

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051622AL\
 Data File : FD042487.D
 Signal(s) : FID2B.CH
 Acq On : 16 May 2022 23:33
 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 05/17/2022
 Supervised By :mohammad ahmed 05/17/2022

Integration File: autoint1.e
 Quant Time: May 17 01:35:14 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)	11.205	3289597	19.615 ug/ml
Spiked Amount 50.000		Recovery =	39.23%
12) S 1-chlorooctadecane (S...	12.644	2529998	19.173 ug/ml
Spiked Amount 50.000		Recovery =	38.35%
Target Compounds			
1) T n-Nonane (C9)	3.084	2967758	21.773 ug/ml
2) T n-Decane (C10)	4.127	2973038	22.185 ug/ml
3) T A~Naphthalene (C11.7)	5.677	3109070	21.449 ug/ml
4) T n-Dodecane (C12)	6.119	3086114	21.677 ug/ml
5) T A~2-methylnaphthalene...	6.721	3128654	22.451 ug/ml
6) T n-Tetradecane (C14)	7.893	3103565	21.788 ug/ml
7) T n-Hexadecane (C16)	9.479	3106476	21.377 ug/ml
8) T n-Octadecane (C18)	10.908	3093068	20.638 ug/ml
10) T n-Eicosane (C20)	12.207	3013624	19.689 ug/ml
11) T n-Heneicosane (C21)	12.815	2971338	19.274 ug/ml
13) T n-Docosane (C22)	13.398	2981332	19.341 ug/ml
14) T n-Tetracosane (C24)	14.493	2965827	19.177 ug/ml
15) T n-Hexacosane (C26)	15.508	2902876	18.872 ug/ml
16) T n-Octacosane (C28)	16.453	2902013	18.981 ug/ml
17) T n-Tricontane (C30)	17.336	2851643	19.011 ug/ml
18) T n-Dotriacontane (C32)	18.161	2654788	18.775 ug/mlm
19) T n-Tetratriacontane (C34)	18.941	2466640	19.167 ug/mlm
20) T n-Hexatriacontane (C36)	19.678	2309323	20.407 ug/mlm
21) T n-Octatriacontane (C38)	20.376	2201165	22.061 ug/mlm
22) T n-Tetracontane (C40)	21.150	2159303	23.939 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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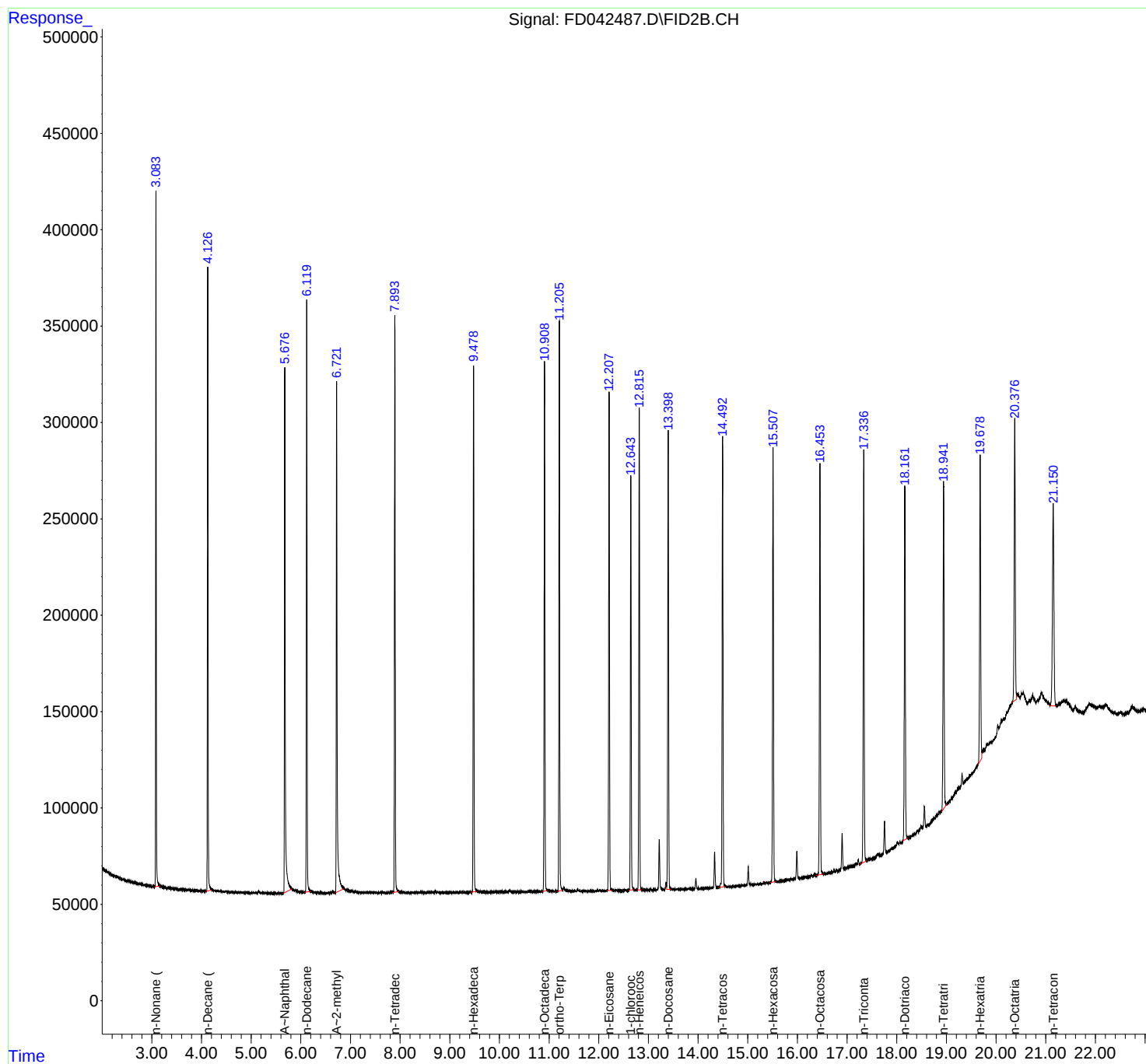
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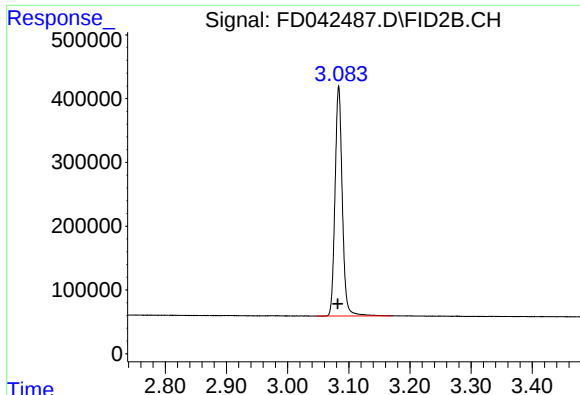
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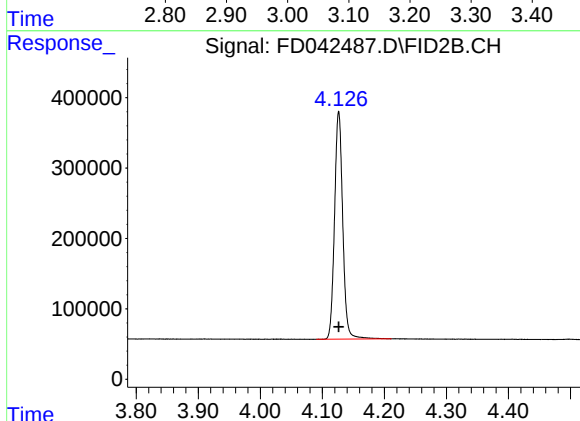
#1 n-Nonane (C9)

