

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080224AL\
 Data File : FE049405.D
 Signal(s) : FID1B.ch
 Acq On : 02 Aug 2024 19:48
 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 08/05/2024
 Supervised By :Ankita Jodhani 08/05/2024

Integration File: autoint1.e
 Quant Time: Aug 02 23:14:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071724.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 17 14:26:40 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)	11.901	2992910	19.296 ug/ml
Spiked Amount 50.000		Recovery =	38.59%
12) S 1-chlorooctadecane (S...	13.337	2289917	19.599 ug/ml
Spiked Amount 50.000		Recovery =	39.20%
Target Compounds			
1) T n-Nonane (C9)	3.286	2875814	19.123 ug/ml
2) T n-Decane (C10)	4.538	2921098	18.913 ug/ml
3) T A~Naphthalene (C11.7)	6.245	3002884	19.274 ug/ml
4) T n-Dodecane (C12)	6.705	2914413	18.927 ug/ml
5) T A~2-methylnaphthalene...	7.341	2824783	19.410 ug/ml
6) T n-Tetradecane (C14)	8.533	2890047	19.042 ug/ml
7) T n-Hexadecane (C16)	10.140	2900680	19.127 ug/ml
8) T n-Octadecane (C18)	11.583	2910553	19.170 ug/ml
10) T n-Eicosane (C20)	12.891	2782021	19.238 ug/ml
11) T n-Heneicosane (C21)	13.503	2738773	19.313 ug/ml
13) T n-Docosane (C22)	14.089	2720957	19.367 ug/ml
14) T n-Tetracosane (C24)	15.191	2704629	19.298 ug/ml
15) T n-Hexacosane (C26)	16.212	2669846	19.040 ug/ml
16) T n-Octacosane (C28)	17.160	2583775	18.460 ug/ml
17) T n-Tricontane (C30)	18.047	2827061	19.380 ug/ml
18) T n-Dotriacontane (C32)	18.878	2778324	18.895 ug/ml
19) T n-Tetratriacontane (C34)	19.662	3012032	20.621 ug/ml
20) T n-Hexatriacontane (C36)	20.401	2883223	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.134	3208220	21.432 ug/ml
22) T n-Tetracontane (C40)	22.033	3098139	20.530 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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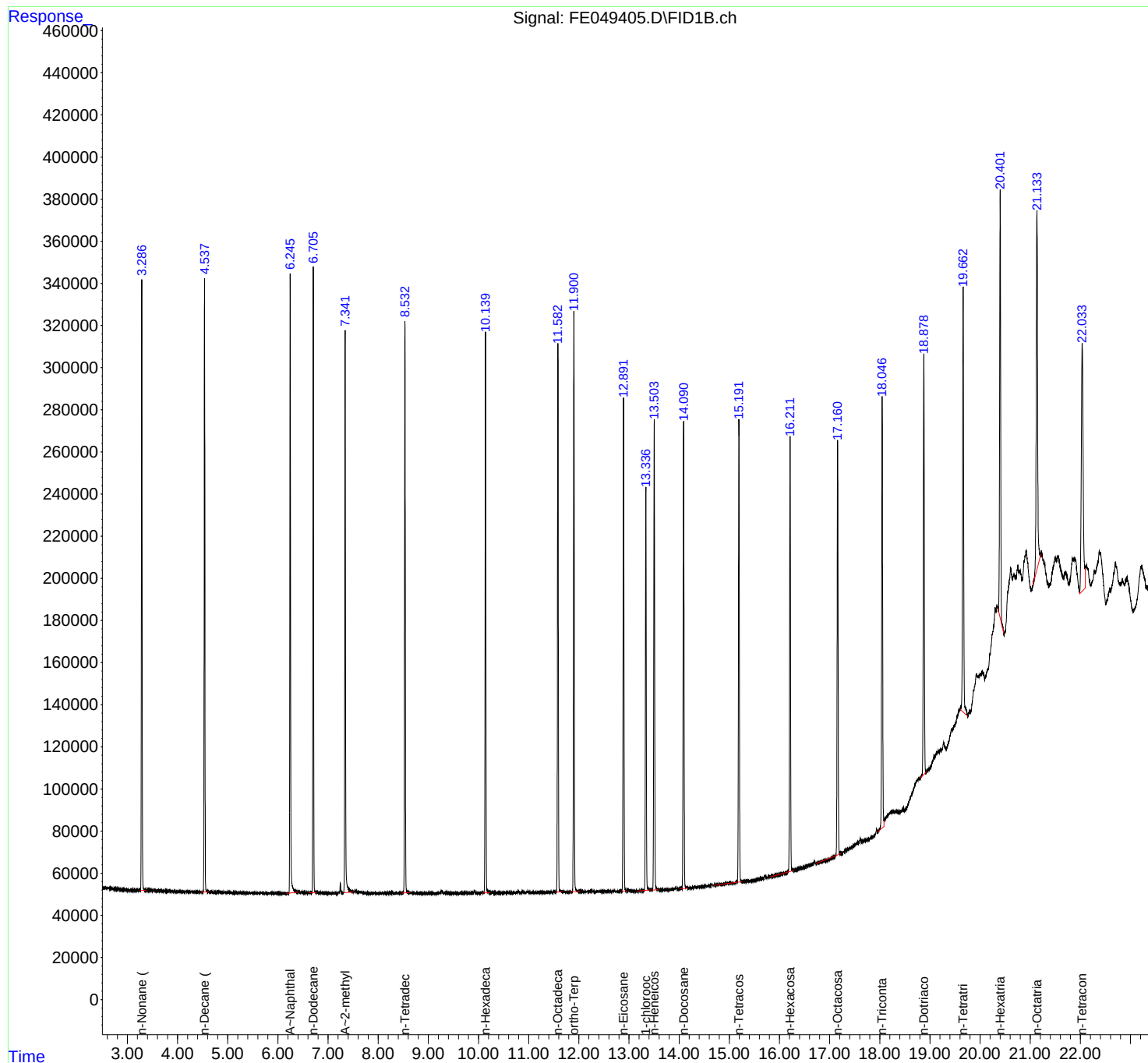
Instrument :
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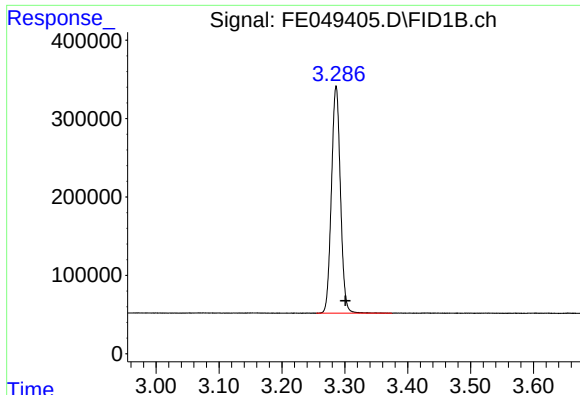
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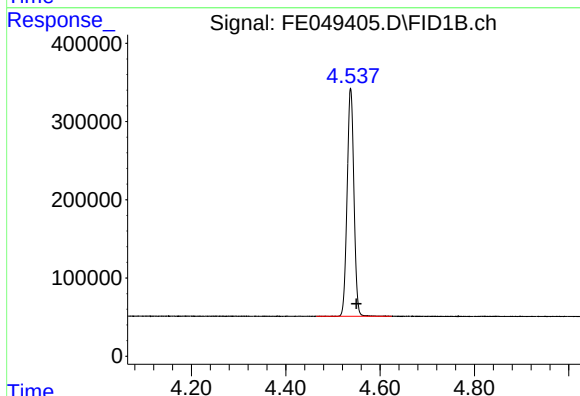
#1 n-Nonane (C9)

