

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD030222AL\
 Data File : FD041347.D
 Signal(s) : FID2B.CH
 Acq On : 02 Mar 2022 10:17
 Operator : UA/NP
 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 03/03/2022
 Supervised By :Ankita Jodhani 03/03/2022

Integration File: autoint1.e
 Quant Time: Mar 03 01:12:21 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 022322.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 24 01:21:33 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)	11.247	3324785	19.167 ug/ml
Spiked Amount 50.000		Recovery =	38.33%
12) S 1-chlorooctadecane (S...	12.687	2643451	19.525 ug/ml
Spiked Amount 50.000		Recovery =	39.05%
Target Compounds			
1) T n-Nonane (C9)	3.107	2888620	19.837 ug/ml
2) T n-Decane (C10)	4.155	2916509	20.198 ug/ml
3) T A~Naphthalene (C11.7)	5.706	3149738	19.717 ug/ml
4) T n-Dodecane (C12)	6.152	2947068	19.899 ug/ml
5) T A~2-methylnaphthalene...	6.753	3169318	19.805 ug/ml
6) T n-Tetradecane (C14)	7.930	2970474	19.842 ug/ml
7) T n-Hexadecane (C16)	9.518	2989242	19.636 ug/ml
8) T n-Octadecane (C18)	10.950	2998716	19.293 ug/ml
10) T n-Eicosane (C20)	12.250	2995431	19.295 ug/ml
11) T n-Heneicosane (C21)	12.858	2963657	18.927 ug/ml
13) T n-Docosane (C22)	13.441	2986160	19.067 ug/ml
14) T n-Tetracosane (C24)	14.538	2980769	19.004 ug/ml
15) T n-Hexacosane (C26)	15.553	2905622	18.911 ug/ml
16) T n-Octacosane (C28)	16.499	2893986	19.445 ug/ml
17) T n-Tricontane (C30)	17.382	2915868	20.723 ug/ml
18) T n-Dotriacontane (C32)	18.209	2821894	22.180 ug/ml
19) T n-Tetratriacontane (C34)	18.987	2524354	22.163 ug/ml
20) T n-Hexatriacontane (C36)	19.725	2351897	22.947 ug/ml
21) T n-Octatriacontane (C38)	20.422	2220825	23.391 ug/mlm
22) T n-Tetracontane (C40)	21.208	2139082	22.571 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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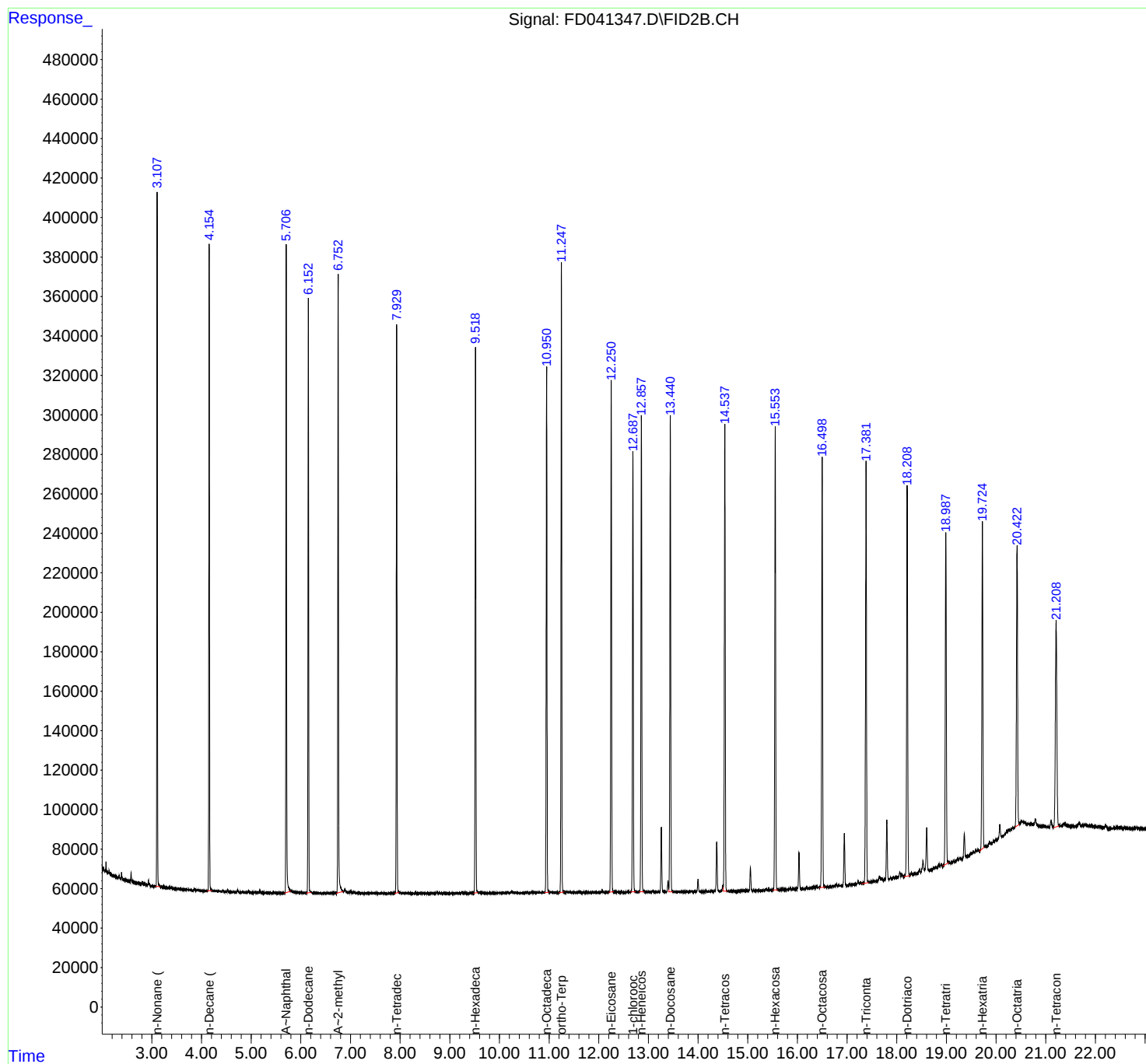
Instrument :
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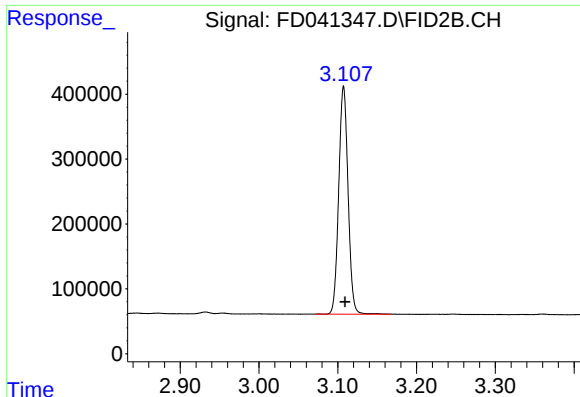
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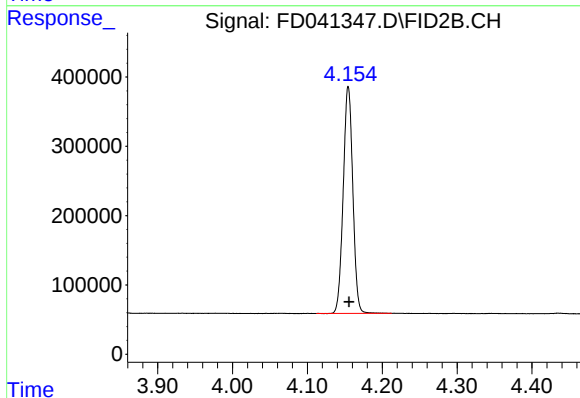
#1 n-Nonane (C9)

