

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD062921AL\
 Data File : FD038032.D
 Signal(s) : FID2B.CH
 Acq On : 29 Jun 2021 18:24
 Operator : DD\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

mohammad
 6/30/2021 2:09:06 PM

Integration File: sample.E
 Quant Time: Jun 30 04:50:38 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 061021.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 11 05:11:15 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)	11.424	2751243	19.386 ug/ml
Spiked Amount 50.000		Recovery =	38.77%
12) S 1-chlorooctadecane (S...	12.859	2089872	18.745 ug/ml
Spiked Amount 50.000		Recovery =	37.49%
Target Compounds			
1) T n-Nonane (C9)	3.238	2585038	21.381 ug/ml
2) T n-Decane (C10)	4.294	2618334	21.361 ug/ml
3) T A~Naphthalene (C11.7)	5.863	2852639	21.153 ug/ml
4) T n-Dodecane (C12)	6.301	2646158	21.554 ug/ml
5) T A~2-methylnaphthalene...	6.915	2835302	20.939 ug/ml
6) T n-Tetradecane (C14)	8.087	2662927	21.220 ug/ml
7) T n-Hexadecane (C16)	9.680	2623571	20.499 ug/ml
8) T n-Octadecane (C18)	11.115	2641419	19.990 ug/ml
10) T n-Eicosane (C20)	12.418	2559942	19.396 ug/ml
11) T n-Heneicosane (C21)	13.026	2534002	19.096 ug/ml
13) T n-Docosane (C22)	13.609	2486384	18.964 ug/ml
14) T n-Tetracosane (C24)	14.706	2425315	18.585 ug/ml
15) T n-Hexacosane (C26)	15.721	2335364	18.400 ug/ml
16) T n-Octacosane (C28)	16.667	2263856	18.244 ug/ml
17) T n-Tricontane (C30)	17.549	2189142	18.194 ug/ml
18) T n-Dotriacontane (C32)	18.377	2109139	18.427 ug/ml
19) T n-Tetratriacontane (C34)	19.157	2047139	18.940 ug/ml
20) T n-Hexatriacontane (C36)	19.892	1956924	19.596 ug/ml
21) T n-Octatriacontane (C38)	20.597	1861920	20.270 ug/ml
22) T n-Tetracontane (C40)	21.426	1859602	19.550 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 57 Sample Multiplier: 1

