

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060925AL\
 Data File : FG015993.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jun 2025 14:13
 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 06/10/2025
 Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
 Quant Time: Jun 10 01:21:24 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	3264232	21.924 ug/ml
Spiked Amount 50.000		Recovery =	43.85%
12) S 1-chlorooctadecane (S...	13.320	2506723	21.760 ug/ml
Spiked Amount 50.000		Recovery =	43.52%
Target Compounds			
1) T n-Nonane (C9)	3.217	2368497	21.110 ug/ml
2) T n-Decane (C10)	4.479	2452990	21.681 ug/ml
3) T A~Naphthalene (C11.7)	6.194	2554074	21.847 ug/ml
4) T n-Dodecane (C12)	6.661	2538802	22.033 ug/ml
5) T A~2-methylnaphthalene...	7.297	2531995	22.168 ug/ml
6) T n-Tetradecane (C14)	8.498	2561870	22.242 ug/ml
7) T n-Hexadecane (C16)	10.111	2641063	22.331 ug/ml
8) T n-Octadecane (C18)	11.560	2714478	22.331 ug/ml
10) T n-Eicosane (C20)	12.874	2718498	22.182 ug/ml
11) T n-Heneicosane (C21)	13.488	2692830	21.985 ug/ml
13) T n-Docosane (C22)	14.076	2701410	22.172 ug/ml
14) T n-Tetracosane (C24)	15.183	2720446	22.460 ug/ml
15) T n-Hexacosane (C26)	16.207	2675143	22.347 ug/ml
16) T n-Octacosane (C28)	17.159	2671215	22.654 ug/ml
17) T n-Tricontane (C30)	18.049	2765446	23.273 ug/ml
18) T n-Dotriacontane (C32)	18.884	2790876	23.628 ug/ml
19) T n-Tetratriacontane (C34)	19.669	2628837	23.542 ug/ml
20) T n-Hexatriacontane (C36)	20.412	2509940	23.211 ug/ml
21) T n-Octatriacontane (C38)	21.147	2454159	23.626 ug/ml
22) T n-Tetracontane (C40)	22.061	2445049	23.976 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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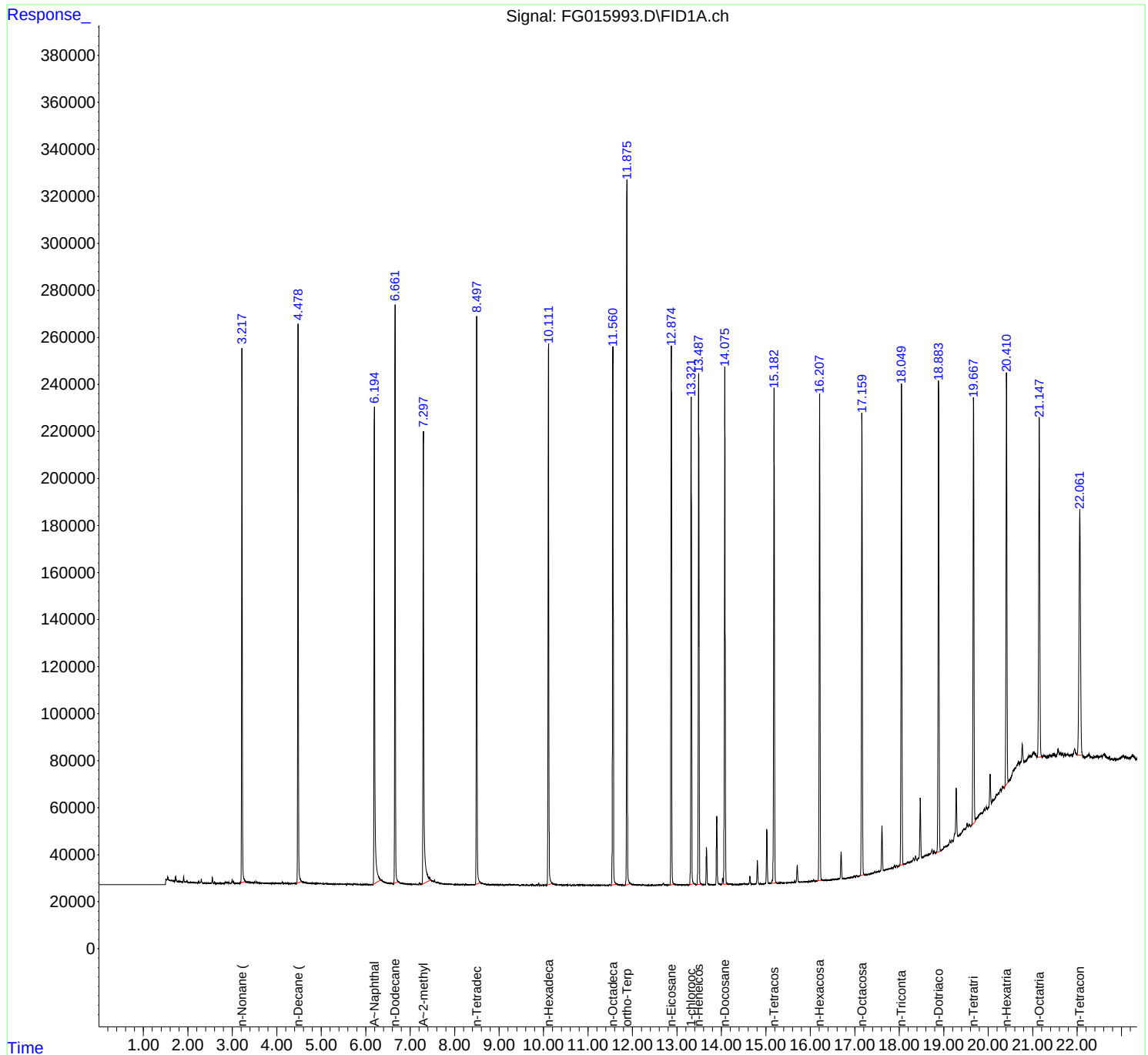
Instrument :
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20 PPM ALIPHATIC HC STD

