

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122921AL\
 Data File : FD040290.D
 Signal(s) : FID2B.CH
 Acq On : 30 Dec 2021 8:59
 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

Reviewed By :Yogesh Patel 12/30/2021
 Supervised By :Ankita Jodhani 12/30/2021

Integration File: autoint1.e
 Quant Time: Dec 30 09:23:53 2021
 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)	10.704	2992951	19.212 ug/ml
Spiked Amount 50.000		Recovery =	38.42%
12) S 1-chlorooctadecane (S...	12.138	2306166	19.123 ug/ml
Spiked Amount 50.000		Recovery =	38.25%
Target Compounds			
1) T n-Nonane (C9)	2.634	2602340	19.830 ug/ml
2) T n-Decane (C10)	3.626	2638097	19.930 ug/ml
3) T A~Naphthalene (C11.7)	5.166	2903960	19.681 ug/ml
4) T n-Dodecane (C12)	5.599	2665941	20.074 ug/ml
5) T A~2-methylnaphthalene...	6.207	2916339	19.653 ug/ml
6) T n-Tetradecane (C14)	7.377	2726806	19.723 ug/ml
7) T n-Hexadecane (C16)	8.965	2735172	19.948 ug/ml
8) T n-Octadecane (C18)	10.398	2784967	19.721 ug/ml
