

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061623AL\
 Data File : FE042669.D
 Signal(s) : FID1B.ch
 Acq On : 16 Jun 2023 20:16
 Operator : YP\AJ
 Sample : 03262-04MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

WS-SOIL2-0615MS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :Ankita Jodhani 06/19/2023

Integration File: autoint1.e

Quant Time: Jun 17 01:08:39 2023

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051823.M

Quant Title : GC Extractables

QLast Update : Thu May 18 06:27:12 2023

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)	11.937	7639148	43.262 ug/ml
Spiked Amount 50.000		Recovery =	86.52%
12) S 1-chlorooctadecane (S...	13.372	5973912	44.958 ug/ml
Spiked Amount 50.000		Recovery =	89.92%
Target Compounds			
1) T n-Nonane (C9)	3.322	6953690	48.223 ug/ml
2) T n-Decane (C10)	4.572	8045677	54.349 ug/mlm
3) T A~Naphthalene (C11.7)	6.276	9170974	56.208 ug/ml
4) T n-Dodecane (C12)	6.738	8760303	58.420 ug/ml
5) T A~2-methylnaphthalene...	7.374	9086328	57.254 ug/ml
6) T n-Tetradecane (C14)	8.569	9144850	61.044 ug/ml
7) T n-Hexadecane (C16)	10.175	10174621	65.318 ug/ml
