

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060625AL\
 Data File : FG015983.D
 Signal(s) : FID1A.ch
 Acq On : 07 Jun 2025 01:27
 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 06/09/2025
 Supervised By :mohammad ahmed 06/10/2025

Integration File: autoint1.e
 Quant Time: Jun 07 01:37:39 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)	11.875	2705507	18.171 ug/ml
Spiked Amount 50.000		Recovery =	36.34%
12) S 1-chlorooctadecane (S...	13.320	2069964	17.968 ug/ml
Spiked Amount 50.000		Recovery =	35.94%
Target Compounds			
1) T n-Nonane (C9)	3.218	2015896	17.968 ug/ml
2) T n-Decane (C10)	4.480	2062410	18.229 ug/ml
3) T A~Naphthalene (C11.7)	6.195	2125353	18.179 ug/ml
4) T n-Dodecane (C12)	6.662	2136350	18.540 ug/ml
5) T A~2-methylnaphthalene...	7.298	2046134	17.914 ug/ml
6) T n-Tetradecane (C14)	8.498	2161566	18.766 ug/ml
7) T n-Hexadecane (C16)	10.112	2214857	18.728 ug/ml
8) T n-Octadecane (C18)	11.560	2261694	18.606 ug/ml
10) T n-Eicosane (C20)	12.874	2265866	18.489 ug/ml
11) T n-Heneicosane (C21)	13.488	2230590	18.211 ug/ml
13) T n-Docosane (C22)	14.076	2273663	18.662 ug/ml
14) T n-Tetracosane (C24)	15.183	2349531	19.398 ug/ml
15) T n-Hexacosane (C26)	16.208	2375368	19.843 ug/ml
16) T n-Octacosane (C28)	17.160	2387337	20.247 ug/ml
17) T n-Tricontane (C30)	18.050	2429746	20.448 ug/ml
18) T n-Dotriacontane (C32)	18.887	2393811	20.266 ug/ml
19) T n-Tetratriacontane (C34)	19.669	2199334	19.696 ug/ml
20) T n-Hexatriacontane (C36)	20.411	2133822	19.733 ug/ml
21) T n-Octatriacontane (C38)	21.148	2168773	20.878 ug/ml
22) T n-Tetracontane (C40)	22.057	2060476	20.205 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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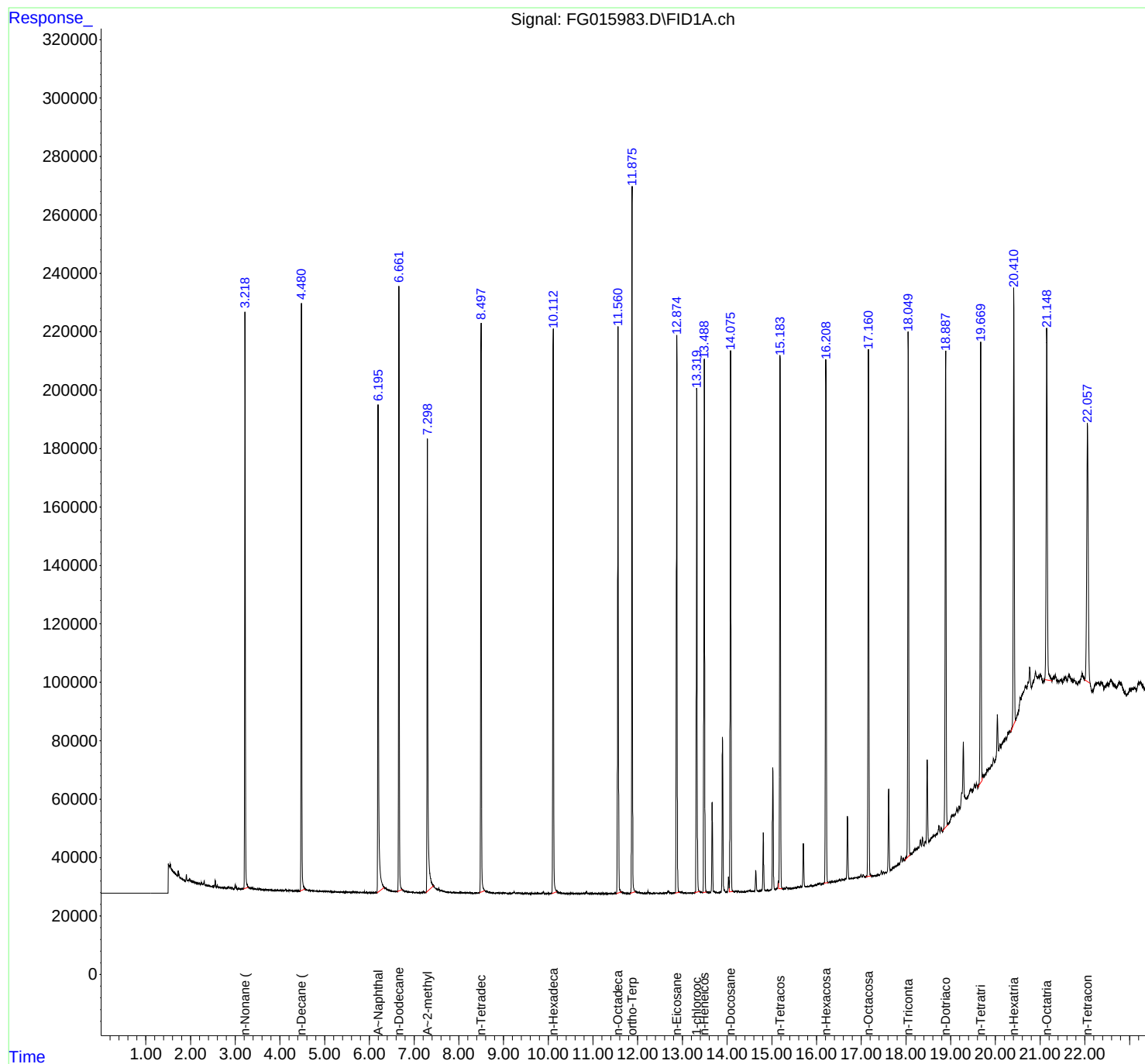
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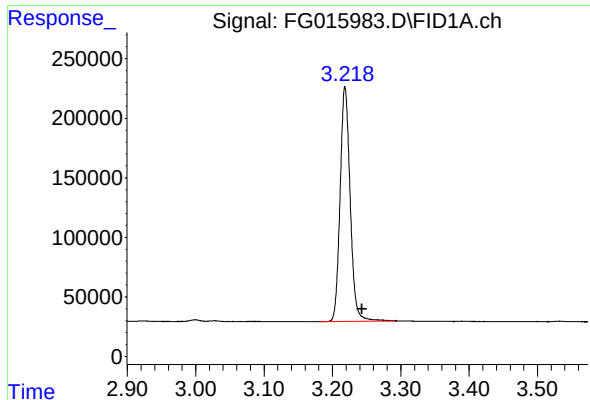
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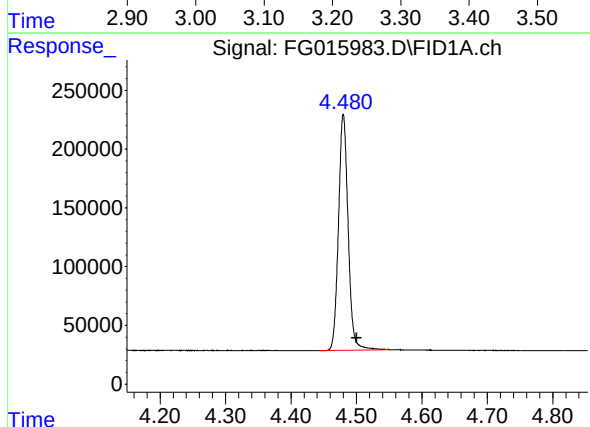
#1 n-Nonane (C9)

