

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021925AL\
 Data File : FE052407.D
 Signal(s) : FID1B.ch
 Acq On : 19 Feb 2025 16:03
 Operator : YP\AJ
 Sample : Q1384-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 OR-03-021823025MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/20/2025
 Supervised By :Ankita Jodhani 02/20/2025

Integration File: autoint1.e
 Quant Time: Feb 20 00:19:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 021325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 14 00:50:00 2025
 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)	11.921	4278590	22.889 ug/ml
Spiked Amount 50.000		Recovery =	45.78%
12) S 1-chlorooctadecane (S...	13.367	4947460	35.594 ug/ml
Spiked Amount 50.000		Recovery =	71.19%
Target Compounds			
1) T n-Nonane (C9)	3.256	4096926	26.690 ug/ml
2) T n-Decane (C10)	4.520	4729659	30.282 ug/ml
3) T A~Naphthalene (C11.7)	6.231	5860019	33.918 ug/mlm
4) T n-Dodecane (C12)	6.701	5327511	33.752 ug/ml
5) T A~2-methylnaphthalene...	7.335	5731686	34.128 ug/ml
6) T n-Tetradecane (C14)	8.541	5947577	37.759 ug/ml
7) T n-Hexadecane (C16)	10.156	6103596	37.345 ug/ml
8) T n-Octadecane (C18)	11.606	5920881	35.784 ug/ml
10) T n-Eicosane (C20)	12.923	6087850	38.187 ug/ml
11) T n-Heneicosane (C21)	13.537	5772464	36.844 ug/ml
13) T n-Docosane (C22)	14.126	5832653	37.270 ug/ml
14) T n-Tetracosane (C24)	15.217	12093277	76.895 ug/ml
15) T n-Hexacosane (C26)	16.260	5390109	34.800 ug/ml
16) T n-Octacosane (C28)	17.212	5696230	37.240 ug/ml
17) T n-Tricontane (C30)	18.106	5443899	34.875 ug/mlm
18) T n-Dotriacontane (C32)	18.940	5197396	33.966 ug/mlm
19) T n-Tetratriacontane (C34)	19.727	5263564	36.999 ug/ml
20) T n-Hexatriacontane (C36)	20.471	4779728	38.349 ug/ml
21) T n-Octatriacontane (C38)	21.218	4894358	44.778 ug/mlm
22) T n-Tetracontane (C40)	22.148	6746583	67.071 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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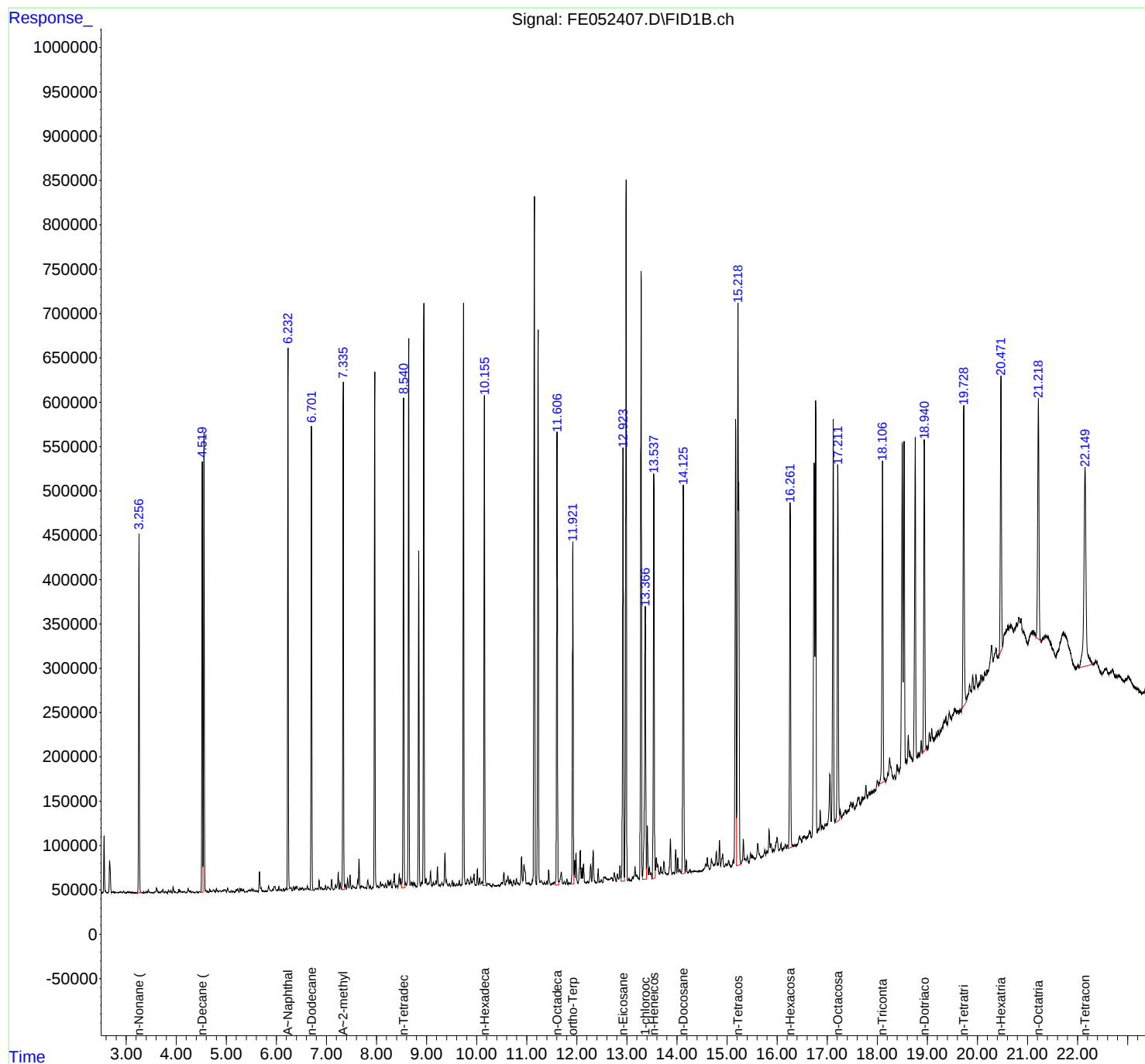
Instrument :
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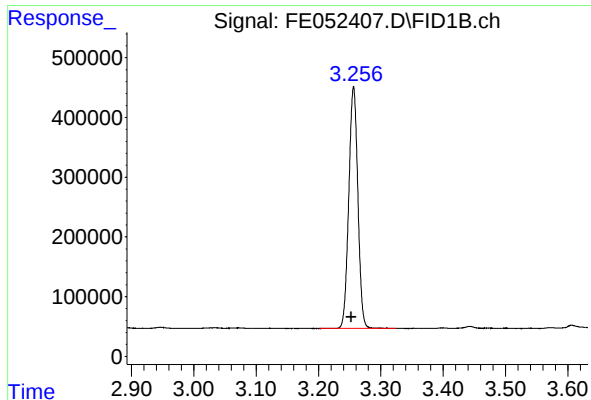
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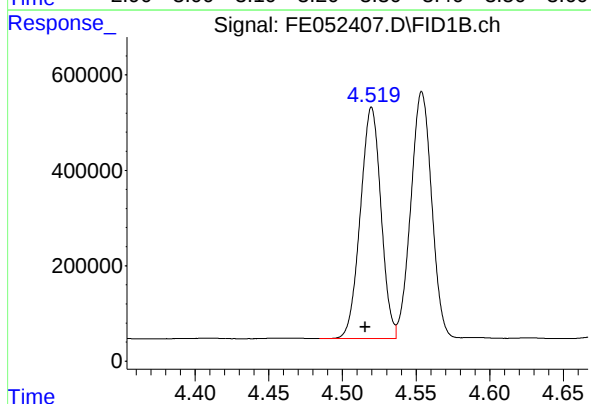
#1 n-Nonane (C9)

