

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071521AL\
 Data File : FD038209.D
 Signal(s) : FID2B.CH
 Acq On : 15 Jul 2021 9:55
 Operator : DD\AJ
 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

mohammad
 7/16/2021 11:36:10 AM

Integration File: autoint1.e
 Quant Time: Jul 16 04:10:23 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 070621.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 07 10:58:41 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)	11.426	2614094	18.084 ug/ml
Spiked Amount 50.000		Recovery =	36.17%
12) S 1-chlorooctadecane (S...	12.861	2011794	17.646 ug/ml
Spiked Amount 50.000		Recovery =	35.29%
Target Compounds			
1) T n-Nonane (C9)	3.232	2470000	20.327 ug/ml
2) T n-Decane (C10)	4.290	2501799	20.454 ug/ml
3) T A~Naphthalene (C11.7)	5.864	2773775	20.291 ug/ml
4) T n-Dodecane (C12)	6.298	2544855	20.432 ug/ml
5) T A~2-methylnaphthalene...	6.916	2775826	20.153 ug/ml
6) T n-Tetradecane (C14)	8.086	2594764	20.188 ug/ml
7) T n-Hexadecane (C16)	9.679	2576378	19.881 ug/ml
8) T n-Octadecane (C18)	11.115	2571743	19.096 ug/ml
10) T n-Eicosane (C20)	12.418	2467232	18.369 ug/ml
11) T n-Heneicosane (C21)	13.027	2450300	18.035 ug/ml
13) T n-Docosane (C22)	13.611	2401331	17.847 ug/ml
14) T n-Tetracosane (C24)	14.708	2382155	17.642 ug/ml
15) T n-Hexacosane (C26)	15.725	2250669	17.082 ug/ml
16) T n-Octacosane (C28)	16.670	2196873	16.849 ug/ml
17) T n-Tricontane (C30)	17.554	2178564	17.047 ug/ml
18) T n-Dotriacontane (C32)	18.382	2136599	17.364 ug/ml
19) T n-Tetratriacontane (C34)	19.163	2092106	17.865 ug/mlm
20) T n-Hexatriacontane (C36)	19.899	1983303	18.161 ug/ml
21) T n-Octatriacontane (C38)	20.607	2020299	20.059 ug/mlm
22) T n-Tetracontane (C40)	21.441	2064932	21.113 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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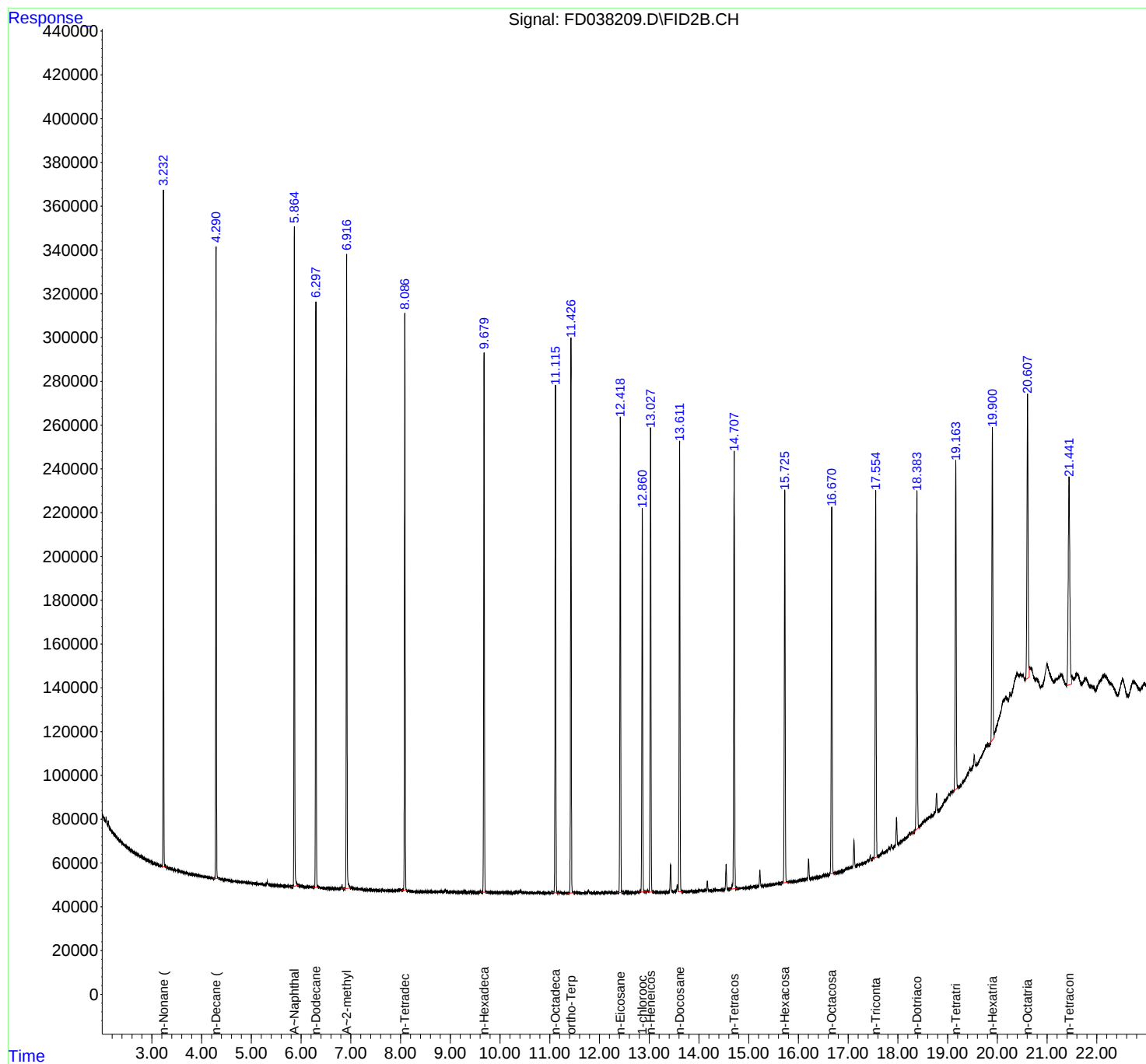
Instrument :
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20 PPM ALIPHATIC HC STD

