

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060525AL\
 Data File : FG015932.D
 Signal(s) : FID1A.ch
 Acq On : 05 Jun 2025 12:23
 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 06/06/2025
 Supervised By :mohammad ahmed 06/09/2025

Integration File: autoint1.e
 Quant Time: Jun 06 02:12:02 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)	11.879	2990282	20.084 ug/ml
Spiked Amount 50.000		Recovery =	40.17%
12) S 1-chlorooctadecane (S...	13.323	2322462	20.160 ug/ml
Spiked Amount 50.000		Recovery =	40.32%
Target Compounds			
1) T n-Nonane (C9)	3.220	2130163	18.986 ug/ml
2) T n-Decane (C10)	4.482	2194224	19.394 ug/ml
3) T A~Naphthalene (C11.7)	6.197	2298702	19.662 ug/ml
4) T n-Dodecane (C12)	6.665	2278091	19.770 ug/ml
5) T A~2-methylnaphthalene...	7.300	2252970	19.725 ug/ml
6) T n-Tetradecane (C14)	8.502	2306025	20.020 ug/ml
7) T n-Hexadecane (C16)	10.115	2381600	20.137 ug/ml
8) T n-Octadecane (C18)	11.563	2463158	20.263 ug/ml
10) T n-Eicosane (C20)	12.877	2490689	20.323 ug/ml
11) T n-Heneicosane (C21)	13.491	2486756	20.302 ug/ml
13) T n-Docosane (C22)	14.079	2490544	20.442 ug/ml
14) T n-Tetracosane (C24)	15.185	2506518	20.694 ug/ml
15) T n-Hexacosane (C26)	16.211	2461693	20.564 ug/ml
16) T n-Octacosane (C28)	17.162	2427115	20.584 ug/ml
17) T n-Tricontane (C30)	18.052	2455322	20.663 ug/ml
18) T n-Dotriacontane (C32)	18.886	2438812	20.647 ug/ml
19) T n-Tetratriacontane (C34)	19.671	2248317	20.134 ug/ml
20) T n-Hexatriacontane (C36)	20.414	2203833	20.380 ug/mlm
21) T n-Octatriacontane (C38)	21.149	2130020	20.505 ug/mlm
22) T n-Tetracontane (C40)	22.062	2144102	21.025 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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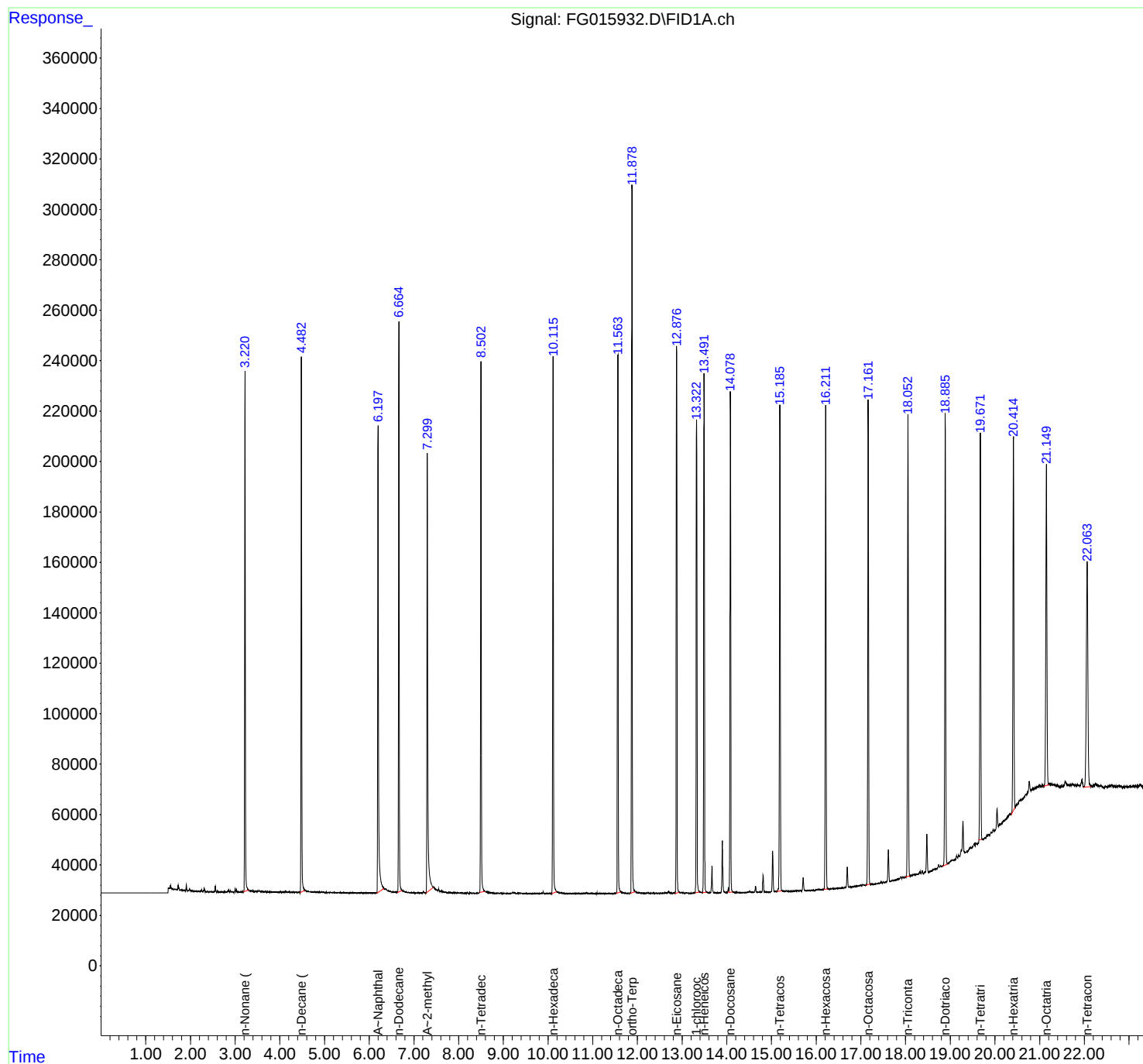
Instrument :
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20 PPM ALIPHATIC HC STD

