

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100324AL\
 Data File : FE050491.D
 Signal(s) : FID1B.ch
 Acq On : 03 Oct 2024 13:21
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/04/2024
 Supervised By :Ankita Jodhani 10/04/2024

Integration File: autoint1.e
 Quant Time: Oct 04 03:15:39 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)	11.860	2589914	17.408 ug/ml
Spiked Amount 50.000		Recovery =	34.82%
12) S 1-chlorooctadecane (S...	13.296	1969099	17.530 ug/ml
Spiked Amount 50.000		Recovery =	35.06%
Target Compounds			
1) T n-Nonane (C9)	3.249	2278205	16.808 ug/ml
2) T n-Decane (C10)	4.499	2387026	17.296 ug/ml
3) T A~Naphthalene (C11.7)	6.210	2405273	17.184 ug/ml
4) T n-Dodecane (C12)	6.667	2402655	17.375 ug/ml
5) T A~2-methylnaphthalene...	7.307	2253041	17.141 ug/ml
6) T n-Tetradecane (C14)	8.494	2345135	17.222 ug/ml
7) T n-Hexadecane (C16)	10.100	2491741	17.939 ug/mlm
8) T n-Octadecane (C18)	11.541	2535122	18.095 ug/ml
10) T n-Eicosane (C20)	12.849	2415492	18.007 ug/ml
11) T n-Heneicosane (C21)	13.460	2382860	18.135 ug/ml
13) T n-Docosane (C22)	14.046	2377821	18.260 ug/ml
14) T n-Tetracosane (C24)	15.147	2433765	18.637 ug/ml
15) T n-Hexacosane (C26)	16.167	2407705	18.819 ug/ml
16) T n-Octacosane (C28)	17.116	2572968	19.975 ug/ml
17) T n-Tricontane (C30)	18.002	2887091	21.590 ug/ml
18) T n-Dotriacontane (C32)	18.833	3026817	22.714 ug/ml
19) T n-Tetratriacontane (C34)	19.616	2906289	23.521 ug/ml
20) T n-Hexatriacontane (C36)	20.355	2715842	24.478 ug/ml
21) T n-Octatriacontane (C38)	21.079	2596430	23.544 ug/ml
22) T n-Tetracontane (C40)	21.963	2449713	22.513 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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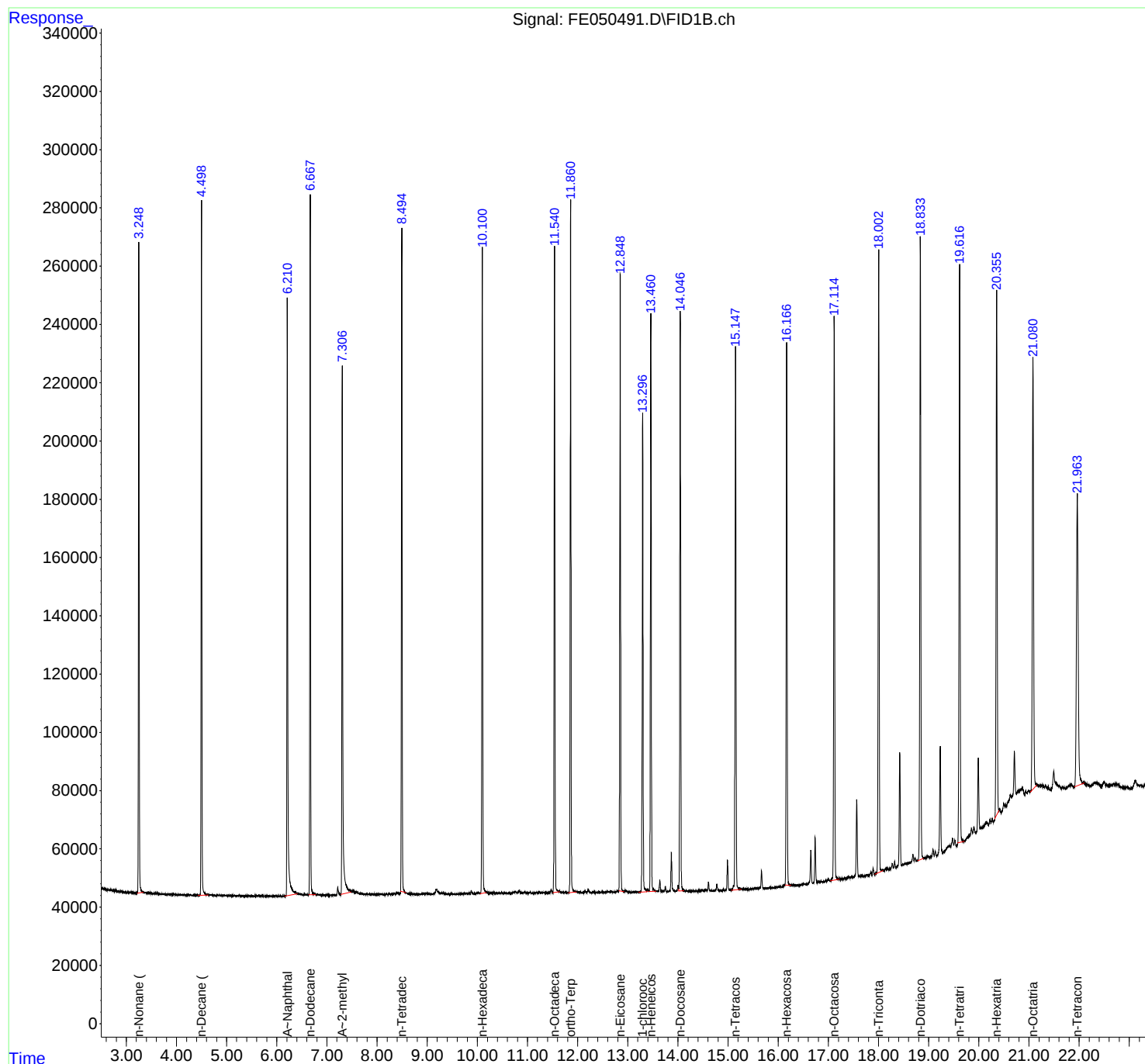
Instrument :
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20 PPM ALIPHATIC HC STD