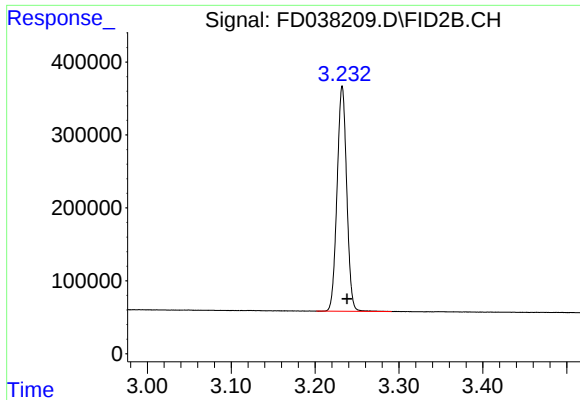
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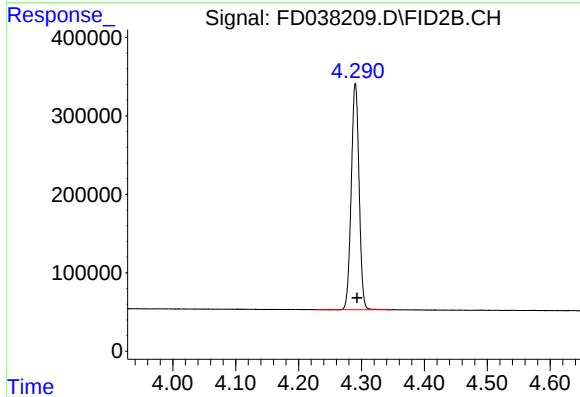
#1 n-Nonane (C9)

