

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD123021AL\
 Data File : FD040321.D
 Signal(s) : FID2B.CH
 Acq On : 31 Dec 2021 3:02
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/03/2022
 Supervised By :Ankita Jodhani 01/03/2022

Integration File: autoint1.e
 Quant Time: Jan 03 02:58:53 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 122821.M
 Quant Title : GC Extractables
 QLast Update : Wed Dec 29 02:26:30 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	10.693	2896096	18.590 ug/ml
Spiked Amount 50.000		Recovery =	37.18%
12) S 1-chlorooctadecane (S...	12.128	2210333	18.328 ug/ml
Spiked Amount 50.000		Recovery =	36.66%
Target Compounds			
1) T n-Nonane (C9)	2.627	2569191	19.578 ug/ml
2) T n-Decane (C10)	3.619	2598993	19.635 ug/ml
3) T A~Naphthalene (C11.7)	5.158	2839795	19.246 ug/ml
4) T n-Dodecane (C12)	5.591	2617407	19.708 ug/ml
5) T A~2-methylnaphthalene...	6.198	2845194	19.174 ug/ml
6) T n-Tetradecane (C14)	7.368	2670980	19.320 ug/ml
7) T n-Hexadecane (C16)	8.956	2668209	19.459 ug/ml
8) T n-Octadecane (C18)	10.387	2699091	19.113 ug/ml
10) T n-Eicosane (C20)	11.689	2624700	18.774 ug/ml
11) T n-Heneicosane (C21)	12.297	2623583	18.543 ug/ml
13) T n-Docosane (C22)	12.880	2570053	18.313 ug/ml
14) T n-Tetracosane (C24)	13.976	2503973	17.834 ug/ml
15) T n-Hexacosane (C26)	14.991	2400677	17.459 ug/ml
16) T n-Octacosane (C28)	15.937	2337567	17.184 ug/ml
17) T n-Tricontane (C30)	16.820	2261619	16.899 ug/ml
18) T n-Dotriacontane (C32)	17.648	2093480	16.173 ug/ml
19) T n-Tetratriacontane (C34)	18.427	1944395	16.037 ug/mlm
20) T n-Hexatriacontane (C36)	19.163	1804038	16.928 ug/mlm
21) T n-Octatriacontane (C38)	19.866	1717099	18.594 ug/mlm
22) T n-Tetracontane (C40)	20.689	1709212	21.951 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 50 Sample Multiplier: 1

