

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092624AL\
 Data File : FE050371.D
 Signal(s) : FID1B.ch
 Acq On : 26 Sep 2024 07:27
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/27/2024
 Supervised By :Ankita Jodhani 09/27/2024

Integration File: autoint1.e
 Quant Time: Sep 27 01:33:18 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.867	2574587	17.305 ug/ml
Spiked Amount 50.000		Recovery =	34.61%
12) S 1-chlorooctadecane (S...	13.301	1963117	17.477 ug/ml
Spiked Amount 50.000		Recovery =	34.95%
Target Compounds			
1) T n-Nonane (C9)	3.256	2322476	17.134 ug/ml
2) T n-Decane (C10)	4.507	2408299	17.450 ug/ml
3) T A~Naphthalene (C11.7)	6.217	2452770	17.524 ug/ml
4) T n-Dodecane (C12)	6.673	2426414	17.547 ug/mlm
5) T A~2-methylnaphthalene...	7.313	2293855	17.452 ug/ml
6) T n-Tetradecane (C14)	8.501	2409456	17.694 ug/ml
7) T n-Hexadecane (C16)	10.106	2498396	17.987 ug/ml
8) T n-Octadecane (C18)	11.548	2520655	17.992 ug/ml
10) T n-Eicosane (C20)	12.855	2410531	17.970 ug/mlm
11) T n-Heneicosane (C21)	13.467	2366927	18.014 ug/ml