R.T.: 3.218 min
Delta R.T.: -0.025 min
Response: 2015896
Conc: 17.97 ug/ml

Instrument :
FID_G
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20 PPM ALIPHATIC HC STD

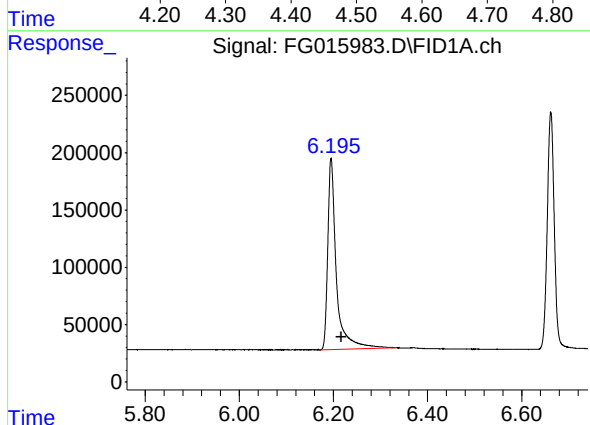
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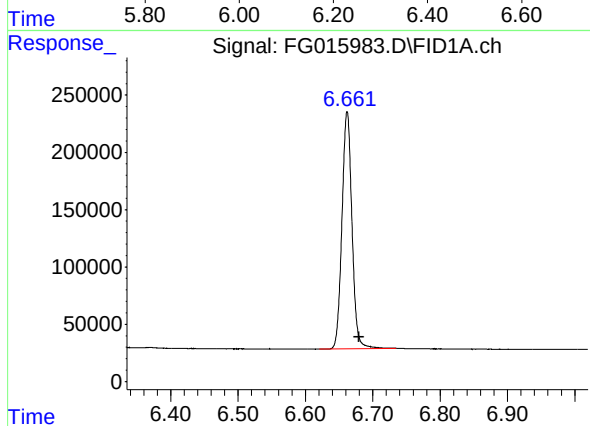
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.020 min
Response: 2062410
Conc: 18.23 ug/ml



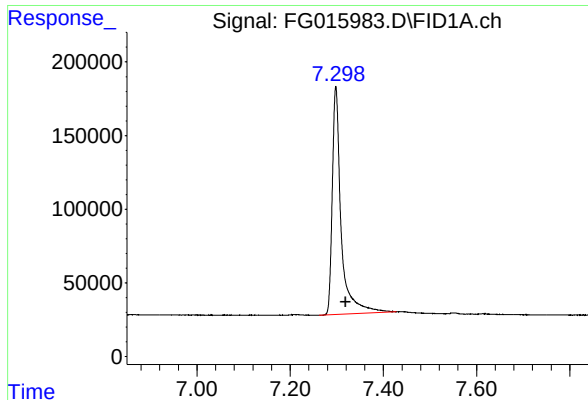
#3 A~Naphthalene (C11.7)

R.T.: 6.195 min
Delta R.T.: -0.021 min
Response: 2125353
Conc: 18.18 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.662 min
Delta R.T.: -0.018 min
Response: 2136350
Conc: 18.54 ug/ml



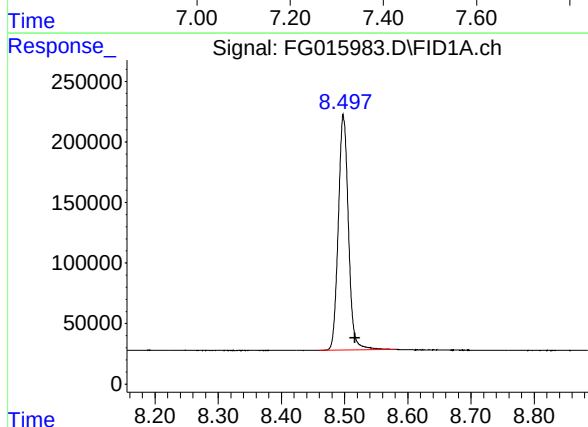
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.298 min
Delta R.T.: -0.021 min
Response: 2046134
Conc: 17.91 ug/ml