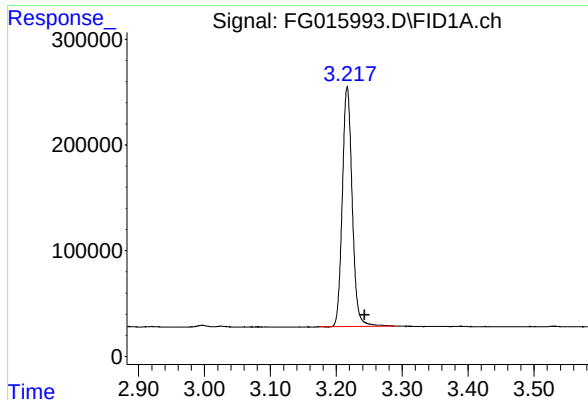
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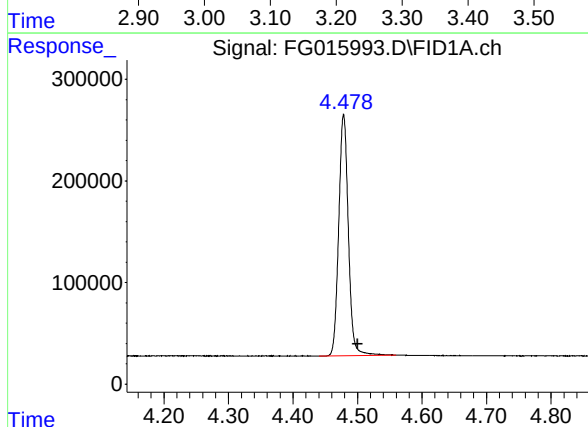
#1 n-Nonane (C9)

