

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121521AL\
 Data File : FD039945.D
 Signal(s) : FID2B.CH
 Acq On : 16 Dec 2021 5:44
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Ankita Jodhani 12/16/2021
 Supervised By :Yogesh Patel 12/16/2021

Integration File: sample.E
 Quant Time: Dec 16 06:23:19 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 121521.M
 Quant Title : GC Extractables
 QLast Update : Wed Dec 15 16:44:55 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)	10.784	3139533	19.999 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	12.217	2482764	20.104 ug/ml
Spiked Amount 50.000		Recovery =	40.21%
Target Compounds			
1) T n-Nonane (C9)	2.677	2796794	19.874 ug/ml
2) T n-Decane (C10)	3.680	2841960	19.925 ug/ml
3) T A~Naphthalene (C11.7)	5.232	3187207	19.855 ug/ml
4) T n-Dodecane (C12)	5.662	2839352	19.886 ug/ml
5) T A~2-methylnaphthalene...	6.277	3216910	19.934 ug/ml
6) T n-Tetradecane (C14)	7.445	2874521	19.944 ug/ml
7) T n-Hexadecane (C16)	9.037	2900911	19.941 ug/ml
8) T n-Octadecane (C18)	10.472	2972643	19.977 ug/ml
10) T n-Eicosane (C20)	11.775	2932530	20.051 ug/ml
11) T n-Heneicosane (C21)	12.385	2947589	20.063 ug/ml
13) T n-Docosane (C22)	12.969	2922964	20.017 ug/ml
14) T n-Tetracosane (C24)	14.068	2901357	19.921 ug/ml
15) T n-Hexacosane (C26)	15.085	2794975	19.927 ug/ml
16) T n-Octacosane (C28)	16.031	2714719	20.016 ug/ml
17) T n-Tricontane (C30)	16.916	2623229	20.075 ug/ml
18) T n-Dotriacontane (C32)	17.746	2511895	20.183 ug/ml
19) T n-Tetratriacontane (C34)	18.529	2441238	20.212 ug/mlm
20) T n-Hexatriacontane (C36)	19.268	2315116	20.131 ug/mlm
21) T n-Octatriacontane (C38)	19.983	2238171	20.051 ug/mlm
22) T n-Tetracontane (C40)	20.845	2272942	19.948 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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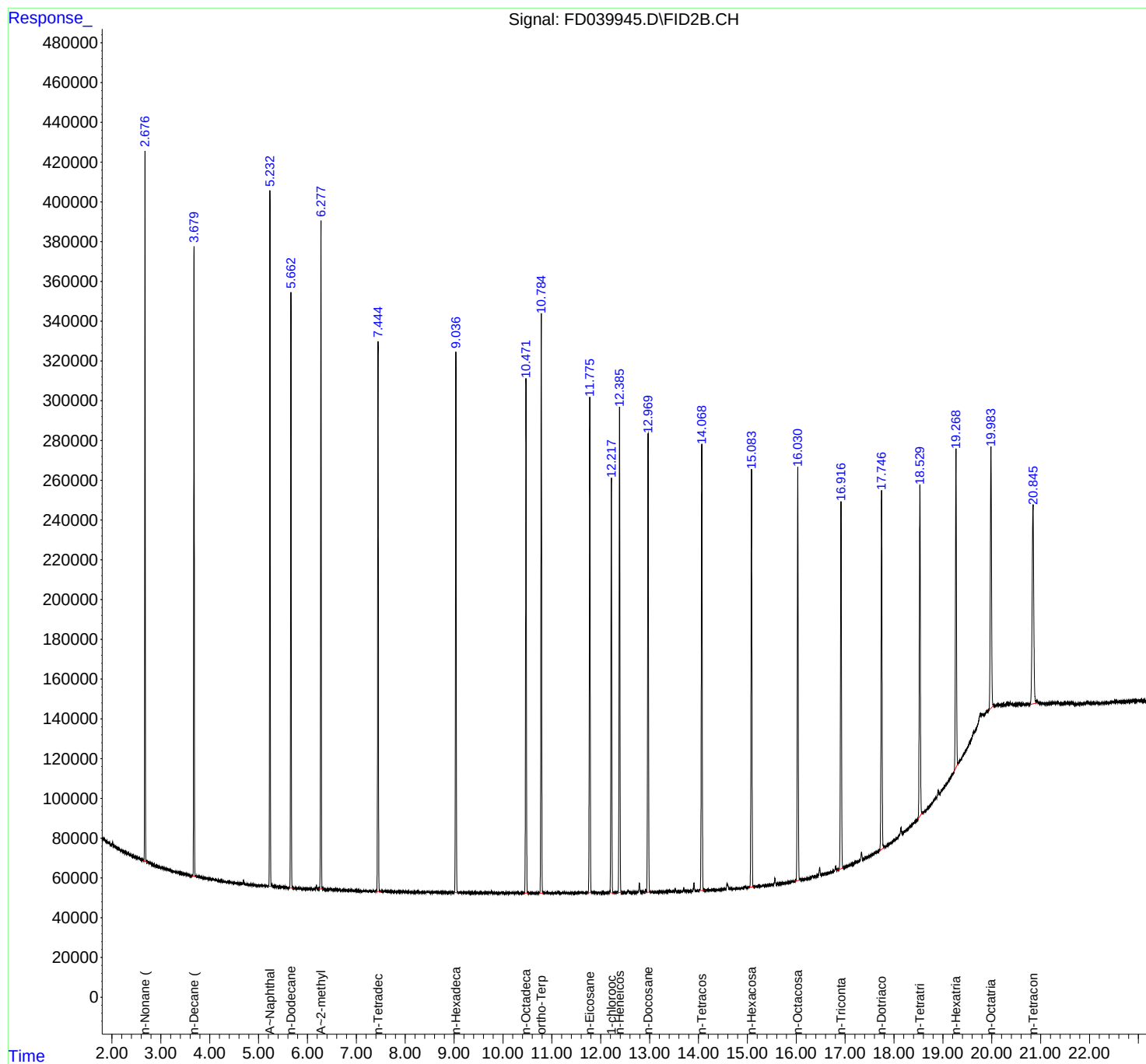
Instrument :
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20 PPM ALIPHATIC HC STD