R.T.: 3.256 min
Delta R.T.: 0.003 min
Response: 4096926
Conc: 26.69 ug/ml

Instrument :
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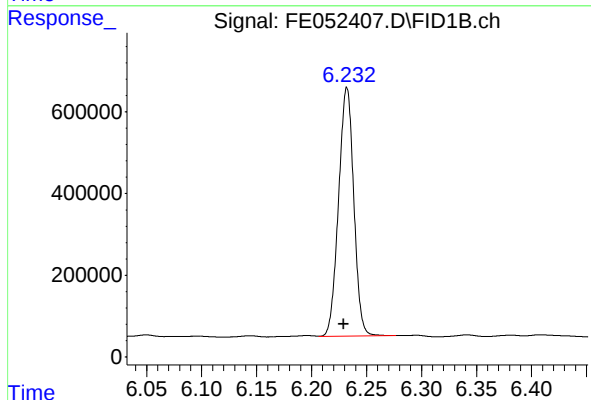
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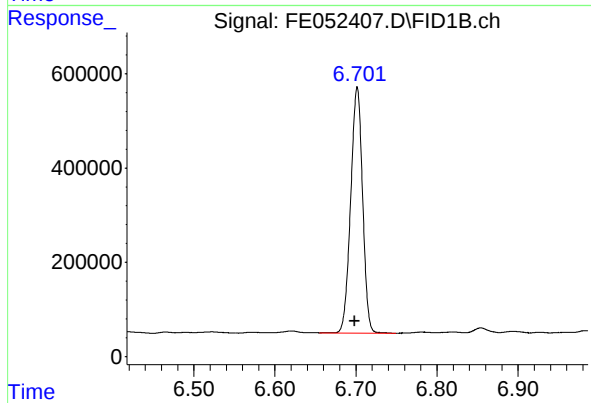
#2 n-Decane (C10)

R.T.: 4.520 min
Delta R.T.: 0.004 min
Response: 4729659
Conc: 30.28 ug/ml



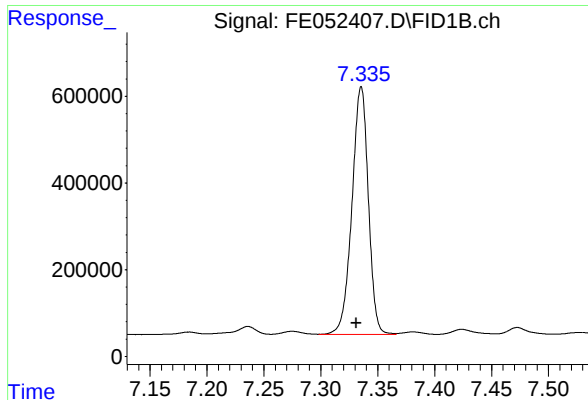
#3 A~Naphthalene (C11.7)

R.T.: 6.231 min
Delta R.T.: 0.002 min
Response: 5860019
Conc: 33.92 ug/ml m



#4 n-Dodecane (C12)

R.T.: 6.701 min
Delta R.T.: 0.003 min
Response: 5327511
Conc: 33.75 ug/ml



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

R.T.: 7.335 min
Delta R.T.: 0.004 min
Response: 5731686
Conc: 34.13 ug/ml

Instrument :