R.T.: 3.217 min
Delta R.T.: -0.026 min
Response: 2368497
Conc: 21.11 ug/ml

Instrument : FID_G
ClientSampleId : 20 PPM ALIPHATIC HC STD

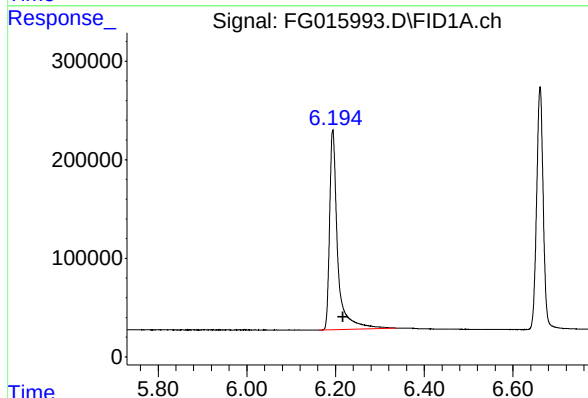
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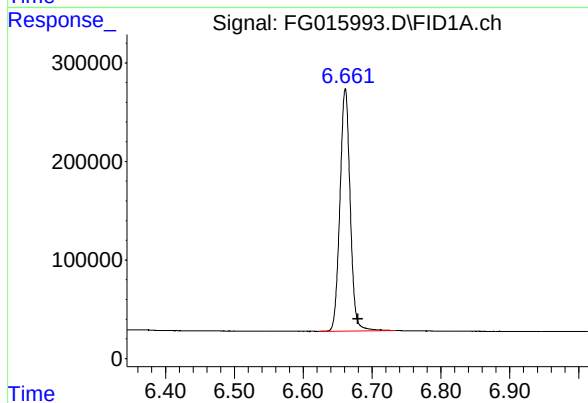
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.022 min
Response: 2452990
Conc: 21.68 ug/ml



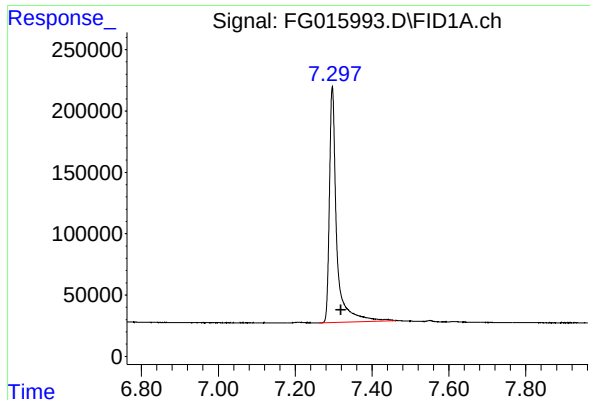
#3 A~Naphthalene (C11.7)

R.T.: 6.194 min
Delta R.T.: -0.023 min
Response: 2554074
Conc: 21.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.661 min
Delta R.T.: -0.019 min
Response: 2538802
Conc: 22.03 ug/ml



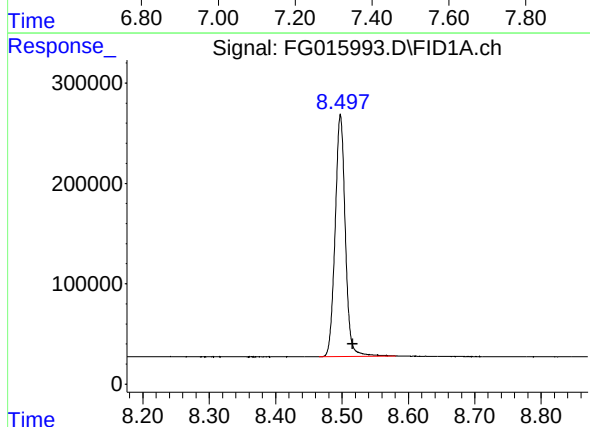
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.297 min
Delta R.T.: -0.023 min
Response: 2531995
Conc: 22.17 ug/ml