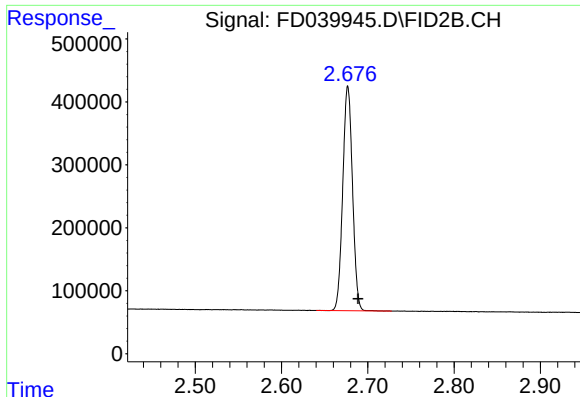
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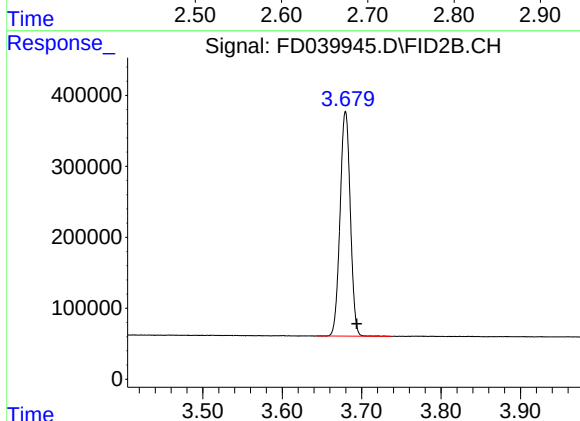
#1 n-Nonane (C9)