13) T n-Docosane (C22)	14.052	2356608	18.098 ug/ml
14) T n-Tetracosane (C24)	15.153	2379836	18.224 ug/ml
15) T n-Hexacosane (C26)	16.173	2363316	18.472 ug/mlm
16) T n-Octacosane (C28)	17.121	2458772	19.088 ug/ml
17) T n-Tricontane (C30)	18.008	2670725	19.972 ug/ml
18) T n-Dotriacontane (C32)	18.840	2769357	20.782 ug/ml
19) T n-Tetratriacontane (C34)	19.622	2754337	22.291 ug/ml
20) T n-Hexatriacontane (C36)	20.360	2680819	24.162 ug/ml
21) T n-Octatriacontane (C38)	21.084	2614255	23.706 ug/mlm
22) T n-Tetracontane (C40)	21.972	2375481	21.831 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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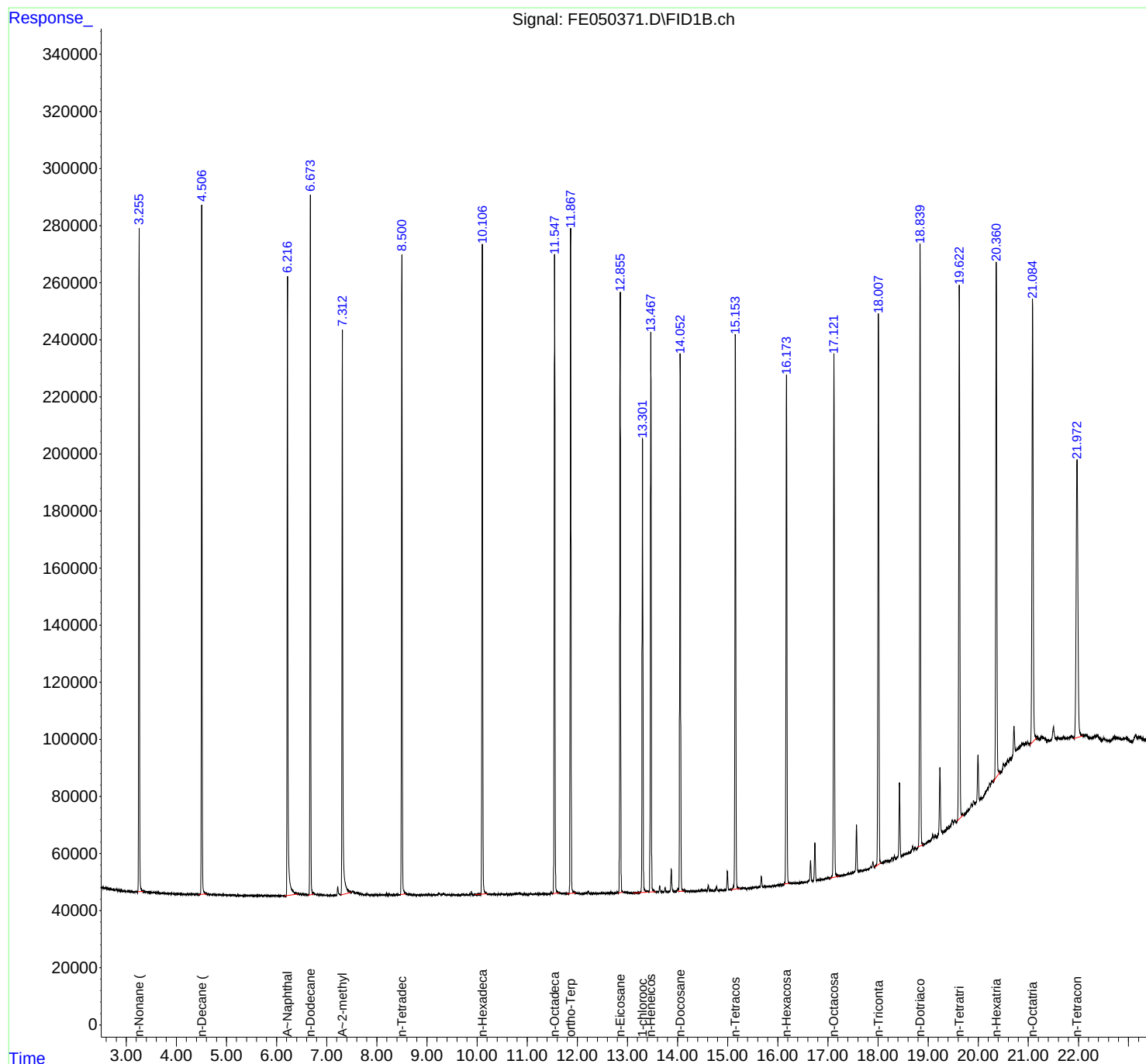
Instrument :
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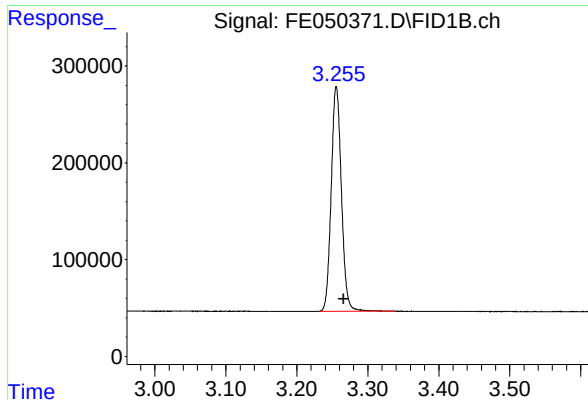
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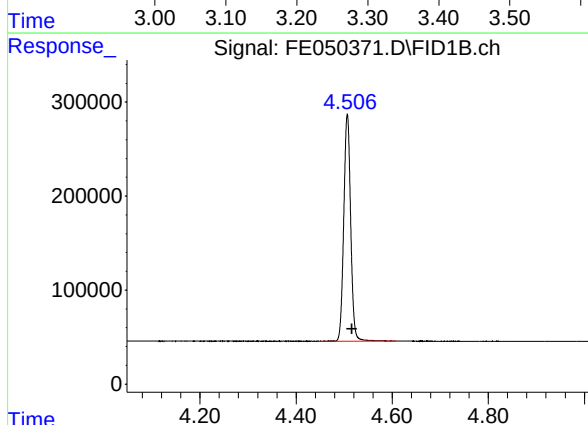
#1 n-Nonane (C9)

R.T.: 3.256 min
Delta R.T.: -0.010 min
Response: 2322476
Conc: 17.13 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

