

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112921AL\
 Data File : FD039665.D
 Signal(s) : FID2B.CH
 Acq On : 29 Nov 2021 11:37
 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 :Ankita Jodhani 11/29/2021
 Supervised By :mohammad ahmed 11/29/2021

Integration File: autoint1.e
 Quant Time: Nov 29 12:01:38 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 112321.M
 Quant Title : GC Extractables
 QLast Update : Wed Nov 24 01:36:43 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)	11.656	2393248	18.786 ug/ml
Spiked Amount 50.000		Recovery =	37.57%
12) S 1-chlorooctadecane (S...	13.083	1880978	19.122 ug/ml
Spiked Amount 50.000		Recovery =	38.24%
Target Compounds			
1) T n-Nonane (C9)	3.419	2128448	18.630 ug/ml
2) T n-Decane (C10)	4.487	2145259	18.653 ug/ml
3) T A~Naphthalene (C11.7)	6.078	2374052	18.657 ug/ml
4) T n-Dodecane (C12)	6.501	2145583	18.632 ug/ml
5) T A~2-methylnaphthalene...	7.133	2390842	18.775 ug/ml
6) T n-Tetradecane (C14)	8.294	2166942	18.701 ug/ml
7) T n-Hexadecane (C16)	9.892	2176390	18.718 ug/ml