R.T.: 2.677 min
Delta R.T.: -0.012 min
Response: 2796794
Conc: 19.87 ug/ml

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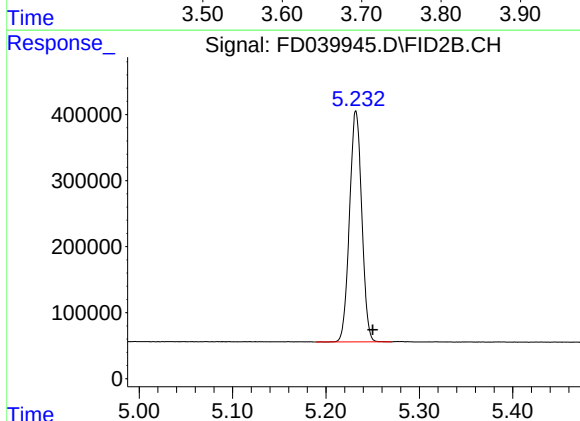
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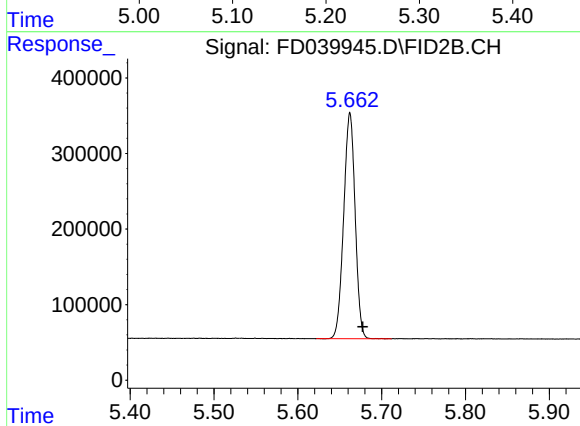
#2 n-Decane (C10)

R.T.: 3.680 min
Delta R.T.: -0.014 min
Response: 2841960
Conc: 19.93 ug/ml



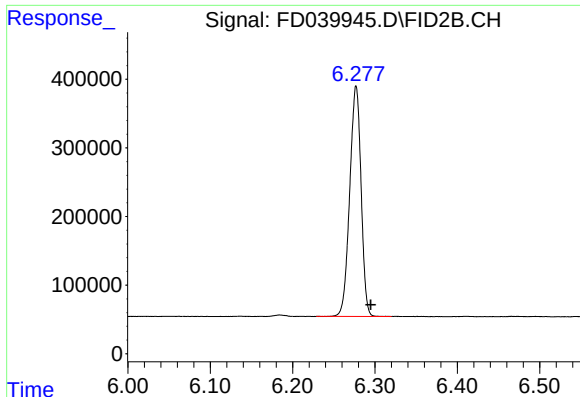
#3 A~Naphthalene (C11.7)

R.T.: 5.232 min
Delta R.T.: -0.018 min
Response: 3187207
Conc: 19.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.662 min
Delta R.T.: -0.015 min
Response: 2839352
Conc: 19.89 ug/ml



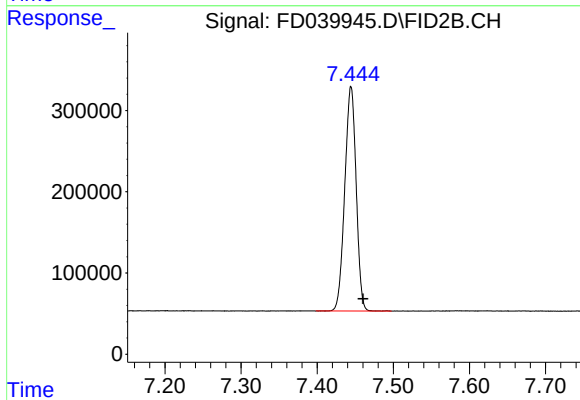
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.277 min
Delta R.T.: -0.018 min
Response: 3216910
Conc: 19.93 ug/ml