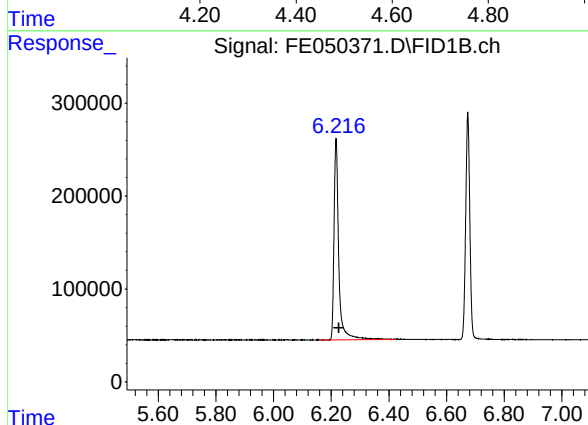
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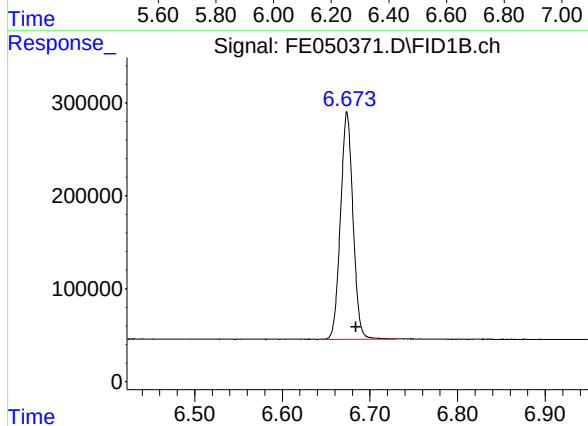
#2 n-Decane (C10)

R.T.: 4.507 min
Delta R.T.: -0.010 min
Response: 2408299
Conc: 17.45 ug/ml



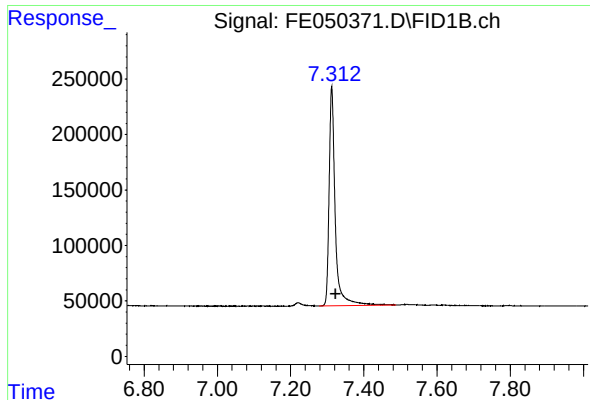
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: -0.010 min
Response: 2452770
Conc: 17.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.673 min
Delta R.T.: -0.011 min
Response: 2426414
Conc: 17.55 ug/ml m



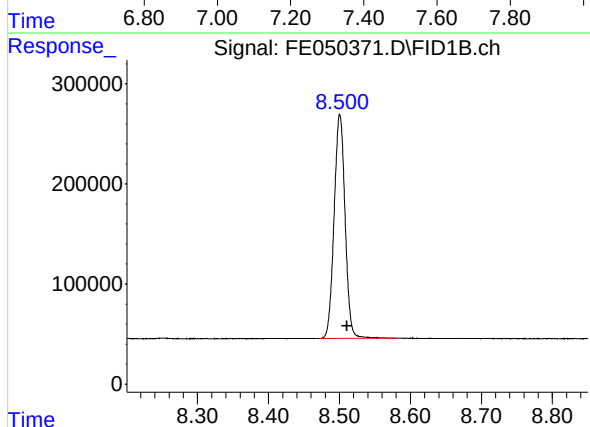
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.313 min
Delta R.T.: -0.011 min
Response: 2293855
Conc: 17.45 ug/ml

