

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050825AL\
 Data File : FE053734.D
 Signal(s) : FID1B.ch
 Acq On : 09 May 2025 04:04
 Operator : YP\AJ
 Sample : Q1972-17MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 SUB-WC-2MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/09/2025
 Supervised By :mohammad ahmed 05/12/2025

Integration File: autoint1.e
 Quant Time: May 09 07:49:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 29 06:49:03 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)	11.858	5241486	29.061 ug/ml
Spiked Amount 50.000		Recovery =	58.12%
12) S 1-chlorooctadecane (S...	13.303	4211776	31.158 ug/ml
Spiked Amount 50.000		Recovery =	62.32%
Target Compounds			
1) T n-Nonane (C9)	3.209	3723020	27.155 ug/ml
2) T n-Decane (C10)	4.469	4344033	31.402 ug/mlm
3) T A~Naphthalene (C11.7)	6.179	5293590	35.070 ug/ml
4) T n-Dodecane (C12)	6.648	4878122	34.782 ug/ml
5) T A~2-methylnaphthalene...	7.281	5062521	33.908 ug/ml
6) T n-Tetradecane (C14)	8.485	5348233	38.123 ug/ml
7) T n-Hexadecane (C16)	10.097	5510687	38.450 ug/ml
8) T n-Octadecane (C18)	11.545	5566328	38.195 ug/ml
10) T n-Eicosane (C20)	12.859	5664344	38.927 ug/ml
11) T n-Heneicosane (C21)	13.472	5393693	37.238 ug/ml
13) T n-Docosane (C22)	14.060	5335750	36.976 ug/mlm
14) T n-Tetracosane (C24)	15.155	10705931	74.533 ug/ml
15) T n-Hexacosane (C26)	16.188	5103957	36.037 ug/ml
16) T n-Octacosane (C28)	17.140	5250641	37.740 ug/ml
17) T n-Tricontane (C30)	18.030	5006723	35.969 ug/mlm
18) T n-Dotriacontane (C32)	18.862	4975596	36.237 ug/ml
19) T n-Tetratriacontane (C34)	19.647	5028314	38.592 ug/ml
20) T n-Hexatriacontane (C36)	20.388	4924024	39.003 ug/ml
21) T n-Octatriacontane (C38)	21.120	4948621	40.619 ug/mlm
22) T n-Tetracontane (C40)	22.021	5056541	42.342 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 27 Sample Multiplier: 1

