

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082324AL\
 Data File : FE049748.D
 Signal(s) : FID1B.ch
 Acq On : 24 Aug 2024 01:41
 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 08/26/2024
 Supervised By :Ankita Jodhani 08/26/2024

Integration File: autoint1.e
 Quant Time: Aug 24 02:17:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 14 11:05:17 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)	11.883	3140452	19.420 ug/ml
Spiked Amount 50.000		Recovery =	38.84%
12) S 1-chlorooctadecane (S...	13.318	2399541	19.667 ug/ml
Spiked Amount 50.000		Recovery =	39.33%
Target Compounds			
1) T n-Nonane (C9)	3.272	2711962	17.524 ug/ml
2) T n-Decane (C10)	4.523	2916621	18.472 ug/mlm
3) T A~Naphthalene (C11.7)	6.230	3014440	18.787 ug/ml
4) T n-Dodecane (C12)	6.690	2962581	18.845 ug/ml
5) T A~2-methylnaphthalene...	7.326	2873532	19.188 ug/ml
6) T n-Tetradecane (C14)	8.517	2933845	19.004 ug/ml
7) T n-Hexadecane (C16)	10.123	3023265	19.357 ug/ml
8) T n-Octadecane (C18)	11.564	3044476	19.385 ug/ml
10) T n-Eicosane (C20)	12.873	2916000	19.530 ug/ml
