

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051625AL\
 Data File : FG015844.D
 Signal(s) : FID1A.ch
 Acq On : 16 May 2025 10:58
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/19/2025
 Supervised By :mohammad ahmed 05/20/2025

Integration File: autoint1.e
 Quant Time: May 17 00:41:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
 Quant Title : GC Extractables
 QLast Update : Mon May 12 12:44:43 2025
 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)	11.889	2900878	19.484 ug/ml
Spiked Amount 50.000		Recovery =	38.97%
12) S 1-chlorooctadecane (S...	13.333	2181401	18.936 ug/ml
Spiked Amount 50.000		Recovery =	37.87%
Target Compounds			
1) T n-Nonane (C9)	3.236	2292389	20.432 ug/ml
2) T n-Decane (C10)	4.495	2314197	20.454 ug/ml
3) T A~Naphthalene (C11.7)	6.208	2402025	20.546 ug/ml
4) T n-Dodecane (C12)	6.675	2364978	20.524 ug/ml
5) T A~2-methylnaphthalene...	7.311	2313341	20.253 ug/ml
6) T n-Tetradecane (C14)	8.512	2348246	20.387 ug/ml
7) T n-Hexadecane (C16)	10.126	2382650	20.146 ug/ml
8) T n-Octadecane (C18)	11.573	2405099	19.786 ug/mlm
10) T n-Eicosane (C20)	12.887	2366974	19.314 ug/ml
11) T n-Heneicosane (C21)	13.501	2346131	19.154 ug/ml
13) T n-Docosane (C22)	14.090	2311049	18.968 ug/ml
14) T n-Tetracosane (C24)	15.196	2264478	18.695 ug/ml
15) T n-Hexacosane (C26)	16.220	2207035	18.437 ug/ml
16) T n-Octacosane (C28)	17.172	2148260	18.219 ug/ml
17) T n-Tricontane (C30)	18.062	2148296	18.079 ug/ml
18) T n-Dotriacontane (C32)	18.896	2194040	18.575 ug/ml
19) T n-Tetratriacontane (C34)	19.681	2053967	18.394 ug/ml
20) T n-Hexatriacontane (C36)	20.423	2060401	19.054 ug/mlm
21) T n-Octatriacontane (C38)	21.161	1958256	18.852 ug/ml
22) T n-Tetracontane (C40)	22.079	2016889	19.778 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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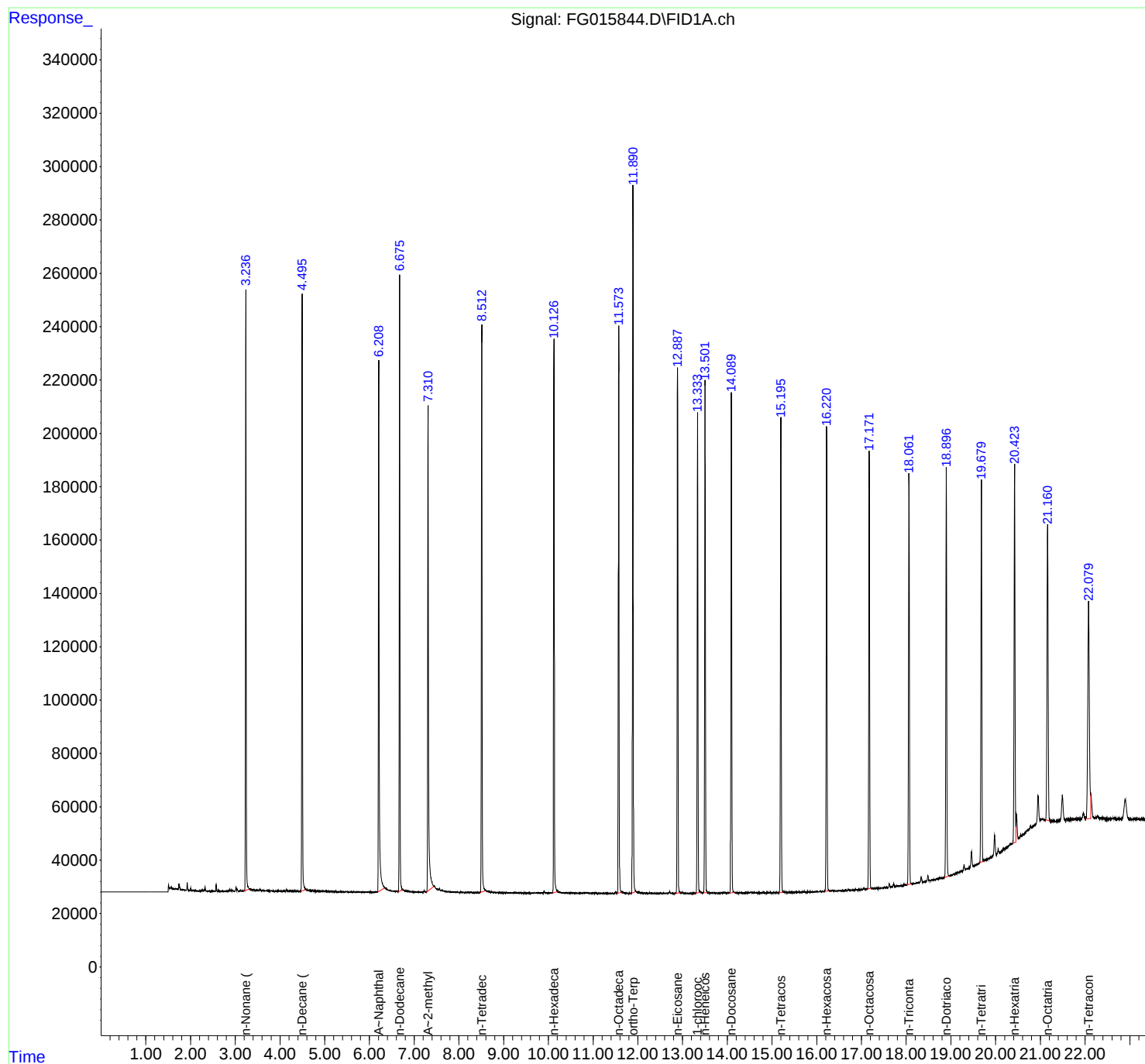
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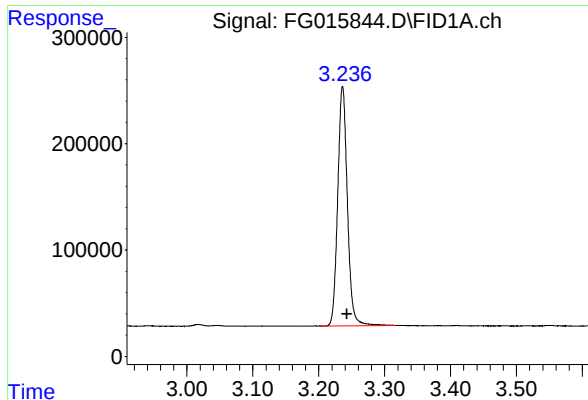
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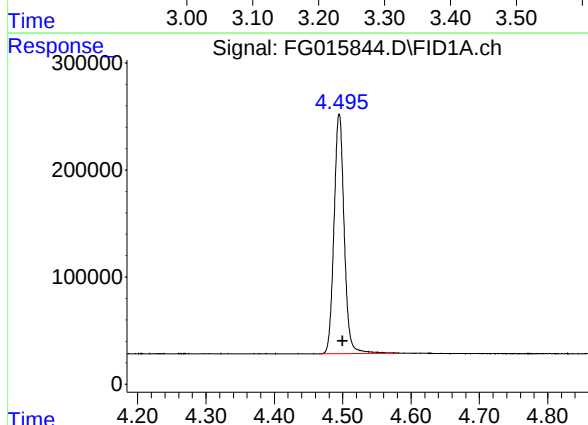
#1 n-Nonane (C9)