10) T n-Eicosane (C20)	11.699	2748714	19.661 ug/ml
11) T n-Heneicosane (C21)	12.308	2729055	19.288 ug/ml
13) T n-Docosane (C22)	12.890	2734657	19.486 ug/ml
14) T n-Tetracosane (C24)	13.987	2765895	19.699 ug/ml
15) T n-Hexacosane (C26)	15.002	2672829	19.438 ug/ml
16) T n-Octacosane (C28)	15.947	2653934	19.509 ug/ml
17) T n-Tricontane (C30)	16.830	2583201	19.302 ug/ml
18) T n-Dotriacontane (C32)	17.658	2389748	18.462 ug/ml
19) T n-Tetratriacontane (C34)	18.438	2147619	17.713 ug/ml
20) T n-Hexatriacontane (C36)	19.173	1924546	18.059 ug/ml
21) T n-Octatriacontane (C38)	19.877	1798775	19.478 ug/mlm
22) T n-Tetracontane (C40)	20.701	1788082	22.964 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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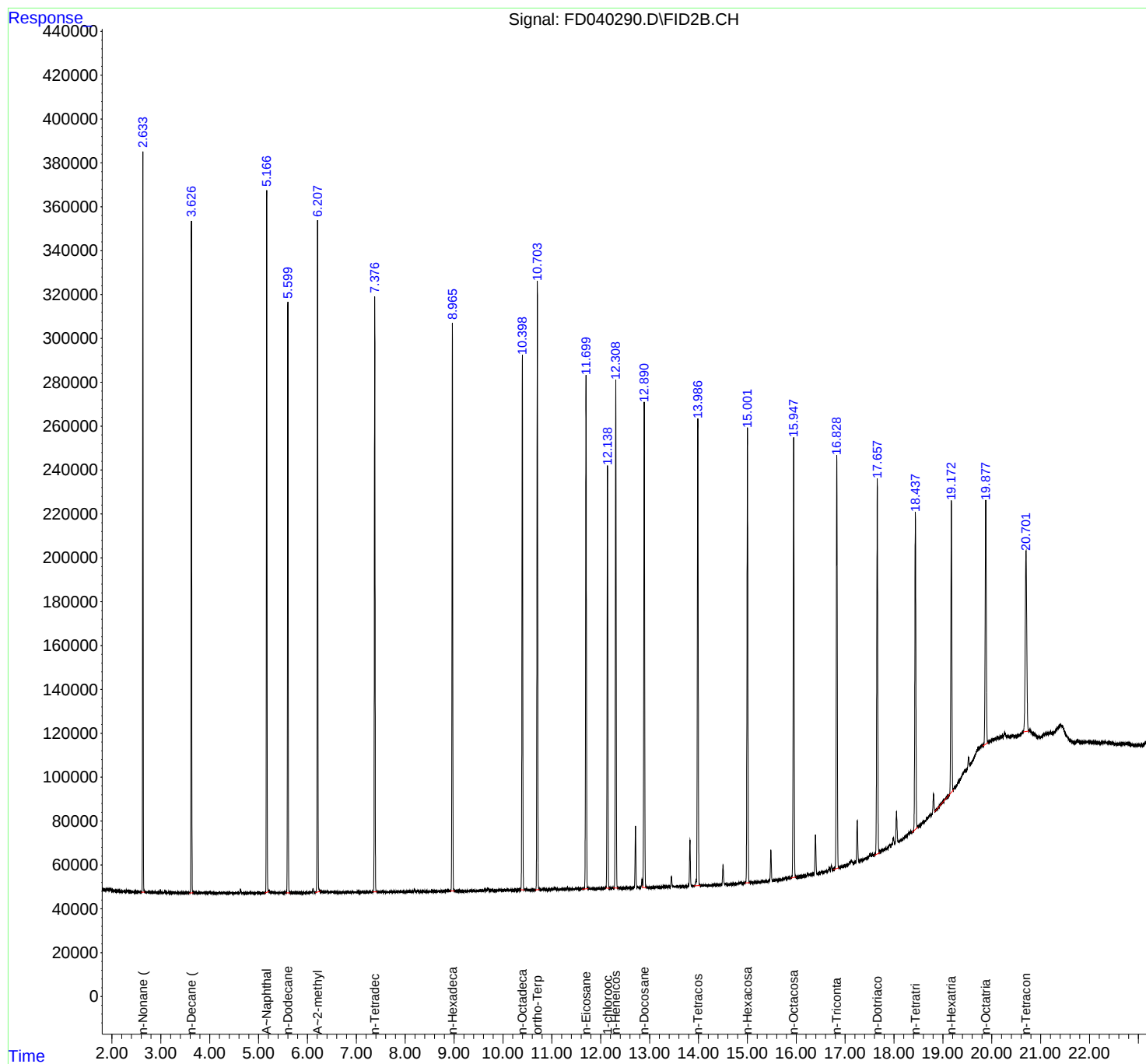
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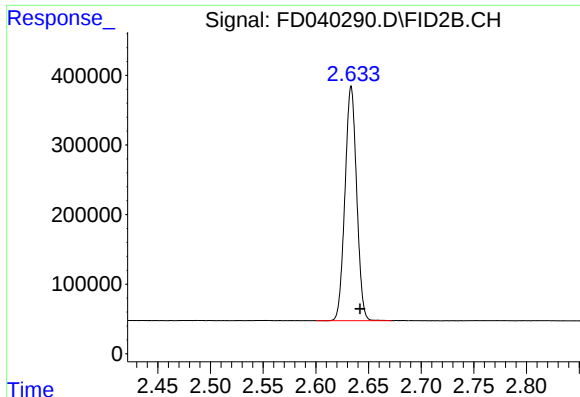
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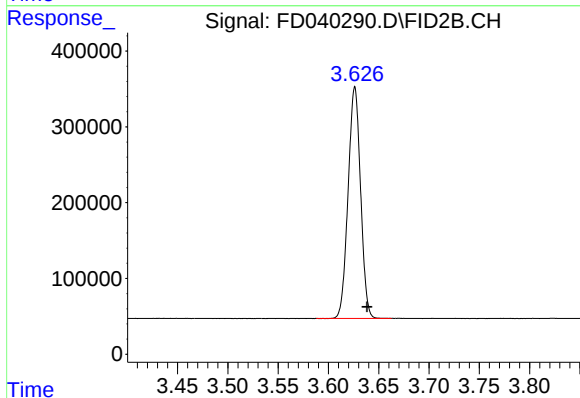
#1 n-Nonane (C9)

