

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD011022AL\
 Data File : FD040522.D
 Signal(s) : FID2B.CH
 Acq On : 11 Jan 2022 3:01
 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 01/11/2022
 Supervised By :mohammad ahmed 01/12/2022

Integration File: autoint1.e
 Quant Time: Jan 11 03:17:12 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 010422.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 05 07:08:39 2022
 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)	10.622	3189986	20.689 ug/ml
Spiked Amount 50.000		Recovery =	41.38%
12) S 1-chlorooctadecane (S...	12.059	2434734	20.685 ug/ml
Spiked Amount 50.000		Recovery =	41.37%
Target Compounds			
1) T n-Nonane (C9)	2.572	2619779	20.406 ug/ml
2) T n-Decane (C10)	3.558	2664629	20.694 ug/ml
3) T A~Naphthalene (C11.7)	5.088	2951233	20.773 ug/ml
4) T n-Dodecane (C12)	5.527	2700080	21.125 ug/ml
5) T A~2-methylnaphthalene...	6.128	2983895	21.151 ug/ml
6) T n-Tetradecane (C14)	7.303	2768188	21.369 ug/ml
7) T n-Hexadecane (C16)	8.890	2792782	21.436 ug/ml
8) T n-Octadecane (C18)	10.322	2878454	21.243 ug/ml
10) T n-Eicosane (C20)	11.622	2866013	21.071 ug/ml
11) T n-Heneicosane (C21)	12.229	2860279	20.655 ug/ml
13) T n-Docosane (C22)	12.813	2943928	21.350 ug/ml
14) T n-Tetracosane (C24)	13.909	3105253	22.208 ug/ml
15) T n-Hexacosane (C26)	14.924	3091822	22.430 ug/ml
16) T n-Octacosane (C28)	15.867	3082201	22.716 ug/ml
17) T n-Tricontane (C30)	16.750	2995706	22.984 ug/ml
18) T n-Dotriacontane (C32)	17.579	2682219	22.437 ug/ml
19) T n-Tetratriacontane (C34)	18.358	2359263	22.407 ug/ml
20) T n-Hexatriacontane (C36)	19.095	2073693	20.465 ug/ml
21) T n-Octatriacontane (C38)	19.792	1949217	21.817 ug/mlm
22) T n-Tetracontane (C40)	20.591	1944827	22.751 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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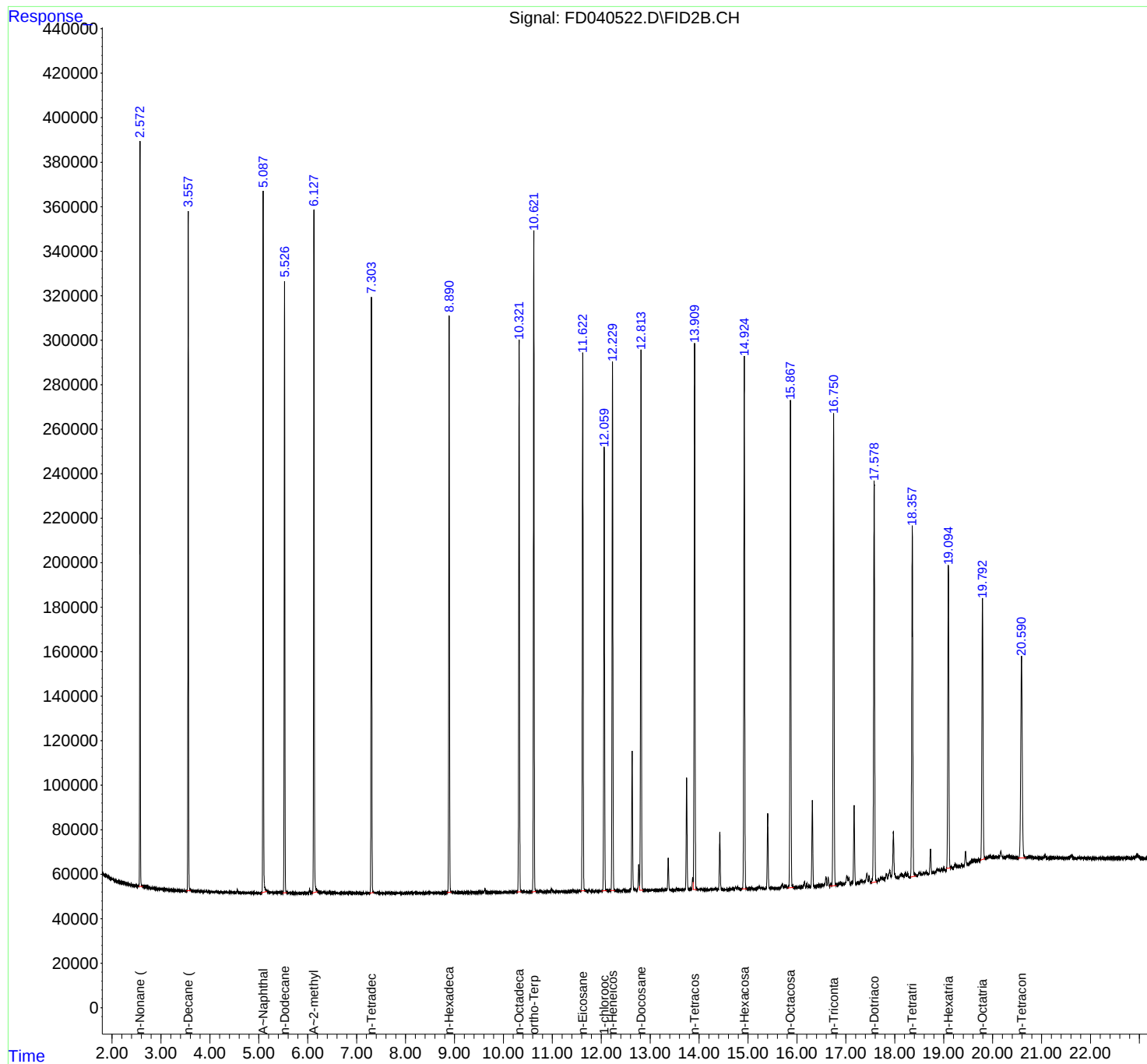
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20 PPM ALIPHATIC HC STD

