

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111224AL\
 Data File : FG014744.D
 Signal(s) : FID1A.ch
 Acq On : 12 Nov 2024 12:35
 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 11/13/2024
 Supervised By :Ankita Jodhani 11/13/2024

Integration File: autoint1.e
 Quant Time: Nov 13 01:47:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 22 06:49:54 2024
 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)	11.951	3156036	20.592 ug/ml
Spiked Amount 50.000		Recovery =	41.18%
12) S 1-chlorooctadecane (S...	13.390	2424197	19.742 ug/ml
Spiked Amount 50.000		Recovery =	39.48%
Target Compounds			
1) T n-Nonane (C9)	3.323	2791436	21.570 ug/ml
2) T n-Decane (C10)	4.573	2869293	21.775 ug/ml
3) T A~Naphthalene (C11.7)	6.277	3073012	21.422 ug/ml
4) T n-Dodecane (C12)	6.743	2896185	21.802 ug/ml
5) T A~2-methylnaphthalene...	7.375	2970985	21.296 ug/ml
6) T n-Tetradecane (C14)	8.575	2882370	21.724 ug/ml
7) T n-Hexadecane (C16)	10.187	2979321	21.440 ug/ml
8) T n-Octadecane (C18)	11.633	3004907	20.990 ug/ml
10) T n-Eicosane (C20)	12.946	2880994	20.487 ug/ml
11) T n-Heneicosane (C21)	13.558	2816785	20.125 ug/ml
13) T n-Docosane (C22)	14.146	2806915	19.954 ug/ml
14) T n-Tetracosane (C24)	15.251	2805489	19.716 ug/ml
15) T n-Hexacosane (C26)	16.272	2719037	19.263 ug/ml
16) T n-Octacosane (C28)	17.224	2666787	19.296 ug/ml
17) T n-Tricontane (C30)	18.113	2748376	19.829 ug/ml
18) T n-Dotriacontane (C32)	18.946	2656369	20.289 ug/ml
19) T n-Tetratriacontane (C34)	19.729	2262239	20.211 ug/ml
20) T n-Hexatriacontane (C36)	20.468	1903856	20.455 ug/ml
21) T n-Octatriacontane (C38)	21.216	1761236	21.080 ug/mlm
22) T n-Tetracontane (C40)	22.156	1680890	22.104 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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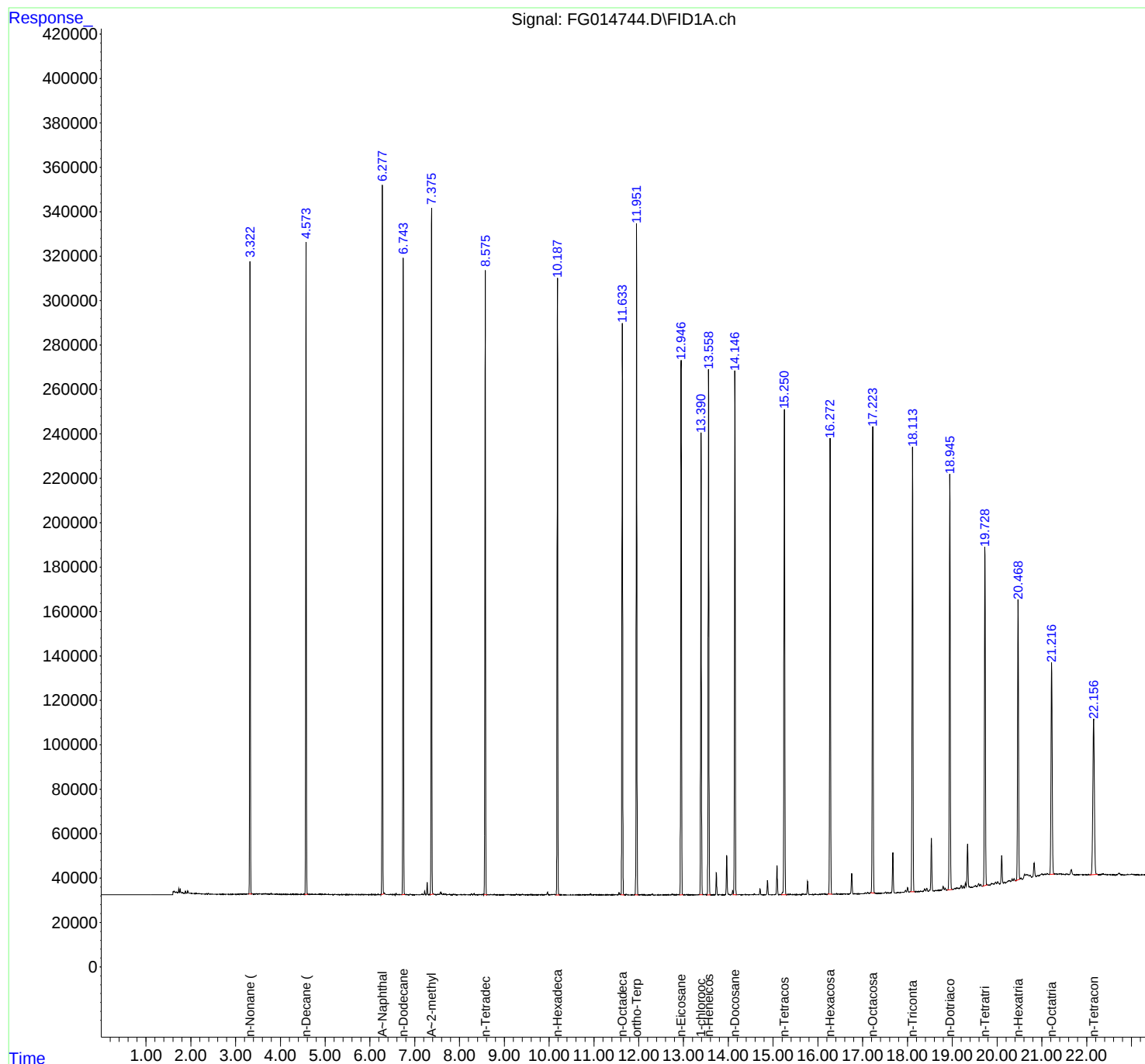
Instrument :
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20 PPM ALIPHATIC HC STD

