

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD123021AL\
 Data File : FD040350.D
 Signal(s) : FID2B.CH
 Acq On : 31 Dec 2021 19:20
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/03/2022
 Supervised By :Ankita Jodhani 01/03/2022

Integration File: autoint1.e
 Quant Time: Jan 03 08:18:28 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 122821.M
 Quant Title : GC Extractables
 QLast Update : Wed Dec 29 02:26:30 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)	10.687	2830385	18.168 ug/ml
Spiked Amount 50.000		Recovery =	36.34%
12) S 1-chlorooctadecane (S...	12.122	2147568	17.808 ug/ml
Spiked Amount 50.000		Recovery =	35.62%
Target Compounds			
1) T n-Nonane (C9)	2.623	2567843	19.568 ug/ml
2) T n-Decane (C10)	3.614	2604604	19.677 ug/ml
3) T A~Naphthalene (C11.7)	5.152	2844148	19.275 ug/ml
4) T n-Dodecane (C12)	5.585	2624150	19.759 ug/ml
5) T A~2-methylnaphthalene...	6.193	2837304	19.121 ug/ml
6) T n-Tetradecane (C14)	7.362	2668491	19.302 ug/ml
7) T n-Hexadecane (C16)	8.950	2647575	19.309 ug/ml
8) T n-Octadecane (C18)	10.382	2659310	18.831 ug/ml
10) T n-Eicosane (C20)	11.683	2573374	18.407 ug/ml
11) T n-Heneicosane (C21)	12.292	2551631	18.034 ug/ml
13) T n-Docosane (C22)	12.874	2514596	17.918 ug/ml
14) T n-Tetracosane (C24)	13.970	2483255	17.686 ug/ml
15) T n-Hexacosane (C26)	14.985	2362965	17.184 ug/ml
16) T n-Octacosane (C28)	15.931	2314238	17.012 ug/ml
17) T n-Tricontane (C30)	16.814	2260022	16.888 ug/ml
18) T n-Dotriacontane (C32)	17.641	2104439	16.257 ug/ml
19) T n-Tetratriacontane (C34)	18.419	1964926	16.206 ug/mlm
20) T n-Hexatriacontane (C36)	19.159	1803014	16.919 ug/mlm
21) T n-Octatriacontane (C38)	19.860	1724976	18.679 ug/mlm
22) T n-Tetracontane (C40)	20.680	1777244	22.825 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 50 Sample Multiplier: 1