8) T n-Octadecane (C18)	11.619	10806217	68.336 ug/ml
10) T n-Eicosane (C20)	12.931	11194756	73.853 ug/ml
11) T n-Heneicosane (C21)	13.542	10877074	73.418 ug/ml
13) T n-Docosane (C22)	14.128	10909066	74.415 ug/ml
14) T n-Tetracosane (C24)	15.228	21485664	148.838 ug/ml
15) T n-Hexacosane (C26)	16.255	10844994	78.304 ug/ml
16) T n-Octacosane (C28)	17.203	10529122	78.644 ug/ml
17) T n-Tricontane (C30)	18.093	10307037	76.353 ug/ml
18) T n-Dotriacontane (C32)	18.923	9687012	72.513 ug/ml
19) T n-Tetratriacontane (C34)	19.705	9307513	70.774 ug/ml
20) T n-Hexatriacontane (C36)	20.445	8528395	65.617 ug/ml
21) T n-Octatriacontane (C38)	21.191	8196467	60.413 ug/ml
22) T n-Tetracontane (C40)	22.115	8047842	57.849 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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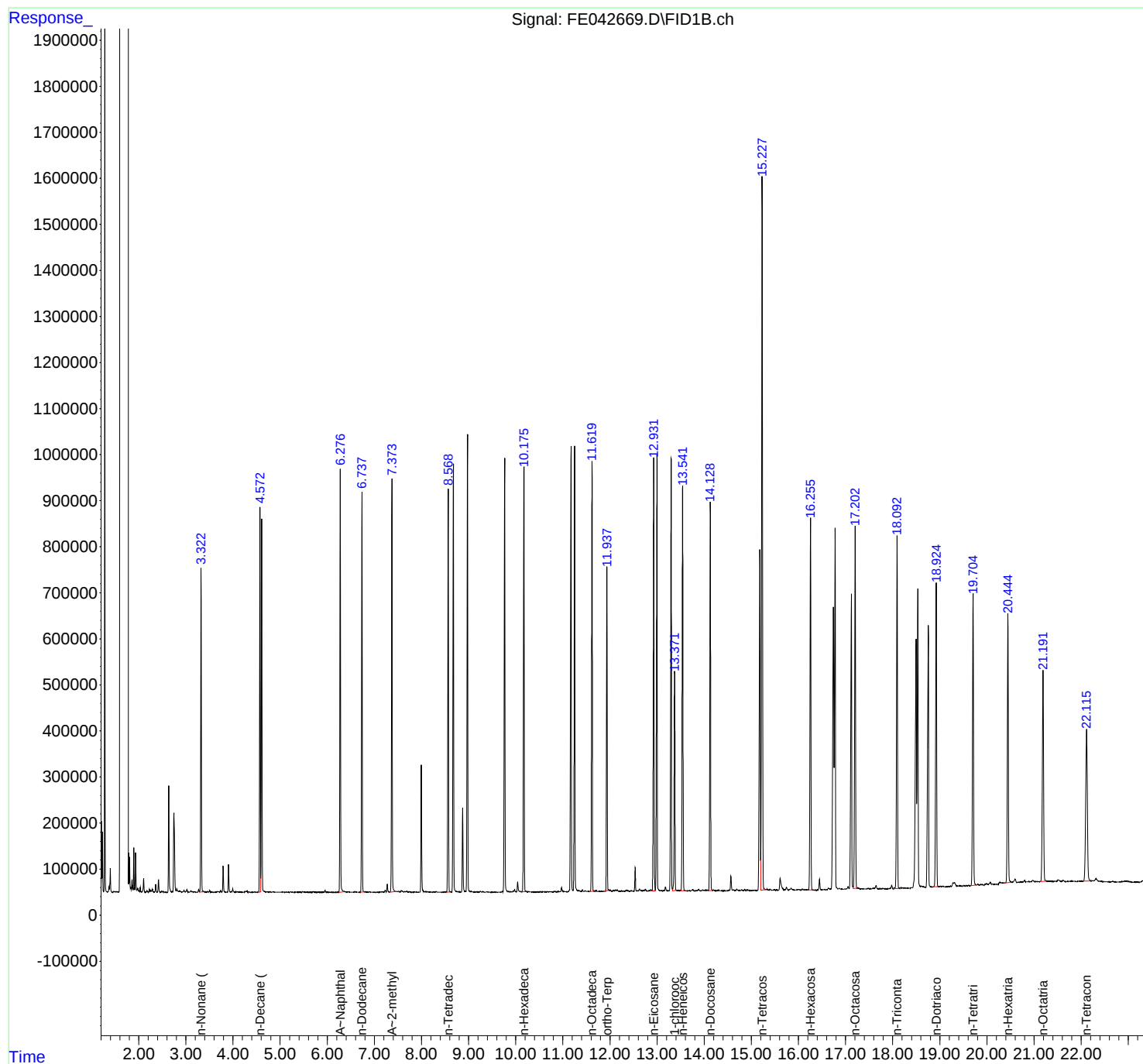
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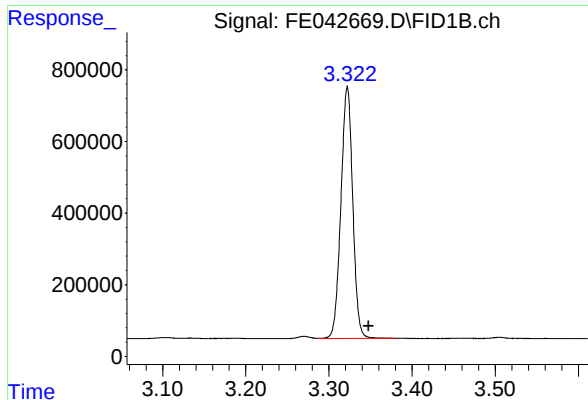
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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.322 min
Delta R.T.: -0.026 min
Response: 6953690
Conc: 48.22 ug/ml

