

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012325AL\
 Data File : FE052014.D
 Signal(s) : FID1B.ch
 Acq On : 23 Jan 2025 14:04
 Operator : YP\AJ
 Sample : PB166186BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB166186BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 01/24/2025

Supervised By :Sohil Jodhani 01/24/2025

Integration File: autoint1.e

Quant Time: Jan 24 01:49:44 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 011625.M

Quant Title : GC Extractables

QLast Update : Thu Jan 16 16:05:07 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)	12.206	4876132	34.116 ug/ml
Spiked Amount 50.000		Recovery =	68.23%
12) S 1-chlorooctadecane (S...	13.620	4017497	35.022 ug/ml
Spiked Amount 50.000		Recovery =	70.04%
Target Compounds			
1) T n-Nonane (C9)	3.692	4208577	39.476 ug/ml
2) T n-Decane (C10)	4.916	4502003	41.122 ug/ml
3) T A~Naphthalene (C11.7)	6.608	5380365	44.277 ug/ml
4) T n-Dodecane (C12)	7.040	4743716	42.030 ug/ml
5) T A~2-methylnaphthalene...	7.687	5030223	42.135 ug/ml
6) T n-Tetradecane (C14)	8.847	4934253	42.424 ug/ml
7) T n-Hexadecane (C16)	10.440	4981710	39.500 ug/ml
8) T n-Octadecane (C18)	11.873	5009117	37.860 ug/ml
10) T n-Eicosane (C20)	13.175	5122465	39.075 ug/ml
11) T n-Heneicosane (C21)	13.784	4868845	37.406 ug/ml
13) T n-Docosane (C22)	14.367	4830700	36.809 ug/ml
14) T n-Tetracosane (C24)	15.469	9541529	71.832 ug/ml
15) T n-Hexacosane (C26)	16.483	4606699	34.850 ug/mlm
16) T n-Octacosane (C28)	17.428	4514328	34.203 ug/mlm
17) T n-Tricontane (C30)	18.314	4545035	33.336 ug/ml
18) T n-Dotriacontane (C32)	19.144	4602968	35.123 ug/ml
19) T n-Tetratriacontane (C34)	19.926	5024133	44.626 ug/ml
20) T n-Hexatriacontane (C36)	20.665	5523557	58.154 ug/ml
21) T n-Octatriacontane (C38)	21.454	6188121	71.636 ug/ml
22) T n-Tetracontane (C40)	22.461	6819244	82.747 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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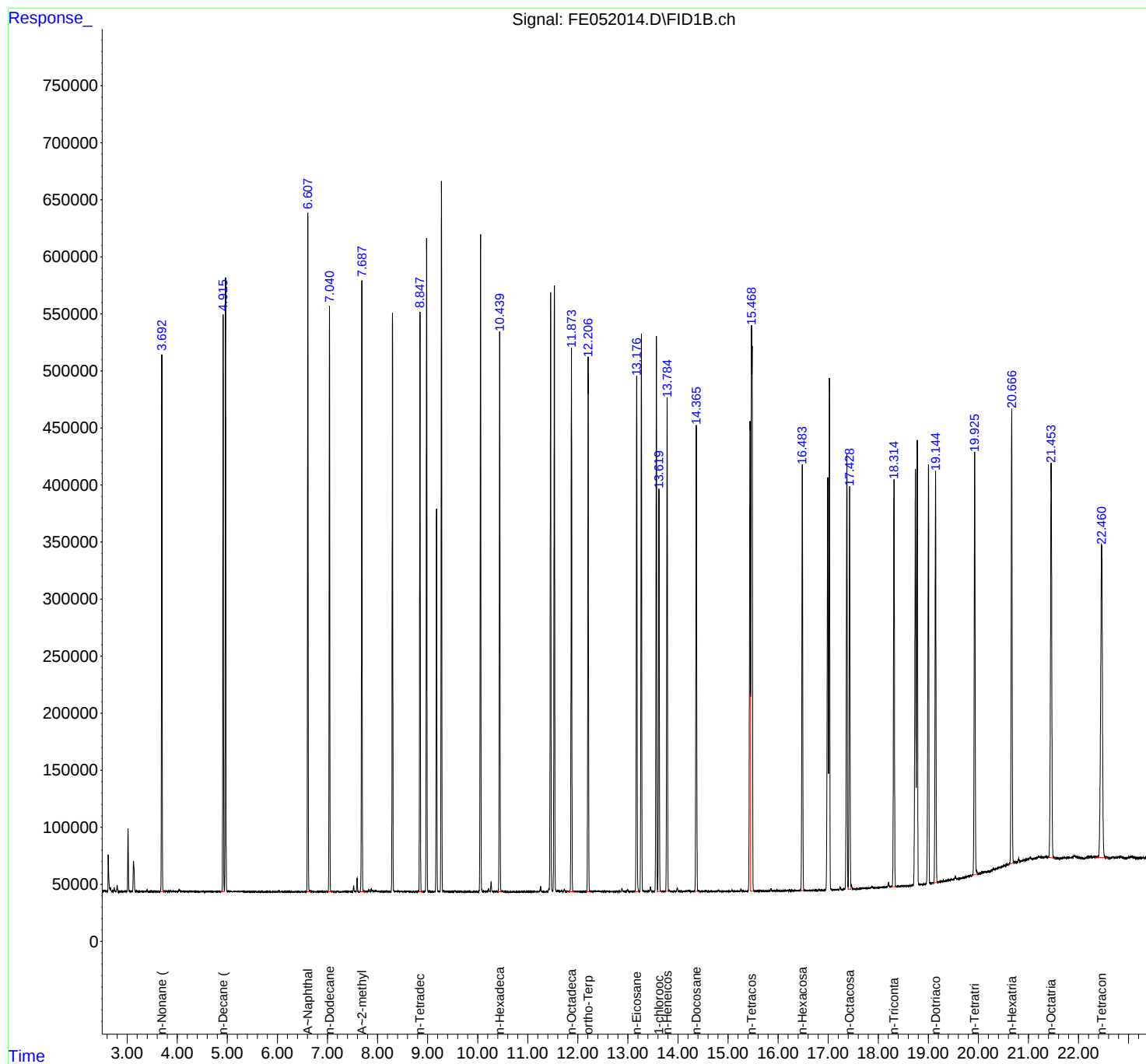
Response via : Initial Calibration

