

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120224AL\
 Data File : FE051501.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2024 14:23
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/02/2024
 Supervised By :Ankita Jodhani 12/03/2024

Integration File: autoint1.e
 Quant Time: Dec 02 14:45:27 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)	11.830	2832275	18.742 ug/ml
Spiked Amount 50.000		Recovery =	37.48%
12) S 1-chlorooctadecane (S...	13.263	2114806	18.924 ug/ml
Spiked Amount 50.000		Recovery =	37.85%
Target Compounds			
1) T n-Nonane (C9)	3.223	2652429	18.926 ug/ml
2) T n-Decane (C10)	4.470	2680917	18.905 ug/ml
3) T A~Naphthalene (C11.7)	6.185	2597316	19.648 ug/ml
4) T n-Dodecane (C12)	6.637	2692513	18.916 ug/ml
5) T A~2-methylnaphthalene...	7.282	2364349	19.709 ug/ml
6) T n-Tetradecane (C14)	8.463	2639130	18.932 ug/ml
7) T n-Hexadecane (C16)	10.068	2687493	18.915 ug/ml
8) T n-Octadecane (C18)	11.509	2715172	18.893 ug/ml
10) T n-Eicosane (C20)	12.816	2581608	18.702 ug/ml
11) T n-Heneicosane (C21)	13.427	2547454	18.794 ug/ml
13) T n-Docosane (C22)	14.012	2504154	18.702 ug/ml
14) T n-Tetracosane (C24)	15.113	2475634	18.736 ug/ml
15) T n-Hexacosane (C26)	16.133	2434773	18.776 ug/ml
16) T n-Octacosane (C28)	17.082	2384542	18.703 ug/ml
17) T n-Tricontane (C30)	17.967	2398282	18.522 ug/mlm
18) T n-Dotriacontane (C32)	18.799	2363192	18.877 ug/ml
19) T n-Tetratriacontane (C34)	19.583	2077605	18.396 ug/ml
20) T n-Hexatriacontane (C36)	20.322	1836231	19.067 ug/ml
21) T n-Octatriacontane (C38)	21.041	1747106	19.189 ug/ml
22) T n-Tetracontane (C40)	21.918	1607746	18.346 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 120224.

