

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081321AL\
 Data File : FD038541.D
 Signal(s) : FID2B.CH
 Acq On : 13 Aug 2021 13:32
 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

mohammad
 8/17/2021 11:45:31 AM

Integration File: autoint1.e
 Quant Time: Aug 14 00:02:07 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 080321.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 04 03:20:37 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)	11.366	2717599	19.909 ug/ml
Spiked Amount 50.000		Recovery =	39.82%
12) S 1-chlorooctadecane (S...	12.803	2105571	19.580 ug/ml
Spiked Amount 50.000		Recovery =	39.16%
Target Compounds			
1) T n-Nonane (C9)	3.192	2553675	21.752 ug/ml
2) T n-Decane (C10)	4.244	2596802	22.025 ug/ml
3) T A~Naphthalene (C11.7)	5.809	2874007	22.017 ug/ml
4) T n-Dodecane (C12)	6.247	2630761	22.155 ug/ml
5) T A~2-methylnaphthalene...	6.860	2891499	22.097 ug/ml
6) T n-Tetradecane (C14)	8.032	2660078	21.887 ug/ml
7) T n-Hexadecane (C16)	9.624	2642102	21.618 ug/ml
8) T n-Octadecane (C18)	11.060	2657059	21.104 ug/ml
10) T n-Eicosane (C20)	12.362	2571420	20.399 ug/ml
11) T n-Heneicosane (C21)	12.971	2529501	19.815 ug/ml
13) T n-Docosane (C22)	13.555	2530415	19.877 ug/ml
14) T n-Tetracosane (C24)	14.652	2532075	19.685 ug/ml
15) T n-Hexacosane (C26)	15.668	2434301	19.115 ug/ml
16) T n-Octacosane (C28)	16.614	2447300	19.182 ug/ml
17) T n-Tricontane (C30)	17.498	2425940	19.148 ug/ml
18) T n-Dotriacontane (C32)	18.325	2297633	18.699 ug/ml
19) T n-Tetratriacontane (C34)	19.104	2223117	18.627 ug/ml
20) T n-Hexatriacontane (C36)	19.840	2231939	20.026 ug/ml
21) T n-Octatriacontane (C38)	20.541	2263227	21.893 ug/mlm
22) T n-Tetracontane (C40)	21.351	2392942	23.841 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD
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ALS Vial : 52 Sample Multiplier: 1

