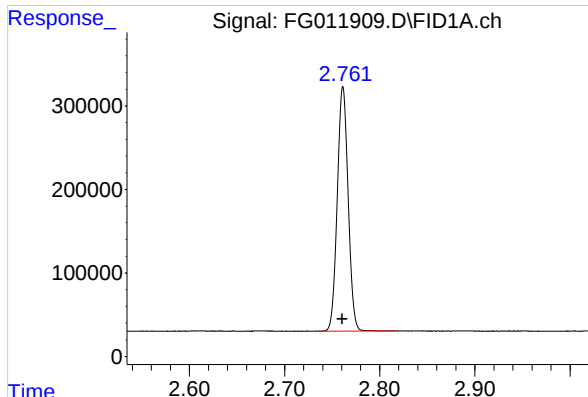
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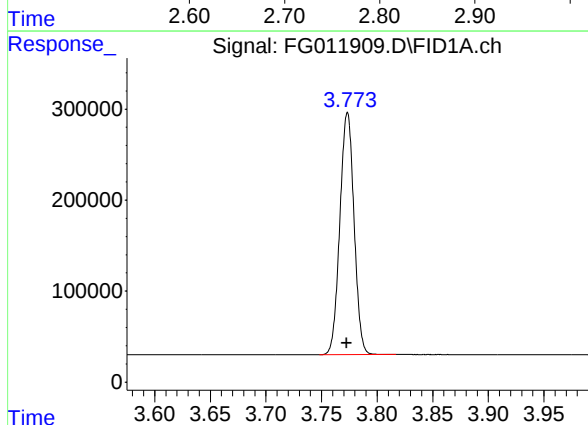
#1 n-Nonane (C9)

R.T.: 2.761 min
Delta R.T.: 0.000 min
Response: 2299677
Conc: 19.97 ug/ml

Instrument : FID_G
ClientSampleId : 20 PPM ALIPHATIC HC STD

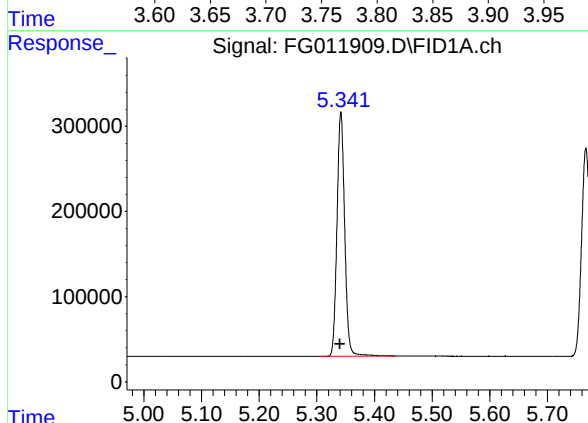
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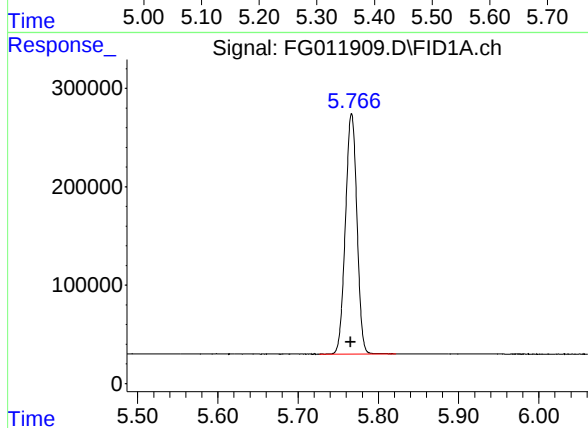
#2 n-Decane (C10)

R.T.: 3.773 min
Delta R.T.: 0.000 min
Response: 2360230
Conc: 20.01 ug/ml



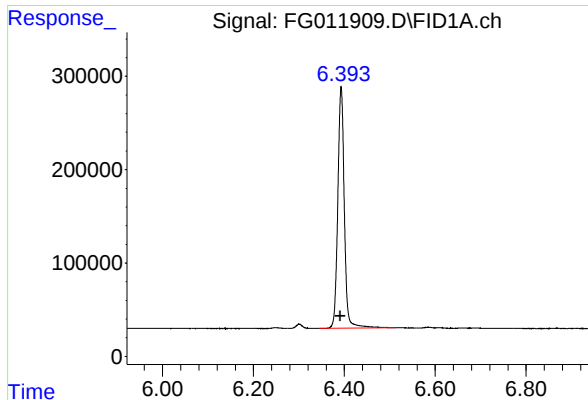
#3 A~Naphthalene (C11.7)