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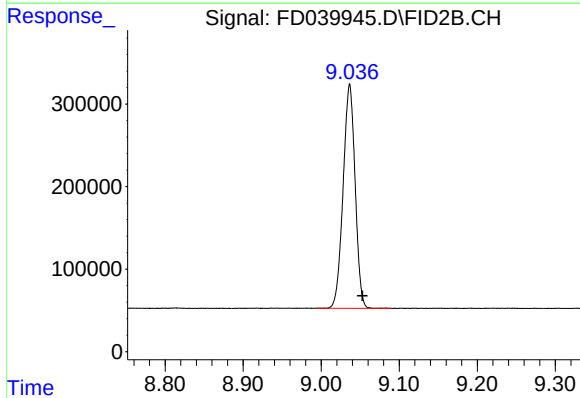
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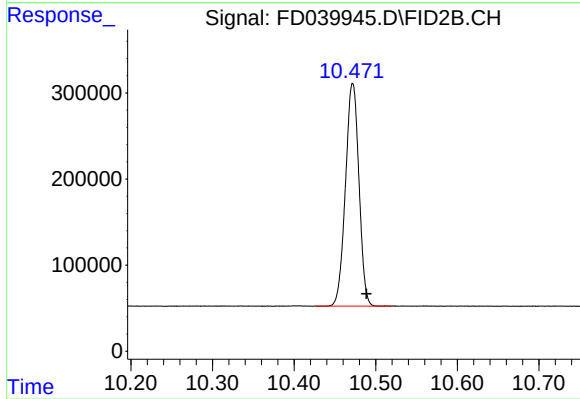
#6 n-Tetradecane (C14)

R.T.: 7.445 min
Delta R.T.: -0.016 min
Response: 2874521
Conc: 19.94 ug/ml



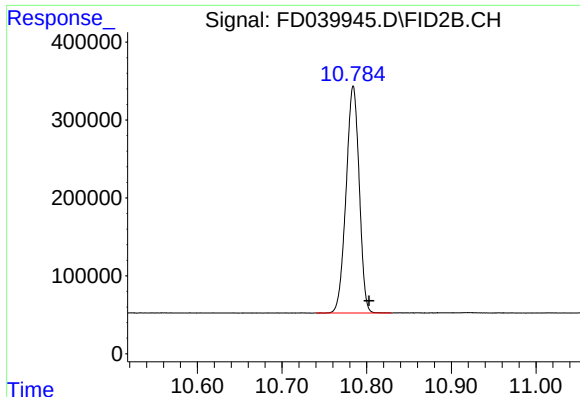
#7 n-Hexadecane (C16)

R.T.: 9.037 min
Delta R.T.: -0.016 min
Response: 2900911
Conc: 19.94 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.472 min
Delta R.T.: -0.017 min
Response: 2972643
Conc: 19.98 ug/ml



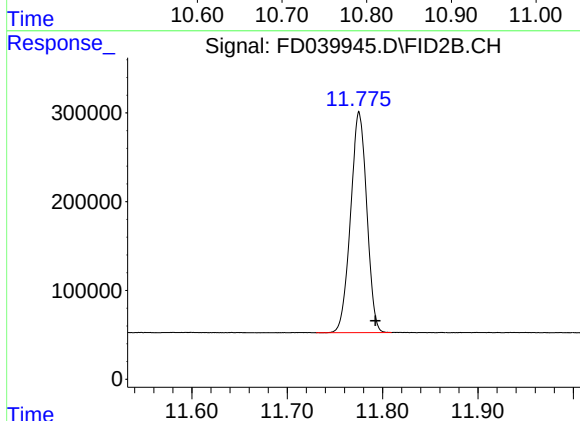
#9 ortho-Terphenyl (SURR)