R.T.: 2.634 min
Delta R.T.: -0.008 min
Response: 2602340
Conc: 19.83 ug/ml

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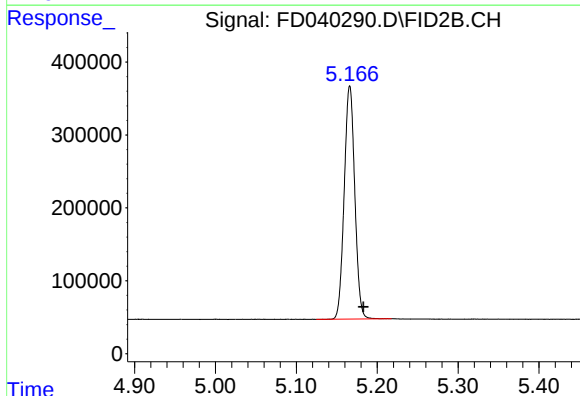
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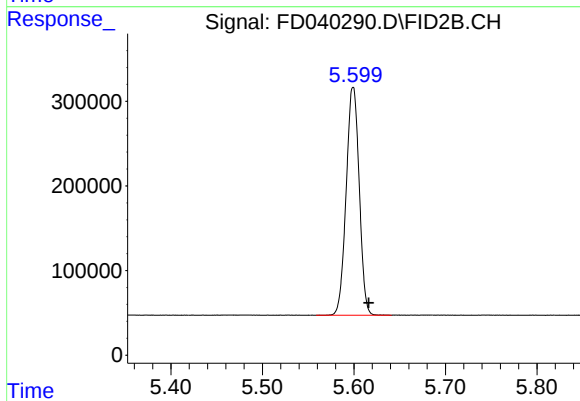
#2 n-Decane (C10)

R.T.: 3.626 min
Delta R.T.: -0.012 min
Response: 2638097
Conc: 19.93 ug/ml



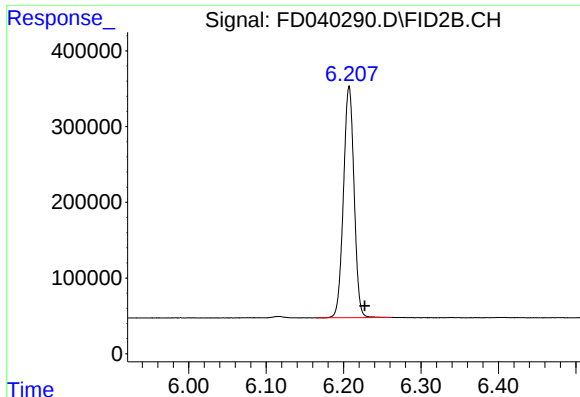
#3 A~Naphthalene (C11.7)

R.T.: 5.166 min
Delta R.T.: -0.017 min
Response: 2903960
Conc: 19.68 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.599 min
Delta R.T.: -0.017 min
Response: 2665941
Conc: 20.07 ug/ml



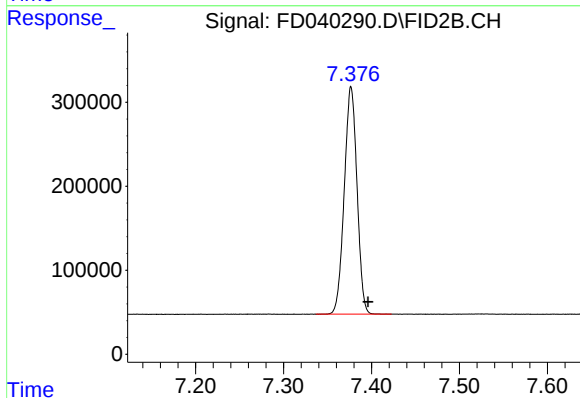
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.207 min
Delta R.T.: -0.020 min
Response: 2916339
Conc: 19.65 ug/ml