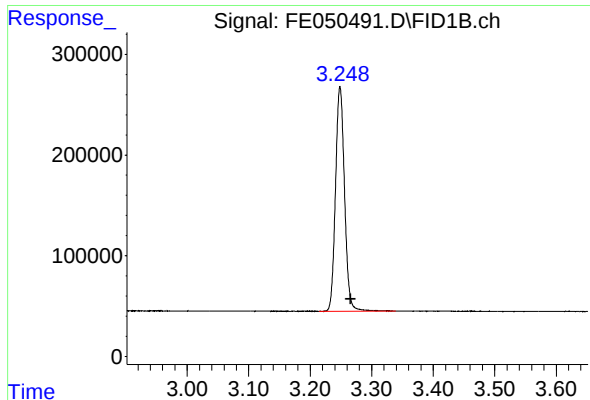
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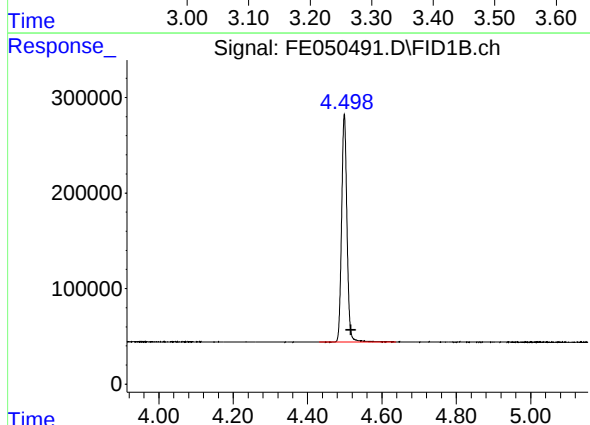
#1 n-Nonane (C9)