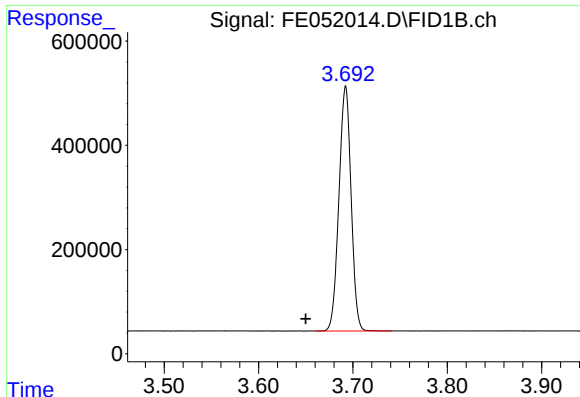
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.692 min
Delta R.T.: 0.042 min
Response: 4208577
Conc: 39.48 ug/ml

Instrument :

FID_E

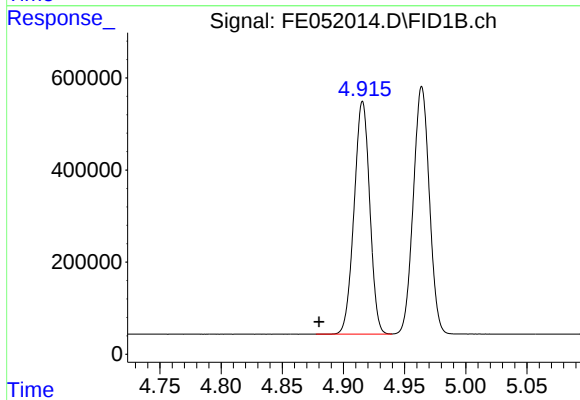
ClientSampleId :

