

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090524AL\
 Data File : FE049931.D
 Signal(s) : FID1B.ch
 Acq On : 05 Sep 2024 11:31
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/06/2024
 Supervised By :Ankita Jodhani 09/06/2024

Integration File: autoint1.e
 Quant Time: Sep 06 01:30:42 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)	11.876	3379271	20.897 ug/mlm
Spiked Amount 50.000		Recovery =	41.79%
12) S 1-chlorooctadecane (S...	13.311	2569275	21.059 ug/ml
Spiked Amount 50.000		Recovery =	42.12%
Target Compounds			
1) T n-Nonane (C9)	3.267	3174979	20.516 ug/ml
2) T n-Decane (C10)	4.518	3247414	20.567 ug/ml
3) T A~Naphthalene (C11.7)	6.225	3328844	20.746 ug/ml
4) T n-Dodecane (C12)	6.684	3257421	20.720 ug/ml
5) T A~2-methylnaphthalene...	7.321	3130375	20.903 ug/ml
6) T n-Tetradecane (C14)	8.512	3193039	20.683 ug/ml
7) T n-Hexadecane (C16)	10.117	3271444	20.946 ug/ml
8) T n-Octadecane (C18)	11.558	3288504	20.939 ug/ml
10) T n-Eicosane (C20)	12.866	3128702	20.955 ug/ml
11) T n-Heneicosane (C21)	13.476	3064672	20.891 ug/ml
13) T n-Docosane (C22)	14.063	3031201	20.797 ug/ml
14) T n-Tetracosane (C24)	15.163	3069400	21.101 ug/ml
15) T n-Hexacosane (C26)	16.183	3033527	21.019 ug/ml
16) T n-Octacosane (C28)	17.132	3069435	21.310 ug/ml
17) T n-Tricontane (C30)	18.018	3182418	21.258 ug/ml
18) T n-Dotriacontane (C32)	18.849	3206501	21.195 ug/ml
19) T n-Tetratriacontane (C34)	19.631	3230302	21.130 ug/ml
20) T n-Hexatriacontane (C36)	20.371	3221546	21.215 ug/mlm
21) T n-Octatriacontane (C38)	21.096	3249582	20.704 ug/ml
22) T n-Tetracontane (C40)	21.987	3222552	21.107 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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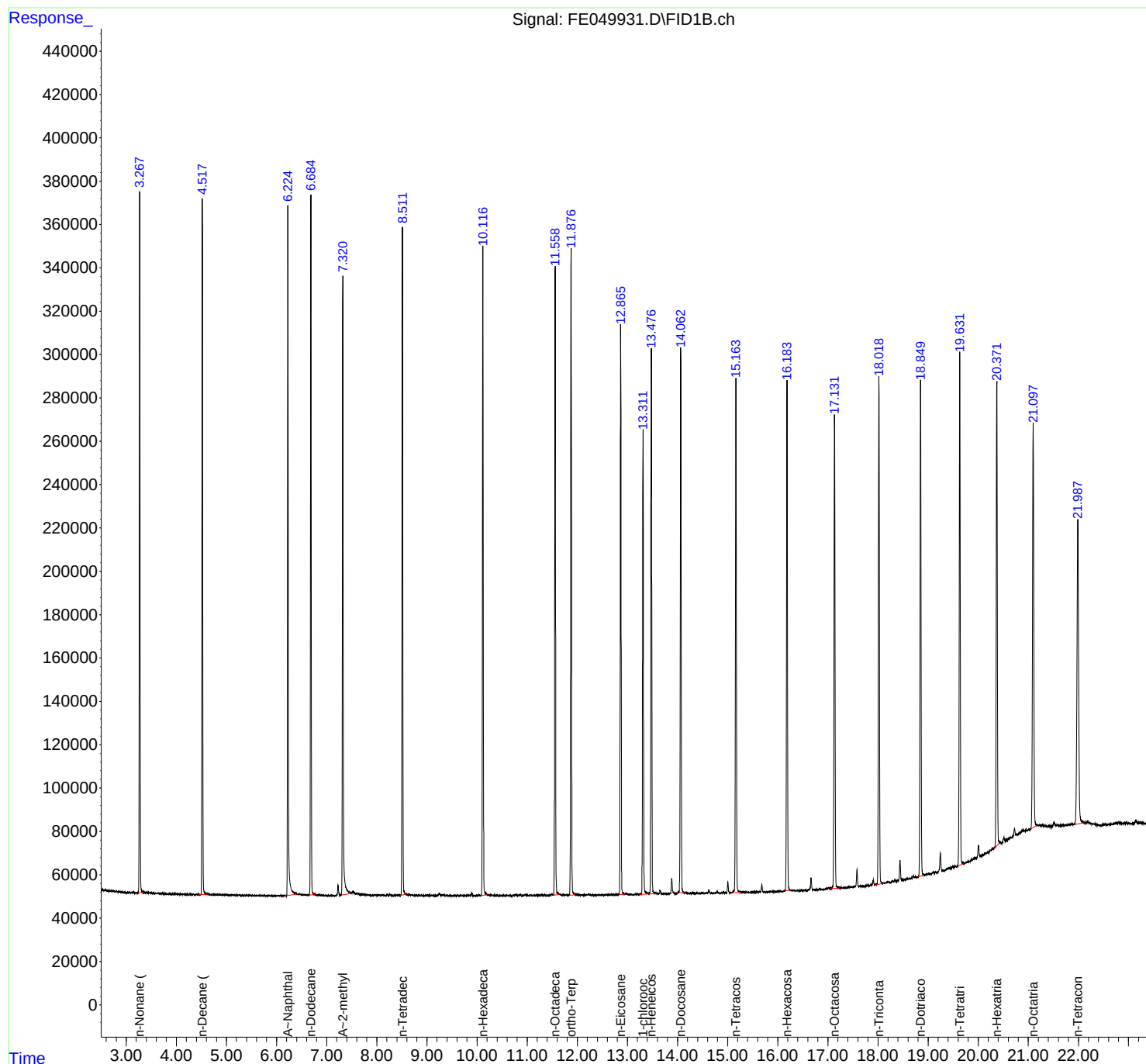
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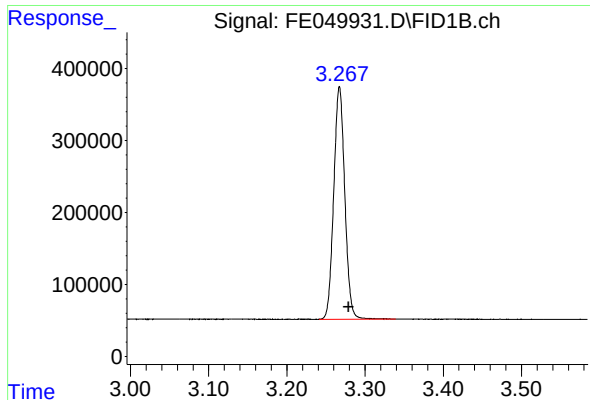
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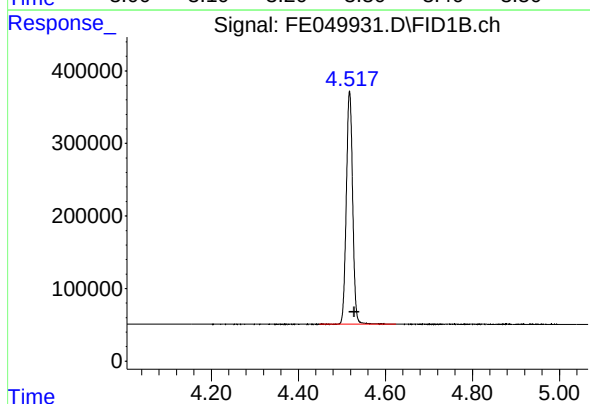
#1 n-Nonane (C9)