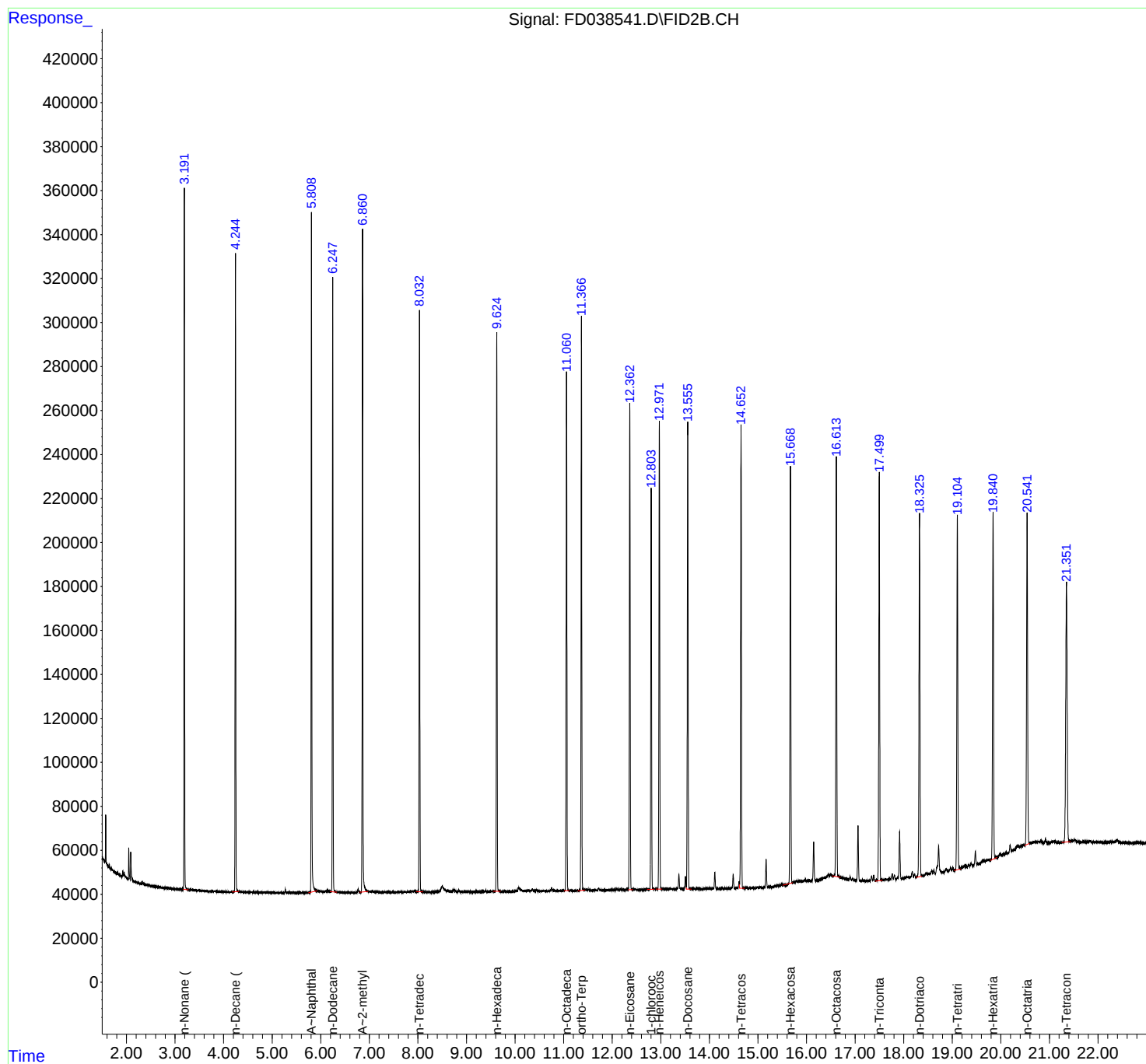
Instrument :
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20 PPM ALIPHATIC HC STD

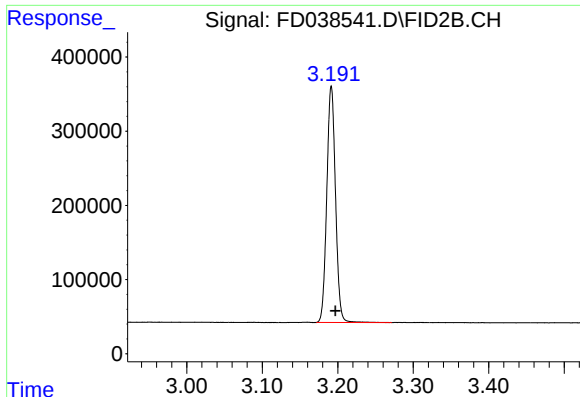
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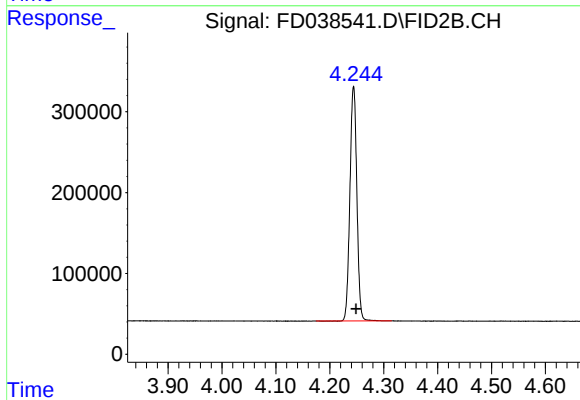
#1 n-Nonane (C9)