Quant Title : GC Extractables

QLast Update : Mon Dec 02 14:18:35 2024

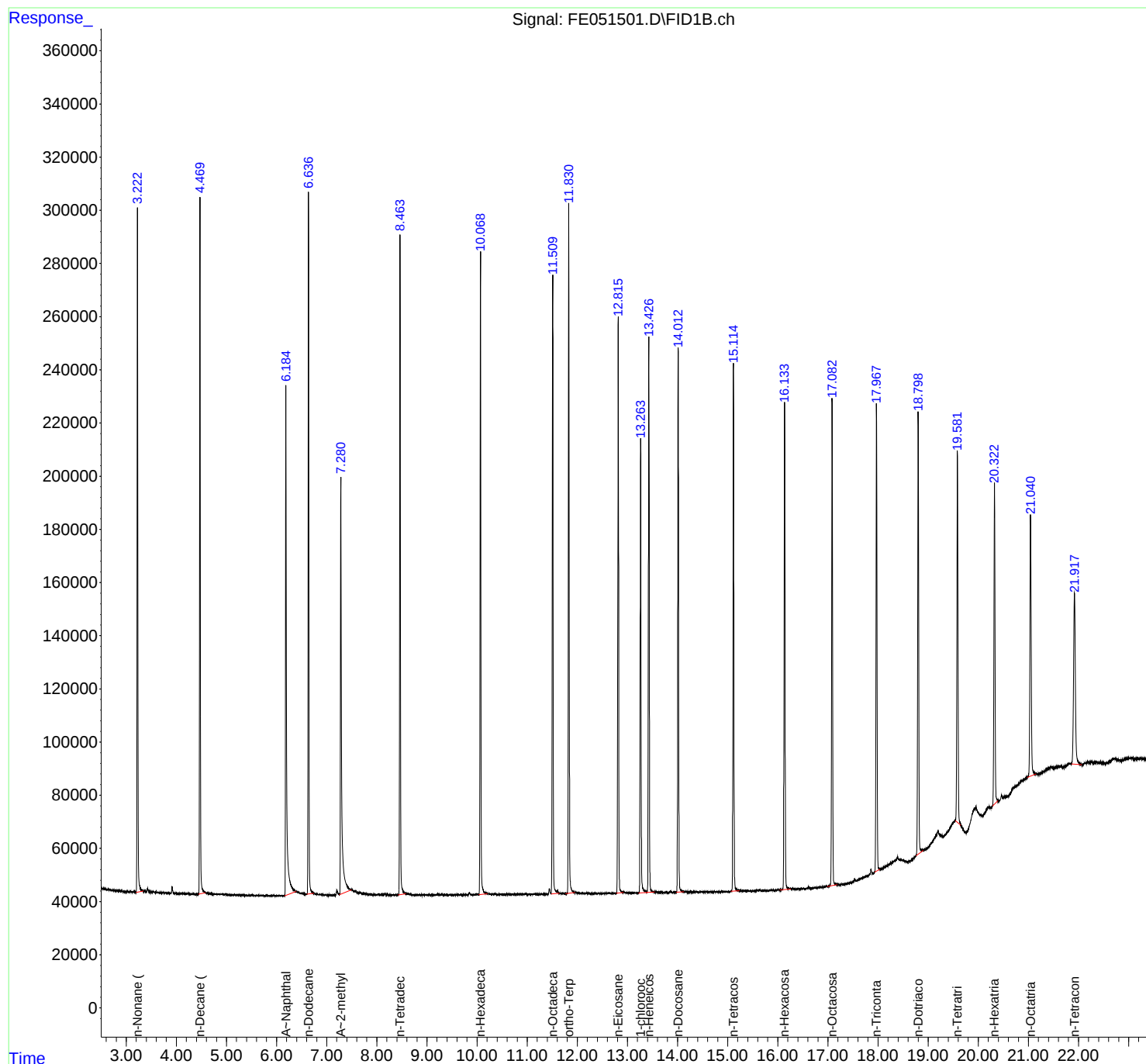
Response via : Initial Calibration

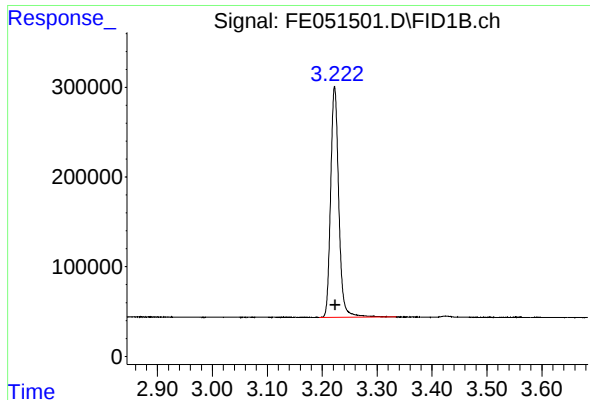
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.223 min
Delta R.T.: -0.001 min
Response: 2652429
Conc: 18.93 ug/ml

Instrument :

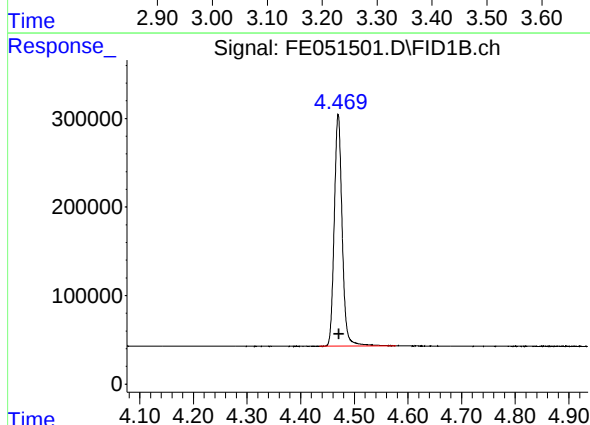
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20 PPM ALIPHATIC HC STD ICV

