

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032523AL\
 Data File : FE041022.D
 Signal(s) : FID1B.ch
 Acq On : 25 Mar 2023 03:15
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/27/2023
 Supervised By :Ankita Jodhani 03/27/2023

Integration File: autoint1.e
 Quant Time: Mar 25 06:32:54 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 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)	11.863	3625512	19.291 ug/ml
Spiked Amount 50.000		Recovery =	38.58%
12) S 1-chlorooctadecane (S...	13.303	2780364	19.324 ug/ml
Spiked Amount 50.000		Recovery =	38.65%
Target Compounds			
1) T n-Nonane (C9)	3.261	3327794	19.179 ug/ml
2) T n-Decane (C10)	4.508	3266598	19.191 ug/ml
3) T A~Naphthalene (C11.7)	6.211	3570128	19.519 ug/ml
4) T n-Dodecane (C12)	6.673	3326320	19.176 ug/ml
5) T A~2-methylnaphthalene...	7.307	3248666	19.616 ug/ml
6) T n-Tetradecane (C14)	8.499	3347225	19.197 ug/ml
7) T n-Hexadecane (C16)	10.106	3413032	19.190 ug/ml
8) T n-Octadecane (C18)	11.548	3446081	19.300 ug/ml
10) T n-Eicosane (C20)	12.857	3289632	19.286 ug/ml
11) T n-Heneicosane (C21)	13.470	3271182	19.335 ug/ml
13) T n-Docosane (C22)	14.057	3189743	19.275 ug/ml
14) T n-Tetracosane (C24)	15.159	3107549	19.208 ug/ml
15) T n-Hexacosane (C26)	16.182	2988567	19.279 ug/ml
16) T n-Octacosane (C28)	17.133	2913518	19.020 ug/ml
17) T n-Tricontane (C30)	18.022	2866247	18.751 ug/ml
18) T n-Dotriacontane (C32)	18.855	2901497	18.584 ug/ml
19) T n-Tetratriacontane (C34)	19.640	2915160	18.811 ug/ml
20) T n-Hexatriacontane (C36)	20.381	2879992	18.960 ug/mlm
21) T n-Octatriacontane (C38)	21.111	3020112	19.333 ug/ml
22) T n-Tetracontane (C40)	22.000	3123026	19.567 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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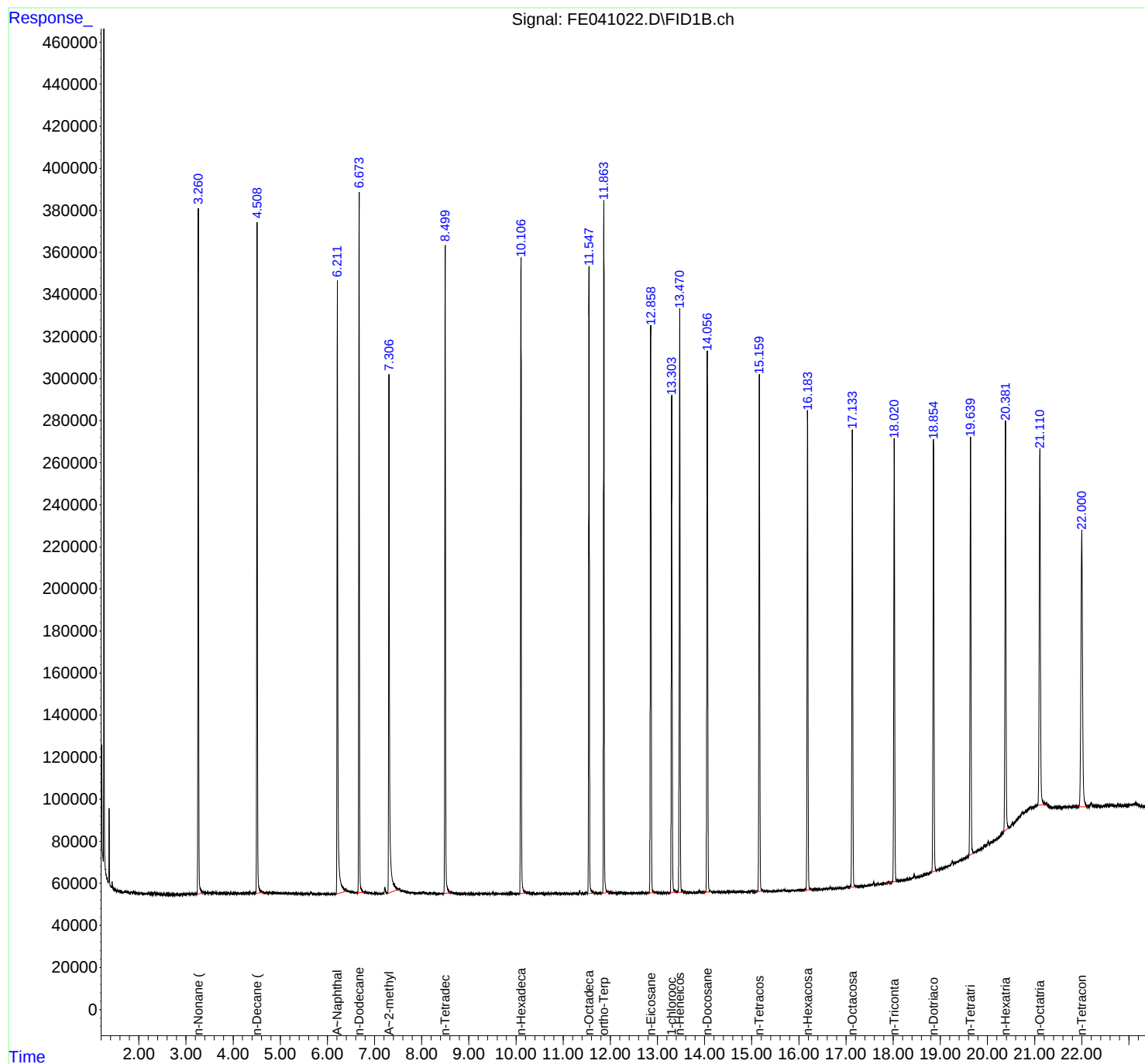
Instrument :
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20 PPM ALIPHATIC HC STD ICV