11) T n-Heneicosane (C21)	13.484	2856134	19.470 ug/ml
13) T n-Docosane (C22)	14.069	2832410	19.433 ug/ml
14) T n-Tetracosane (C24)	15.171	2844570	19.555 ug/ml
15) T n-Hexacosane (C26)	16.189	2813254	19.492 ug/ml
16) T n-Octacosane (C28)	17.138	2911406	20.213 ug/ml
17) T n-Tricontane (C30)	18.025	3263212	21.798 ug/ml
18) T n-Dotriacontane (C32)	18.856	3368738	22.268 ug/ml
19) T n-Tetratriacontane (C34)	19.639	3338410	21.837 ug/ml
20) T n-Hexatriacontane (C36)	20.378	3259117	21.462 ug/ml
21) T n-Octatriacontane (C38)	21.105	3113663	19.838 ug/ml
22) T n-Tetracontane (C40)	21.998	2804390	18.368 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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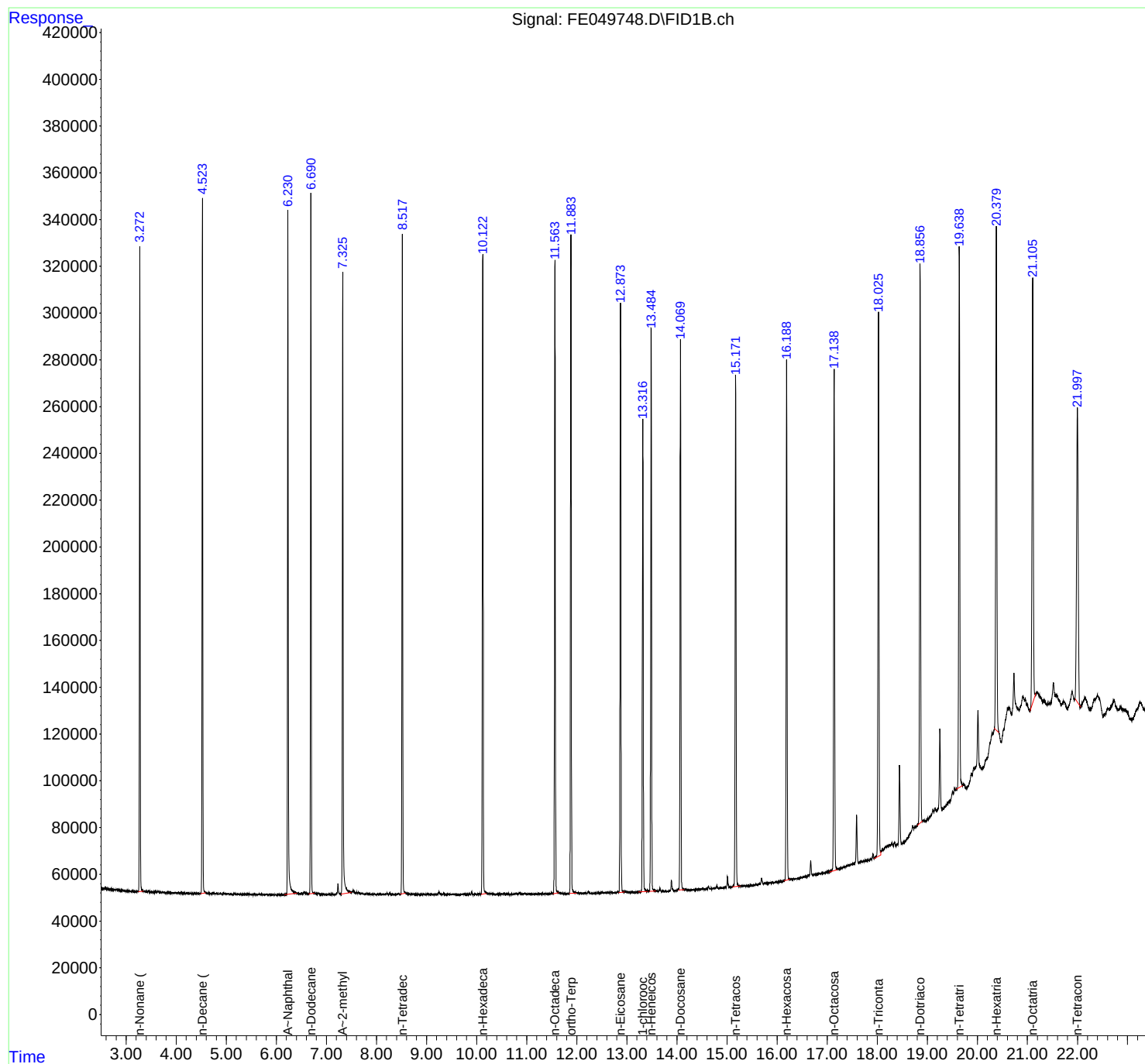
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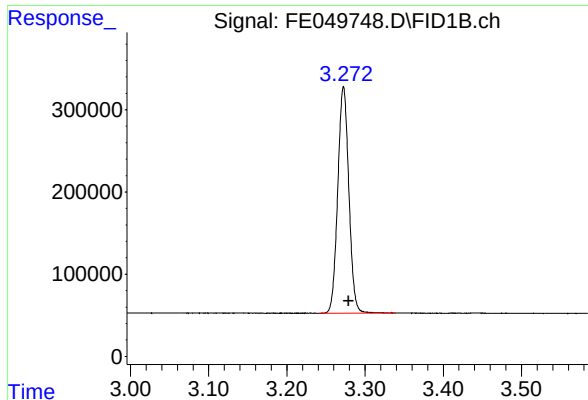
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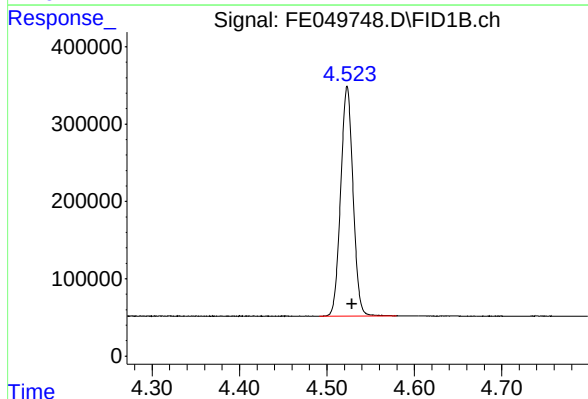
#1 n-Nonane (C9)

R.T.: 3.272 min
Delta R.T.: -0.007 min
Response: 2711962
Conc: 17.52 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

