

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121024AL\
 Data File : FE051599.D
 Signal(s) : FID1B.ch
 Acq On : 10 Dec 2024 09:28
 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 12/11/2024
 Supervised By :Ankita Jodhani 12/11/2024

Integration File: autoint1.e
 Quant Time: Dec 11 02:02:38 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 120224.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 02 14:18:35 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)	11.831	2644858	17.502 ug/ml
Spiked Amount 50.000		Recovery =	35.00%
12) S 1-chlorooctadecane (S...	13.263	2019395	18.070 ug/ml
Spiked Amount 50.000		Recovery =	36.14%
Target Compounds			
1) T n-Nonane (C9)	3.219	2406978	17.174 ug/ml
2) T n-Decane (C10)	4.467	2494122	17.588 ug/ml
3) T A~Naphthalene (C11.7)	6.183	2301600	17.411 ug/ml
4) T n-Dodecane (C12)	6.635	2509080	17.627 ug/ml
5) T A~2-methylnaphthalene...	7.280	2164983	18.047 ug/ml
6) T n-Tetradecane (C14)	8.462	2466669	17.695 ug/ml
7) T n-Hexadecane (C16)	10.068	2520458	17.739 ug/ml
8) T n-Octadecane (C18)	11.509	2510739	17.471 ug/ml
10) T n-Eicosane (C20)	12.816	2409526	17.455 ug/ml
11) T n-Heneicosane (C21)	13.427	2359814	17.409 ug/ml
13) T n-Docosane (C22)	14.013	2340689	17.481 ug/mlm
14) T n-Tetracosane (C24)	15.115	2331125	17.642 ug/ml
15) T n-Hexacosane (C26)	16.134	2331344	17.978 ug/ml
16) T n-Octacosane (C28)	17.084	2341160	18.363 ug/ml
17) T n-Tricontane (C30)	17.970	2463960	19.029 ug/mlm
18) T n-Dotriacontane (C32)	18.802	2430652	19.416 ug/ml
19) T n-Tetratriacontane (C34)	19.584	2182914	19.328 ug/ml
20) T n-Hexatriacontane (C36)	20.324	1980837	20.568 ug/ml
21) T n-Octatriacontane (C38)	21.046	2084272	22.893 ug/ml
22) T n-Tetracontane (C40)	21.921	1840717	21.004 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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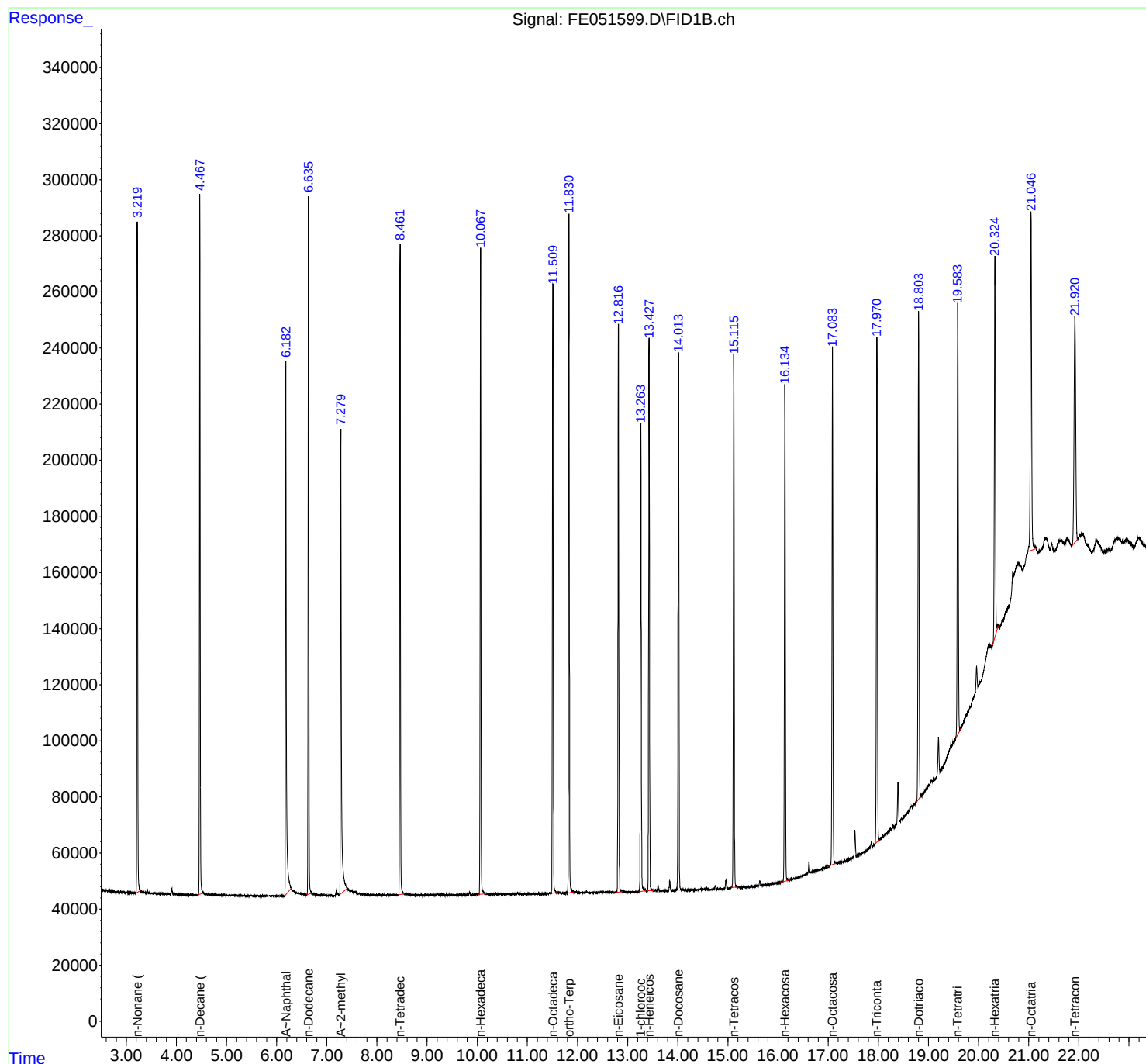
Instrument :
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20 PPM ALIPHATIC HC STD