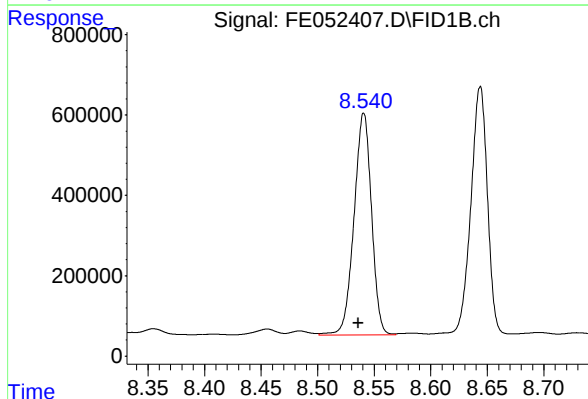
FID_E

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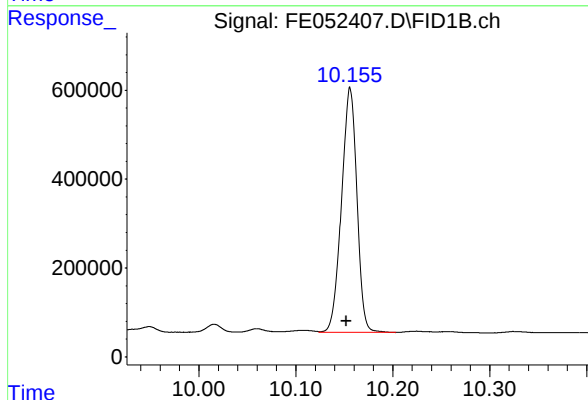
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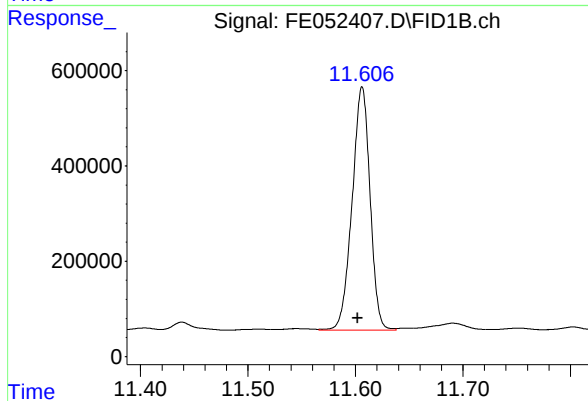
#6 n-Tetradecane (C14)

R.T.: 8.541 min
Delta R.T.: 0.005 min
Response: 5947577
Conc: 37.76 ug/ml



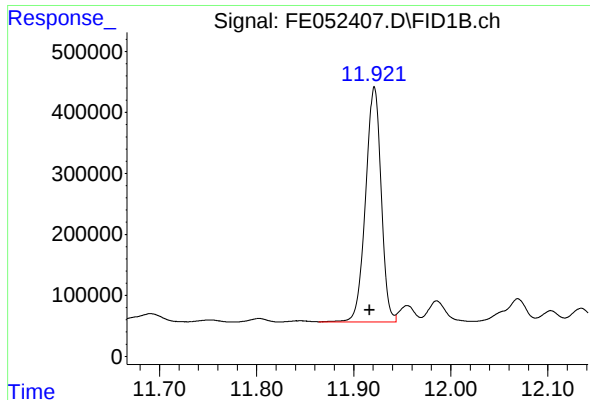
#7 n-Hexadecane (C16)

R.T.: 10.156 min
Delta R.T.: 0.004 min
Response: 6103596
Conc: 37.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.606 min
Delta R.T.: 0.004 min
Response: 5920881
Conc: 35.78 ug/ml



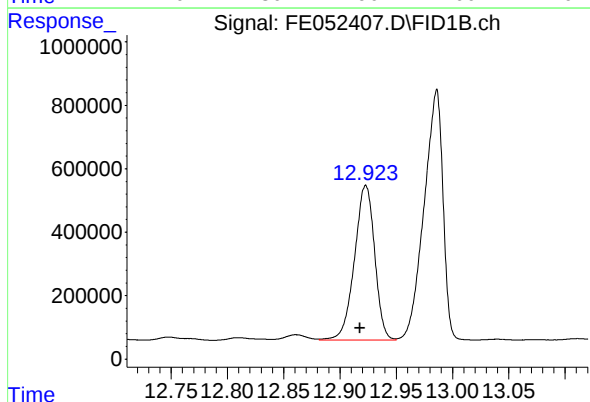
#9 ortho-Terphenyl (SURR)