R.T.: 3.286 min
Delta R.T.: -0.015 min
Response: 2875814
Conc: 19.12 ug/ml

Instrument :
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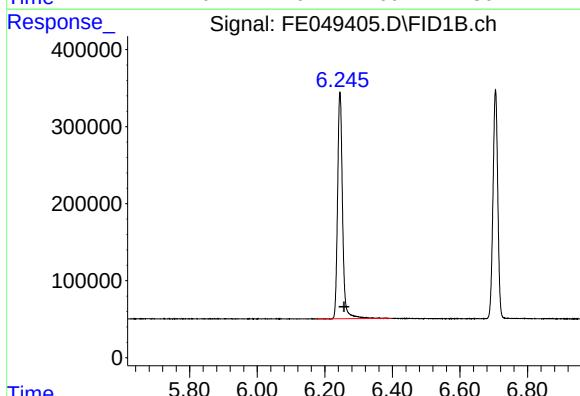
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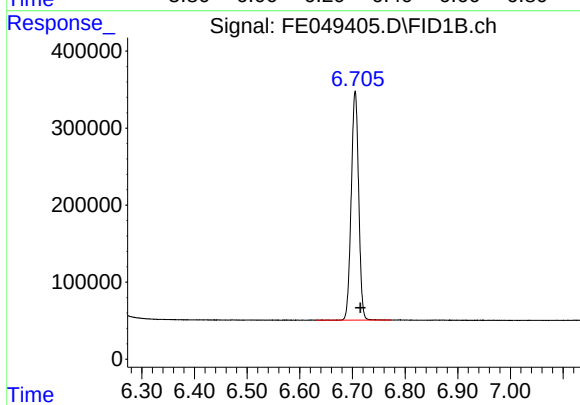
#2 n-Decane (C10)

R.T.: 4.538 min
Delta R.T.: -0.012 min
Response: 2921098
Conc: 18.91 ug/ml



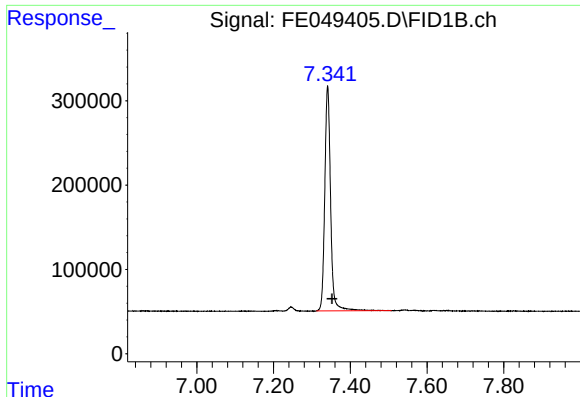
#3 A~Naphthalene (C11.7)

R.T.: 6.245 min
Delta R.T.: -0.012 min
Response: 3002884
Conc: 19.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.705 min
Delta R.T.: -0.010 min
Response: 2914413
Conc: 18.93 ug/ml



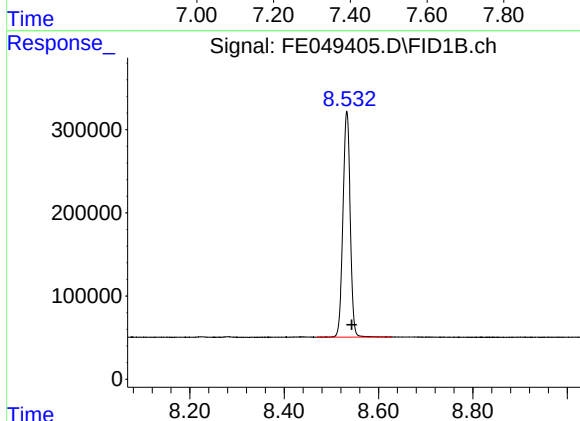
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.341 min
Delta R.T.: -0.011 min
Response: 2824783
Conc: 19.41 ug/ml

