

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE123024AL\
 Data File : FE051819.D
 Signal(s) : FID1B.ch
 Acq On : 30 Dec 2024 21:23
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/31/2024
 Supervised By :Ankita Jodhani 12/31/2024

Integration File: autoint1.e
 Quant Time: Dec 31 08:57:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 122724.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 31 08:56:57 2024
 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)	12.100	2907911	19.199 ug/ml
Spiked Amount 50.000		Recovery =	38.40%
12) S 1-chlorooctadecane (S...	13.529	2241176	19.265 ug/ml
Spiked Amount 50.000		Recovery =	38.53%
Target Compounds			
1) T n-Nonane (C9)	3.505	2198168	18.952 ug/ml
2) T n-Decane (C10)	4.747	2293129	19.057 ug/ml
3) T A~Naphthalene (C11.7)	6.451	2656927	19.115 ug/ml
4) T n-Dodecane (C12)	6.901	2397409	19.082 ug/ml
5) T A~2-methylnaphthalene...	7.542	2616485	19.115 ug/ml
6) T n-Tetradecane (C14)	8.726	2460365	19.133 ug/ml
7) T n-Hexadecane (C16)	10.331	2610597	19.184 ug/ml
8) T n-Octadecane (C18)	11.774	2688680	19.202 ug/ml
10) T n-Eicosane (C20)	13.083	2608754	19.275 ug/ml
11) T n-Heneicosane (C21)	13.695	2559556	19.215 ug/ml
13) T n-Docosane (C22)	14.281	2566768	19.445 ug/ml
14) T n-Tetracosane (C24)	15.382	2583593	19.911 ug/ml
15) T n-Hexacosane (C26)	16.402	2544346	20.259 ug/ml
16) T n-Octacosane (C28)	17.352	2471810	20.475 ug/ml
17) T n-Tricontane (C30)	18.238	2488730	20.679 ug/ml
18) T n-Dotriacontane (C32)	19.071	2362052	20.639 ug/ml
19) T n-Tetratriacontane (C34)	19.855	2038854	20.215 ug/ml
20) T n-Hexatriacontane (C36)	20.593	1820275	20.423 ug/mlm
21) T n-Octatriacontane (C38)	21.373	1989832	23.176 ug/ml
22) T n-Tetracontane (C40)	22.362	1771892	20.090 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