R.T.: 11.921 min
Delta R.T.: 0.005 min
Response: 4278590
Conc: 22.89 ug/ml

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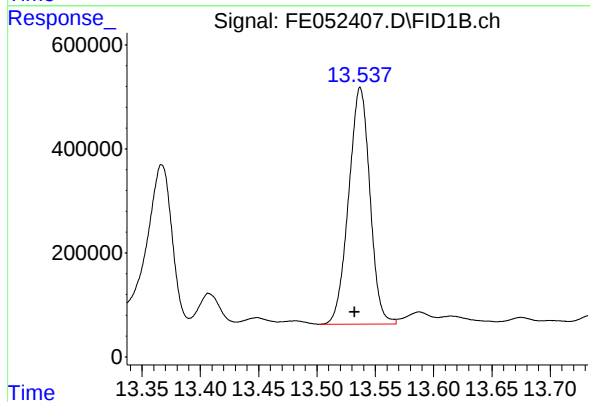
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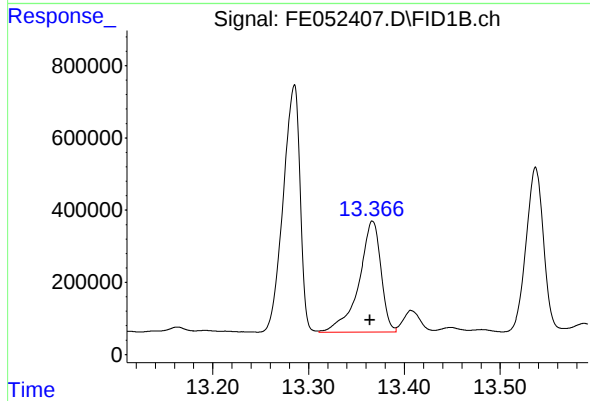
#10 n-Eicosane (C20)

R.T.: 12.923 min
Delta R.T.: 0.005 min
Response: 6087850
Conc: 38.19 ug/ml



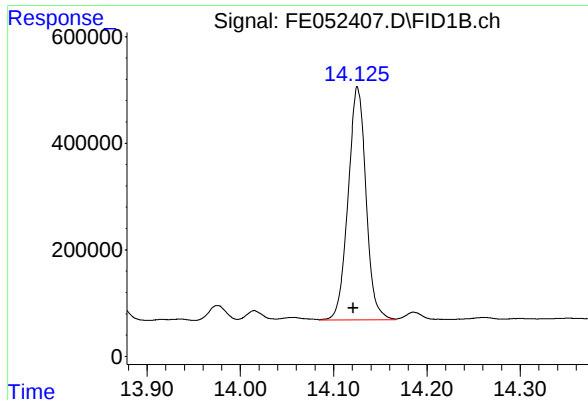
#11 n-Heneicosane (C21)

R.T.: 13.537 min
Delta R.T.: 0.005 min
Response: 5772464
Conc: 36.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.367 min
Delta R.T.: 0.003 min
Response: 4947460
Conc: 35.59 ug/ml



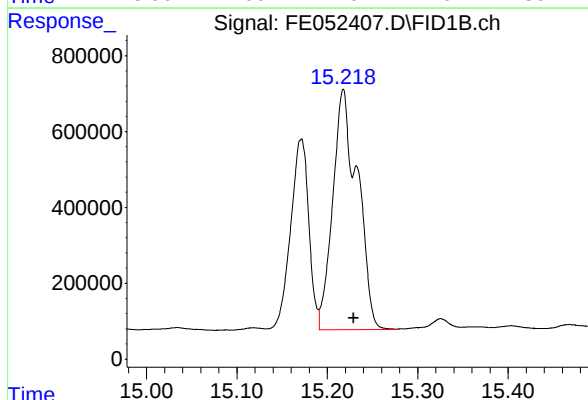
#13 n-Docosane (C22)