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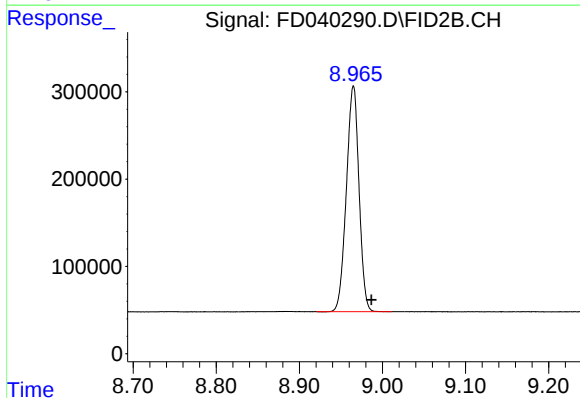
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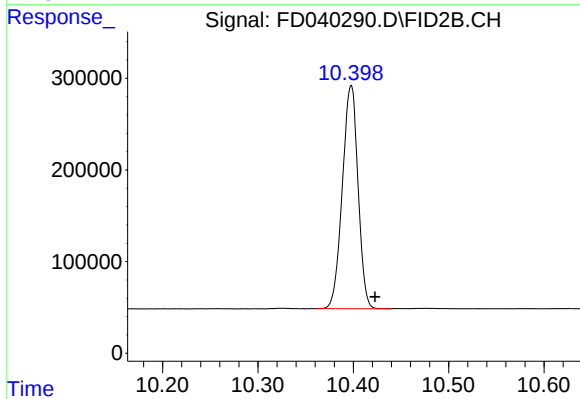
#6 n-Tetradecane (C14)

R.T.: 7.377 min
Delta R.T.: -0.019 min
Response: 2726806
Conc: 19.72 ug/ml



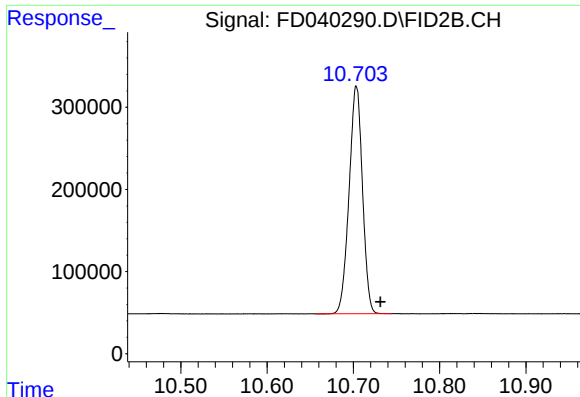
#7 n-Hexadecane (C16)

R.T.: 8.965 min
Delta R.T.: -0.022 min
Response: 2735172
Conc: 19.95 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.398 min
Delta R.T.: -0.025 min
Response: 2784967
Conc: 19.72 ug/ml



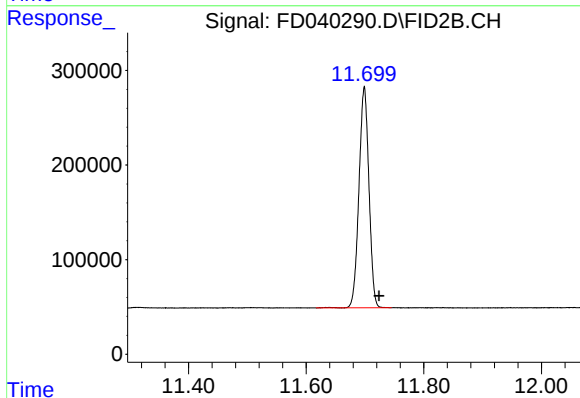
#9 ortho-Terphenyl (SURR)