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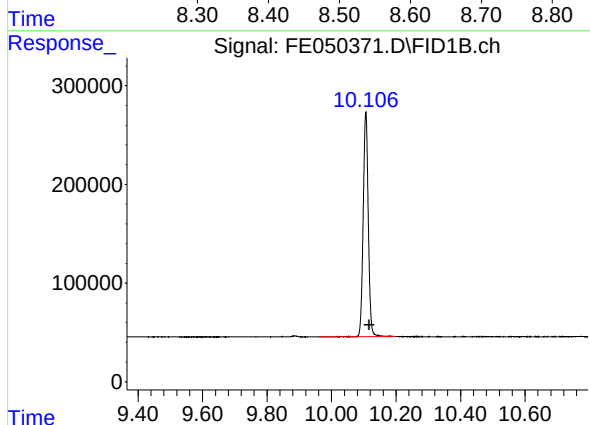
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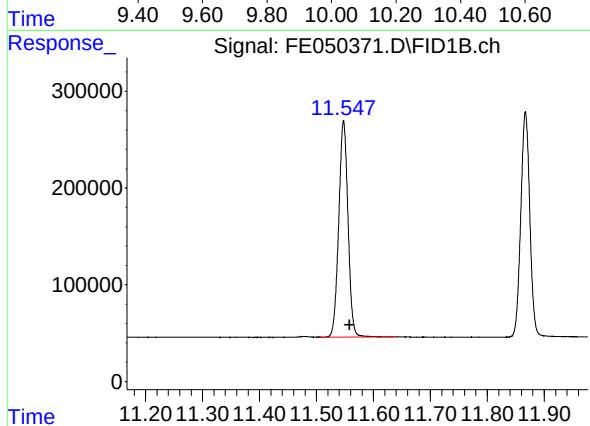
#6 n-Tetradecane (C14)

R.T.: 8.501 min
Delta R.T.: -0.010 min
Response: 2409456
Conc: 17.69 ug/ml



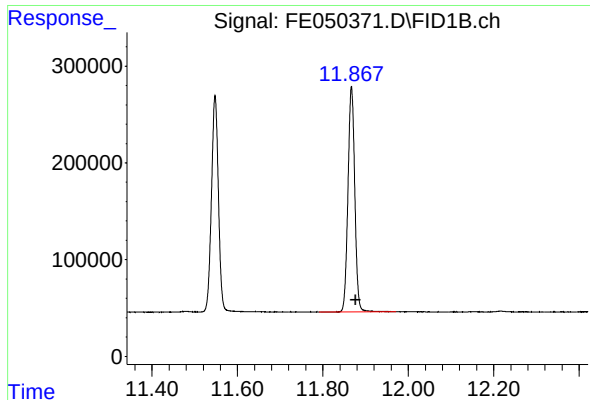
#7 n-Hexadecane (C16)

R.T.: 10.106 min
Delta R.T.: -0.011 min
Response: 2498396
Conc: 17.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.548 min
Delta R.T.: -0.011 min
Response: 2520655
Conc: 17.99 ug/ml



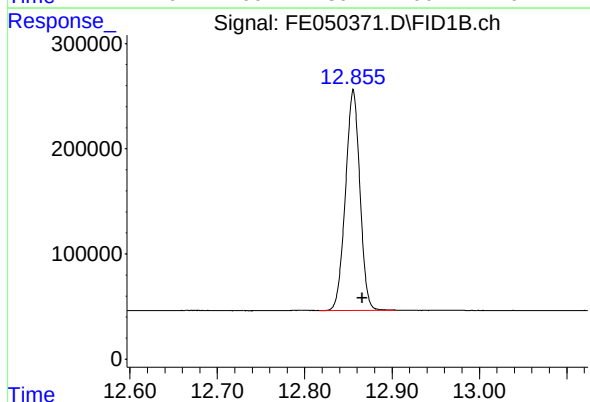
#9 ortho-Terphenyl (SURR)