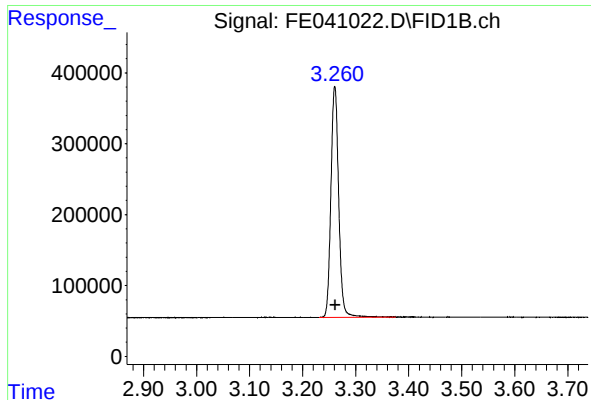
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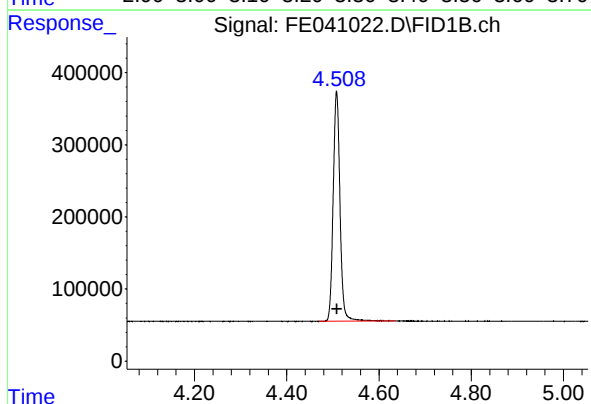
#1 n-Nonane (C9)