R.T.: 3.232 min
Delta R.T.: -0.006 min
Response: 2470000
Conc: 20.33 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

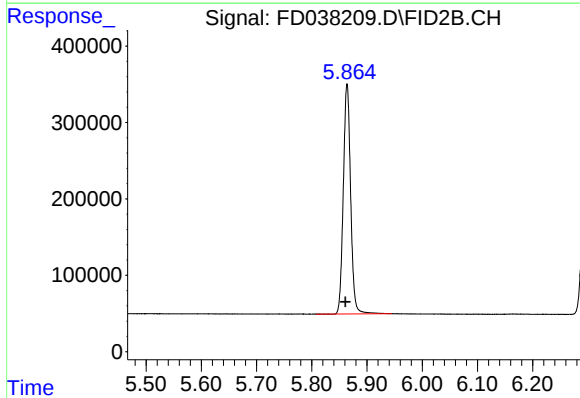
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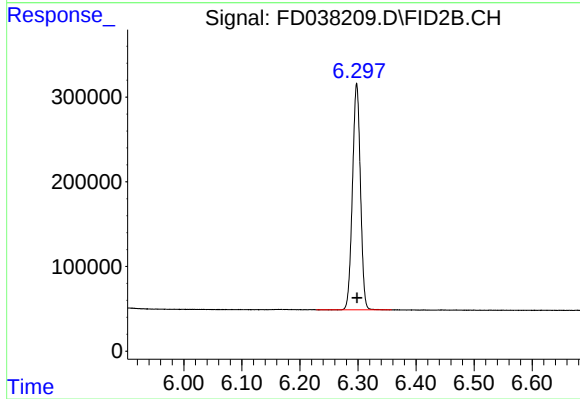
#2 n-Decane (C10)

R.T.: 4.290 min
Delta R.T.: -0.002 min
Response: 2501799
Conc: 20.45 ug/ml



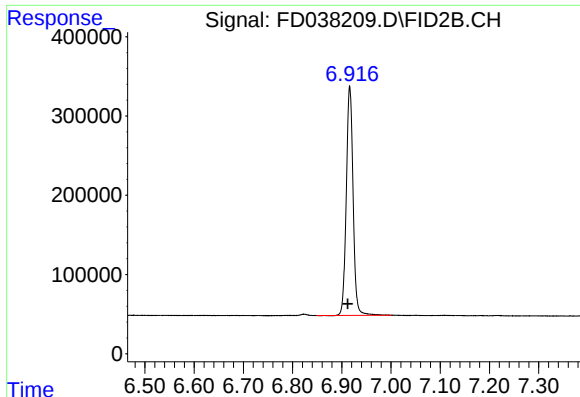
#3 A~Naphthalene (C11.7)

R.T.: 5.864 min
Delta R.T.: 0.003 min
Response: 2773775
Conc: 20.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.298 min
Delta R.T.: 0.000 min
Response: 2544855
Conc: 20.43 ug/ml



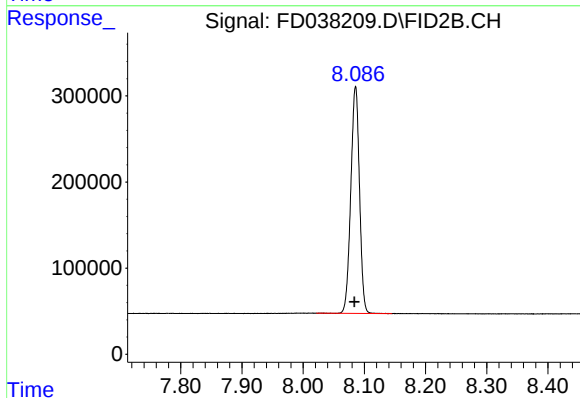
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.916 min
Delta R.T.: 0.004 min
Response: 2775826
Conc: 20.15 ug/ml