R.T.: 3.249 min
Delta R.T.: -0.017 min
Response: 2278205
Conc: 16.81 ug/ml

Instrument : FID_E
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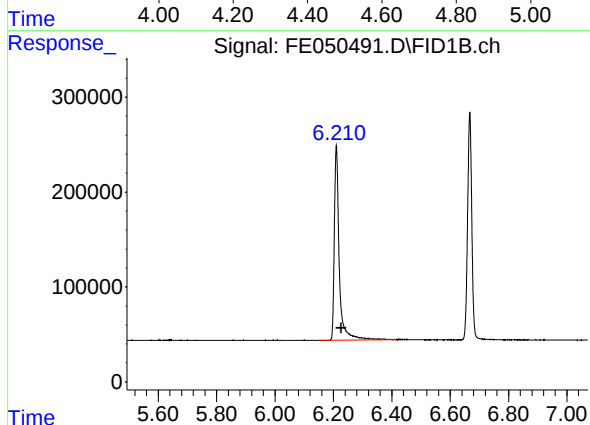
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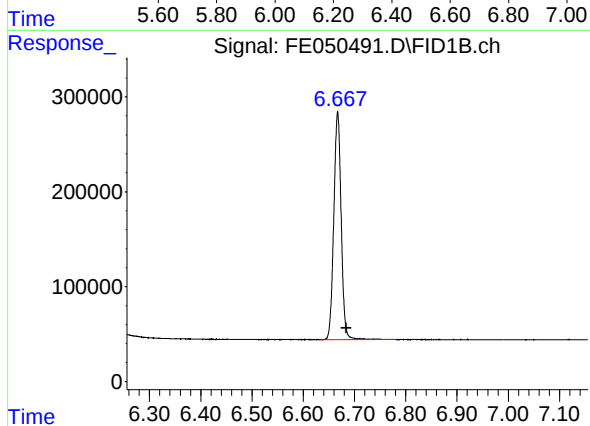
#2 n-Decane (C10)

R.T.: 4.499 min
Delta R.T.: -0.018 min
Response: 2387026
Conc: 17.30 ug/ml



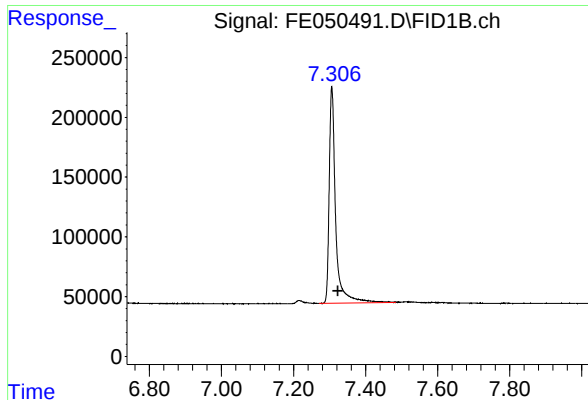
#3 A~Naphthalene (C11.7)

R.T.: 6.210 min
Delta R.T.: -0.017 min
Response: 2405273
Conc: 17.18 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.667 min
Delta R.T.: -0.017 min
Response: 2402655
Conc: 17.37 ug/ml



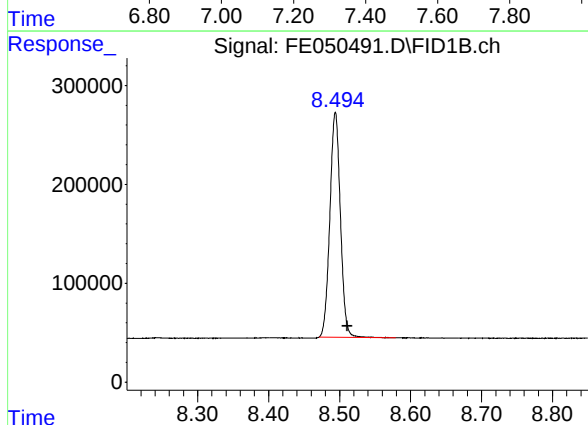
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.307 min
Delta R.T.: -0.016 min
Response: 2253041
Conc: 17.14 ug/ml

