

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE011924AL\
 Data File : FE046320.D
 Signal(s) : FID1B.ch
 Acq On : 19 Jan 2024 21:50
 Operator : YP\AJ
 Sample : P1181-01MSD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

TR-05-011824MSD

Manual Integrations

APPROVED

Reviewed By :Ankita Jodhani 01/22/2024

Supervised By :Sohil Jodhani 01/23/2024

Integration File: autoint1.e

Quant Time: Jan 19 22:50:06 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 122923.M

Quant Title : GC Extractables

QLast Update : Fri Dec 29 03:49:54 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)	11.828	7724196	42.505 ug/ml
Spiked Amount 50.000		Recovery =	85.01%
12) S 1-chlorooctadecane (S...	13.264	14866866	111.270 ug/ml
Spiked Amount 50.000		Recovery =	222.54%
Target Compounds			
1) T n-Nonane (C9)	3.216	4920035	32.148 ug/ml
2) T n-Decane (C10)	4.466	5660824	36.475 ug/ml
3) T A~Naphthalene (C11.7)	6.167	6979223	41.966 ug/ml
4) T n-Dodecane (C12)	6.632	6446664	41.289 ug/ml
5) T A~2-methylnaphthalene...	7.263	7074555	44.435 ug/ml
6) T n-Tetradecane (C14)	8.460	7232755	46.432 ug/ml