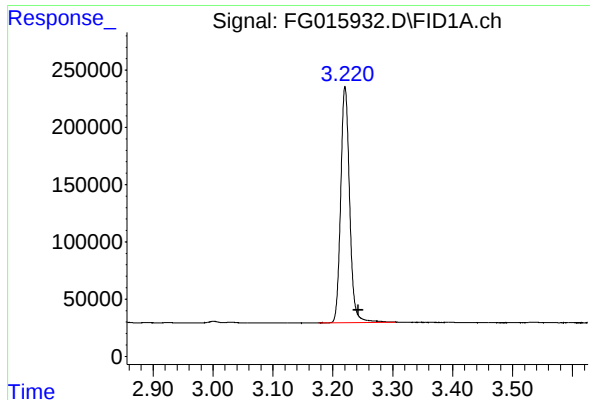
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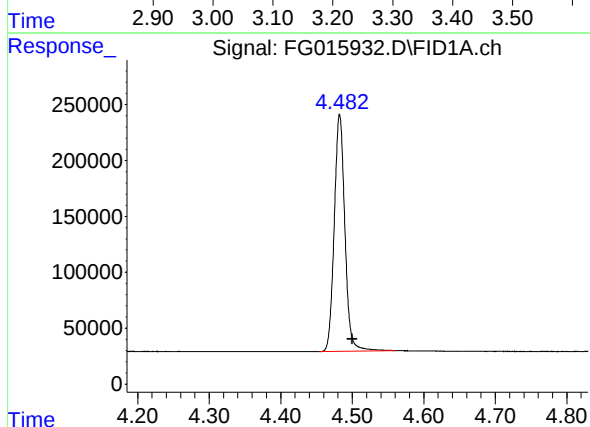
#1 n-Nonane (C9)