8) T n-Octadecane (C18)	11.331	2229752	18.765 ug/ml
10) T n-Eicosane (C20)	12.638	2218740	18.910 ug/ml
11) T n-Heneicosane (C21)	13.248	2229836	18.956 ug/ml
13) T n-Docosane (C22)	13.834	2219887	19.138 ug/ml
14) T n-Tetracosane (C24)	14.933	2231420	19.122 ug/ml
15) T n-Hexacosane (C26)	15.951	2152178	19.422 ug/ml
16) T n-Octacosane (C28)	16.898	2146607	20.010 ug/ml
17) T n-Tricontane (C30)	17.781	2058562	19.312 ug/ml
18) T n-Dotriacontane (C32)	18.611	1883823	18.087 ug/ml
19) T n-Tetratriacontane (C34)	19.390	1738087	17.296 ug/mlm
20) T n-Hexatriacontane (C36)	20.128	1575972	16.378 ug/mlm
21) T n-Octatriacontane (C38)	20.866	1471751	15.682 ug/mlm
22) T n-Tetracontane (C40)	21.786	1551550	16.093 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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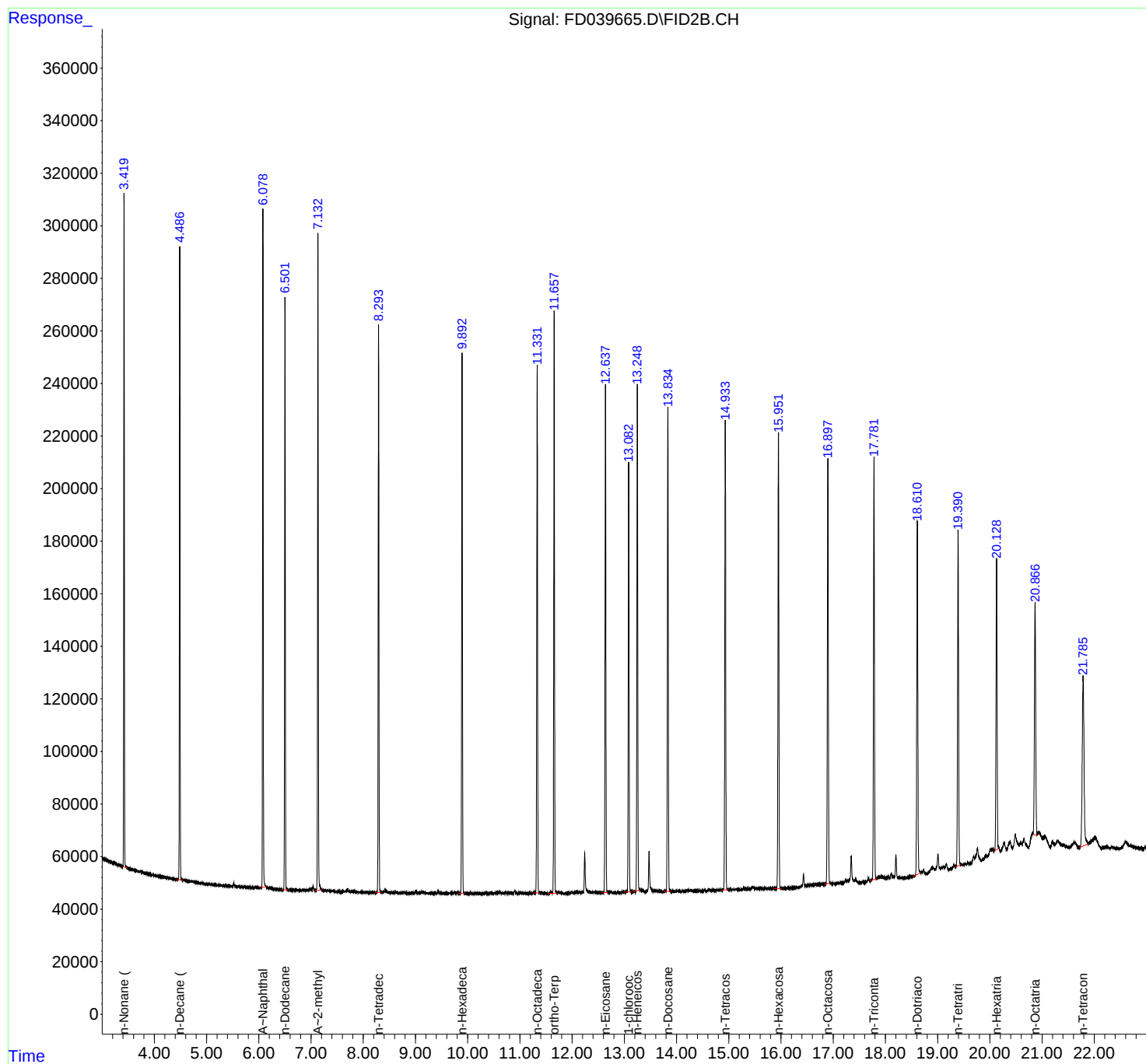
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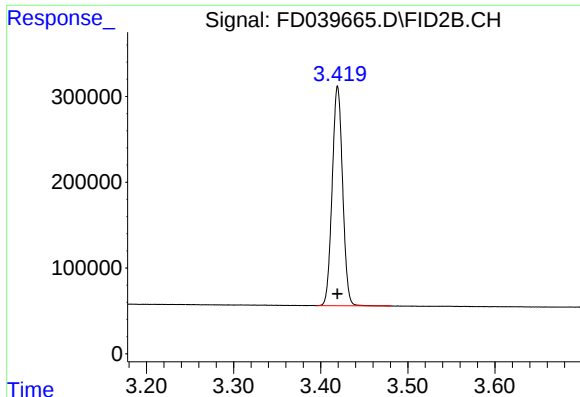
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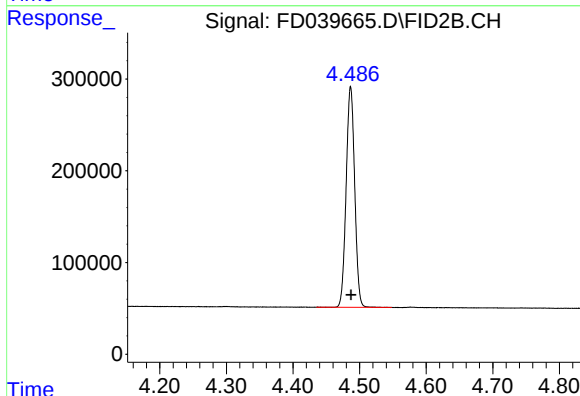
#1 n-Nonane (C9)