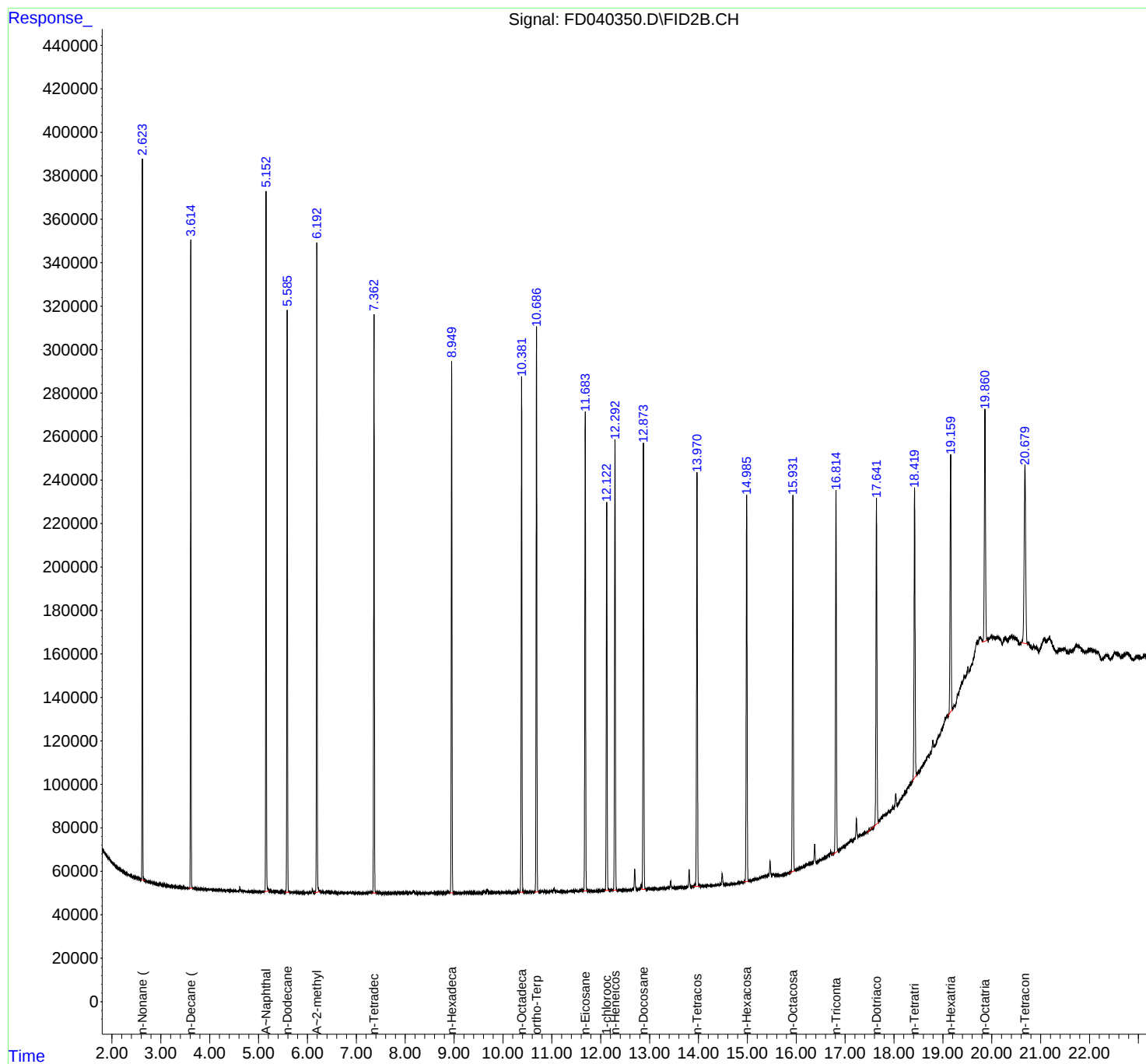
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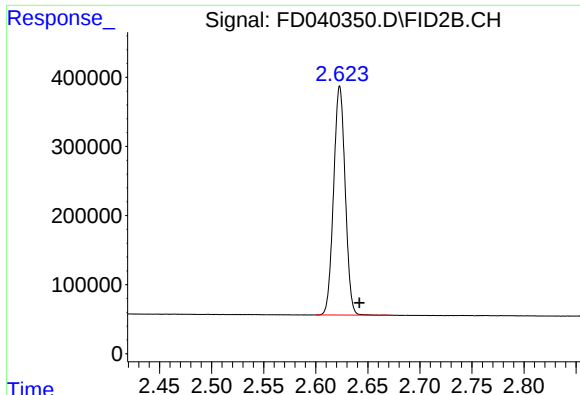
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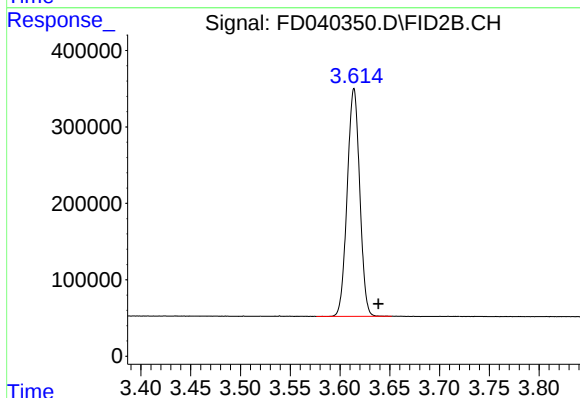
#1 n-Nonane (C9)