R.T.: 11.867 min
Delta R.T.: -0.009 min
Response: 2574587
Conc: 17.30 ug/ml

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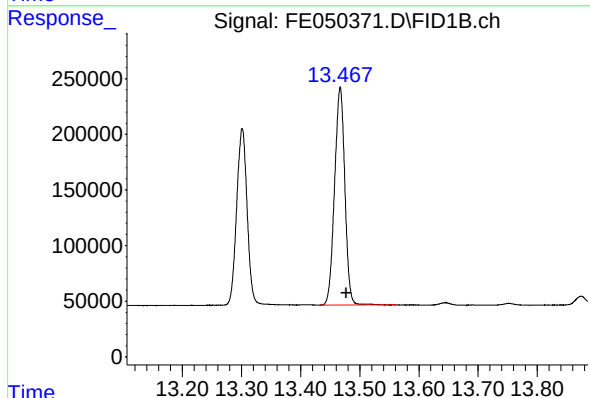
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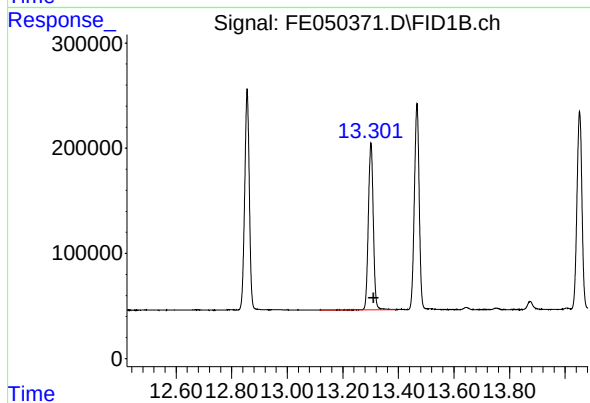
#10 n-Eicosane (C20)

R.T.: 12.855 min
Delta R.T.: -0.011 min
Response: 2410531
Conc: 17.97 ug/ml m



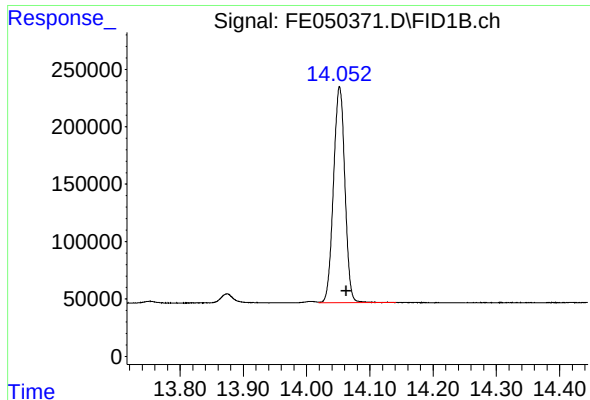
#11 n-Heneicosane (C21)

R.T.: 13.467 min
Delta R.T.: -0.010 min
Response: 2366927
Conc: 18.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.301 min
Delta R.T.: -0.010 min
Response: 1963117
Conc: 17.48 ug/ml



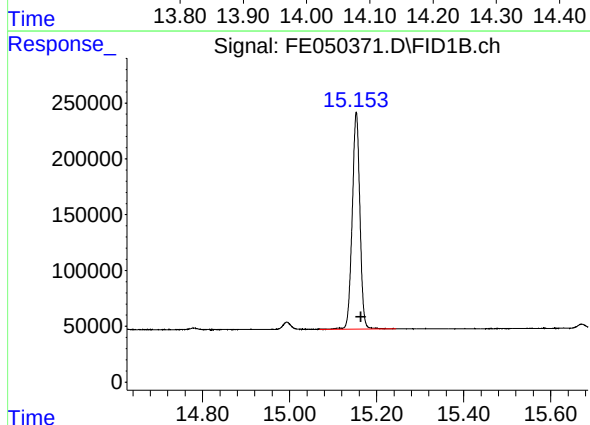
#13 n-Docosane (C22)

