

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092524AL\
 Data File : FE050342.D
 Signal(s) : FID1B.ch
 Acq On : 25 Sep 2024 08:59
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/26/2024
 Supervised By :Ankita Jodhani 09/26/2024

Integration File: autoint1.e
 Quant Time: Sep 26 01:16:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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)	11.867	2487573	16.720 ug/ml
Spiked Amount 50.000		Recovery =	33.44%
12) S 1-chlorooctadecane (S...	13.301	1880943	16.745 ug/ml
Spiked Amount 50.000		Recovery =	33.49%
Target Compounds			
1) T n-Nonane (C9)	3.258	2263394	16.698 ug/ml
2) T n-Decane (C10)	4.507	2342669	16.974 ug/ml
3) T A~Naphthalene (C11.7)	6.217	2356581	16.836 ug/ml
4) T n-Dodecane (C12)	6.673	2355662	17.035 ug/mlm
5) T A~2-methylnaphthalene...	7.312	2222357	16.908 ug/ml
6) T n-Tetradecane (C14)	8.501	2327223	17.090 ug/ml
7) T n-Hexadecane (C16)	10.107	2408142	17.337 ug/ml
8) T n-Octadecane (C18)	11.548	2430317	17.347 ug/ml
10) T n-Eicosane (C20)	12.855	2327216	17.349 ug/mlm
11) T n-Heneicosane (C21)	13.467	2284381	17.385 ug/ml
13) T n-Docosane (C22)	14.052	2269534	17.429 ug/ml
14) T n-Tetracosane (C24)	15.153	2280637	17.464 ug/ml
15) T n-Hexacosane (C26)	16.173	2258695	17.654 ug/ml
16) T n-Octacosane (C28)	17.122	2320667	18.016 ug/mlm
17) T n-Tricontane (C30)	18.008	2532380	18.938 ug/ml
18) T n-Dotriacontane (C32)	18.840	2612735	19.607 ug/ml
19) T n-Tetratriacontane (C34)	19.622	2606532	21.095 ug/ml
20) T n-Hexatriacontane (C36)	20.362	2555138	23.030 ug/mlm
21) T n-Octatriacontane (C38)	21.087	2470180	22.399 ug/ml
22) T n-Tetracontane (C40)	21.974	2273562	20.894 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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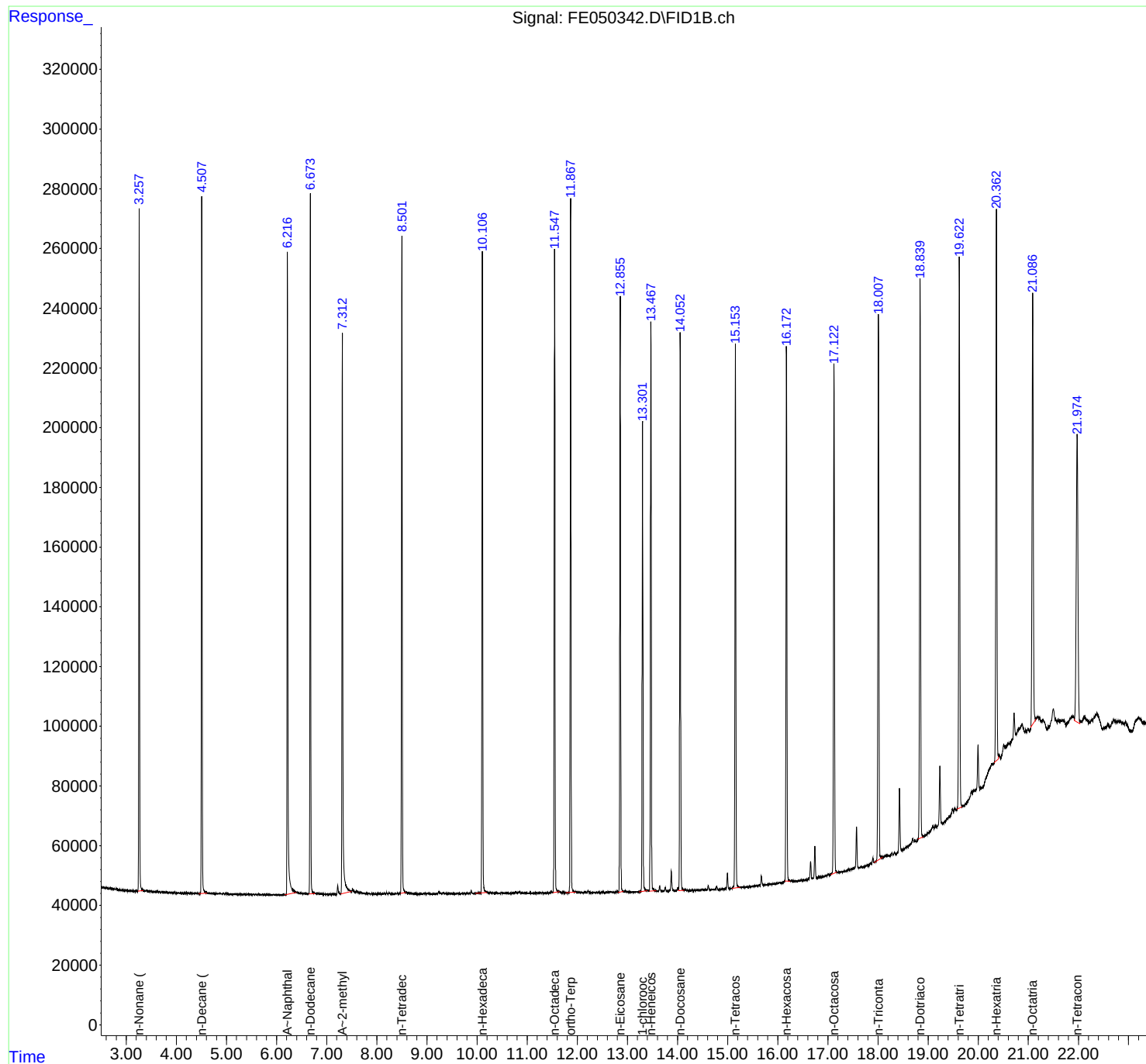
Instrument :
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20 PPM ALIPHATIC HC STD