R.T.: 3.084 min
Delta R.T.: 0.002 min
Response: 2967758
Conc: 21.77 ug/ml

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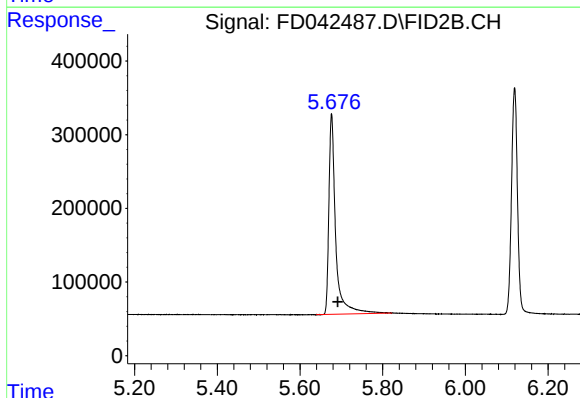
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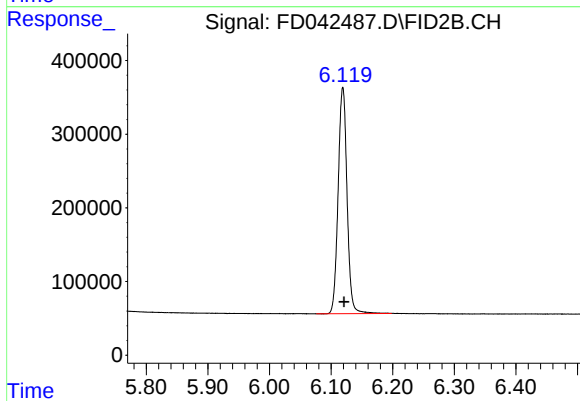
#2 n-Decane (C10)

R.T.: 4.127 min
Delta R.T.: 0.000 min
Response: 2973038
Conc: 22.18 ug/ml



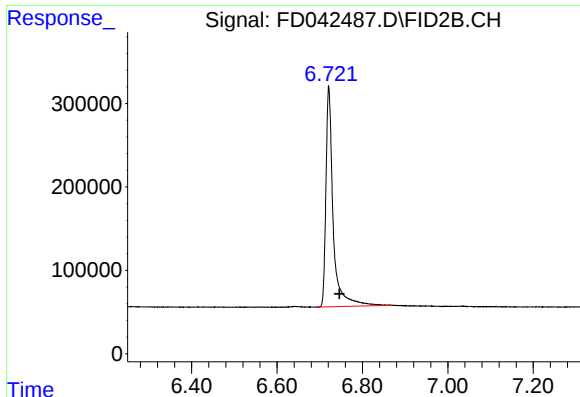
#3 A~Naphthalene (C11.7)

R.T.: 5.677 min
Delta R.T.: -0.015 min
Response: 3109070
Conc: 21.45 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.119 min
Delta R.T.: -0.002 min
Response: 3086114
Conc: 21.68 ug/ml



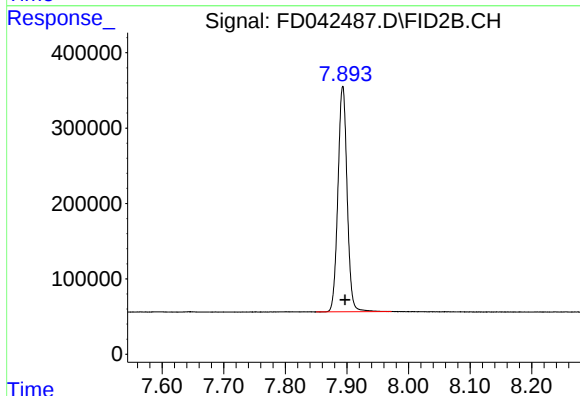
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.721 min
Delta R.T.: -0.025 min
Response: 3128654
Conc: 22.45 ug/ml

