

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121721AL\
 Data File : FD040030.D
 Signal(s) : FID2B.CH
 Acq On : 18 Dec 2021 8:55
 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 12/20/2021
 Supervised By :Ankita Jodhani 12/23/2021

Integration File: autoint1.e
 Quant Time: Dec 19 23:53:44 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 121521.M
 Quant Title : GC Extractables
 QLast Update : Wed Dec 15 16:44:55 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)	10.753	3314144	21.111 ug/ml
Spiked Amount 50.000		Recovery =	42.22%
12) S 1-chlorooctadecane (S...	12.188	2605032	21.095 ug/ml
Spiked Amount 50.000		Recovery =	42.19%
Target Compounds			
1) T n-Nonane (C9)	2.658	3052235	21.690 ug/ml
2) T n-Decane (C10)	3.657	3093233	21.687 ug/ml
3) T A~Naphthalene (C11.7)	5.204	3480419	21.681 ug/ml
4) T n-Dodecane (C12)	5.637	3113654	21.807 ug/ml
5) T A~2-methylnaphthalene...	6.248	3519342	21.808 ug/ml
6) T n-Tetradecane (C14)	7.419	3154601	21.887 ug/ml
7) T n-Hexadecane (C16)	9.010	3164154	21.750 ug/ml
8) T n-Octadecane (C18)	10.444	3213900	21.598 ug/ml
10) T n-Eicosane (C20)	11.748	3142371	21.486 ug/ml
11) T n-Heneicosane (C21)	12.357	3118156	21.224 ug/ml
13) T n-Docosane (C22)	12.941	3095622	21.199 ug/mlm
14) T n-Tetracosane (C24)	14.040	3123025	21.443 ug/mlm
15) T n-Hexacosane (C26)	15.056	3052511	21.764 ug/ml
16) T n-Octacosane (C28)	16.003	3002912	22.141 ug/ml
17) T n-Tricontane (C30)	16.886	2923058	22.369 ug/mlm
18) T n-Dotriacontane (C32)	17.717	2867132	23.037 ug/mlm
19) T n-Tetratriacontane (C34)	18.499	2797285	23.160 ug/mlm
20) T n-Hexatriacontane (C36)	19.236	2603409	22.638 ug/mlm
21) T n-Octatriacontane (C38)	19.949	2489626	22.304 ug/mlm
22) T n-Tetracontane (C40)	20.797	2413317	21.180 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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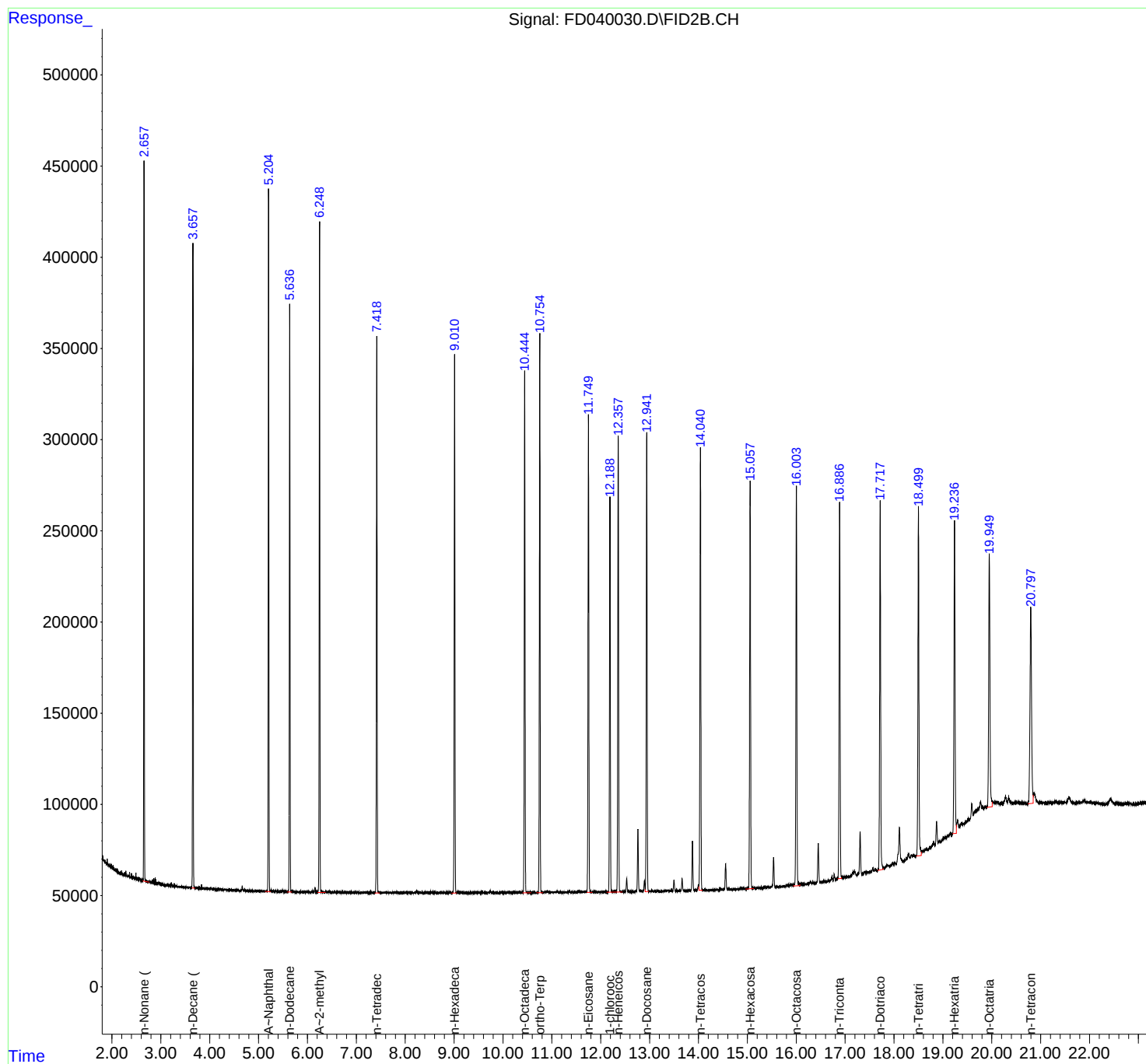
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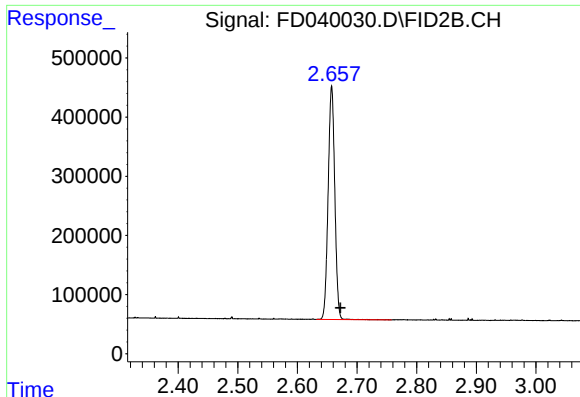
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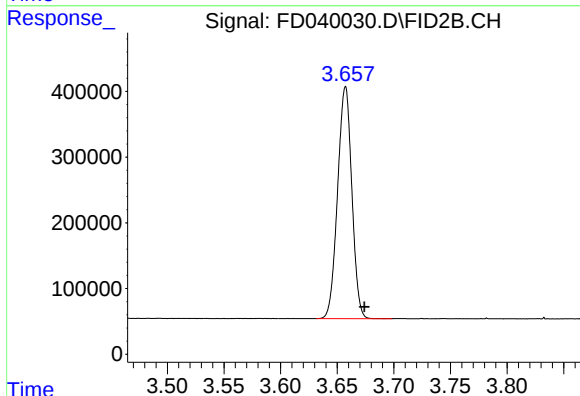
#1 n-Nonane (C9)