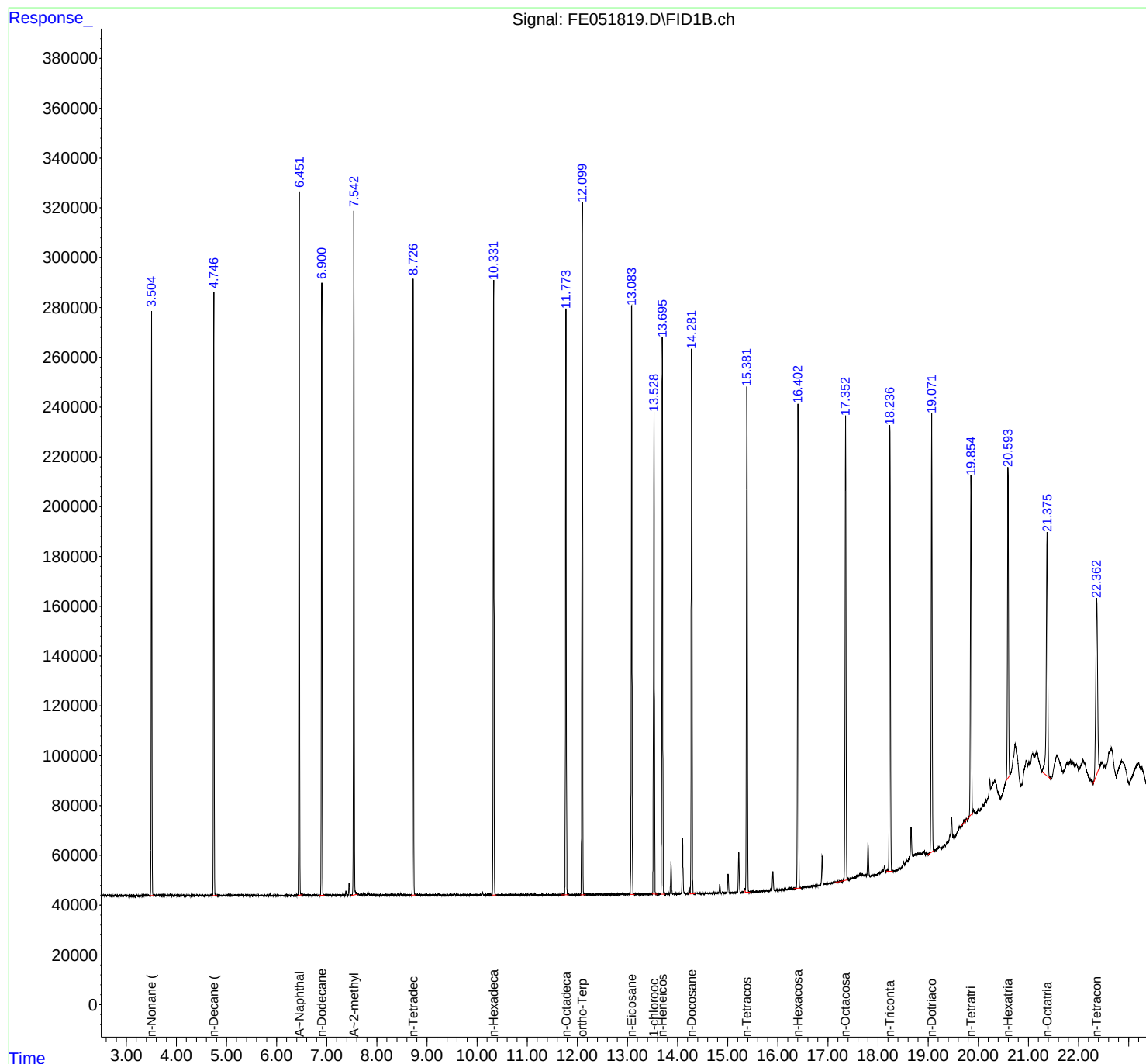
Instrument :
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20 PPM ALIPHATIC HC STD

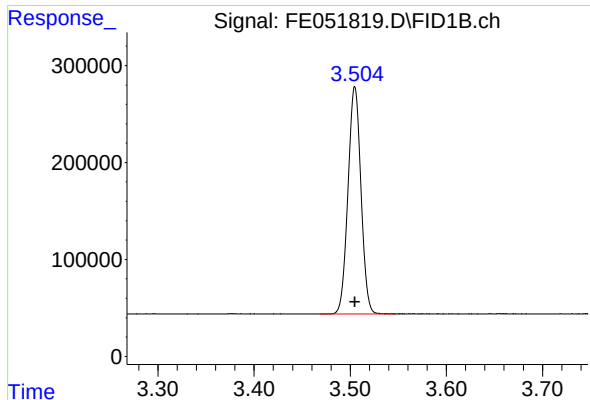
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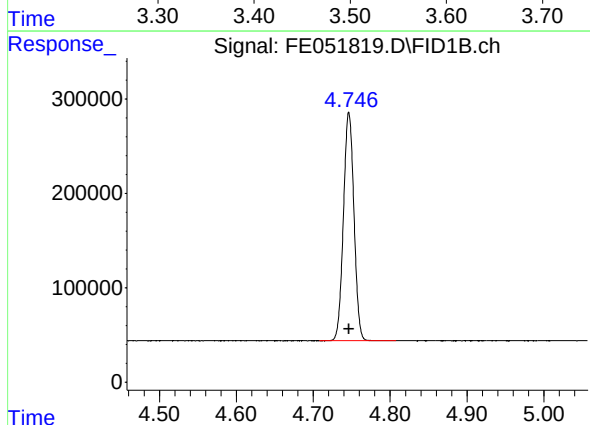
#1 n-Nonane (C9)