7) T n-Hexadecane (C16)	10.068	7851987	49.584 ug/ml
8) T n-Octadecane (C18)	11.514	8253088	52.436 ug/ml
10) T n-Eicosane (C20)	12.825	8328228	55.052 ug/ml
11) T n-Heneicosane (C21)	13.439	7943127	54.016 ug/ml
13) T n-Docosane (C22)	14.026	7808106	53.417 ug/ml
14) T n-Tetracosane (C24)	15.129	16757070	115.540 ug/ml
15) T n-Hexacosane (C26)	16.155	7346048	51.239 ug/ml
16) T n-Octacosane (C28)	17.107	9267953	64.621 ug/mlm
17) T n-Tricontane (C30)	18.000	7210052	48.508 ug/ml
18) T n-Dotriacontane (C32)	18.834	7634085	51.043 ug/mlm
19) T n-Tetratriacontane (C34)	19.620	7114959	49.666 ug/ml
20) T n-Hexatriacontane (C36)	20.362	7068694	48.482 ug/mlm
21) T n-Octatriacontane (C38)	21.092	7173266	48.646 ug/ml
22) T n-Tetracontane (C40)	21.990	7498264	47.904 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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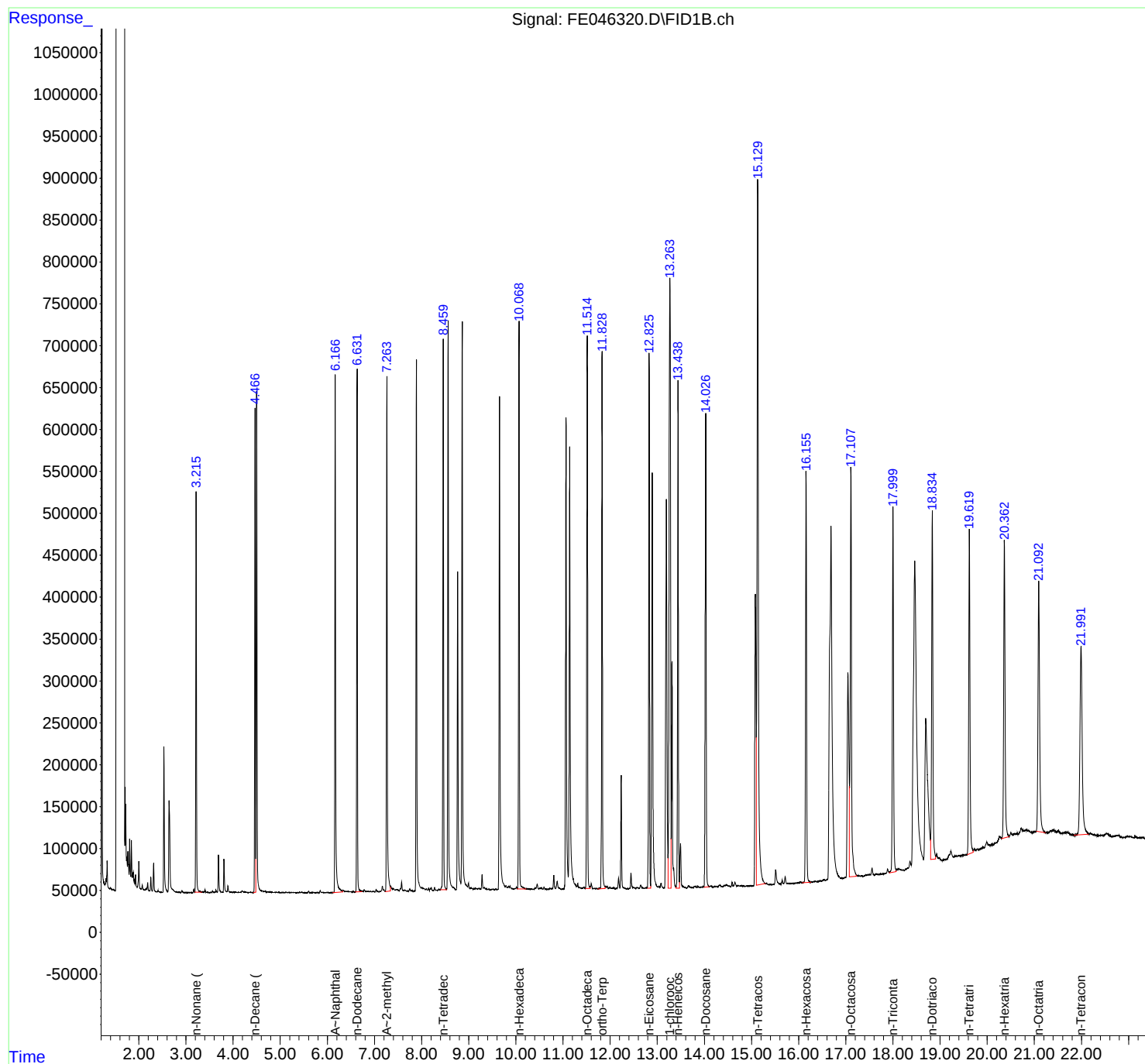
Instrument :
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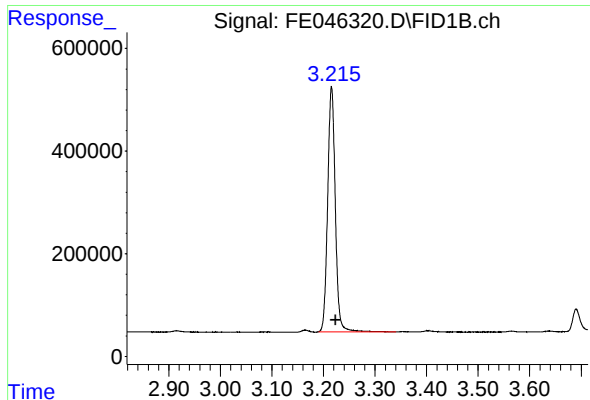
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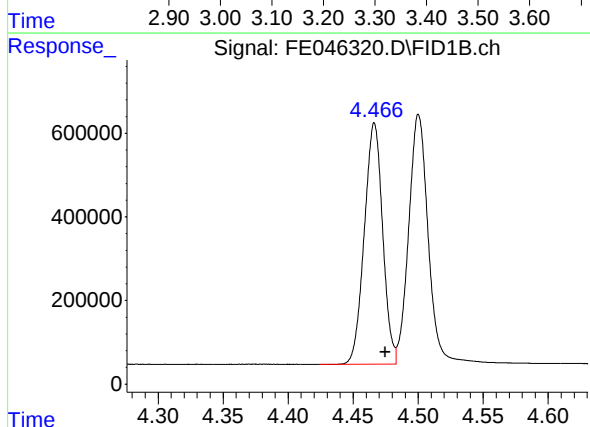
#1 n-Nonane (C9)