R.T.: 2.623 min
Delta R.T.: -0.019 min
Response: 2567843
Conc: 19.57 ug/ml

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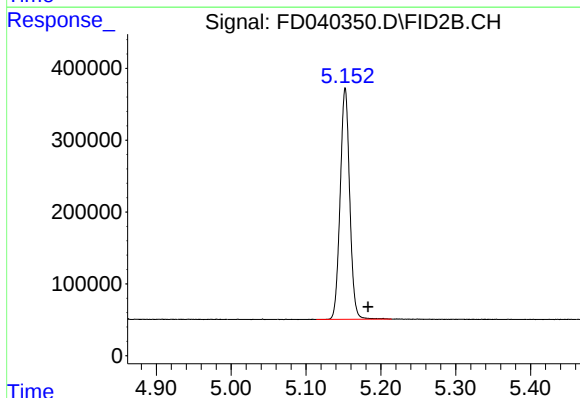
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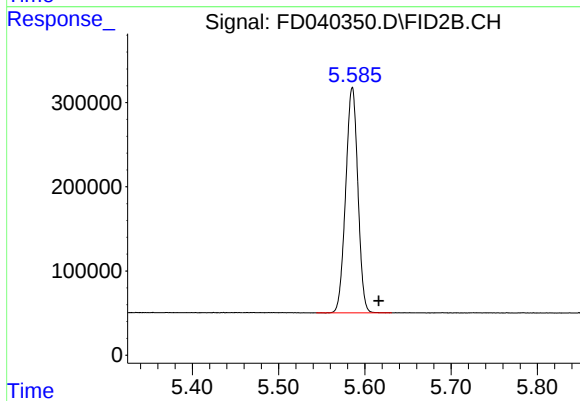
#2 n-Decane (C10)

R.T.: 3.614 min
Delta R.T.: -0.024 min
Response: 2604604
Conc: 19.68 ug/ml



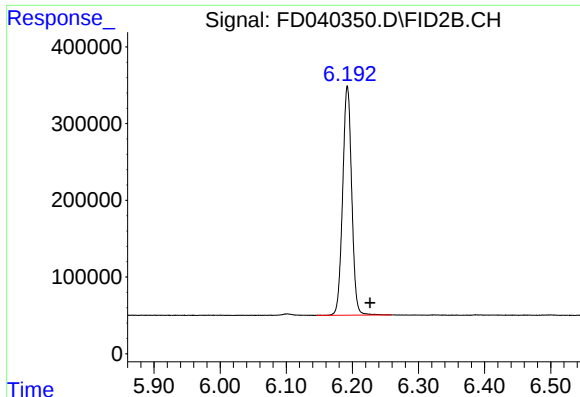
#3 A~Naphthalene (C11.7)

R.T.: 5.152 min
Delta R.T.: -0.030 min
Response: 2844148
Conc: 19.28 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.585 min
Delta R.T.: -0.031 min
Response: 2624150
Conc: 19.76 ug/ml



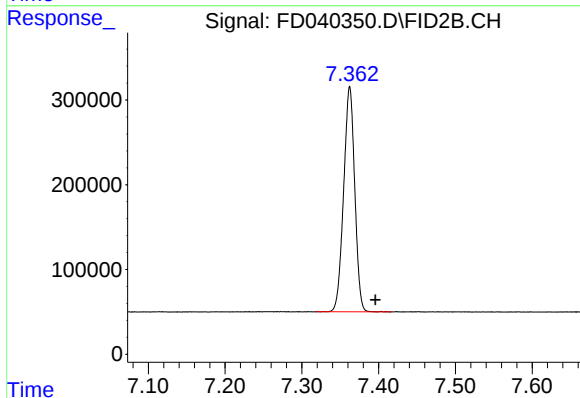
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.193 min
Delta R.T.: -0.035 min
Response: 2837304
Conc: 19.12 ug/ml