R.T.: 3.505 min
Delta R.T.: 0.000 min
Response: 2198168
Conc: 18.95 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

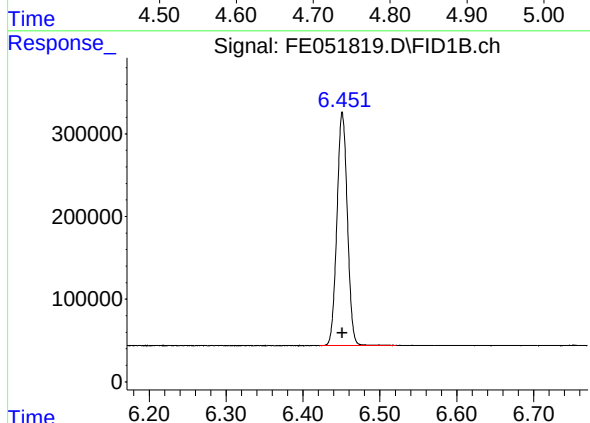
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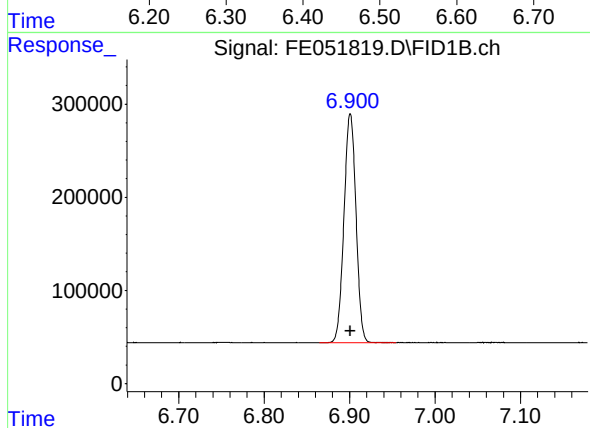
#2 n-Decane (C10)

R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 2293129
Conc: 19.06 ug/ml



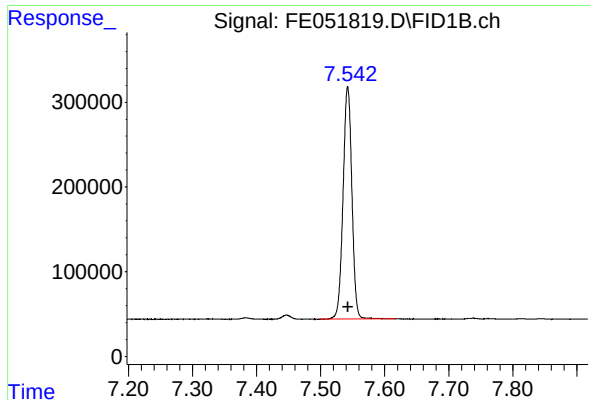
#3 A~Naphthalene (C11.7)

R.T.: 6.451 min
Delta R.T.: 0.000 min
Response: 2656927
Conc: 19.12 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.901 min
Delta R.T.: 0.000 min
Response: 2397409
Conc: 19.08 ug/ml



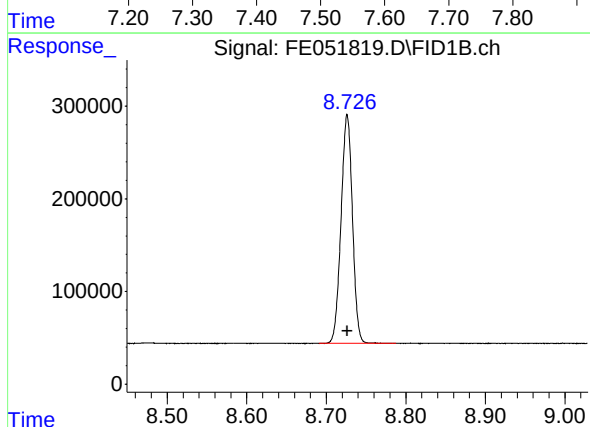
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.542 min
Delta R.T.: 0.000 min
Response: 2616485
Conc: 19.11 ug/ml