R.T.: 3.267 min
Delta R.T.: -0.012 min
Response: 3174979
Conc: 20.52 ug/ml

Instrument : FID_E
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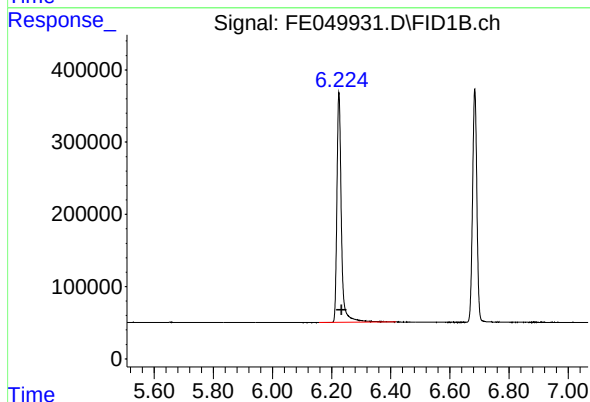
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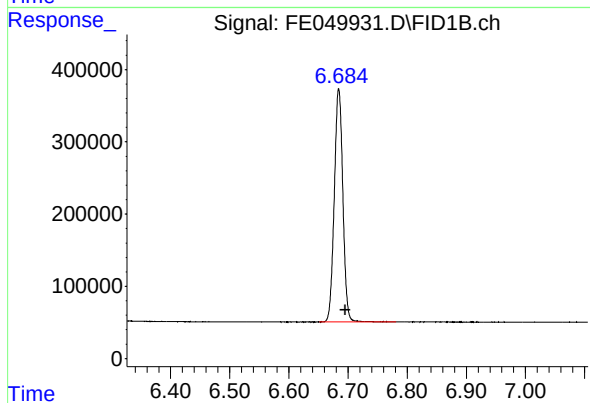
#2 n-Decane (C10)

R.T.: 4.518 min
Delta R.T.: -0.011 min
Response: 3247414
Conc: 20.57 ug/ml



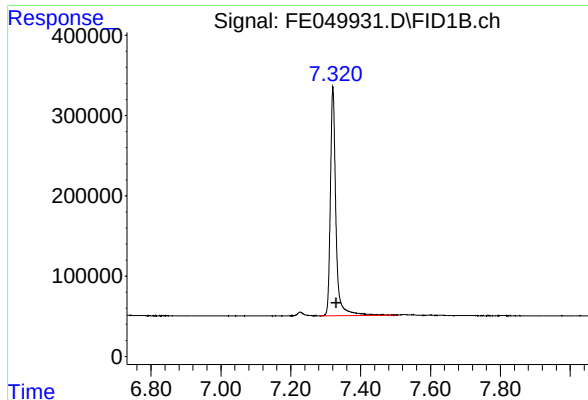
#3 A~Naphthalene (C11.7)

R.T.: 6.225 min
Delta R.T.: -0.010 min
Response: 3328844
Conc: 20.75 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.684 min
Delta R.T.: -0.011 min
Response: 3257421
Conc: 20.72 ug/ml



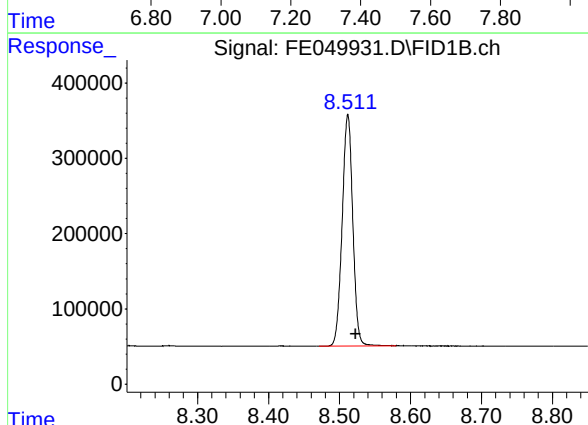
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.321 min
Delta R.T.: -0.010 min
Response: 3130375
Conc: 20.90 ug/ml