Instrument :

FID_E

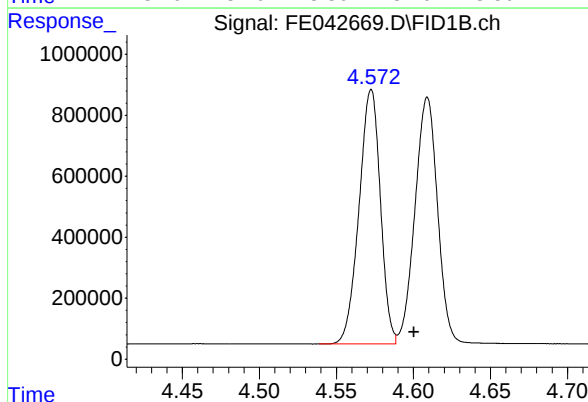
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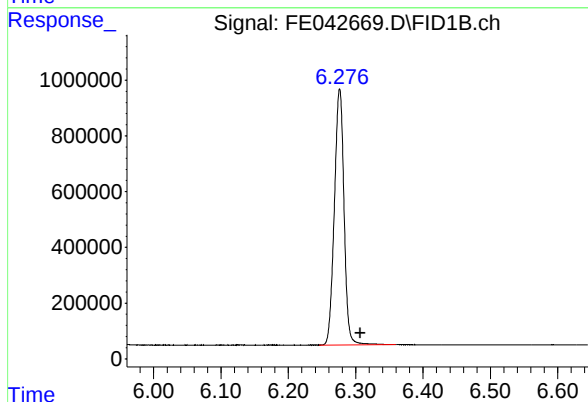
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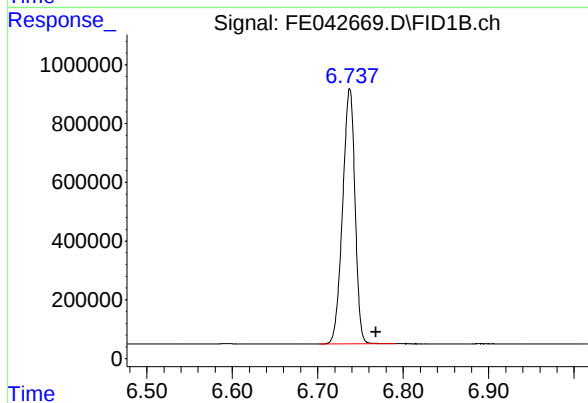
#2 n-Decane (C10)

R.T.: 4.572 min
Delta R.T.: -0.028 min
Response: 8045677
Conc: 54.35 ug/ml



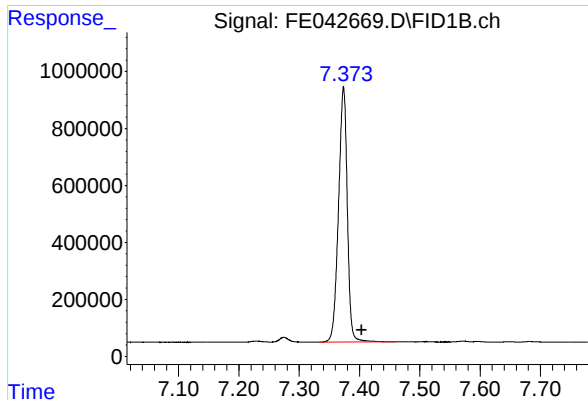
#3 A~Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: -0.030 min
Response: 9170974
Conc: 56.21 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.738 min
Delta R.T.: -0.031 min
Response: 8760303
Conc: 58.42 ug/ml



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

R.T.: 7.374 min
Delta R.T.: -0.030 min
Response: 9086328
Conc: 57.25 ug/ml

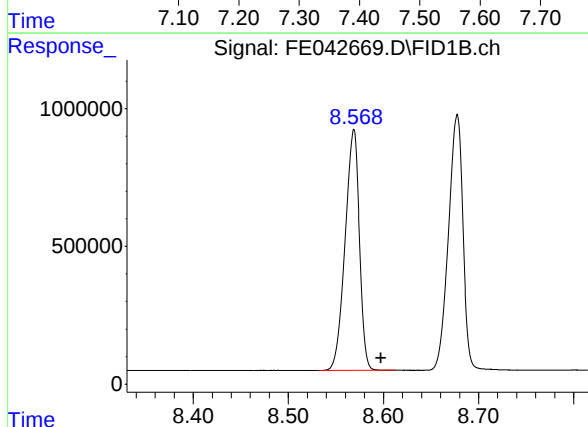
Instrument :