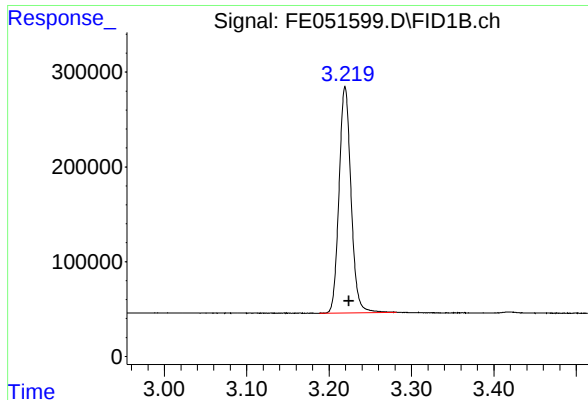
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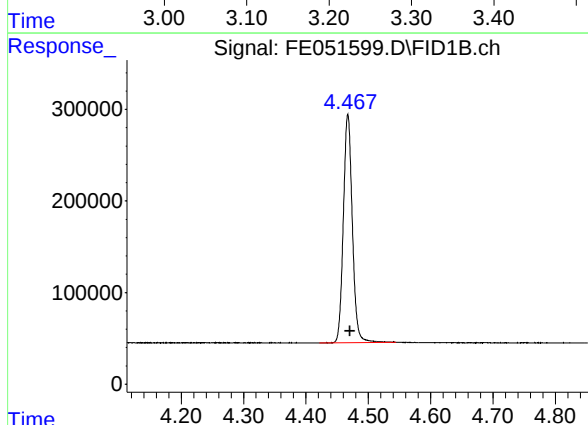
#1 n-Nonane (C9)