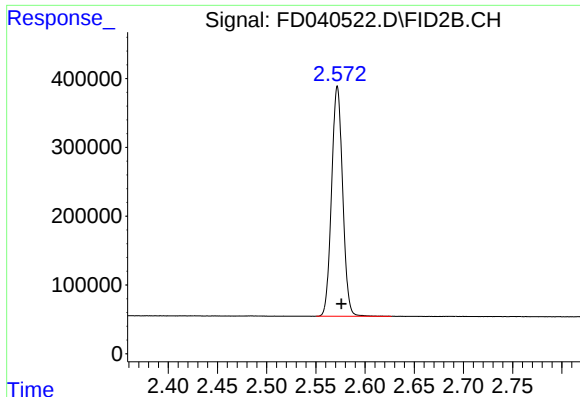
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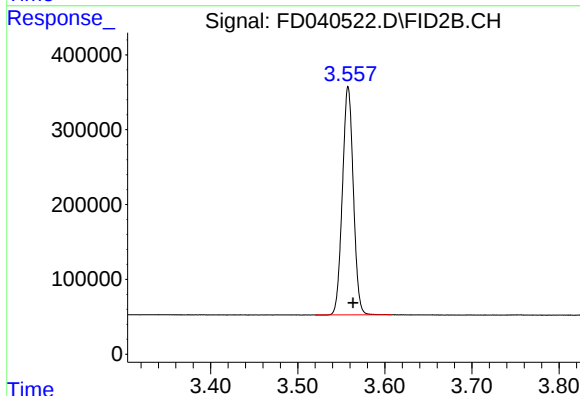
#1 n-Nonane (C9)