R.T.: 3.261 min
Delta R.T.: -0.001 min
Response: 3327794
Conc: 19.18 ug/ml

Instrument : FID_E
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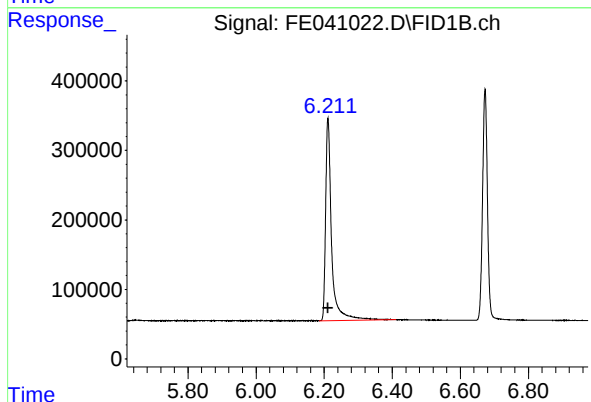
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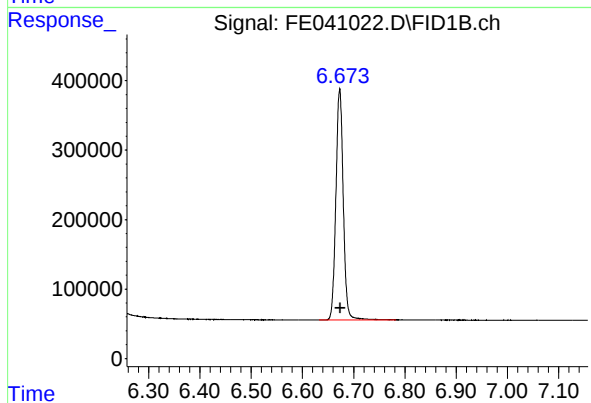
#2 n-Decane (C10)

R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 3266598
Conc: 19.19 ug/ml



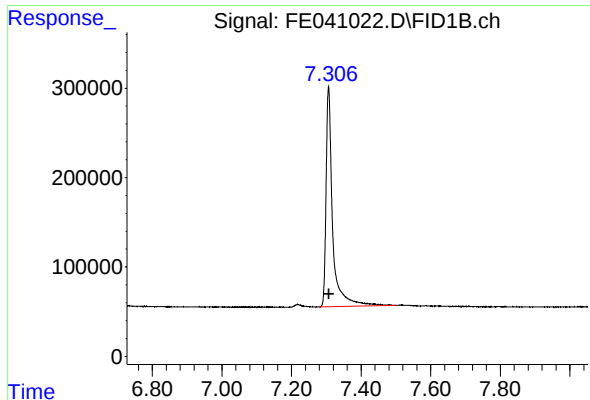
#3 A~Naphthalene (C11.7)

R.T.: 6.211 min
Delta R.T.: 0.000 min
Response: 3570128
Conc: 19.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.673 min
Delta R.T.: 0.000 min
Response: 3326320
Conc: 19.18 ug/ml



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

R.T.: 7.307 min
Delta R.T.: 0.000 min
Response: 3248666
Conc: 19.62 ug/ml

Instrument :

FID_E

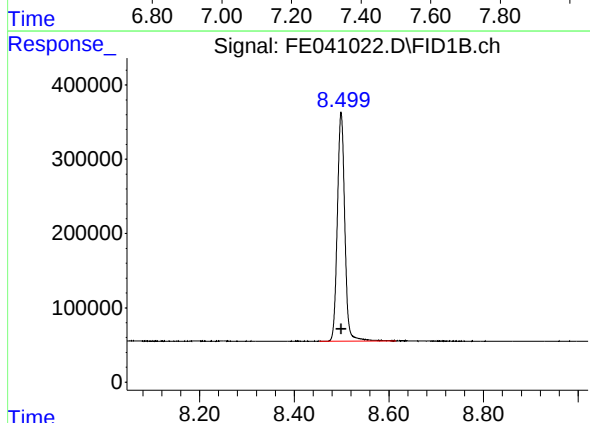
ClientSampleId :