R.T.: 5.342 min
Delta R.T.: 0.002 min
Response: 2661228
Conc: 20.30 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.767 min
Delta R.T.: 0.001 min
Response: 2432043
Conc: 20.28 ug/ml



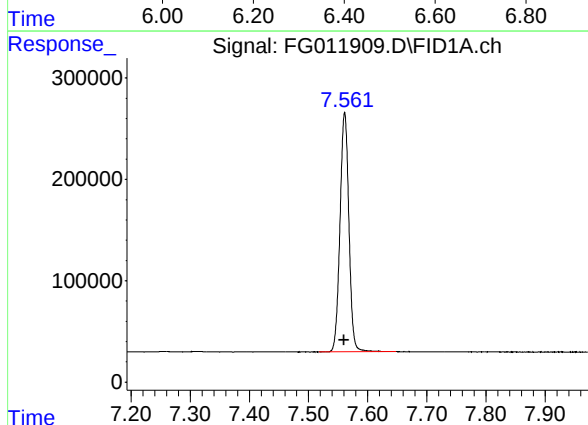
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.393 min
Delta R.T.: 0.002 min
Response: 2578492
Conc: 20.43 ug/ml

Instrument :
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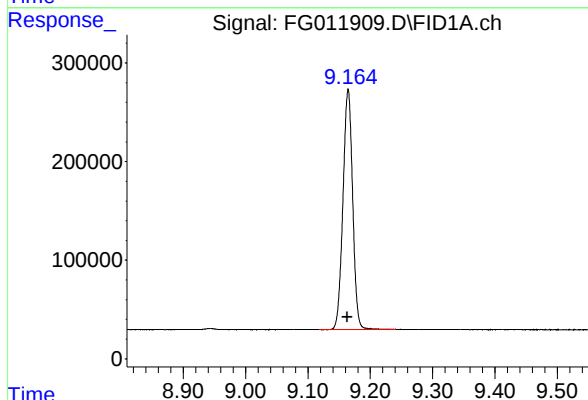
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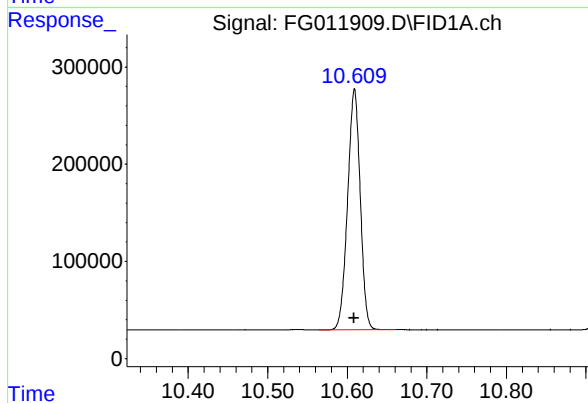
#6 n-Tetradecane (C14)

R.T.: 7.561 min
Delta R.T.: 0.001 min
Response: 2467634
Conc: 20.32 ug/ml



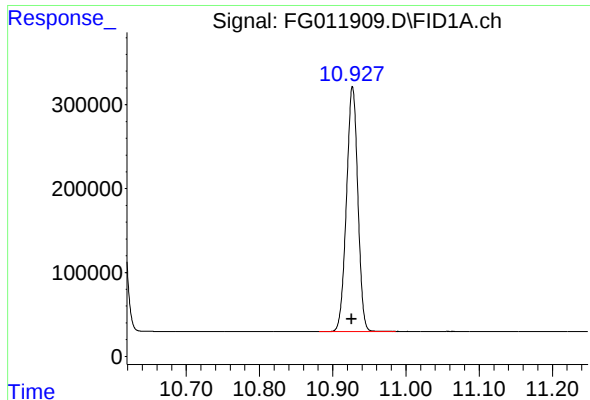
#7 n-Hexadecane (C16)

R.T.: 9.165 min
Delta R.T.: 0.002 min
Response: 2628949
Conc: 20.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.609 min
Delta R.T.: 0.000 min
Response: 2732561
Conc: 20.08 ug/ml