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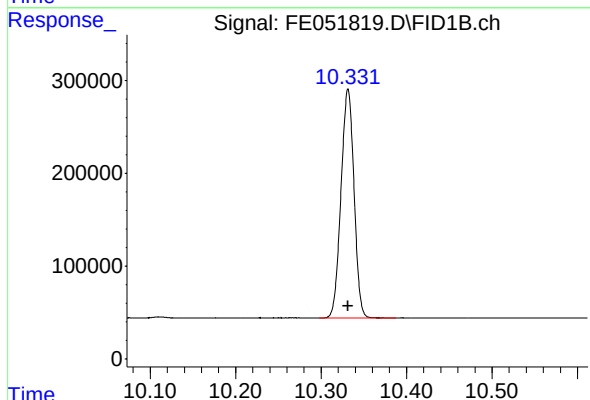
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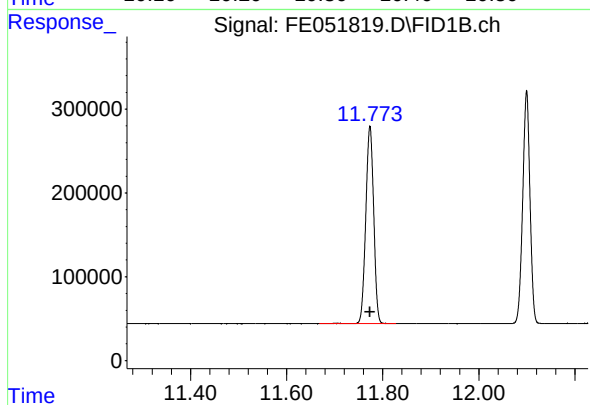
#6 n-Tetradecane (C14)

R.T.: 8.726 min
Delta R.T.: 0.000 min
Response: 2460365
Conc: 19.13 ug/ml



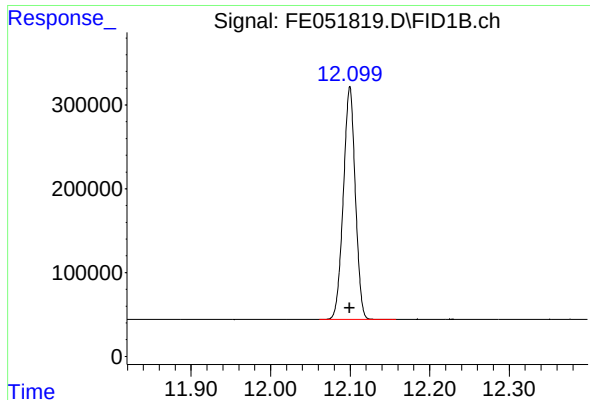
#7 n-Hexadecane (C16)

R.T.: 10.331 min
Delta R.T.: 0.000 min
Response: 2610597
Conc: 19.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.774 min
Delta R.T.: 0.000 min
Response: 2688680
Conc: 19.20 ug/ml



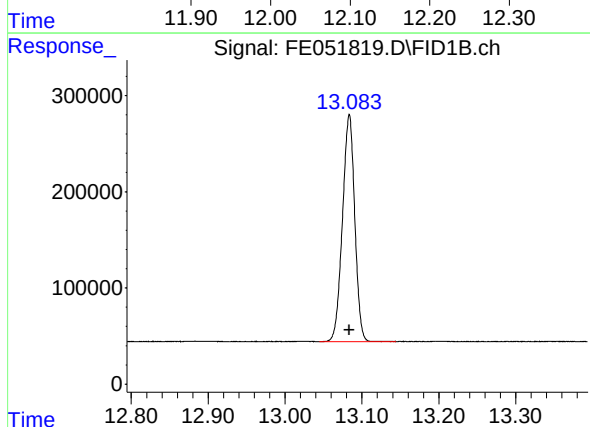
#9 ortho-Terphenyl (SURR)

