

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051022AL\
 Data File : FD042405.D
 Signal(s) : FID2B.CH
 Acq On : 11 May 2022 3:07
 Operator : UA/NP
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/11/2022
 Supervised By :mohammad ahmed 05/11/2022

Integration File: sample.E
 Quant Time: May 11 04:49:02 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 042122.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 22 01:55:29 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)	11.208	3093838	18.448 ug/ml
Spiked Amount 50.000		Recovery =	36.90%
12) S 1-chlorooctadecane (S...	12.647	2412645	18.283 ug/ml
Spiked Amount 50.000		Recovery =	36.57%
Target Compounds			
1) T n-Nonane (C9)	3.082	2748952	20.168 ug/ml
2) T n-Decane (C10)	4.127	2760791	20.601 ug/ml
3) T A~Naphthalene (C11.7)	5.677	2869223	19.794 ug/ml
4) T n-Dodecane (C12)	6.120	2882591	20.248 ug/ml
5) T A~2-methylnaphthalene...	6.723	2875410	20.634 ug/ml
6) T n-Tetradecane (C14)	7.895	2885826	20.259 ug/ml
7) T n-Hexadecane (C16)	9.481	2906991	20.004 ug/ml
8) T n-Octadecane (C18)	10.911	2926122	19.524 ug/ml
10) T n-Eicosane (C20)	12.210	2906998	18.992 ug/ml
11) T n-Heneicosane (C21)	12.818	2839069	18.416 ug/ml
13) T n-Docosane (C22)	13.399	3049967	19.786 ug/ml
14) T n-Tetracosane (C24)	14.495	3300726	21.343 ug/ml
15) T n-Hexacosane (C26)	15.509	3505945	22.793 ug/ml
16) T n-Octacosane (C28)	16.454	3708996	24.259 ug/ml
17) T n-Tricontane (C30)	17.335	3742489	24.950 ug/mlm
18) T n-Dotriacontane (C32)	18.163	3414787	24.150 ug/ml
19) T n-Tetratriacontane (C34)	18.940	2916150	22.660 ug/mlm
20) T n-Hexatriacontane (C36)	19.677	2430348	21.477 ug/ml
21) T n-Octatriacontane (C38)	20.374	2385982	23.913 ug/ml
22) T n-Tetracontane (C40)	21.145	2111936	23.414 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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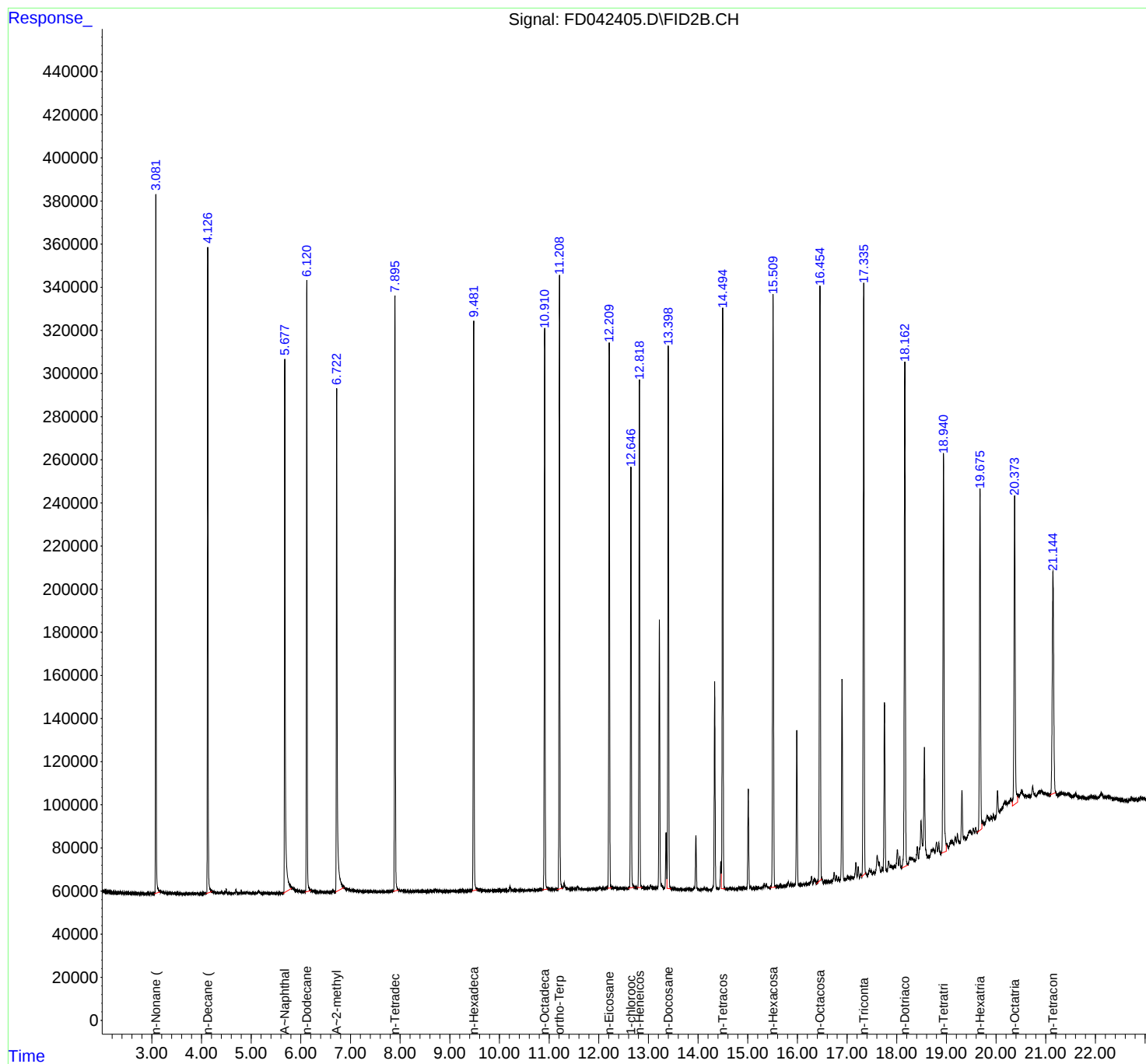
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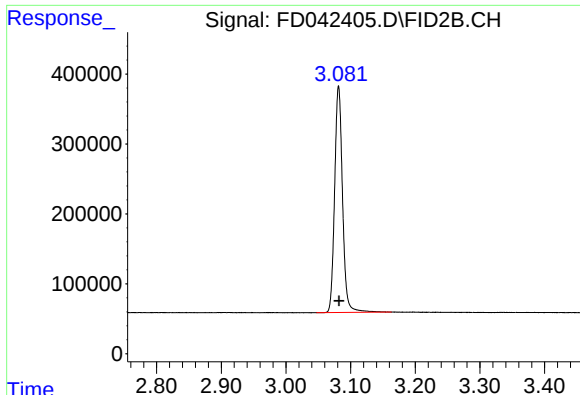
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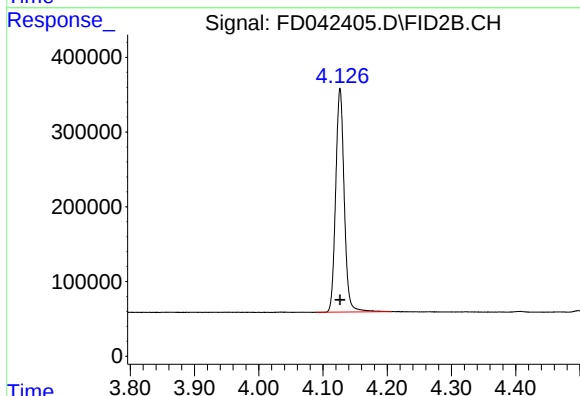
#1 n-Nonane (C9)