R.T.: 3.192 min
Delta R.T.: -0.005 min
Response: 2553675
Conc: 21.75 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

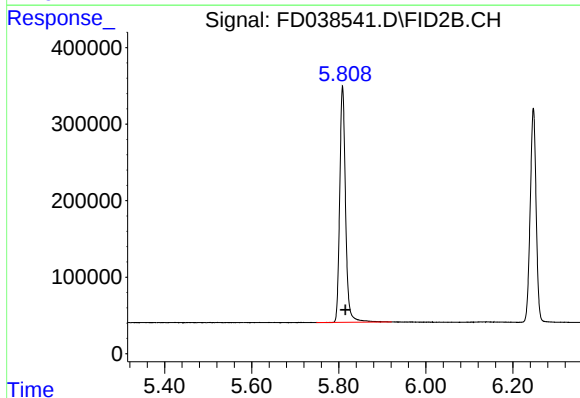
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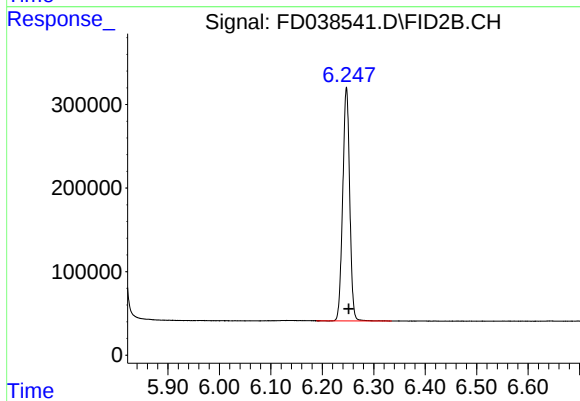
#2 n-Decane (C10)

R.T.: 4.244 min
Delta R.T.: -0.004 min
Response: 2596802
Conc: 22.02 ug/ml



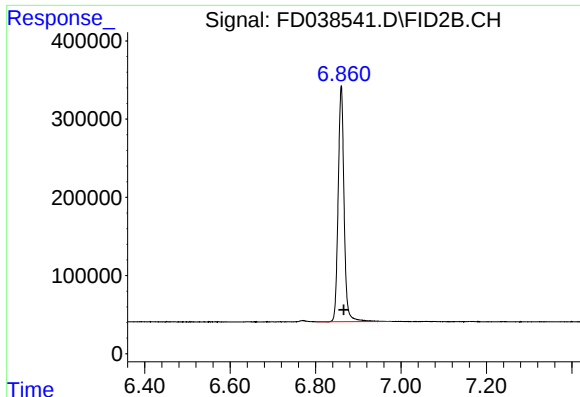
#3 A~Naphthalene (C11.7)

R.T.: 5.809 min
Delta R.T.: -0.007 min
Response: 2874007
Conc: 22.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.247 min
Delta R.T.: -0.004 min
Response: 2630761
Conc: 22.16 ug/ml



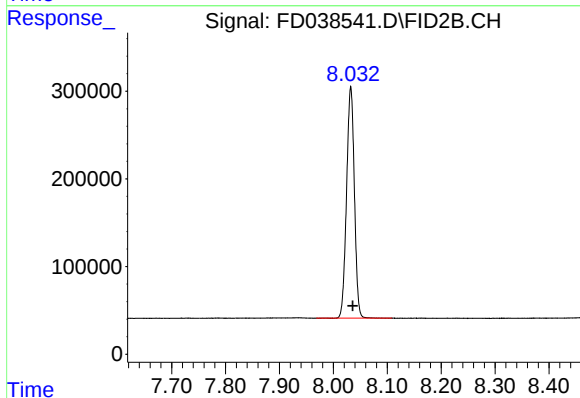
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.860 min
Delta R.T.: -0.006 min
Response: 2891499
Conc: 22.10 ug/ml