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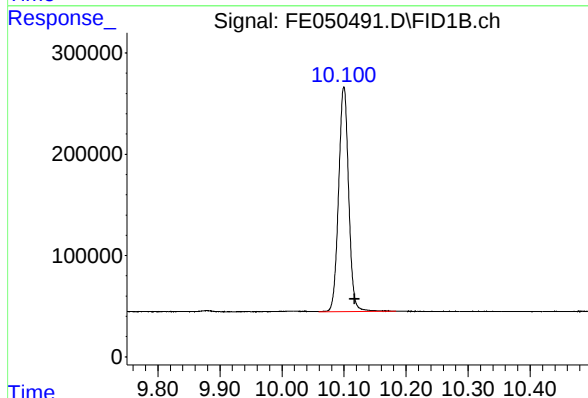
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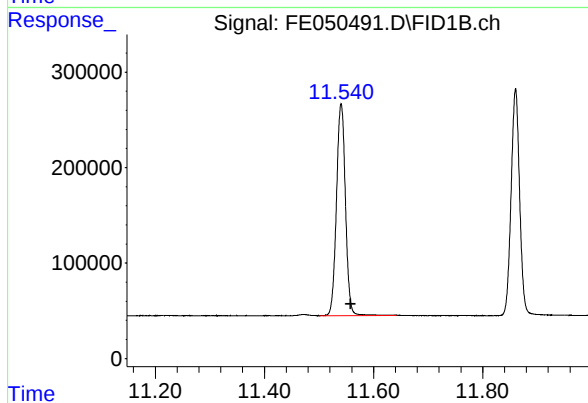
#6 n-Tetradecane (C14)

R.T.: 8.494 min
Delta R.T.: -0.017 min
Response: 2345135
Conc: 17.22 ug/ml



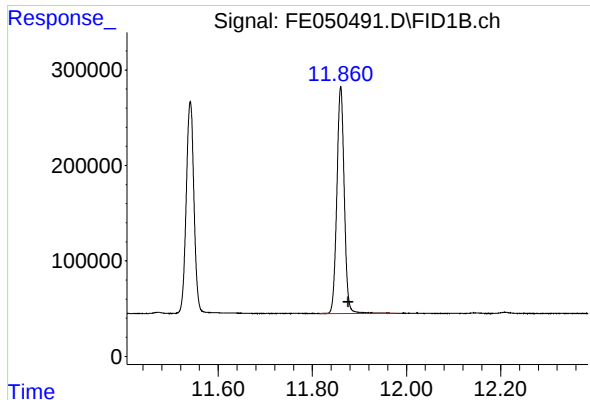
#7 n-Hexadecane (C16)

R.T.: 10.100 min
Delta R.T.: -0.017 min
Response: 2491741
Conc: 17.94 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.541 min
Delta R.T.: -0.018 min
Response: 2535122
Conc: 18.09 ug/ml



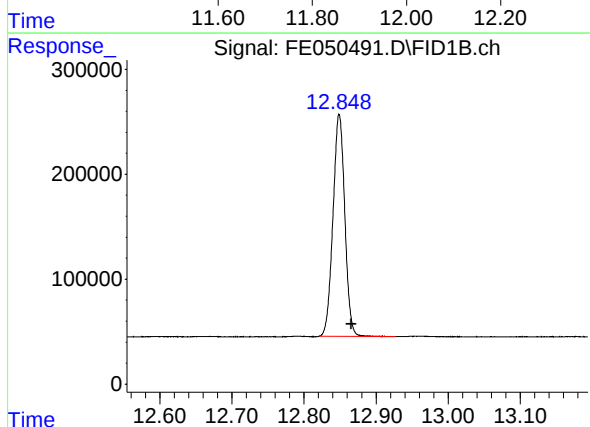
#9 ortho-Terphenyl (SURR)

