

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122921AL\
 Data File : FD040257.D
 Signal(s) : FID2B.CH
 Acq On : 29 Dec 2021 14:26
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/30/2021
 Supervised By :Ankita Jodhani 12/30/2021

Integration File: autoint1.e
 Quant Time: Dec 30 00:46:02 2021
 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)	10.712	2927436	18.791 ug/ml
Spiked Amount 50.000		Recovery =	37.58%
12) S 1-chlorooctadecane (S...	12.147	2238160	18.559 ug/ml
Spiked Amount 50.000		Recovery =	37.12%
Target Compounds			
1) T n-Nonane (C9)	2.640	2605023	19.851 ug/ml
2) T n-Decane (C10)	3.633	2634603	19.904 ug/ml
3) T A~Naphthalene (C11.7)	5.174	2882839	19.538 ug/ml
4) T n-Dodecane (C12)	5.607	2642957	19.901 ug/ml
5) T A~2-methylnaphthalene...	6.215	2886204	19.450 ug/ml
6) T n-Tetradecane (C14)	7.385	2687130	19.436 ug/ml
7) T n-Hexadecane (C16)	8.974	2680887	19.552 ug/ml
8) T n-Octadecane (C18)	10.406	2715552	19.230 ug/ml
10) T n-Eicosane (C20)	11.708	2653653	18.981 ug/ml
11) T n-Heneicosane (C21)	12.315	2650944	18.736 ug/ml
13) T n-Docosane (C22)	12.899	2629703	18.738 ug/ml
14) T n-Tetracosane (C24)	13.996	2631137	18.740 ug/ml
15) T n-Hexacosane (C26)	15.011	2528066	18.385 ug/ml
16) T n-Octacosane (C28)	15.954	2481623	18.243 ug/ml
17) T n-Tricontane (C30)	16.839	2393792	17.887 ug/ml
18) T n-Dotriacontane (C32)	17.667	2196070	16.965 ug/mlm
19) T n-Tetratriacontane (C34)	18.446	1993570	16.443 ug/mlm
20) T n-Hexatriacontane (C36)	19.184	1810801	16.992 ug/mlm
21) T n-Octatriacontane (C38)	19.888	1691244	18.314 ug/mlm
22) T n-Tetracontane (C40)	20.717	1656375	21.272 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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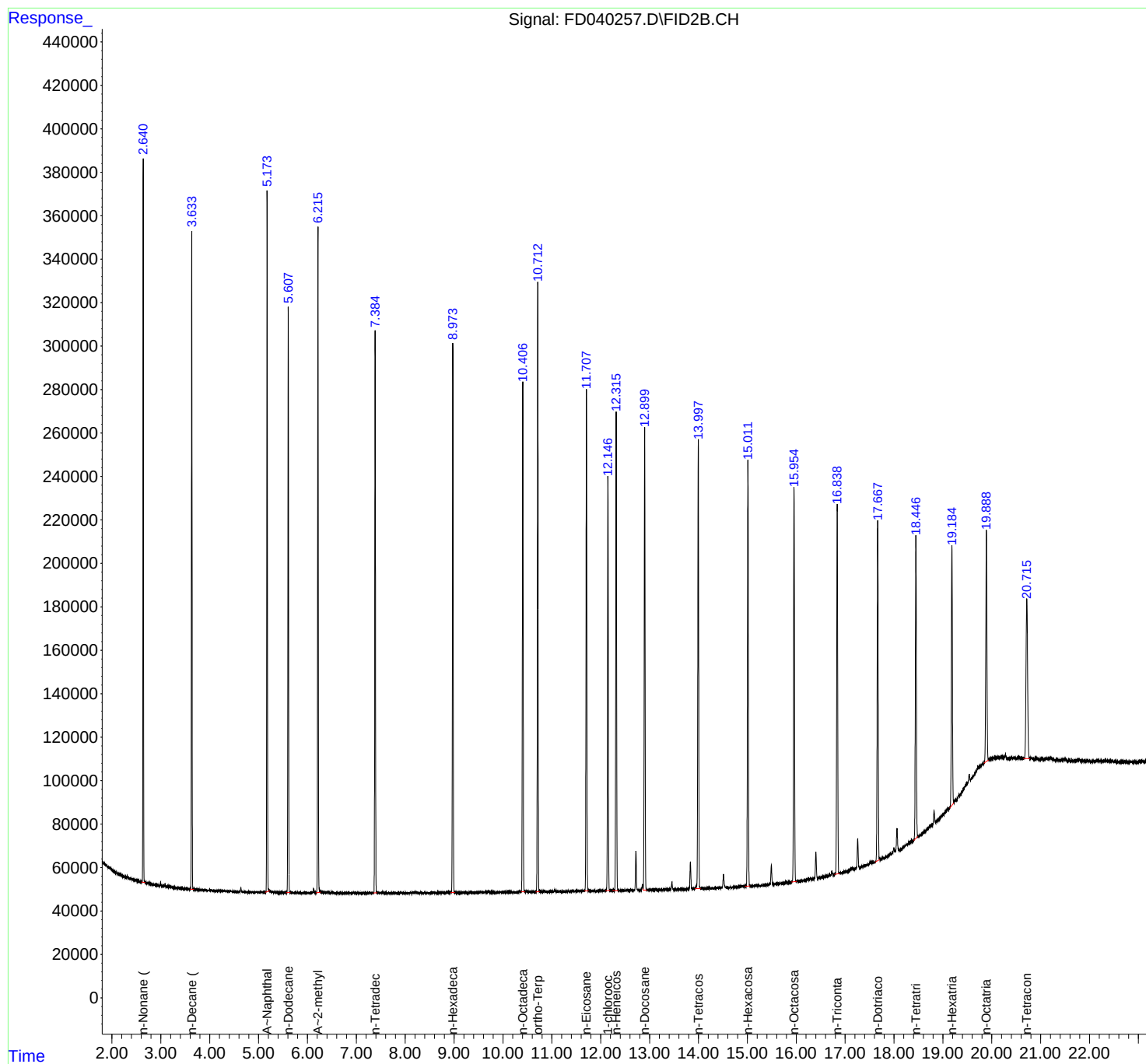
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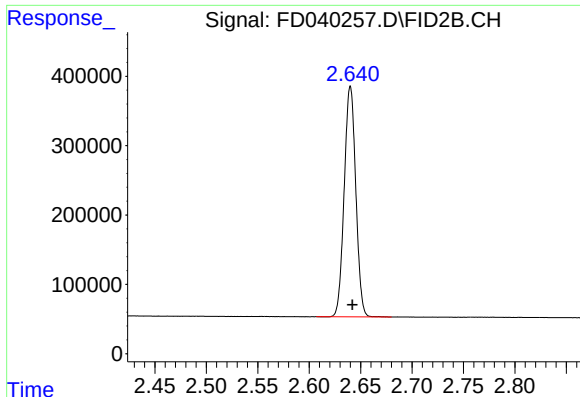
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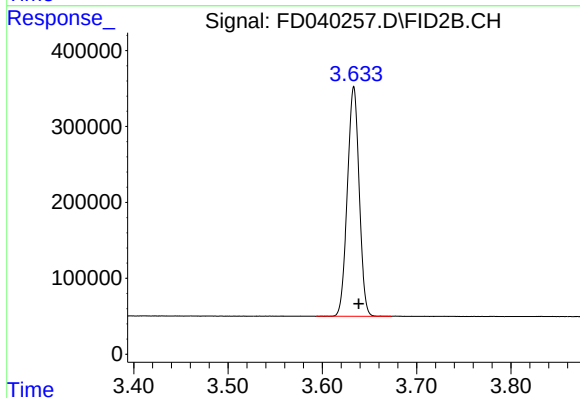
#1 n-Nonane (C9)