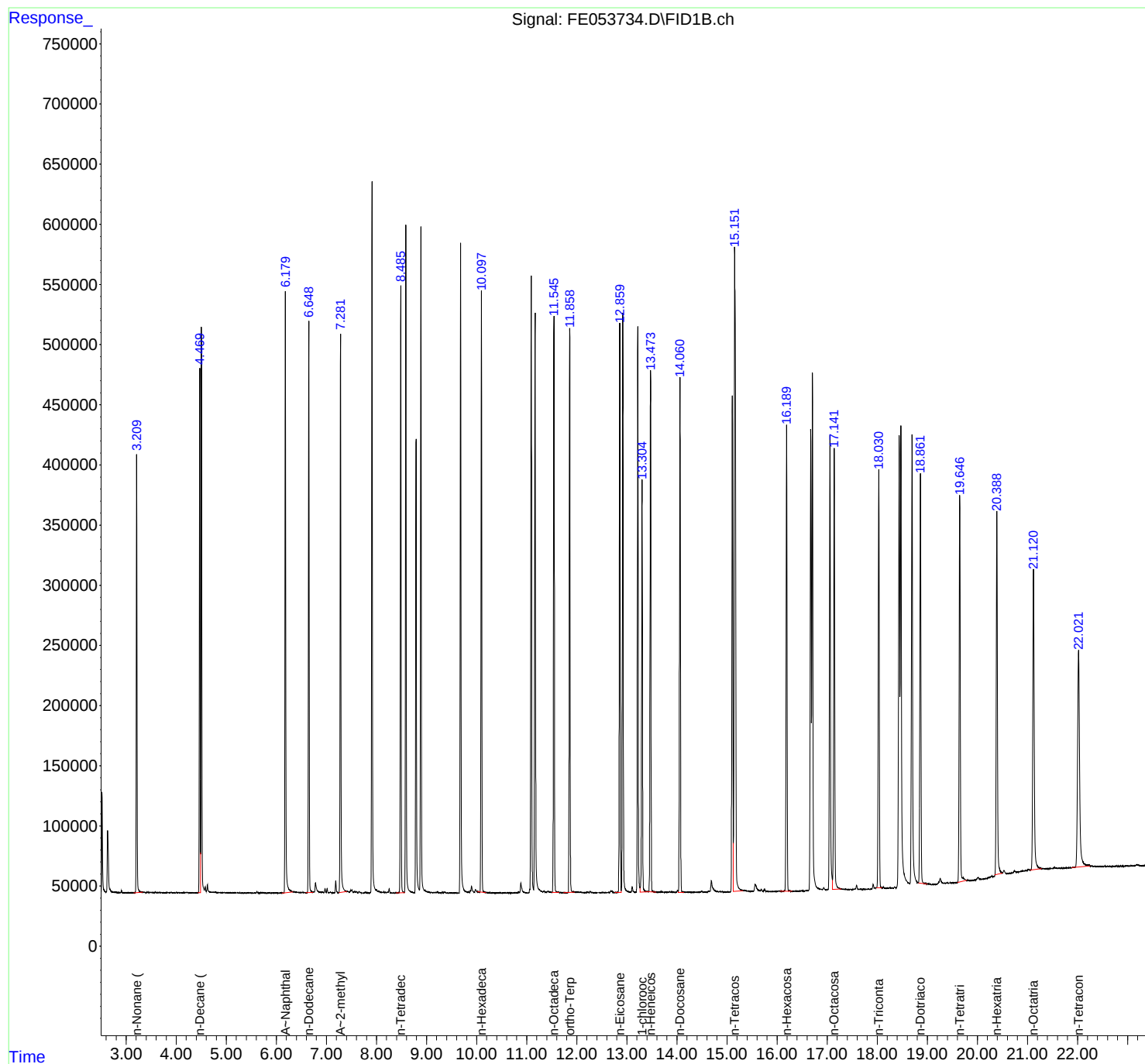
Instrument :
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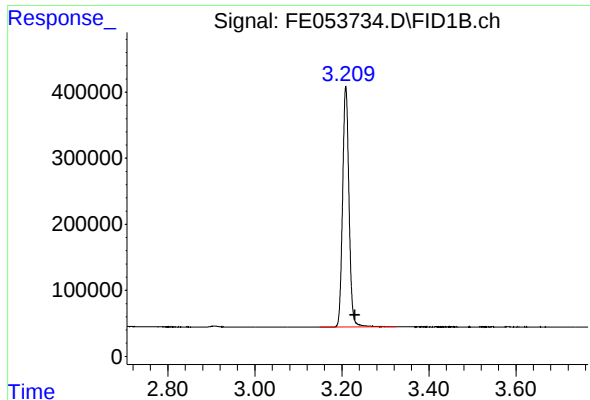
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#1 n-Nonane (C9)

R.T.: 3.209 min
Delta R.T.: -0.021 min
Response: 3723020
Conc: 27.15 ug/ml

Instrument :

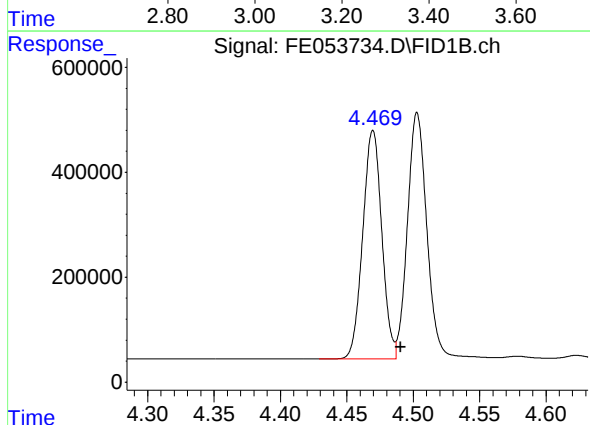
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ClientSampleId :