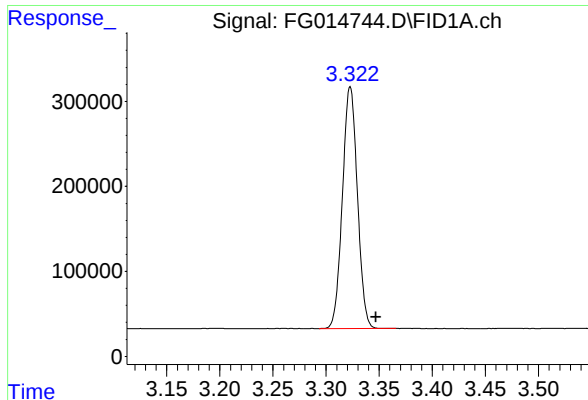
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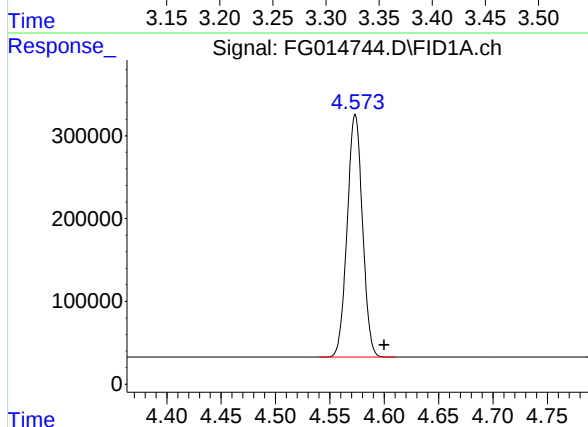
#1 n-Nonane (C9)