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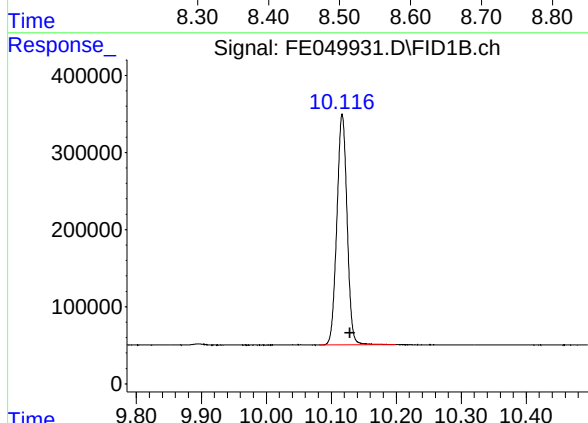
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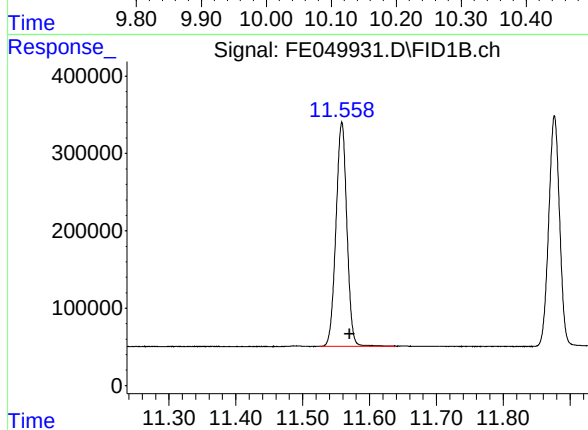
#6 n-Tetradecane (C14)

R.T.: 8.512 min
Delta R.T.: -0.011 min
Response: 3193039
Conc: 20.68 ug/ml



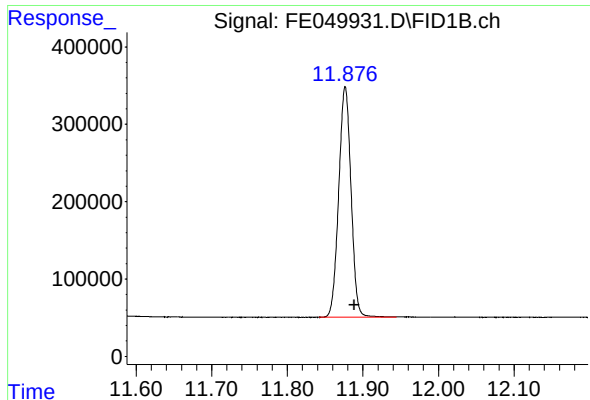
#7 n-Hexadecane (C16)

R.T.: 10.117 min
Delta R.T.: -0.012 min
Response: 3271444
Conc: 20.95 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.558 min
Delta R.T.: -0.012 min
Response: 3288504
Conc: 20.94 ug/ml



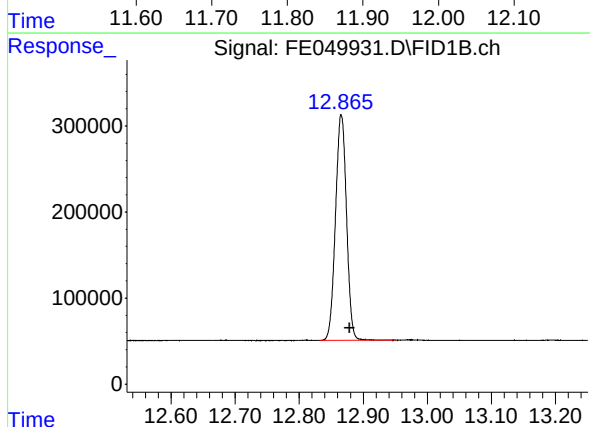
#9 ortho-Terphenyl (SURR)