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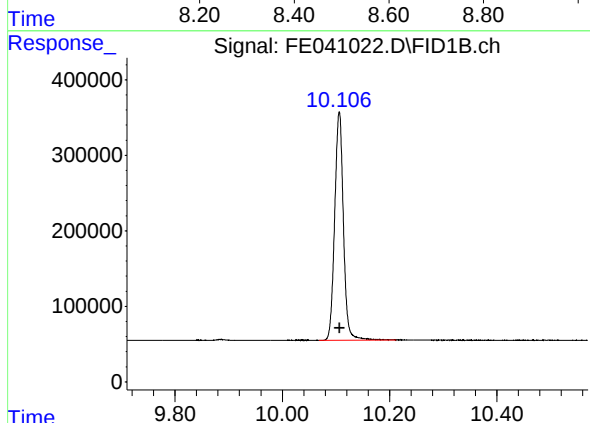
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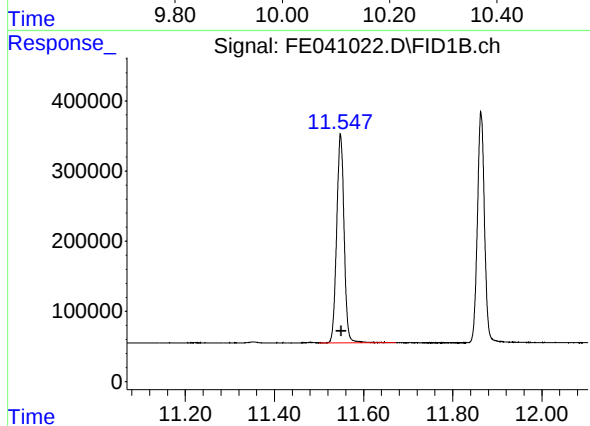
#6 n-Tetradecane (C14)

R.T.: 8.499 min
Delta R.T.: -0.001 min
Response: 3347225
Conc: 19.20 ug/ml



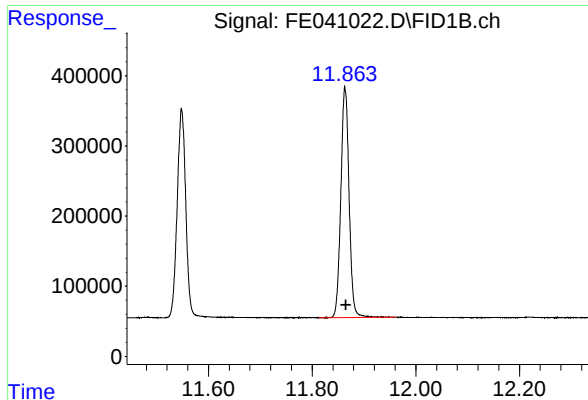
#7 n-Hexadecane (C16)

R.T.: 10.106 min
Delta R.T.: 0.000 min
Response: 3413032
Conc: 19.19 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.548 min
Delta R.T.: -0.001 min
Response: 3446081
Conc: 19.30 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.863 min
Delta R.T.: -0.002 min
Response: 3625512
Conc: 19.29 ug/ml

Instrument :

FID_E

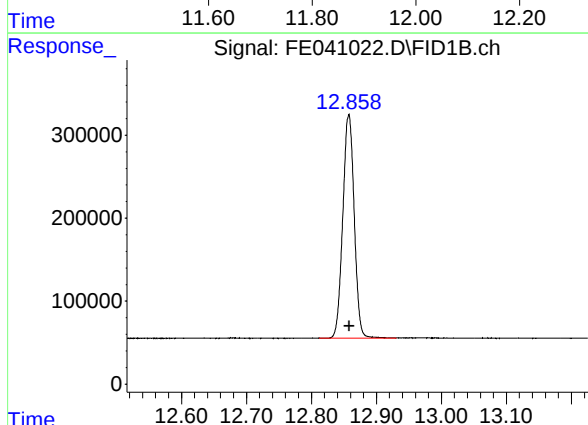
ClientSampleId :