R.T.: 11.860 min
Delta R.T.: -0.016 min
Response: 2589914
Conc: 17.41 ug/ml

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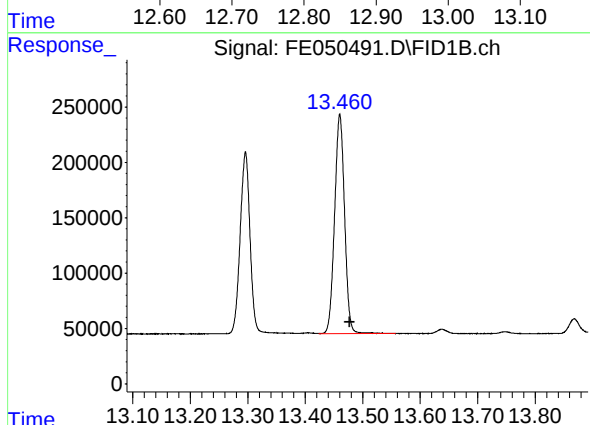
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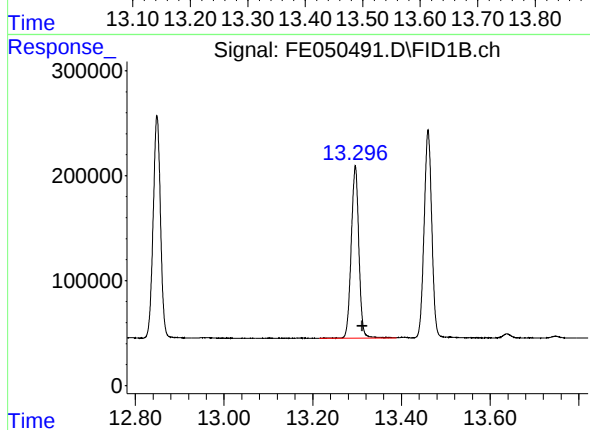
#10 n-Eicosane (C20)

R.T.: 12.849 min
Delta R.T.: -0.017 min
Response: 2415492
Conc: 18.01 ug/ml



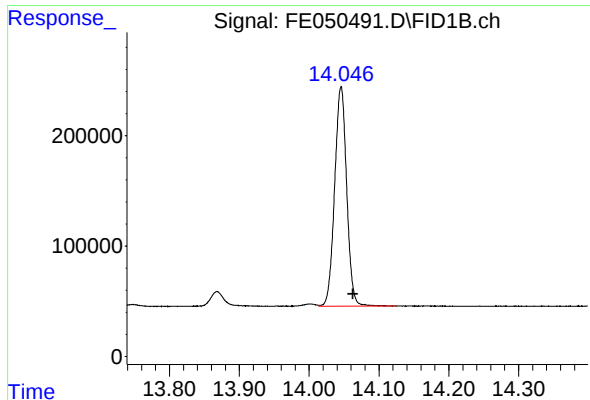
#11 n-Heneicosane (C21)

R.T.: 13.460 min
Delta R.T.: -0.017 min
Response: 2382860
Conc: 18.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.296 min
Delta R.T.: -0.016 min
Response: 1969099
Conc: 17.53 ug/ml



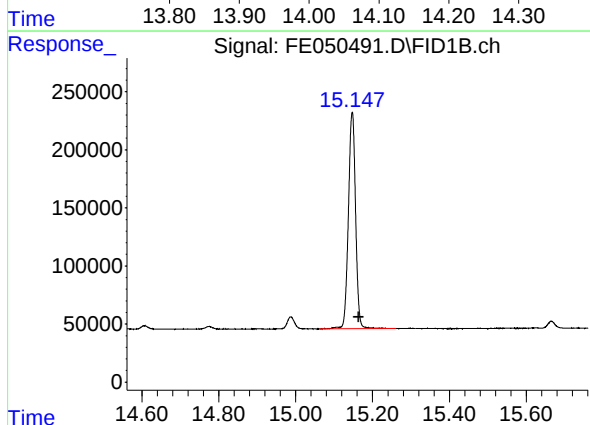
#13 n-Docosane (C22)