R.T.: 12.100 min
Delta R.T.: 0.000 min
Response: 2907911
Conc: 19.20 ug/ml

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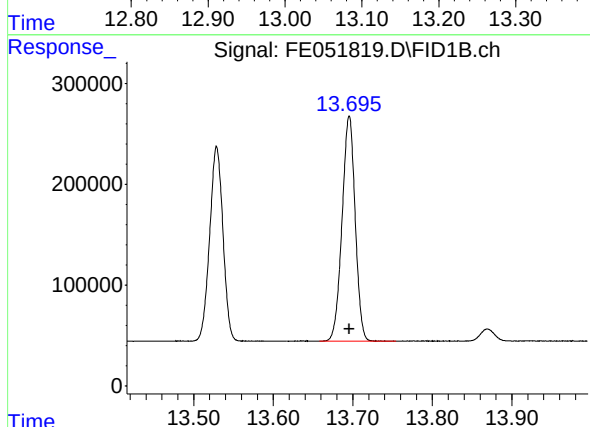
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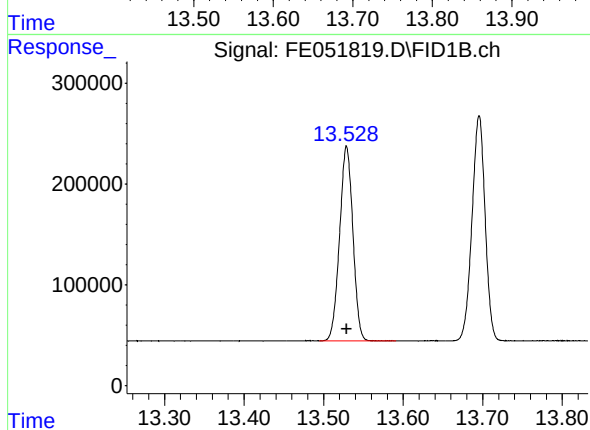
#10 n-Eicosane (C20)

R.T.: 13.083 min
Delta R.T.: 0.000 min
Response: 2608754
Conc: 19.27 ug/ml



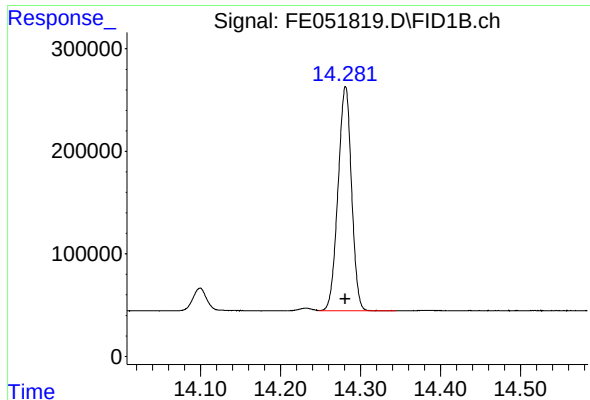
#11 n-Heneicosane (C21)

R.T.: 13.695 min
Delta R.T.: 0.000 min
Response: 2559556
Conc: 19.21 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.529 min
Delta R.T.: 0.000 min
Response: 2241176
Conc: 19.27 ug/ml



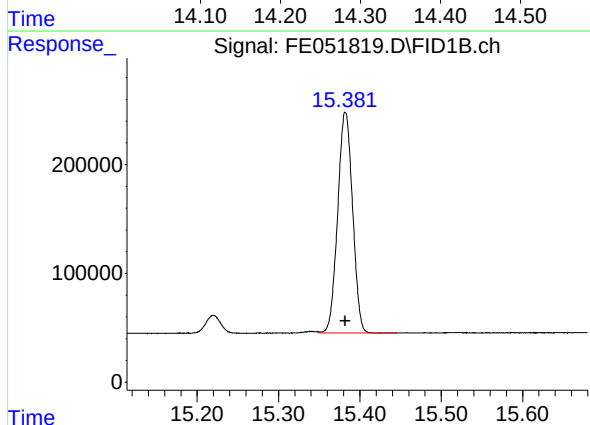
#13 n-Docosane (C22)