R.T.: 3.082 min
Delta R.T.: 0.000 min
Response: 2748952
Conc: 20.17 ug/ml

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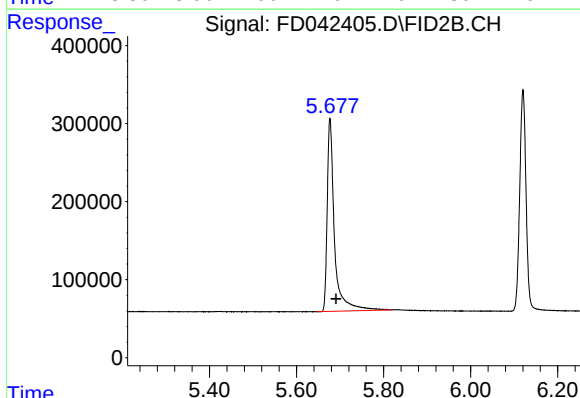
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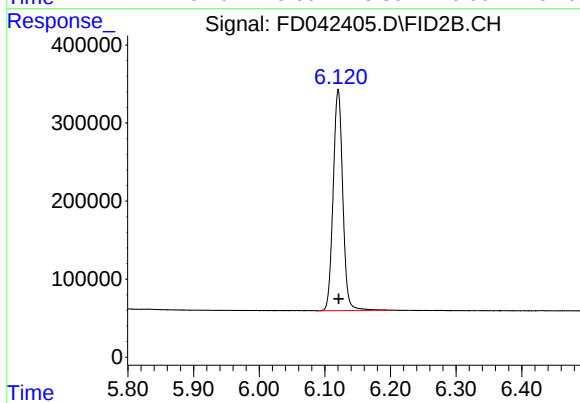
#2 n-Decane (C10)

R.T.: 4.127 min
Delta R.T.: 0.000 min
Response: 2760791
Conc: 20.60 ug/ml



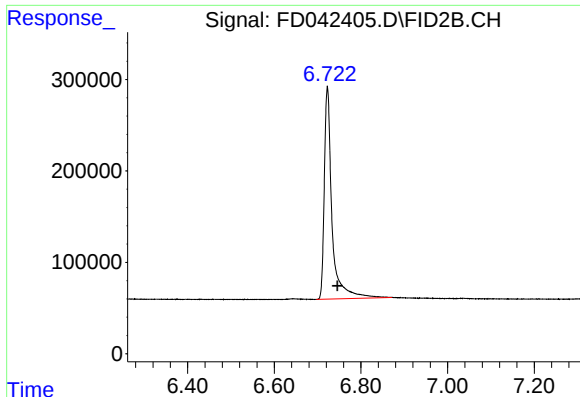
#3 A~Naphthalene (C11.7)

R.T.: 5.677 min
Delta R.T.: -0.014 min
Response: 2869223
Conc: 19.79 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.120 min
Delta R.T.: 0.000 min
Response: 2882591
Conc: 20.25 ug/ml



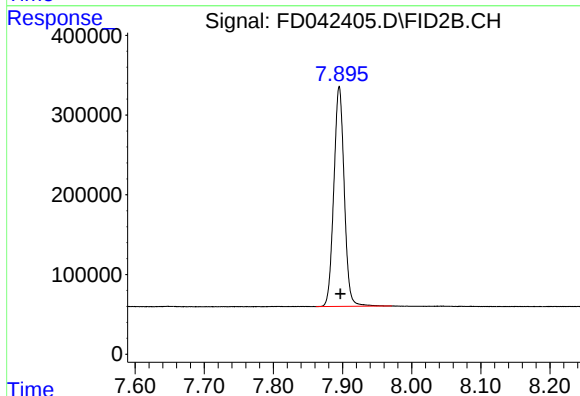
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.723 min
Delta R.T.: -0.023 min
Response: 2875410
Conc: 20.63 ug/ml