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20 PPM ALIPHATIC HC STD

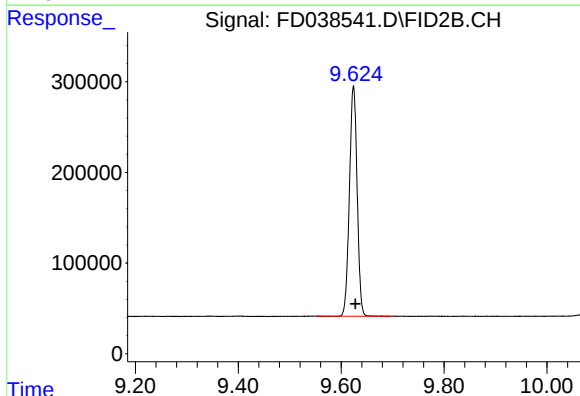
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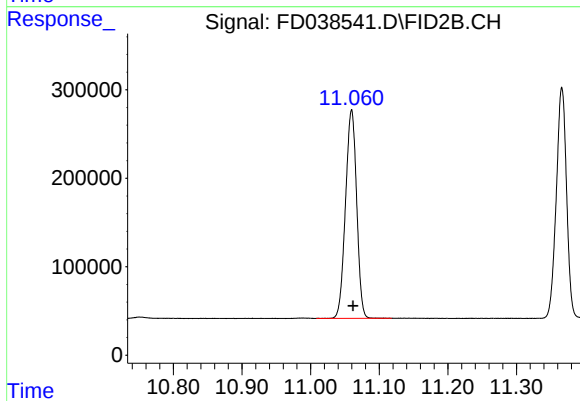
#6 n-Tetradecane (C14)

R.T.: 8.032 min
Delta R.T.: -0.004 min
Response: 2660078
Conc: 21.89 ug/ml



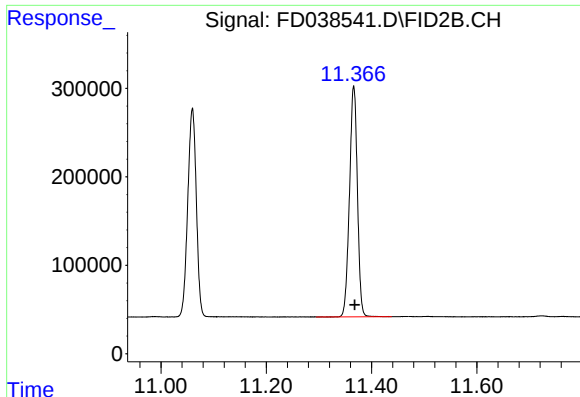
#7 n-Hexadecane (C16)

R.T.: 9.624 min
Delta R.T.: -0.004 min
Response: 2642102
Conc: 21.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.060 min
Delta R.T.: -0.002 min
Response: 2657059
Conc: 21.10 ug/ml



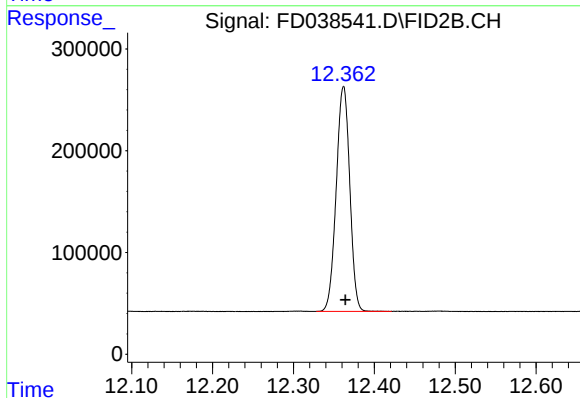
#9 ortho-Terphenyl (SURR)