R.T.: 3.219 min
Delta R.T.: -0.005 min
Response: 2406978
Conc: 17.17 ug/ml

Instrument :
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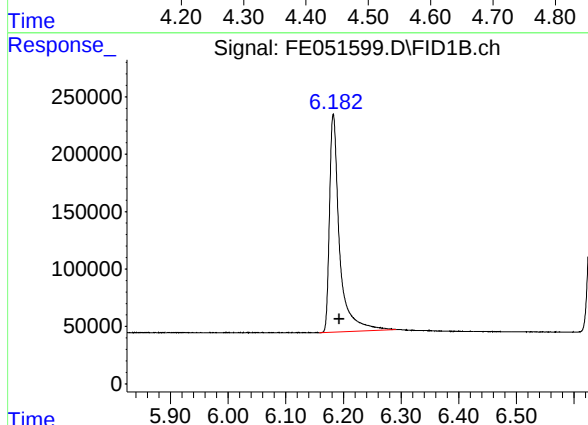
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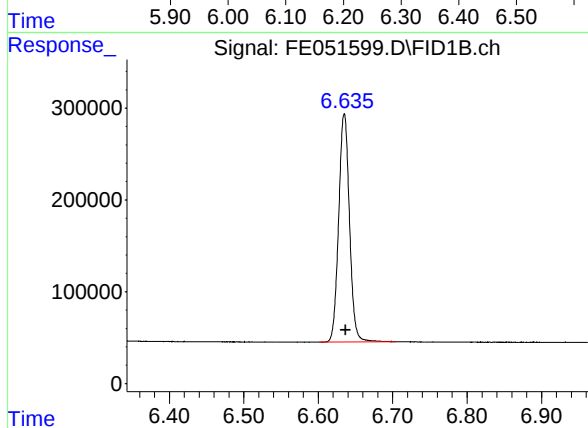
#2 n-Decane (C10)

R.T.: 4.467 min
Delta R.T.: -0.004 min
Response: 2494122
Conc: 17.59 ug/ml



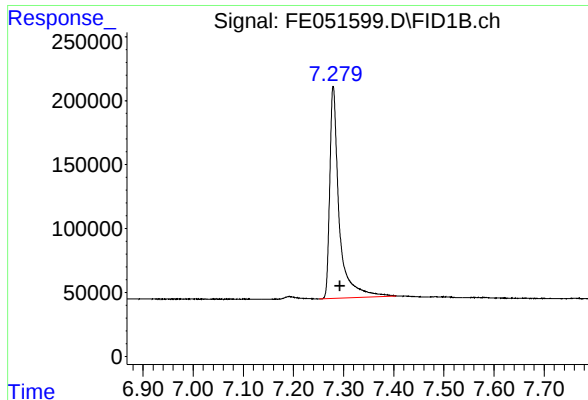
#3 A~Naphthalene (C11.7)

R.T.: 6.183 min
Delta R.T.: -0.010 min
Response: 2301600
Conc: 17.41 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.635 min
Delta R.T.: -0.002 min
Response: 2509080
Conc: 17.63 ug/ml



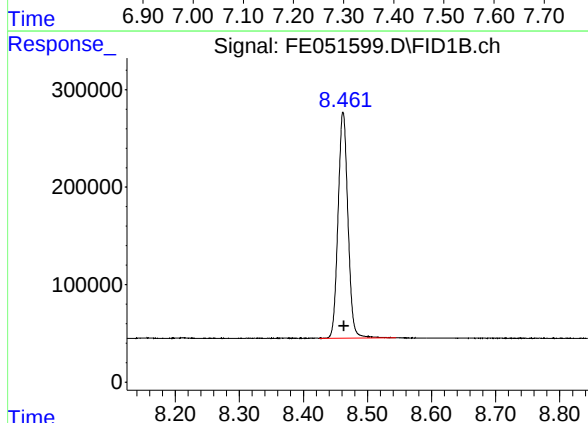
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.280 min
Delta R.T.: -0.013 min
Response: 2164983
Conc: 18.05 ug/ml