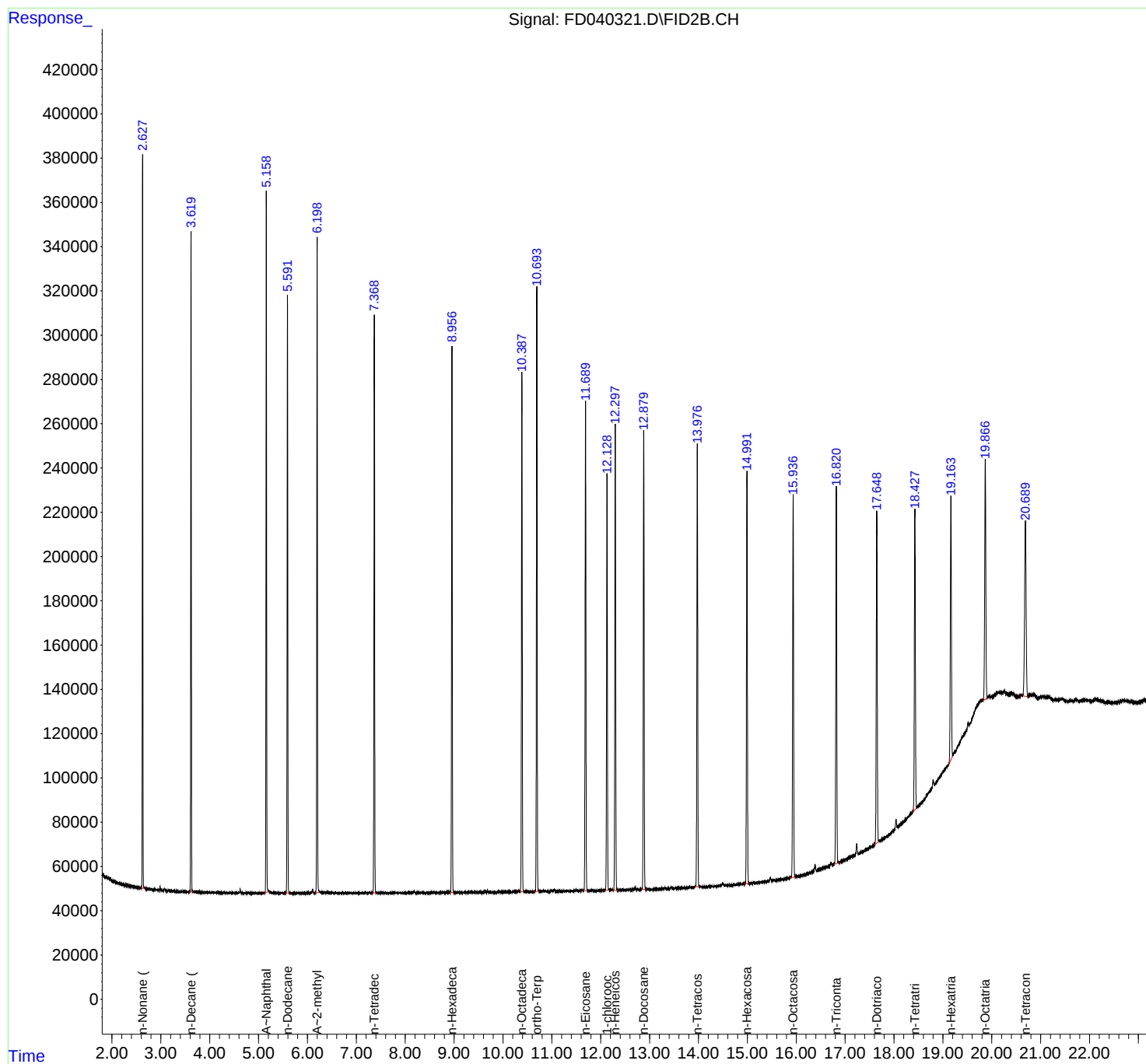
Instrument :
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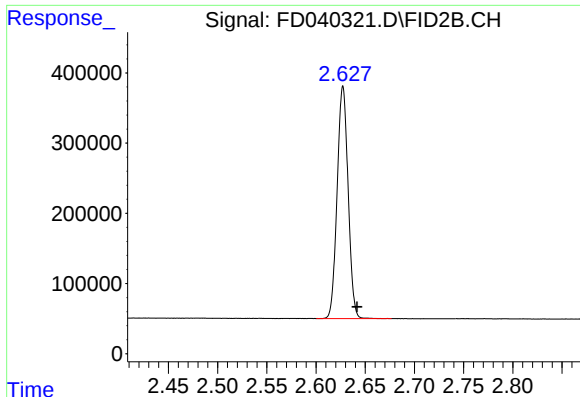
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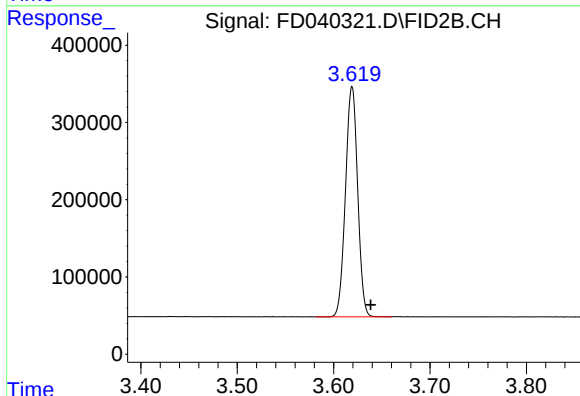
#1 n-Nonane (C9)