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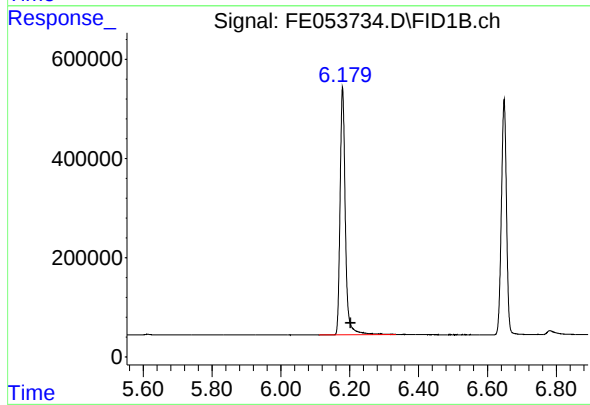
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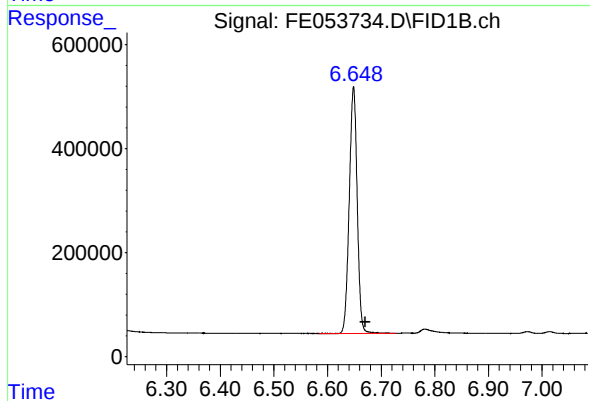
#2 n-Decane (C10)

R.T.: 4.469 min
Delta R.T.: -0.021 min
Response: 4344033
Conc: 31.40 ug/ml



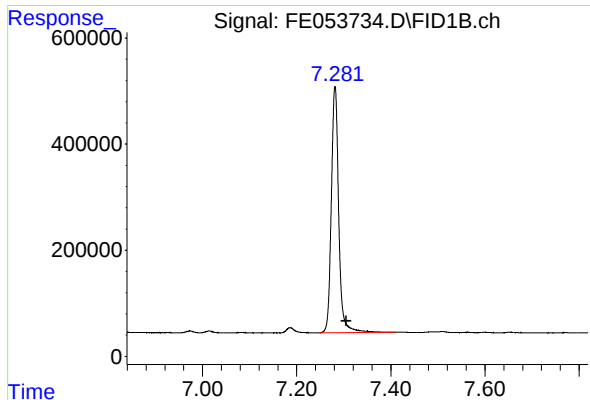
#3 A~Naphthalene (C11.7)

R.T.: 6.179 min
Delta R.T.: -0.024 min
Response: 5293590
Conc: 35.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.648 min
Delta R.T.: -0.022 min
Response: 4878122
Conc: 34.78 ug/ml



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

R.T.: 7.281 min
Delta R.T.: -0.024 min
Response: 5062521
Conc: 33.91 ug/ml

Instrument :

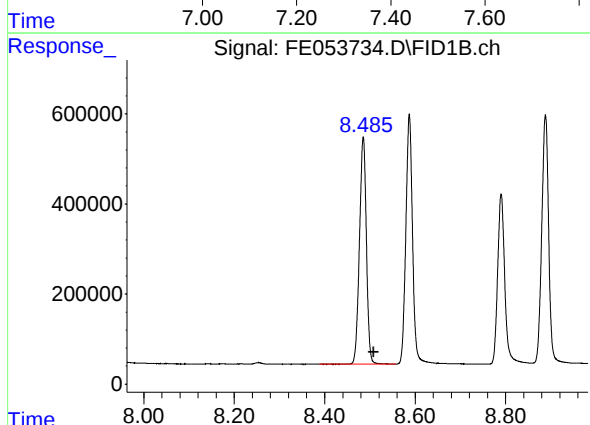
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ClientSampleId :