R.T.: 2.640 min
Delta R.T.: -0.002 min
Response: 2605023
Conc: 19.85 ug/ml

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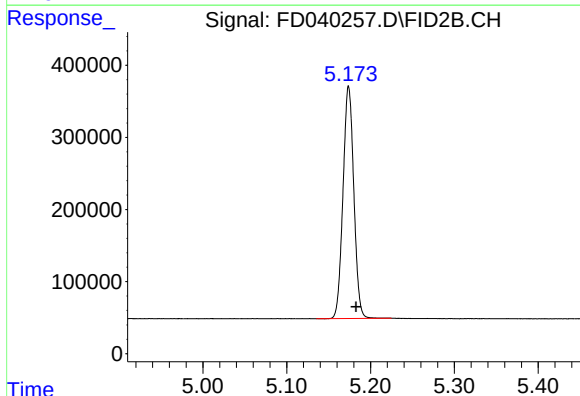
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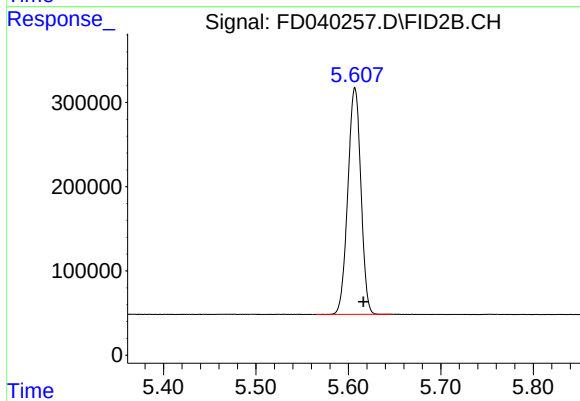
#2 n-Decane (C10)

R.T.: 3.633 min
Delta R.T.: -0.005 min
Response: 2634603
Conc: 19.90 ug/ml



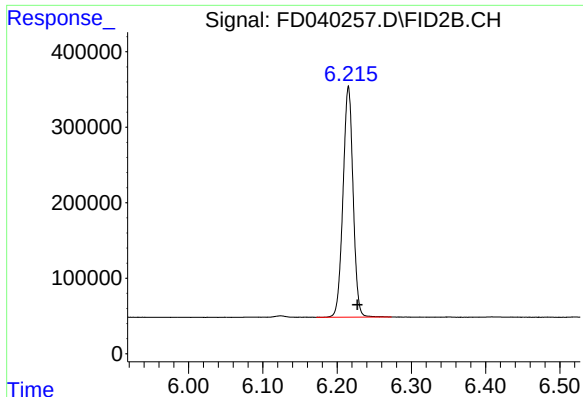
#3 A~Naphthalene (C11.7)

R.T.: 5.174 min
Delta R.T.: -0.009 min
Response: 2882839
Conc: 19.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.607 min
Delta R.T.: -0.009 min
Response: 2642957
Conc: 19.90 ug/ml



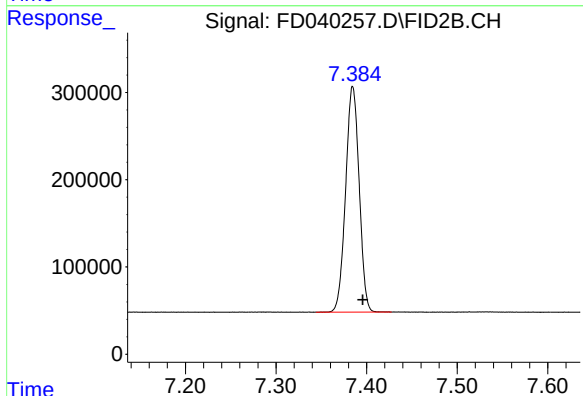
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.215 min
Delta R.T.: -0.012 min
Response: 2886204
Conc: 19.45 ug/ml