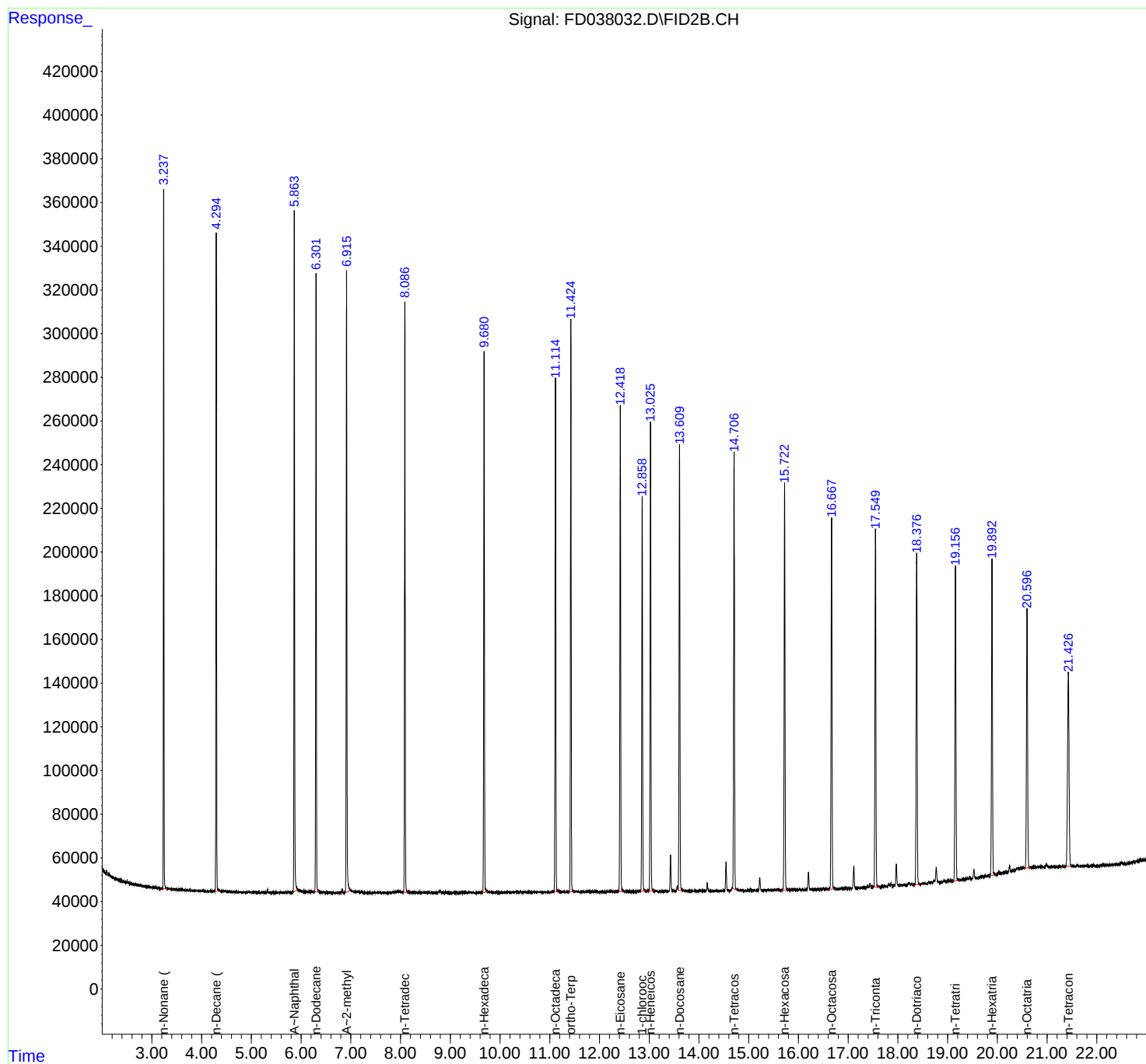
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20 PPM ALIPHATIC HC STD

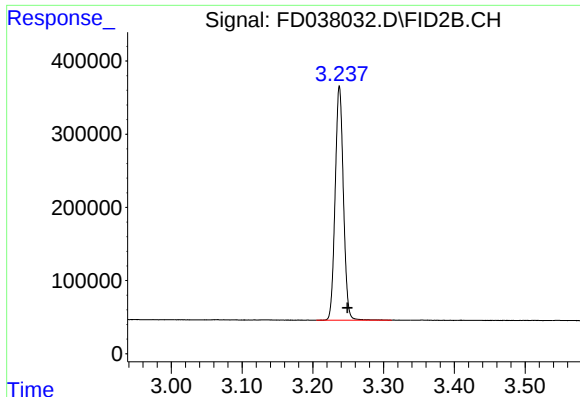
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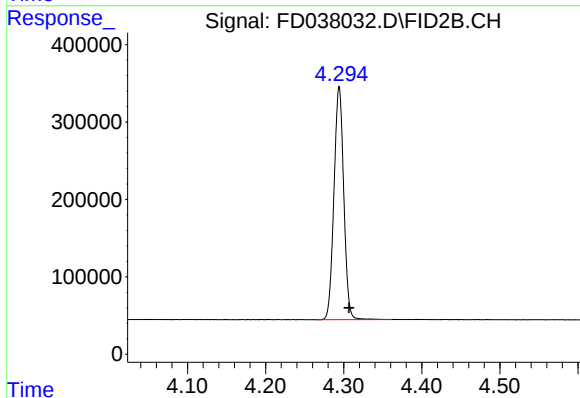
#1 n-Nonane (C9)