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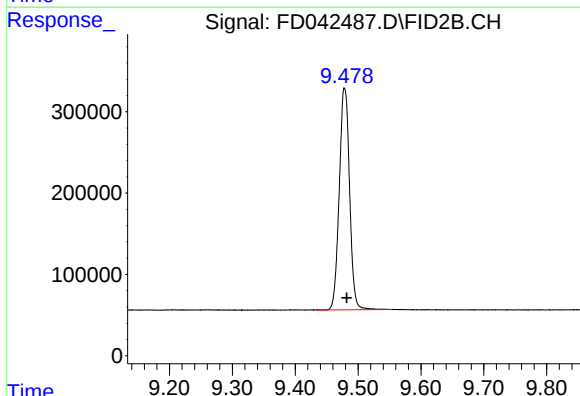
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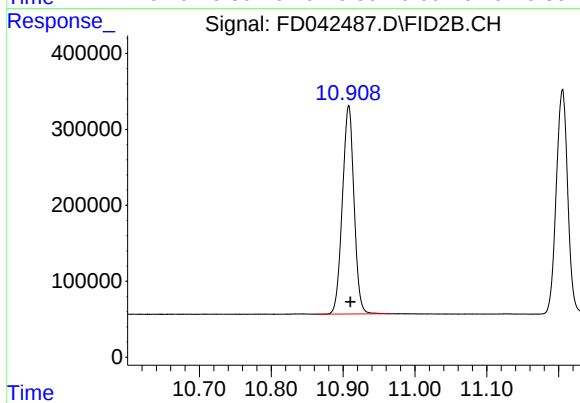
#6 n-Tetradecane (C14)

R.T.: 7.893 min
Delta R.T.: -0.004 min
Response: 3103565
Conc: 21.79 ug/ml



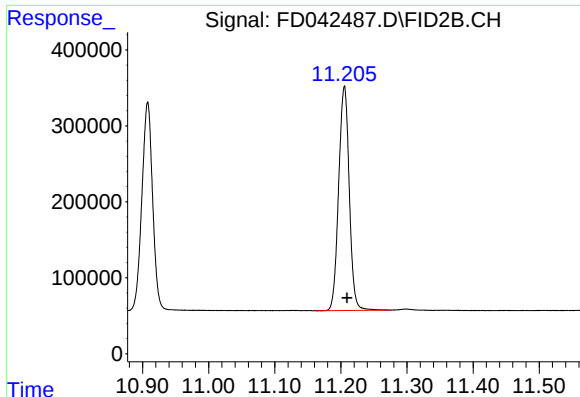
#7 n-Hexadecane (C16)

R.T.: 9.479 min
Delta R.T.: -0.003 min
Response: 3106476
Conc: 21.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.908 min
Delta R.T.: -0.003 min
Response: 3093068
Conc: 20.64 ug/ml



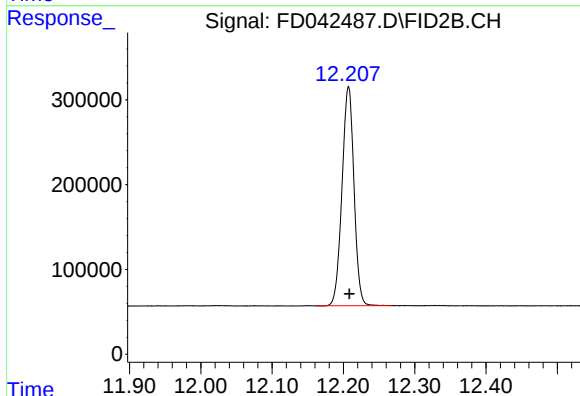
#9 ortho-Terphenyl (SURR)