R.T.: 10.704 min
Delta R.T.: -0.028 min
Response: 2992951
Conc: 19.21 ug/ml

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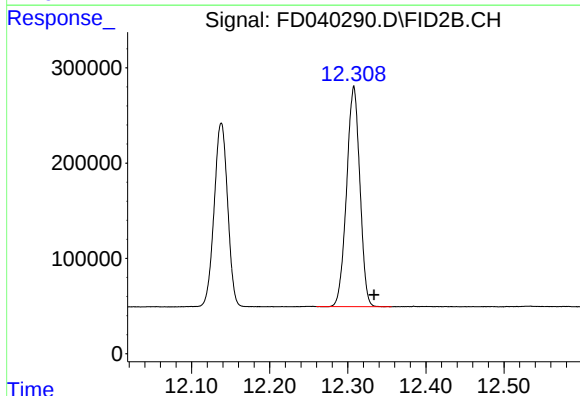
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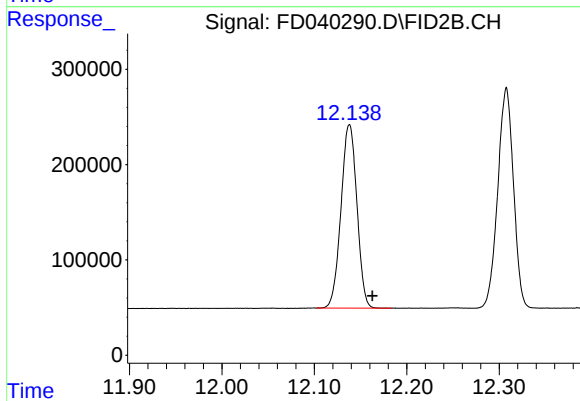
#10 n-Eicosane (C20)

R.T.: 11.699 min
Delta R.T.: -0.025 min
Response: 2748714
Conc: 19.66 ug/ml



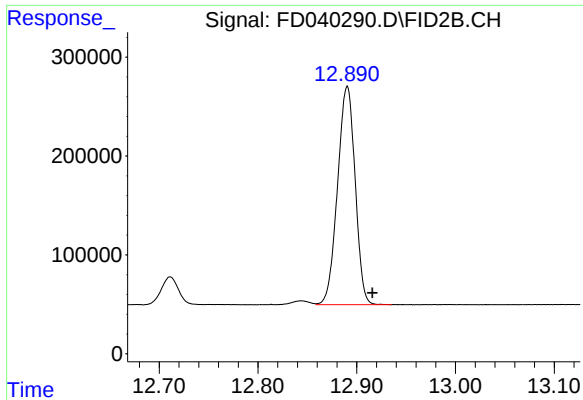
#11 n-Heneicosane (C21)

R.T.: 12.308 min
Delta R.T.: -0.026 min
Response: 2729055
Conc: 19.29 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.138 min
Delta R.T.: -0.025 min
Response: 2306166
Conc: 19.12 ug/ml



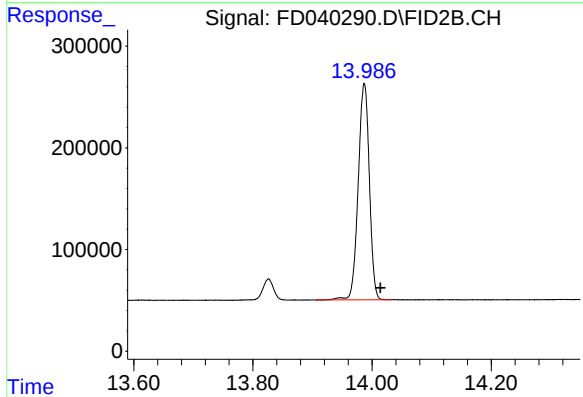
#13 n-Docosane (C22)