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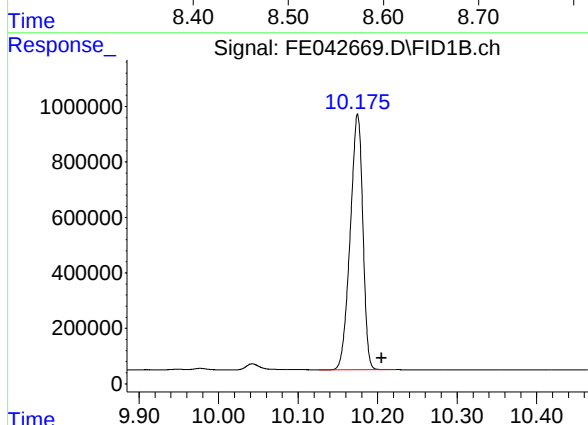
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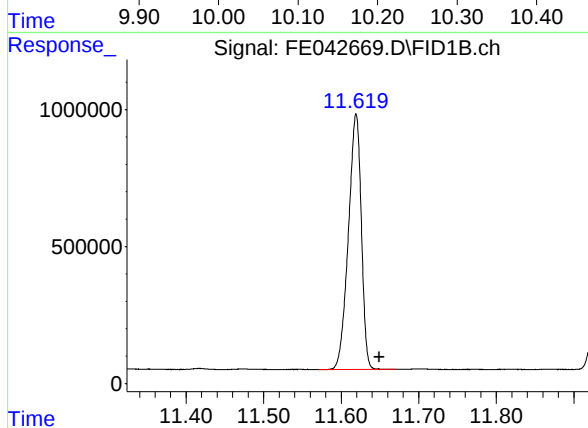
#6 n-Tetradecane (C14)

R.T.: 8.569 min
Delta R.T.: -0.028 min
Response: 9144850
Conc: 61.04 ug/ml



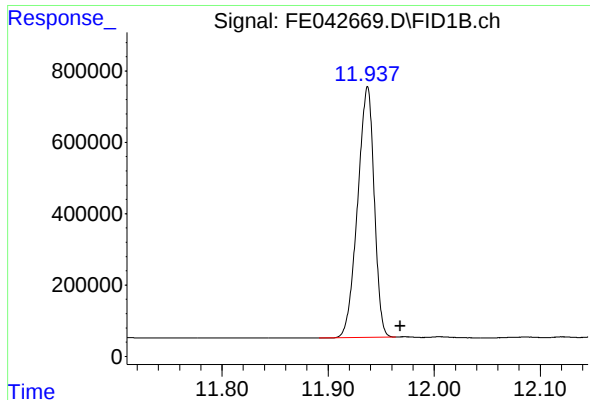
#7 n-Hexadecane (C16)

R.T.: 10.175 min
Delta R.T.: -0.030 min
Response: 10174621
Conc: 65.32 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.619 min
Delta R.T.: -0.030 min
Response: 10806217
Conc: 68.34 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.937 min
Delta R.T.: -0.031 min
Response: 7639148
Conc: 43.26 ug/ml

Instrument :

FID_E

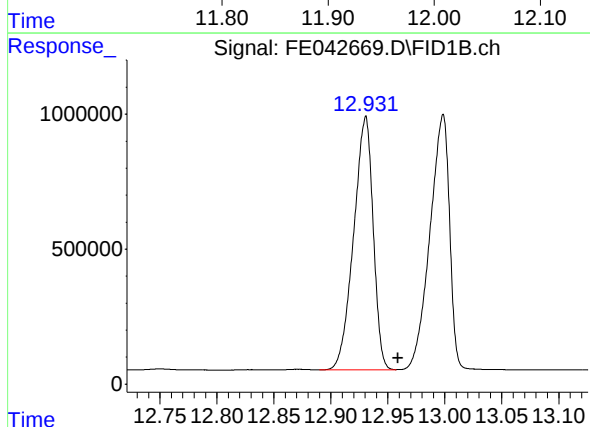
ClientSampleId :