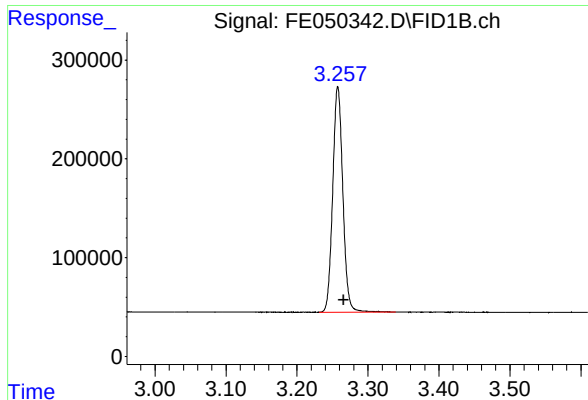
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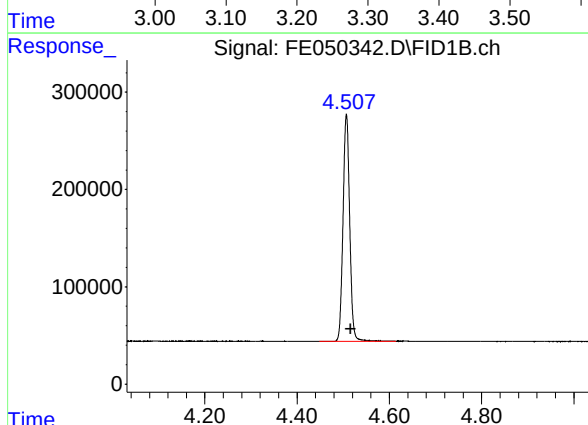
#1 n-Nonane (C9)