Instrument :
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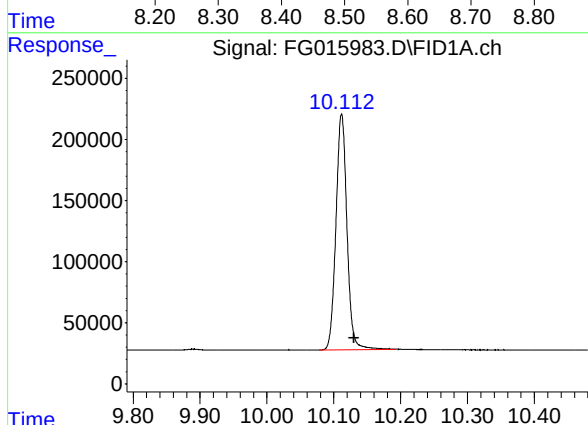
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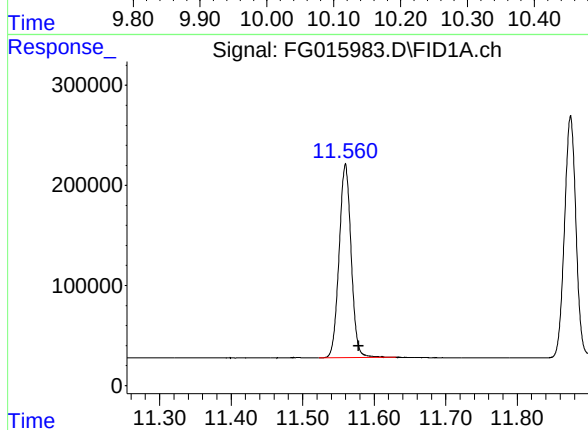
#6 n-Tetradecane (C14)

R.T.: 8.498 min
Delta R.T.: -0.018 min
Response: 2161566
Conc: 18.77 ug/ml



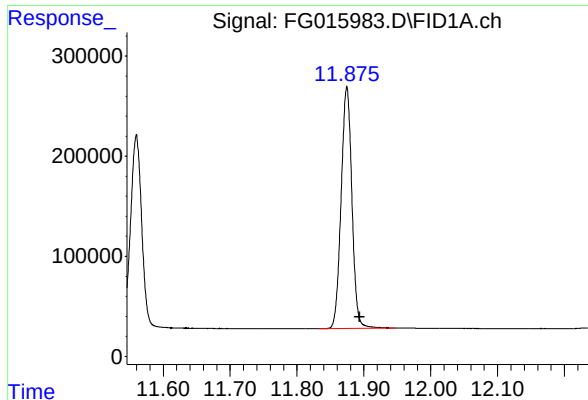
#7 n-Hexadecane (C16)

R.T.: 10.112 min
Delta R.T.: -0.019 min
Response: 2214857
Conc: 18.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.560 min
Delta R.T.: -0.018 min
Response: 2261694
Conc: 18.61 ug/ml



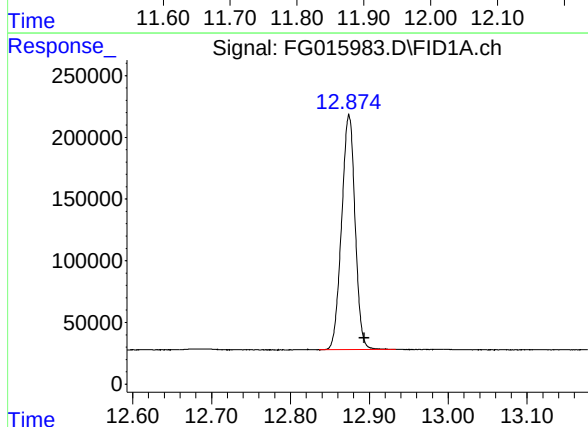
#9 ortho-Terphenyl (SURR)