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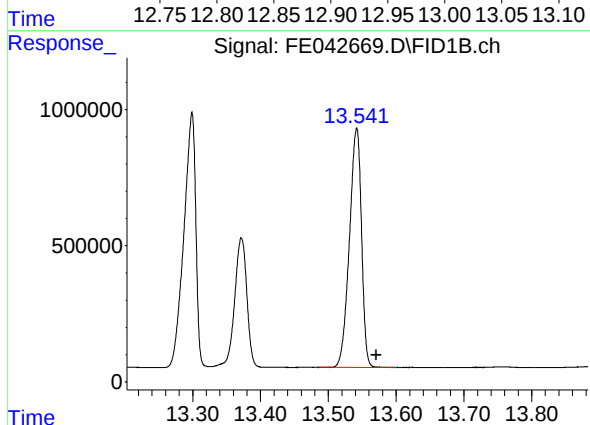
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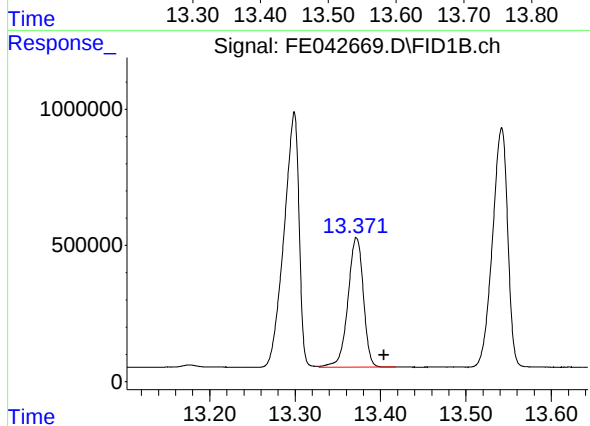
#10 n-Eicosane (C20)

R.T.: 12.931 min
Delta R.T.: -0.029 min
Response: 11194756
Conc: 73.85 ug/ml



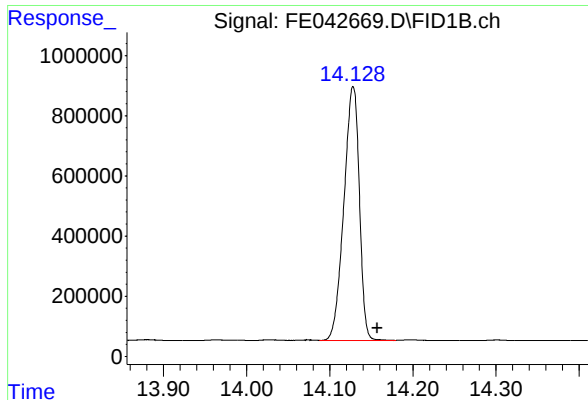
#11 n-Heneicosane (C21)

R.T.: 13.542 min
Delta R.T.: -0.029 min
Response: 10877074
Conc: 73.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.372 min
Delta R.T.: -0.032 min
Response: 5973912
Conc: 44.96 ug/ml



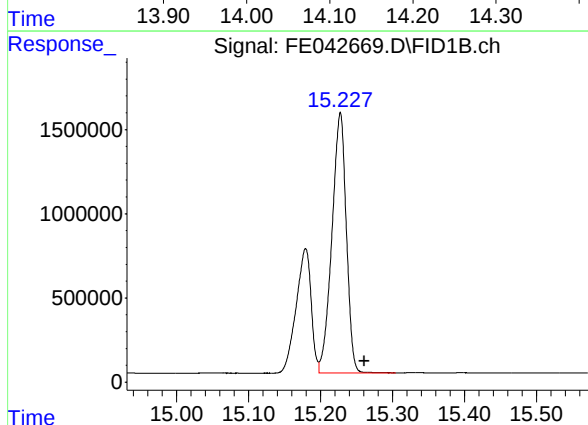
#13 n-Docosane (C22)