R.T.: 2.658 min
Delta R.T.: -0.014 min
Response: 3052235
Conc: 21.69 ug/ml

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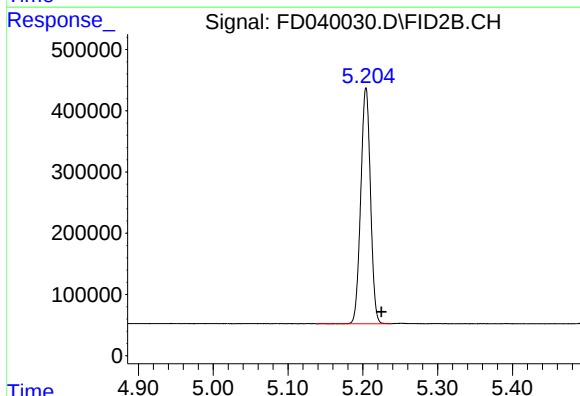
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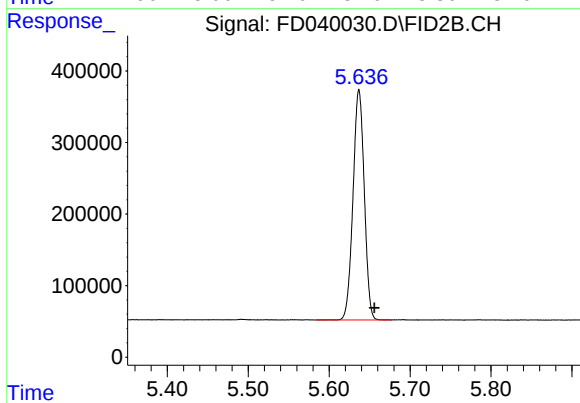
#2 n-Decane (C10)

R.T.: 3.657 min
Delta R.T.: -0.017 min
Response: 3093233
Conc: 21.69 ug/ml



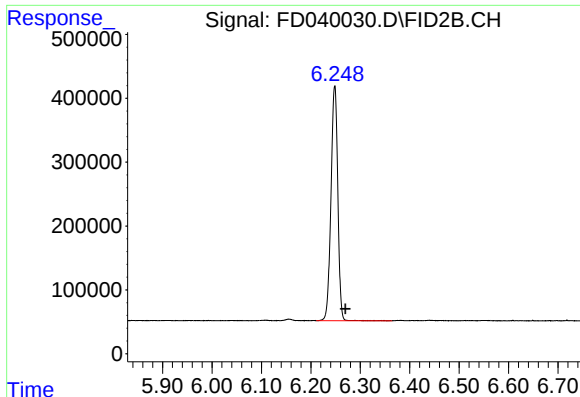
#3 A~Naphthalene (C11.7)

R.T.: 5.204 min
Delta R.T.: -0.021 min
Response: 3480419
Conc: 21.68 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.637 min
Delta R.T.: -0.019 min
Response: 3113654
Conc: 21.81 ug/ml



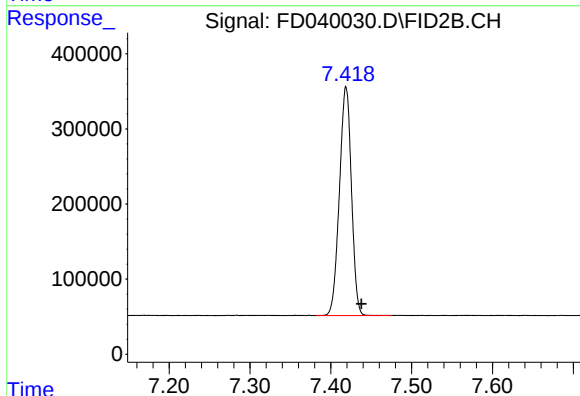
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.248 min
Delta R.T.: -0.022 min
Response: 3519342
Conc: 21.81 ug/ml