R.T.: 3.419 min
Delta R.T.: 0.000 min
Response: 2128448
Conc: 18.63 ug/ml

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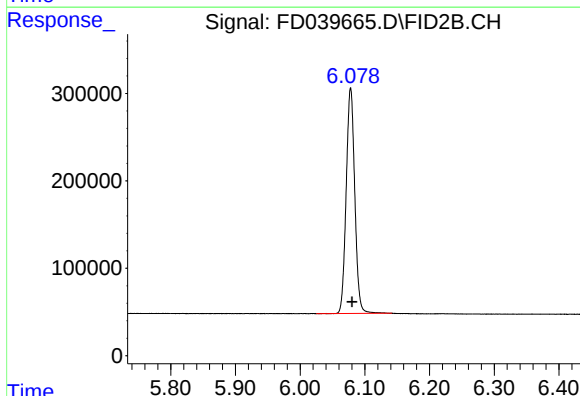
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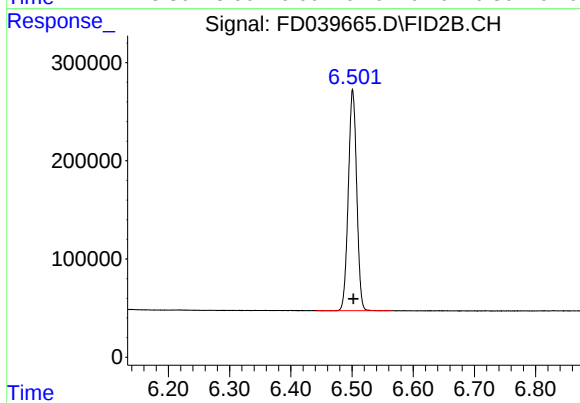
#2 n-Decane (C10)

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 2145259
Conc: 18.65 ug/ml



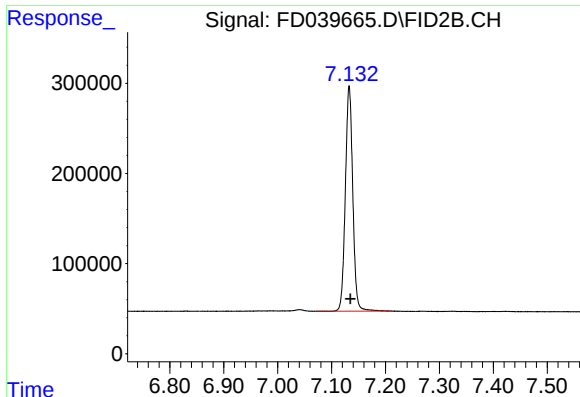
#3 A~Naphthalene (C11.7)

R.T.: 6.078 min
Delta R.T.: -0.002 min
Response: 2374052
Conc: 18.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.501 min
Delta R.T.: 0.000 min
Response: 2145583
Conc: 18.63 ug/ml



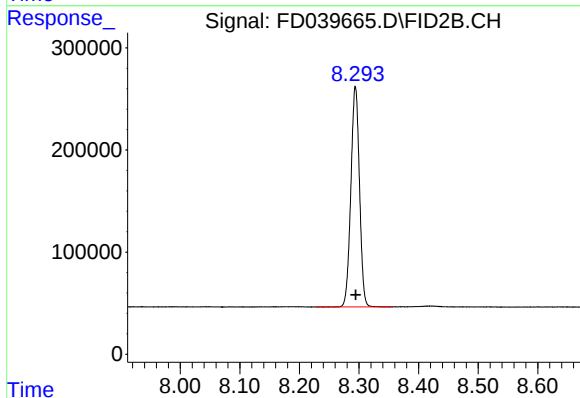
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.133 min
Delta R.T.: -0.002 min
Response: 2390842
Conc: 18.78 ug/ml