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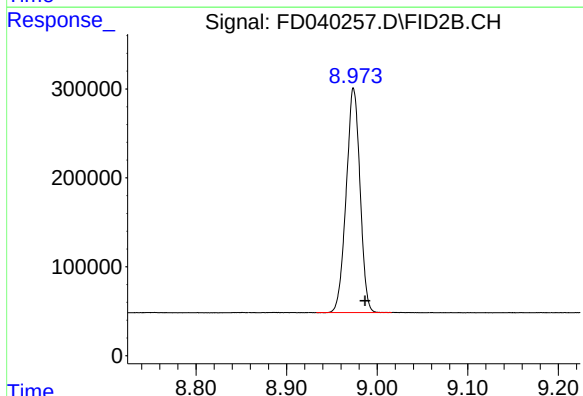
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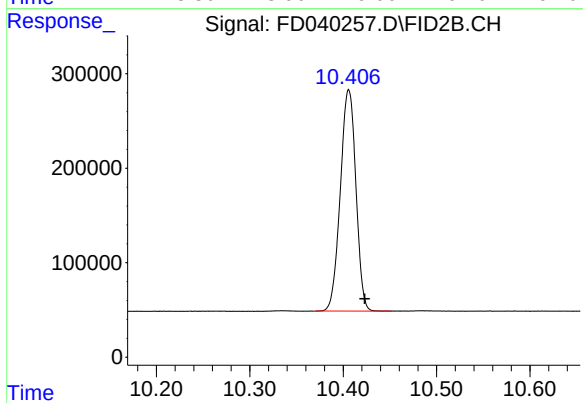
#6 n-Tetradecane (C14)

R.T.: 7.385 min
Delta R.T.: -0.011 min
Response: 2687130
Conc: 19.44 ug/ml



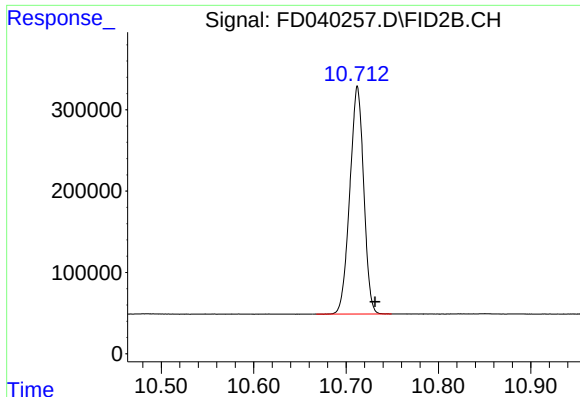
#7 n-Hexadecane (C16)

R.T.: 8.974 min
Delta R.T.: -0.013 min
Response: 2680887
Conc: 19.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.406 min
Delta R.T.: -0.017 min
Response: 2715552
Conc: 19.23 ug/ml



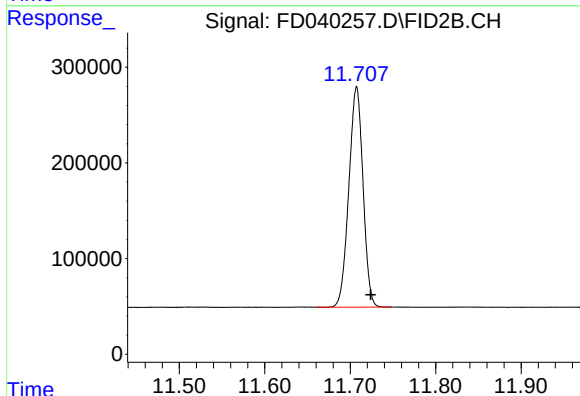
#9 ortho-Terphenyl (SURR)