R.T.: 11.875 min
Delta R.T.: -0.019 min
Response: 2705507
Conc: 18.17 ug/ml

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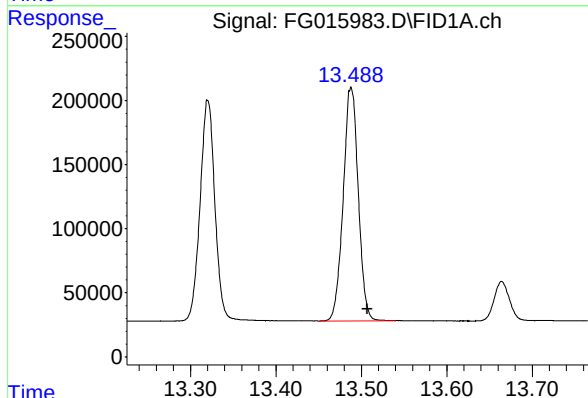
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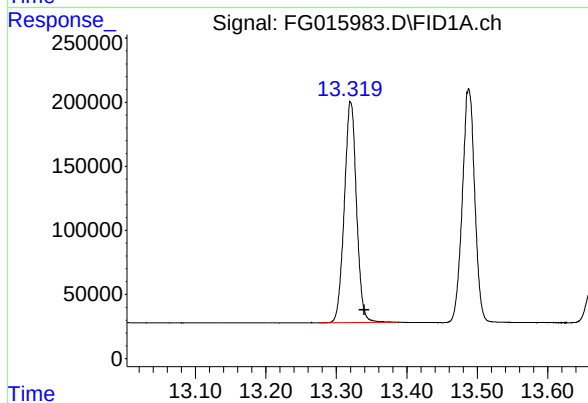
#10 n-Eicosane (C20)

R.T.: 12.874 min
Delta R.T.: -0.019 min
Response: 2265866
Conc: 18.49 ug/ml



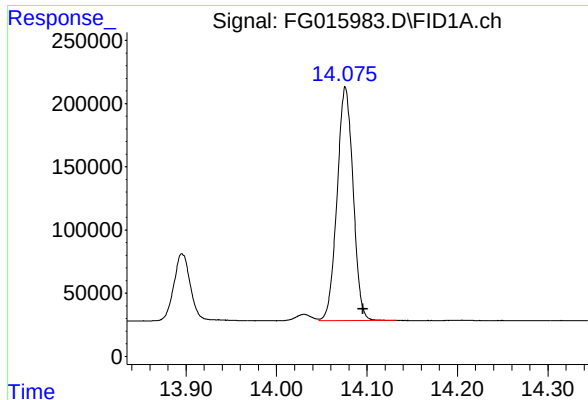
#11 n-Heneicosane (C21)

R.T.: 13.488 min
Delta R.T.: -0.019 min
Response: 2230590
Conc: 18.21 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.320 min
Delta R.T.: -0.019 min
Response: 2069964
Conc: 17.97 ug/ml



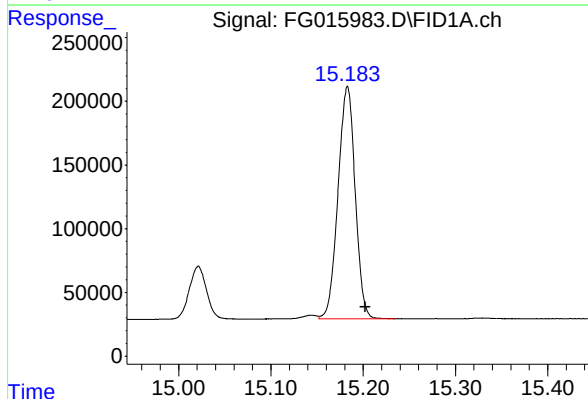
#13 n-Docosane (C22)