R.T.: 3.236 min
Delta R.T.: -0.007 min
Response: 2292389
Conc: 20.43 ug/ml

Instrument : FID_G
ClientSampleId : 20 PPM ALIPHATIC HC STD

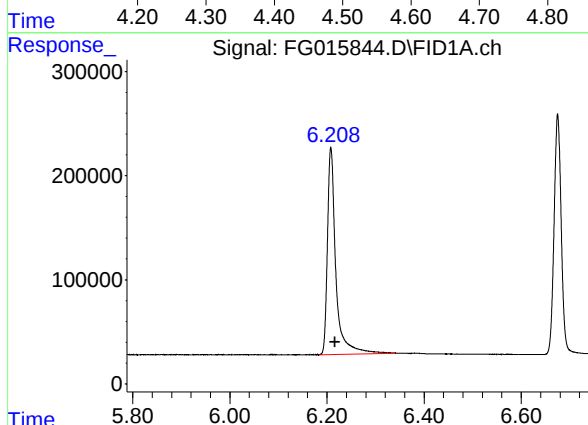
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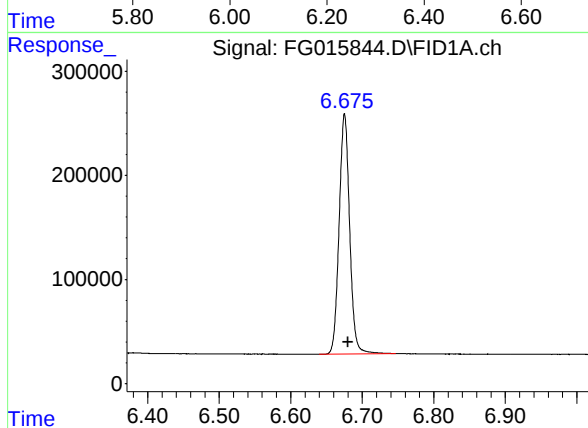
#2 n-Decane (C10)

R.T.: 4.495 min
Delta R.T.: -0.005 min
Response: 2314197
Conc: 20.45 ug/ml



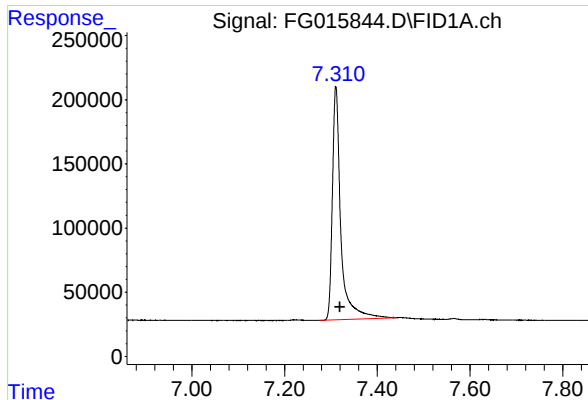
#3 A~Naphthalene (C11.7)

R.T.: 6.208 min
Delta R.T.: -0.009 min
Response: 2402025
Conc: 20.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.675 min
Delta R.T.: -0.005 min
Response: 2364978
Conc: 20.52 ug/ml



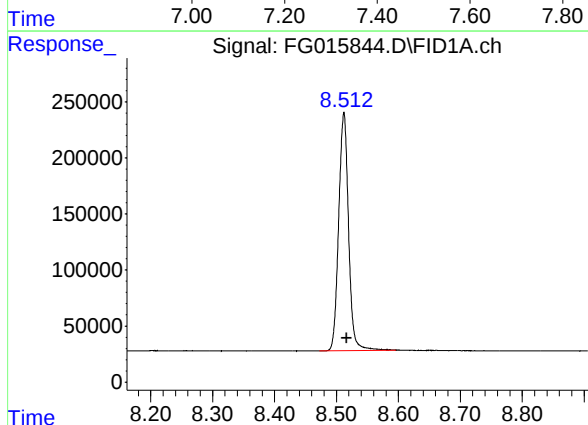
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.311 min
Delta R.T.: -0.008 min
Response: 2313341
Conc: 20.25 ug/ml