R.T.: 12.890 min
Delta R.T.: -0.025 min
Response: 2734657
Conc: 19.49 ug/ml

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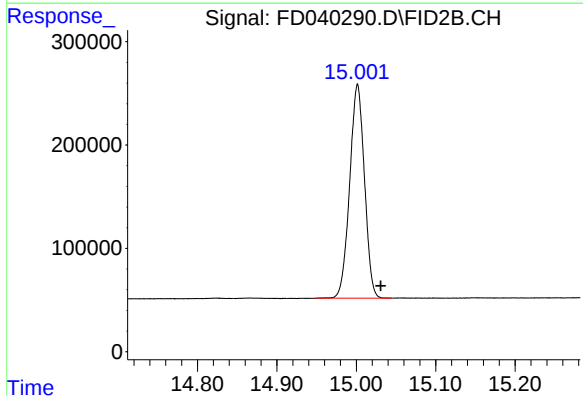
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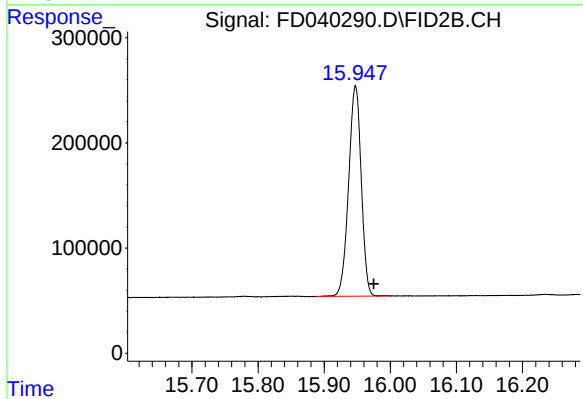
#14 n-Tetracosane (C24)

R.T.: 13.987 min
Delta R.T.: -0.027 min
Response: 2765895
Conc: 19.70 ug/ml



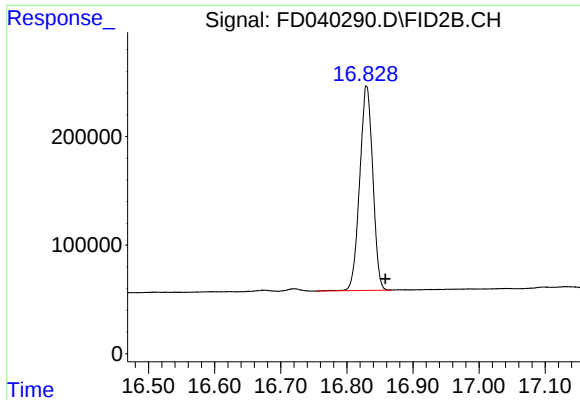
#15 n-Hexacosane (C26)

R.T.: 15.002 min
Delta R.T.: -0.029 min
Response: 2672829
Conc: 19.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.947 min
Delta R.T.: -0.028 min
Response: 2653934
Conc: 19.51 ug/ml



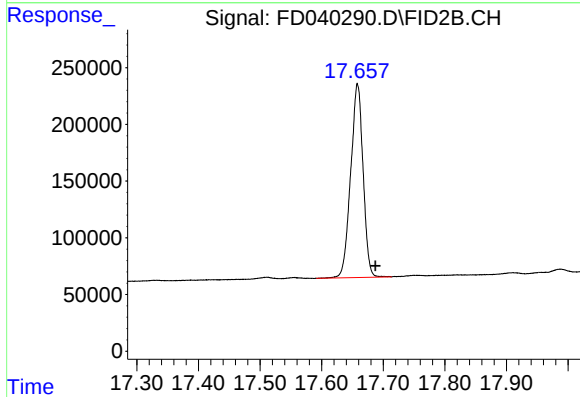
#17 n-Tricontane (C30)