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20 PPM ALIPHATIC HC STD

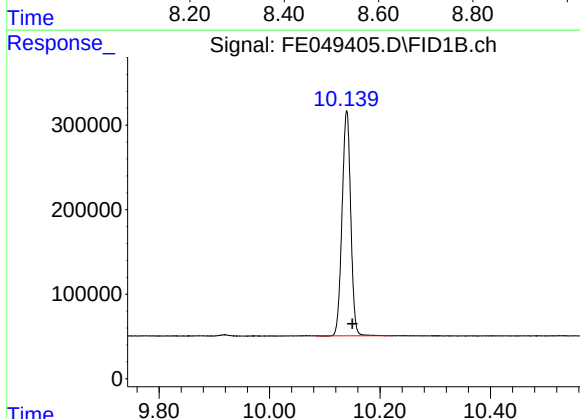
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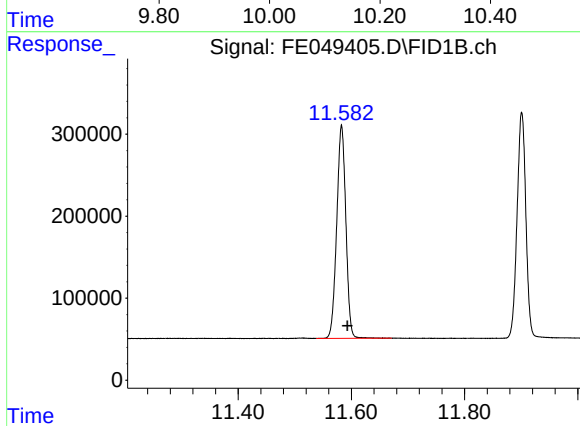
#6 n-Tetradecane (C14)

R.T.: 8.533 min
Delta R.T.: -0.010 min
Response: 2890047
Conc: 19.04 ug/ml



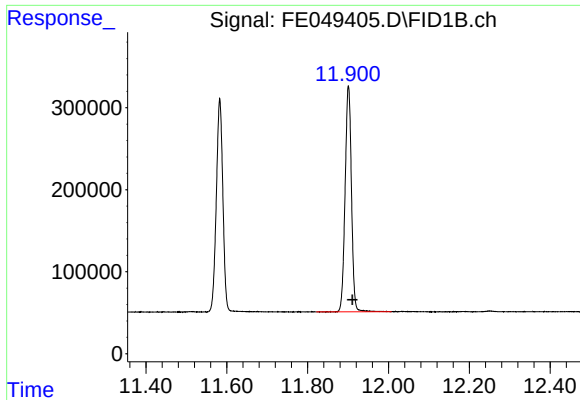
#7 n-Hexadecane (C16)

R.T.: 10.140 min
Delta R.T.: -0.010 min
Response: 2900680
Conc: 19.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.583 min
Delta R.T.: -0.010 min
Response: 2910553
Conc: 19.17 ug/ml



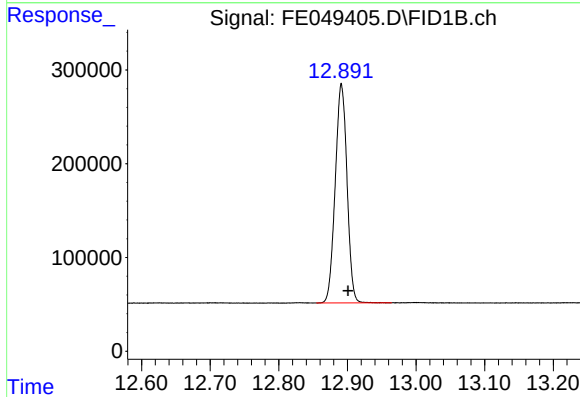
#9 ortho-Terphenyl (SURR)