R.T.: 10.712 min
Delta R.T.: -0.019 min
Response: 2927436
Conc: 18.79 ug/ml

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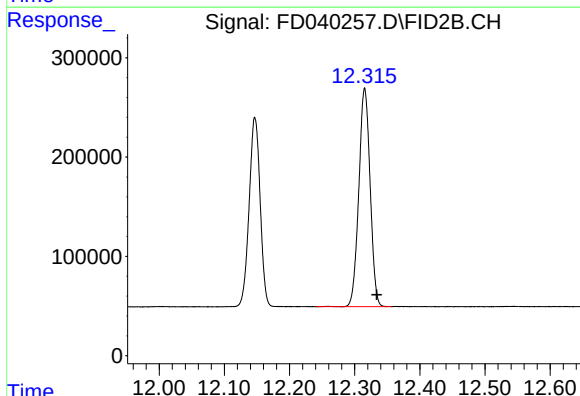
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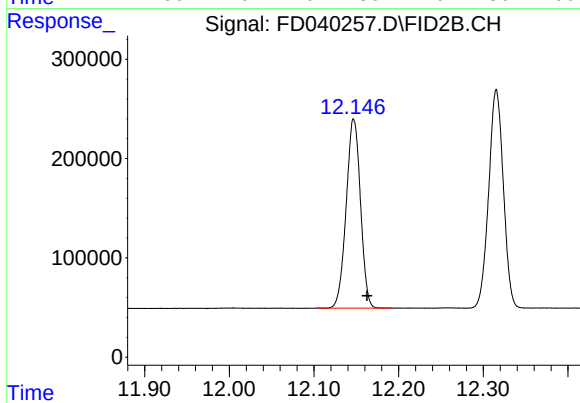
#10 n-Eicosane (C20)

R.T.: 11.708 min
Delta R.T.: -0.017 min
Response: 2653653
Conc: 18.98 ug/ml



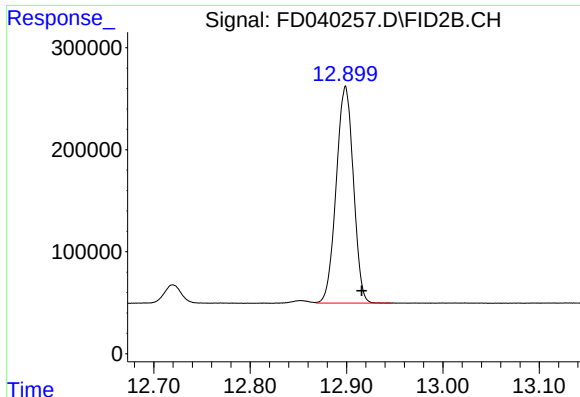
#11 n-Heneicosane (C21)

R.T.: 12.315 min
Delta R.T.: -0.018 min
Response: 2650944
Conc: 18.74 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.147 min
Delta R.T.: -0.016 min
Response: 2238160
Conc: 18.56 ug/ml



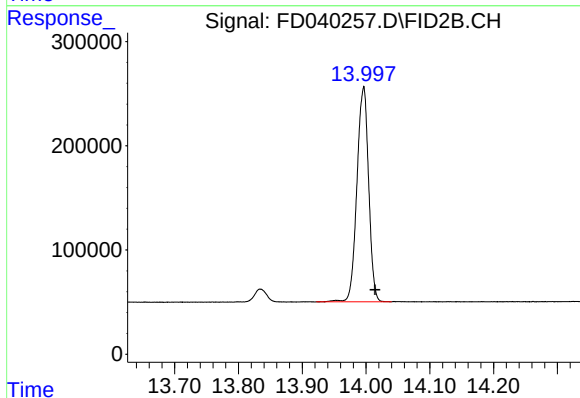
#13 n-Docosane (C22)