R.T.: 2.572 min
Delta R.T.: -0.004 min
Response: 2619779
Conc: 20.41 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

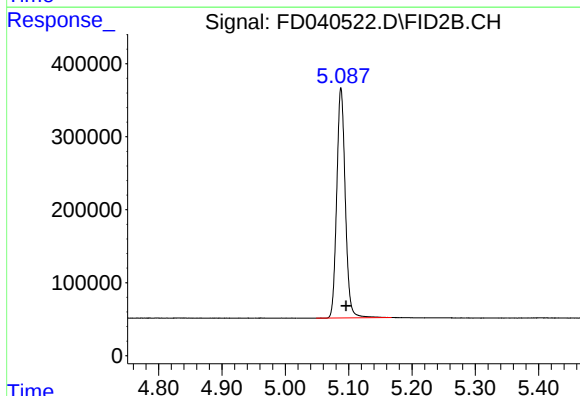
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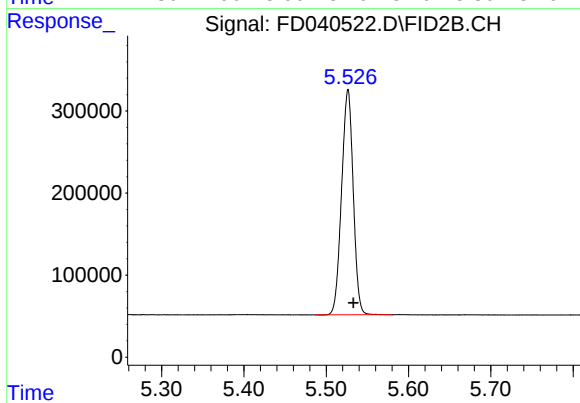
#2 n-Decane (C10)

R.T.: 3.558 min
Delta R.T.: -0.005 min
Response: 2664629
Conc: 20.69 ug/ml



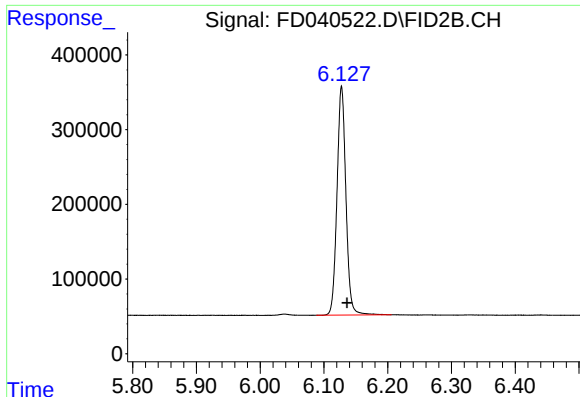
#3 A~Naphthalene (C11.7)

R.T.: 5.088 min
Delta R.T.: -0.008 min
Response: 2951233
Conc: 20.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.527 min
Delta R.T.: -0.007 min
Response: 2700080
Conc: 21.13 ug/ml



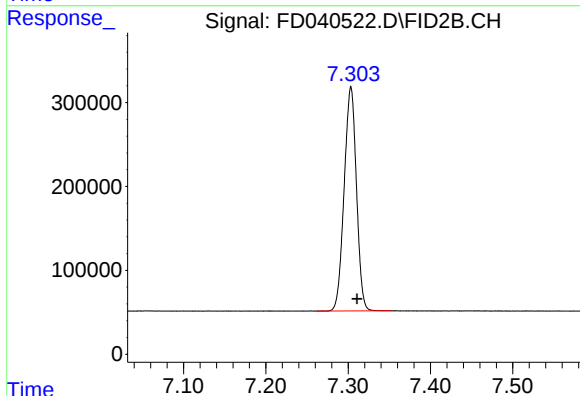
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.128 min
Delta R.T.: -0.008 min
Response: 2983895
Conc: 21.15 ug/ml