R.T.: 11.901 min
Delta R.T.: -0.010 min
Response: 2992910
Conc: 19.30 ug/ml

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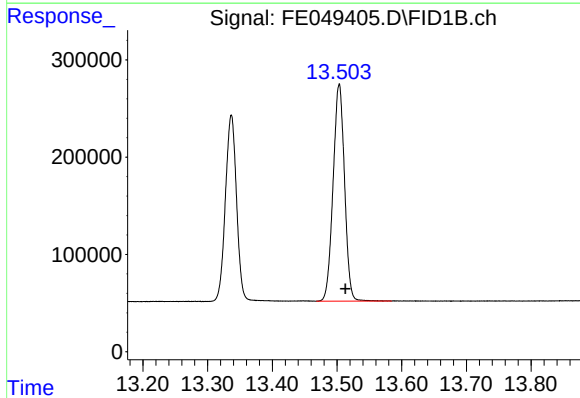
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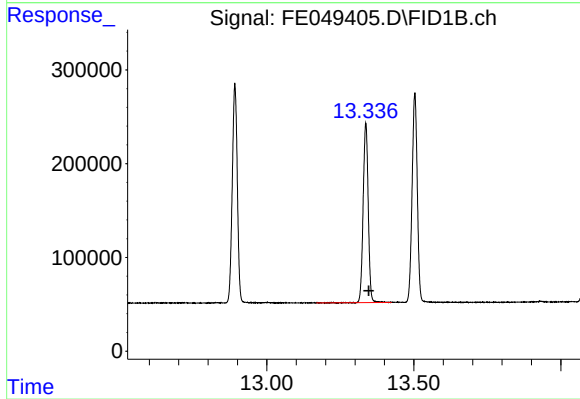
#10 n-Eicosane (C20)

R.T.: 12.891 min
Delta R.T.: -0.010 min
Response: 2782021
Conc: 19.24 ug/ml



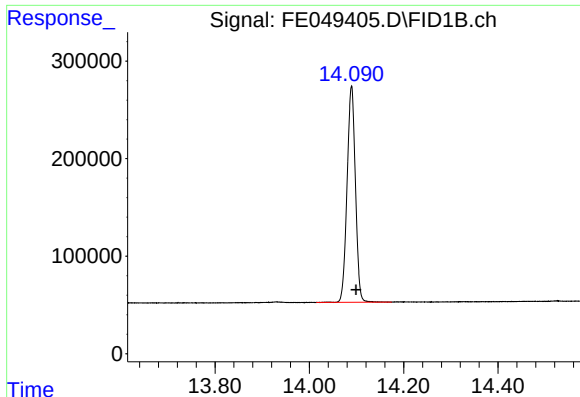
#11 n-Heneicosane (C21)

R.T.: 13.503 min
Delta R.T.: -0.010 min
Response: 2738773
Conc: 19.31 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.337 min
Delta R.T.: -0.010 min
Response: 2289917
Conc: 19.60 ug/ml



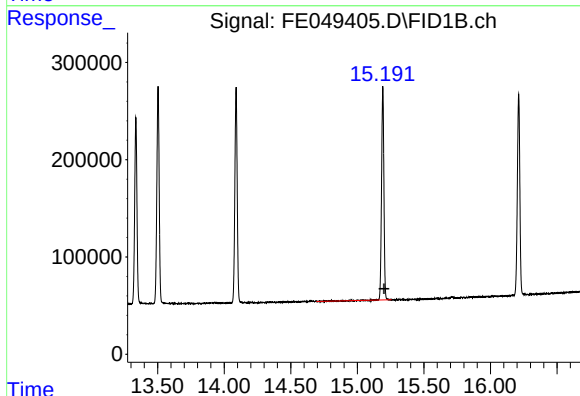
#13 n-Docosane (C22)