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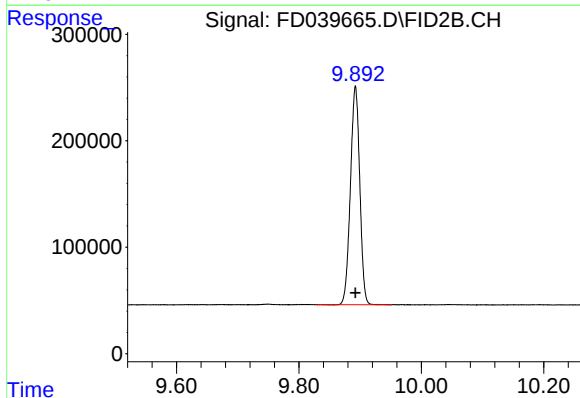
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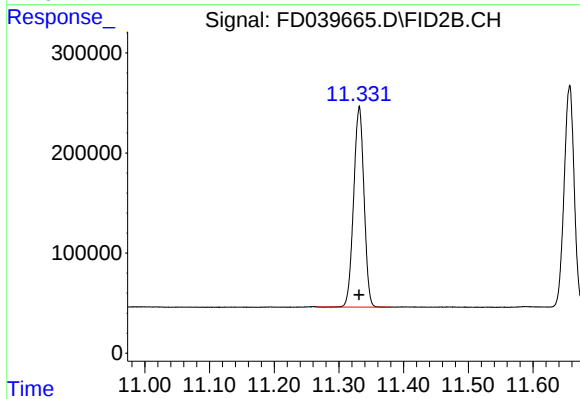
#6 n-Tetradecane (C14)

R.T.: 8.294 min
Delta R.T.: 0.000 min
Response: 2166942
Conc: 18.70 ug/ml



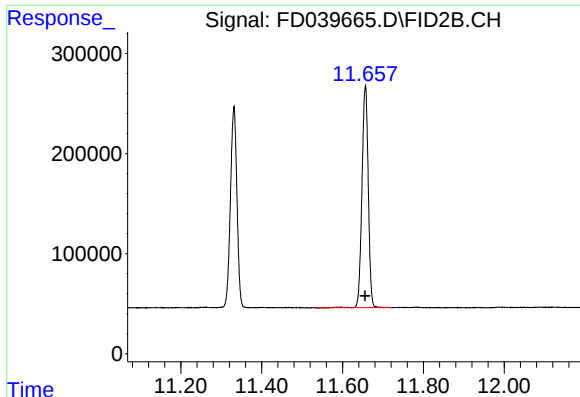
#7 n-Hexadecane (C16)

R.T.: 9.892 min
Delta R.T.: 0.000 min
Response: 2176390
Conc: 18.72 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.331 min
Delta R.T.: 0.000 min
Response: 2229752
Conc: 18.77 ug/ml



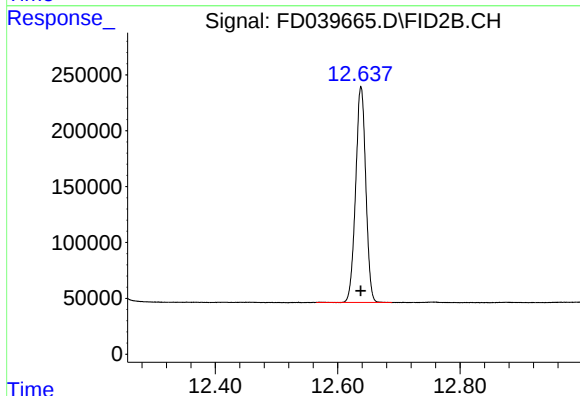
#9 ortho-Terphenyl (SURR)