R.T.: 3.323 min
Delta R.T.: -0.024 min
Response: 2791436
Conc: 21.57 ug/ml

Instrument :
FID_G
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20 PPM ALIPHATIC HC STD

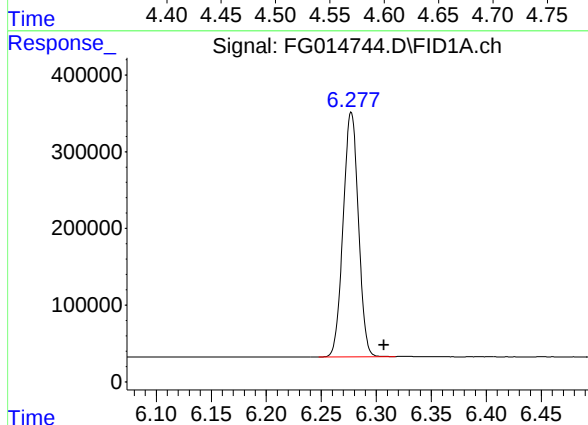
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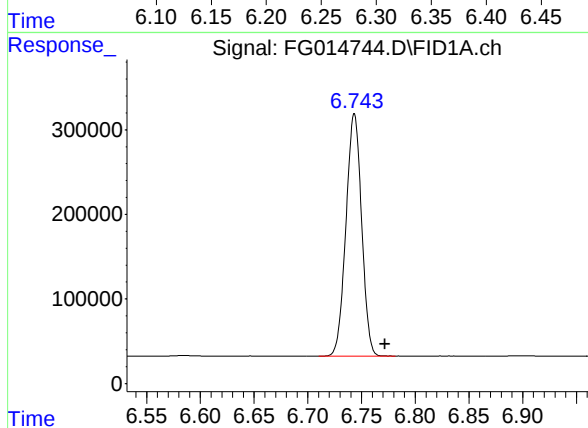
#2 n-Decane (C10)

R.T.: 4.573 min
Delta R.T.: -0.027 min
Response: 2869293
Conc: 21.78 ug/ml



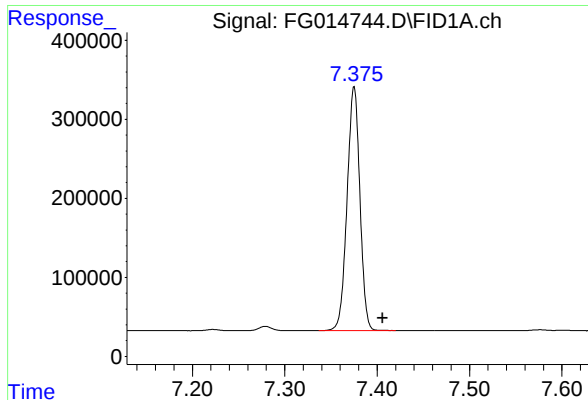
#3 A~Naphthalene (C11.7)

R.T.: 6.277 min
Delta R.T.: -0.030 min
Response: 3073012
Conc: 21.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.743 min
Delta R.T.: -0.029 min
Response: 2896185
Conc: 21.80 ug/ml



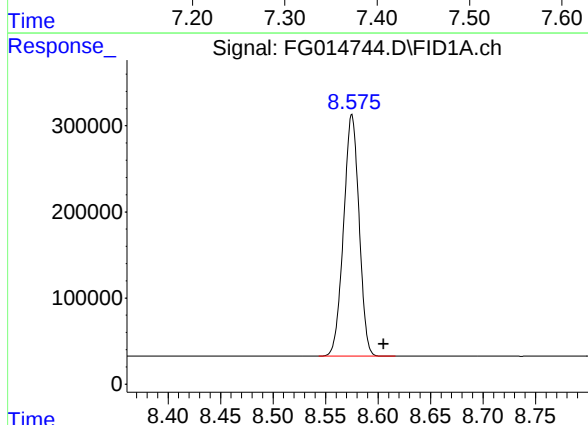
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.375 min
Delta R.T.: -0.031 min
Response: 2970985
Conc: 21.30 ug/ml