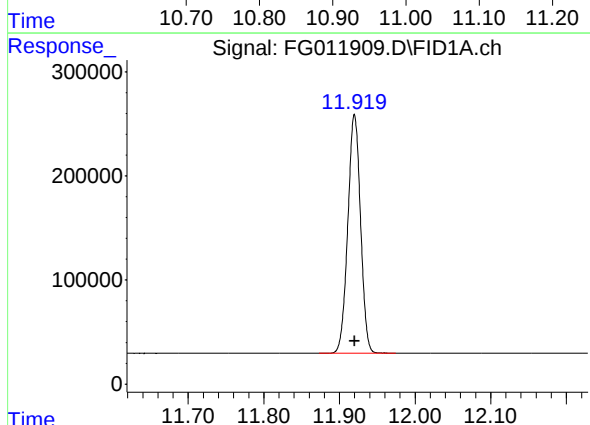
#9 ortho-Terphenyl (SURR)

R.T.: 10.927 min
Delta R.T.: 0.001 min
Response: 3150472
Conc: 20.13 ug/ml

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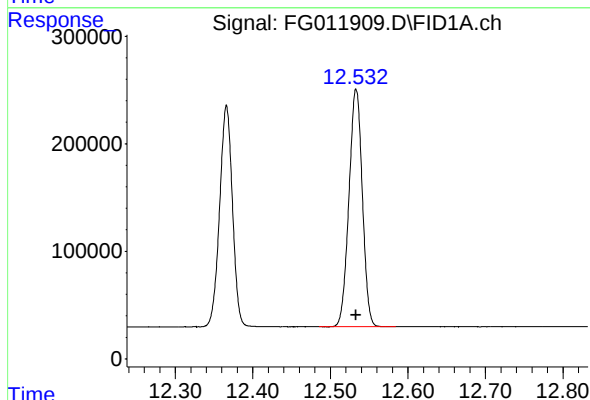
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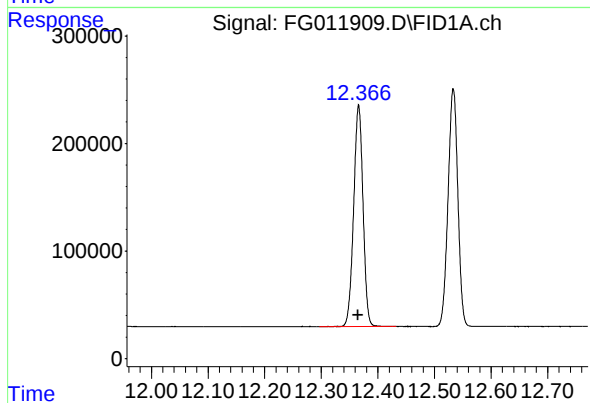
#10 n-Eicosane (C20)

R.T.: 11.920 min
Delta R.T.: 0.000 min
Response: 2681409
Conc: 19.87 ug/ml



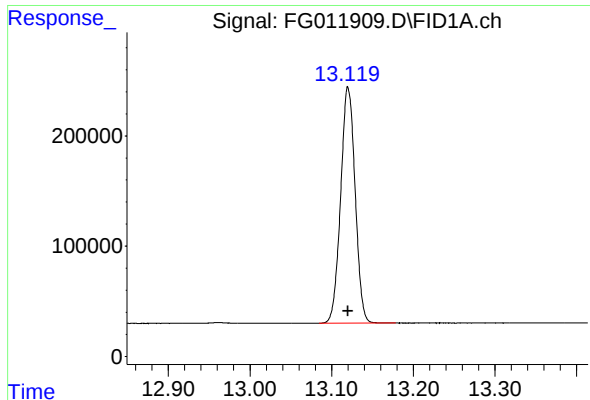
#11 n-Heneicosane (C21)

R.T.: 12.533 min
Delta R.T.: 0.000 min
Response: 2651639
Conc: 19.73 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.366 min
Delta R.T.: 0.000 min
Response: 2365688
Conc: 19.95 ug/ml