R.T.: 14.076 min
Delta R.T.: -0.020 min
Response: 2273663
Conc: 18.66 ug/ml

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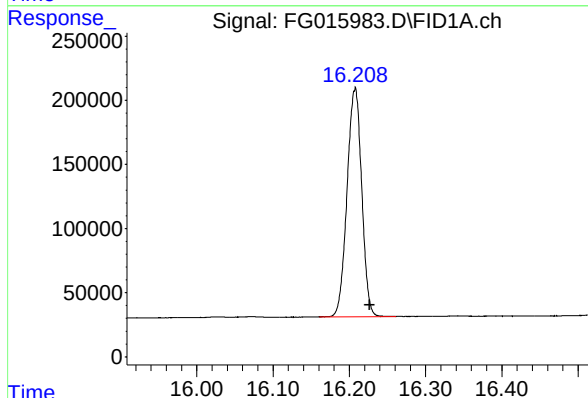
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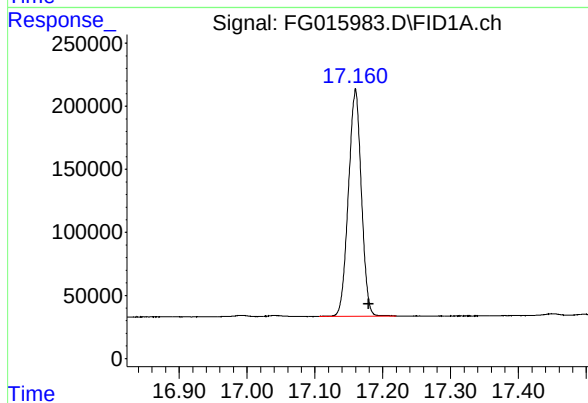
#14 n-Tetracosane (C24)

R.T.: 15.183 min
Delta R.T.: -0.019 min
Response: 2349531
Conc: 19.40 ug/ml



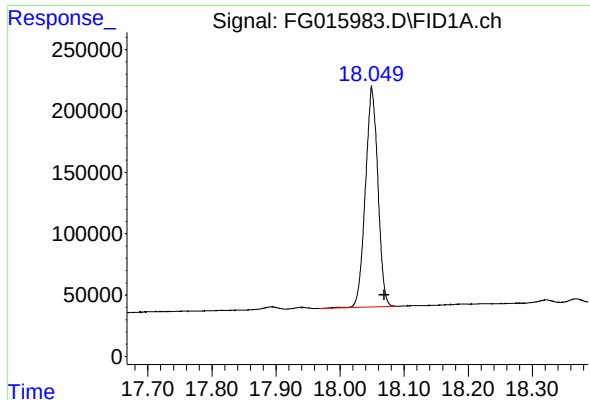
#15 n-Hexacosane (C26)

R.T.: 16.208 min
Delta R.T.: -0.019 min
Response: 2375368
Conc: 19.84 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.160 min
Delta R.T.: -0.019 min
Response: 2387337
Conc: 20.25 ug/ml



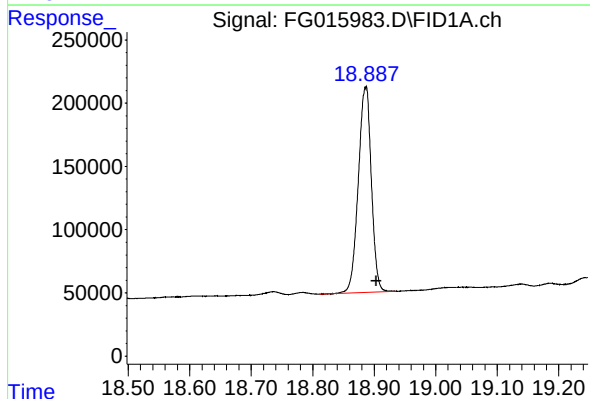
#17 n-Tricontane (C30)