R.T.: 14.046 min
Delta R.T.: -0.017 min
Response: 2377821
Conc: 18.26 ug/ml

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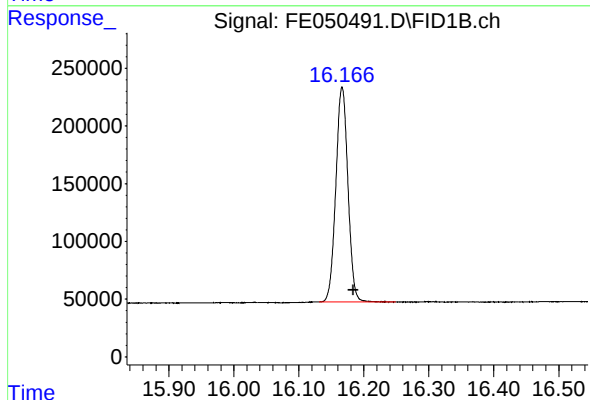
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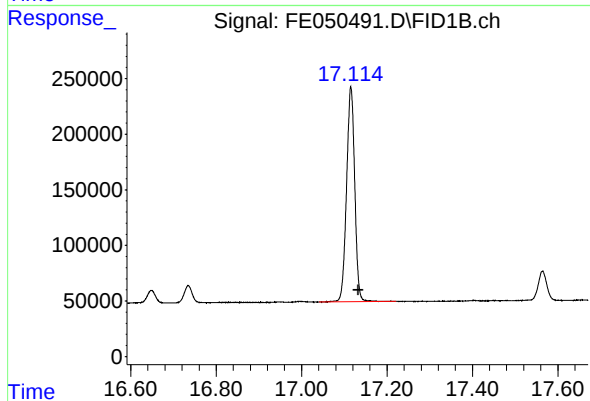
#14 n-Tetracosane (C24)

R.T.: 15.147 min
Delta R.T.: -0.017 min
Response: 2433765
Conc: 18.64 ug/ml



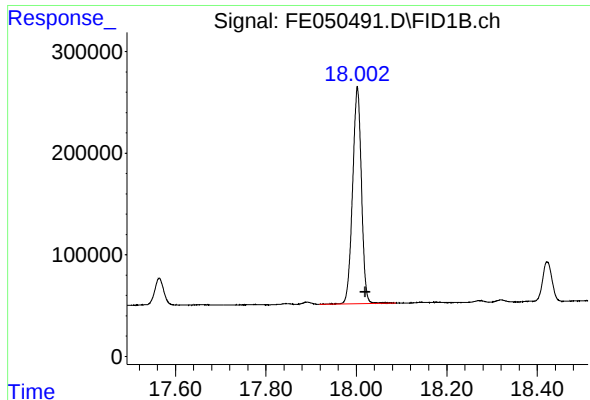
#15 n-Hexacosane (C26)

R.T.: 16.167 min
Delta R.T.: -0.017 min
Response: 2407705
Conc: 18.82 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.116 min
Delta R.T.: -0.018 min
Response: 2572968
Conc: 19.98 ug/ml



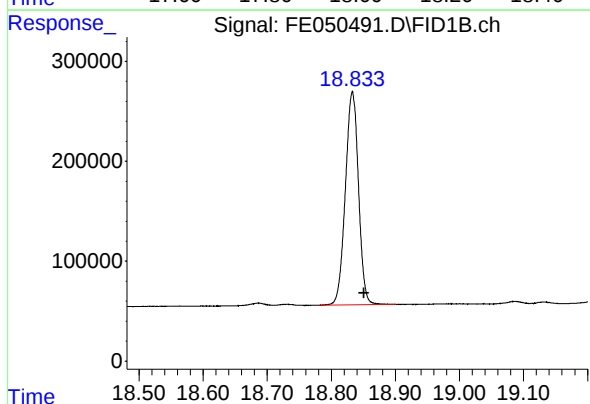
#17 n-Tricontane (C30)