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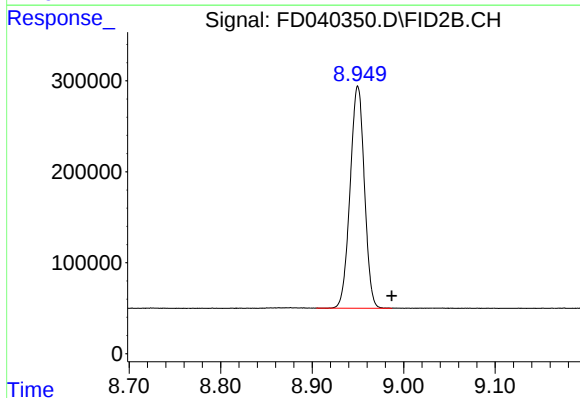
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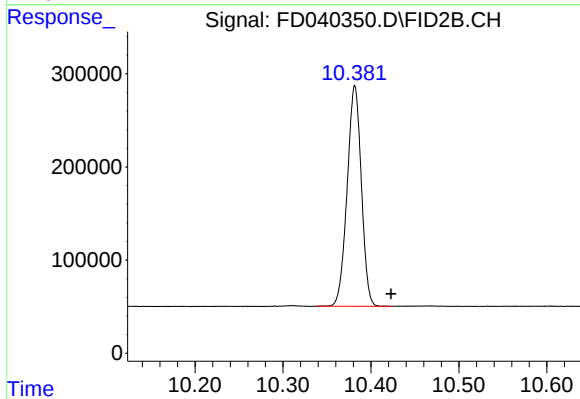
#6 n-Tetradecane (C14)

R.T.: 7.362 min
Delta R.T.: -0.034 min
Response: 2668491
Conc: 19.30 ug/ml



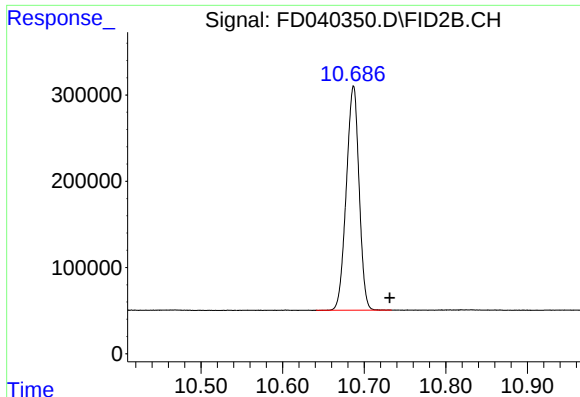
#7 n-Hexadecane (C16)

R.T.: 8.950 min
Delta R.T.: -0.037 min
Response: 2647575
Conc: 19.31 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.382 min
Delta R.T.: -0.041 min
Response: 2659310
Conc: 18.83 ug/ml



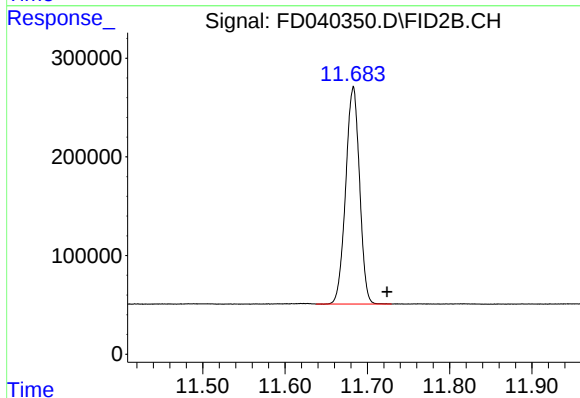
#9 ortho-Terphenyl (SURR)