R.T.: 3.238 min
Delta R.T.: -0.011 min
Response: 2585038
Conc: 21.38 ug/ml

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20 PPM ALIPHATIC HC STD

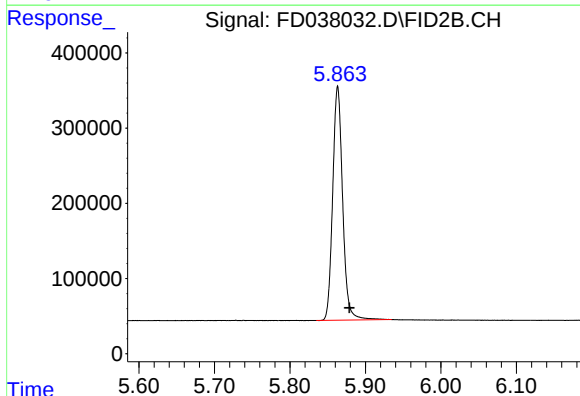
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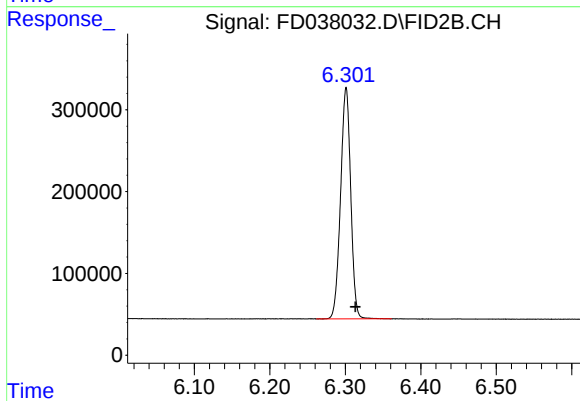
#2 n-Decane (C10)

R.T.: 4.294 min
Delta R.T.: -0.013 min
Response: 2618334
Conc: 21.36 ug/ml



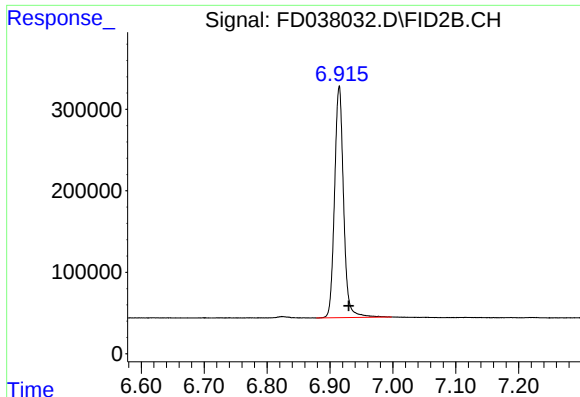
#3 A~Naphthalene (C11.7)

R.T.: 5.863 min
Delta R.T.: -0.016 min
Response: 2852639
Conc: 21.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.301 min
Delta R.T.: -0.012 min
Response: 2646158
Conc: 21.55 ug/ml



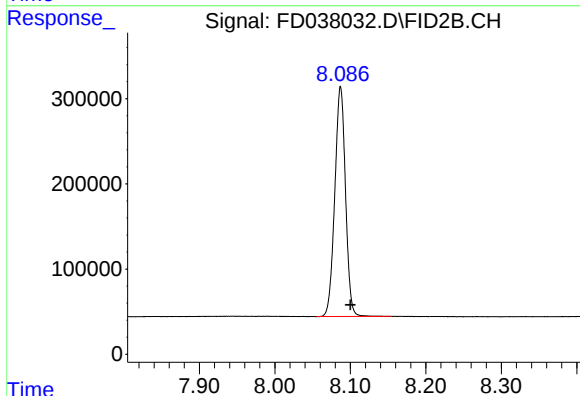
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.915 min
Delta R.T.: -0.015 min
Response: 2835302
Conc: 20.94 ug/ml