R.T.: 18.002 min
Delta R.T.: -0.018 min
Response: 2887091
Conc: 21.59 ug/ml

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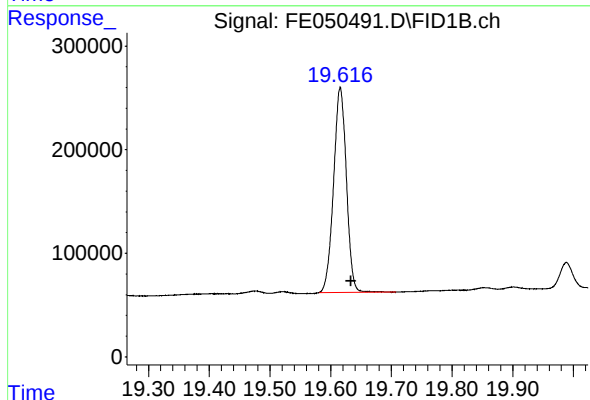
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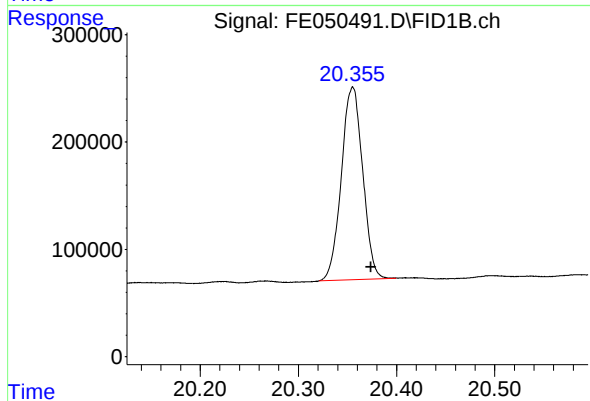
#18 n-Dotriacontane (C32)

R.T.: 18.833 min
Delta R.T.: -0.018 min
Response: 3026817
Conc: 22.71 ug/ml



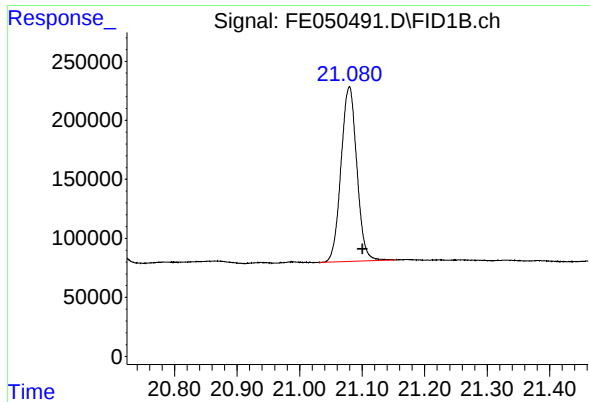
#19 n-Tetratriacontane (C34)

R.T.: 19.616 min
Delta R.T.: -0.018 min
Response: 2906289
Conc: 23.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.355 min
Delta R.T.: -0.019 min
Response: 2715842
Conc: 24.48 ug/ml



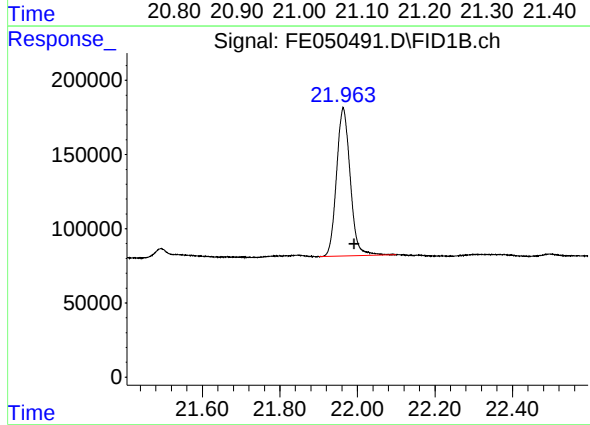
#21 n-Octatriacontane (C38)

R.T.: 21.079 min
Delta R.T.: -0.021 min
Response: 2596430
Conc: 23.54 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.963 min
Delta R.T.: -0.029 min
Response: 2449713
Conc: 22.51 ug/ml