R.T.: 3.216 min
Delta R.T.: -0.008 min
Response: 4920035
Conc: 32.15 ug/ml

Instrument :
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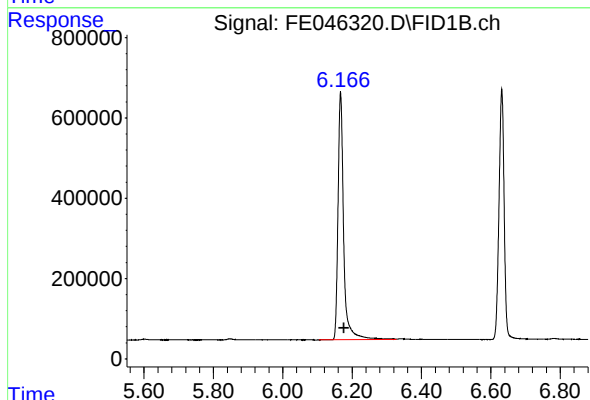
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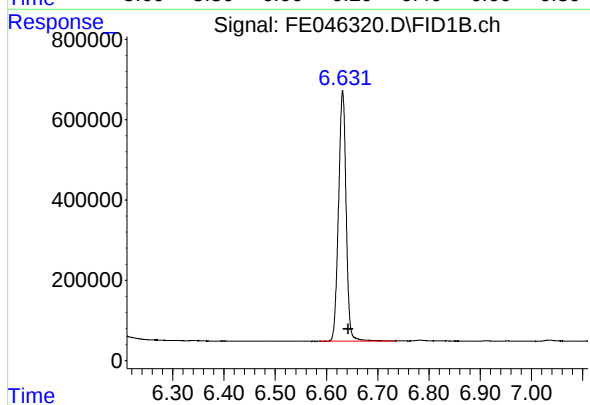
#2 n-Decane (C10)

R.T.: 4.466 min
Delta R.T.: -0.008 min
Response: 5660824
Conc: 36.48 ug/ml



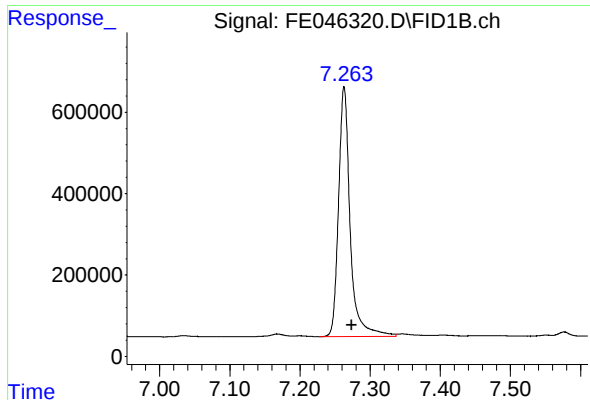
#3 A~Naphthalene (C11.7)

R.T.: 6.167 min
Delta R.T.: -0.010 min
Response: 6979223
Conc: 41.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.632 min
Delta R.T.: -0.011 min
Response: 6446664
Conc: 41.29 ug/ml



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

R.T.: 7.263 min
Delta R.T.: -0.011 min
Response: 7074555
Conc: 44.44 ug/ml

Instrument :