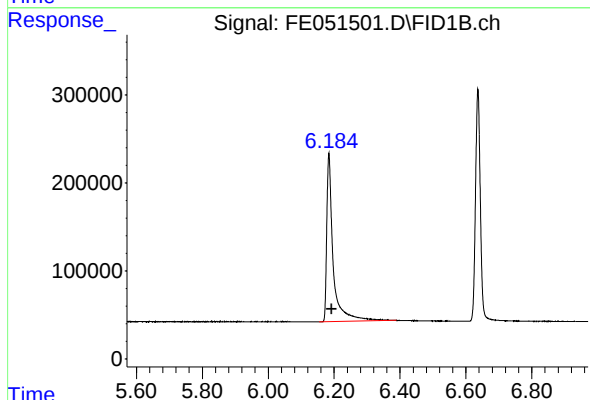
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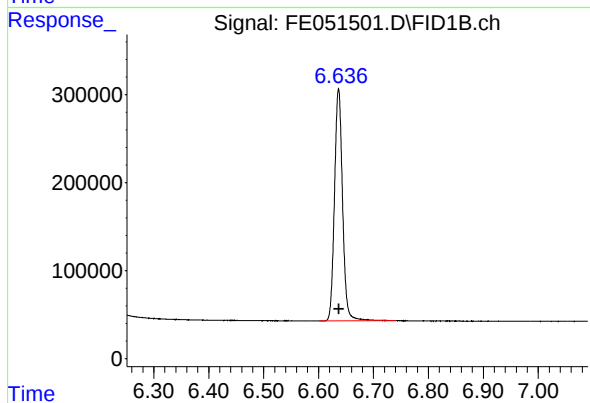
#2 n-Decane (C10)

R.T.: 4.470 min
Delta R.T.: -0.001 min
Response: 2680917
Conc: 18.91 ug/ml



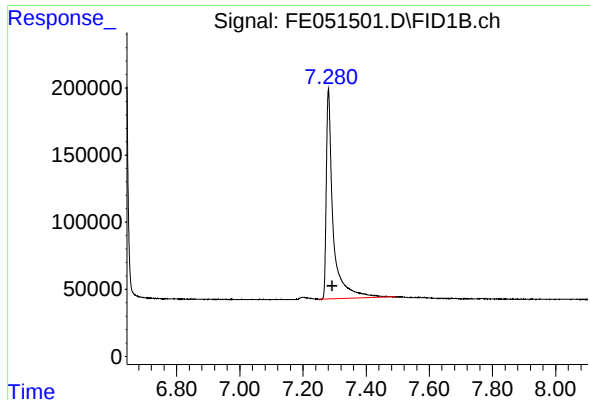
#3 A~Naphthalene (C11.7)

R.T.: 6.185 min
Delta R.T.: -0.008 min
Response: 2597316
Conc: 19.65 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.637 min
Delta R.T.: 0.000 min
Response: 2692513
Conc: 18.92 ug/ml



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

R.T.: 7.282 min
Delta R.T.: -0.010 min
Response: 2364349
Conc: 19.71 ug/ml

Instrument :

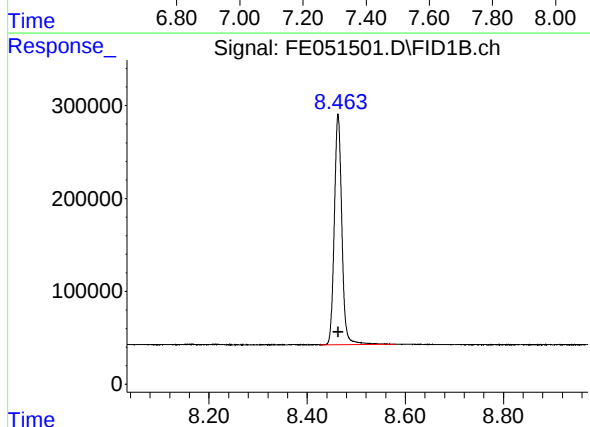
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ClientSampleId :