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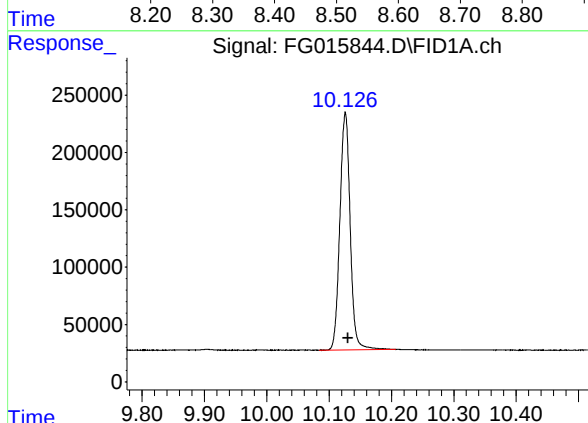
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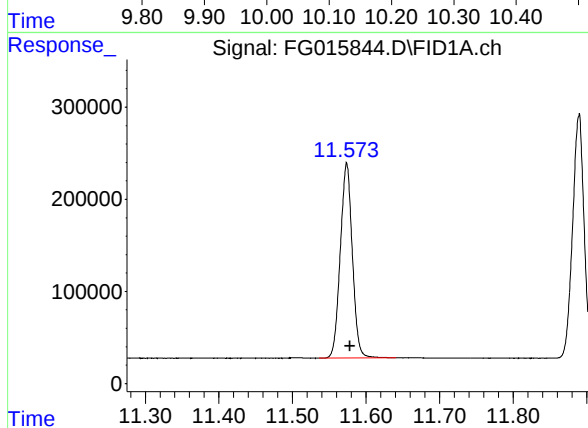
#6 n-Tetradecane (C14)

R.T.: 8.512 min
Delta R.T.: -0.004 min
Response: 2348246
Conc: 20.39 ug/ml



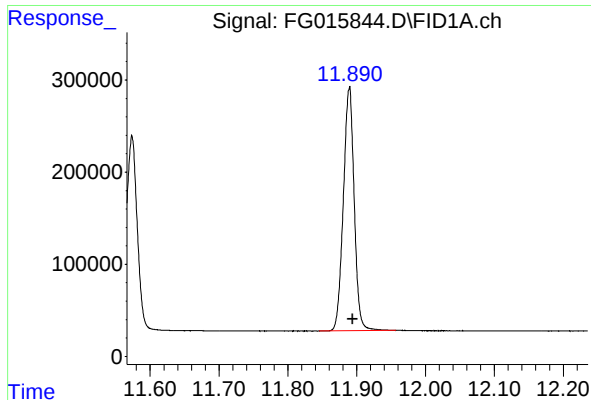
#7 n-Hexadecane (C16)

R.T.: 10.126 min
Delta R.T.: -0.004 min
Response: 2382650
Conc: 20.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.573 min
Delta R.T.: -0.005 min
Response: 2405099
Conc: 19.79 ug/ml m



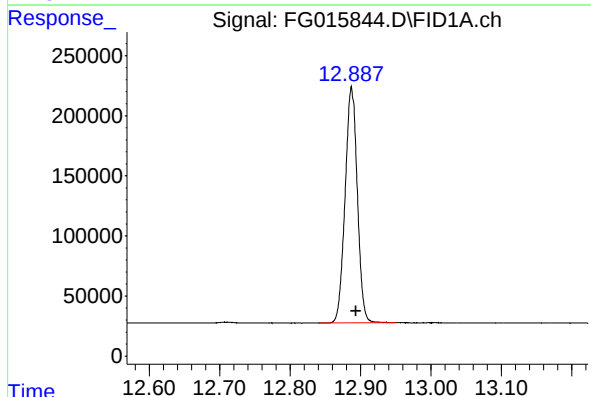
#9 ortho-Terphenyl (SURR)