Instrument :
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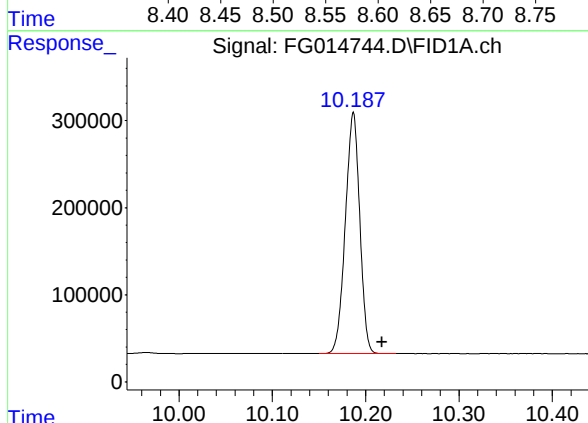
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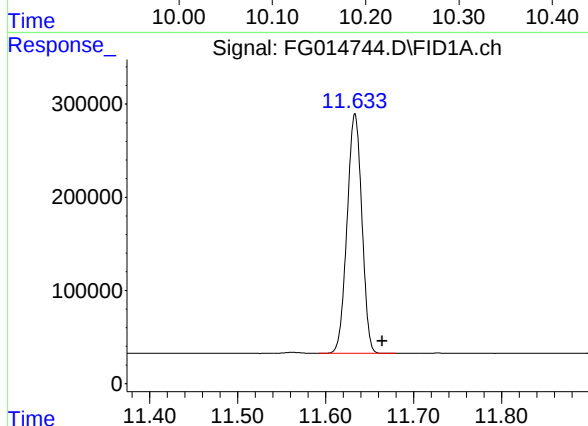
#6 n-Tetradecane (C14)

R.T.: 8.575 min
Delta R.T.: -0.030 min
Response: 2882370
Conc: 21.72 ug/ml



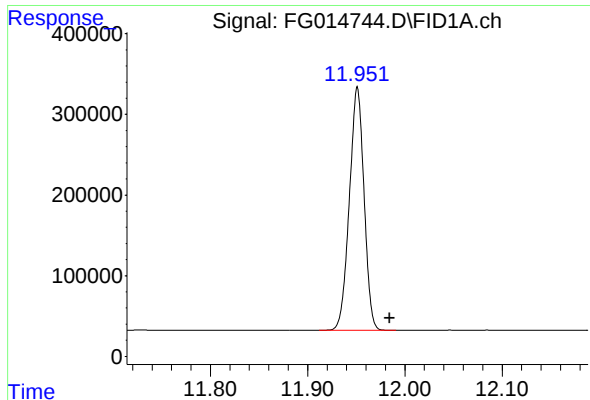
#7 n-Hexadecane (C16)

R.T.: 10.187 min
Delta R.T.: -0.031 min
Response: 2979321
Conc: 21.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.633 min
Delta R.T.: -0.031 min
Response: 3004907
Conc: 20.99 ug/ml



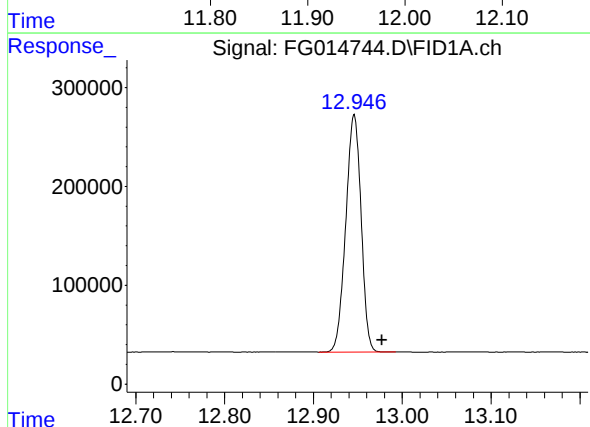
#9 ortho-Terphenyl (SURR)