R.T.: 2.627 min
Delta R.T.: -0.015 min
Response: 2569191
Conc: 19.58 ug/ml

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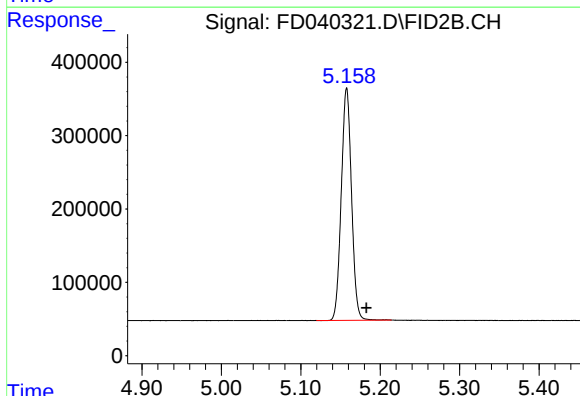
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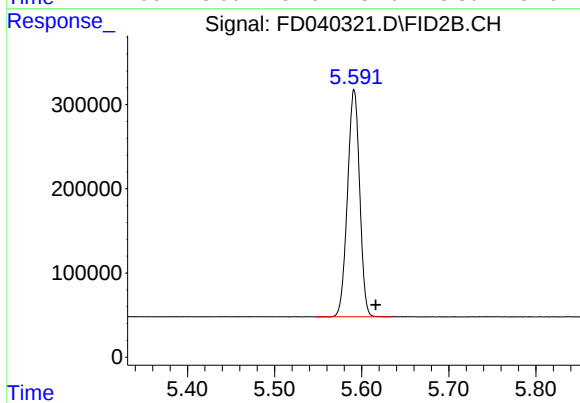
#2 n-Decane (C10)

R.T.: 3.619 min
Delta R.T.: -0.019 min
Response: 2598993
Conc: 19.63 ug/ml



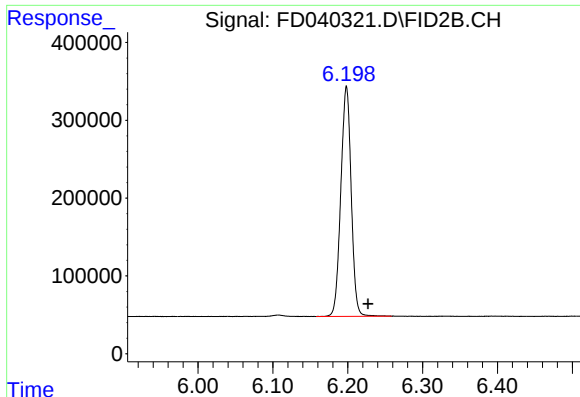
#3 A~Naphthalene (C11.7)

R.T.: 5.158 min
Delta R.T.: -0.025 min
Response: 2839795
Conc: 19.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.591 min
Delta R.T.: -0.025 min
Response: 2617407
Conc: 19.71 ug/ml



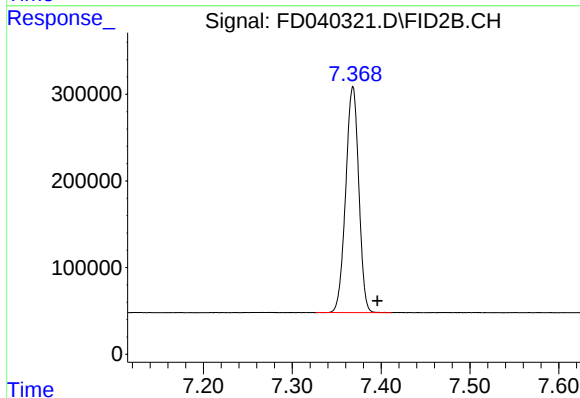
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.198 min
Delta R.T.: -0.029 min
Response: 2845194
Conc: 19.17 ug/ml