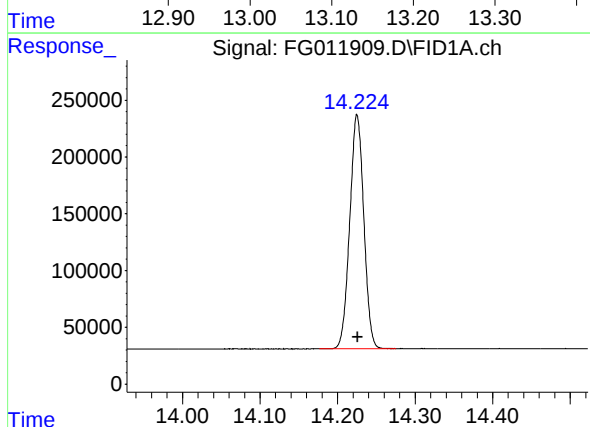
#13 n-Docosane (C22)

R.T.: 13.120 min
Delta R.T.: 0.000 min
Response: 2639008
Conc: 19.53 ug/ml

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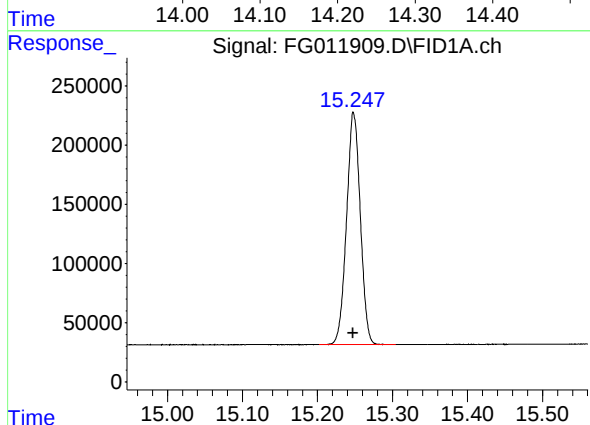
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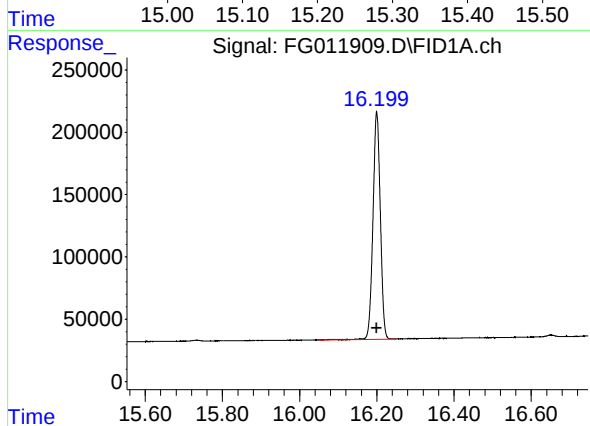
#14 n-Tetracosane (C24)

R.T.: 14.225 min
Delta R.T.: 0.000 min
Response: 2597233
Conc: 19.08 ug/ml



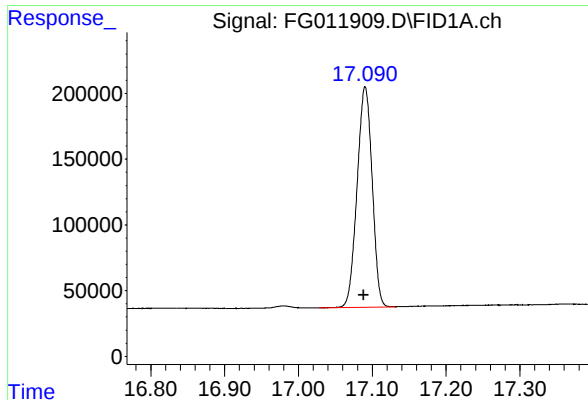
#15 n-Hexacosane (C26)

R.T.: 15.248 min
Delta R.T.: 0.000 min
Response: 2502773
Conc: 18.71 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.200 min
Delta R.T.: 0.000 min
Response: 2404415
Conc: 18.42 ug/ml



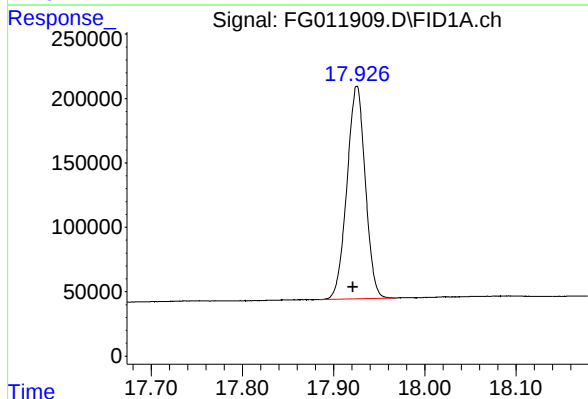
#17 n-Tricontane (C30)