R.T.: 11.656 min
Delta R.T.: 0.000 min
Response: 2393248
Conc: 18.79 ug/ml

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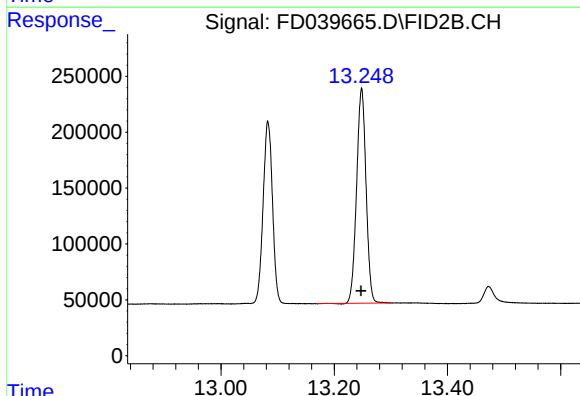
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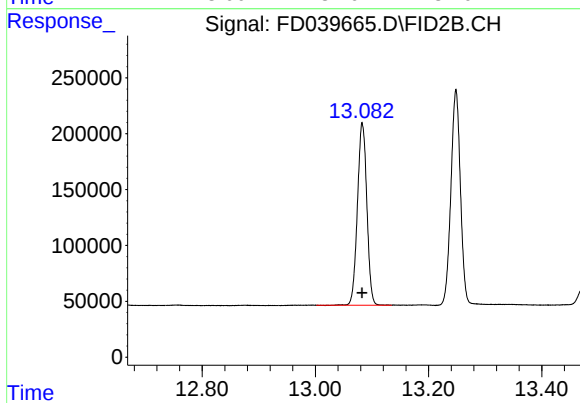
#10 n-Eicosane (C20)

R.T.: 12.638 min
Delta R.T.: 0.000 min
Response: 2218740
Conc: 18.91 ug/ml



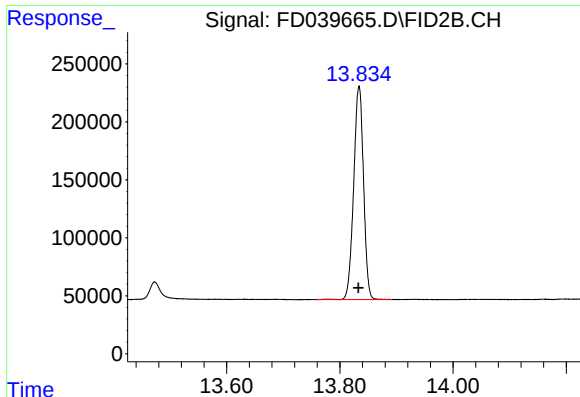
#11 n-Heneicosane (C21)

R.T.: 13.248 min
Delta R.T.: 0.000 min
Response: 2229836
Conc: 18.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.083 min
Delta R.T.: 0.000 min
Response: 1880978
Conc: 19.12 ug/ml



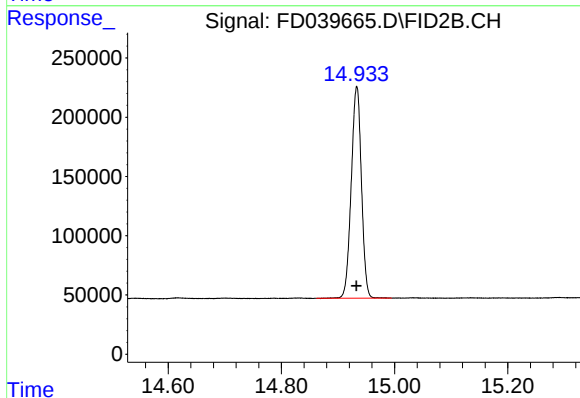
#13 n-Docosane (C22)