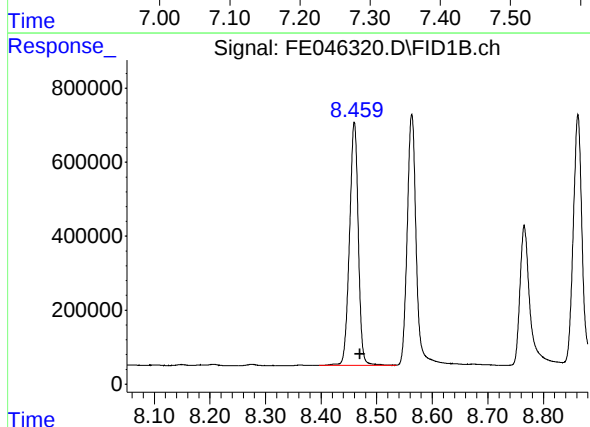
FID_E

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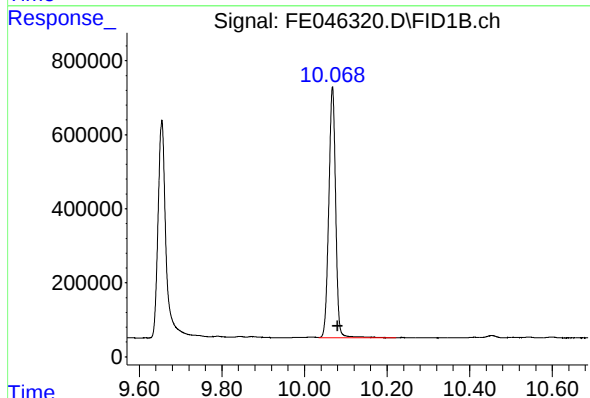
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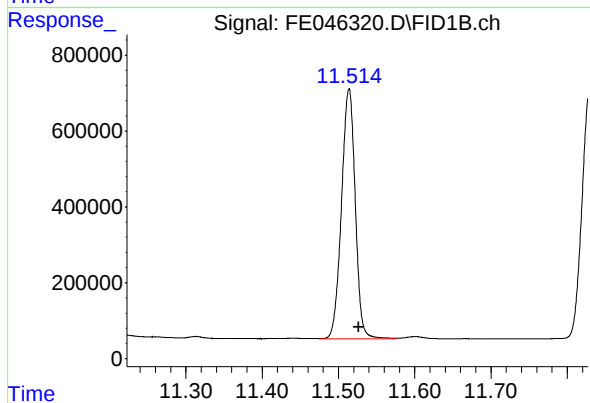
#6 n-Tetradecane (C14)

R.T.: 8.460 min
Delta R.T.: -0.010 min
Response: 7232755
Conc: 46.43 ug/ml



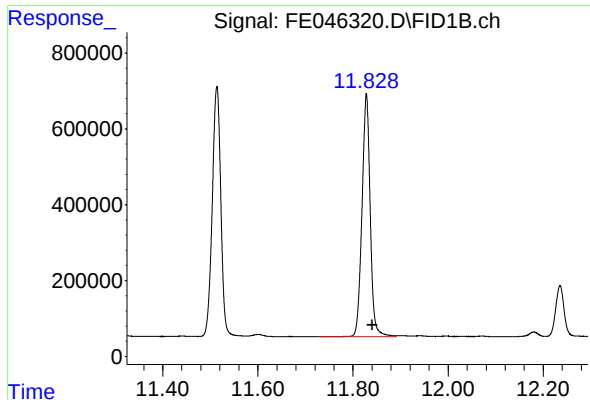
#7 n-Hexadecane (C16)

R.T.: 10.068 min
Delta R.T.: -0.013 min
Response: 7851987
Conc: 49.58 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.514 min
Delta R.T.: -0.013 min
Response: 8253088
Conc: 52.44 ug/ml



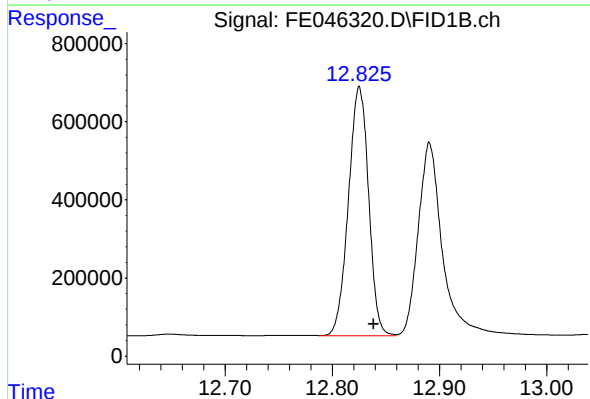
#9 ortho-Terphenyl (SURR)