R.T.: 14.089 min
Delta R.T.: -0.010 min
Response: 2720957
Conc: 19.37 ug/ml

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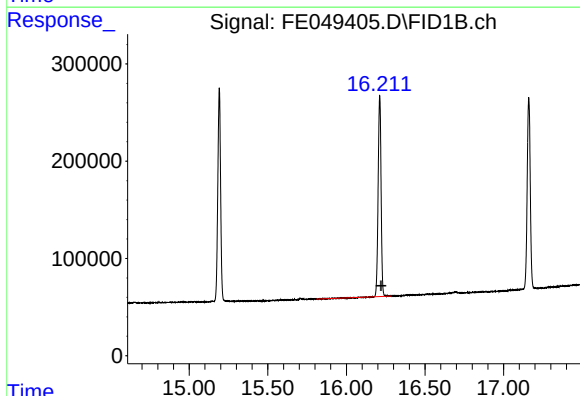
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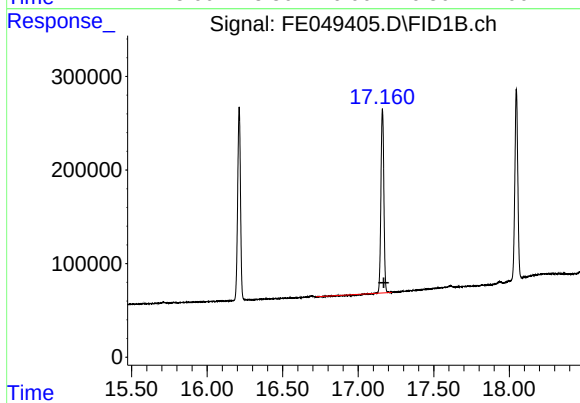
#14 n-Tetracosane (C24)

R.T.: 15.191 min
Delta R.T.: -0.009 min
Response: 2704629
Conc: 19.30 ug/ml



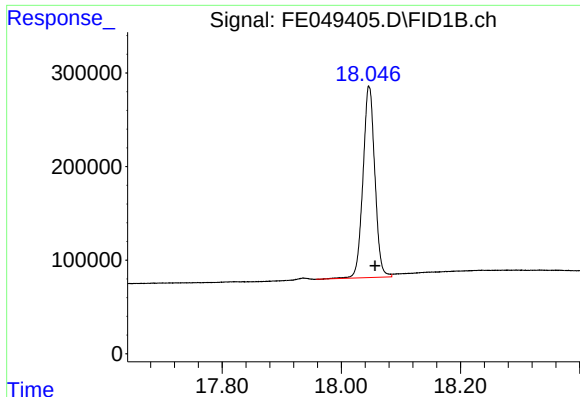
#15 n-Hexacosane (C26)

R.T.: 16.212 min
Delta R.T.: -0.009 min
Response: 2669846
Conc: 19.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.160 min
Delta R.T.: -0.010 min
Response: 2583775
Conc: 18.46 ug/ml



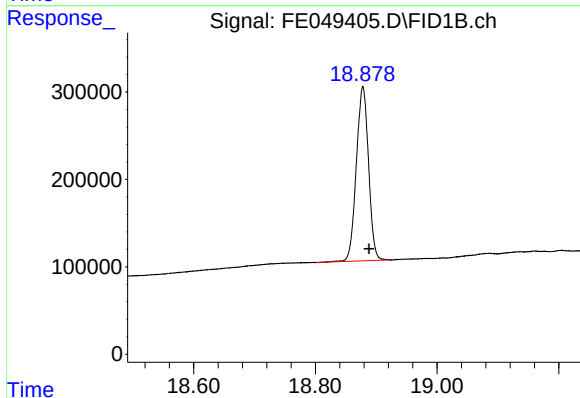
#17 n-Tricontane (C30)