R.T.: 13.834 min
Delta R.T.: 0.001 min
Response: 2219887
Conc: 19.14 ug/ml

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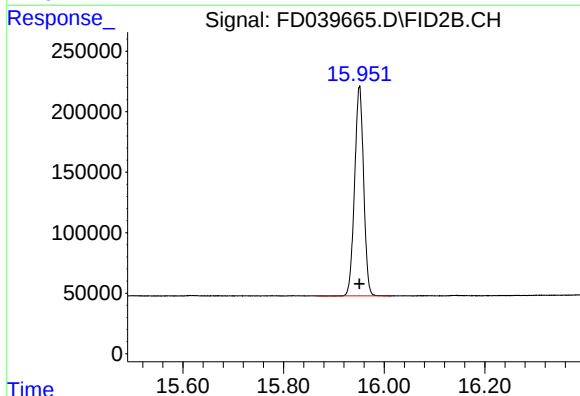
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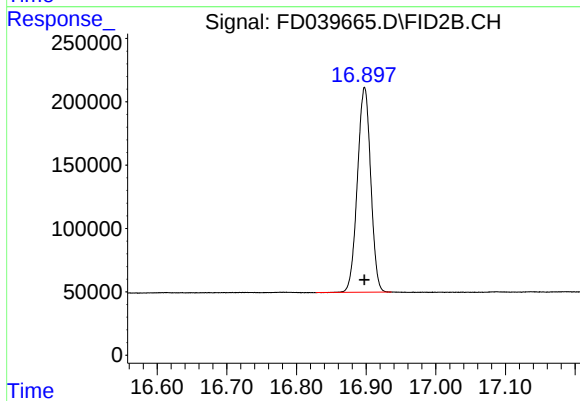
#14 n-Tetracosane (C24)

R.T.: 14.933 min
Delta R.T.: 0.000 min
Response: 2231420
Conc: 19.12 ug/ml



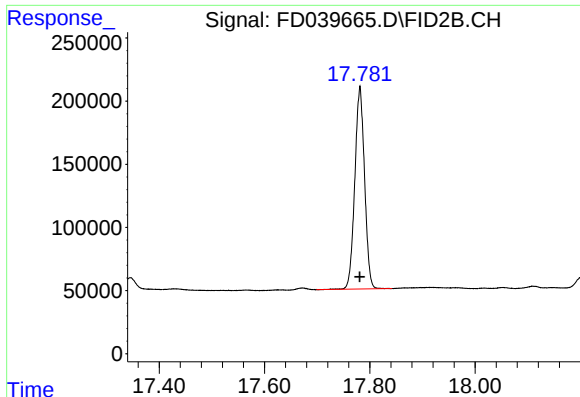
#15 n-Hexacosane (C26)

R.T.: 15.951 min
Delta R.T.: 0.000 min
Response: 2152178
Conc: 19.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.898 min
Delta R.T.: 0.000 min
Response: 2146607
Conc: 20.01 ug/ml



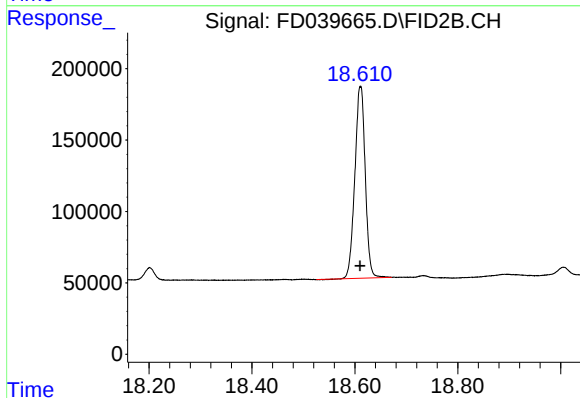
#17 n-Tricontane (C30)