Instrument :
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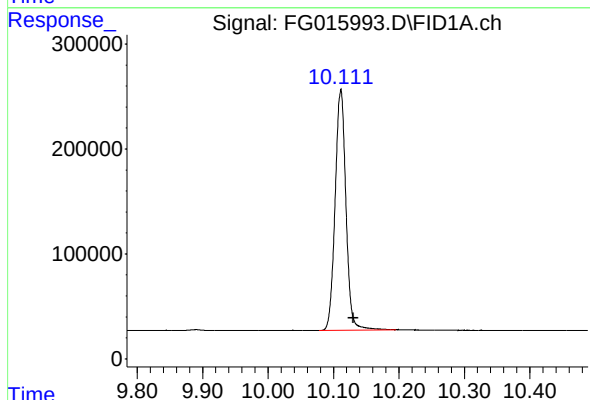
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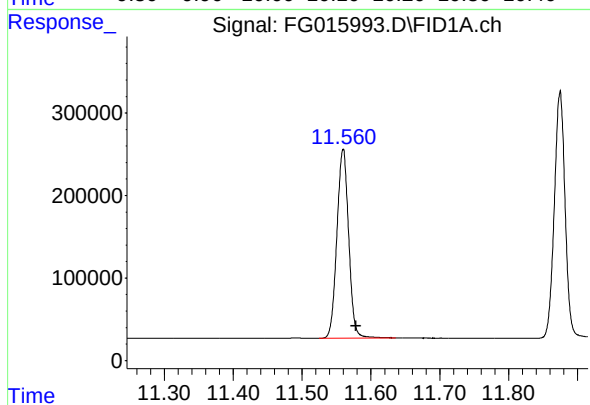
#6 n-Tetradecane (C14)

R.T.: 8.498 min
Delta R.T.: -0.019 min
Response: 2561870
Conc: 22.24 ug/ml



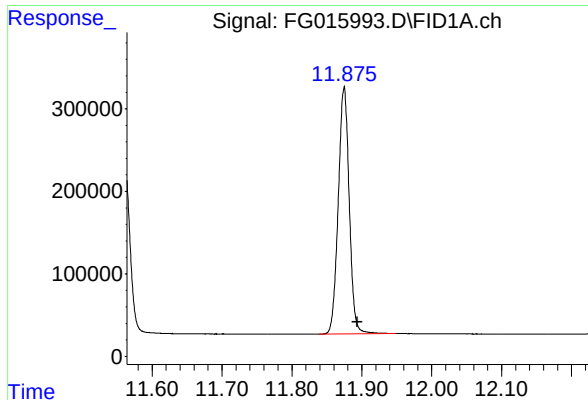
#7 n-Hexadecane (C16)

R.T.: 10.111 min
Delta R.T.: -0.019 min
Response: 2641063
Conc: 22.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.560 min
Delta R.T.: -0.019 min
Response: 2714478
Conc: 22.33 ug/ml



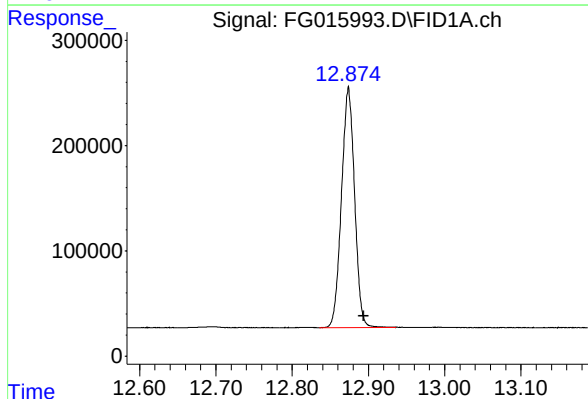
#9 ortho-Terphenyl (SURR)