R.T.: 11.366 min
Delta R.T.: -0.002 min
Response: 2717599
Conc: 19.91 ug/ml

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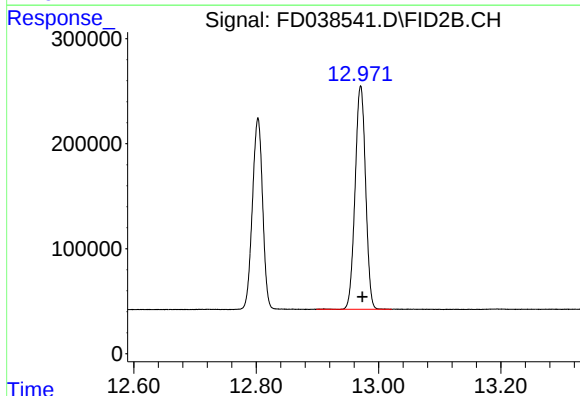
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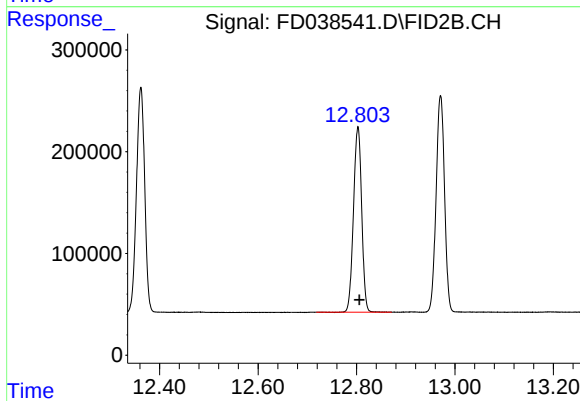
#10 n-Eicosane (C20)

R.T.: 12.362 min
Delta R.T.: -0.002 min
Response: 2571420
Conc: 20.40 ug/ml



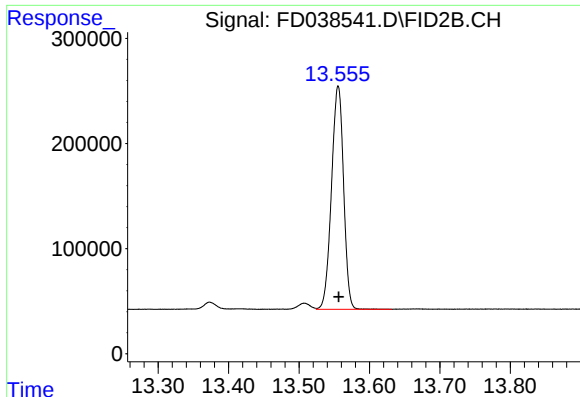
#11 n-Heneicosane (C21)

R.T.: 12.971 min
Delta R.T.: -0.003 min
Response: 2529501
Conc: 19.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.803 min
Delta R.T.: -0.003 min
Response: 2105571
Conc: 19.58 ug/ml



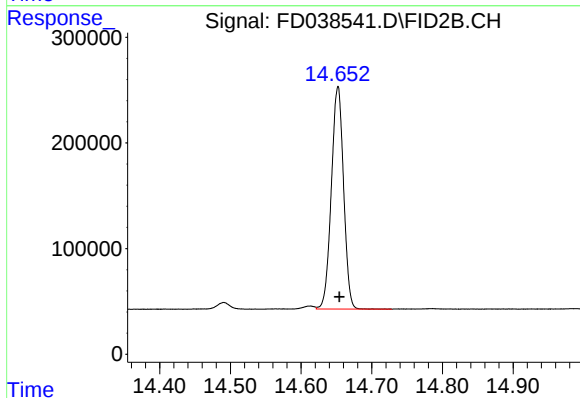
#13 n-Docosane (C22)