R.T.: 11.876 min
Delta R.T.: -0.012 min
Response: 3379271
Conc: 20.90 ug/ml

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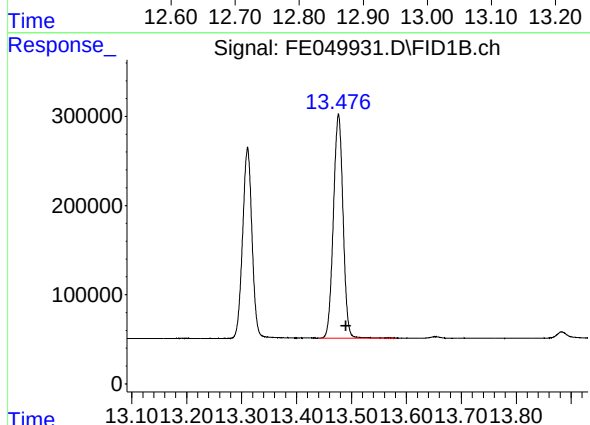
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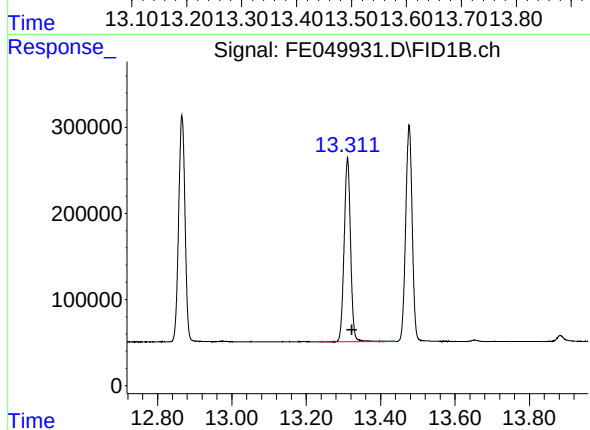
#10 n-Eicosane (C20)

R.T.: 12.866 min
Delta R.T.: -0.013 min
Response: 3128702
Conc: 20.95 ug/ml



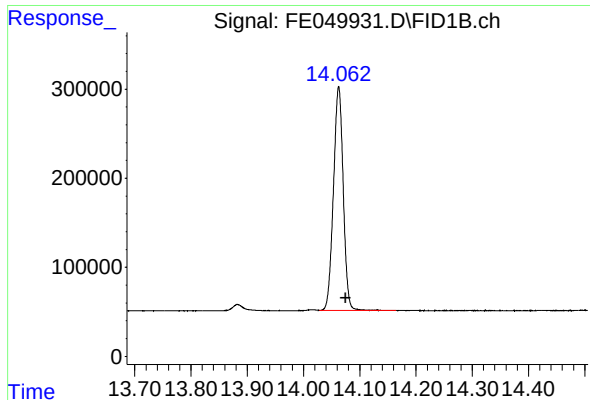
#11 n-Heneicosane (C21)

R.T.: 13.476 min
Delta R.T.: -0.014 min
Response: 3064672
Conc: 20.89 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.311 min
Delta R.T.: -0.013 min
Response: 2569275
Conc: 21.06 ug/ml



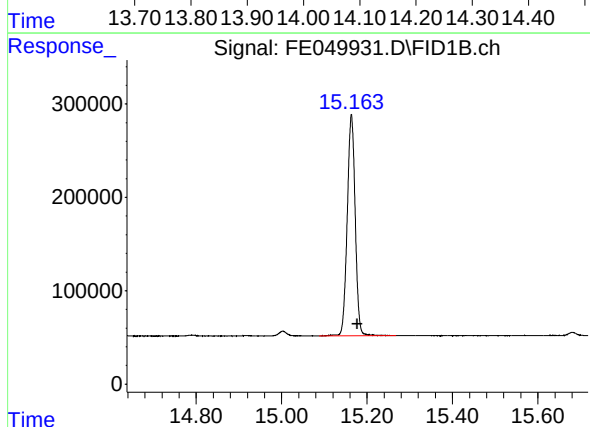
#13 n-Docosane (C22)