R.T.: 14.128 min
Delta R.T.: -0.029 min
Response: 10909066
Conc: 74.42 ug/ml

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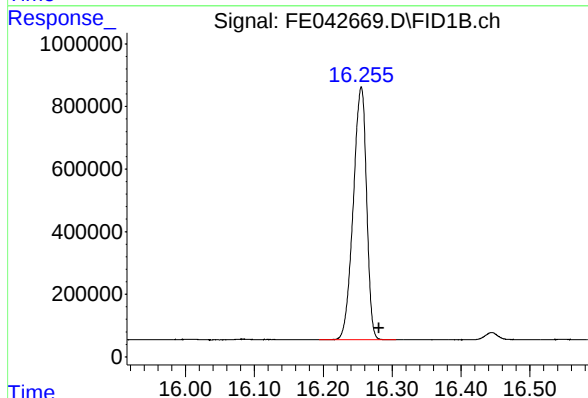
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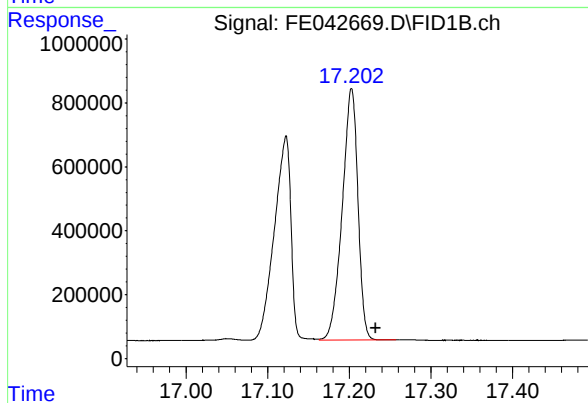
#14 n-Tetracosane (C24)

R.T.: 15.228 min
Delta R.T.: -0.033 min
Response: 21485664
Conc: 148.84 ug/ml



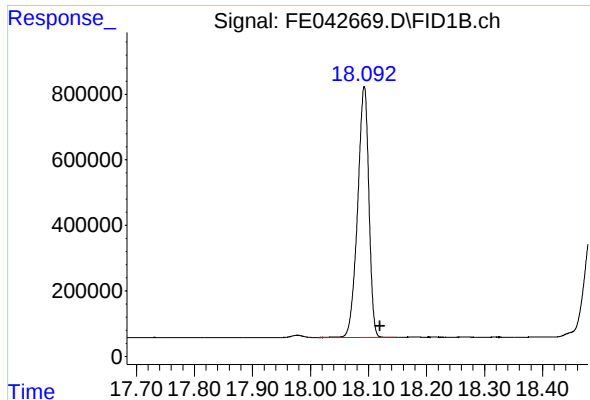
#15 n-Hexacosane (C26)

R.T.: 16.255 min
Delta R.T.: -0.026 min
Response: 10844994
Conc: 78.30 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.203 min
Delta R.T.: -0.029 min
Response: 10529122
Conc: 78.64 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.093 min
Delta R.T.: -0.027 min
Response: 10307037
Conc: 76.35 ug/ml

Instrument :