R.T.: 10.784 min
Delta R.T.: -0.019 min
Response: 3139533
Conc: 20.00 ug/ml

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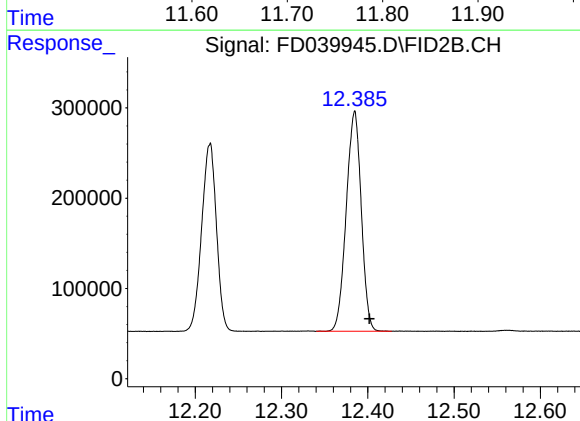
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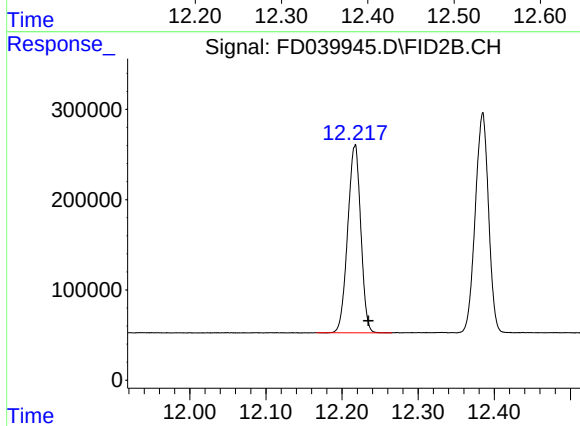
#10 n-Eicosane (C20)

R.T.: 11.775 min
Delta R.T.: -0.017 min
Response: 2932530
Conc: 20.05 ug/ml



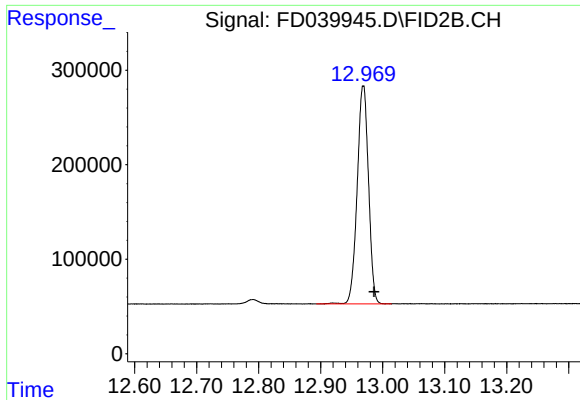
#11 n-Heneicosane (C21)

R.T.: 12.385 min
Delta R.T.: -0.017 min
Response: 2947589
Conc: 20.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.217 min
Delta R.T.: -0.017 min
Response: 2482764
Conc: 20.10 ug/ml



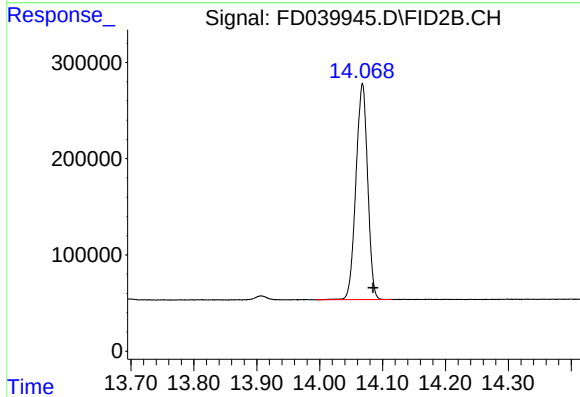
#13 n-Docosane (C22)