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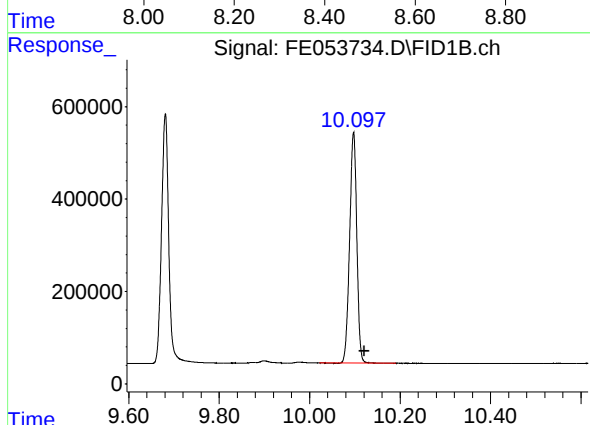
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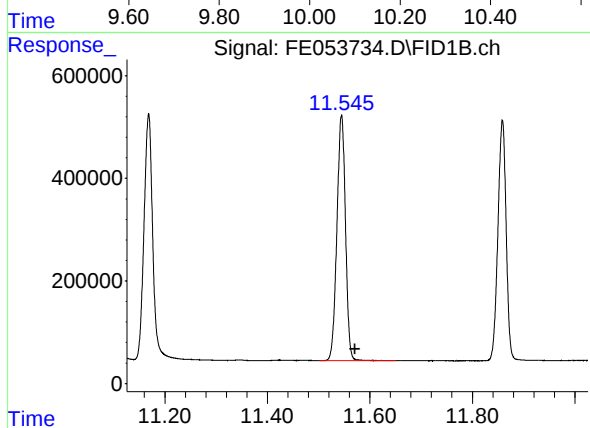
#6 n-Tetradecane (C14)

R.T.: 8.485 min
Delta R.T.: -0.023 min
Response: 5348233
Conc: 38.12 ug/ml



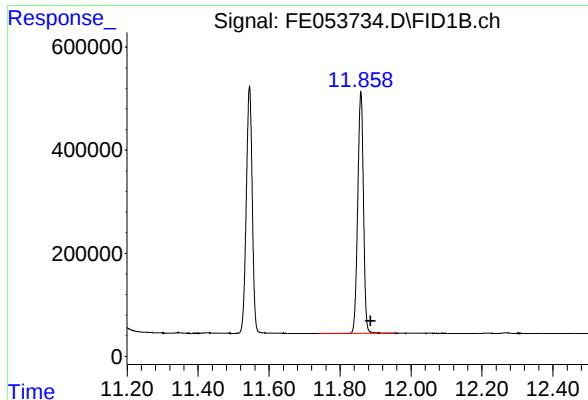
#7 n-Hexadecane (C16)

R.T.: 10.097 min
Delta R.T.: -0.024 min
Response: 5510687
Conc: 38.45 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.545 min
Delta R.T.: -0.026 min
Response: 5566328
Conc: 38.20 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.858 min
Delta R.T.: -0.027 min
Response: 5241486
Conc: 29.06 ug/ml

Instrument :