R.T.: 14.052 min
Delta R.T.: -0.011 min
Response: 2356608
Conc: 18.10 ug/ml

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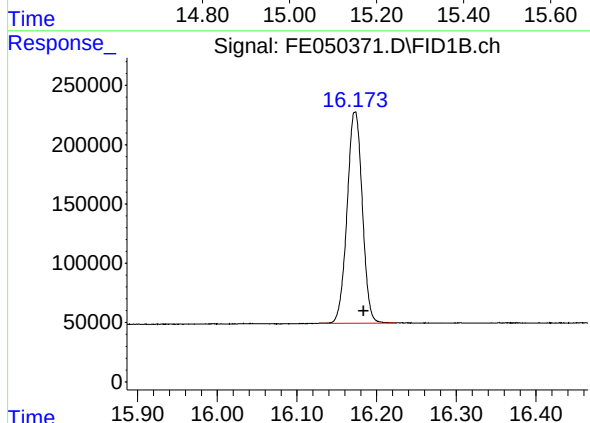
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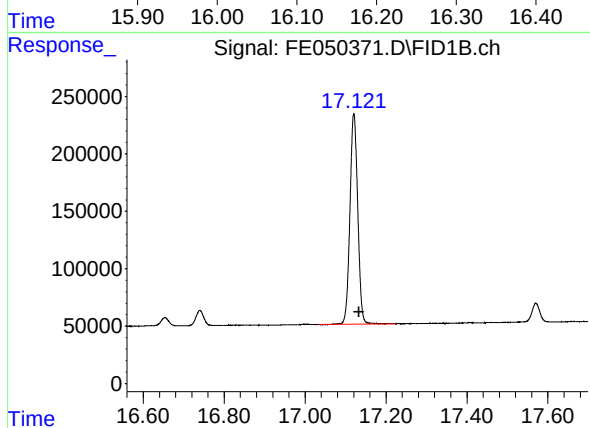
#14 n-Tetracosane (C24)

R.T.: 15.153 min
Delta R.T.: -0.011 min
Response: 2379836
Conc: 18.22 ug/ml



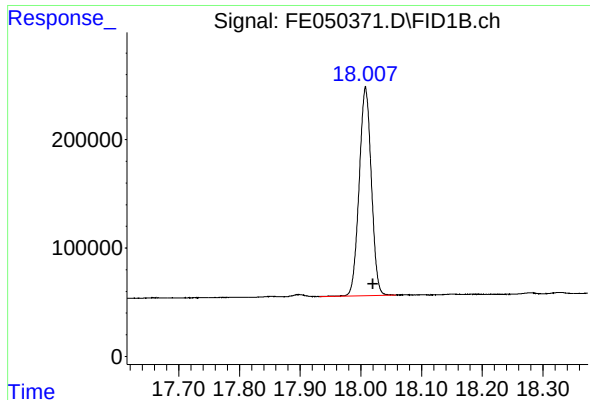
#15 n-Hexacosane (C26)

R.T.: 16.173 min
Delta R.T.: -0.010 min
Response: 2363316
Conc: 18.47 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.121 min
Delta R.T.: -0.013 min
Response: 2458772
Conc: 19.09 ug/ml



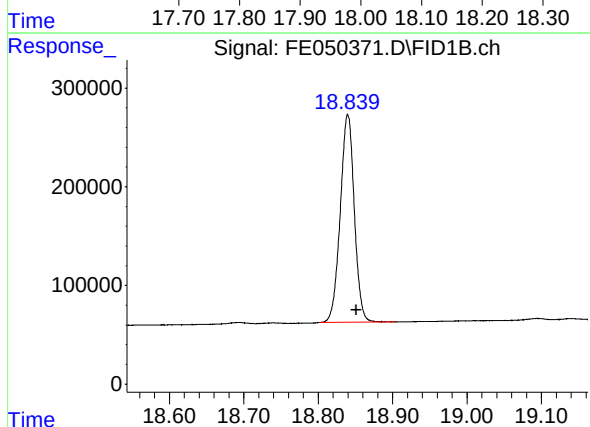
#17 n-Tricontane (C30)