R.T.: 3.107 min
Delta R.T.: -0.002 min
Response: 2888620
Conc: 19.84 ug/ml

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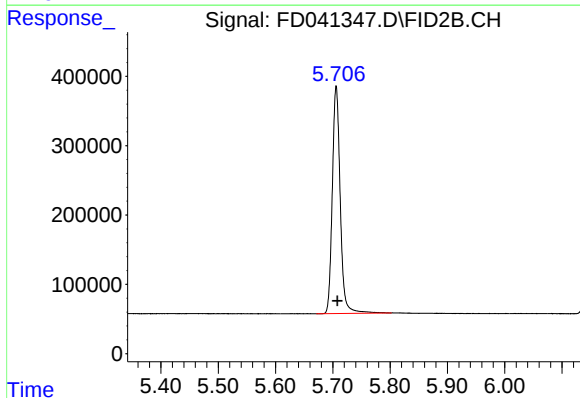
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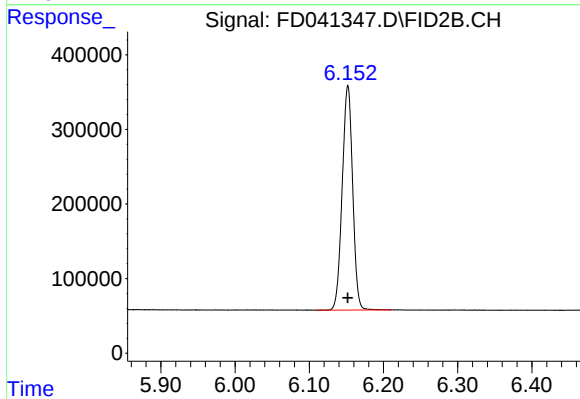
#2 n-Decane (C10)

R.T.: 4.155 min
Delta R.T.: 0.000 min
Response: 2916509
Conc: 20.20 ug/ml



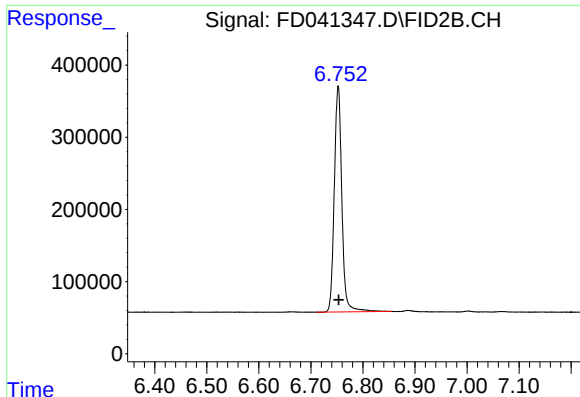
#3 A~Naphthalene (C11.7)

R.T.: 5.706 min
Delta R.T.: -0.002 min
Response: 3149738
Conc: 19.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.152 min
Delta R.T.: 0.000 min
Response: 2947068
Conc: 19.90 ug/ml



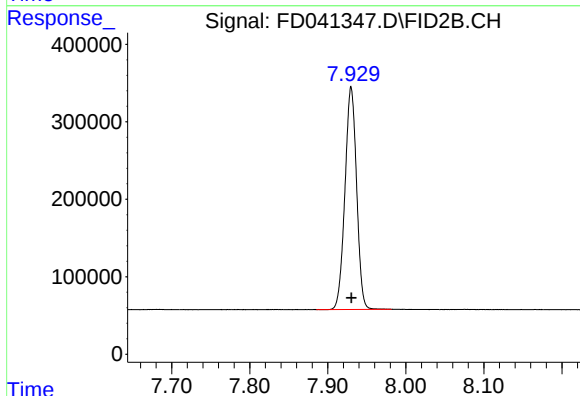
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 3169318
Conc: 19.80 ug/ml