R.T.: 16.830 min
Delta R.T.: -0.029 min
Response: 2583201
Conc: 19.30 ug/ml

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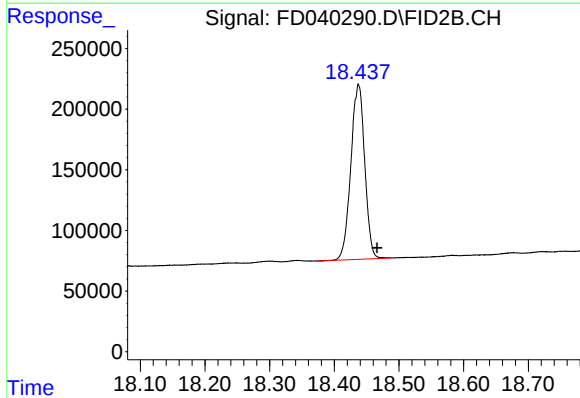
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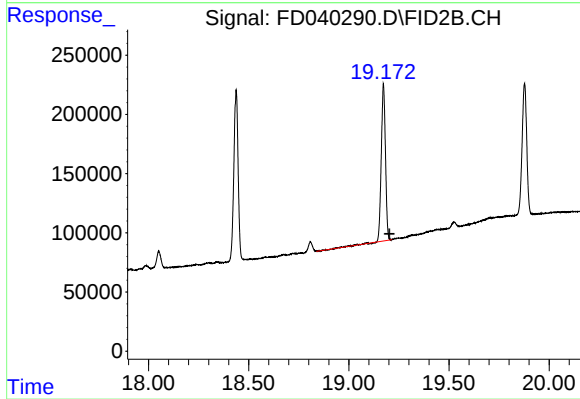
#18 n-Dotriacontane (C32)

R.T.: 17.658 min
Delta R.T.: -0.029 min
Response: 2389748
Conc: 18.46 ug/ml



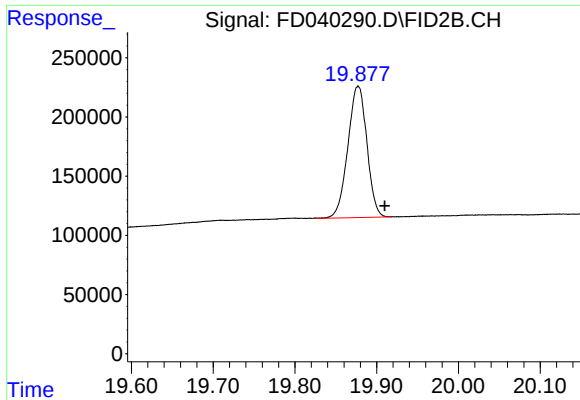
#19 n-Tetratriacontane (C34)

R.T.: 18.438 min
Delta R.T.: -0.029 min
Response: 2147619
Conc: 17.71 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.173 min
Delta R.T.: -0.031 min
Response: 1924546
Conc: 18.06 ug/ml



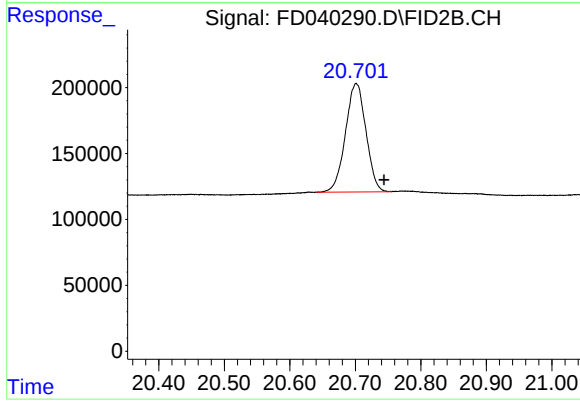
#21 n-Octatriacontane (C38)

R.T.: 19.877 min
Delta R.T.: -0.033 min
Response: 1798775
Conc: 19.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.701 min
Delta R.T.: -0.043 min
Response: 1788082
Conc: 22.96 ug/ml m