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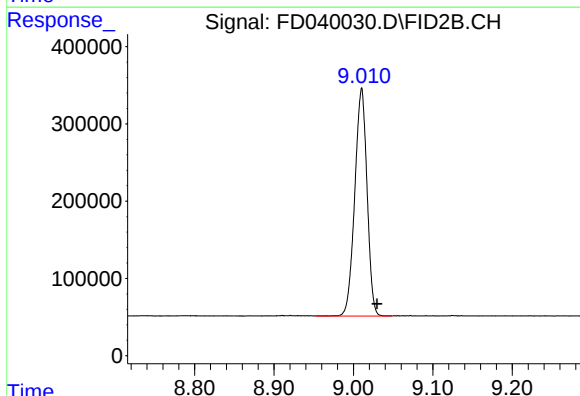
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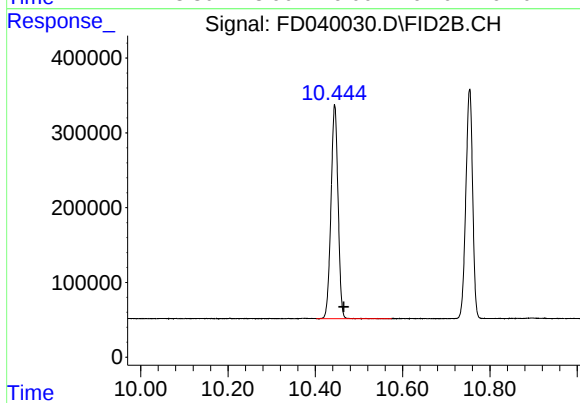
#6 n-Tetradecane (C14)

R.T.: 7.419 min
Delta R.T.: -0.019 min
Response: 3154601
Conc: 21.89 ug/ml



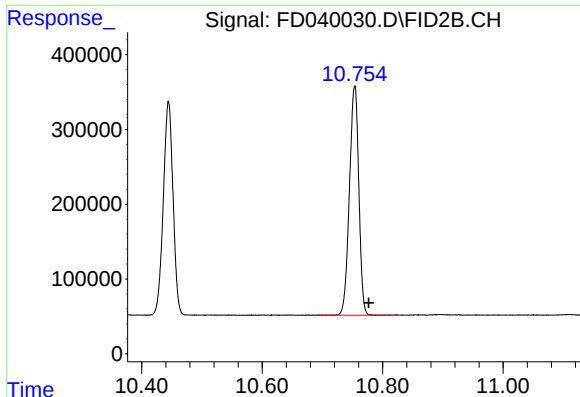
#7 n-Hexadecane (C16)

R.T.: 9.010 min
Delta R.T.: -0.020 min
Response: 3164154
Conc: 21.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.444 min
Delta R.T.: -0.021 min
Response: 3213900
Conc: 21.60 ug/ml



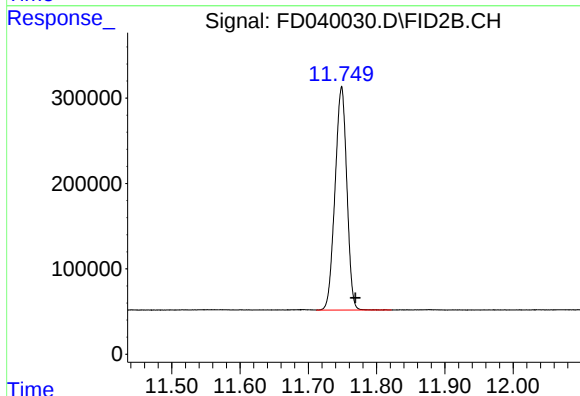
#9 ortho-Terphenyl (SURR)