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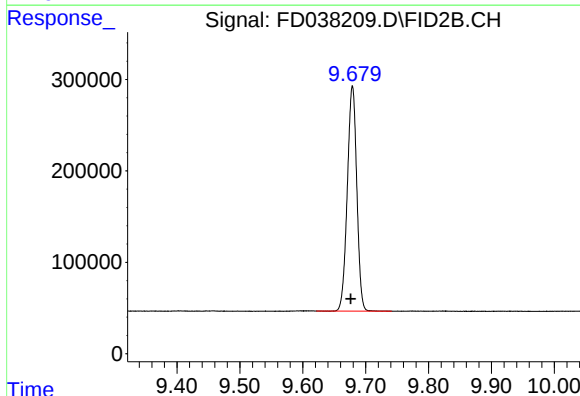
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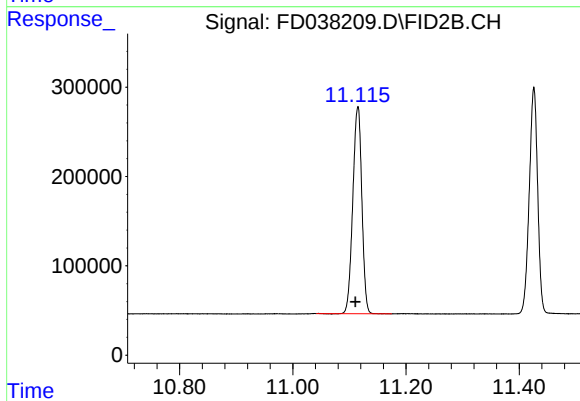
#6 n-Tetradecane (C14)

R.T.: 8.086 min
Delta R.T.: 0.002 min
Response: 2594764
Conc: 20.19 ug/ml



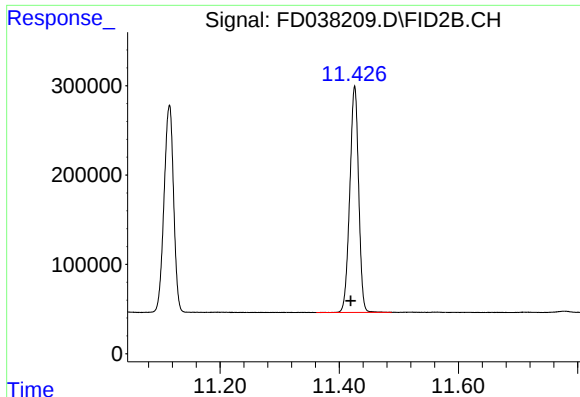
#7 n-Hexadecane (C16)

R.T.: 9.679 min
Delta R.T.: 0.003 min
Response: 2576378
Conc: 19.88 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.115 min
Delta R.T.: 0.004 min
Response: 2571743
Conc: 19.10 ug/ml



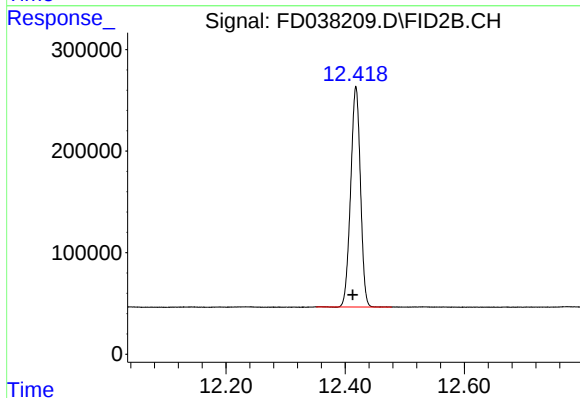
#9 ortho-Terphenyl (SURR)