R.T.: 3.220 min
Delta R.T.: -0.023 min
Response: 2130163
Conc: 18.99 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

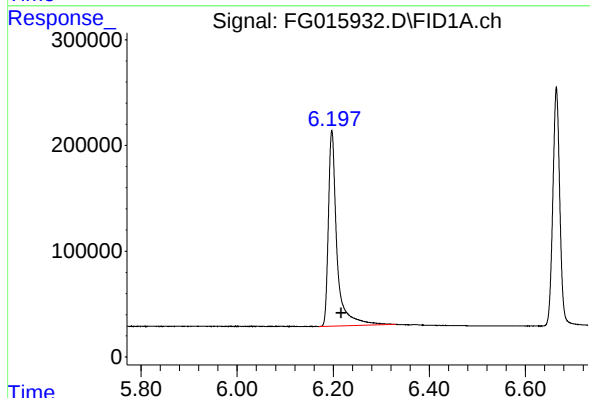
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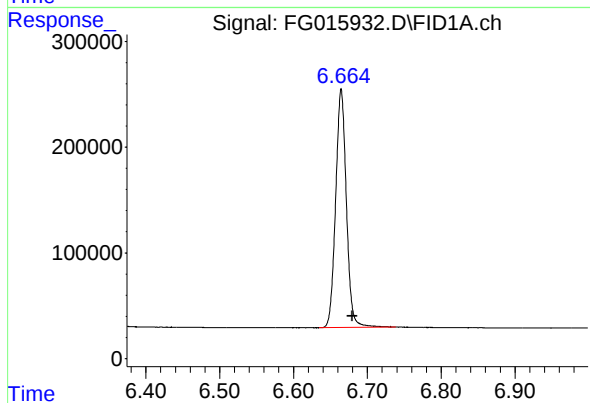
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: -0.018 min
Response: 2194224
Conc: 19.39 ug/ml



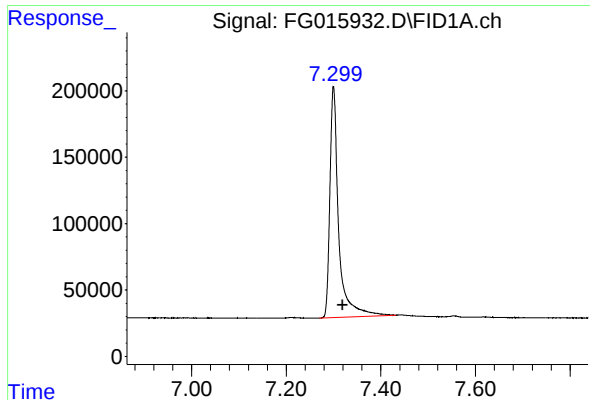
#3 A~Naphthalene (C11.7)

R.T.: 6.197 min
Delta R.T.: -0.019 min
Response: 2298702
Conc: 19.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.665 min
Delta R.T.: -0.015 min
Response: 2278091
Conc: 19.77 ug/ml



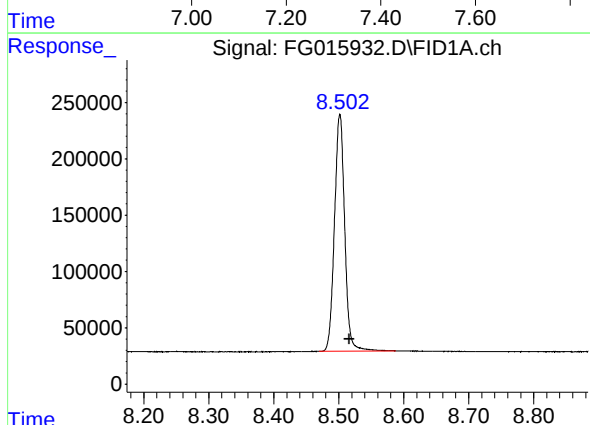
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.300 min
Delta R.T.: -0.019 min
Response: 2252970
Conc: 19.72 ug/ml