R.T.: 3.258 min
Delta R.T.: -0.008 min
Response: 2263394
Conc: 16.70 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

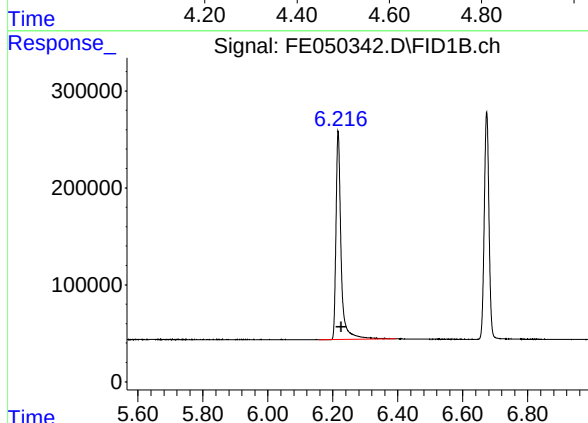
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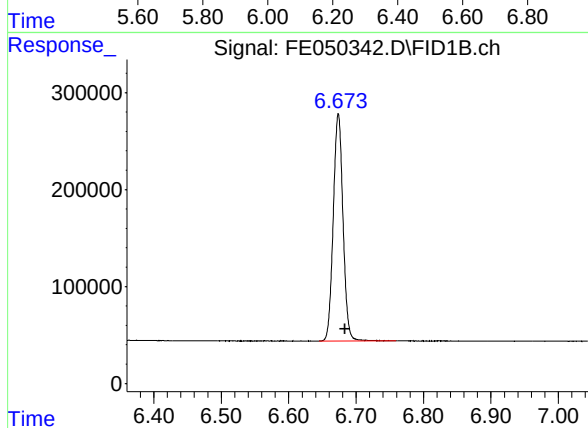
#2 n-Decane (C10)

R.T.: 4.507 min
Delta R.T.: -0.010 min
Response: 2342669
Conc: 16.97 ug/ml



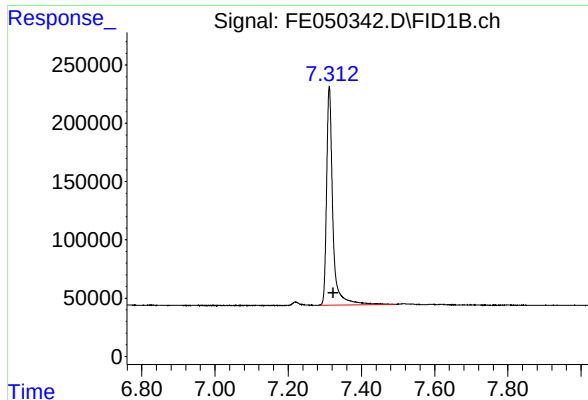
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: -0.010 min
Response: 2356581
Conc: 16.84 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.673 min
Delta R.T.: -0.011 min
Response: 2355662
Conc: 17.04 ug/ml m



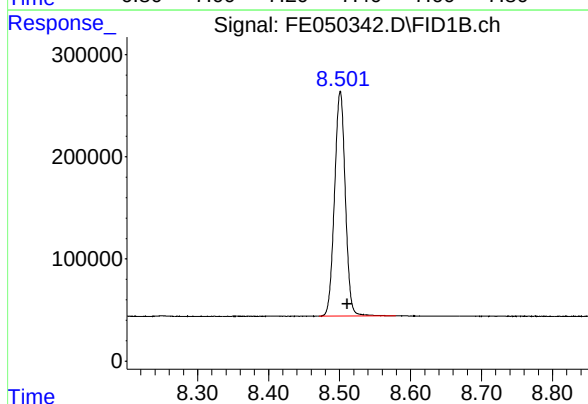
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.011 min
Response: 2222357
Conc: 16.91 ug/ml