R.T.: 10.687 min
Delta R.T.: -0.044 min
Response: 2830385
Conc: 18.17 ug/ml

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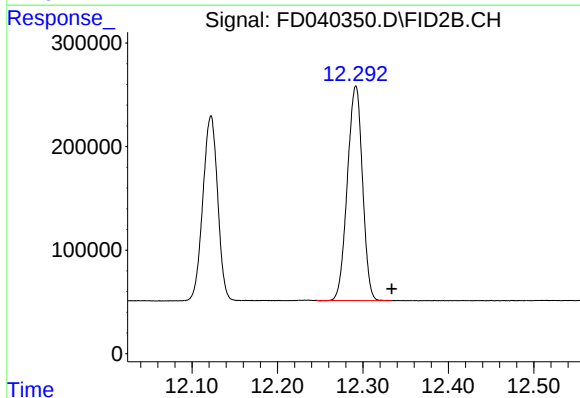
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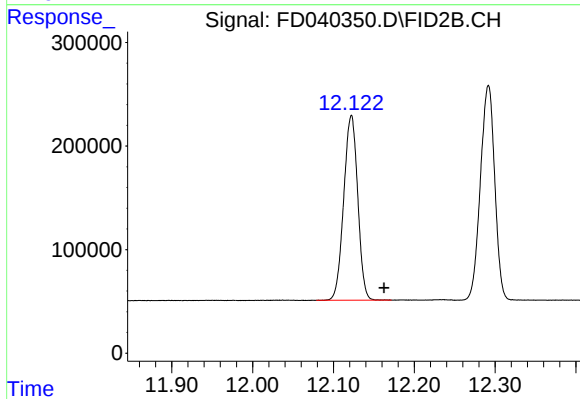
#10 n-Eicosane (C20)

R.T.: 11.683 min
Delta R.T.: -0.041 min
Response: 2573374
Conc: 18.41 ug/ml



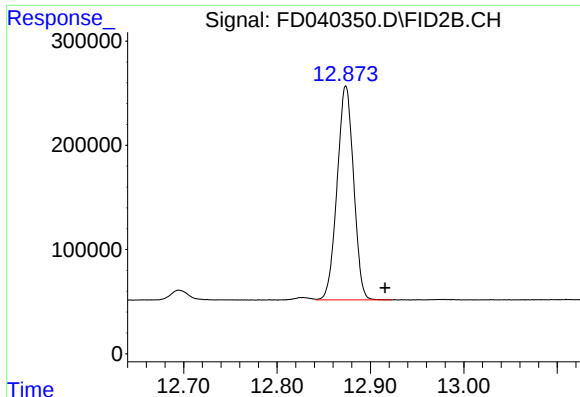
#11 n-Heneicosane (C21)

R.T.: 12.292 min
Delta R.T.: -0.042 min
Response: 2551631
Conc: 18.03 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.122 min
Delta R.T.: -0.041 min
Response: 2147568
Conc: 17.81 ug/ml



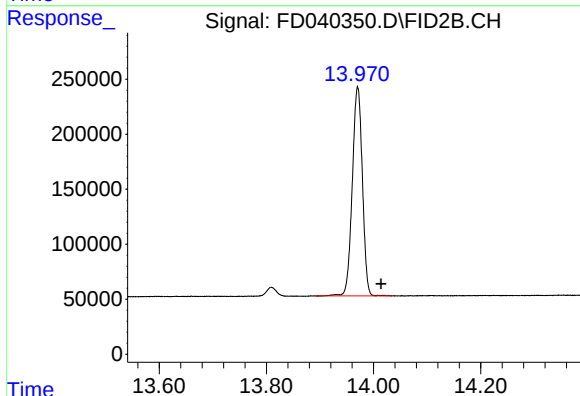
#13 n-Docosane (C22)