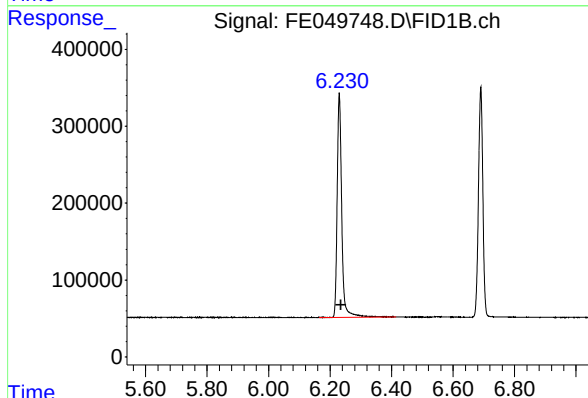
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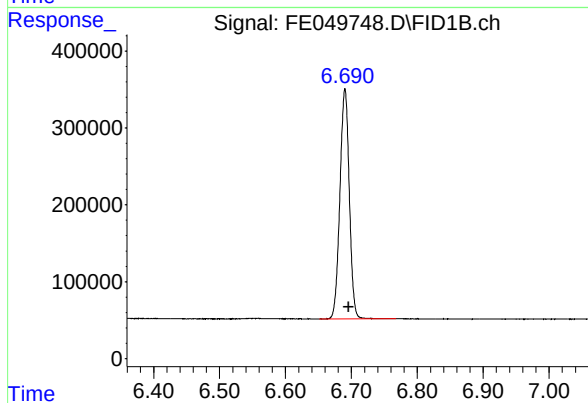
#2 n-Decane (C10)

R.T.: 4.523 min
Delta R.T.: -0.006 min
Response: 2916621
Conc: 18.47 ug/ml



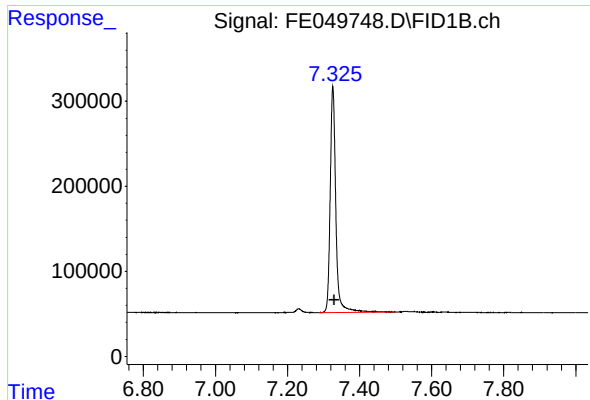
#3 A~Naphthalene (C11.7)

R.T.: 6.230 min
Delta R.T.: -0.005 min
Response: 3014440
Conc: 18.79 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.690 min
Delta R.T.: -0.005 min
Response: 2962581
Conc: 18.84 ug/ml



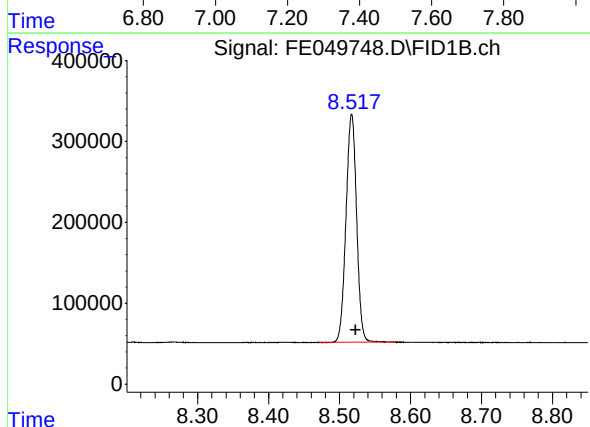
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.326 min
Delta R.T.: -0.005 min
Response: 2873532
Conc: 19.19 ug/ml