R.T.: 17.781 min
Delta R.T.: 0.000 min
Response: 2058562
Conc: 19.31 ug/ml

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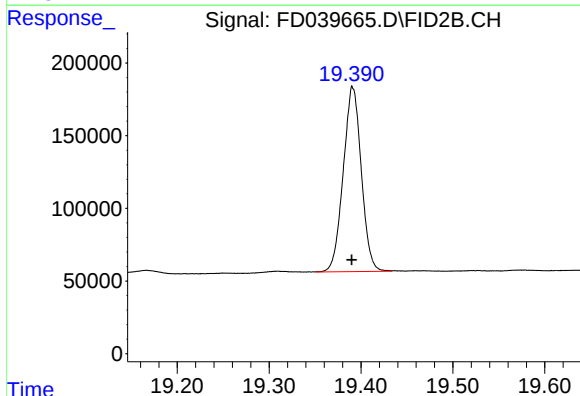
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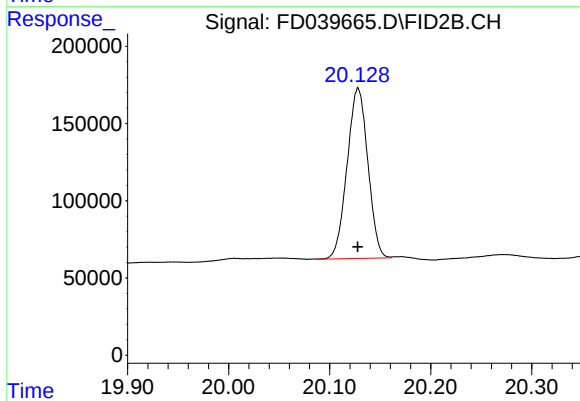
#18 n-Dotriacontane (C32)

R.T.: 18.611 min
Delta R.T.: 0.000 min
Response: 1883823
Conc: 18.09 ug/ml



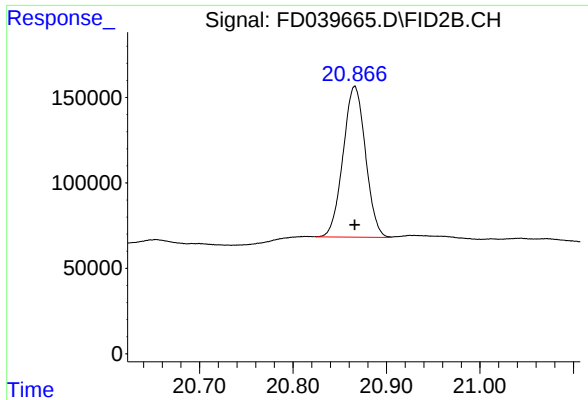
#19 n-Tetratriacontane (C34)

R.T.: 19.390 min
Delta R.T.: 0.000 min
Response: 1738087
Conc: 17.30 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.128 min
Delta R.T.: 0.000 min
Response: 1575972
Conc: 16.38 ug/ml m



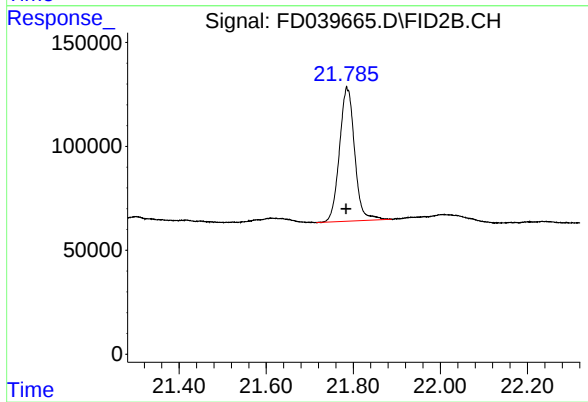
#21 n-Octatriacontane (C38)

R.T.: 20.866 min
Delta R.T.: 0.000 min
Response: 1471751
Conc: 15.68 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.786 min
Delta R.T.: 0.002 min
Response: 1551550
Conc: 16.09 ug/ml