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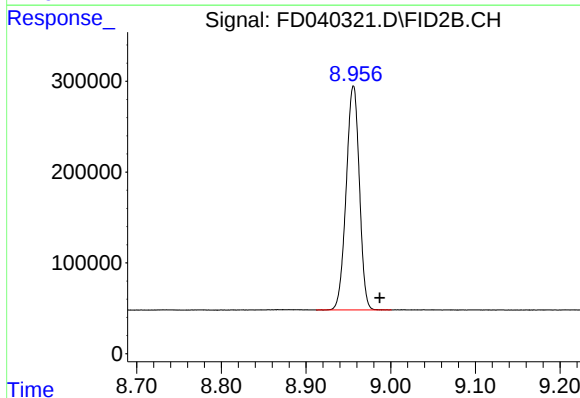
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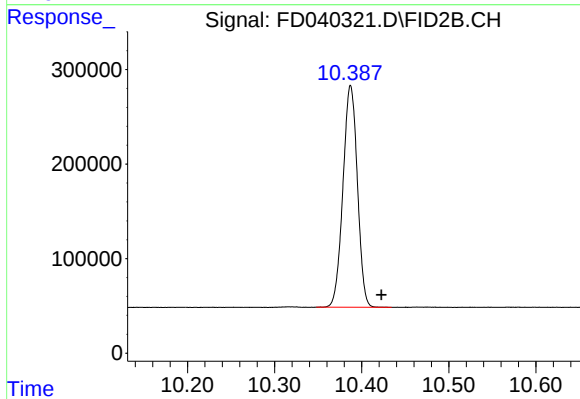
#6 n-Tetradecane (C14)

R.T.: 7.368 min
Delta R.T.: -0.028 min
Response: 2670980
Conc: 19.32 ug/ml



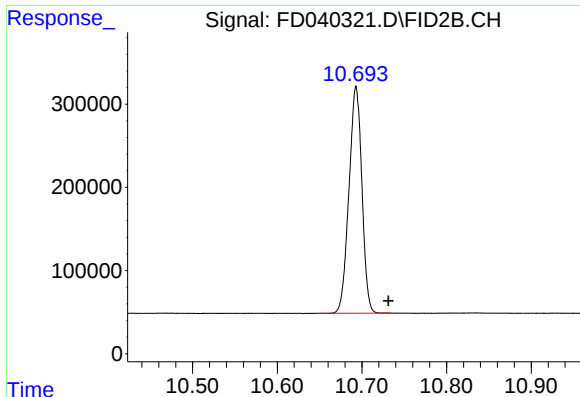
#7 n-Hexadecane (C16)

R.T.: 8.956 min
Delta R.T.: -0.031 min
Response: 2668209
Conc: 19.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.387 min
Delta R.T.: -0.036 min
Response: 2699091
Conc: 19.11 ug/ml



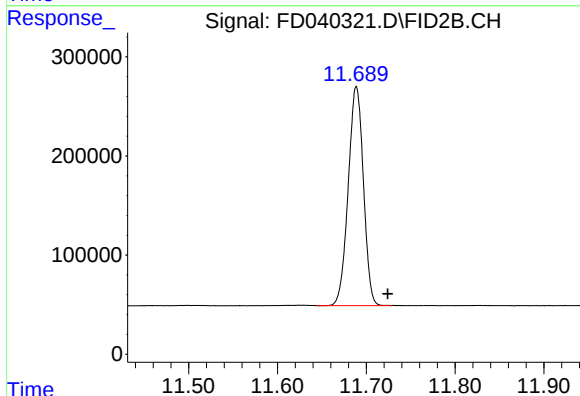
#9 ortho-Terphenyl (SURR)