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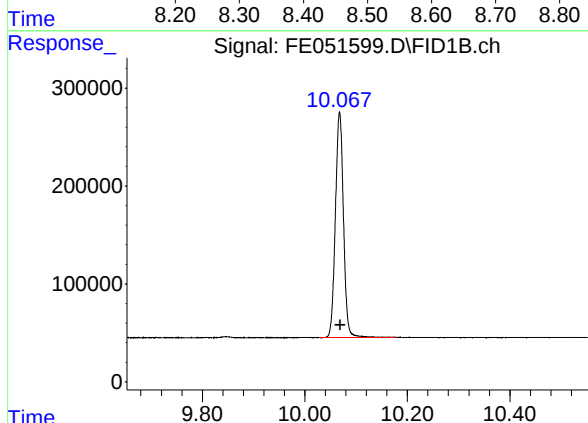
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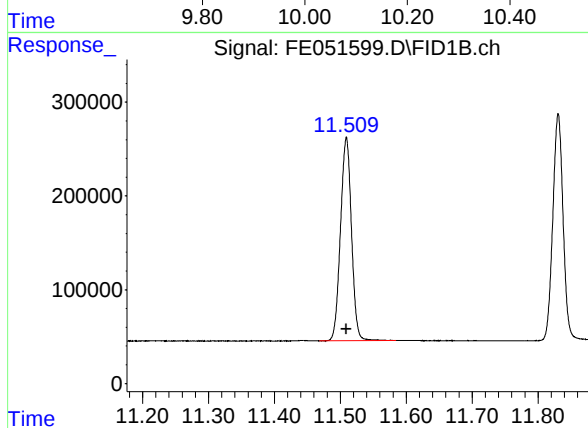
#6 n-Tetradecane (C14)

R.T.: 8.462 min
Delta R.T.: -0.001 min
Response: 2466669
Conc: 17.70 ug/ml



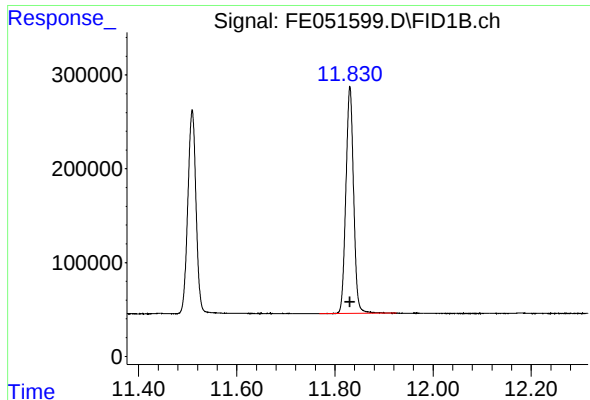
#7 n-Hexadecane (C16)

R.T.: 10.068 min
Delta R.T.: -0.001 min
Response: 2520458
Conc: 17.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.509 min
Delta R.T.: 0.000 min
Response: 2510739
Conc: 17.47 ug/ml



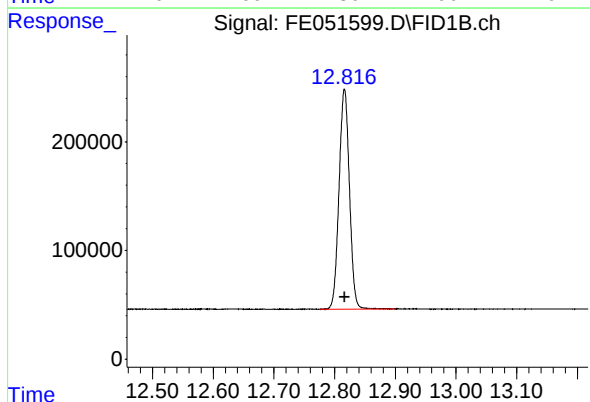
#9 ortho-Terphenyl (SURR)