R.T.: 11.426 min
Delta R.T.: 0.006 min
Response: 2614094
Conc: 18.08 ug/ml

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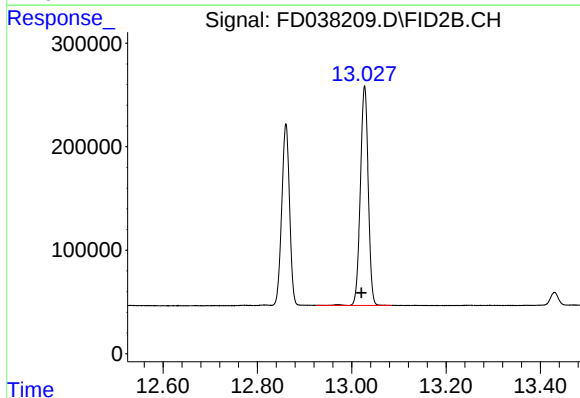
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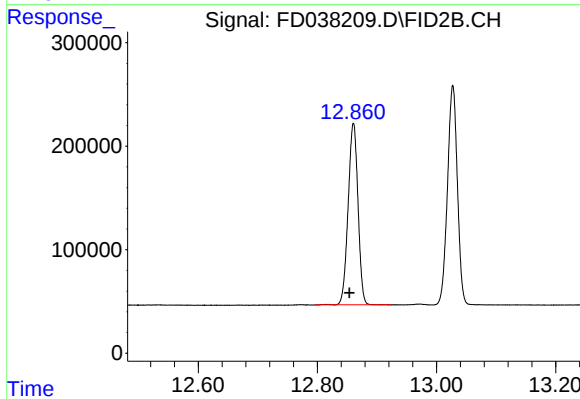
#10 n-Eicosane (C20)

R.T.: 12.418 min
Delta R.T.: 0.005 min
Response: 2467232
Conc: 18.37 ug/ml



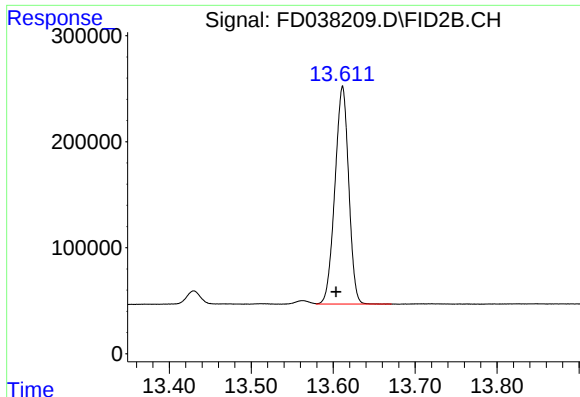
#11 n-Heneicosane (C21)

R.T.: 13.027 min
Delta R.T.: 0.006 min
Response: 2450300
Conc: 18.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.861 min
Delta R.T.: 0.007 min
Response: 2011794
Conc: 17.65 ug/ml



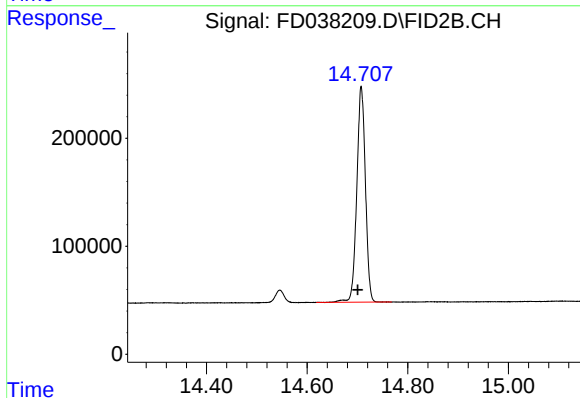
#13 n-Docosane (C22)