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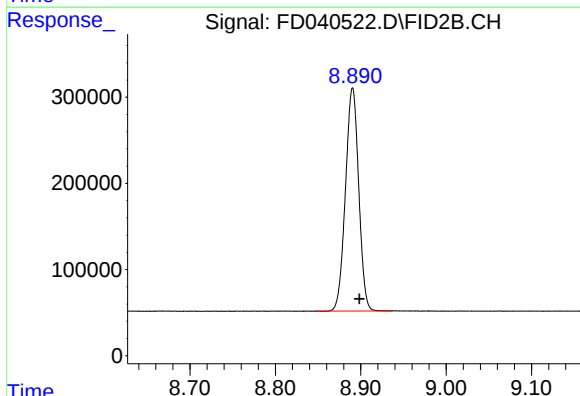
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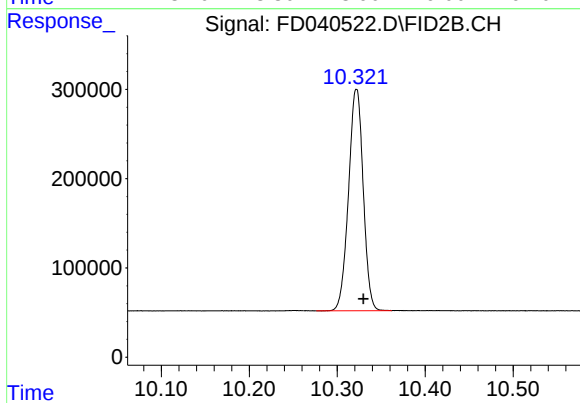
#6 n-Tetradecane (C14)

R.T.: 7.303 min
Delta R.T.: -0.007 min
Response: 2768188
Conc: 21.37 ug/ml



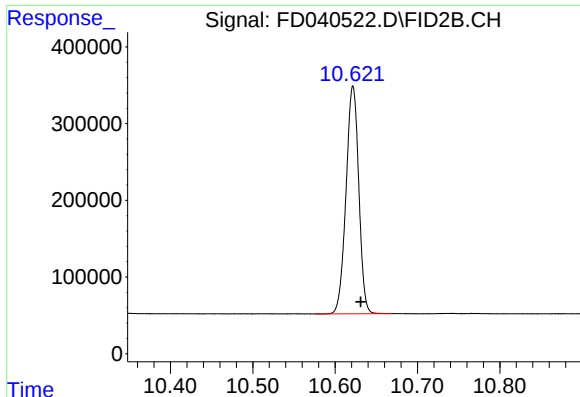
#7 n-Hexadecane (C16)

R.T.: 8.890 min
Delta R.T.: -0.008 min
Response: 2792782
Conc: 21.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.322 min
Delta R.T.: -0.008 min
Response: 2878454
Conc: 21.24 ug/ml



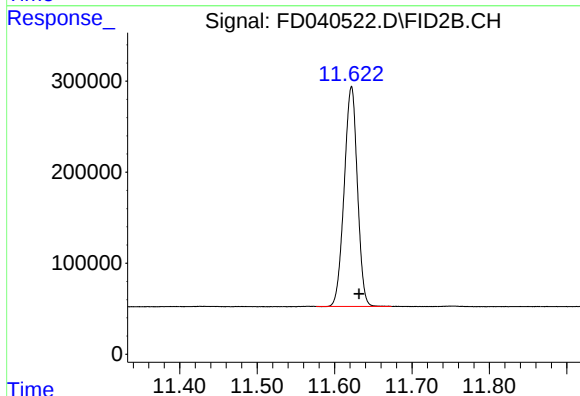
#9 ortho-Terphenyl (SURR)