R.T.: 18.047 min
Delta R.T.: -0.010 min
Response: 2827061
Conc: 19.38 ug/ml

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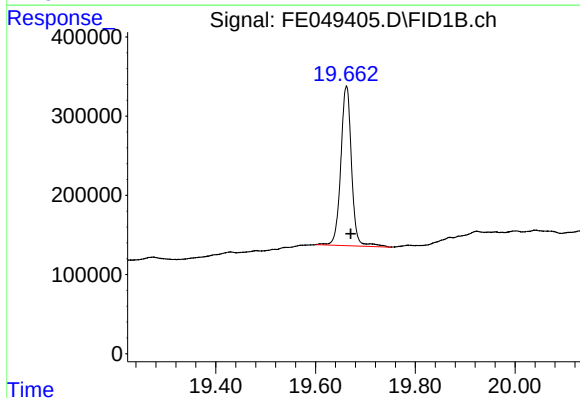
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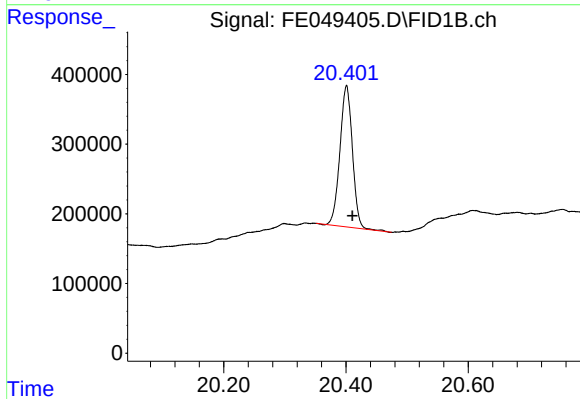
#18 n-Dotriacontane (C32)

R.T.: 18.878 min
Delta R.T.: -0.010 min
Response: 2778324
Conc: 18.90 ug/ml



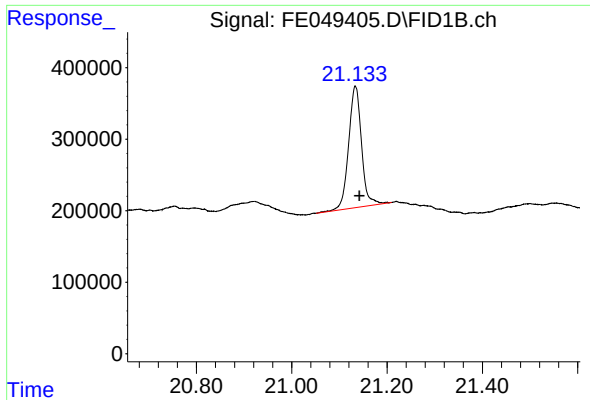
#19 n-Tetratriacontane (C34)

R.T.: 19.662 min
Delta R.T.: -0.009 min
Response: 3012032
Conc: 20.62 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.401 min
Delta R.T.: -0.010 min
Response: 2883223
Conc: 20.00 ug/ml



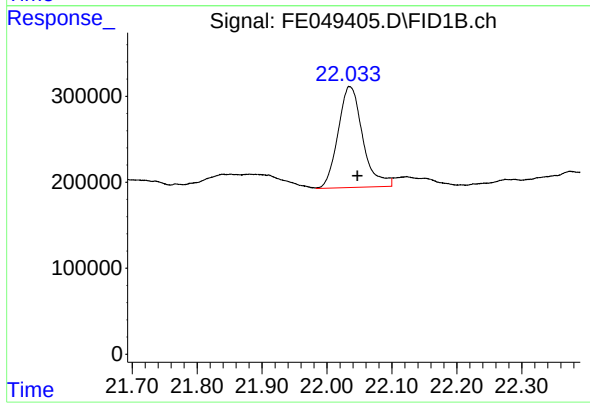
#21 n-Octatriacontane (C38)

R.T.: 21.134 min
Delta R.T.: -0.008 min
Response: 3208220
Conc: 21.43 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.033 min
Delta R.T.: -0.014 min
Response: 3098139
Conc: 20.53 ug/ml m