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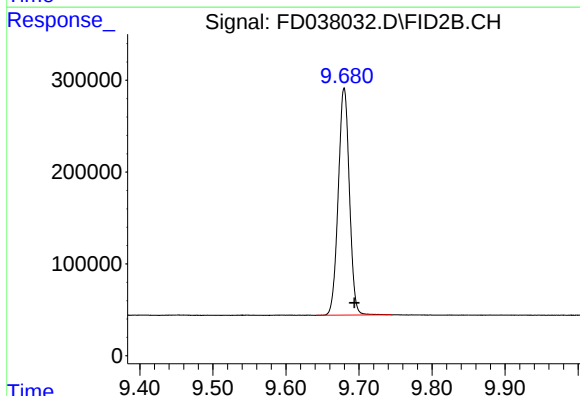
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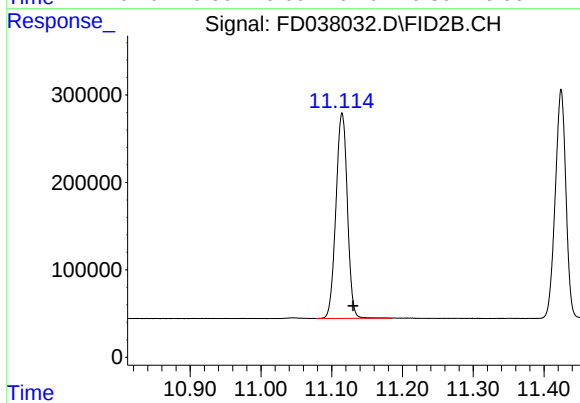
#6 n-Tetradecane (C14)

R.T.: 8.087 min
Delta R.T.: -0.013 min
Response: 2662927
Conc: 21.22 ug/ml



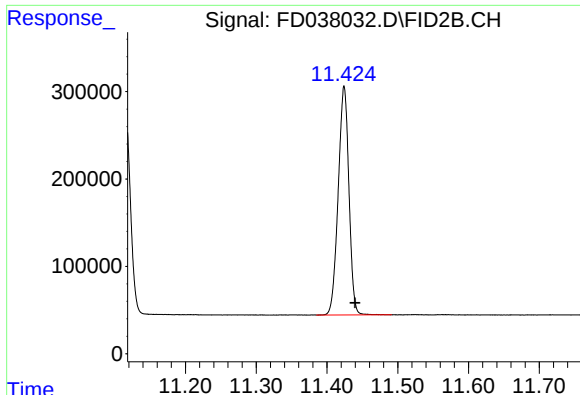
#7 n-Hexadecane (C16)

R.T.: 9.680 min
Delta R.T.: -0.014 min
Response: 2623571
Conc: 20.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.115 min
Delta R.T.: -0.015 min
Response: 2641419
Conc: 19.99 ug/ml



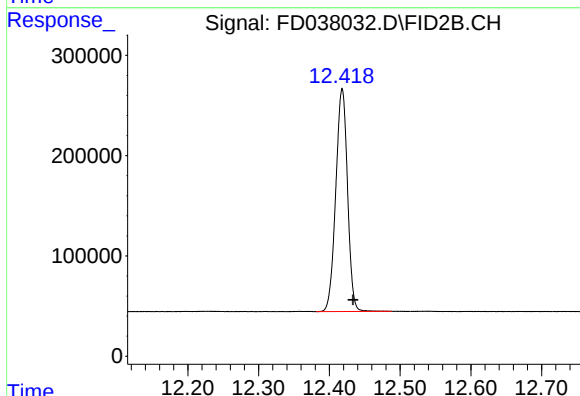
#9 ortho-Terphenyl (SURR)