R.T.: 18.008 min
Delta R.T.: -0.012 min
Response: 2670725
Conc: 19.97 ug/ml

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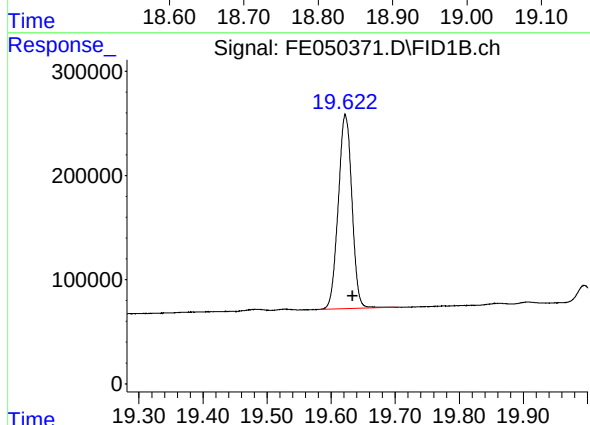
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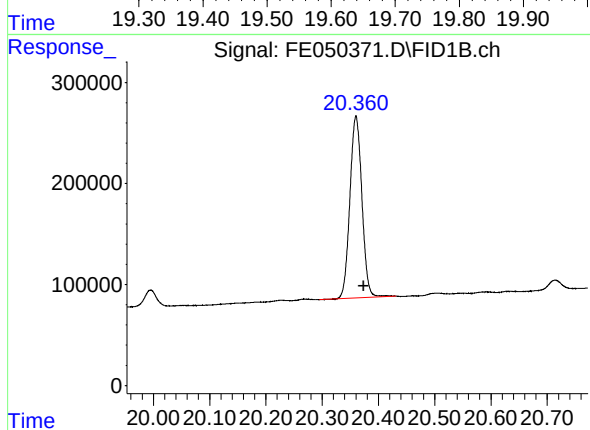
#18 n-Dotriacontane (C32)

R.T.: 18.840 min
Delta R.T.: -0.011 min
Response: 2769357
Conc: 20.78 ug/ml



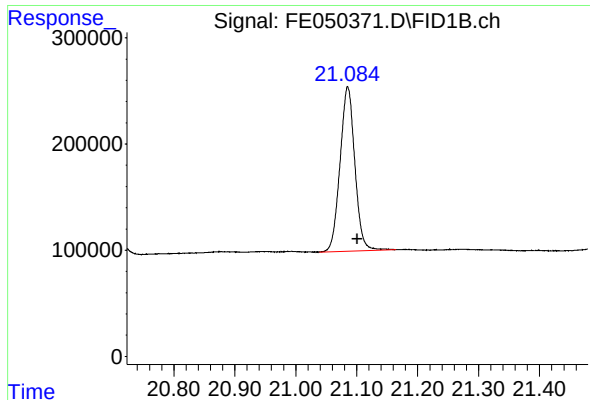
#19 n-Tetatriacontane (C34)

R.T.: 19.622 min
Delta R.T.: -0.011 min
Response: 2754337
Conc: 22.29 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.360 min
Delta R.T.: -0.014 min
Response: 2680819
Conc: 24.16 ug/ml



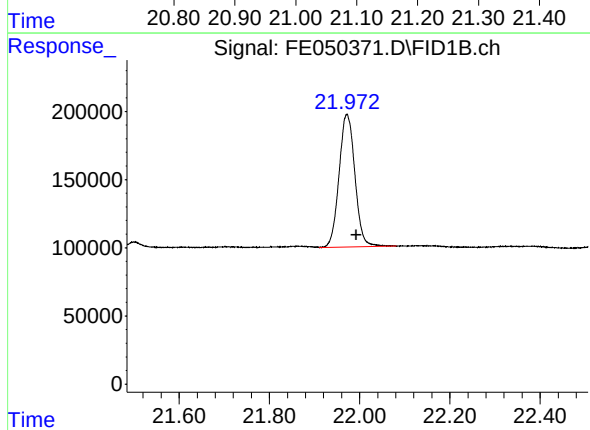
#21 n-Octatriacontane (C38)

R.T.: 21.084 min
Delta R.T.: -0.017 min
Response: 2614255
Conc: 23.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.972 min
Delta R.T.: -0.020 min
Response: 2375481
Conc: 21.83 ug/ml m