R.T.: 11.889 min
Delta R.T.: -0.005 min
Response: 2900878
Conc: 19.48 ug/ml

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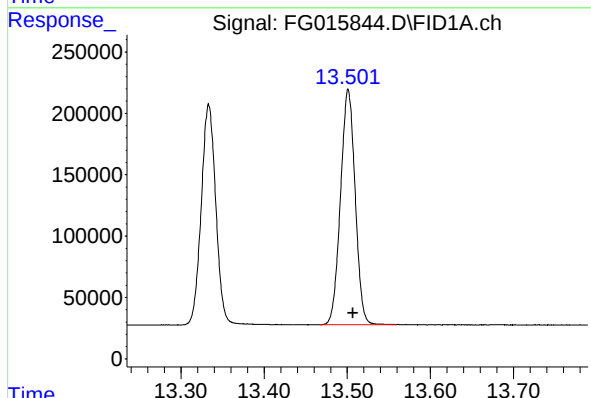
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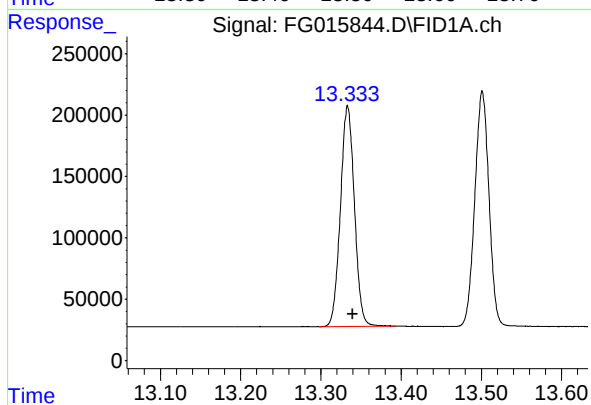
#10 n-Eicosane (C20)

R.T.: 12.887 min
Delta R.T.: -0.006 min
Response: 2366974
Conc: 19.31 ug/ml



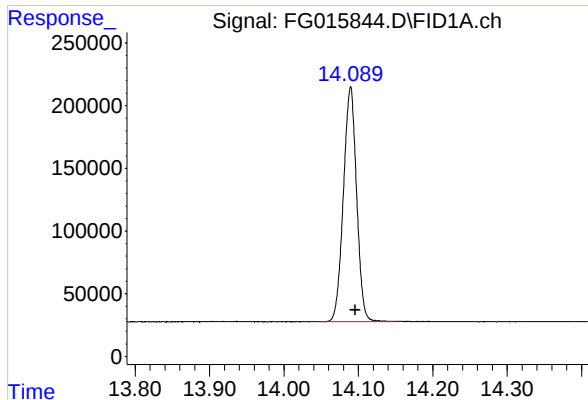
#11 n-Heneicosane (C21)

R.T.: 13.501 min
Delta R.T.: -0.006 min
Response: 2346131
Conc: 19.15 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.333 min
Delta R.T.: -0.006 min
Response: 2181401
Conc: 18.94 ug/ml



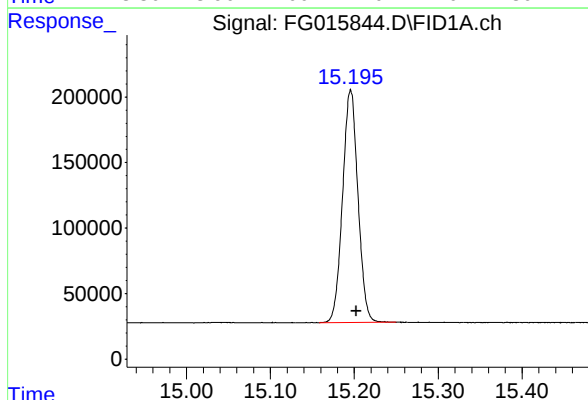
#13 n-Docosane (C22)