R.T.: 11.831 min
Delta R.T.: 0.000 min
Response: 2644858
Conc: 17.50 ug/ml

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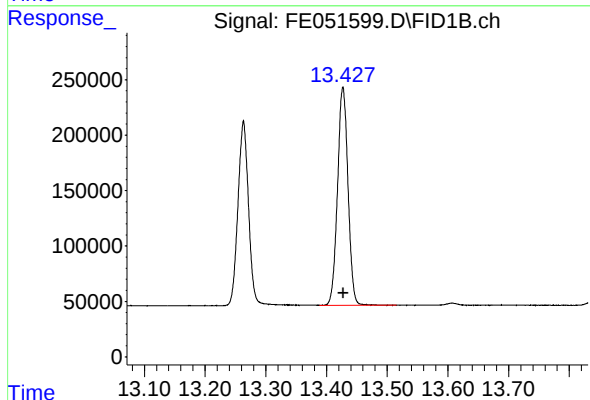
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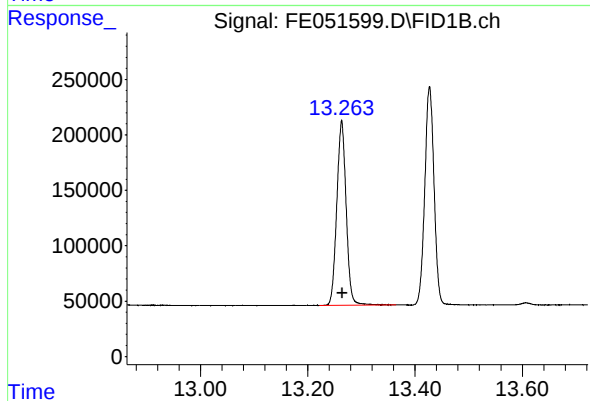
#10 n-Eicosane (C20)

R.T.: 12.816 min
Delta R.T.: 0.000 min
Response: 2409526
Conc: 17.46 ug/ml



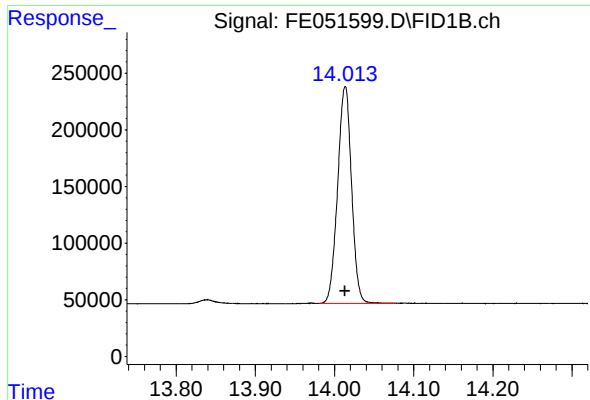
#11 n-Heneicosane (C21)

R.T.: 13.427 min
Delta R.T.: 0.000 min
Response: 2359814
Conc: 17.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.263 min
Delta R.T.: -0.001 min
Response: 2019395
Conc: 18.07 ug/ml



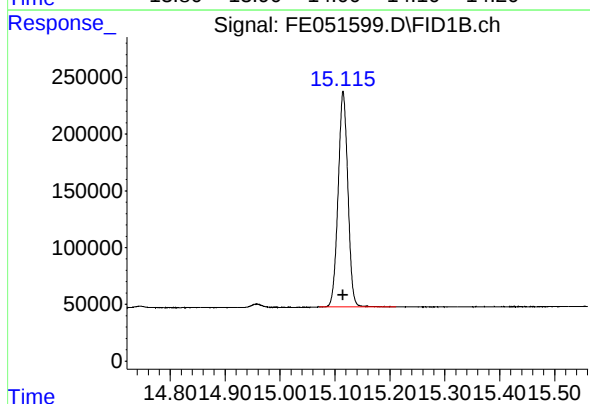
#13 n-Docosane (C22)