R.T.: 13.611 min
Delta R.T.: 0.008 min
Response: 2401331
Conc: 17.85 ug/ml

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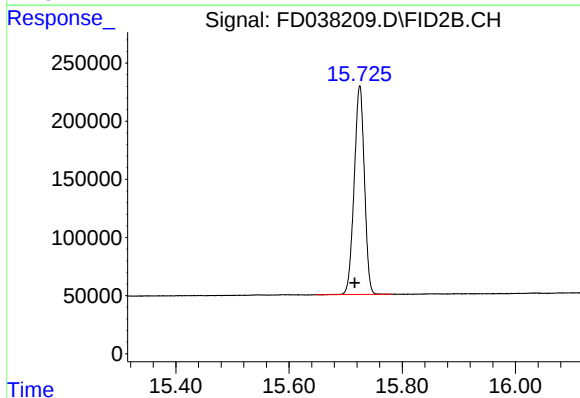
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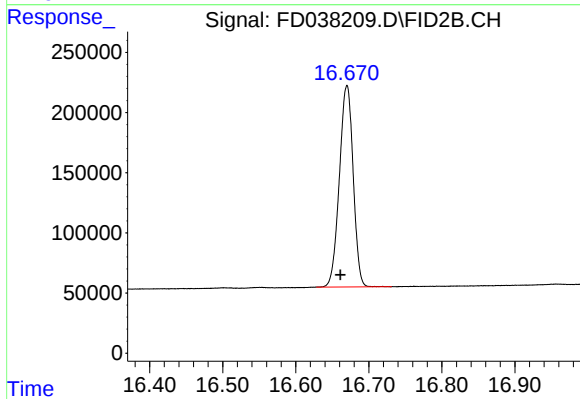
#14 n-Tetracosane (C24)

R.T.: 14.708 min
Delta R.T.: 0.007 min
Response: 2382155
Conc: 17.64 ug/ml



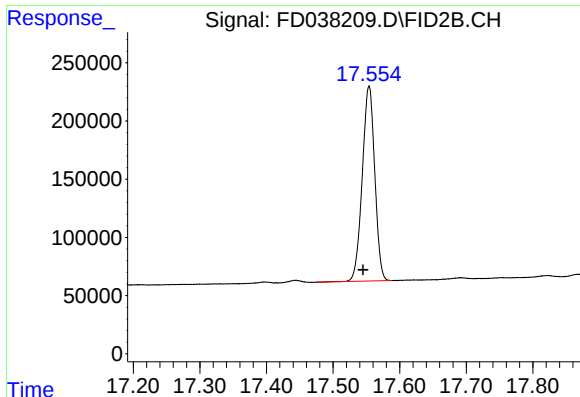
#15 n-Hexacosane (C26)

R.T.: 15.725 min
Delta R.T.: 0.009 min
Response: 2250669
Conc: 17.08 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.670 min
Delta R.T.: 0.009 min
Response: 2196873
Conc: 16.85 ug/ml



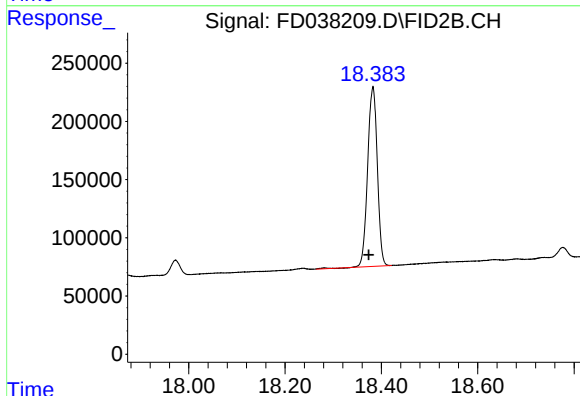
#17 n-Tricontane (C30)