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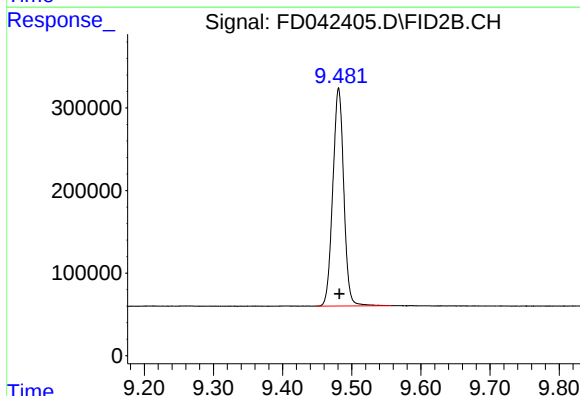
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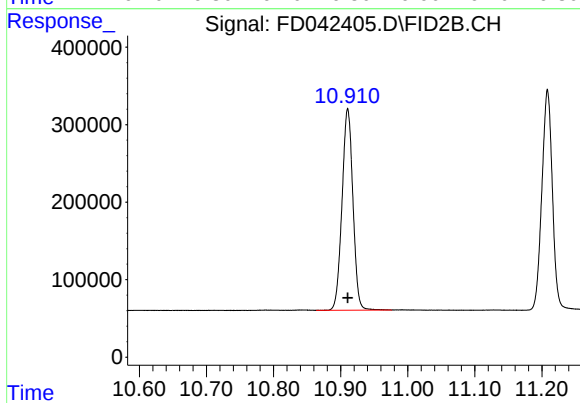
#6 n-Tetradecane (C14)

R.T.: 7.895 min
Delta R.T.: -0.002 min
Response: 2885826
Conc: 20.26 ug/ml



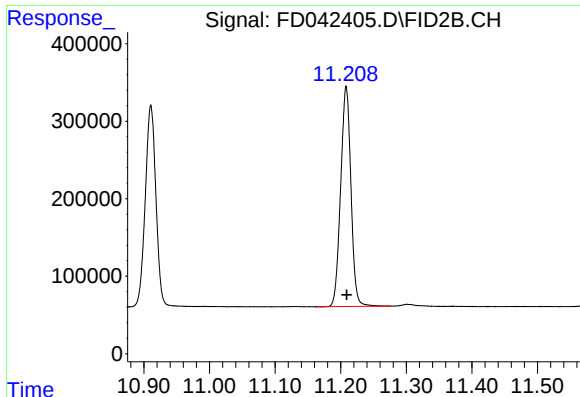
#7 n-Hexadecane (C16)

R.T.: 9.481 min
Delta R.T.: -0.001 min
Response: 2906991
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.911 min
Delta R.T.: 0.000 min
Response: 2926122
Conc: 19.52 ug/ml



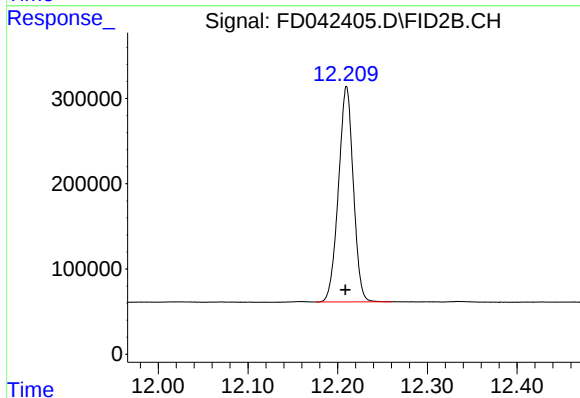
#9 ortho-Terphenyl (SURR)