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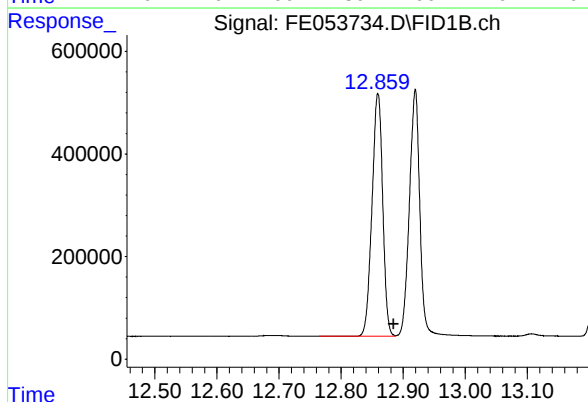
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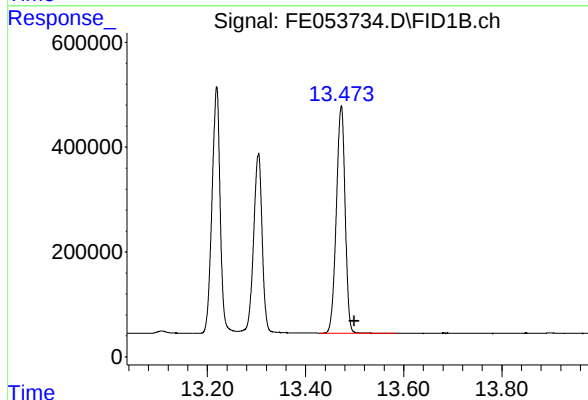
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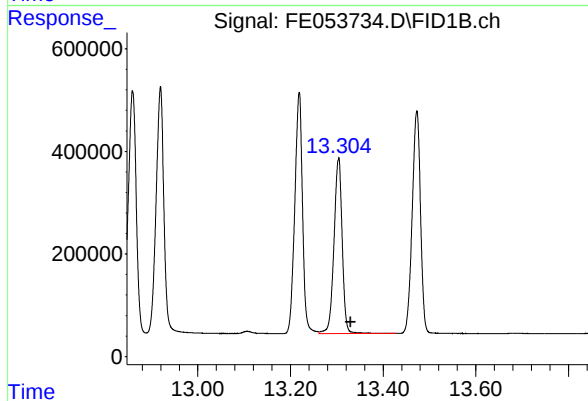
#10 n-Eicosane (C20)

R.T.: 12.859 min
Delta R.T.: -0.026 min
Response: 5664344
Conc: 38.93 ug/ml



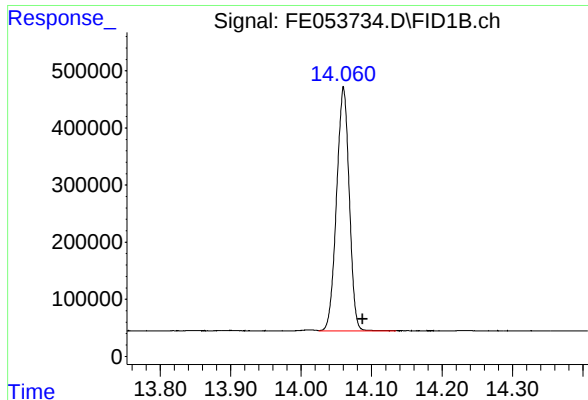
#11 n-Heneicosane (C21)

R.T.: 13.472 min
Delta R.T.: -0.027 min
Response: 5393693
Conc: 37.24 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.303 min
Delta R.T.: -0.027 min
Response: 4211776
Conc: 31.16 ug/ml



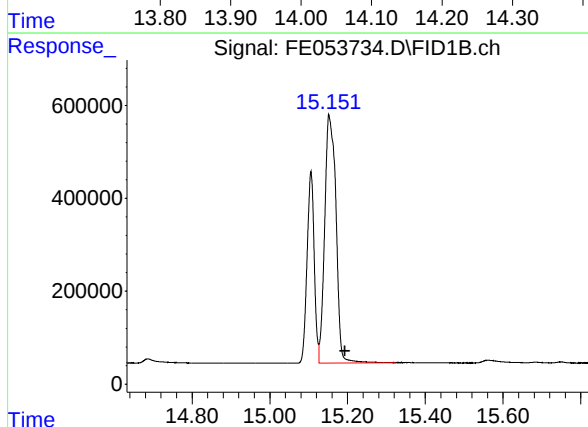
#13 n-Docosane (C22)