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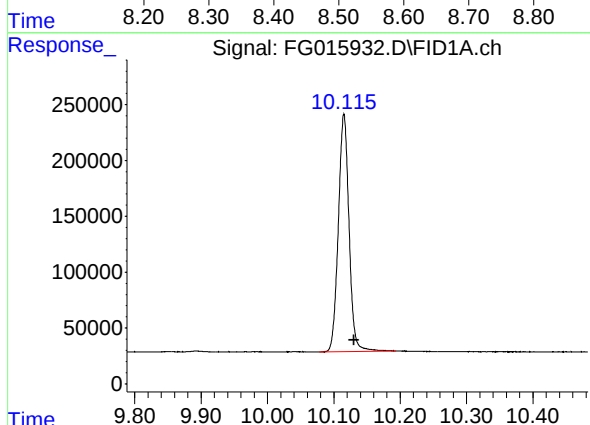
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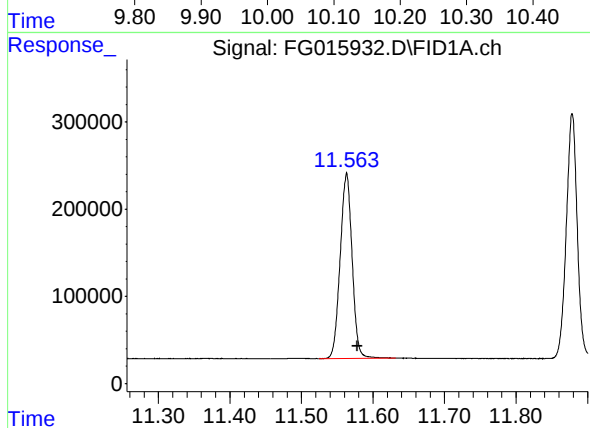
#6 n-Tetradecane (C14)

R.T.: 8.502 min
Delta R.T.: -0.015 min
Response: 2306025
Conc: 20.02 ug/ml



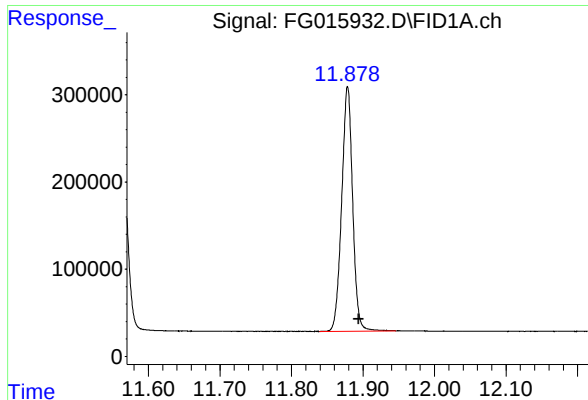
#7 n-Hexadecane (C16)

R.T.: 10.115 min
Delta R.T.: -0.015 min
Response: 2381600
Conc: 20.14 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.563 min
Delta R.T.: -0.015 min
Response: 2463158
Conc: 20.26 ug/ml



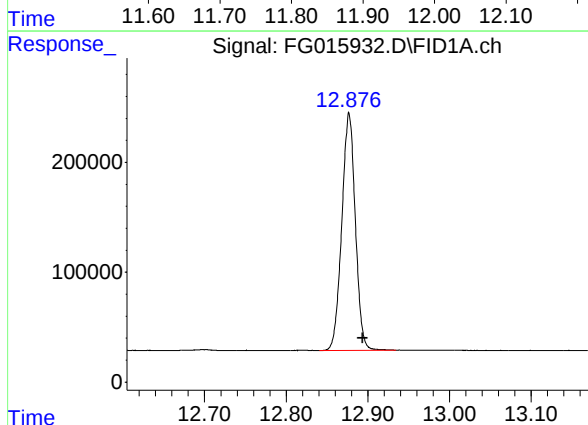
#9 ortho-Terphenyl (SURR)