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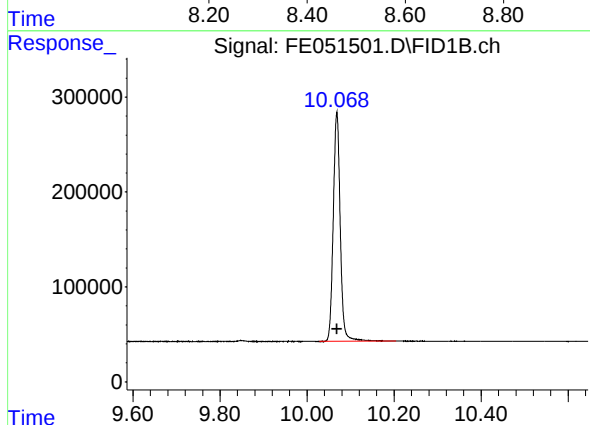
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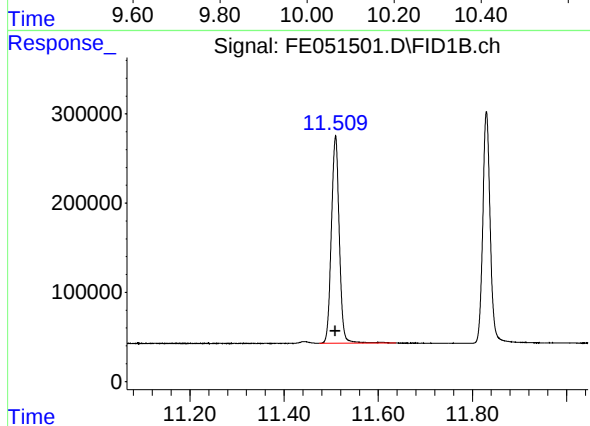
#6 n-Tetradecane (C14)

R.T.: 8.463 min
Delta R.T.: 0.000 min
Response: 2639130
Conc: 18.93 ug/ml



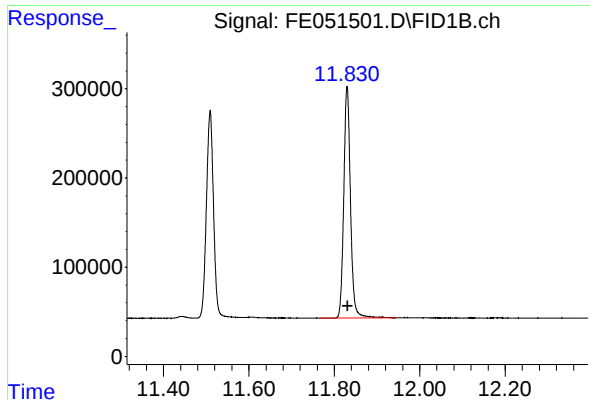
#7 n-Hexadecane (C16)

R.T.: 10.068 min
Delta R.T.: 0.000 min
Response: 2687493
Conc: 18.92 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.509 min
Delta R.T.: 0.000 min
Response: 2715172
Conc: 18.89 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.830 min
Delta R.T.: 0.000 min
Response: 2832275
Conc: 18.74 ug/ml

Instrument :

FID_E

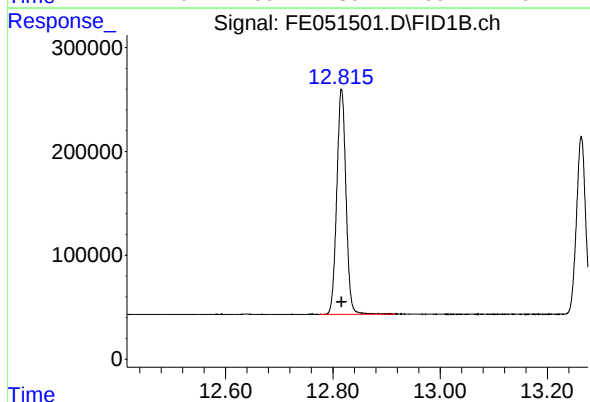
ClientSampleId :