R.T.: 12.969 min
Delta R.T.: -0.017 min
Response: 2922964
Conc: 20.02 ug/ml

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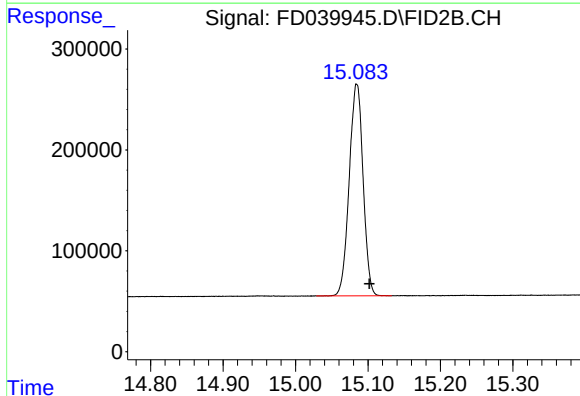
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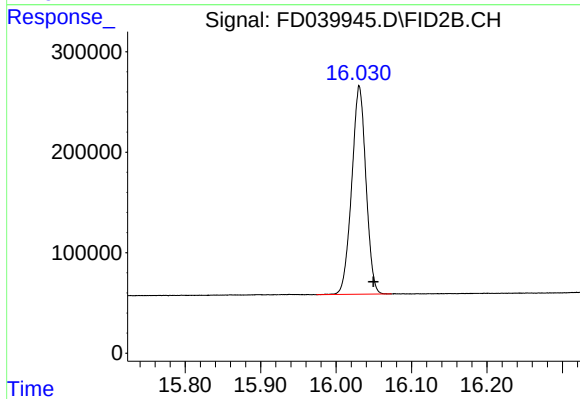
#14 n-Tetracosane (C24)

R.T.: 14.068 min
Delta R.T.: -0.017 min
Response: 2901357
Conc: 19.92 ug/ml



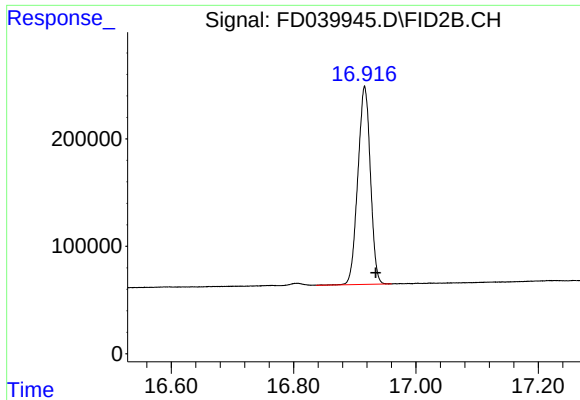
#15 n-Hexacosane (C26)

R.T.: 15.085 min
Delta R.T.: -0.017 min
Response: 2794975
Conc: 19.93 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.031 min
Delta R.T.: -0.018 min
Response: 2714719
Conc: 20.02 ug/ml



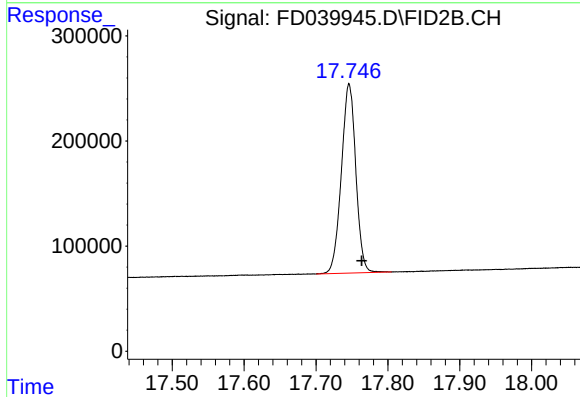
#17 n-Tricontane (C30)