R.T.: 14.060 min
Delta R.T.: -0.028 min
Response: 5335750
Conc: 36.98 ug/ml

Instrument :
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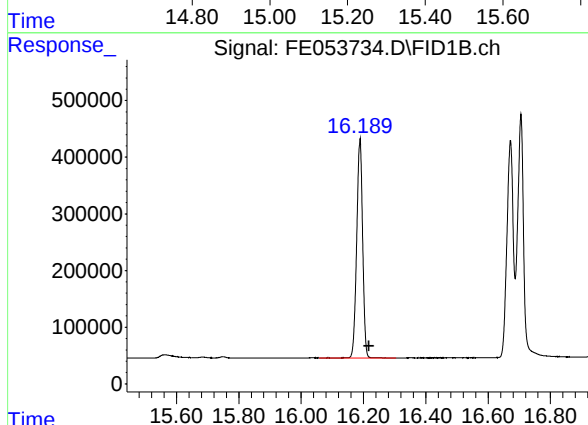
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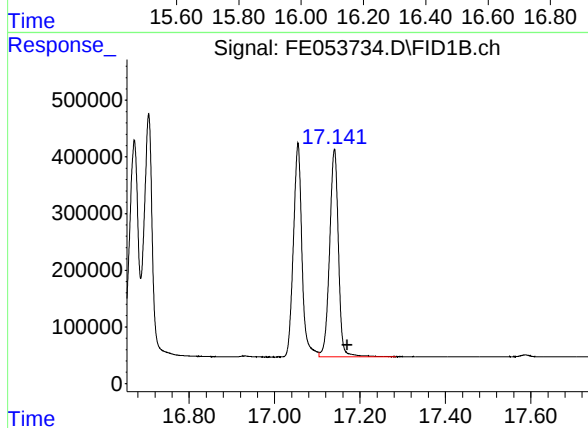
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: -0.038 min
Response: 10705931
Conc: 74.53 ug/ml



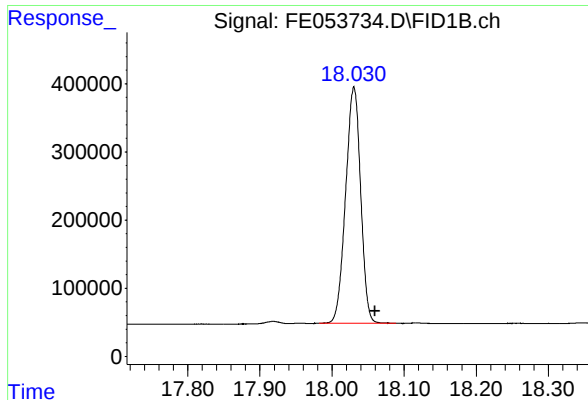
#15 n-Hexacosane (C26)

R.T.: 16.188 min
Delta R.T.: -0.029 min
Response: 5103957
Conc: 36.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.140 min
Delta R.T.: -0.030 min
Response: 5250641
Conc: 37.74 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.030 min
Delta R.T.: -0.030 min
Response: 5006723
Conc: 35.97 ug/ml

Instrument :

FID_E

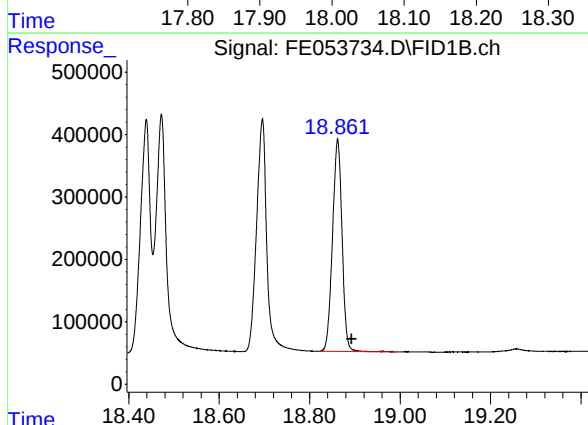
ClientSampleId :