R.T.: 11.951 min
Delta R.T.: -0.033 min
Response: 3156036
Conc: 20.59 ug/ml

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20 PPM ALIPHATIC HC STD

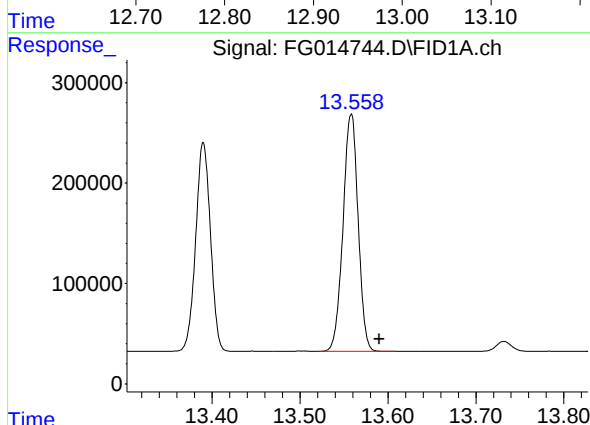
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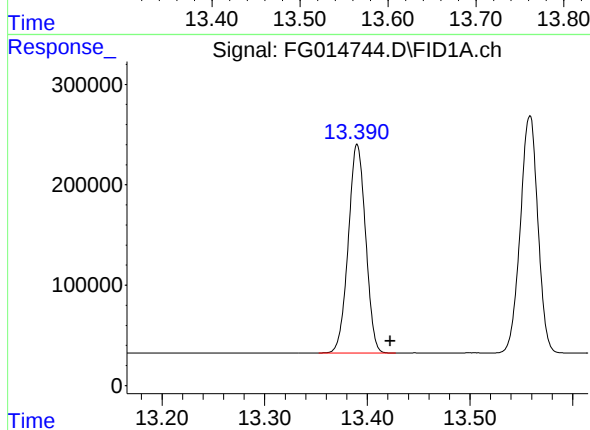
#10 n-Eicosane (C20)

R.T.: 12.946 min
Delta R.T.: -0.032 min
Response: 2880994
Conc: 20.49 ug/ml



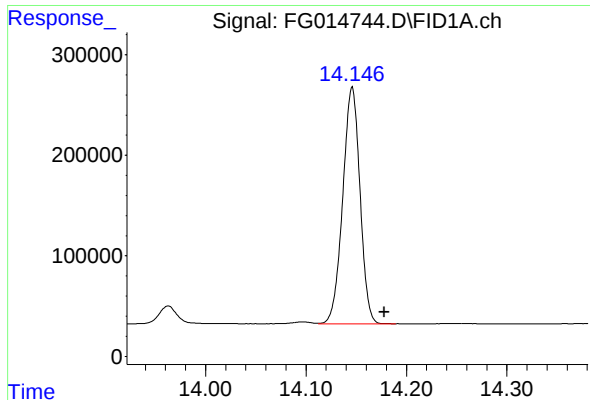
#11 n-Heneicosane (C21)

R.T.: 13.558 min
Delta R.T.: -0.032 min
Response: 2816785
Conc: 20.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.390 min
Delta R.T.: -0.033 min
Response: 2424197
Conc: 19.74 ug/ml



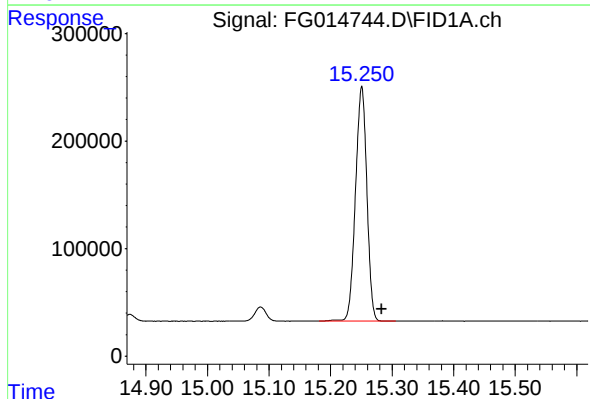
#13 n-Docosane (C22)