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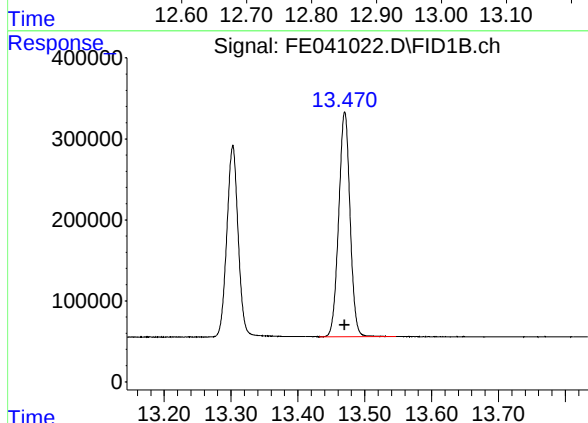
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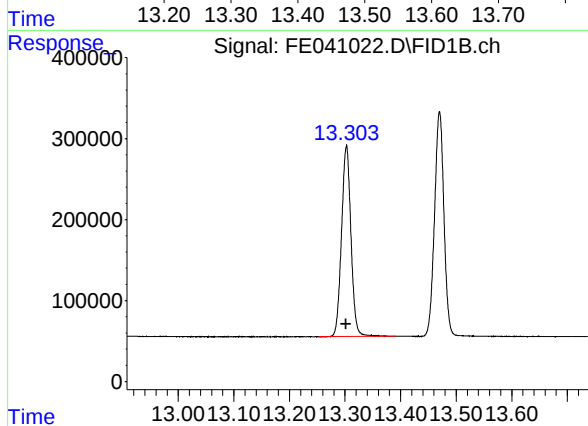
#10 n-Eicosane (C20)

R.T.: 12.857 min
Delta R.T.: 0.000 min
Response: 3289632
Conc: 19.29 ug/ml



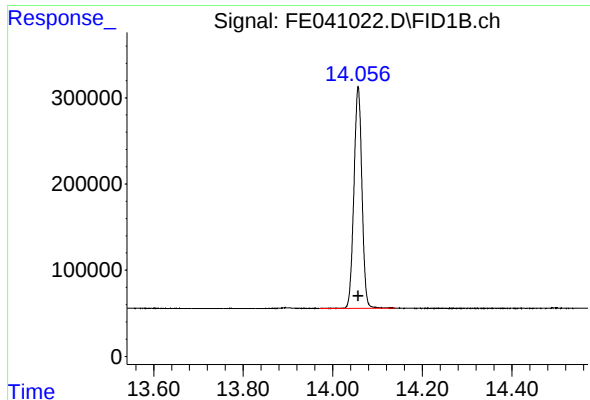
#11 n-Heneicosane (C21)

R.T.: 13.470 min
Delta R.T.: 0.000 min
Response: 3271182
Conc: 19.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.303 min
Delta R.T.: 0.000 min
Response: 2780364
Conc: 19.32 ug/ml



#13 n-Docosane (C22)

R.T.: 14.057 min
Delta R.T.: 0.000 min
Response: 3189743
Conc: 19.28 ug/ml

Instrument :

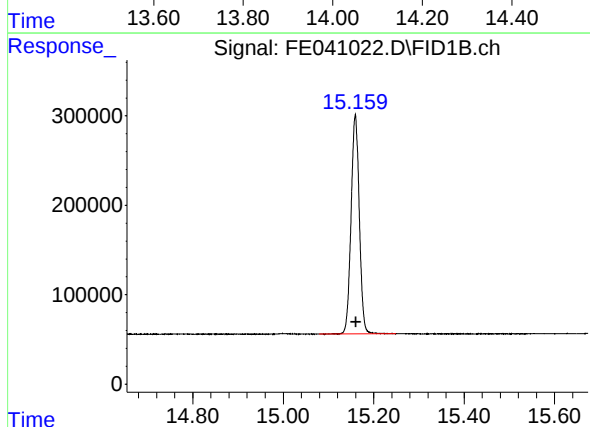
FID_E

ClientSampleId :