R.T.: 10.693 min
Delta R.T.: -0.038 min
Response: 2896096
Conc: 18.59 ug/ml

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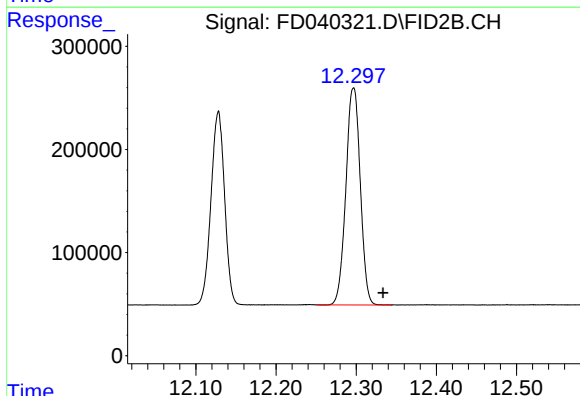
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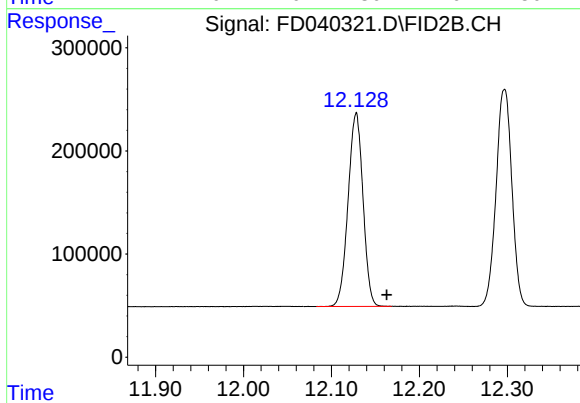
#10 n-Eicosane (C20)

R.T.: 11.689 min
Delta R.T.: -0.035 min
Response: 2624700
Conc: 18.77 ug/ml



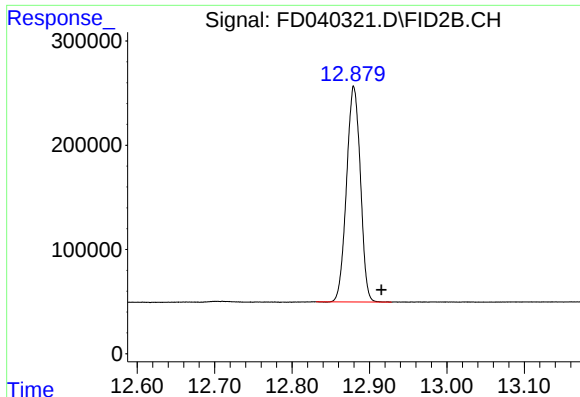
#11 n-Heneicosane (C21)

R.T.: 12.297 min
Delta R.T.: -0.037 min
Response: 2623583
Conc: 18.54 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.128 min
Delta R.T.: -0.035 min
Response: 2210333
Conc: 18.33 ug/ml



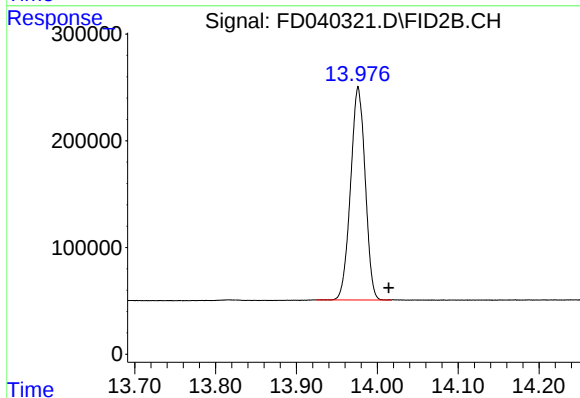
#13 n-Docosane (C22)