R.T.: 11.205 min
Delta R.T.: -0.004 min
Response: 3289597
Conc: 19.62 ug/ml

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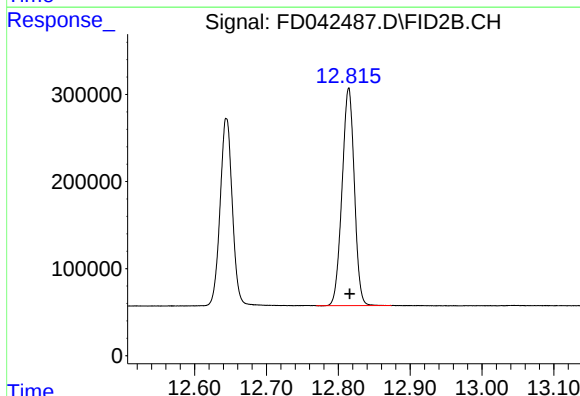
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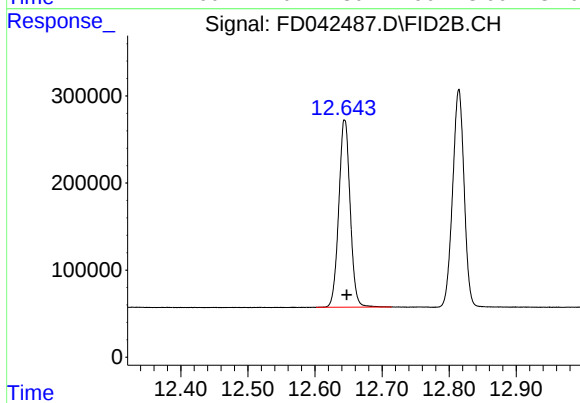
#10 n-Eicosane (C20)

R.T.: 12.207 min
Delta R.T.: -0.001 min
Response: 3013624
Conc: 19.69 ug/ml



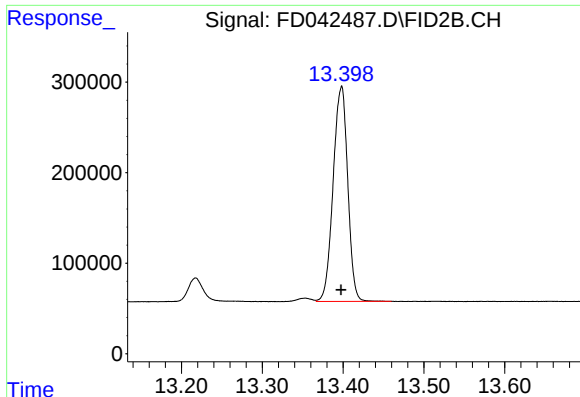
#11 n-Heneicosane (C21)

R.T.: 12.815 min
Delta R.T.: -0.002 min
Response: 2971338
Conc: 19.27 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.644 min
Delta R.T.: -0.003 min
Response: 2529998
Conc: 19.17 ug/ml



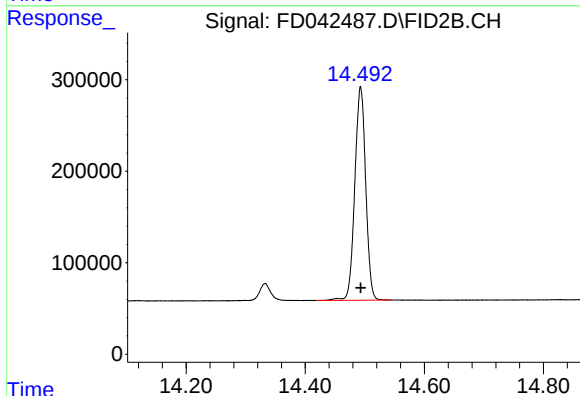
#13 n-Docosane (C22)