R.T.: 14.090 min
Delta R.T.: -0.006 min
Response: 2311049
Conc: 18.97 ug/ml

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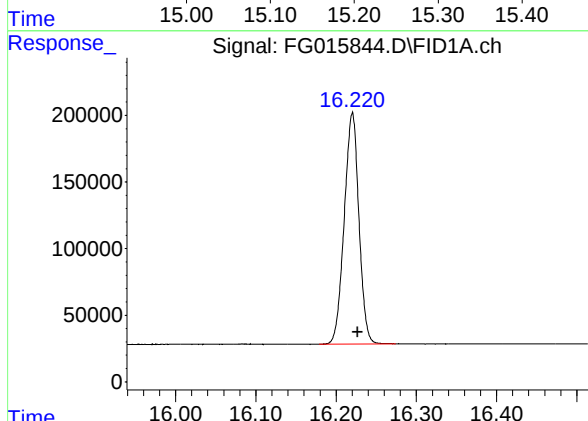
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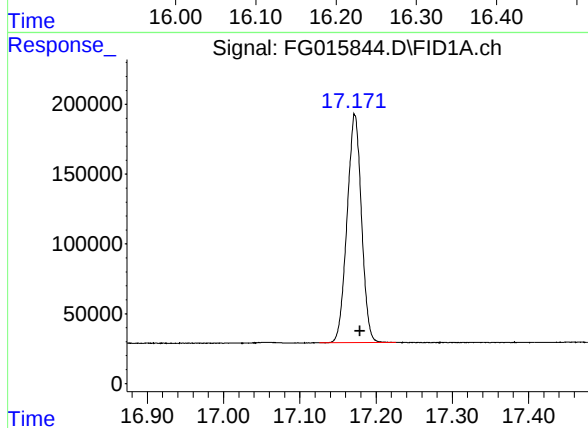
#14 n-Tetracosane (C24)

R.T.: 15.196 min
Delta R.T.: -0.007 min
Response: 2264478
Conc: 18.70 ug/ml



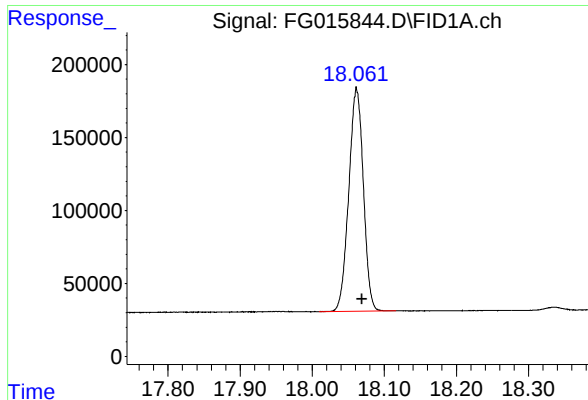
#15 n-Hexacosane (C26)

R.T.: 16.220 min
Delta R.T.: -0.006 min
Response: 2207035
Conc: 18.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.172 min
Delta R.T.: -0.007 min
Response: 2148260
Conc: 18.22 ug/ml



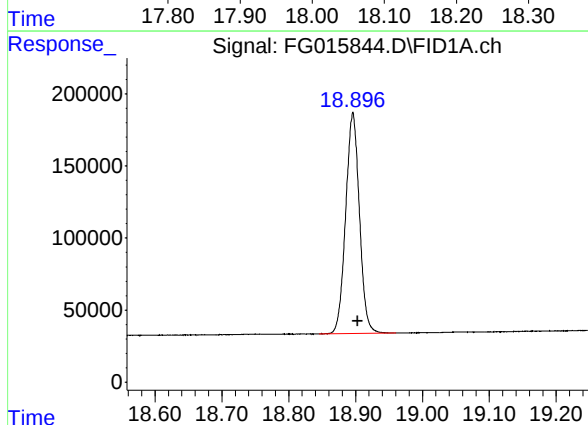
#17 n-Tricontane (C30)