R.T.: 11.875 min
Delta R.T.: -0.019 min
Response: 3264232
Conc: 21.92 ug/ml

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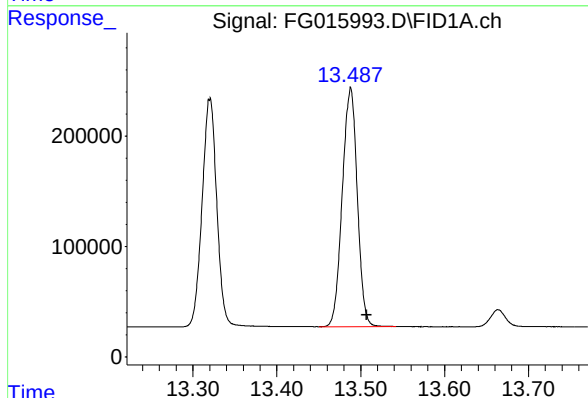
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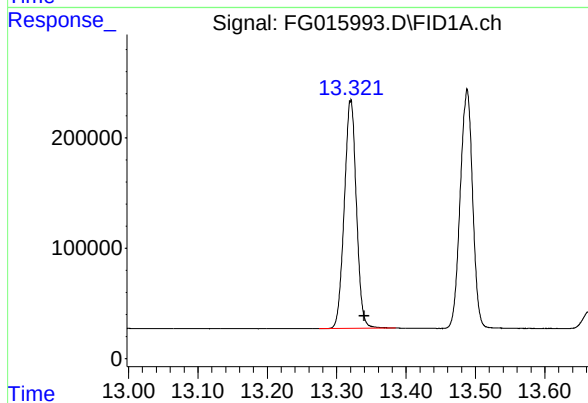
#10 n-Eicosane (C20)

R.T.: 12.874 min
Delta R.T.: -0.020 min
Response: 2718498
Conc: 22.18 ug/ml



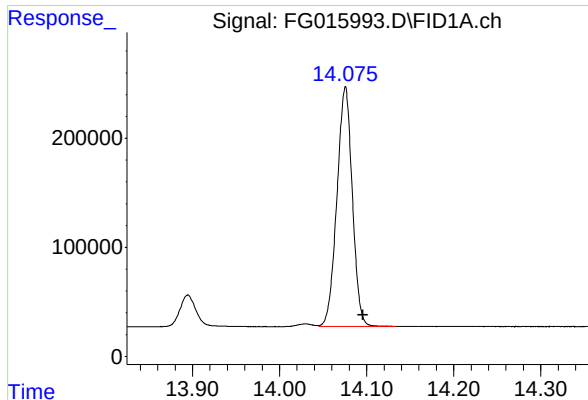
#11 n-Heneicosane (C21)

R.T.: 13.488 min
Delta R.T.: -0.019 min
Response: 2692830
Conc: 21.98 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.320 min
Delta R.T.: -0.019 min
Response: 2506723
Conc: 21.76 ug/ml



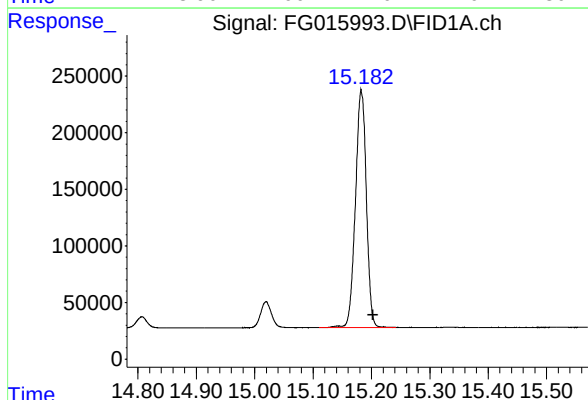
#13 n-Docosane (C22)