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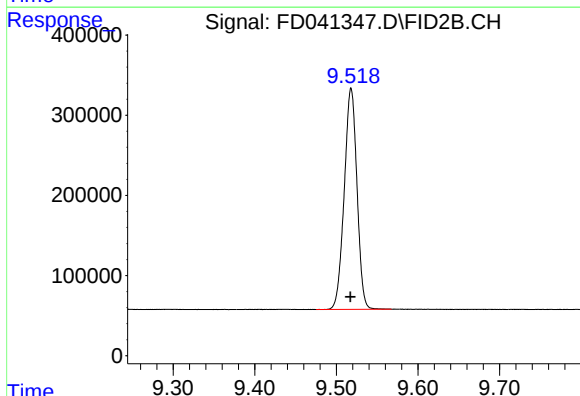
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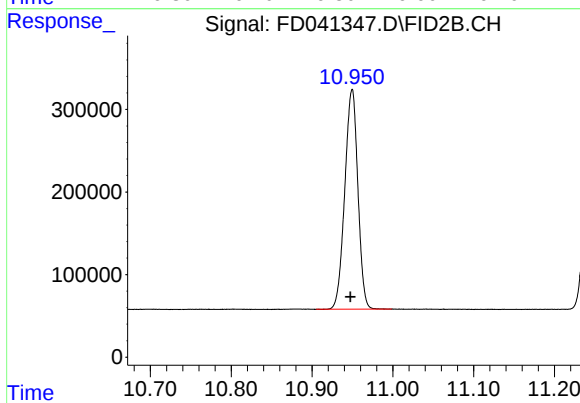
#6 n-Tetradecane (C14)

R.T.: 7.930 min
Delta R.T.: 0.000 min
Response: 2970474
Conc: 19.84 ug/ml



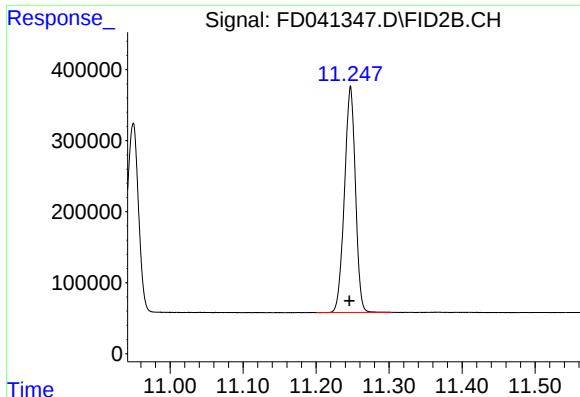
#7 n-Hexadecane (C16)

R.T.: 9.518 min
Delta R.T.: 0.000 min
Response: 2989242
Conc: 19.64 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.950 min
Delta R.T.: 0.002 min
Response: 2998716
Conc: 19.29 ug/ml



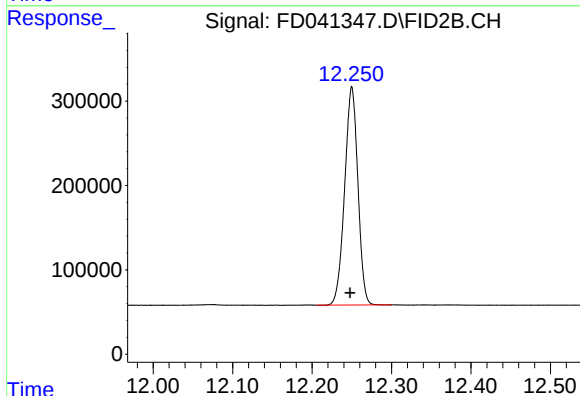
#9 ortho-Terphenyl (SURR)