R.T.: 11.208 min
Delta R.T.: 0.000 min
Response: 3093838
Conc: 18.45 ug/ml

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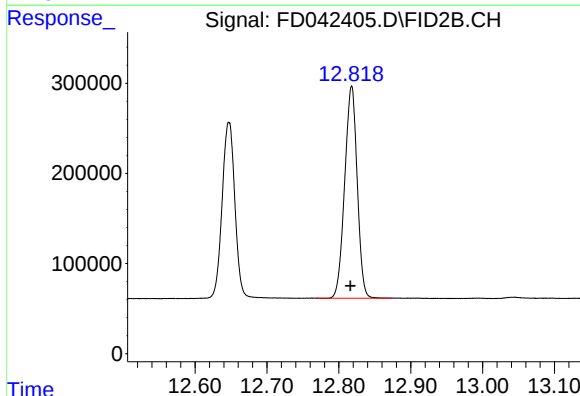
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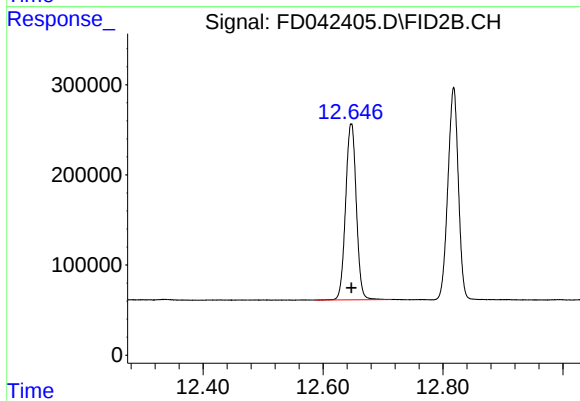
#10 n-Eicosane (C20)

R.T.: 12.210 min
Delta R.T.: 0.001 min
Response: 2906998
Conc: 18.99 ug/ml



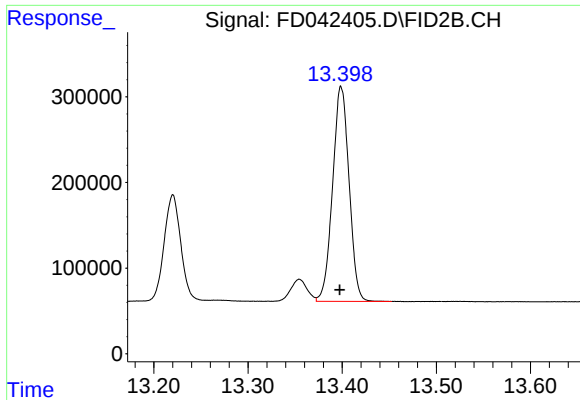
#11 n-Heneicosane (C21)

R.T.: 12.818 min
Delta R.T.: 0.002 min
Response: 2839069
Conc: 18.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.647 min
Delta R.T.: 0.000 min
Response: 2412645
Conc: 18.28 ug/ml



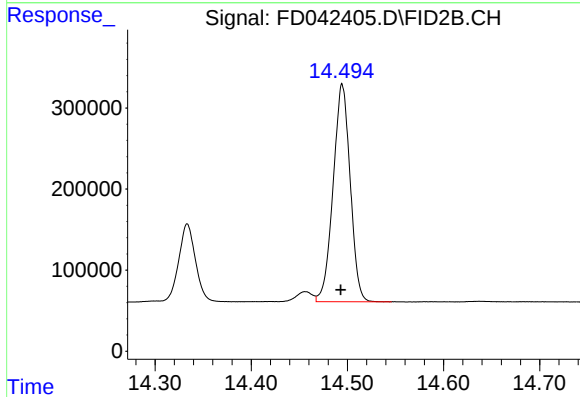
#13 n-Docosane (C22)