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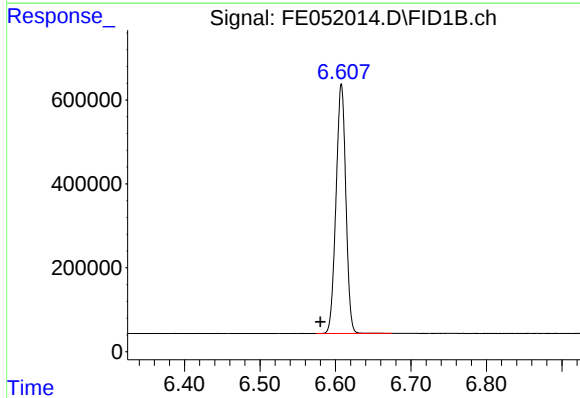
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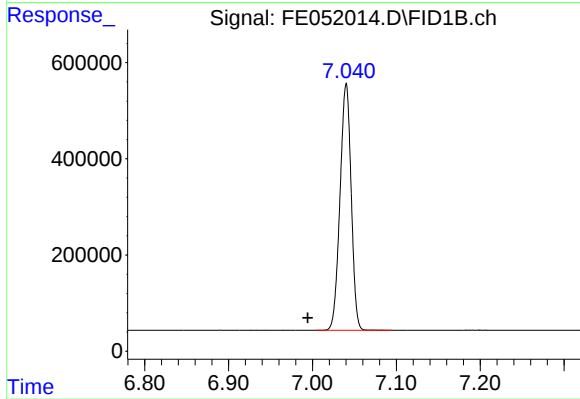
#2 n-Decane (C10)

R.T.: 4.916 min
Delta R.T.: 0.036 min
Response: 4502003
Conc: 41.12 ug/ml



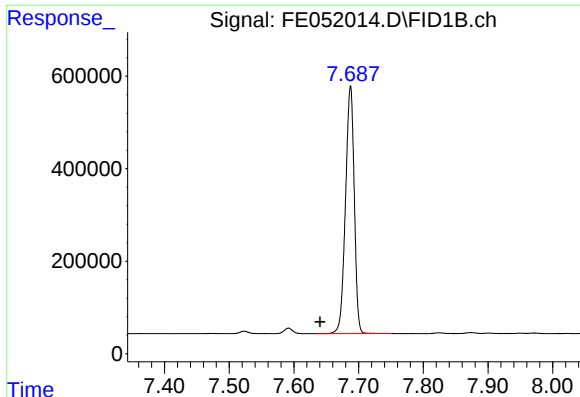
#3 A~Naphthalene (C11.7)

R.T.: 6.608 min
Delta R.T.: 0.028 min
Response: 5380365
Conc: 44.28 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.040 min
Delta R.T.: 0.046 min
Response: 4743716
Conc: 42.03 ug/ml



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

R.T.: 7.687 min
Delta R.T.: 0.047 min
Response: 5030223
Conc: 42.13 ug/ml

Instrument :

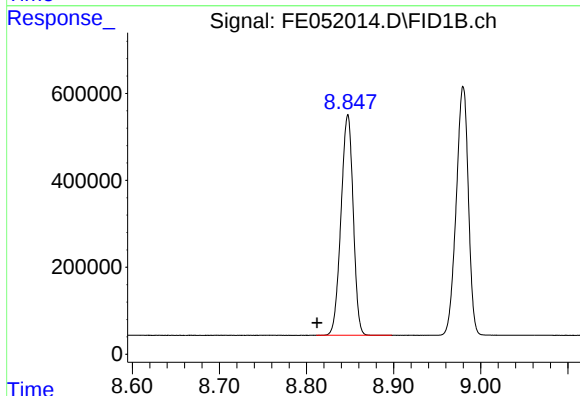
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ClientSampleId :