R.T.: 14.076 min
Delta R.T.: -0.020 min
Response: 2701410
Conc: 22.17 ug/ml

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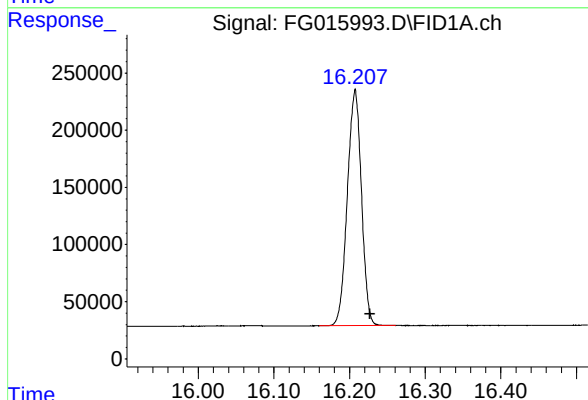
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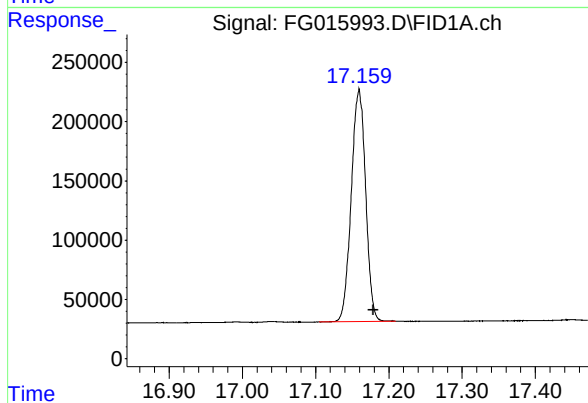
#14 n-Tetracosane (C24)

R.T.: 15.183 min
Delta R.T.: -0.020 min
Response: 2720446
Conc: 22.46 ug/ml



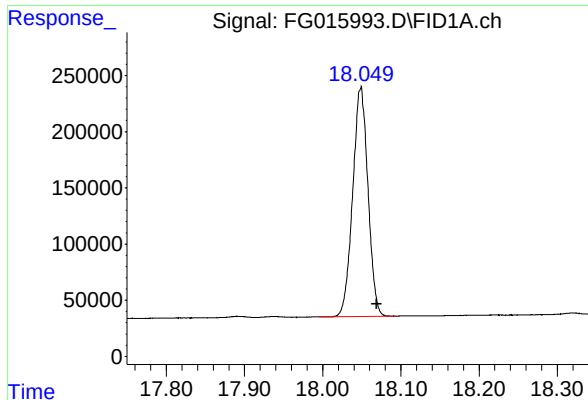
#15 n-Hexacosane (C26)

R.T.: 16.207 min
Delta R.T.: -0.019 min
Response: 2675143
Conc: 22.35 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.159 min
Delta R.T.: -0.020 min
Response: 2671215
Conc: 22.65 ug/ml



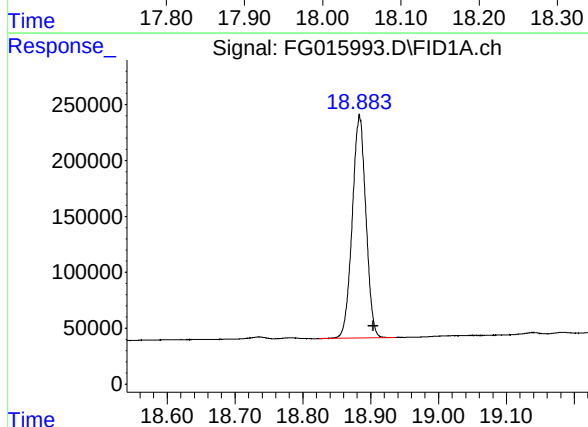
#17 n-Tricontane (C30)