R.T.: 13.399 min
Delta R.T.: 0.001 min
Response: 3049967
Conc: 19.79 ug/ml

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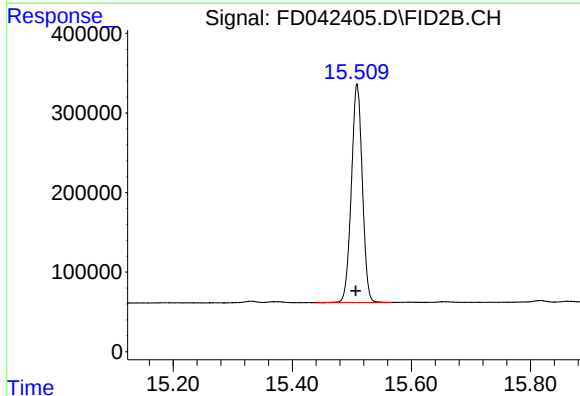
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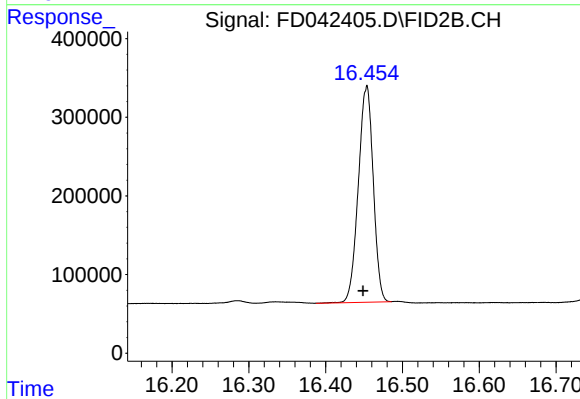
#14 n-Tetracosane (C24)

R.T.: 14.495 min
Delta R.T.: 0.002 min
Response: 3300726
Conc: 21.34 ug/ml



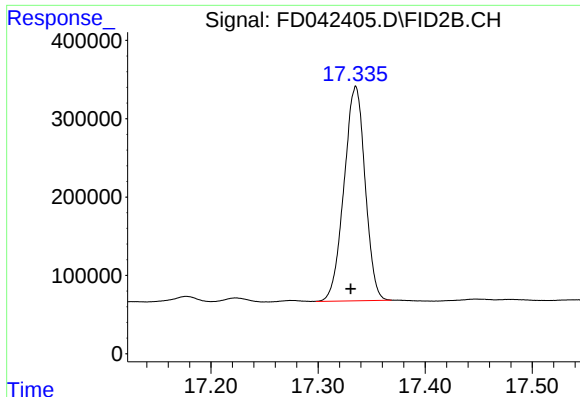
#15 n-Hexacosane (C26)

R.T.: 15.509 min
Delta R.T.: 0.002 min
Response: 3505945
Conc: 22.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.454 min
Delta R.T.: 0.005 min
Response: 3708996
Conc: 24.26 ug/ml



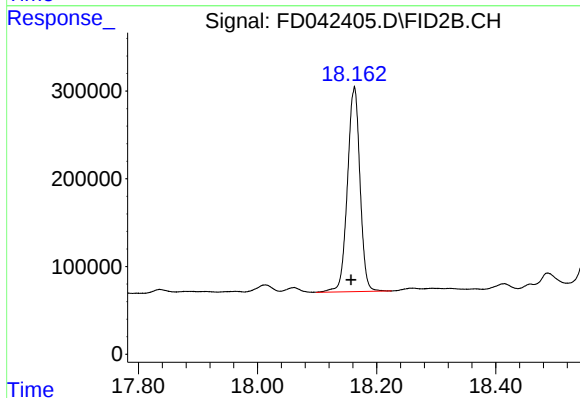
#17 n-Tricontane (C30)