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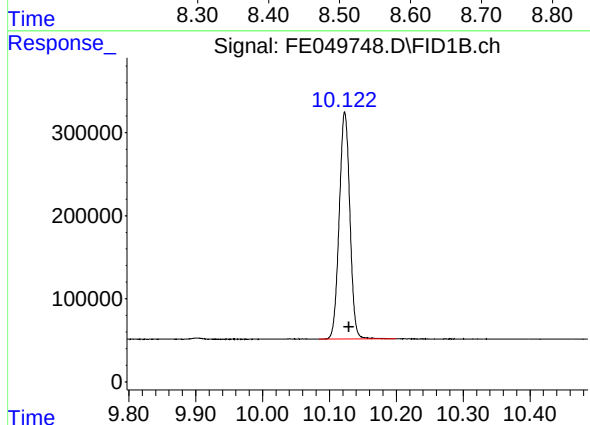
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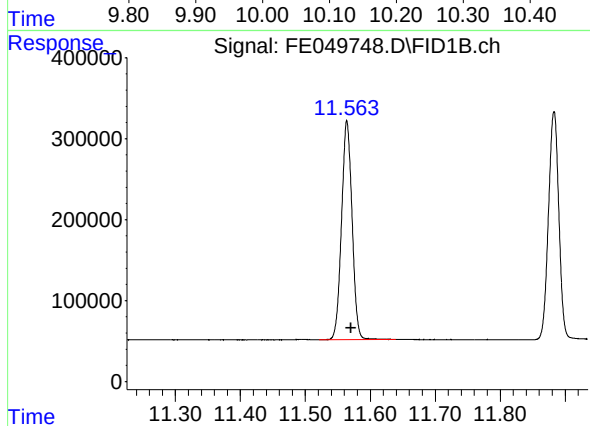
#6 n-Tetradecane (C14)

R.T.: 8.517 min
Delta R.T.: -0.005 min
Response: 2933845
Conc: 19.00 ug/ml



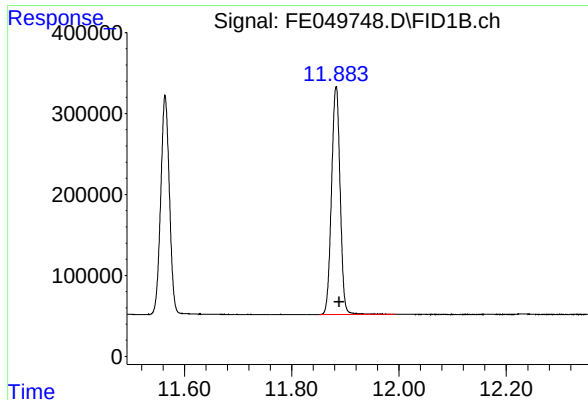
#7 n-Hexadecane (C16)

R.T.: 10.123 min
Delta R.T.: -0.006 min
Response: 3023265
Conc: 19.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.564 min
Delta R.T.: -0.006 min
Response: 3044476
Conc: 19.39 ug/ml



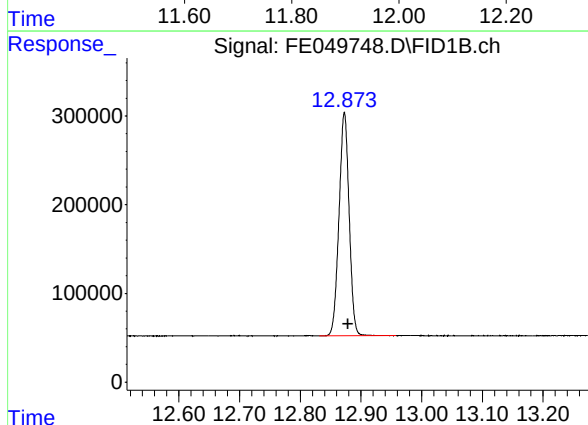
#9 ortho-Terphenyl (SURR)