R.T.: 13.398 min
Delta R.T.: 0.000 min
Response: 2981332
Conc: 19.34 ug/ml

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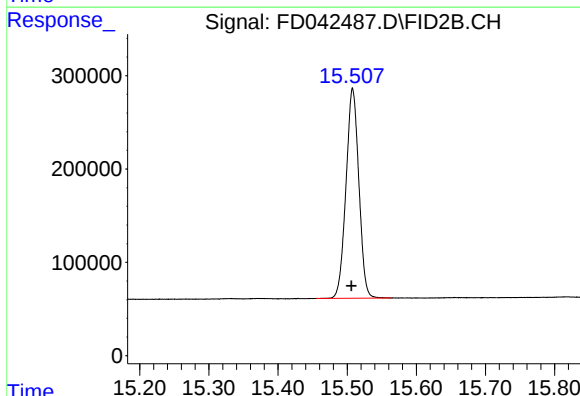
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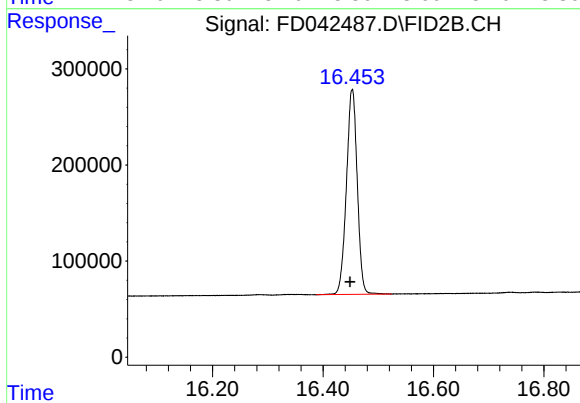
#14 n-Tetracosane (C24)

R.T.: 14.493 min
Delta R.T.: 0.000 min
Response: 2965827
Conc: 19.18 ug/ml



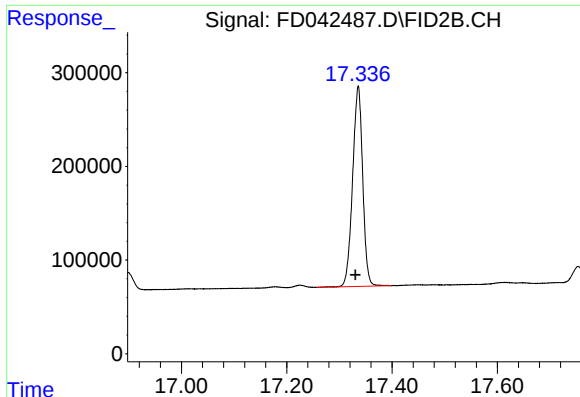
#15 n-Hexacosane (C26)

R.T.: 15.508 min
Delta R.T.: 0.002 min
Response: 2902876
Conc: 18.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.453 min
Delta R.T.: 0.004 min
Response: 2902013
Conc: 18.98 ug/ml



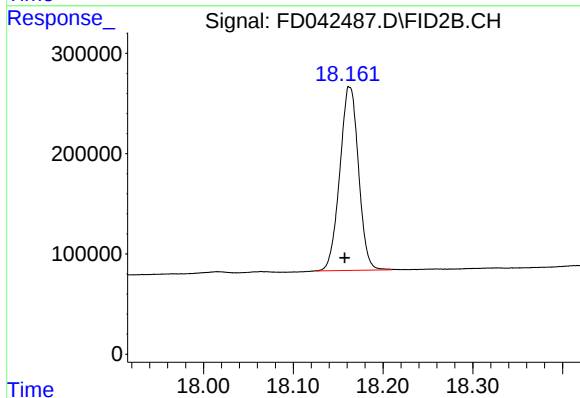
#17 n-Tricontane (C30)