R.T.: 16.916 min
Delta R.T.: -0.018 min
Response: 2623229
Conc: 20.07 ug/ml

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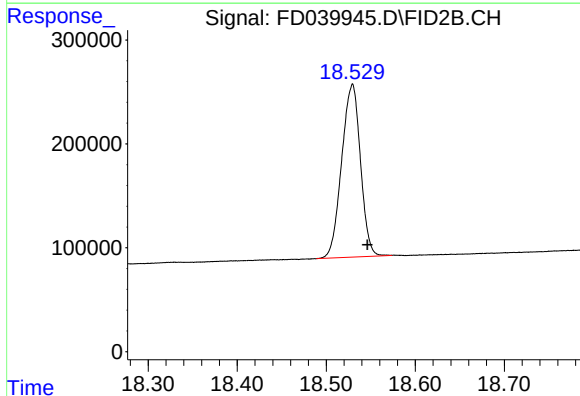
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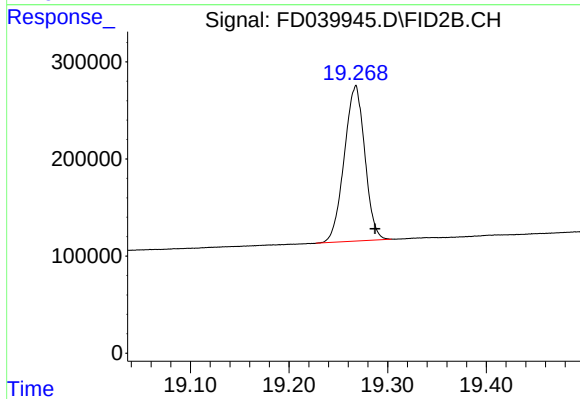
#18 n-Dotriacontane (C32)

R.T.: 17.746 min
Delta R.T.: -0.018 min
Response: 2511895
Conc: 20.18 ug/ml



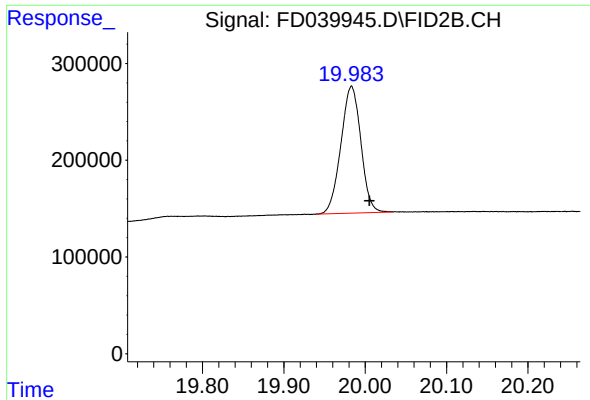
#19 n-Tetratriacontane (C34)

R.T.: 18.529 min
Delta R.T.: -0.017 min
Response: 2441238
Conc: 20.21 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.268 min
Delta R.T.: -0.019 min
Response: 2315116
Conc: 20.13 ug/ml m



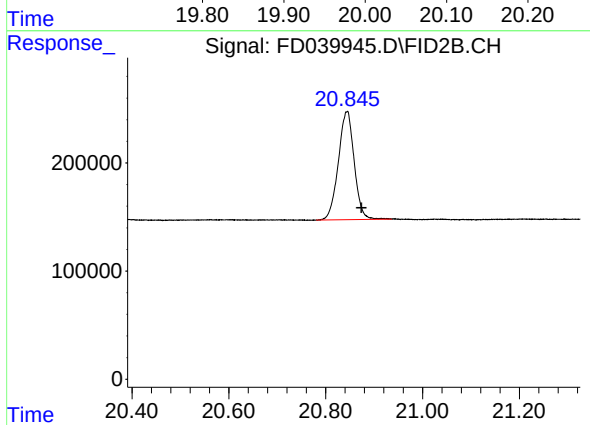
#21 n-Octatriacontane (C38)

R.T.: 19.983 min
Delta R.T.: -0.022 min
Response: 2238171
Conc: 20.05 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.845 min
Delta R.T.: -0.029 min
Response: 2272942
Conc: 19.95 ug/ml