R.T.: 11.424 min
Delta R.T.: -0.015 min
Response: 2751243
Conc: 19.39 ug/ml

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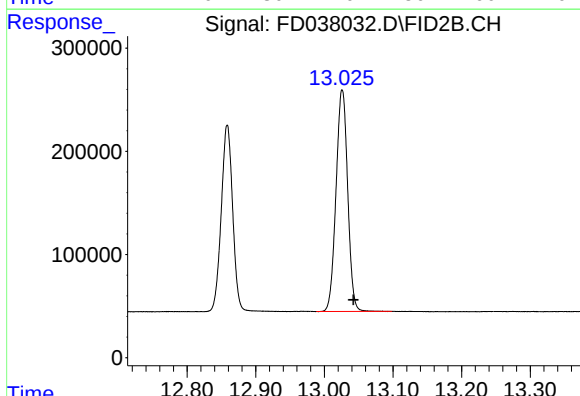
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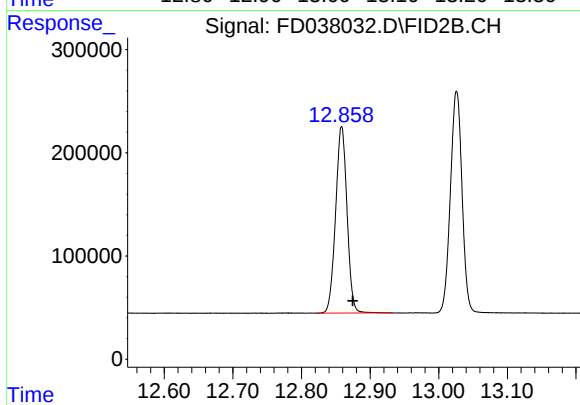
#10 n-Eicosane (C20)

R.T.: 12.418 min
Delta R.T.: -0.016 min
Response: 2559942
Conc: 19.40 ug/ml



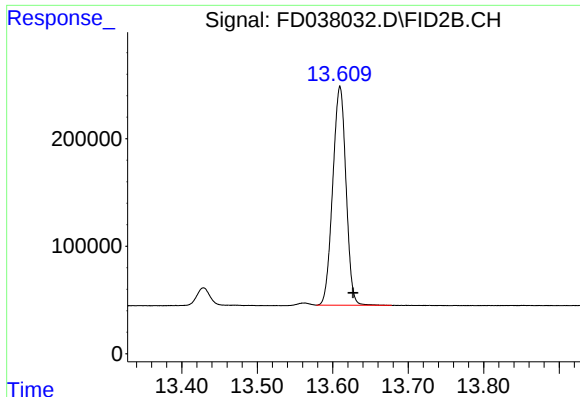
#11 n-Heneicosane (C21)

R.T.: 13.026 min
Delta R.T.: -0.016 min
Response: 2534002
Conc: 19.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.859 min
Delta R.T.: -0.016 min
Response: 2089872
Conc: 18.74 ug/ml



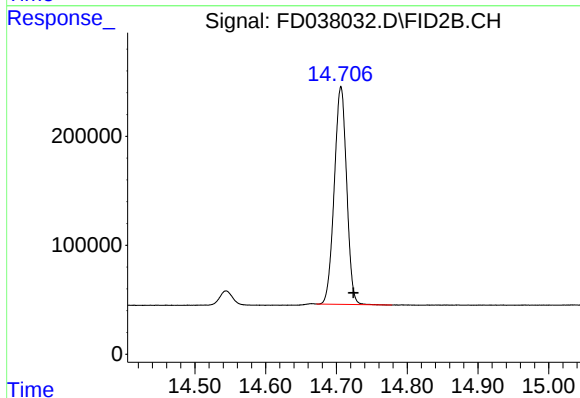
#13 n-Docosane (C22)