R.T.: 11.883 min
Delta R.T.: -0.006 min
Response: 3140452
Conc: 19.42 ug/ml

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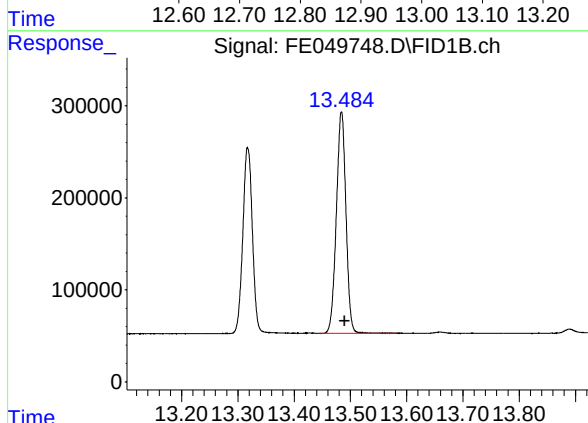
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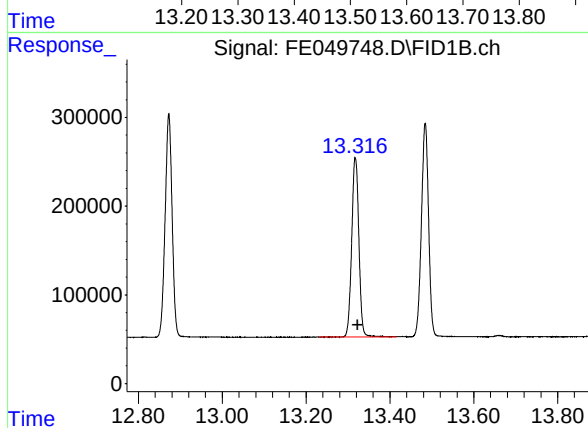
#10 n-Eicosane (C20)

R.T.: 12.873 min
Delta R.T.: -0.006 min
Response: 2916000
Conc: 19.53 ug/ml



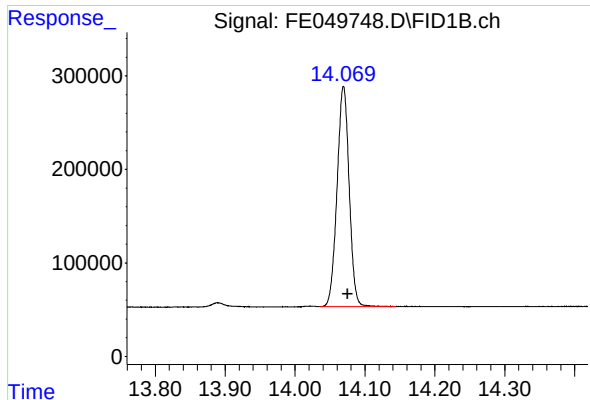
#11 n-Heneicosane (C21)

R.T.: 13.484 min
Delta R.T.: -0.006 min
Response: 2856134
Conc: 19.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.318 min
Delta R.T.: -0.006 min
Response: 2399541
Conc: 19.67 ug/ml



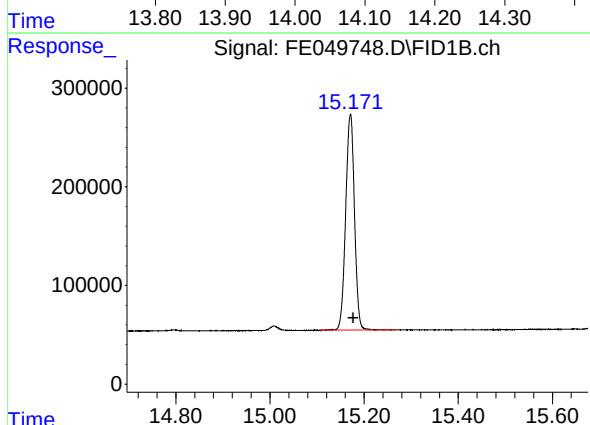
#13 n-Docosane (C22)