R.T.: 17.554 min
Delta R.T.: 0.009 min
Response: 2178564
Conc: 17.05 ug/ml

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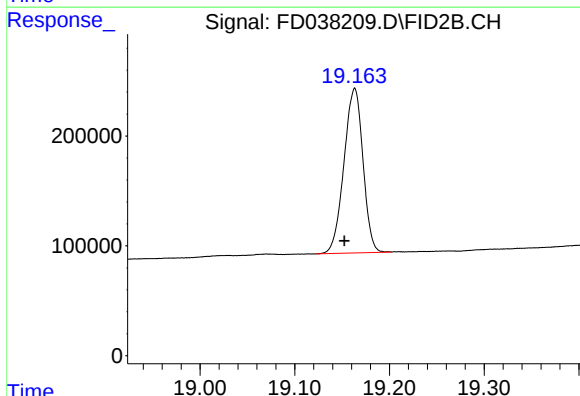
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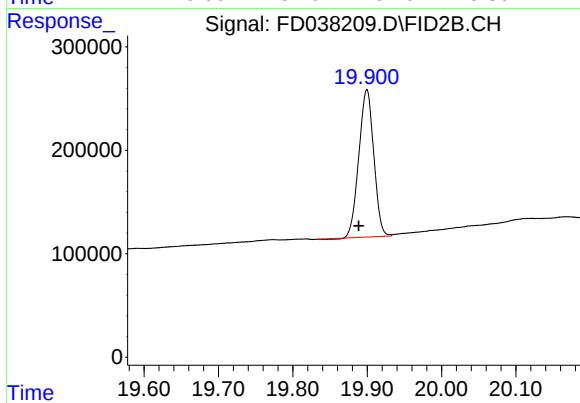
#18 n-Dotriacontane (C32)

R.T.: 18.382 min
Delta R.T.: 0.009 min
Response: 2136599
Conc: 17.36 ug/ml



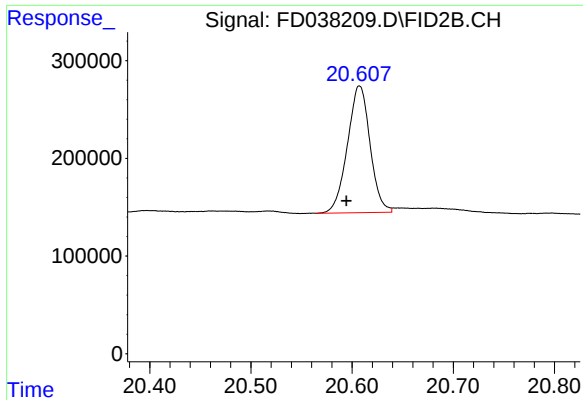
#19 n-Tetratriacontane (C34)

R.T.: 19.163 min
Delta R.T.: 0.011 min
Response: 2092106
Conc: 17.87 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.899 min
Delta R.T.: 0.011 min
Response: 1983303
Conc: 18.16 ug/ml



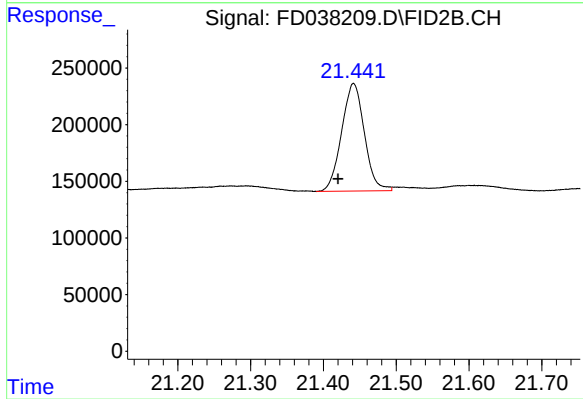
#21 n-Octatriacontane (C38)

R.T.: 20.607 min
Delta R.T.: 0.012 min
Response: 2020299
Conc: 20.06 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.441 min
Delta R.T.: 0.021 min
Response: 2064932
Conc: 21.11 ug/ml m