R.T.: 10.622 min
Delta R.T.: -0.009 min
Response: 3189986
Conc: 20.69 ug/ml

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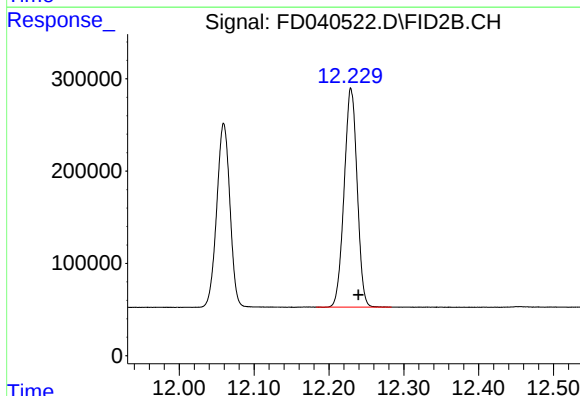
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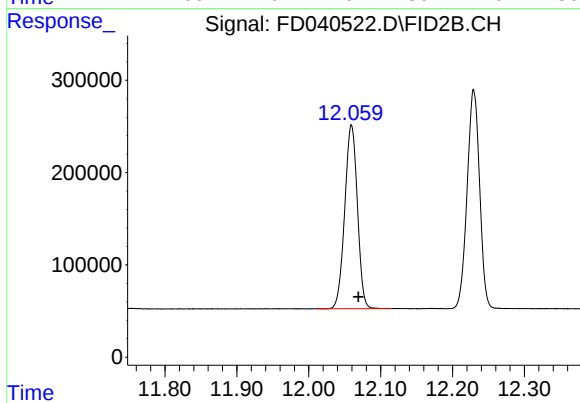
#10 n-Eicosane (C20)

R.T.: 11.622 min
Delta R.T.: -0.010 min
Response: 2866013
Conc: 21.07 ug/ml



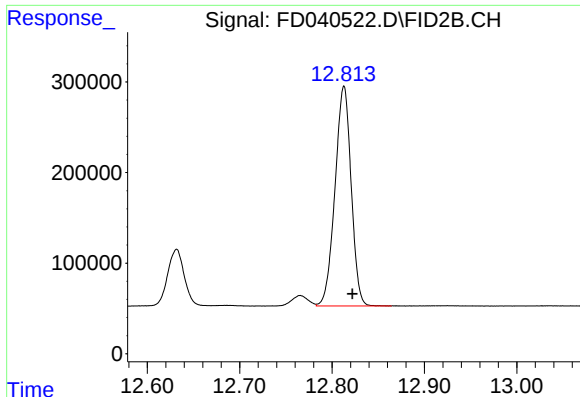
#11 n-Heneicosane (C21)

R.T.: 12.229 min
Delta R.T.: -0.010 min
Response: 2860279
Conc: 20.66 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.059 min
Delta R.T.: -0.010 min
Response: 2434734
Conc: 20.68 ug/ml



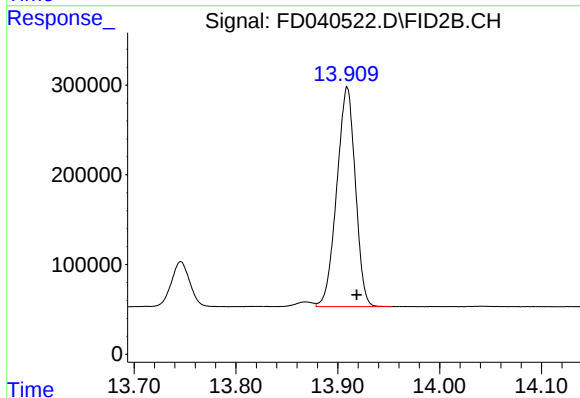
#13 n-Docosane (C22)