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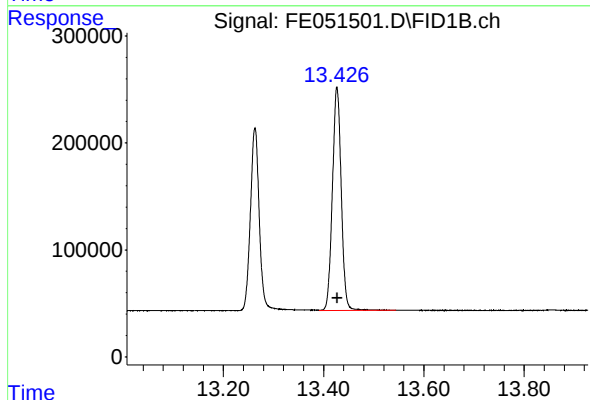
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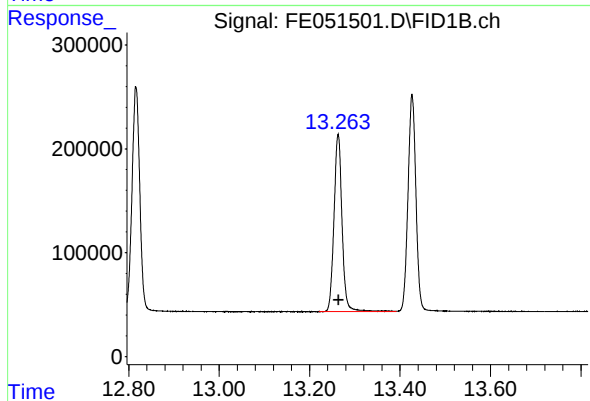
#10 n-Eicosane (C20)

R.T.: 12.816 min
Delta R.T.: 0.000 min
Response: 2581608
Conc: 18.70 ug/ml



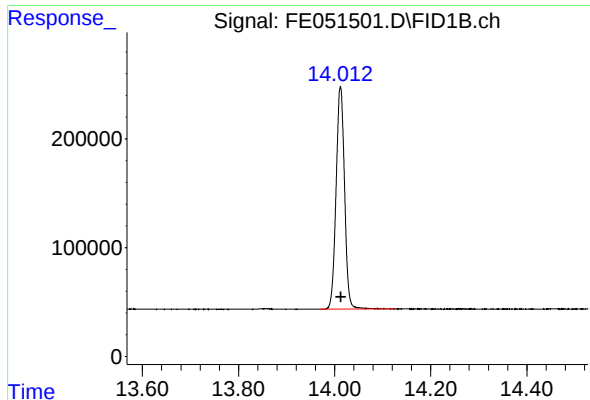
#11 n-Heneicosane (C21)

R.T.: 13.427 min
Delta R.T.: 0.000 min
Response: 2547454
Conc: 18.79 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.263 min
Delta R.T.: -0.001 min
Response: 2114806
Conc: 18.92 ug/ml



#13 n-Docosane (C22)

R.T.: 14.012 min
Delta R.T.: -0.001 min
Response: 2504154
Conc: 18.70 ug/ml

Instrument :

FID_E

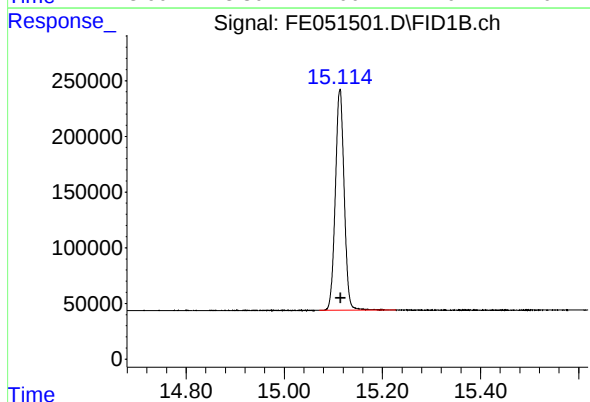
ClientSampleId :