R.T.: 11.879 min
Delta R.T.: -0.015 min
Response: 2990282
Conc: 20.08 ug/ml

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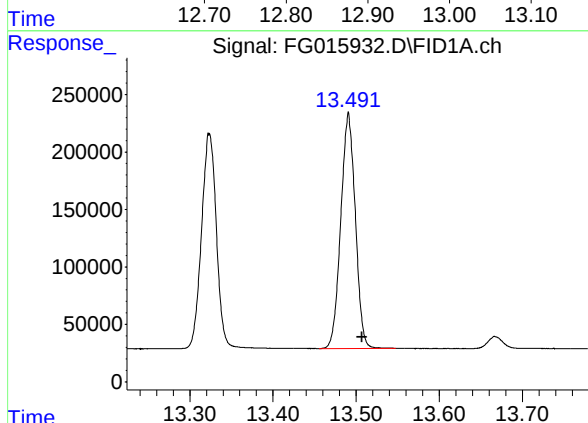
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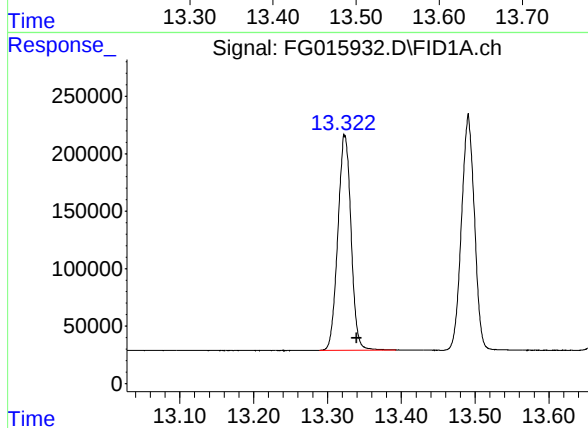
#10 n-Eicosane (C20)

R.T.: 12.877 min
Delta R.T.: -0.016 min
Response: 2490689
Conc: 20.32 ug/ml



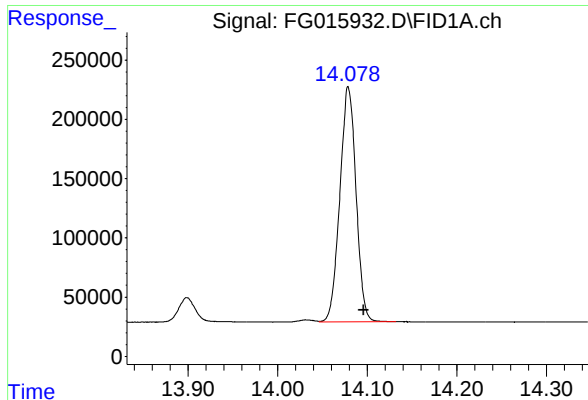
#11 n-Heneicosane (C21)

R.T.: 13.491 min
Delta R.T.: -0.016 min
Response: 2486756
Conc: 20.30 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.323 min
Delta R.T.: -0.016 min
Response: 2322462
Conc: 20.16 ug/ml



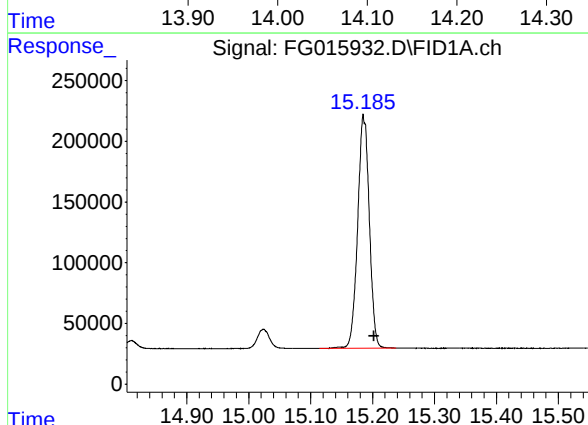
#13 n-Docosane (C22)