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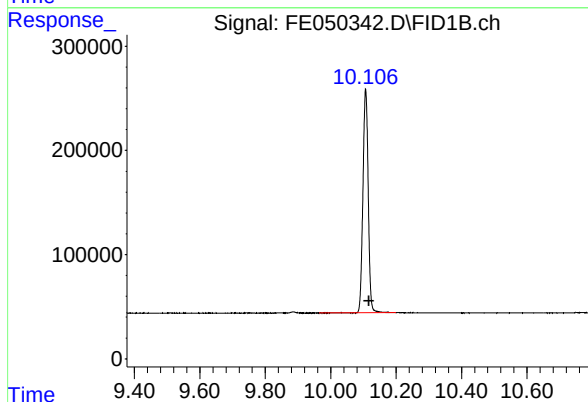
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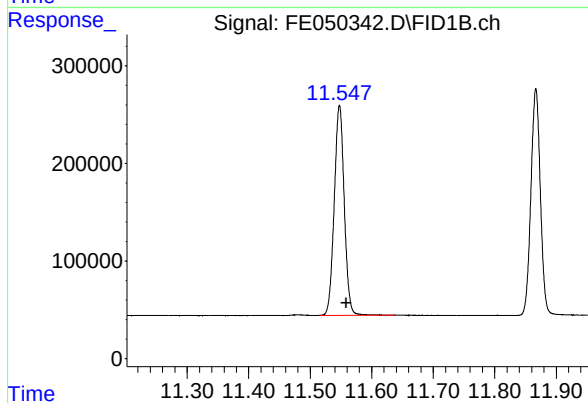
#6 n-Tetradecane (C14)

R.T.: 8.501 min
Delta R.T.: -0.010 min
Response: 2327223
Conc: 17.09 ug/ml



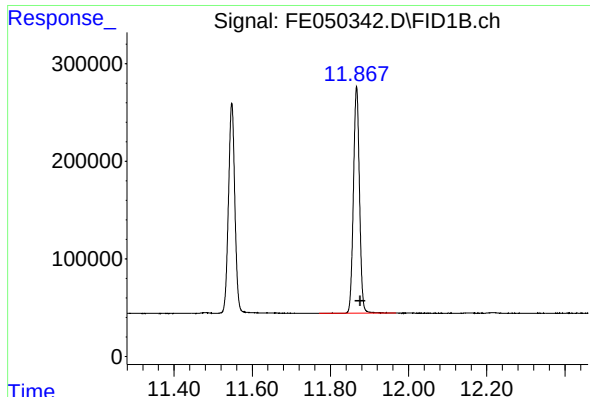
#7 n-Hexadecane (C16)

R.T.: 10.107 min
Delta R.T.: -0.010 min
Response: 2408142
Conc: 17.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.548 min
Delta R.T.: -0.011 min
Response: 2430317
Conc: 17.35 ug/ml



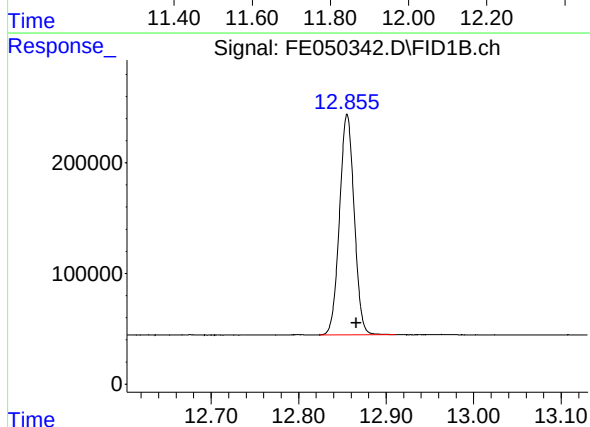
#9 ortho-Terphenyl (SURR)