R.T.: 12.874 min
Delta R.T.: -0.042 min
Response: 2514596
Conc: 17.92 ug/ml

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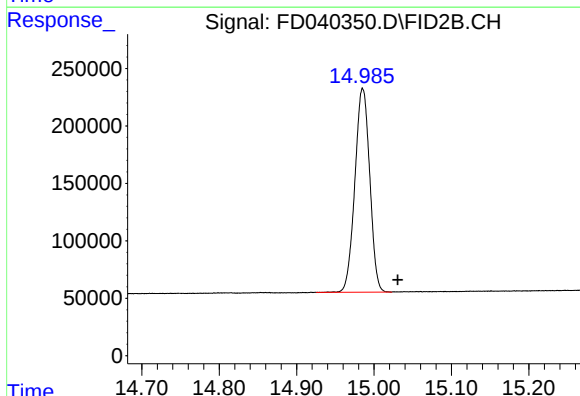
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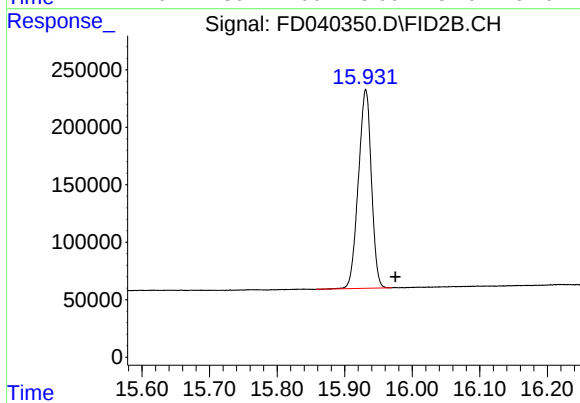
#14 n-Tetracosane (C24)

R.T.: 13.970 min
Delta R.T.: -0.044 min
Response: 2483255
Conc: 17.69 ug/ml



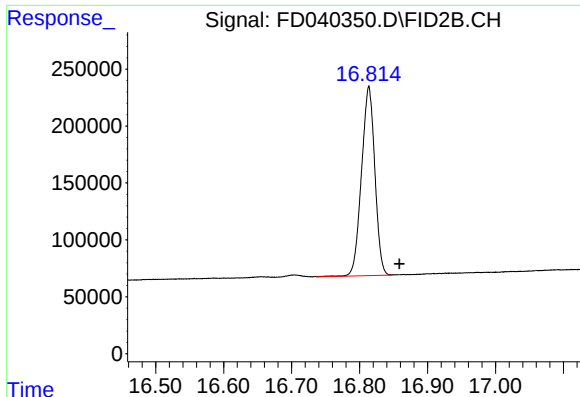
#15 n-Hexacosane (C26)

R.T.: 14.985 min
Delta R.T.: -0.046 min
Response: 2362965
Conc: 17.18 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.931 min
Delta R.T.: -0.044 min
Response: 2314238
Conc: 17.01 ug/ml



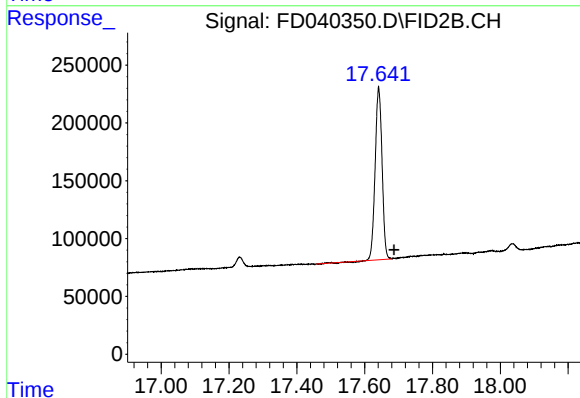
#17 n-Tricontane (C30)