R.T.: 12.899 min
Delta R.T.: -0.017 min
Response: 2629703
Conc: 18.74 ug/ml

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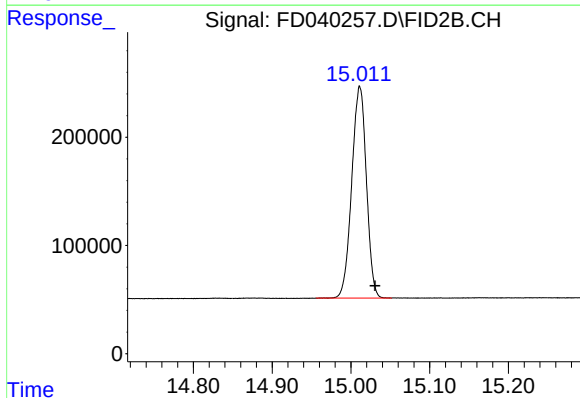
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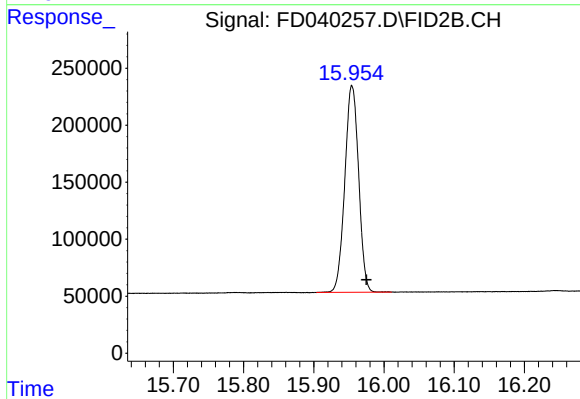
#14 n-Tetracosane (C24)

R.T.: 13.996 min
Delta R.T.: -0.018 min
Response: 2631137
Conc: 18.74 ug/ml



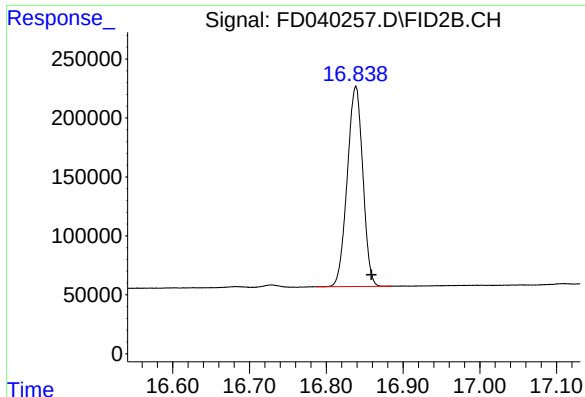
#15 n-Hexacosane (C26)

R.T.: 15.011 min
Delta R.T.: -0.019 min
Response: 2528066
Conc: 18.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.954 min
Delta R.T.: -0.021 min
Response: 2481623
Conc: 18.24 ug/ml



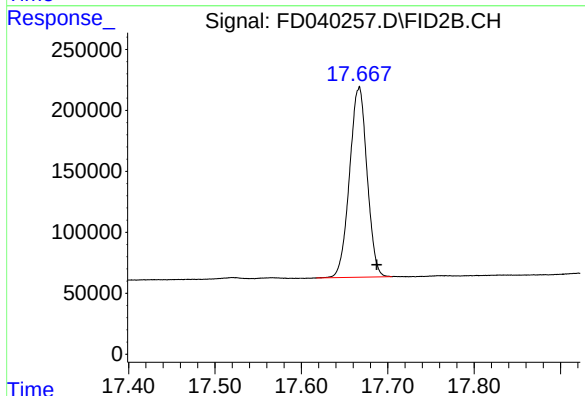
#17 n-Tricontane (C30)