R.T.: 11.247 min
Delta R.T.: 0.002 min
Response: 3324785
Conc: 19.17 ug/ml

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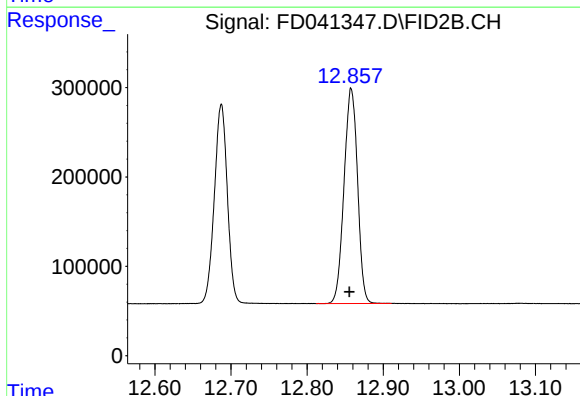
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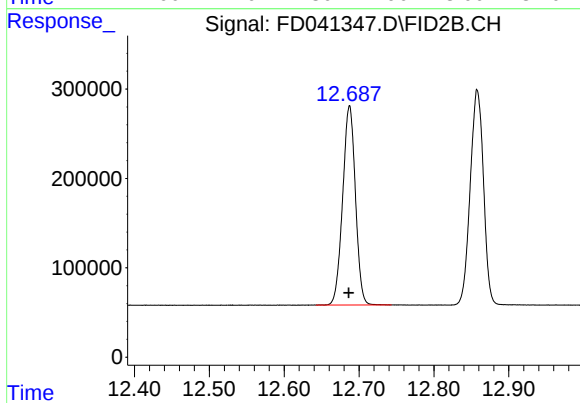
#10 n-Eicosane (C20)

R.T.: 12.250 min
Delta R.T.: 0.002 min
Response: 2995431
Conc: 19.30 ug/ml



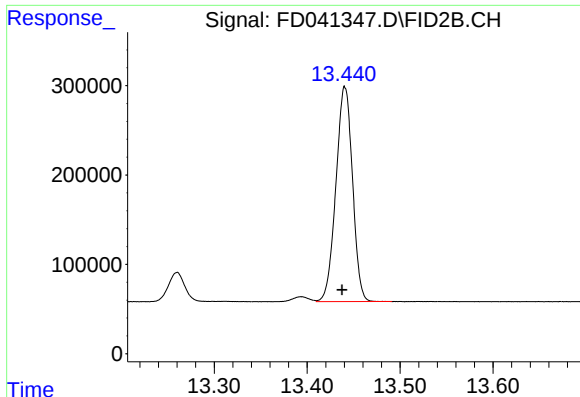
#11 n-Heneicosane (C21)

R.T.: 12.858 min
Delta R.T.: 0.002 min
Response: 2963657
Conc: 18.93 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.687 min
Delta R.T.: 0.001 min
Response: 2643451
Conc: 19.53 ug/ml



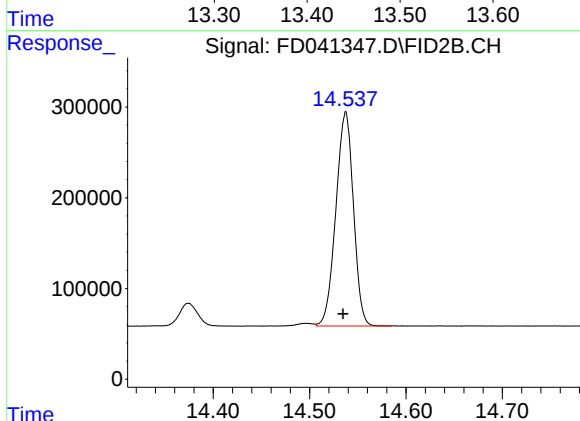
#13 n-Docosane (C22)