R.T.: 14.063 min
Delta R.T.: -0.013 min
Response: 3031201
Conc: 20.80 ug/ml

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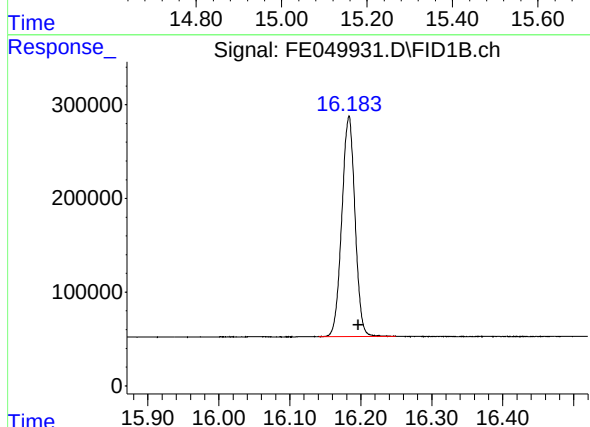
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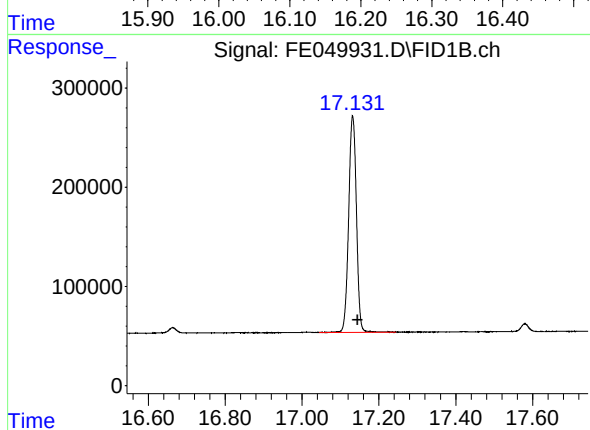
#14 n-Tetracosane (C24)

R.T.: 15.163 min
Delta R.T.: -0.013 min
Response: 3069400
Conc: 21.10 ug/ml



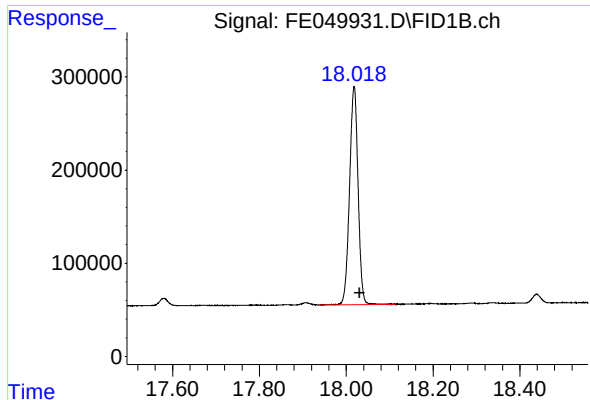
#15 n-Hexacosane (C26)

R.T.: 16.183 min
Delta R.T.: -0.013 min
Response: 3033527
Conc: 21.02 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.132 min
Delta R.T.: -0.013 min
Response: 3069435
Conc: 21.31 ug/ml



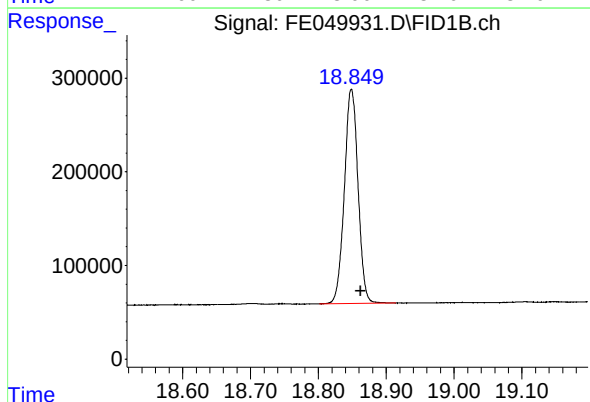
#17 n-Tricontane (C30)