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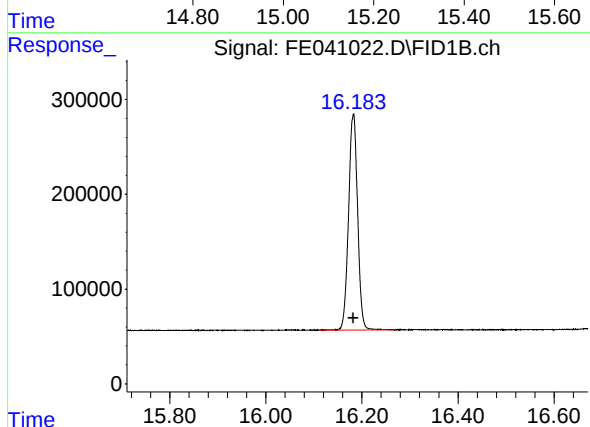
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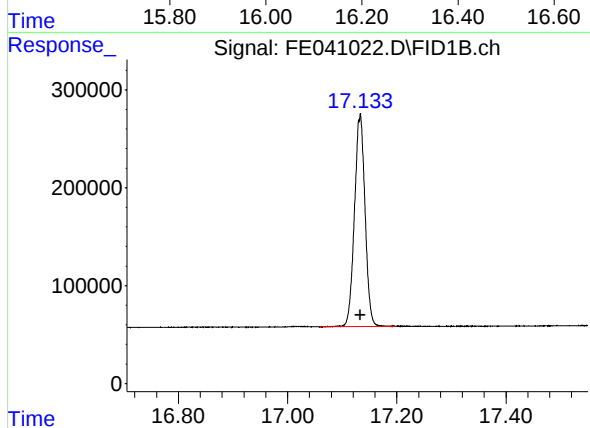
#14 n-Tetracosane (C24)

R.T.: 15.159 min
Delta R.T.: -0.001 min
Response: 3107549
Conc: 19.21 ug/ml



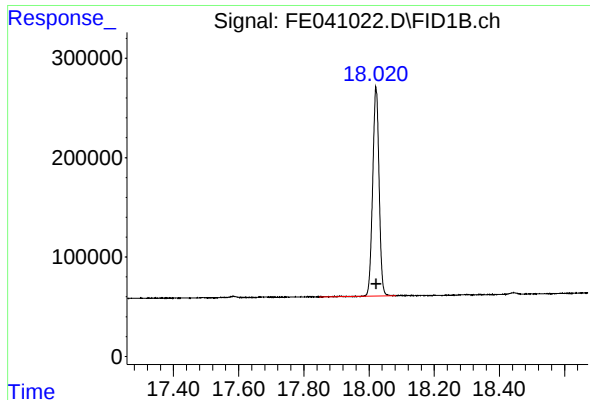
#15 n-Hexacosane (C26)

R.T.: 16.182 min
Delta R.T.: 0.000 min
Response: 2988567
Conc: 19.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.133 min
Delta R.T.: 0.000 min
Response: 2913518
Conc: 19.02 ug/ml



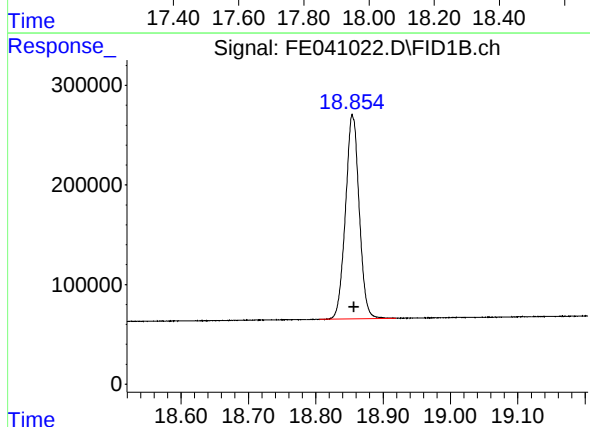
#17 n-Tricontane (C30)