R.T.: 12.880 min
Delta R.T.: -0.036 min
Response: 2570053
Conc: 18.31 ug/ml

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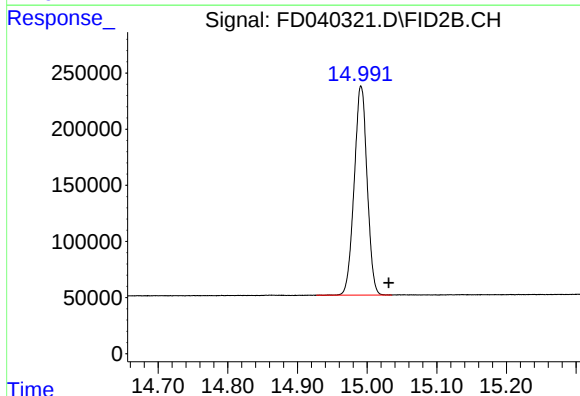
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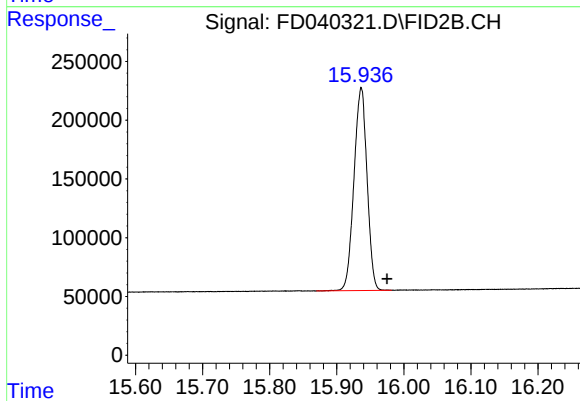
#14 n-Tetracosane (C24)

R.T.: 13.976 min
Delta R.T.: -0.038 min
Response: 2503973
Conc: 17.83 ug/ml



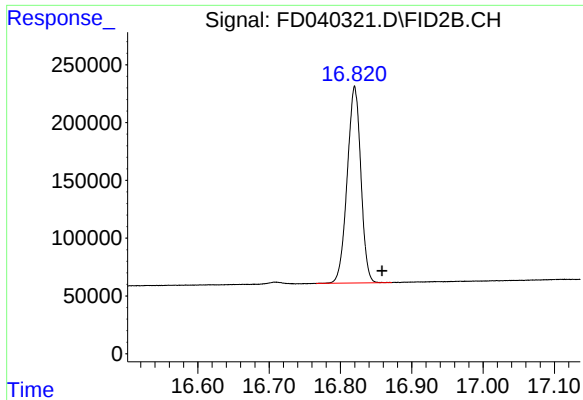
#15 n-Hexacosane (C26)

R.T.: 14.991 min
Delta R.T.: -0.040 min
Response: 2400677
Conc: 17.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.937 min
Delta R.T.: -0.038 min
Response: 2337567
Conc: 17.18 ug/ml



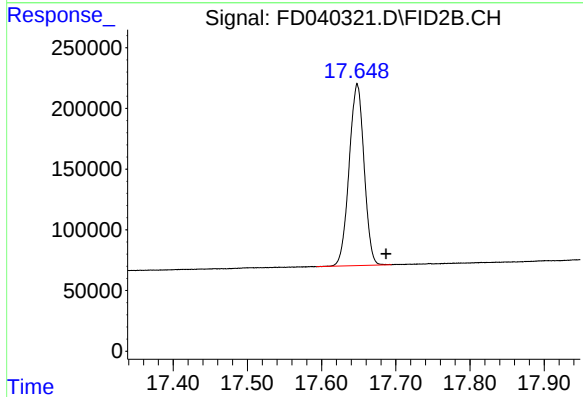
#17 n-Tricontane (C30)