R.T.: 11.828 min
Delta R.T.: -0.012 min
Response: 7724196
Conc: 42.50 ug/ml

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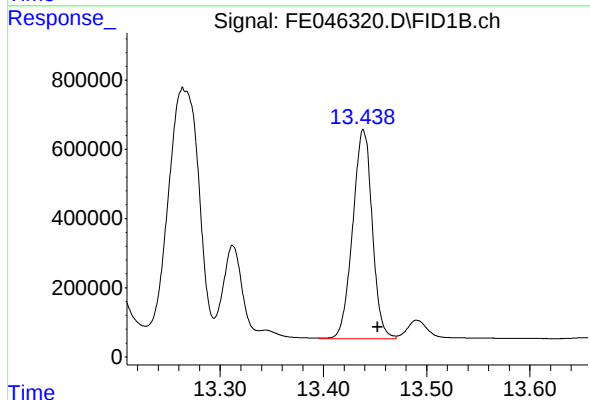
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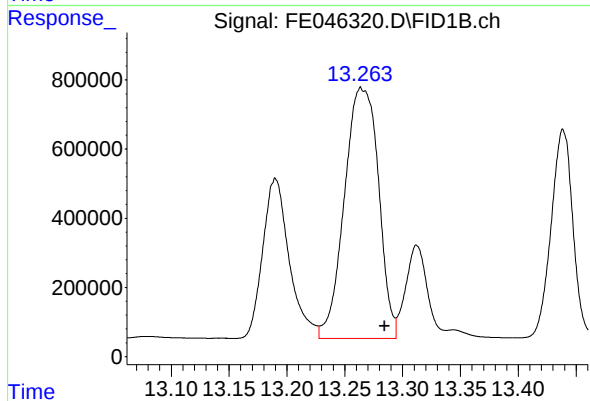
#10 n-Eicosane (C20)

R.T.: 12.825 min
Delta R.T.: -0.014 min
Response: 8328228
Conc: 55.05 ug/ml



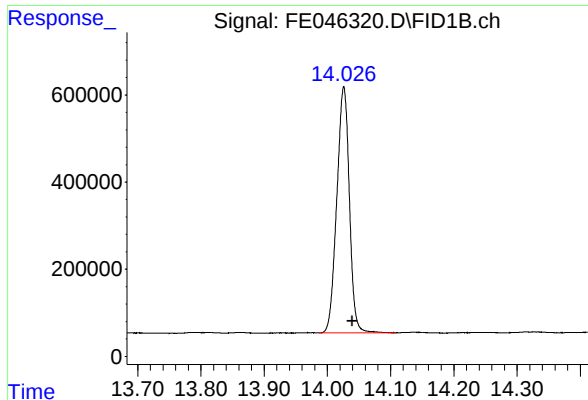
#11 n-Heneicosane (C21)

R.T.: 13.439 min
Delta R.T.: -0.014 min
Response: 7943127
Conc: 54.02 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.264 min
Delta R.T.: -0.020 min
Response: 14866866
Conc: 111.27 ug/ml



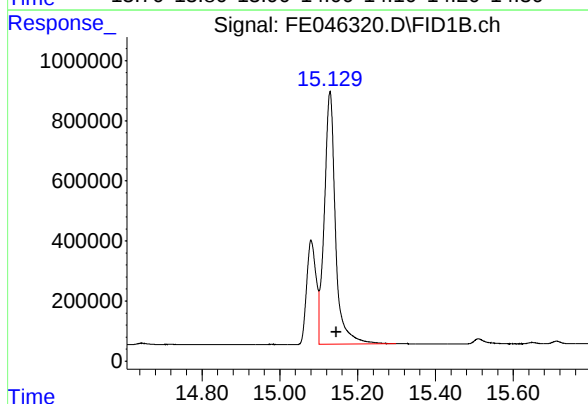
#13 n-Docosane (C22)