R.T.: 11.867 min
Delta R.T.: -0.009 min
Response: 2487573
Conc: 16.72 ug/ml

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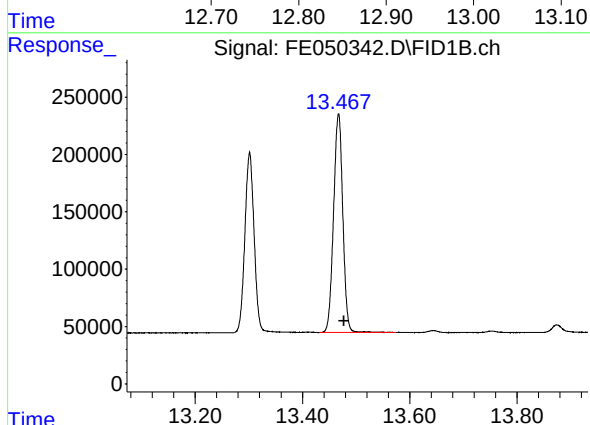
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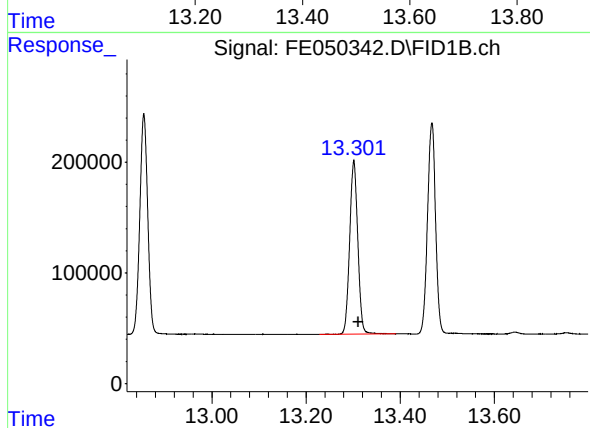
#10 n-Eicosane (C20)

R.T.: 12.855 min
Delta R.T.: -0.011 min
Response: 2327216
Conc: 17.35 ug/ml m



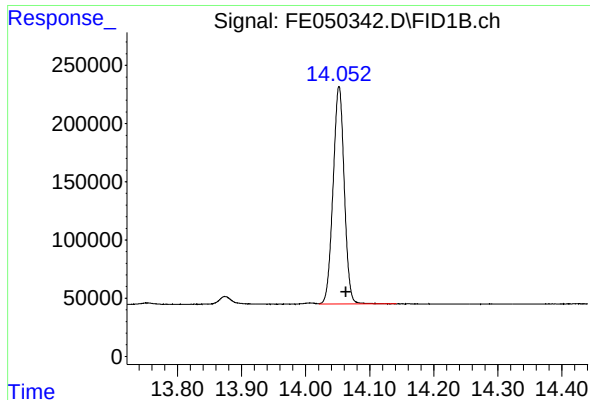
#11 n-Heneicosane (C21)

R.T.: 13.467 min
Delta R.T.: -0.010 min
Response: 2284381
Conc: 17.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.301 min
Delta R.T.: -0.010 min
Response: 1880943
Conc: 16.75 ug/ml



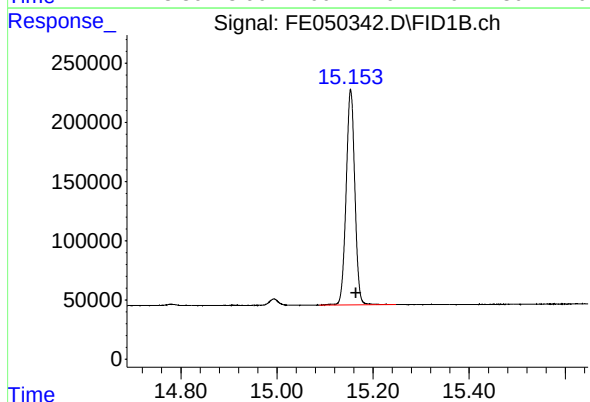
#13 n-Docosane (C22)