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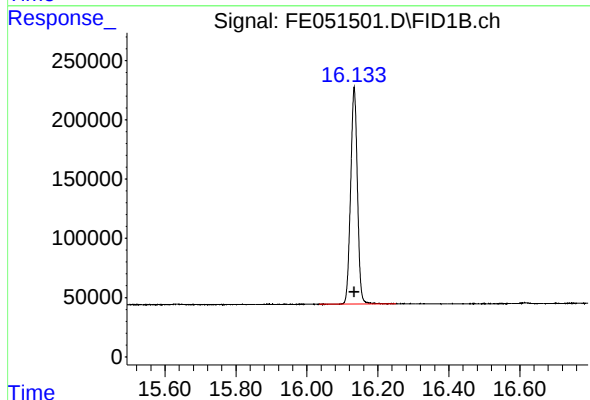
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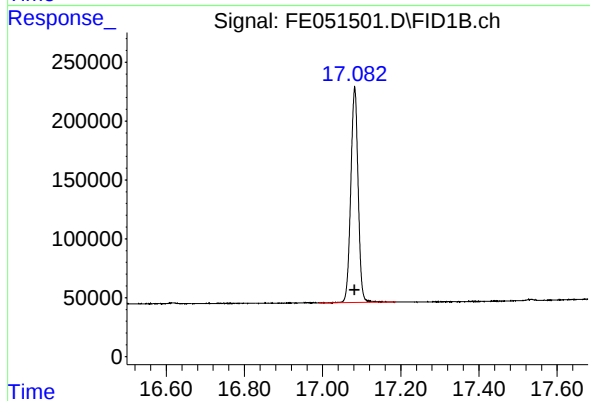
#14 n-Tetracosane (C24)

R.T.: 15.113 min
Delta R.T.: -0.001 min
Response: 2475634
Conc: 18.74 ug/ml



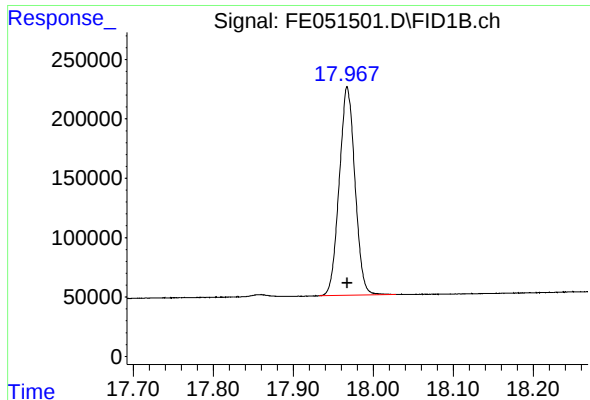
#15 n-Hexacosane (C26)

R.T.: 16.133 min
Delta R.T.: 0.000 min
Response: 2434773
Conc: 18.78 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.082 min
Delta R.T.: 0.000 min
Response: 2384542
Conc: 18.70 ug/ml



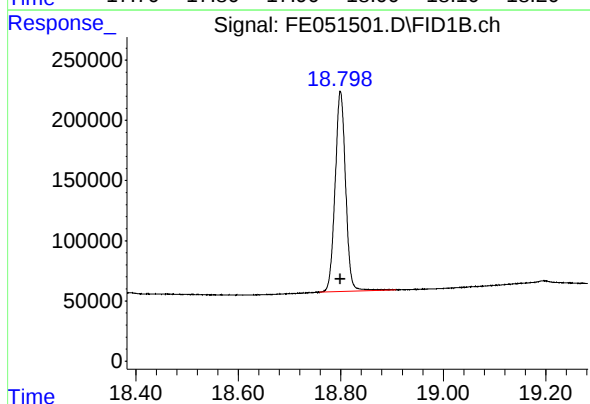
#17 n-Tricontane (C30)