R.T.: 17.336 min
Delta R.T.: 0.005 min
Response: 2851643
Conc: 19.01 ug/ml

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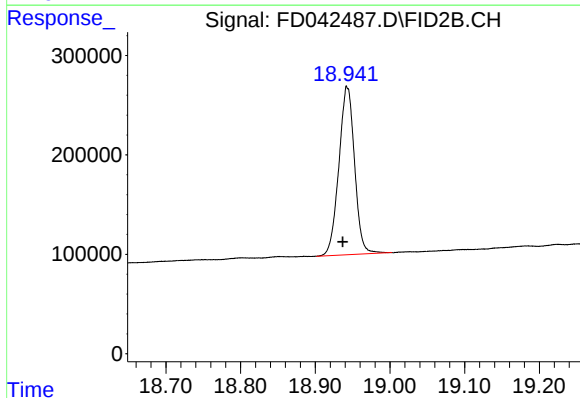
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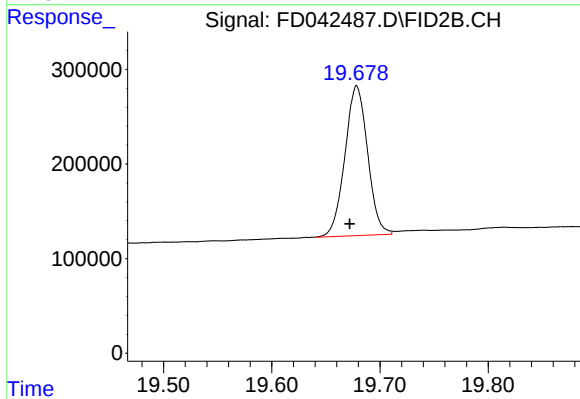
#18 n-Dotriacontane (C32)

R.T.: 18.161 min
Delta R.T.: 0.004 min
Response: 2654788
Conc: 18.78 ug/ml m



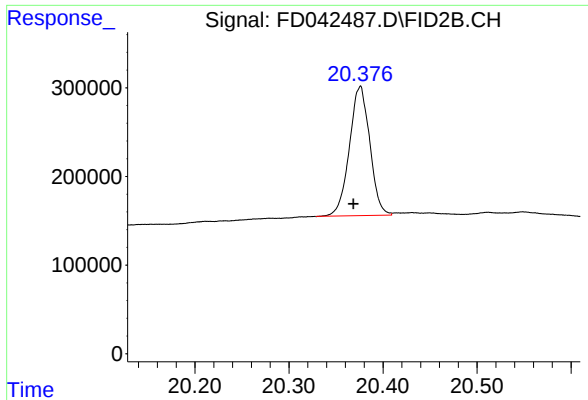
#19 n-Tetratriacontane (C34)

R.T.: 18.941 min
Delta R.T.: 0.004 min
Response: 2466640
Conc: 19.17 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.678 min
Delta R.T.: 0.006 min
Response: 2309323
Conc: 20.41 ug/ml m



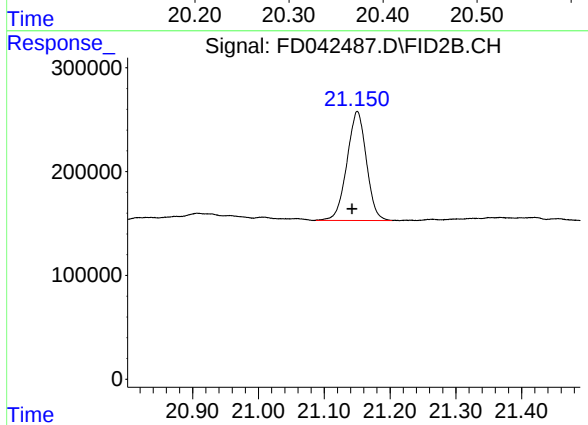
#21 n-Octatriacontane (C38)

R.T.: 20.376 min
Delta R.T.: 0.007 min
Response: 2201165
Conc: 22.06 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.150 min
Delta R.T.: 0.008 min
Response: 2159303
Conc: 23.94 ug/ml m