R.T.: 18.062 min
Delta R.T.: -0.008 min
Response: 2148296
Conc: 18.08 ug/ml

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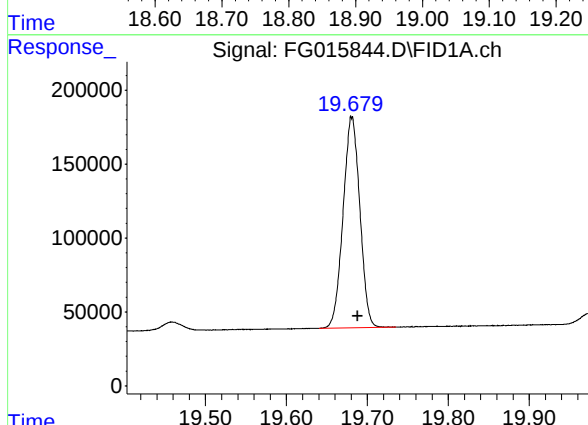
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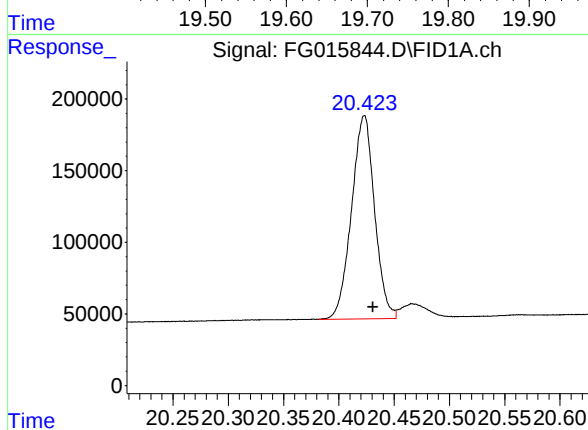
#18 n-Dotriacontane (C32)

R.T.: 18.896 min
Delta R.T.: -0.008 min
Response: 2194040
Conc: 18.57 ug/ml



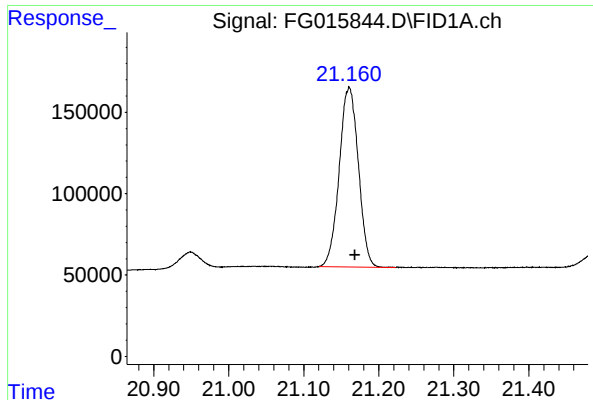
#19 n-Tetatriacontane (C34)

R.T.: 19.681 min
Delta R.T.: -0.008 min
Response: 2053967
Conc: 18.39 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.423 min
Delta R.T.: -0.008 min
Response: 2060401
Conc: 19.05 ug/ml m



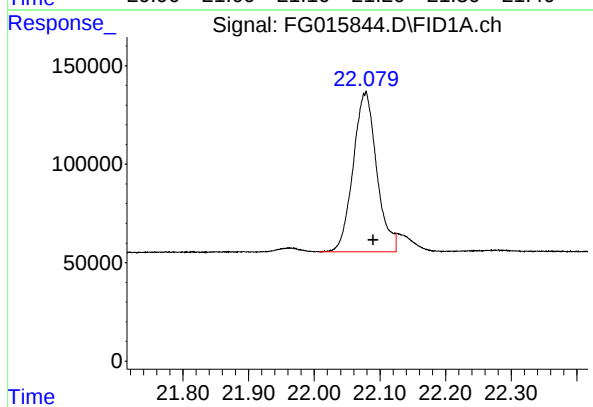
#21 n-Octatriacontane (C38)

R.T.: 21.161 min
Delta R.T.: -0.008 min
Response: 1958256
Conc: 18.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.079 min
Delta R.T.: -0.011 min
Response: 2016889
Conc: 19.78 ug/ml