R.T.: 17.967 min
Delta R.T.: 0.000 min
Response: 2398282
Conc: 18.52 ug/ml

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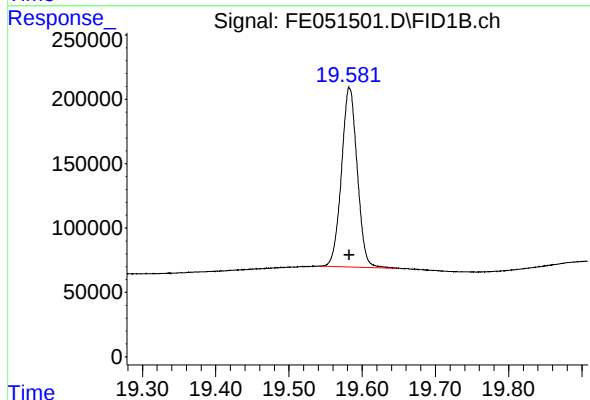
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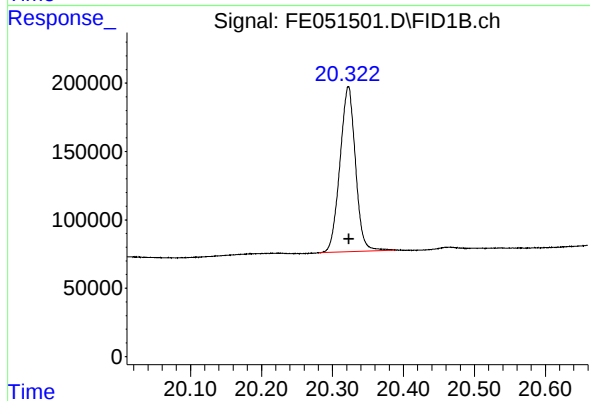
#18 n-Dotriacontane (C32)

R.T.: 18.799 min
Delta R.T.: 0.000 min
Response: 2363192
Conc: 18.88 ug/ml



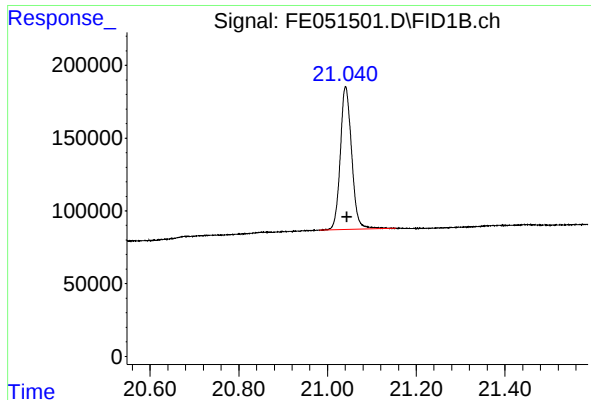
#19 n-Tetratriacontane (C34)

R.T.: 19.583 min
Delta R.T.: 0.000 min
Response: 2077605
Conc: 18.40 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.322 min
Delta R.T.: -0.001 min
Response: 1836231
Conc: 19.07 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.041 min
Delta R.T.: -0.002 min
Response: 1747106
Conc: 19.19 ug/ml

Instrument :

FID_E

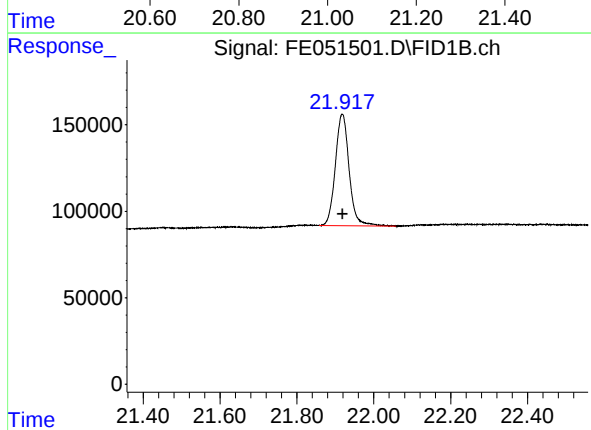
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#22 n-Tetracontane (C40)

R.T.: 21.918 min
Delta R.T.: -0.002 min
Response: 1607746
Conc: 18.35 ug/ml