R.T.: 10.753 min
Delta R.T.: -0.024 min
Response: 3314144
Conc: 21.11 ug/ml

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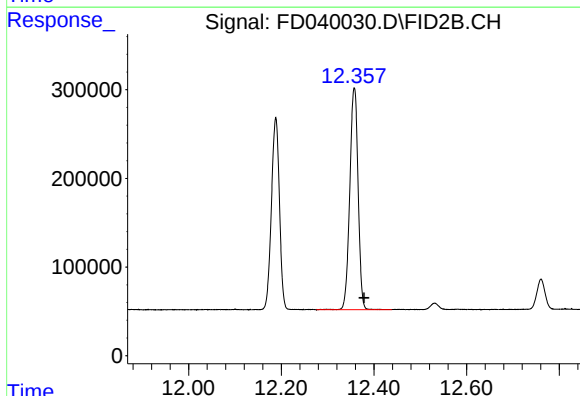
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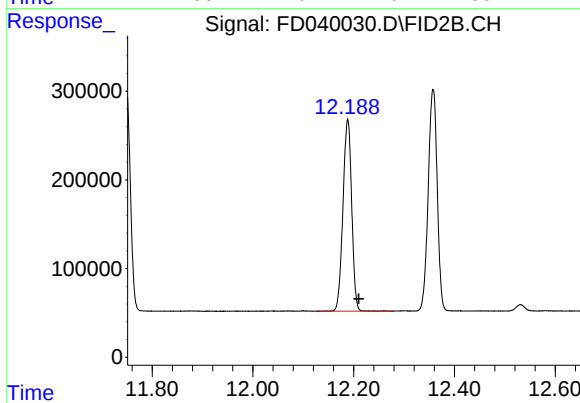
#10 n-Eicosane (C20)

R.T.: 11.748 min
Delta R.T.: -0.021 min
Response: 3142371
Conc: 21.49 ug/ml



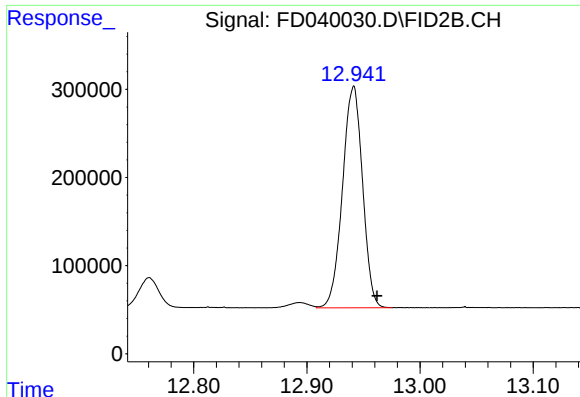
#11 n-Heneicosane (C21)

R.T.: 12.357 min
Delta R.T.: -0.022 min
Response: 3118156
Conc: 21.22 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.188 min
Delta R.T.: -0.022 min
Response: 2605032
Conc: 21.09 ug/ml



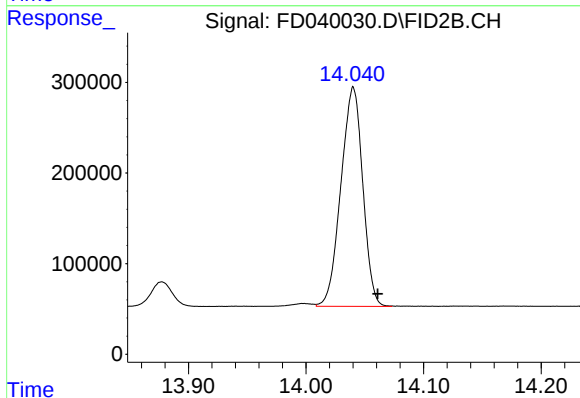
#13 n-Docosane (C22)