R.T.: 14.079 min
Delta R.T.: -0.017 min
Response: 2490544
Conc: 20.44 ug/ml

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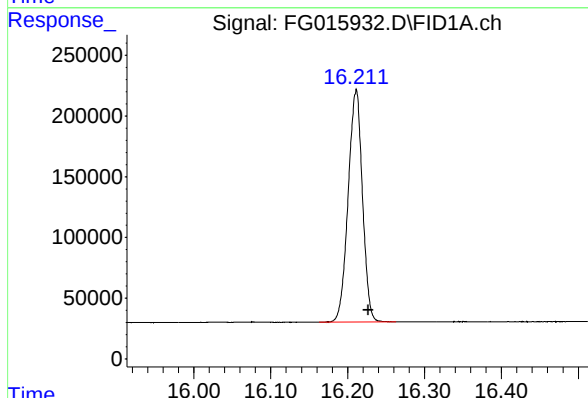
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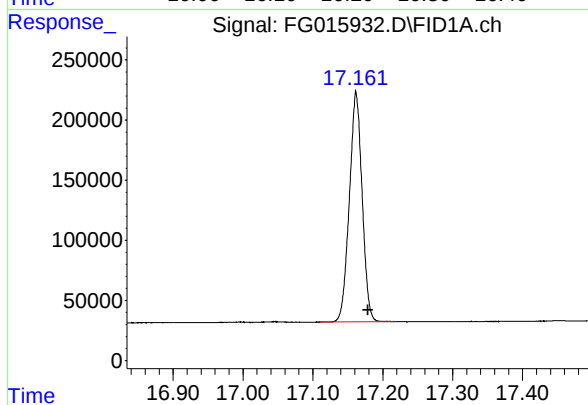
#14 n-Tetracosane (C24)

R.T.: 15.185 min
Delta R.T.: -0.017 min
Response: 2506518
Conc: 20.69 ug/ml



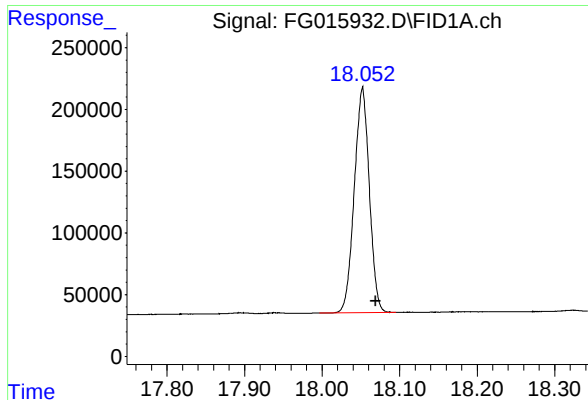
#15 n-Hexacosane (C26)

R.T.: 16.211 min
Delta R.T.: -0.016 min
Response: 2461693
Conc: 20.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.162 min
Delta R.T.: -0.017 min
Response: 2427115
Conc: 20.58 ug/ml



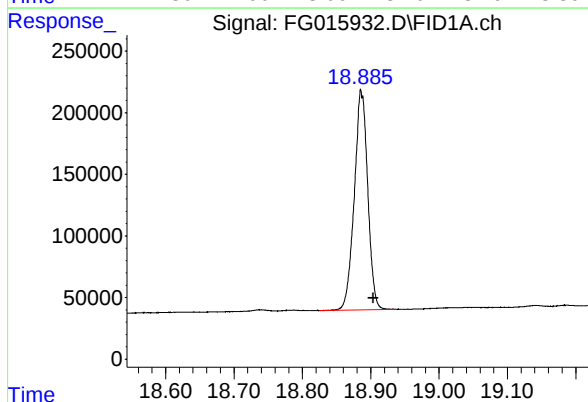
#17 n-Tricontane (C30)