R.T.: 14.069 min
Delta R.T.: -0.006 min
Response: 2832410
Conc: 19.43 ug/ml

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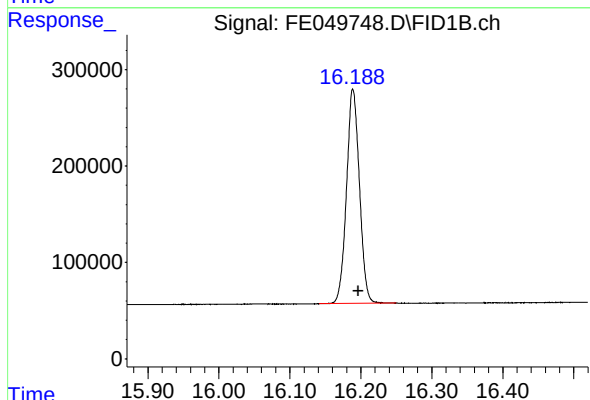
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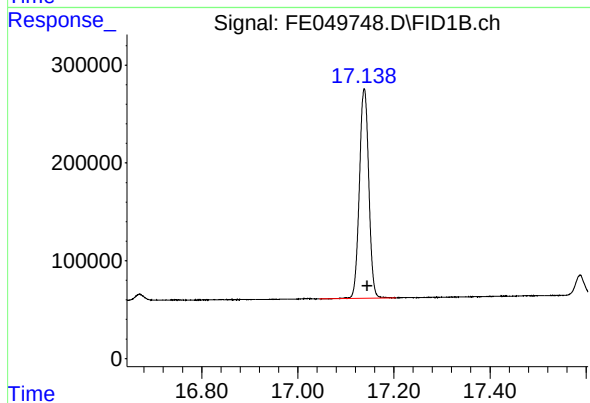
#14 n-Tetracosane (C24)

R.T.: 15.171 min
Delta R.T.: -0.006 min
Response: 2844570
Conc: 19.55 ug/ml



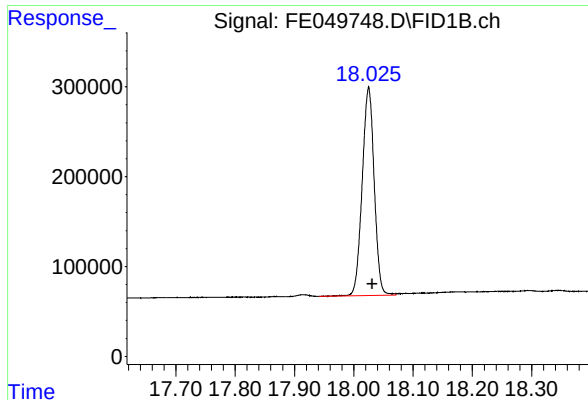
#15 n-Hexacosane (C26)

R.T.: 16.189 min
Delta R.T.: -0.007 min
Response: 2813254
Conc: 19.49 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.138 min
Delta R.T.: -0.007 min
Response: 2911406
Conc: 20.21 ug/ml



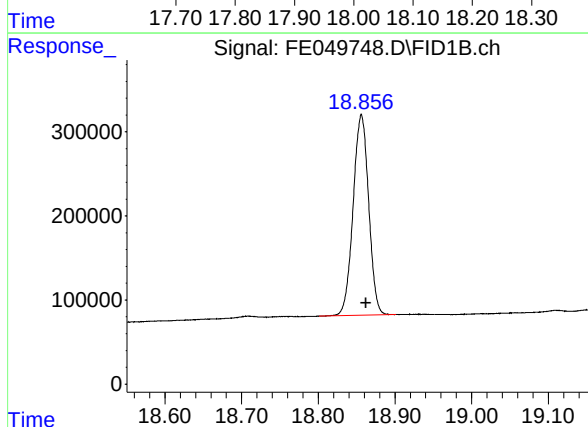
#17 n-Tricontane (C30)