PB166186BS

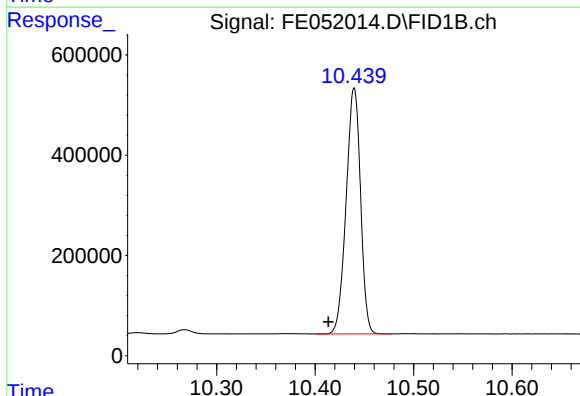
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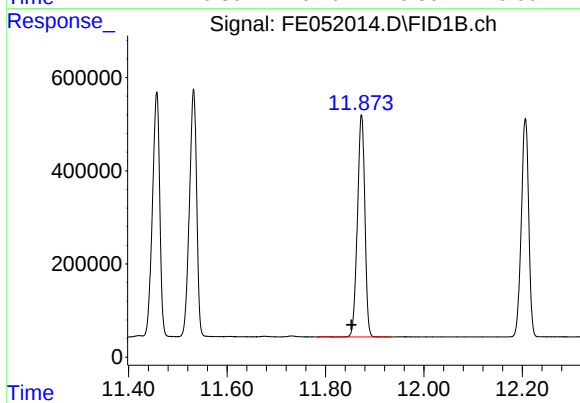
#6 n-Tetradecane (C14)

R.T.: 8.847 min
Delta R.T.: 0.035 min
Response: 4934253
Conc: 42.42 ug/ml



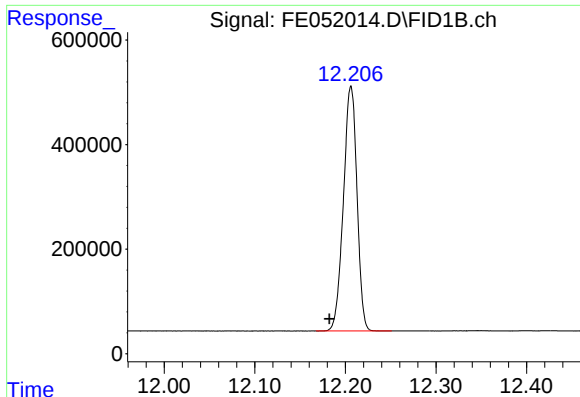
#7 n-Hexadecane (C16)

R.T.: 10.440 min
Delta R.T.: 0.026 min
Response: 4981710
Conc: 39.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.873 min
Delta R.T.: 0.021 min
Response: 5009117
Conc: 37.86 ug/ml



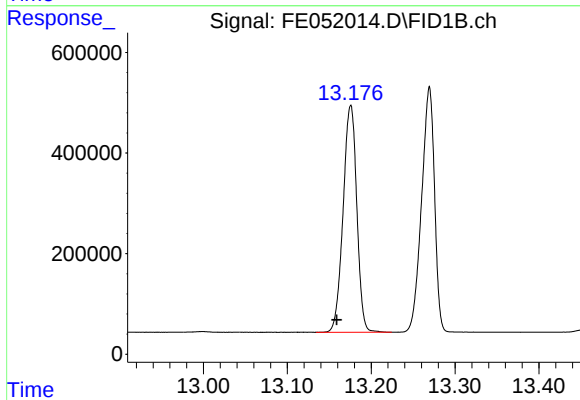
#9 ortho-Terphenyl (SURR)