R.T.: 13.555 min
Delta R.T.: 0.000 min
Response: 2530415
Conc: 19.88 ug/ml

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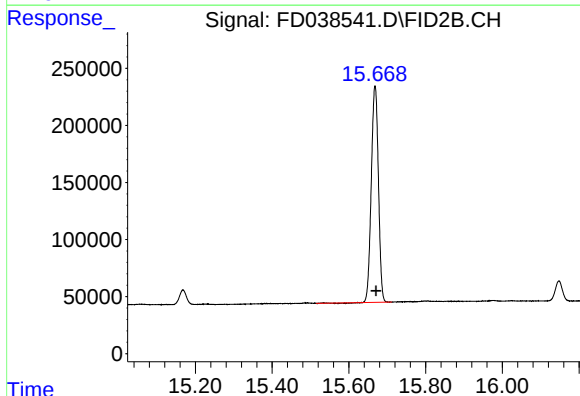
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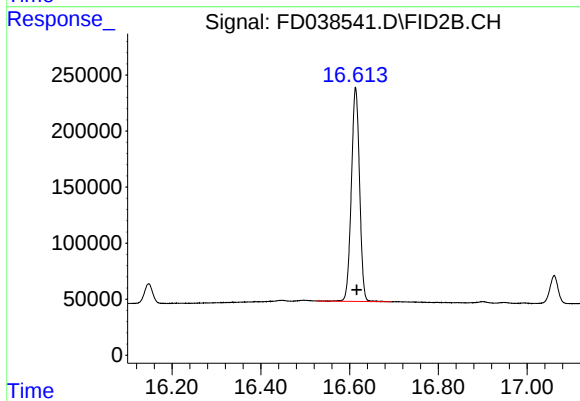
#14 n-Tetracosane (C24)

R.T.: 14.652 min
Delta R.T.: -0.002 min
Response: 2532075
Conc: 19.68 ug/ml



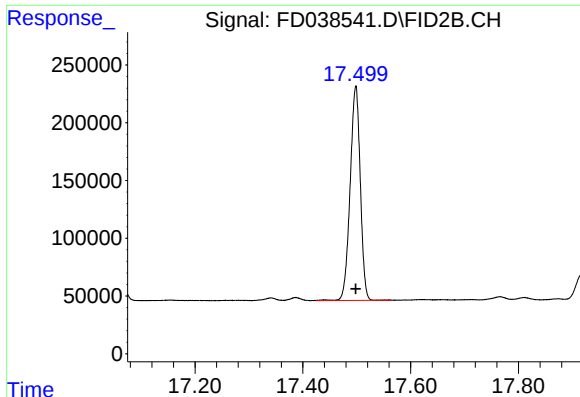
#15 n-Hexacosane (C26)

R.T.: 15.668 min
Delta R.T.: -0.003 min
Response: 2434301
Conc: 19.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.614 min
Delta R.T.: -0.002 min
Response: 2447300
Conc: 19.18 ug/ml



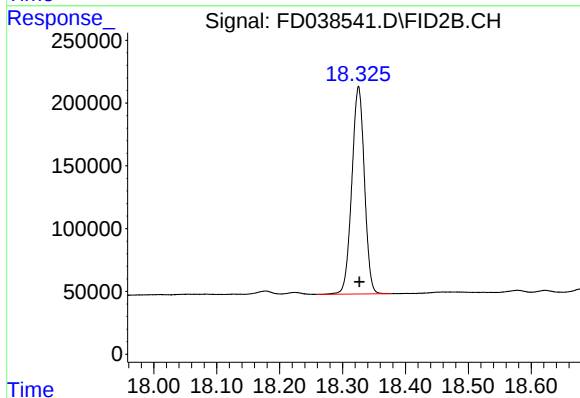
#17 n-Tricontane (C30)