R.T.: 12.941 min
Delta R.T.: -0.021 min
Response: 3095622
Conc: 21.20 ug/ml

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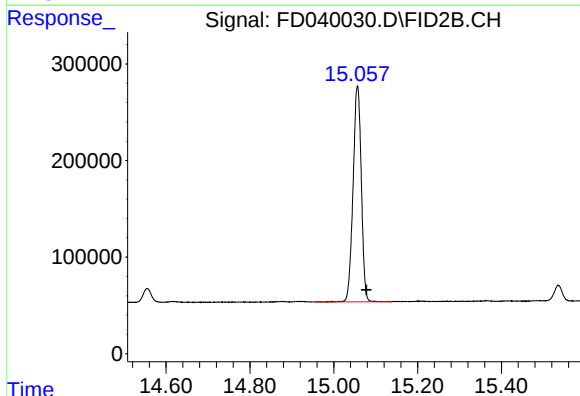
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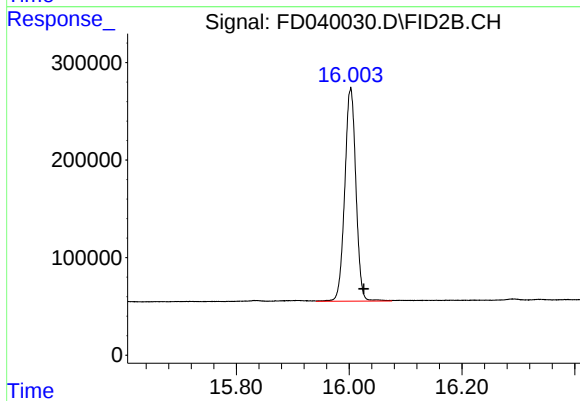
#14 n-Tetracosane (C24)

R.T.: 14.040 min
Delta R.T.: -0.021 min
Response: 3123025
Conc: 21.44 ug/ml m



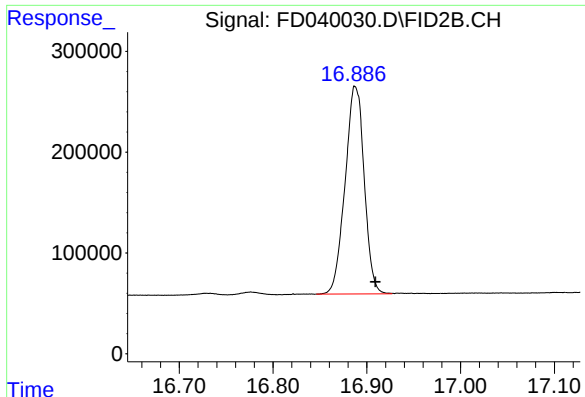
#15 n-Hexacosane (C26)

R.T.: 15.056 min
Delta R.T.: -0.022 min
Response: 3052511
Conc: 21.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.003 min
Delta R.T.: -0.023 min
Response: 3002912
Conc: 22.14 ug/ml



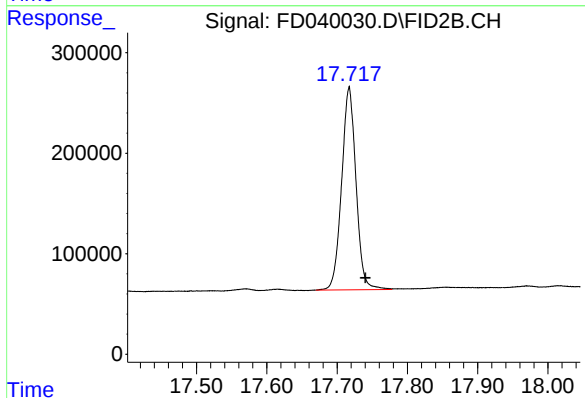
#17 n-Tricontane (C30)