R.T.: 14.052 min
Delta R.T.: -0.011 min
Response: 2269534
Conc: 17.43 ug/ml

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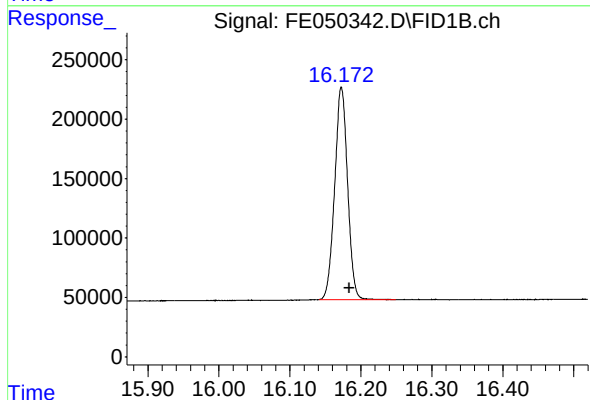
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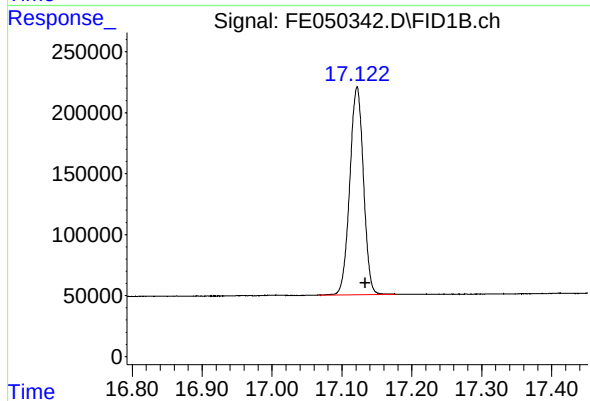
#14 n-Tetracosane (C24)

R.T.: 15.153 min
Delta R.T.: -0.011 min
Response: 2280637
Conc: 17.46 ug/ml



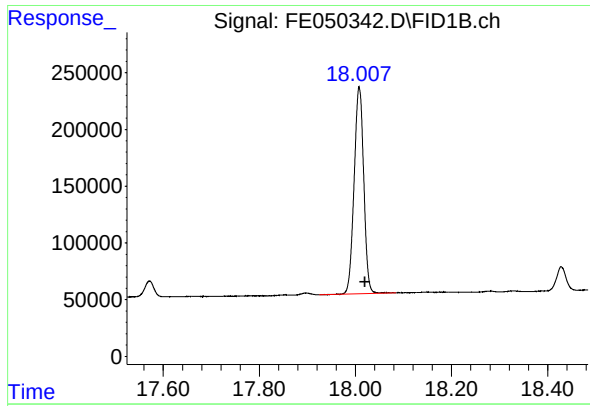
#15 n-Hexacosane (C26)

R.T.: 16.173 min
Delta R.T.: -0.011 min
Response: 2258695
Conc: 17.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.122 min
Delta R.T.: -0.011 min
Response: 2320667
Conc: 18.02 ug/ml m



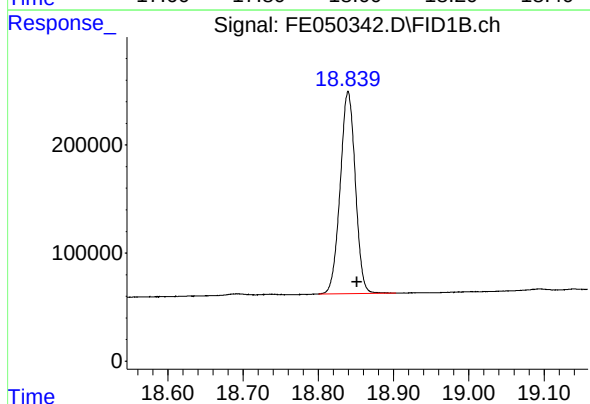
#17 n-Tricontane (C30)