R.T.: 14.026 min
Delta R.T.: -0.013 min
Response: 7808106
Conc: 53.42 ug/ml

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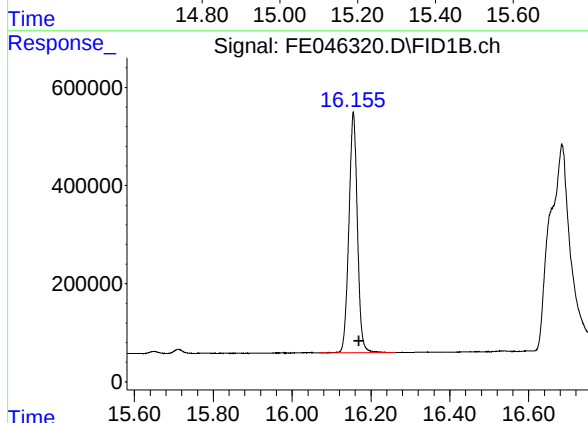
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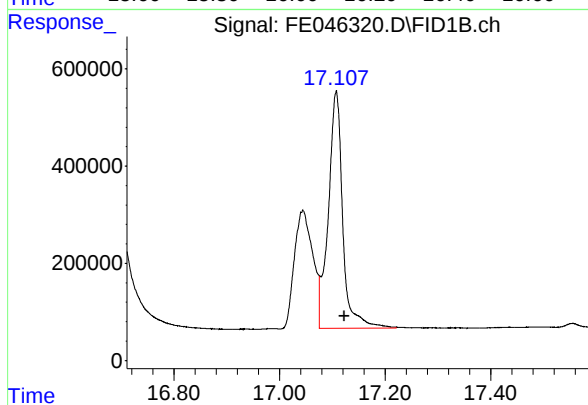
#14 n-Tetracosane (C24)

R.T.: 15.129 min
Delta R.T.: -0.016 min
Response: 16757070
Conc: 115.54 ug/ml



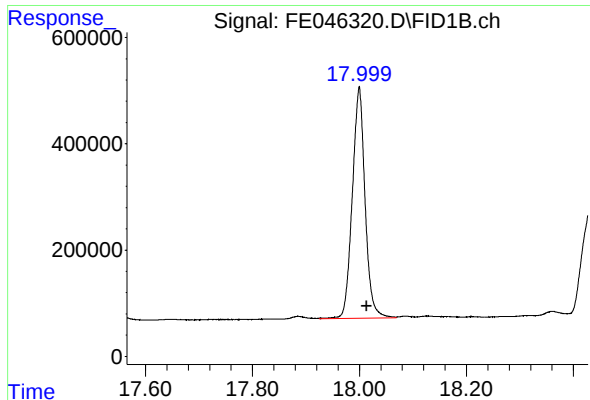
#15 n-Hexacosane (C26)

R.T.: 16.155 min
Delta R.T.: -0.014 min
Response: 7346048
Conc: 51.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.107 min
Delta R.T.: -0.015 min
Response: 9267953
Conc: 64.62 ug/ml m



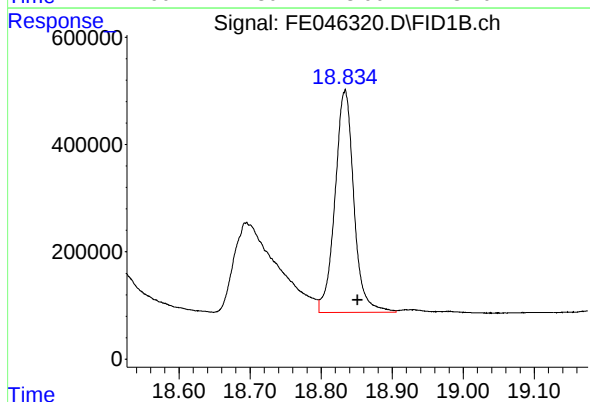
#17 n-Tricontane (C30)