R.T.: 16.886 min
Delta R.T.: -0.023 min
Response: 2923058
Conc: 22.37 ug/ml

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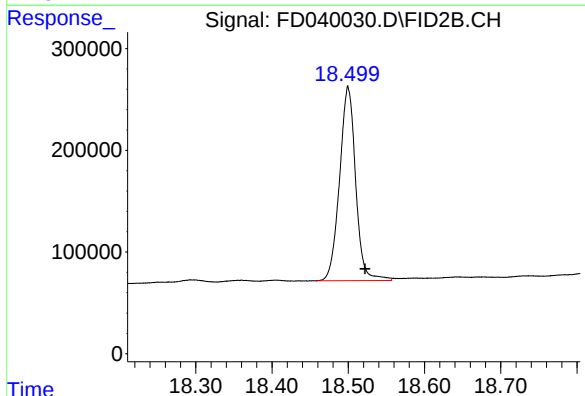
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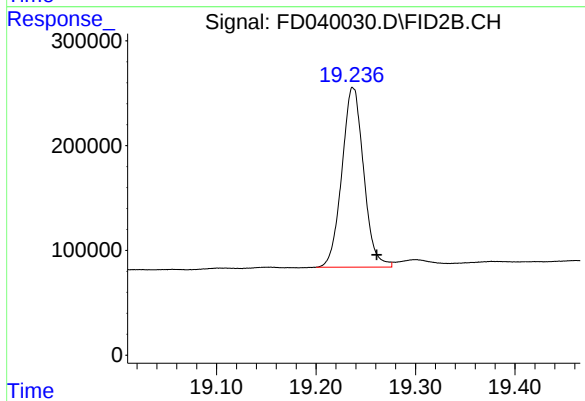
#18 n-Dotriacontane (C32)

R.T.: 17.717 min
Delta R.T.: -0.023 min
Response: 2867132
Conc: 23.04 ug/ml m



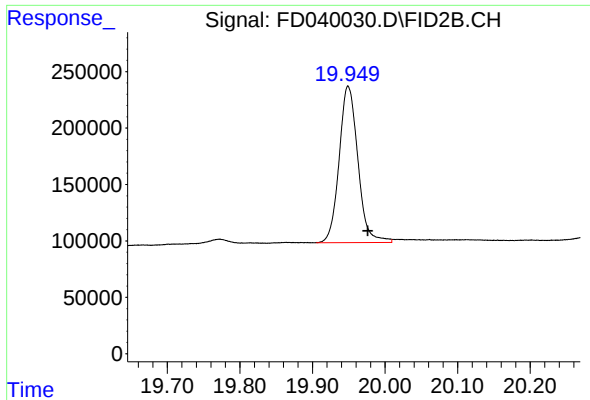
#19 n-Tetratriacontane (C34)

R.T.: 18.499 min
Delta R.T.: -0.023 min
Response: 2797285
Conc: 23.16 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.236 min
Delta R.T.: -0.025 min
Response: 2603409
Conc: 22.64 ug/ml m



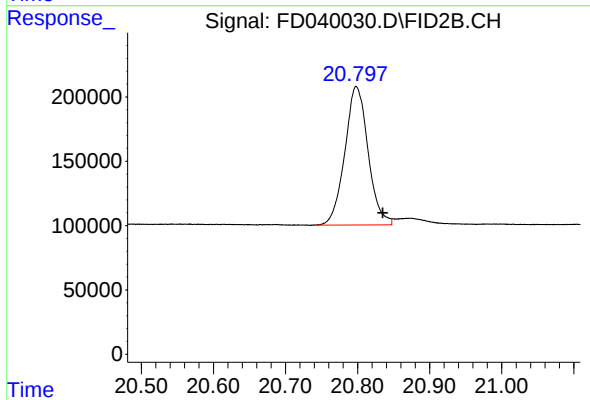
#21 n-Octatriacontane (C38)

R.T.: 19.949 min
Delta R.T.: -0.027 min
Response: 2489626
Conc: 22.30 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.797 min
Delta R.T.: -0.038 min
Response: 2413317
Conc: 21.18 ug/ml m