R.T.: 16.814 min
Delta R.T.: -0.045 min
Response: 2260022
Conc: 16.89 ug/ml

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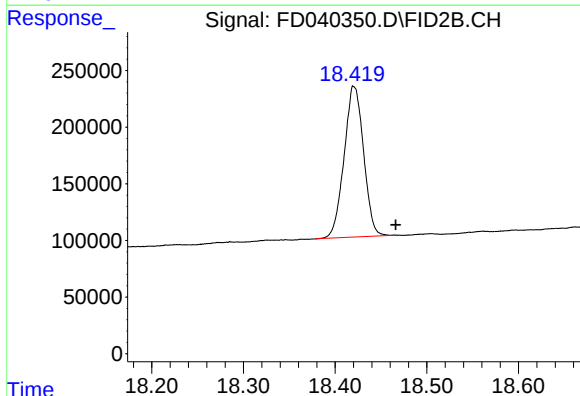
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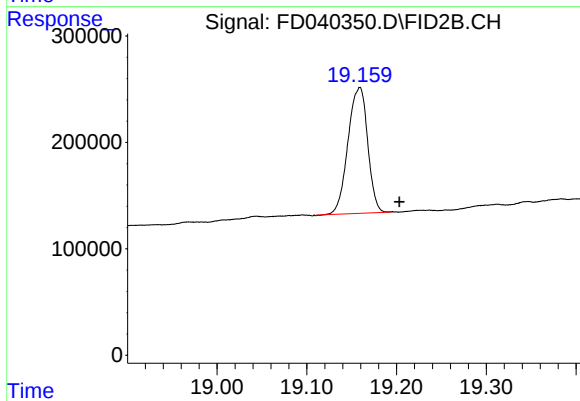
#18 n-Dotriacontane (C32)

R.T.: 17.641 min
Delta R.T.: -0.046 min
Response: 2104439
Conc: 16.26 ug/ml



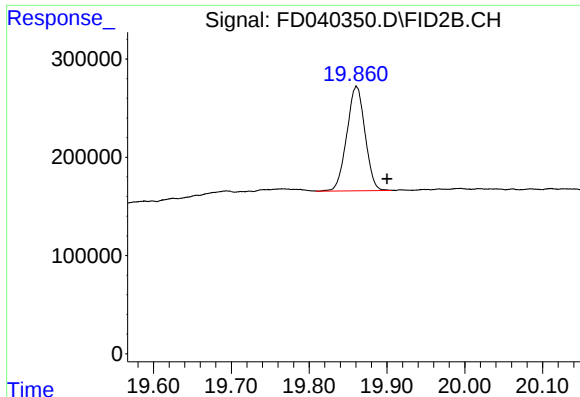
#19 n-Tetratriacontane (C34)

R.T.: 18.419 min
Delta R.T.: -0.047 min
Response: 1964926
Conc: 16.21 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.159 min
Delta R.T.: -0.044 min
Response: 1803014
Conc: 16.92 ug/ml m



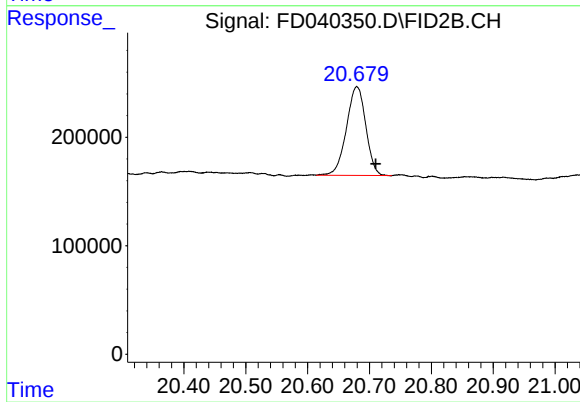
#21 n-Octatriacontane (C38)

R.T.: 19.860 min
Delta R.T.: -0.040 min
Response: 1724976
Conc: 18.68 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.680 min
Delta R.T.: -0.030 min
Response: 1777244
Conc: 22.82 ug/ml