R.T.: 12.813 min
Delta R.T.: -0.009 min
Response: 2943928
Conc: 21.35 ug/ml

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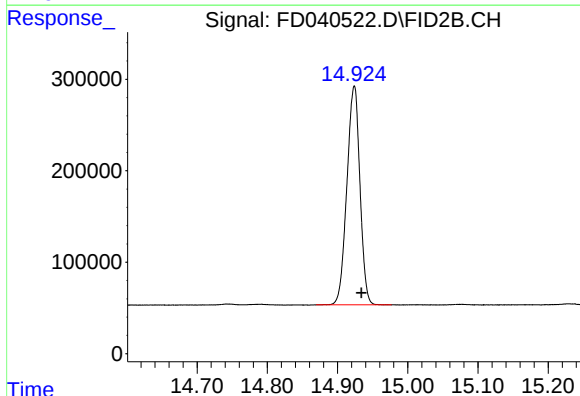
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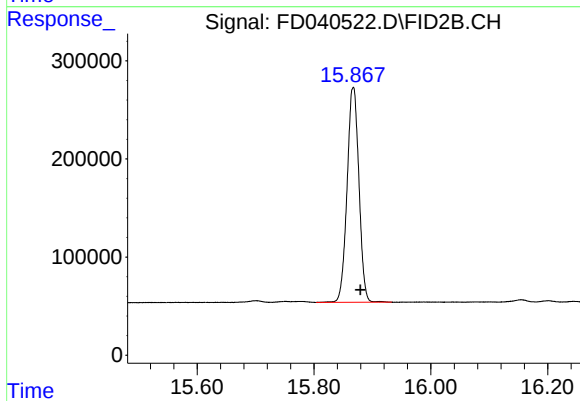
#14 n-Tetracosane (C24)

R.T.: 13.909 min
Delta R.T.: -0.009 min
Response: 3105253
Conc: 22.21 ug/ml



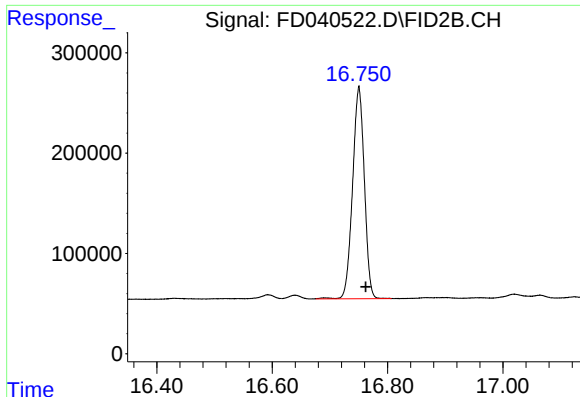
#15 n-Hexacosane (C26)

R.T.: 14.924 min
Delta R.T.: -0.010 min
Response: 3091822
Conc: 22.43 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.867 min
Delta R.T.: -0.012 min
Response: 3082201
Conc: 22.72 ug/ml



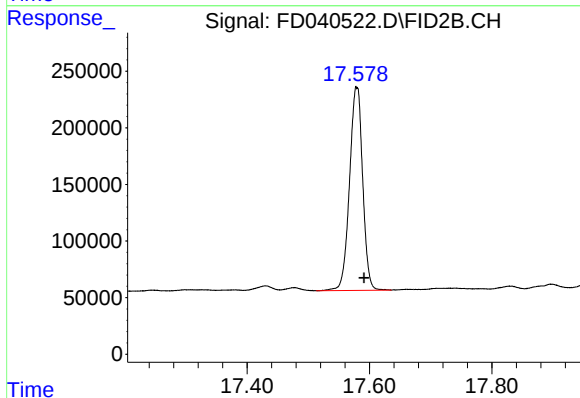
#17 n-Tricontane (C30)