R.T.: 17.498 min
Delta R.T.: 0.000 min
Response: 2425940
Conc: 19.15 ug/ml

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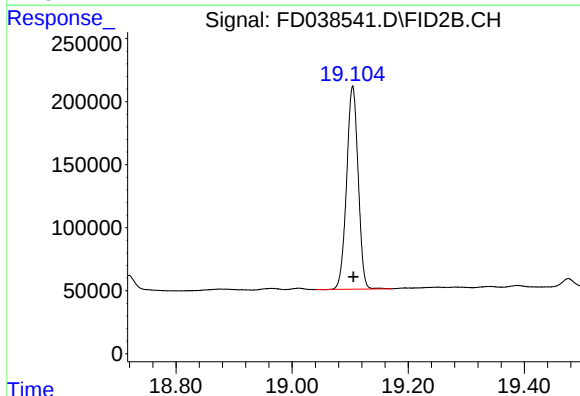
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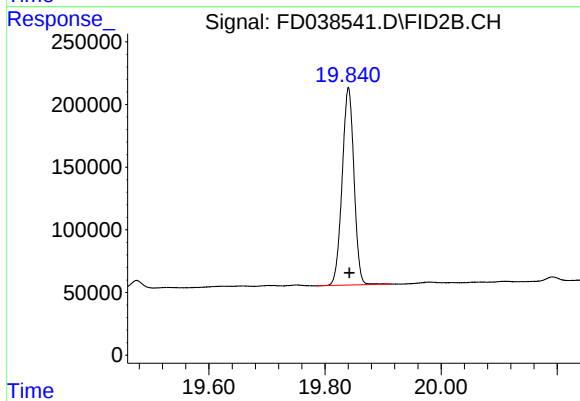
#18 n-Dotriacontane (C32)

R.T.: 18.325 min
Delta R.T.: -0.002 min
Response: 2297633
Conc: 18.70 ug/ml



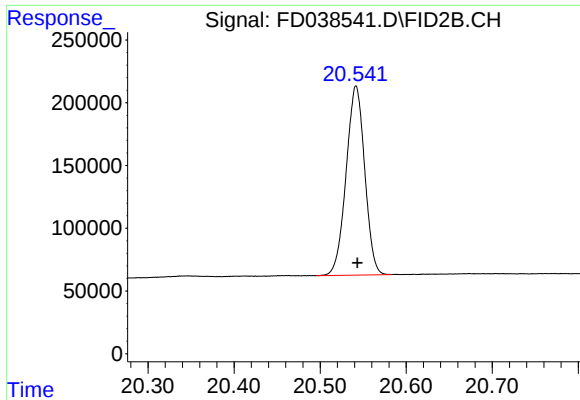
#19 n-Tetratriacontane (C34)

R.T.: 19.104 min
Delta R.T.: -0.002 min
Response: 2223117
Conc: 18.63 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.840 min
Delta R.T.: -0.002 min
Response: 2231939
Conc: 20.03 ug/ml



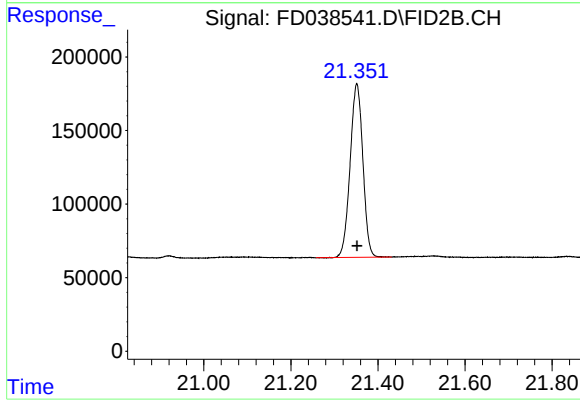
#21 n-Octatriacontane (C38)

R.T.: 20.541 min
Delta R.T.: -0.002 min
Response: 2263227
Conc: 21.89 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.351 min
Delta R.T.: 0.000 min
Response: 2392942
Conc: 23.84 ug/ml