R.T.: 18.050 min
Delta R.T.: -0.020 min
Response: 2429746
Conc: 20.45 ug/ml

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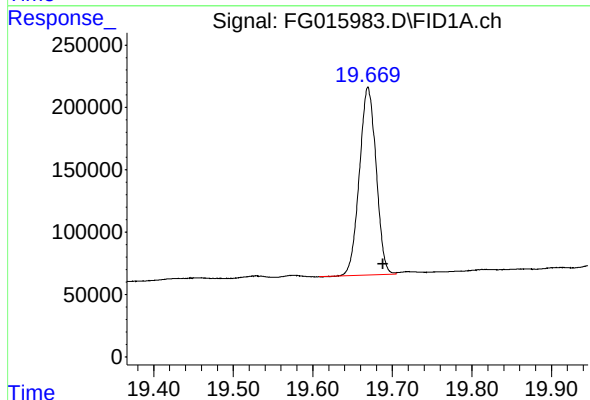
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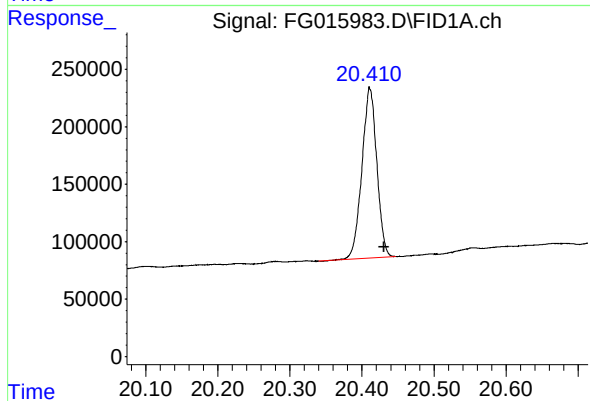
#18 n-Dotriacontane (C32)

R.T.: 18.887 min
Delta R.T.: -0.017 min
Response: 2393811
Conc: 20.27 ug/ml



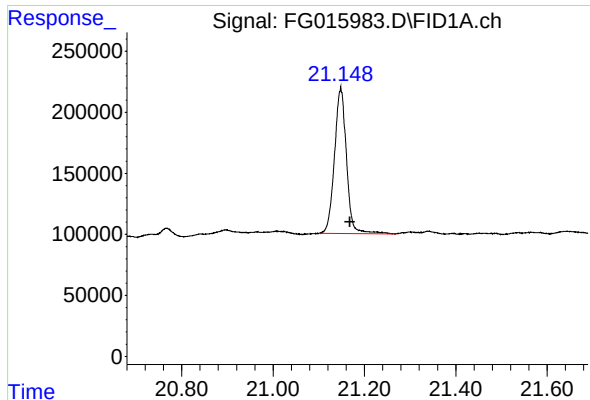
#19 n-Tetatriacontane (C34)

R.T.: 19.669 min
Delta R.T.: -0.019 min
Response: 2199334
Conc: 19.70 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.411 min
Delta R.T.: -0.020 min
Response: 2133822
Conc: 19.73 ug/ml



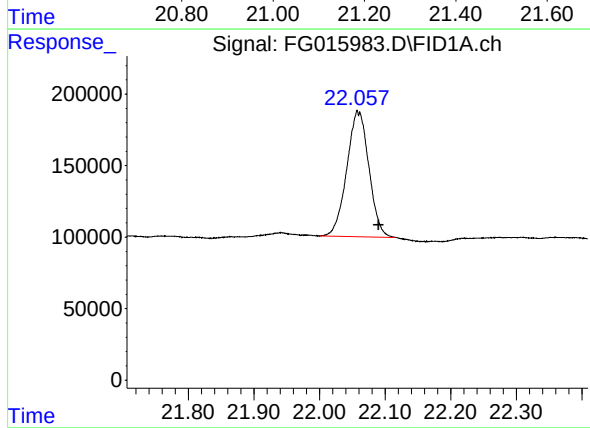
#21 n-Octatriacontane (C38)

R.T.: 21.148 min
Delta R.T.: -0.020 min
Response: 2168773
Conc: 20.88 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.057 min
Delta R.T.: -0.033 min
Response: 2060476
Conc: 20.21 ug/ml m