R.T.: 17.090 min
Delta R.T.: 0.002 min
Response: 2373267
Conc: 17.99 ug/ml

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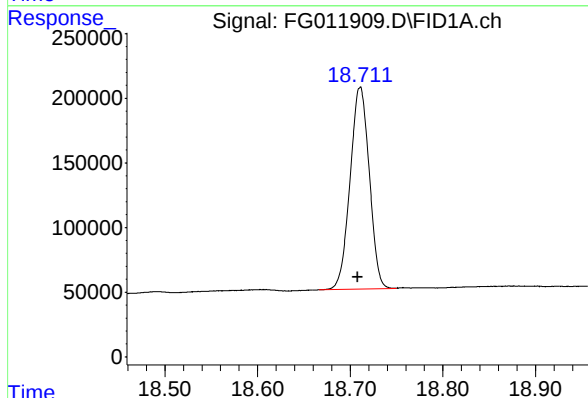
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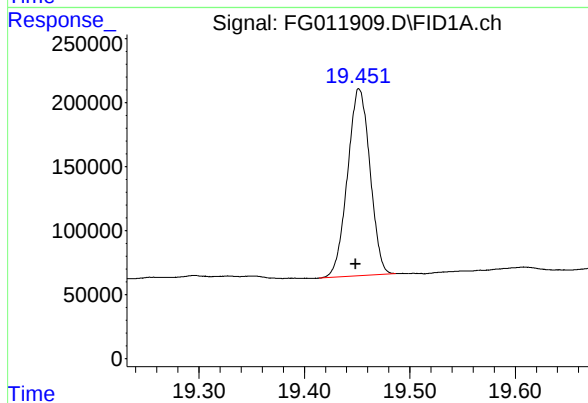
#18 n-Dotriacontane (C32)

R.T.: 17.926 min
Delta R.T.: 0.005 min
Response: 2309136
Conc: 17.97 ug/ml m



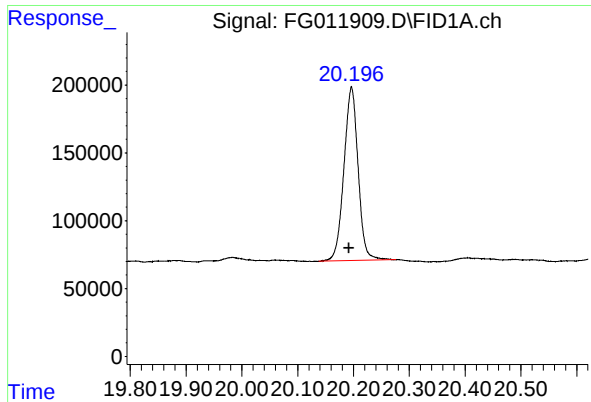
#19 n-Tetratriacontane (C34)

R.T.: 18.711 min
Delta R.T.: 0.003 min
Response: 2250680
Conc: 18.37 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.451 min
Delta R.T.: 0.002 min
Response: 2164196
Conc: 18.60 ug/ml m



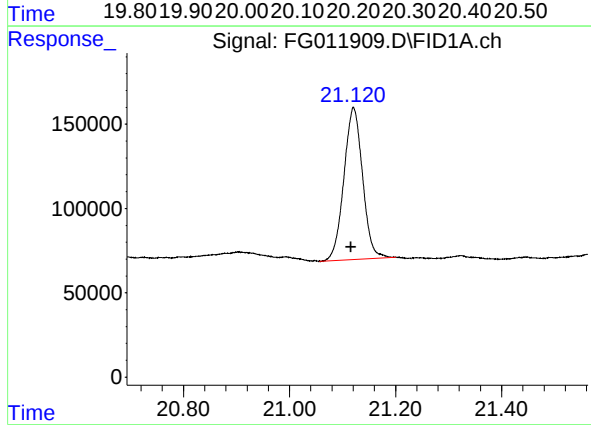
#21 n-Octatriacontane (C38)

R.T.: 20.196 min
Delta R.T.: 0.005 min
Response: 2256471
Conc: 20.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.121 min
Delta R.T.: 0.004 min
Response: 2198161
Conc: 20.40 ug/ml