R.T.: 14.126 min
Delta R.T.: 0.005 min
Response: 5832653
Conc: 37.27 ug/ml

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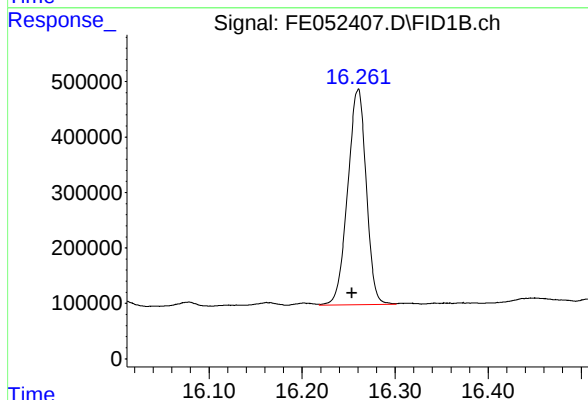
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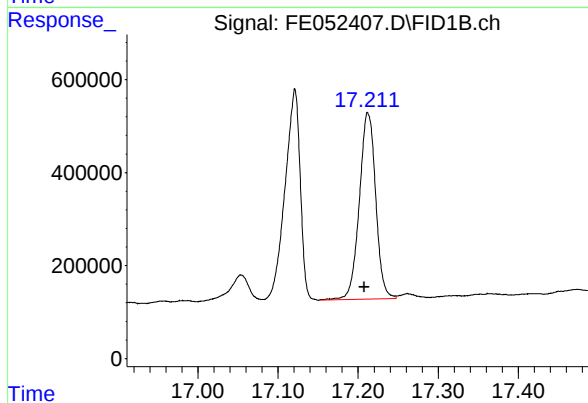
#14 n-Tetracosane (C24)

R.T.: 15.217 min
Delta R.T.: -0.012 min
Response: 12093277
Conc: 76.90 ug/ml



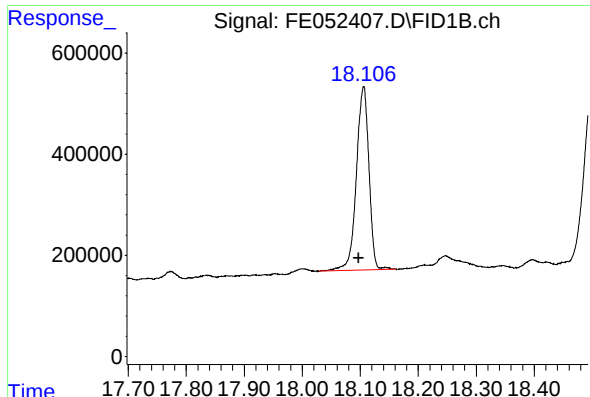
#15 n-Hexacosane (C26)

R.T.: 16.260 min
Delta R.T.: 0.006 min
Response: 5390109
Conc: 34.80 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.212 min
Delta R.T.: 0.005 min
Response: 5696230
Conc: 37.24 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.106 min
Delta R.T.: 0.009 min
Response: 5443899
Conc: 34.87 ug/ml

Instrument :