FID_E

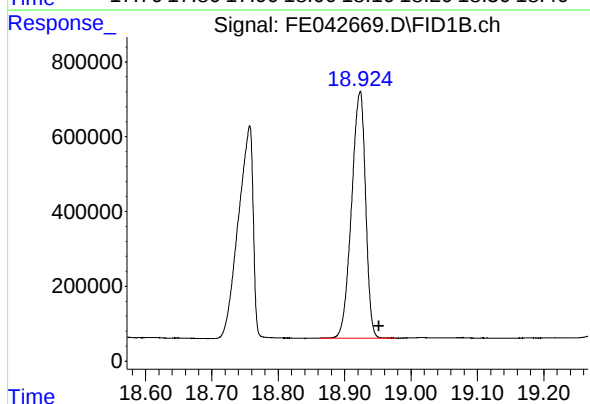
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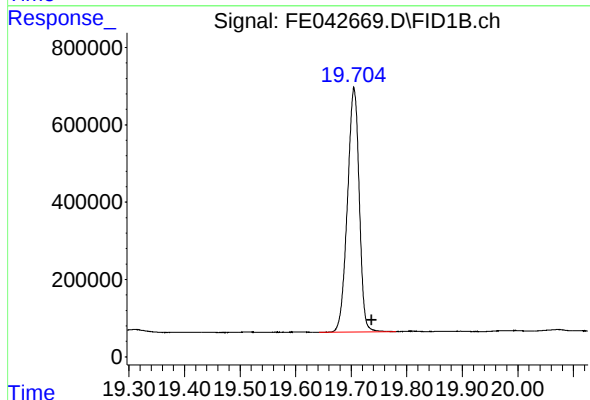
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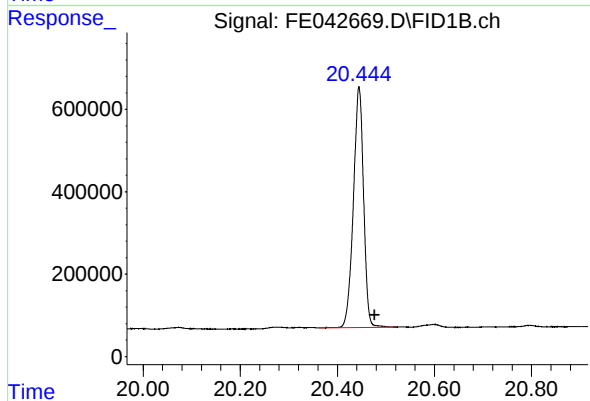
#18 n-Dotriacontane (C32)

R.T.: 18.923 min
Delta R.T.: -0.029 min
Response: 9687012
Conc: 72.51 ug/ml



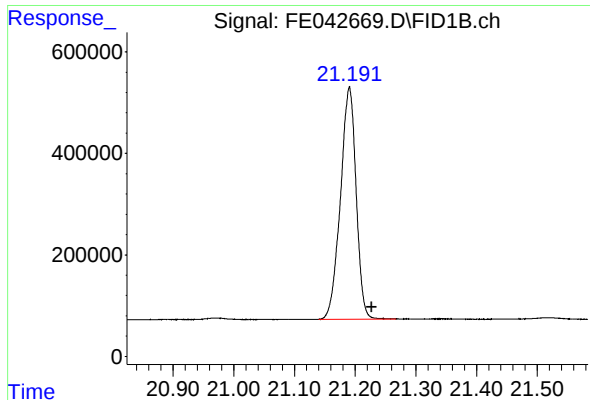
#19 n-Tetratriacontane (C34)

R.T.: 19.705 min
Delta R.T.: -0.031 min
Response: 9307513
Conc: 70.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.445 min
Delta R.T.: -0.032 min
Response: 8528395
Conc: 65.62 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.191 min
Delta R.T.: -0.037 min
Response: 8196467
Conc: 60.41 ug/ml

Instrument :

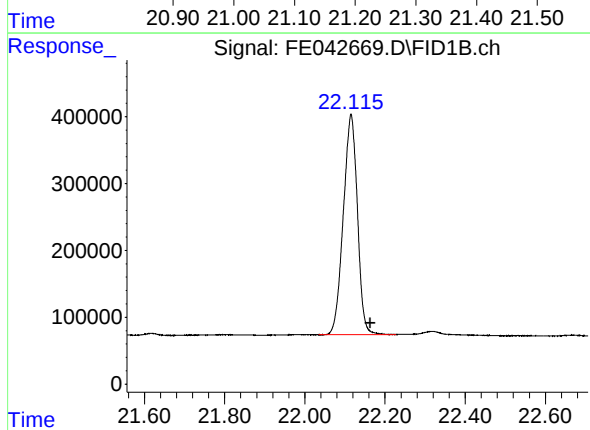
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#22 n-Tetracontane (C40)

R.T.: 22.115 min
Delta R.T.: -0.048 min
Response: 8047842
Conc: 57.85 ug/ml