R.T.: 18.018 min
Delta R.T.: -0.013 min
Response: 3182418
Conc: 21.26 ug/ml

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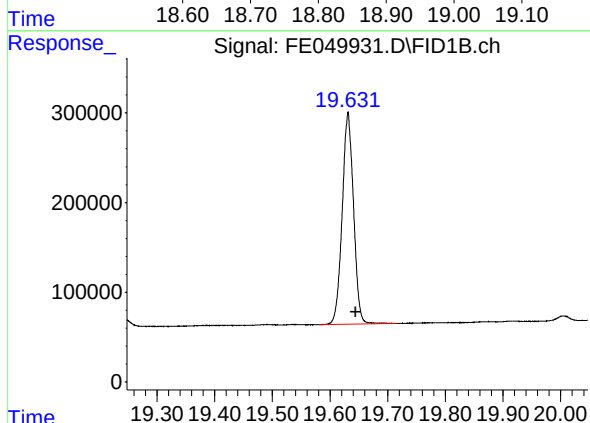
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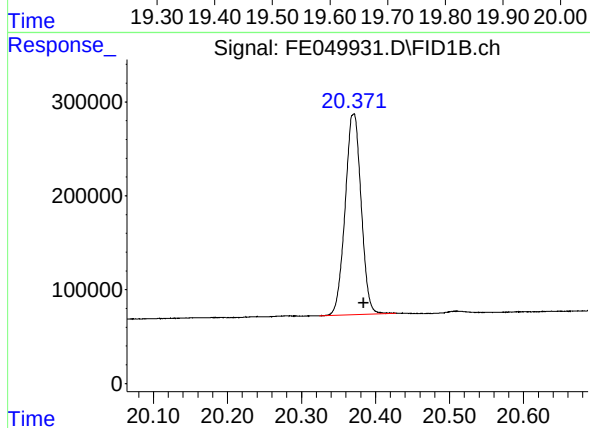
#18 n-Dotriacontane (C32)

R.T.: 18.849 min
Delta R.T.: -0.014 min
Response: 3206501
Conc: 21.20 ug/ml



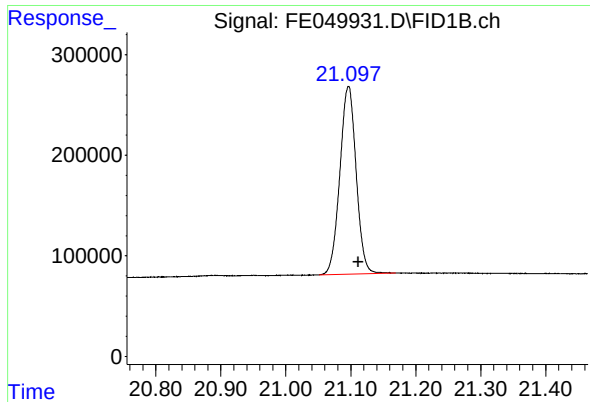
#19 n-Tetatriacontane (C34)

R.T.: 19.631 min
Delta R.T.: -0.013 min
Response: 3230302
Conc: 21.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.371 min
Delta R.T.: -0.013 min
Response: 3221546
Conc: 21.21 ug/ml m



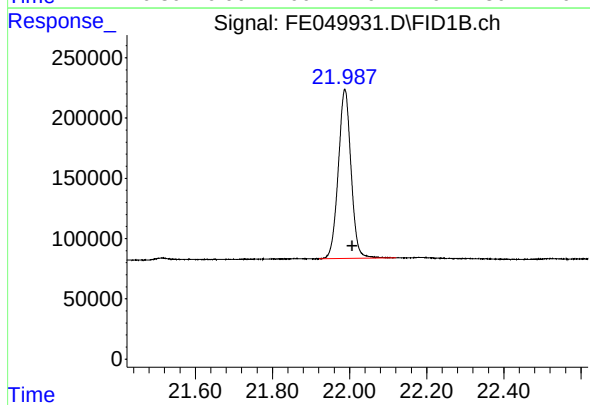
#21 n-Octatriacontane (C38)

R.T.: 21.096 min
Delta R.T.: -0.015 min
Response: 3249582
Conc: 20.70 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.987 min
Delta R.T.: -0.020 min
Response: 3222552
Conc: 21.11 ug/ml m