R.T.: 12.206 min
Delta R.T.: 0.024 min
Response: 4876132
Conc: 34.12 ug/ml

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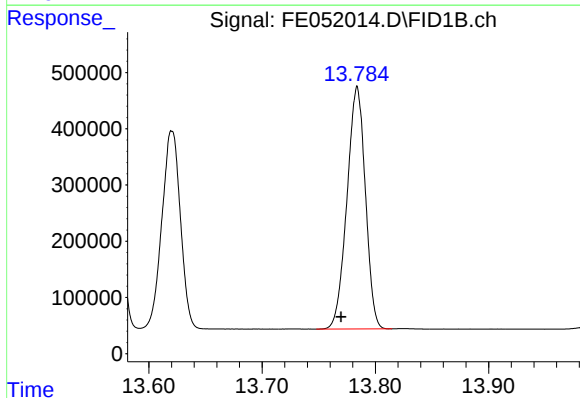
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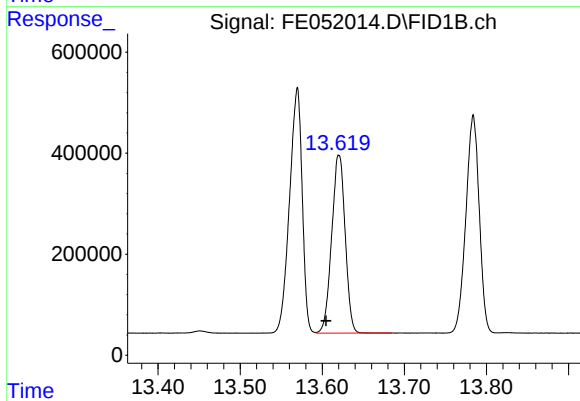
#10 n-Eicosane (C20)

R.T.: 13.175 min
Delta R.T.: 0.017 min
Response: 5122465
Conc: 39.07 ug/ml



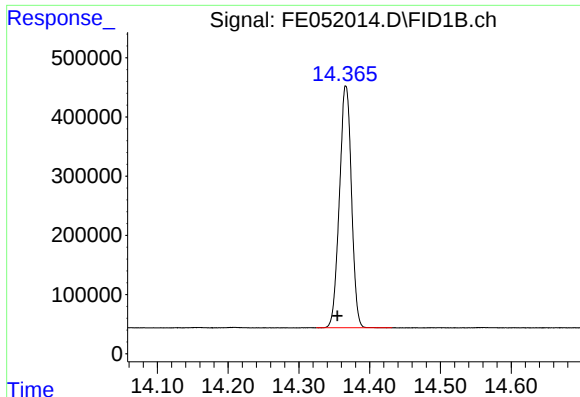
#11 n-Heneicosane (C21)

R.T.: 13.784 min
Delta R.T.: 0.014 min
Response: 4868845
Conc: 37.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.620 min
Delta R.T.: 0.016 min
Response: 4017497
Conc: 35.02 ug/ml



#13 n-Docosane (C22)

R.T.: 14.367 min
Delta R.T.: 0.012 min
Response: 4830700
Conc: 36.81 ug/ml

Instrument :

FID_E

ClientSampleId :