R.T.: 14.281 min
Delta R.T.: 0.000 min
Response: 2566768
Conc: 19.44 ug/ml

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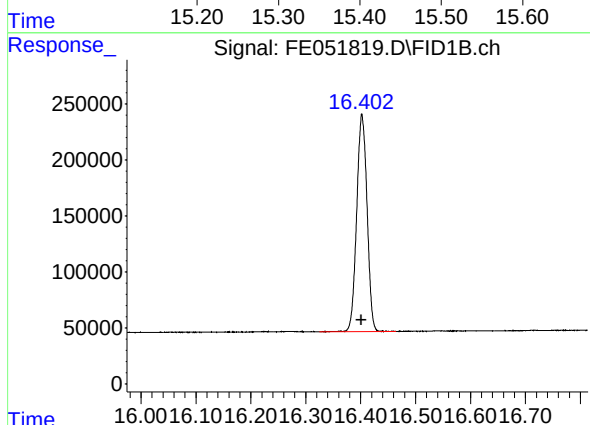
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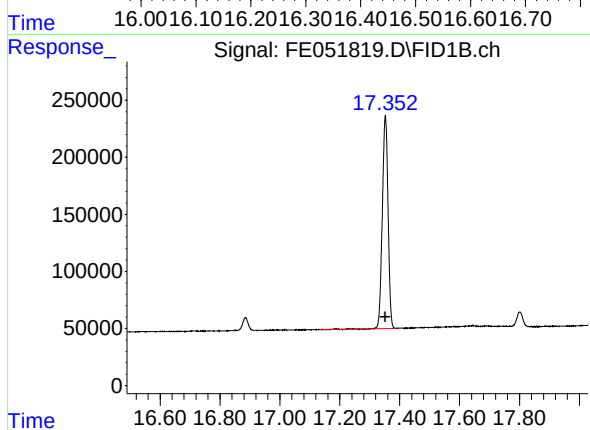
#14 n-Tetracosane (C24)

R.T.: 15.382 min
Delta R.T.: 0.000 min
Response: 2583593
Conc: 19.91 ug/ml



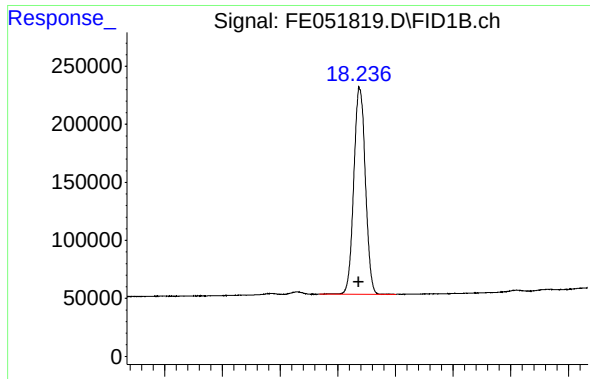
#15 n-Hexacosane (C26)

R.T.: 16.402 min
Delta R.T.: 0.000 min
Response: 2544346
Conc: 20.26 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.352 min
Delta R.T.: 0.000 min
Response: 2471810
Conc: 20.47 ug/ml



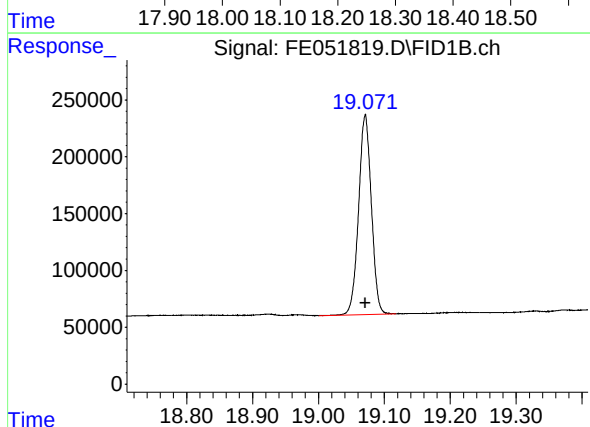
#17 n-Tricontane (C30)