R.T.: 16.820 min
Delta R.T.: -0.039 min
Response: 2261619
Conc: 16.90 ug/ml

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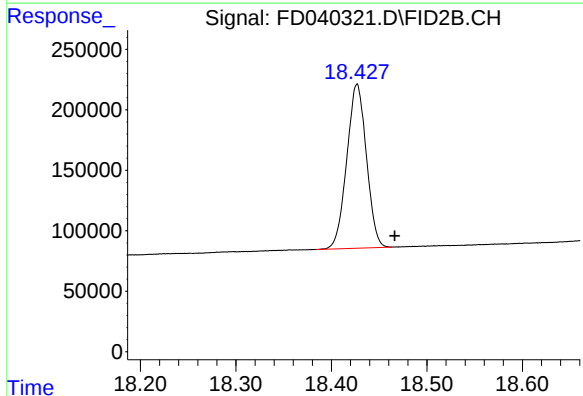
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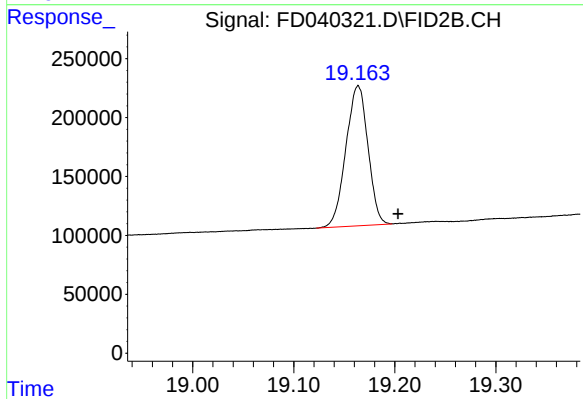
#18 n-Dotriacontane (C32)

R.T.: 17.648 min
Delta R.T.: -0.039 min
Response: 2093480
Conc: 16.17 ug/ml



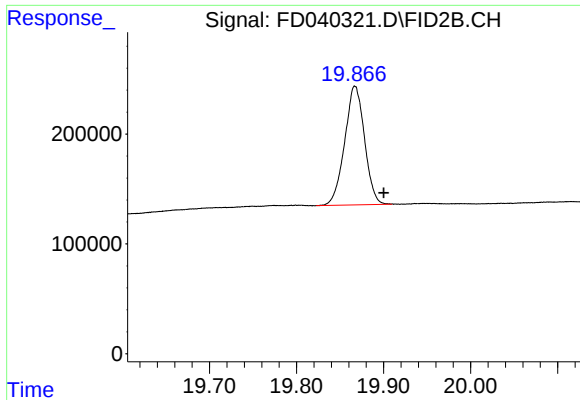
#19 n-Tetratriacontane (C34)

R.T.: 18.427 min
Delta R.T.: -0.039 min
Response: 1944395
Conc: 16.04 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.163 min
Delta R.T.: -0.040 min
Response: 1804038
Conc: 16.93 ug/ml m



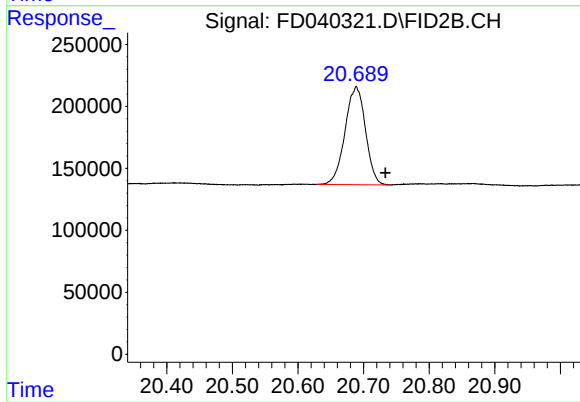
#21 n-Octatriacontane (C38)

R.T.: 19.866 min
Delta R.T.: -0.034 min
Response: 1717099
Conc: 18.59 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.689 min
Delta R.T.: -0.044 min
Response: 1709212
Conc: 21.95 ug/ml