R.T.: 18.025 min
Delta R.T.: -0.006 min
Response: 3263212
Conc: 21.80 ug/ml

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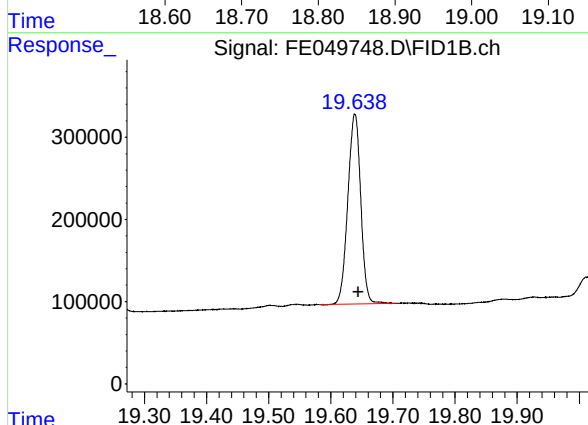
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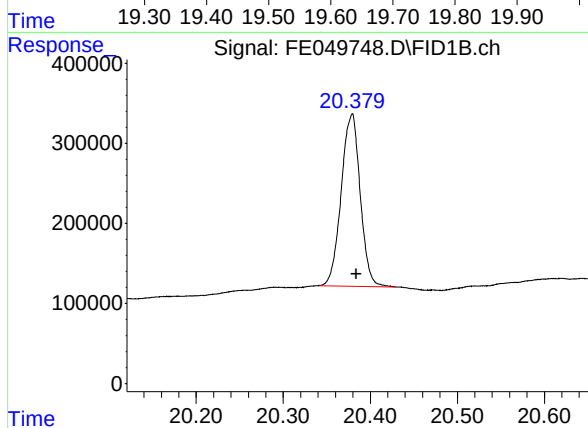
#18 n-Dotriacontane (C32)

R.T.: 18.856 min
Delta R.T.: -0.006 min
Response: 3368738
Conc: 22.27 ug/ml



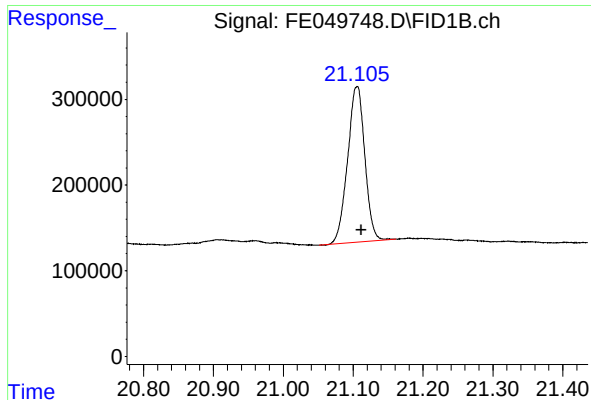
#19 n-Tetratriacontane (C34)

R.T.: 19.639 min
Delta R.T.: -0.006 min
Response: 3338410
Conc: 21.84 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.378 min
Delta R.T.: -0.006 min
Response: 3259117
Conc: 21.46 ug/ml



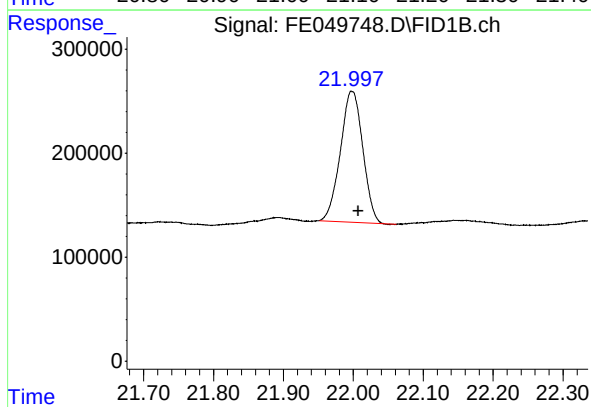
#21 n-Octatriacontane (C38)

R.T.: 21.105 min
Delta R.T.: -0.006 min
Response: 3113663
Conc: 19.84 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.998 min
Delta R.T.: -0.009 min
Response: 2804390
Conc: 18.37 ug/ml