R.T.: 18.238 min
Delta R.T.: 0.002 min
Response: 2488730
Conc: 20.68 ug/ml

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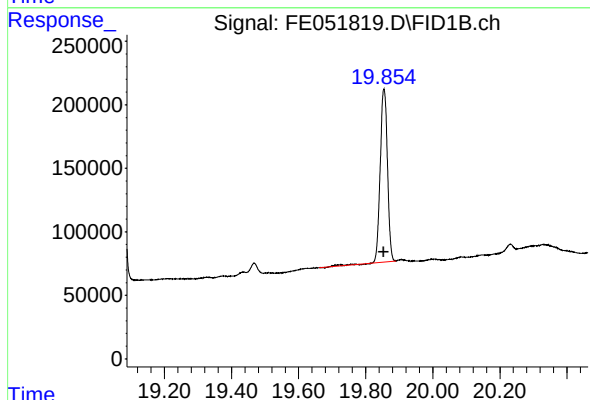
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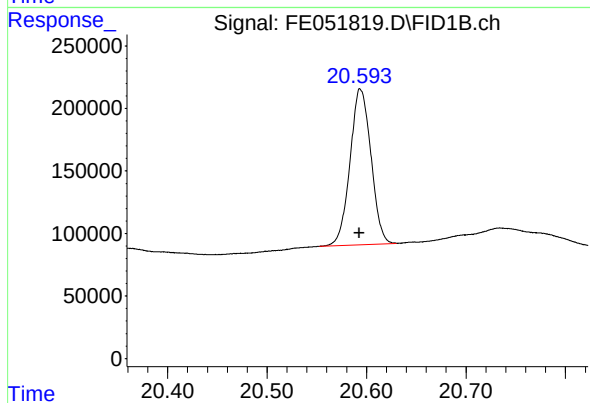
#18 n-Dotriacontane (C32)

R.T.: 19.071 min
Delta R.T.: 0.000 min
Response: 2362052
Conc: 20.64 ug/ml



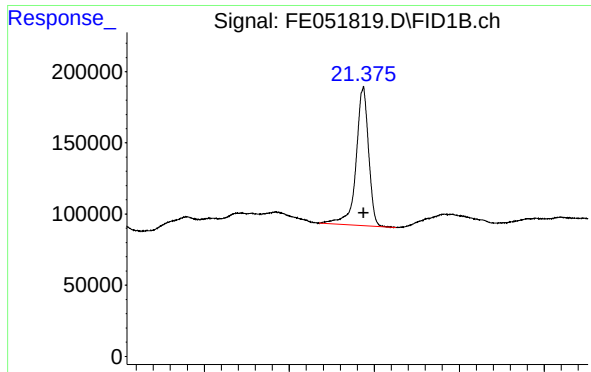
#19 n-Tetratriacontane (C34)

R.T.: 19.855 min
Delta R.T.: 0.000 min
Response: 2038854
Conc: 20.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.593 min
Delta R.T.: 0.000 min
Response: 1820275
Conc: 20.42 ug/ml m



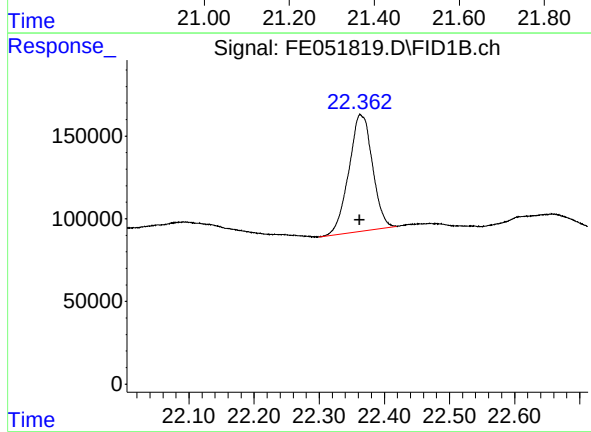
#21 n-Octatriacontane (C38)

R.T.: 21.373 min
Delta R.T.: -0.001 min
Response: 1989832
Conc: 23.18 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.362 min
Delta R.T.: 0.000 min
Response: 1771892
Conc: 20.09 ug/ml m