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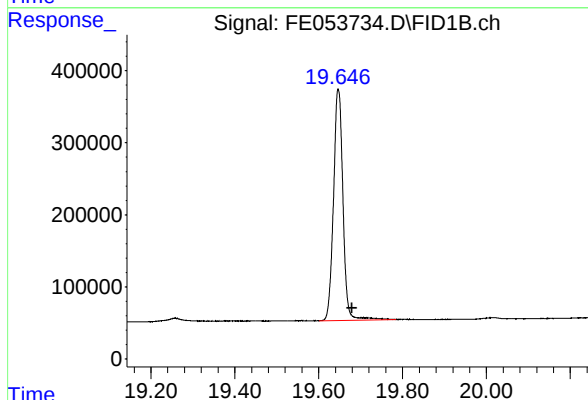
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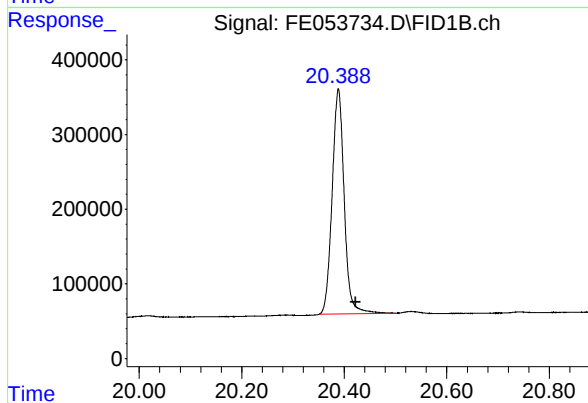
#18 n-Dotriacontane (C32)

R.T.: 18.862 min
Delta R.T.: -0.032 min
Response: 4975596
Conc: 36.24 ug/ml



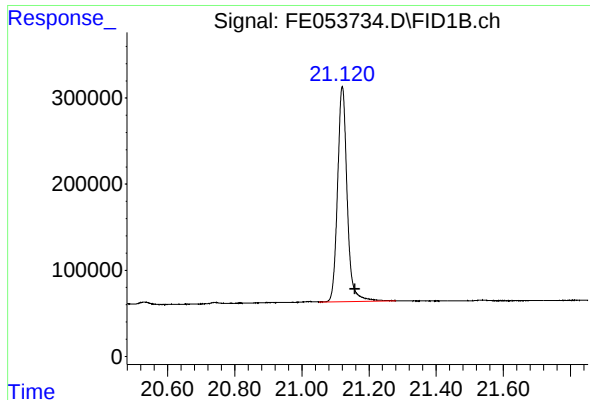
#19 n-Tetatriacontane (C34)

R.T.: 19.647 min
Delta R.T.: -0.033 min
Response: 5028314
Conc: 38.59 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.388 min
Delta R.T.: -0.034 min
Response: 4924024
Conc: 39.00 ug/ml



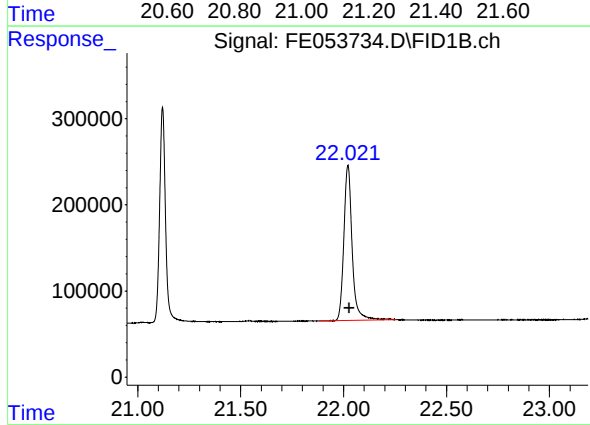
#21 n-Octatriacontane (C38)

R.T.: 21.120 min
Delta R.T.: -0.038 min
Response: 4948621
Conc: 40.62 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.021 min
Delta R.T.: -0.006 min
Response: 5056541
Conc: 42.34 ug/ml