R.T.: 18.052 min
Delta R.T.: -0.017 min
Response: 2455322
Conc: 20.66 ug/ml

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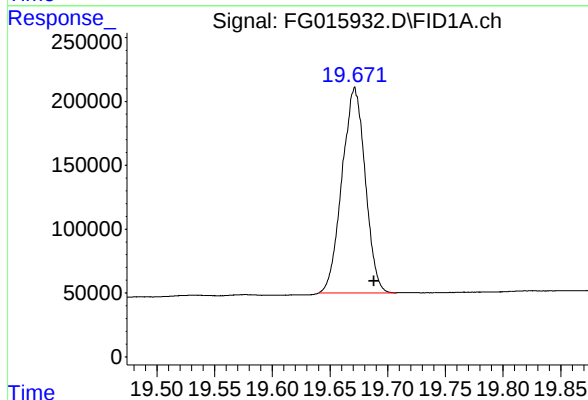
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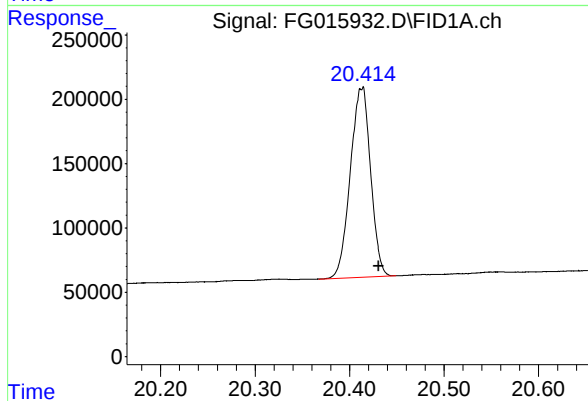
#18 n-Dotriacontane (C32)

R.T.: 18.886 min
Delta R.T.: -0.017 min
Response: 2438812
Conc: 20.65 ug/ml



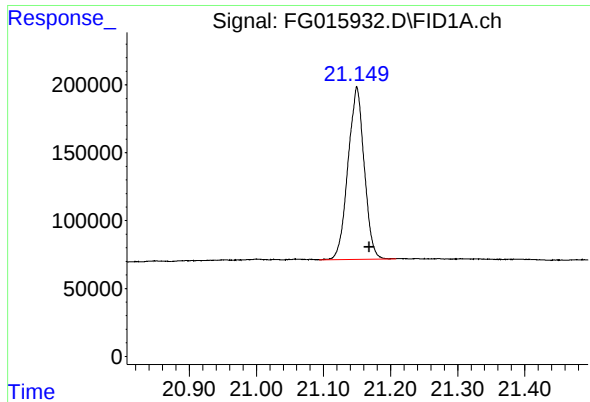
#19 n-Tetratriacontane (C34)

R.T.: 19.671 min
Delta R.T.: -0.017 min
Response: 2248317
Conc: 20.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.414 min
Delta R.T.: -0.016 min
Response: 2203833
Conc: 20.38 ug/ml m



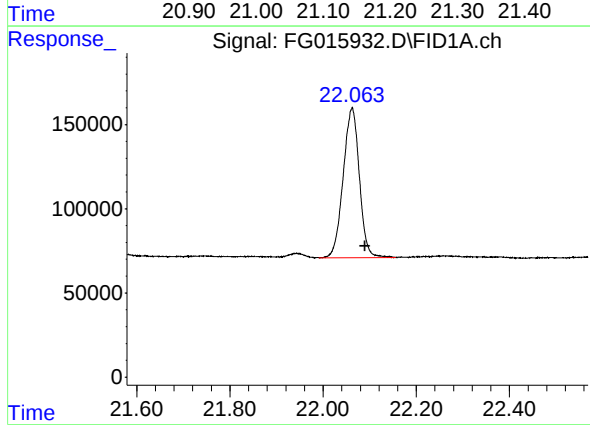
#21 n-Octatriacontane (C38)

R.T.: 21.149 min
Delta R.T.: -0.019 min
Response: 2130020
Conc: 20.51 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.062 min
Delta R.T.: -0.027 min
Response: 2144102
Conc: 21.03 ug/ml