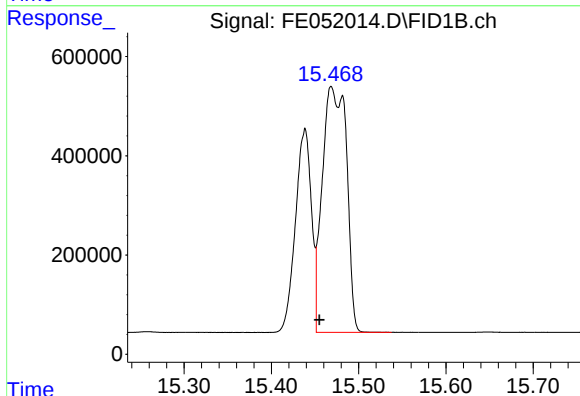
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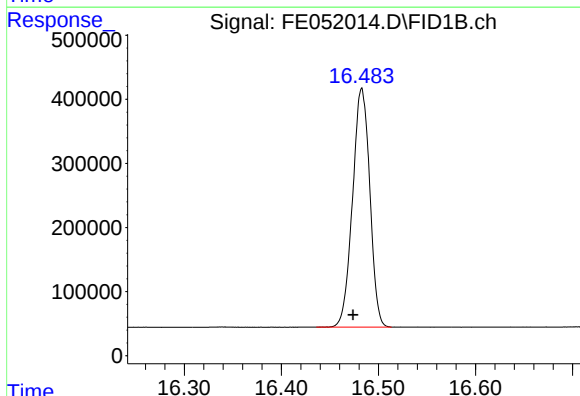
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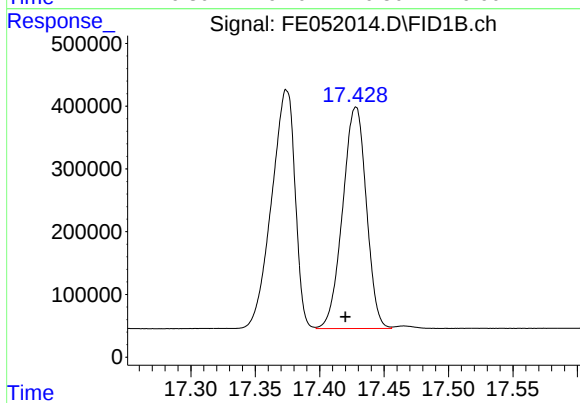
#14 n-Tetracosane (C24)

R.T.: 15.469 min
Delta R.T.: 0.014 min
Response: 9541529
Conc: 71.83 ug/ml



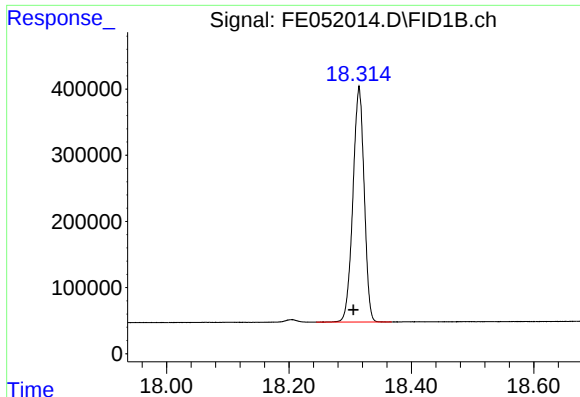
#15 n-Hexacosane (C26)

R.T.: 16.483 min
Delta R.T.: 0.009 min
Response: 4606699
Conc: 34.85 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.428 min
Delta R.T.: 0.008 min
Response: 4514328
Conc: 34.20 ug/ml m



#17 n-Tricontane (C30)

R.T.: 18.314 min
Delta R.T.: 0.009 min
Response: 4545035
Conc: 33.34 ug/ml

Instrument :

FID_E

ClientSampleId :