R.T.: 16.839 min
Delta R.T.: -0.020 min
Response: 2393792
Conc: 17.89 ug/ml

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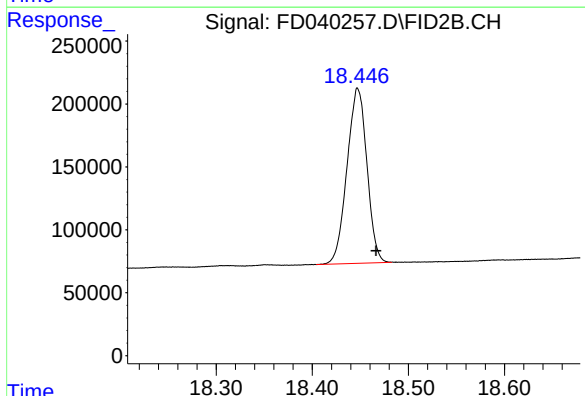
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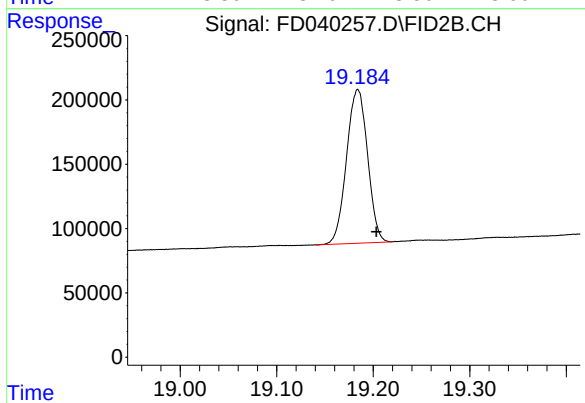
#18 n-Dotriacontane (C32)

R.T.: 17.667 min
Delta R.T.: -0.020 min
Response: 2196070
Conc: 16.97 ug/ml m



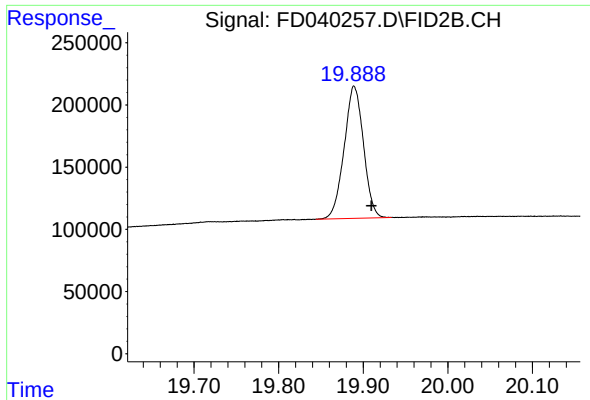
#19 n-Tetratriacontane (C34)

R.T.: 18.446 min
Delta R.T.: -0.020 min
Response: 1993570
Conc: 16.44 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.184 min
Delta R.T.: -0.019 min
Response: 1810801
Conc: 16.99 ug/ml m



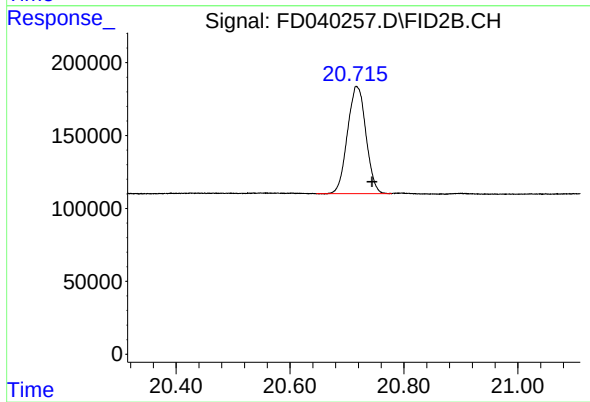
#21 n-Octatriacontane (C38)

R.T.: 19.888 min
Delta R.T.: -0.021 min
Response: 1691244
Conc: 18.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.717 min
Delta R.T.: -0.027 min
Response: 1656375
Conc: 21.27 ug/ml