R.T.: 13.441 min
Delta R.T.: 0.003 min
Response: 2986160
Conc: 19.07 ug/ml

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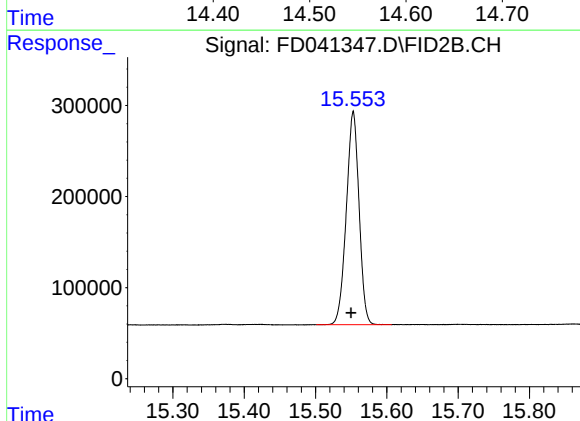
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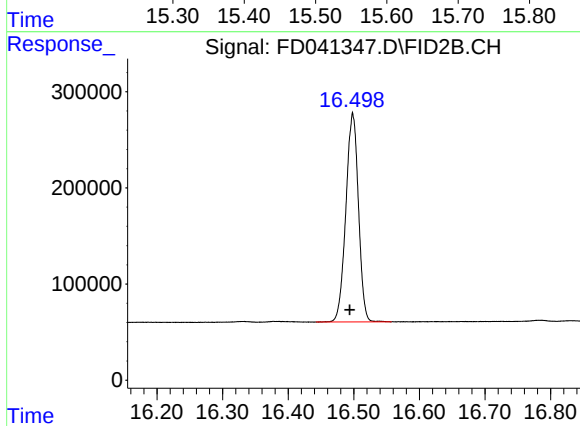
#14 n-Tetracosane (C24)

R.T.: 14.538 min
Delta R.T.: 0.003 min
Response: 2980769
Conc: 19.00 ug/ml



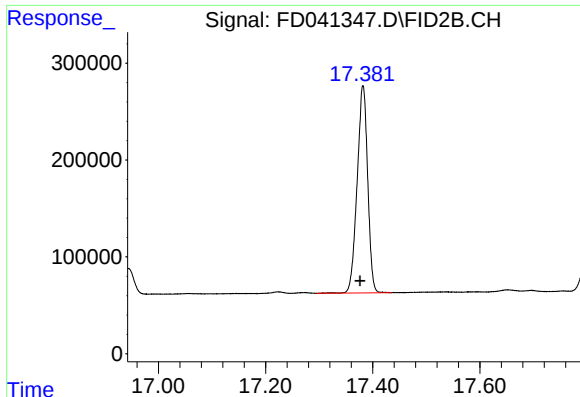
#15 n-Hexacosane (C26)

R.T.: 15.553 min
Delta R.T.: 0.003 min
Response: 2905622
Conc: 18.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.499 min
Delta R.T.: 0.004 min
Response: 2893986
Conc: 19.45 ug/ml



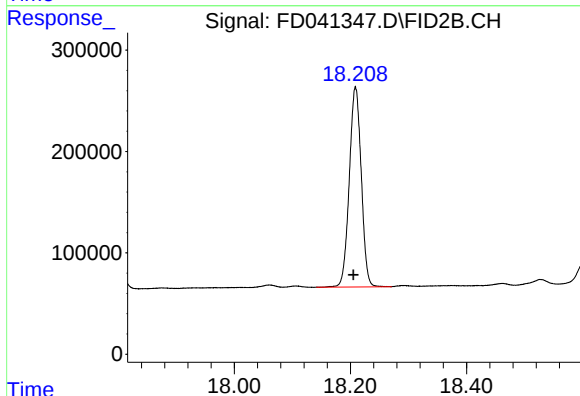
#17 n-Tricontane (C30)