R.T.: 18.000 min
Delta R.T.: -0.014 min
Response: 7210052
Conc: 48.51 ug/ml

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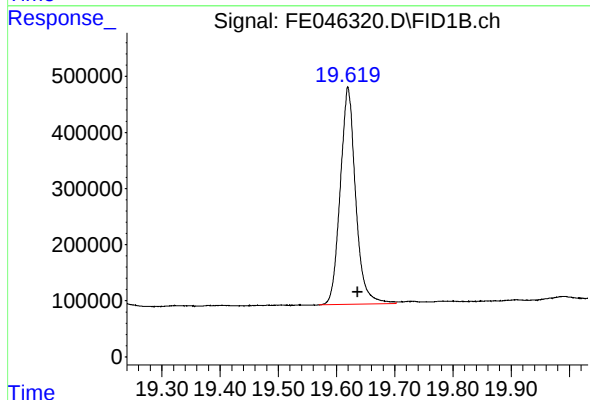
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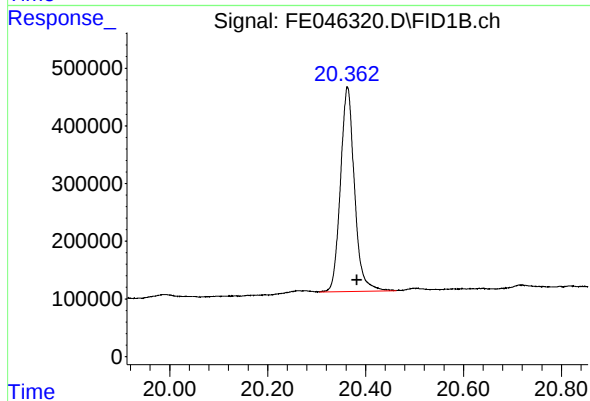
#18 n-Dotriacontane (C32)

R.T.: 18.834 min
Delta R.T.: -0.018 min
Response: 7634085
Conc: 51.04 ug/ml m



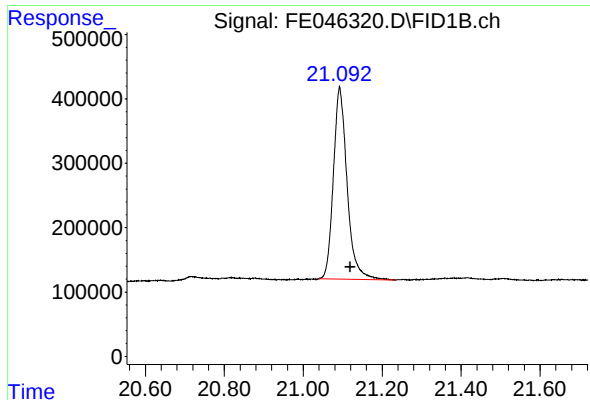
#19 n-Tetratriacontane (C34)

R.T.: 19.620 min
Delta R.T.: -0.017 min
Response: 7114959
Conc: 49.67 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.362 min
Delta R.T.: -0.020 min
Response: 7068694
Conc: 48.48 ug/ml m



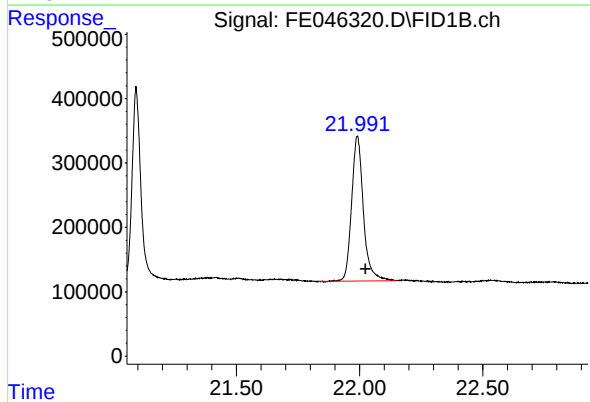
#21 n-Octatriacontane (C38)

R.T.: 21.092 min
Delta R.T.: -0.028 min
Response: 7173266
Conc: 48.65 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.990 min
Delta R.T.: -0.035 min
Response: 7498264
Conc: 47.90 ug/ml