R.T.: 18.008 min
Delta R.T.: -0.012 min
Response: 2532380
Conc: 18.94 ug/ml

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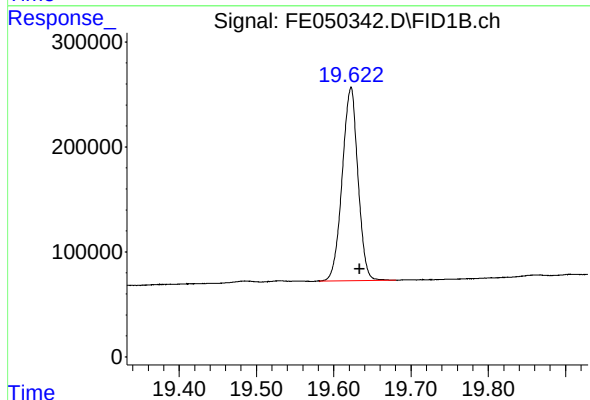
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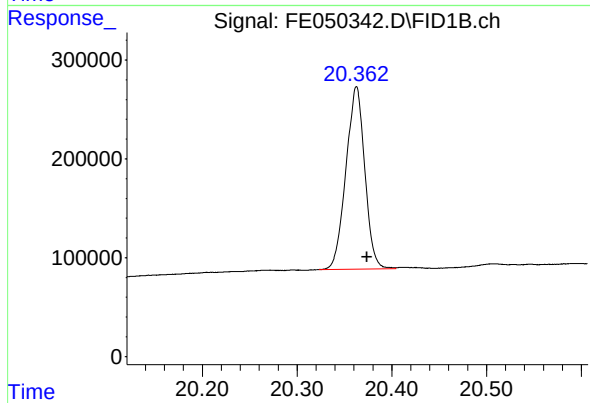
#18 n-Dotriacontane (C32)

R.T.: 18.840 min
Delta R.T.: -0.011 min
Response: 2612735
Conc: 19.61 ug/ml



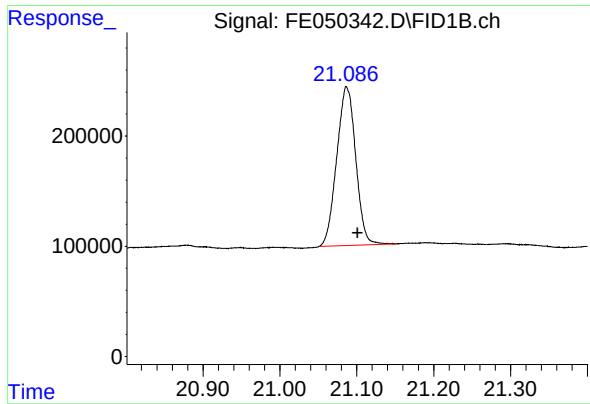
#19 n-Tetatriacontane (C34)

R.T.: 19.622 min
Delta R.T.: -0.012 min
Response: 2606532
Conc: 21.10 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.362 min
Delta R.T.: -0.011 min
Response: 2555138
Conc: 23.03 ug/ml m



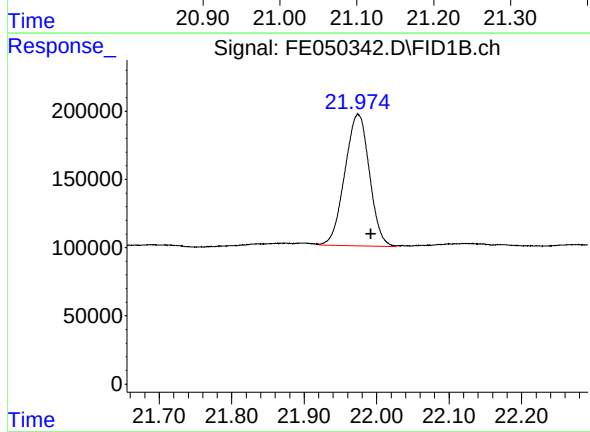
#21 n-Octatriacontane (C38)

R.T.: 21.087 min
Delta R.T.: -0.014 min
Response: 2470180
Conc: 22.40 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.974 min
Delta R.T.: -0.019 min
Response: 2273562
Conc: 20.89 ug/ml m