R.T.: 13.609 min
Delta R.T.: -0.017 min
Response: 2486384
Conc: 18.96 ug/ml

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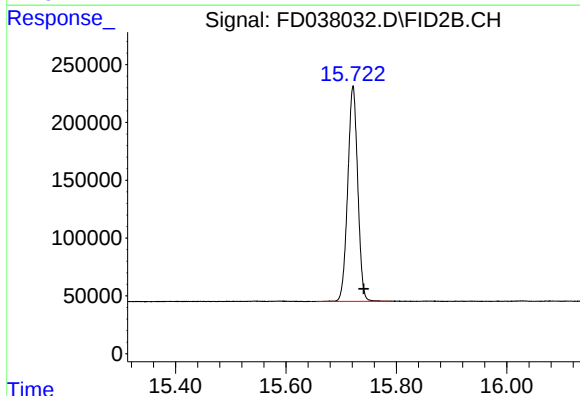
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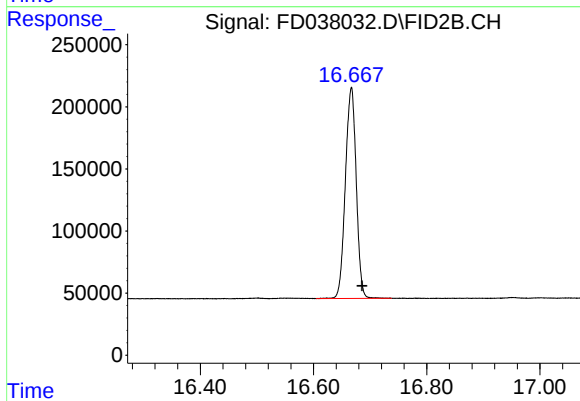
#14 n-Tetracosane (C24)

R.T.: 14.706 min
Delta R.T.: -0.018 min
Response: 2425315
Conc: 18.59 ug/ml



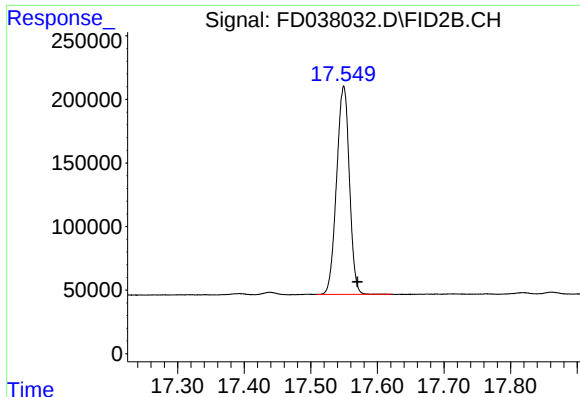
#15 n-Hexacosane (C26)

R.T.: 15.721 min
Delta R.T.: -0.020 min
Response: 2335364
Conc: 18.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.667 min
Delta R.T.: -0.019 min
Response: 2263856
Conc: 18.24 ug/ml



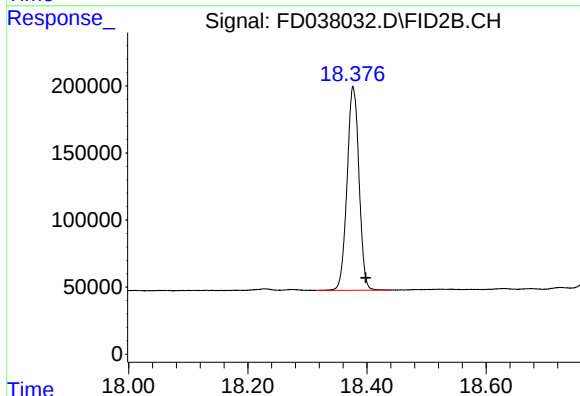
#17 n-Tricontane (C30)