R.T.: 18.022 min
Delta R.T.: 0.000 min
Response: 2866247
Conc: 18.75 ug/ml

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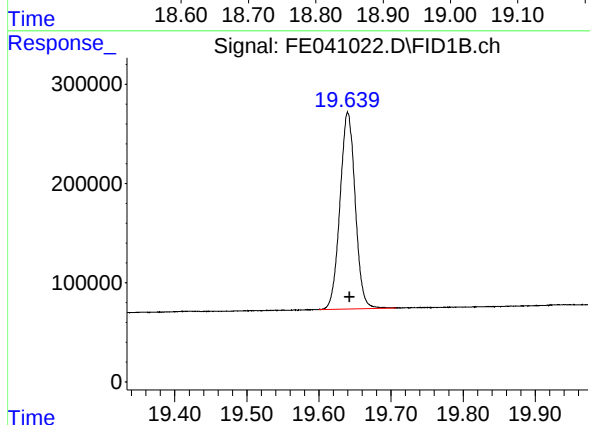
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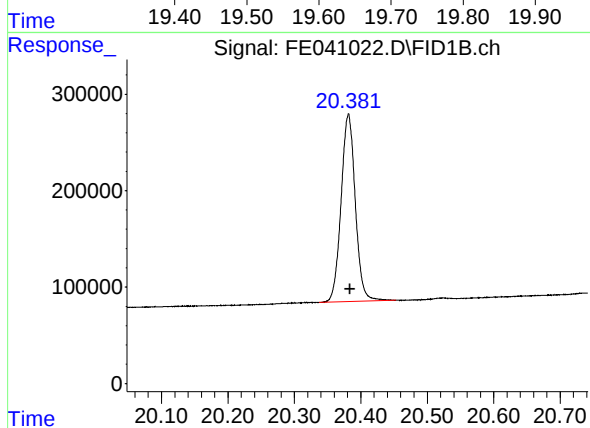
#18 n-Dotriacontane (C32)

R.T.: 18.855 min
Delta R.T.: -0.002 min
Response: 2901497
Conc: 18.58 ug/ml



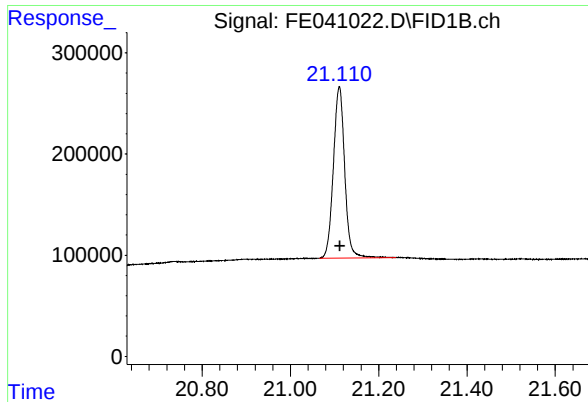
#19 n-Tetratriacontane (C34)

R.T.: 19.640 min
Delta R.T.: -0.002 min
Response: 2915160
Conc: 18.81 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.381 min
Delta R.T.: -0.003 min
Response: 2879992
Conc: 18.96 ug/ml m



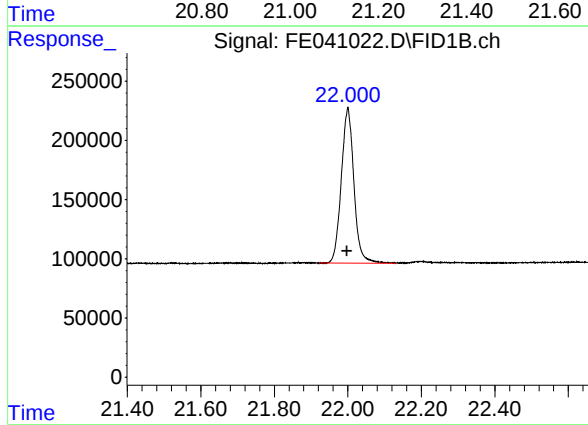
#21 n-Octatriacontane (C38)

R.T.: 21.111 min
Delta R.T.: -0.001 min
Response: 3020112
Conc: 19.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.000 min
Delta R.T.: 0.002 min
Response: 3123026
Conc: 19.57 ug/ml