R.T.: 17.335 min
Delta R.T.: 0.004 min
Response: 3742489
Conc: 24.95 ug/ml

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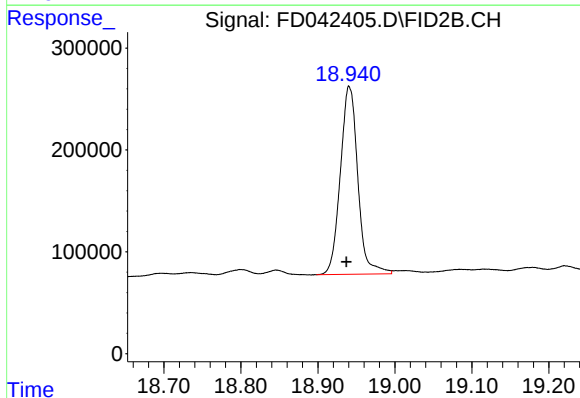
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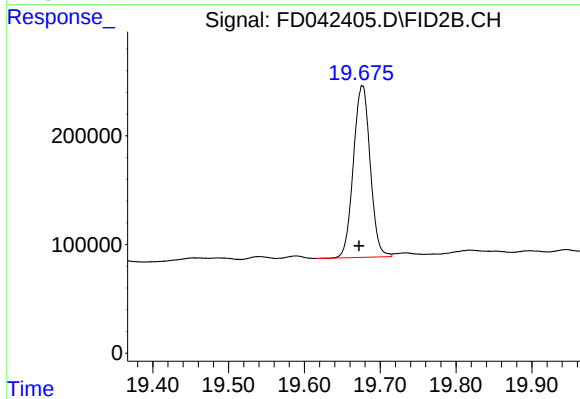
#18 n-Dotriacontane (C32)

R.T.: 18.163 min
Delta R.T.: 0.005 min
Response: 3414787
Conc: 24.15 ug/ml



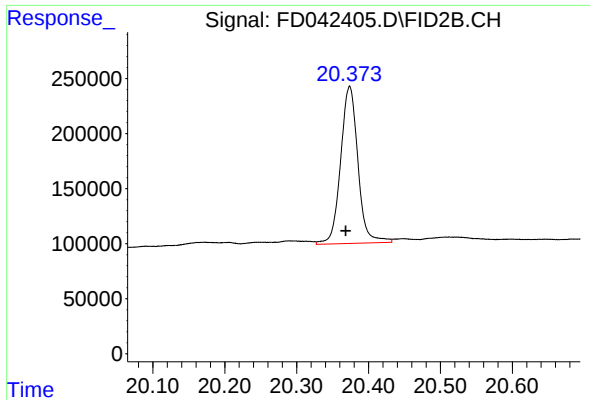
#19 n-Tetratriacontane (C34)

R.T.: 18.940 min
Delta R.T.: 0.003 min
Response: 2916150
Conc: 22.66 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.677 min
Delta R.T.: 0.005 min
Response: 2430348
Conc: 21.48 ug/ml



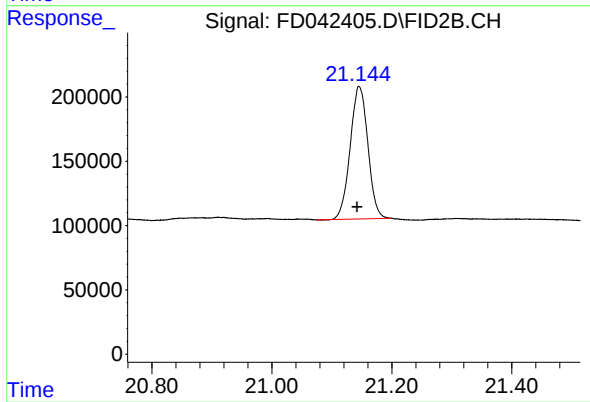
#21 n-Octatriacontane (C38)

R.T.: 20.374 min
Delta R.T.: 0.005 min
Response: 2385982
Conc: 23.91 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.145 min
Delta R.T.: 0.003 min
Response: 2111936
Conc: 23.41 ug/ml