R.T.: 17.549 min
Delta R.T.: -0.021 min
Response: 2189142
Conc: 18.19 ug/ml

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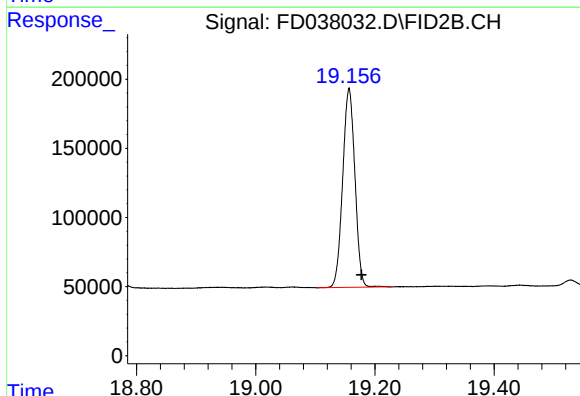
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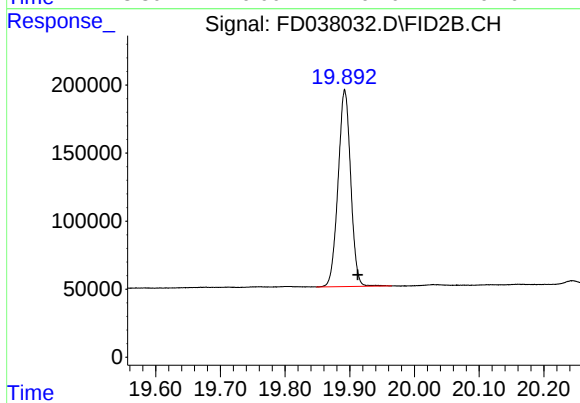
#18 n-Dotriacontane (C32)

R.T.: 18.377 min
Delta R.T.: -0.021 min
Response: 2109139
Conc: 18.43 ug/ml



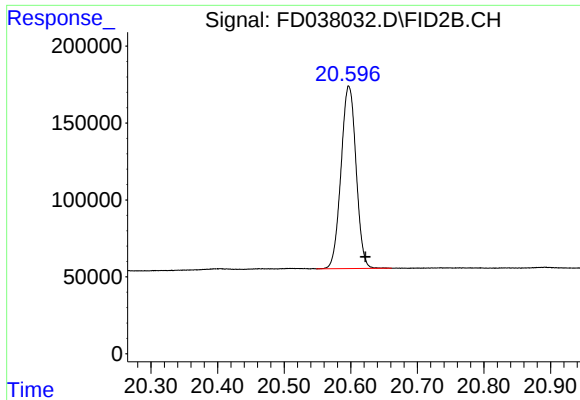
#19 n-Tetratriacontane (C34)

R.T.: 19.157 min
Delta R.T.: -0.021 min
Response: 2047139
Conc: 18.94 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.892 min
Delta R.T.: -0.020 min
Response: 1956924
Conc: 19.60 ug/ml



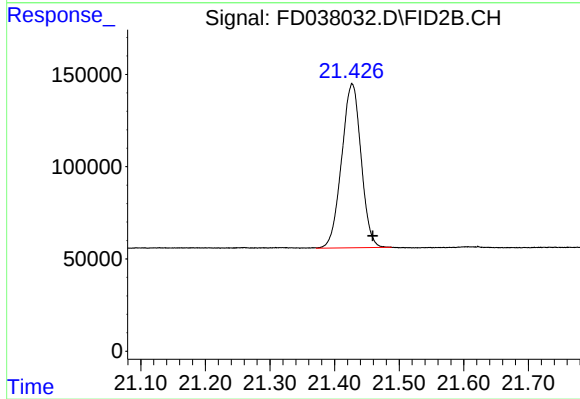
#21 n-Octatriacontane (C38)

R.T.: 20.597 min
Delta R.T.: -0.025 min
Response: 1861920
Conc: 20.27 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.426 min
Delta R.T.: -0.032 min
Response: 1859602
Conc: 19.55 ug/ml m