R.T.: 14.146 min
Delta R.T.: -0.032 min
Response: 2806915
Conc: 19.95 ug/ml

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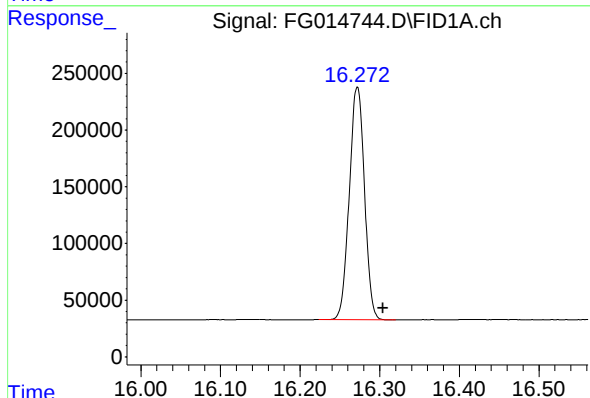
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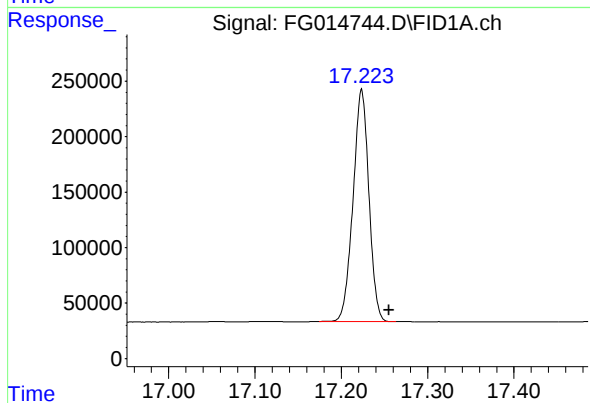
#14 n-Tetracosane (C24)

R.T.: 15.251 min
Delta R.T.: -0.033 min
Response: 2805489
Conc: 19.72 ug/ml



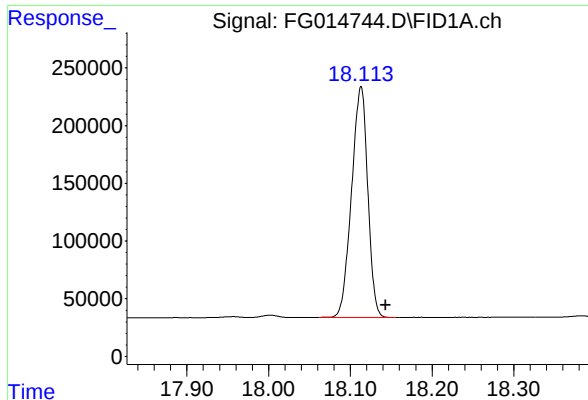
#15 n-Hexacosane (C26)

R.T.: 16.272 min
Delta R.T.: -0.032 min
Response: 2719037
Conc: 19.26 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.224 min
Delta R.T.: -0.032 min
Response: 2666787
Conc: 19.30 ug/ml



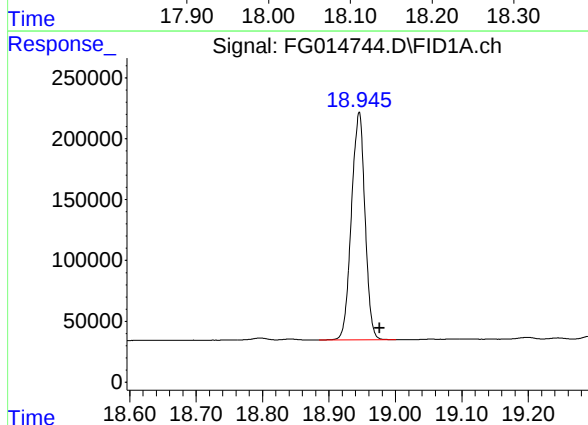
#17 n-Tricontane (C30)