R.T.: 16.750 min
Delta R.T.: -0.012 min
Response: 2995706
Conc: 22.98 ug/ml

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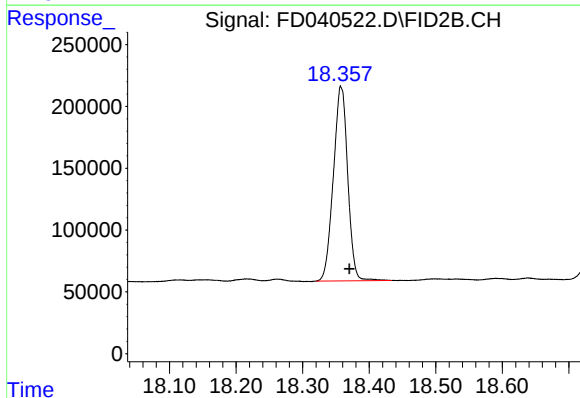
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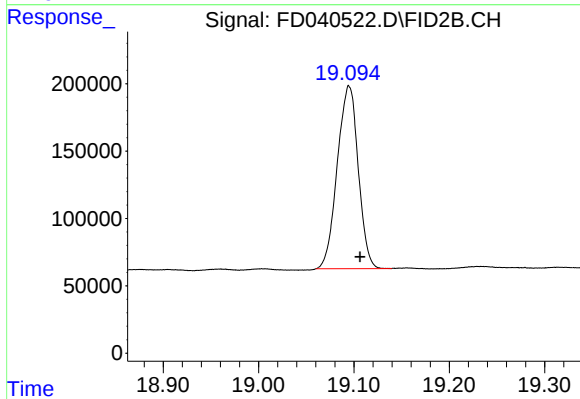
#18 n-Dotriacontane (C32)

R.T.: 17.579 min
Delta R.T.: -0.012 min
Response: 2682219
Conc: 22.44 ug/ml



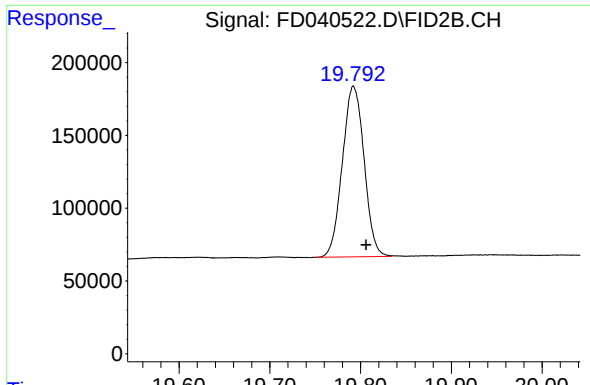
#19 n-Tetratriacontane (C34)

R.T.: 18.358 min
Delta R.T.: -0.012 min
Response: 2359263
Conc: 22.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.095 min
Delta R.T.: -0.011 min
Response: 2073693
Conc: 20.46 ug/ml



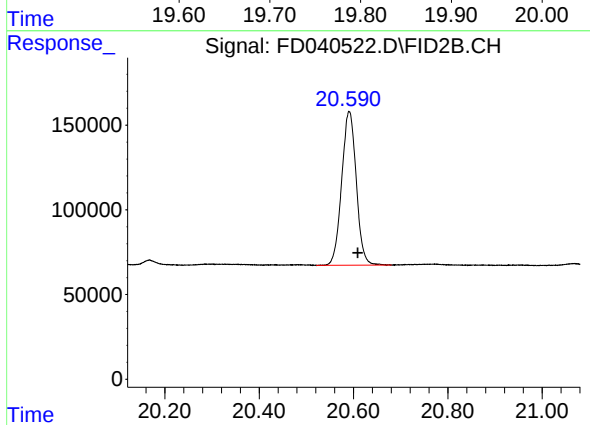
#21 n-Octatriacontane (C38)

R.T.: 19.792 min
Delta R.T.: -0.014 min
Response: 1949217
Conc: 21.82 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.591 min
Delta R.T.: -0.018 min
Response: 1944827
Conc: 22.75 ug/ml