R.T.: 18.049 min
Delta R.T.: -0.021 min
Response: 2765446
Conc: 23.27 ug/ml

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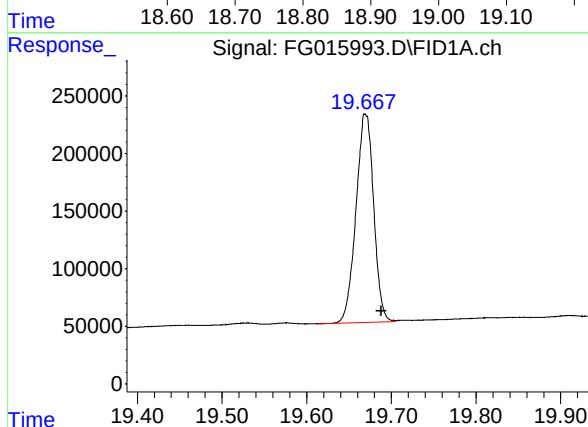
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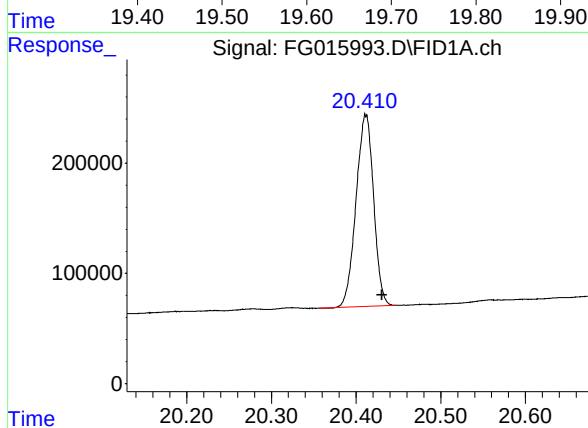
#18 n-Dotriacontane (C32)

R.T.: 18.884 min
Delta R.T.: -0.020 min
Response: 2790876
Conc: 23.63 ug/ml



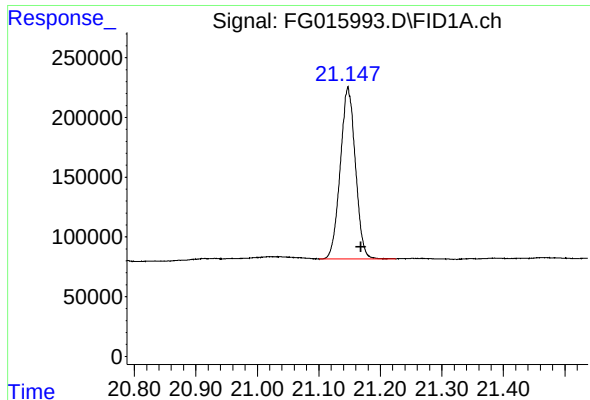
#19 n-Tetratriacontane (C34)

R.T.: 19.669 min
Delta R.T.: -0.019 min
Response: 2628837
Conc: 23.54 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.412 min
Delta R.T.: -0.019 min
Response: 2509940
Conc: 23.21 ug/ml



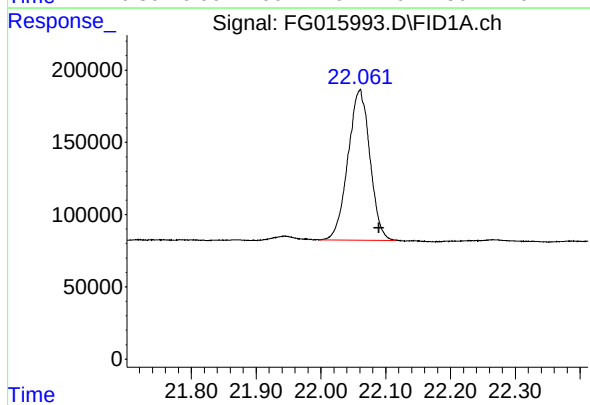
#21 n-Octatriacontane (C38)

R.T.: 21.147 min
Delta R.T.: -0.021 min
Response: 2454159
Conc: 23.63 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.061 min
Delta R.T.: -0.029 min
Response: 2445049
Conc: 23.98 ug/ml m