R.T.: 17.382 min
Delta R.T.: 0.005 min
Response: 2915868
Conc: 20.72 ug/ml

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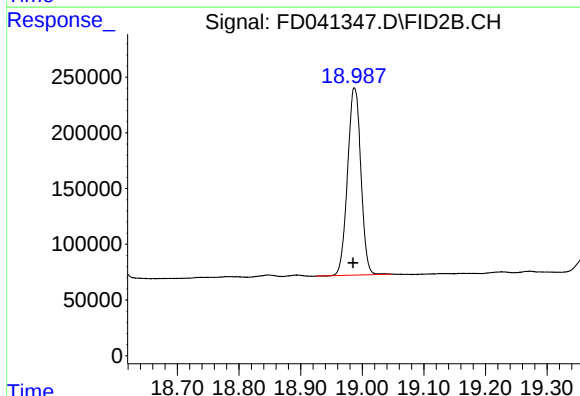
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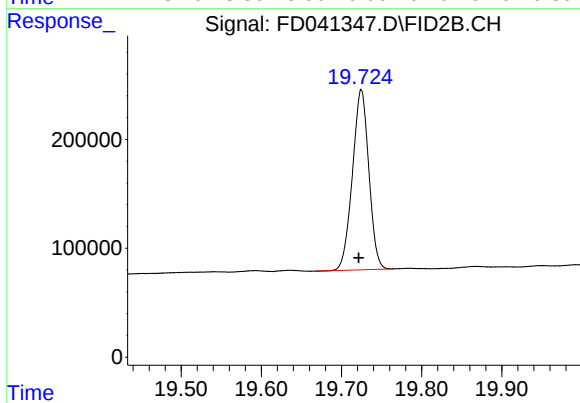
#18 n-Dotriacontane (C32)

R.T.: 18.209 min
Delta R.T.: 0.004 min
Response: 2821894
Conc: 22.18 ug/ml



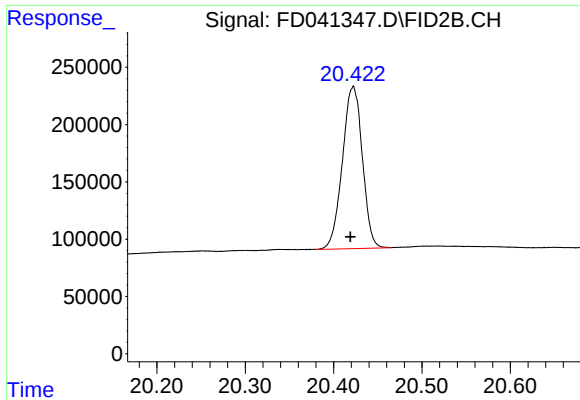
#19 n-Tetratriacontane (C34)

R.T.: 18.987 min
Delta R.T.: 0.003 min
Response: 2524354
Conc: 22.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.725 min
Delta R.T.: 0.003 min
Response: 2351897
Conc: 22.95 ug/ml



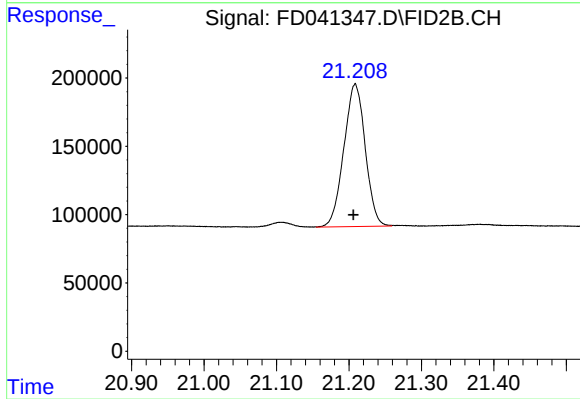
#21 n-Octatriacontane (C38)

R.T.: 20.422 min
Delta R.T.: 0.003 min
Response: 2220825
Conc: 23.39 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.208 min
Delta R.T.: 0.002 min
Response: 2139082
Conc: 22.57 ug/ml m