R.T.: 14.013 min
Delta R.T.: 0.000 min
Response: 2340689
Conc: 17.48 ug/ml

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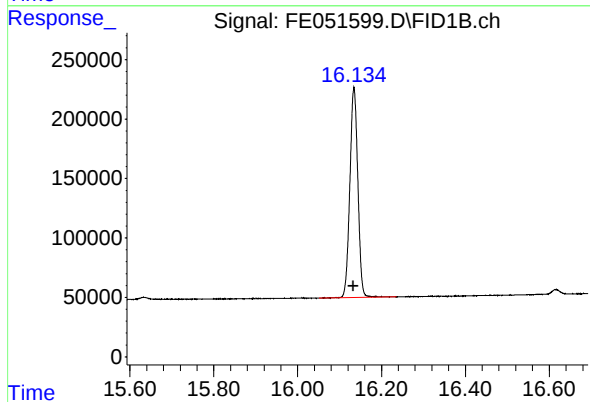
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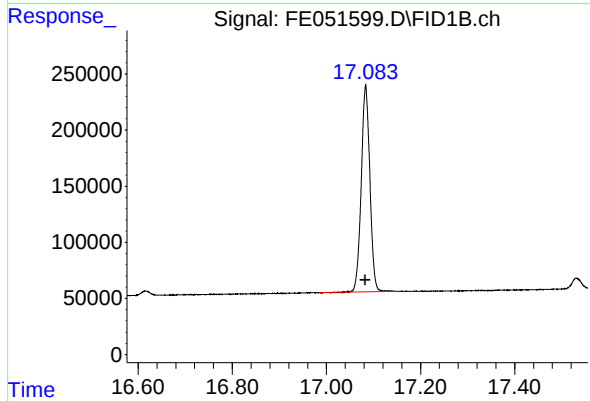
#14 n-Tetracosane (C24)

R.T.: 15.115 min
Delta R.T.: 0.000 min
Response: 2331125
Conc: 17.64 ug/ml



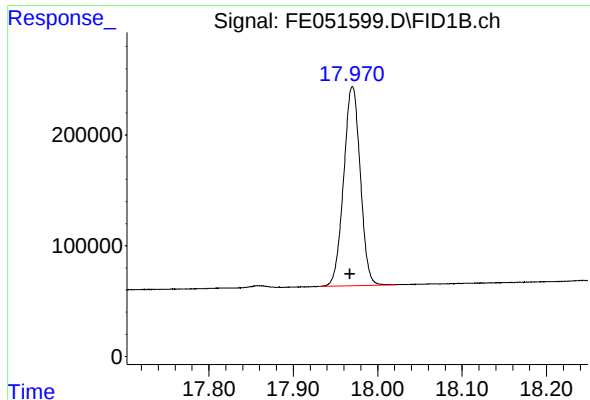
#15 n-Hexacosane (C26)

R.T.: 16.134 min
Delta R.T.: 0.001 min
Response: 2331344
Conc: 17.98 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.084 min
Delta R.T.: 0.001 min
Response: 2341160
Conc: 18.36 ug/ml



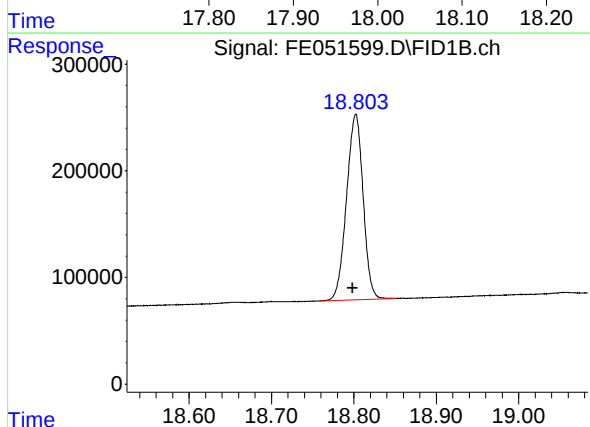
#17 n-Tricontane (C30)