R.T.: 18.113 min
Delta R.T.: -0.030 min
Response: 2748376
Conc: 19.83 ug/ml

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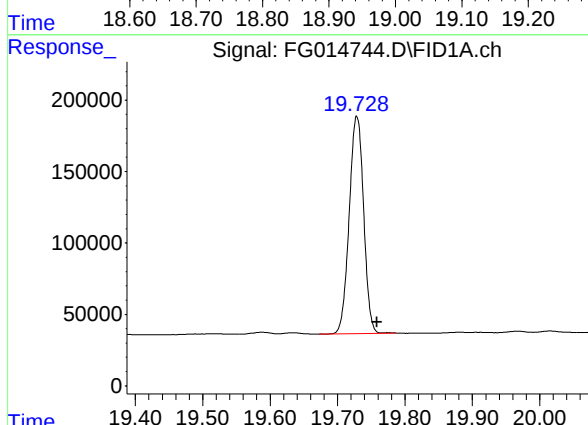
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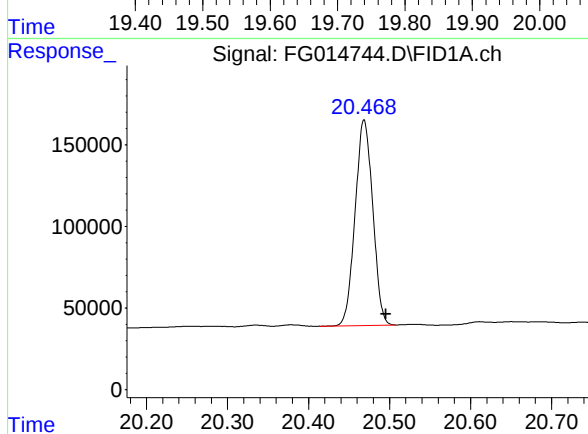
#18 n-Dotriacontane (C32)

R.T.: 18.946 min
Delta R.T.: -0.031 min
Response: 2656369
Conc: 20.29 ug/ml



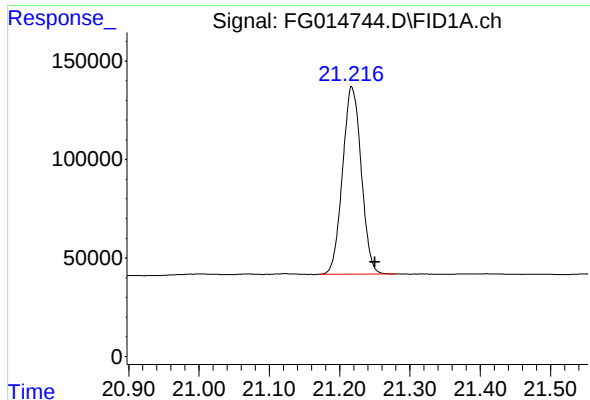
#19 n-Tetratriacontane (C34)

R.T.: 19.729 min
Delta R.T.: -0.030 min
Response: 2262239
Conc: 20.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.468 min
Delta R.T.: -0.027 min
Response: 1903856
Conc: 20.45 ug/ml



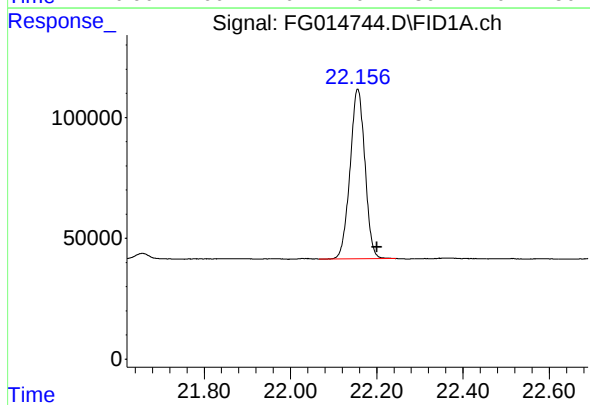
#21 n-Octatriacontane (C38)

R.T.: 21.216 min
Delta R.T.: -0.034 min
Response: 1761236
Conc: 21.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.156 min
Delta R.T.: -0.045 min
Response: 1680890
Conc: 22.10 ug/ml