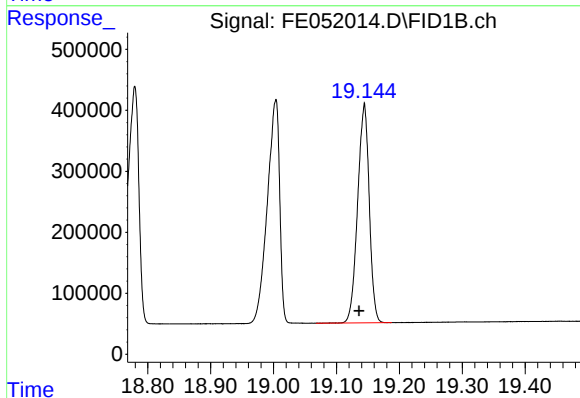
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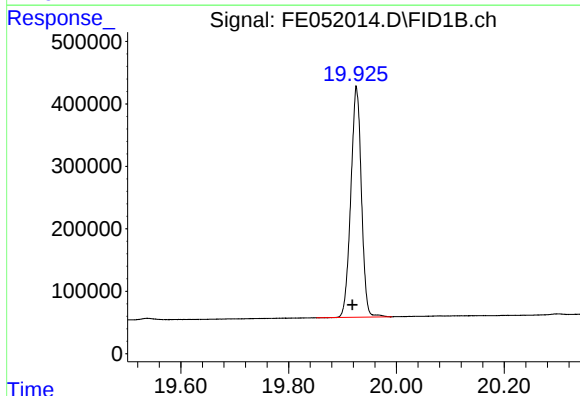
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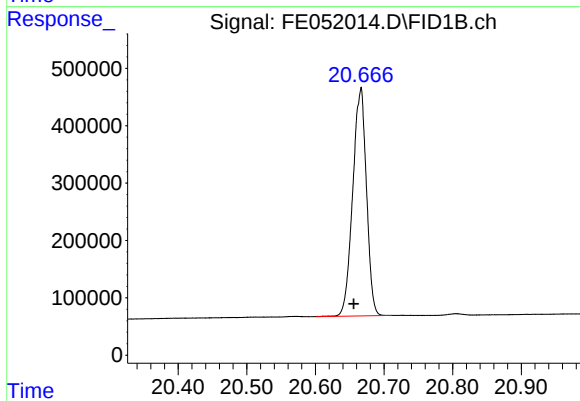
#18 n-Dotriacontane (C32)

R.T.: 19.144 min
Delta R.T.: 0.008 min
Response: 4602968
Conc: 35.12 ug/ml



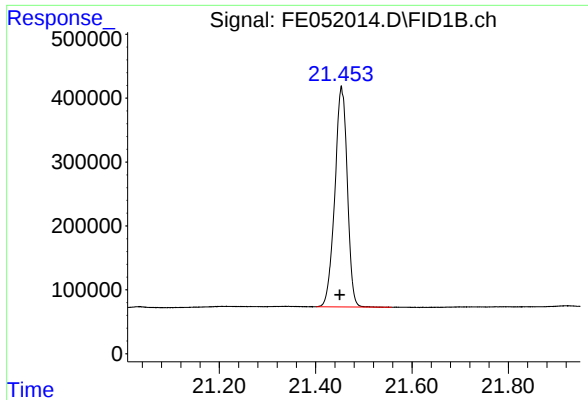
#19 n-Tetratriacontane (C34)

R.T.: 19.926 min
Delta R.T.: 0.007 min
Response: 5024133
Conc: 44.63 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.665 min
Delta R.T.: 0.010 min
Response: 5523557
Conc: 58.15 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.454 min
Delta R.T.: 0.004 min
Response: 6188121
Conc: 71.64 ug/ml

Instrument :

FID_E

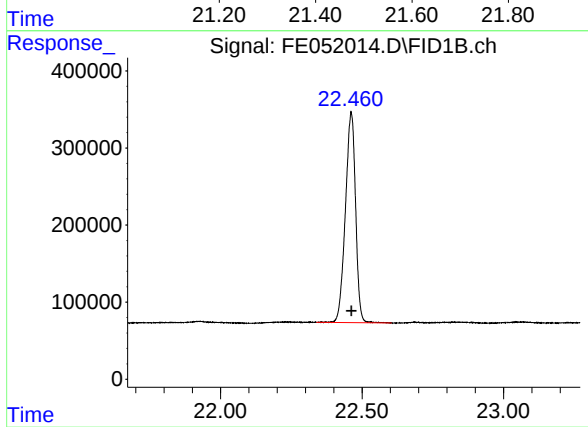
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#22 n-Tetracontane (C40)

R.T.: 22.461 min
Delta R.T.: 0.000 min
Response: 6819244
Conc: 82.75 ug/ml