R.T.: 17.970 min
Delta R.T.: 0.002 min
Response: 2463960
Conc: 19.03 ug/ml

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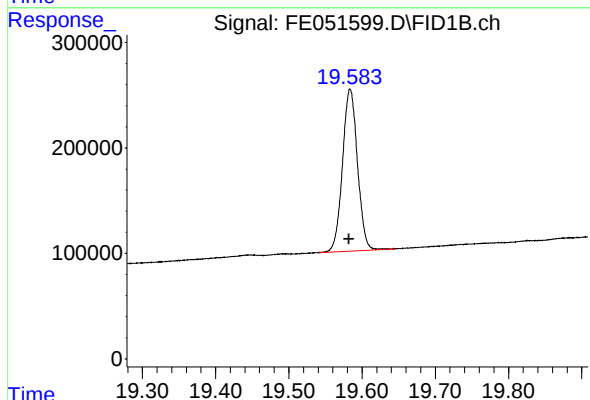
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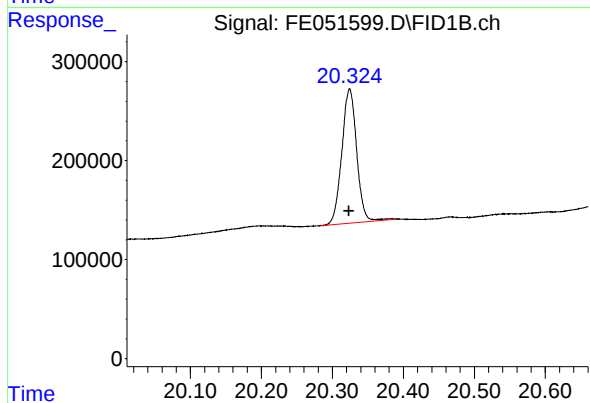
#18 n-Dotriacontane (C32)

R.T.: 18.802 min
Delta R.T.: 0.003 min
Response: 2430652
Conc: 19.42 ug/ml



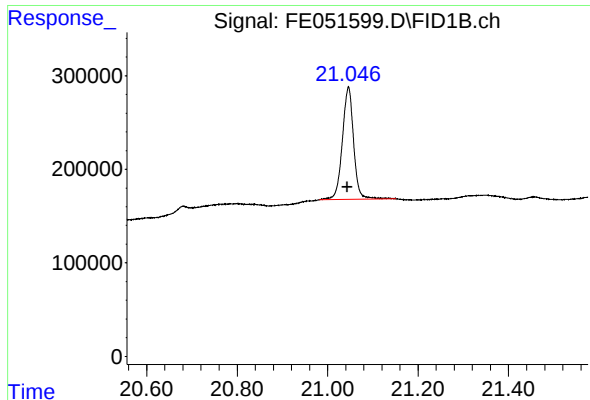
#19 n-Tetratriacontane (C34)

R.T.: 19.584 min
Delta R.T.: 0.002 min
Response: 2182914
Conc: 19.33 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.324 min
Delta R.T.: 0.001 min
Response: 1980837
Conc: 20.57 ug/ml



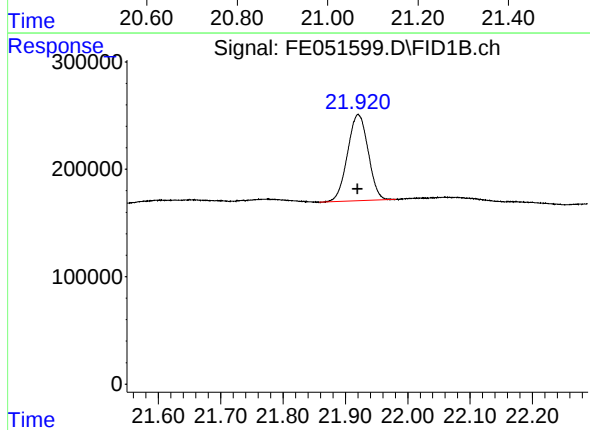
#21 n-Octatriacontane (C38)

R.T.: 21.046 min
Delta R.T.: 0.002 min
Response: 2084272
Conc: 22.89 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.921 min
Delta R.T.: 0.001 min
Response: 1840717
Conc: 21.00 ug/ml