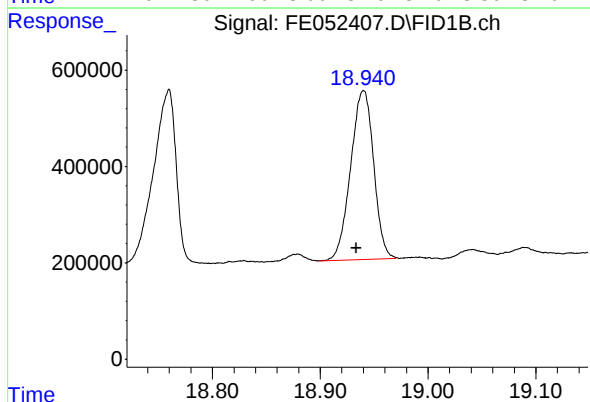
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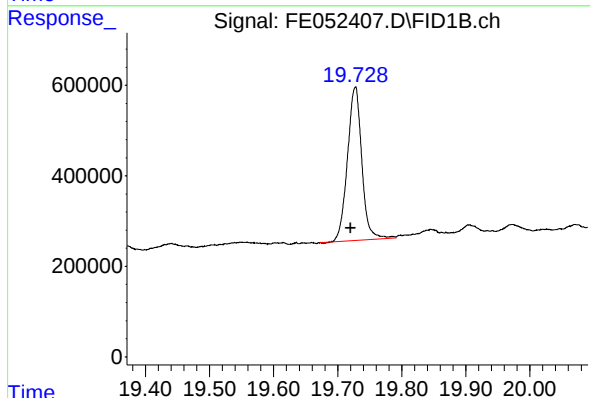
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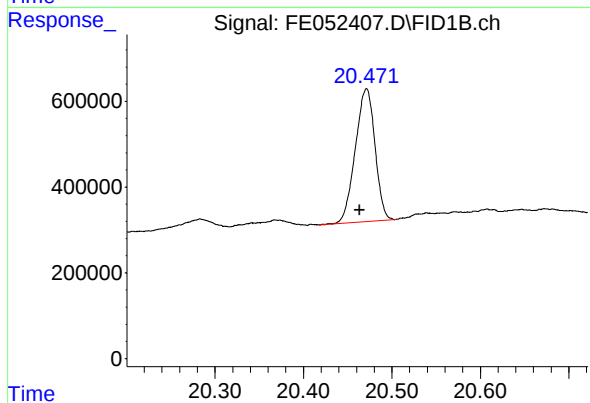
#18 n-Dotriacontane (C32)

R.T.: 18.940 min
Delta R.T.: 0.006 min
Response: 5197396
Conc: 33.97 ug/ml



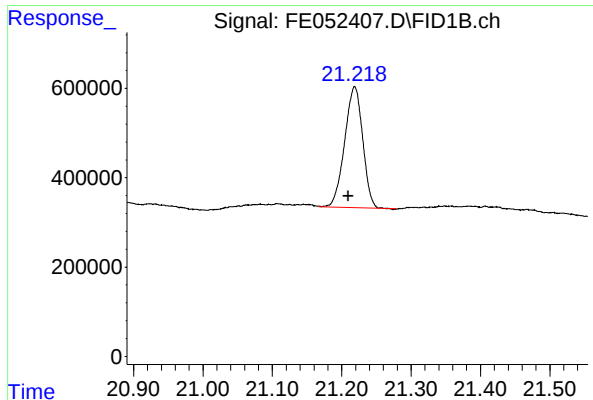
#19 n-Tetratriacontane (C34)

R.T.: 19.727 min
Delta R.T.: 0.007 min
Response: 5263564
Conc: 37.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.471 min
Delta R.T.: 0.007 min
Response: 4779728
Conc: 38.35 ug/ml



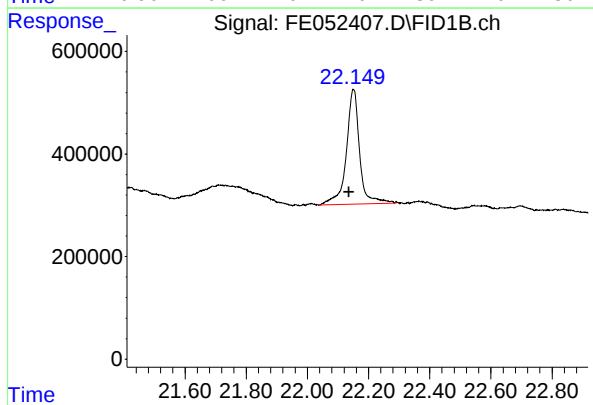
#21 n-Octatriacontane (C38)

R.T.: 21.218 min
Delta R.T.: 0.009 min
Response: 4894358
Conc: 44.78 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.148 min
Delta R.T.: 0.013 min
Response: 6746583
Conc: 67.07 ug/ml m