

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050222AL\
 Data File : FD042262.D
 Signal(s) : FID2B.CH
 Acq On : 03 May 2022 13:48
 Operator : UA/NP
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/06/2022
 Supervised By :mohammad ahmed 05/06/2022

Integration File: sample.E
 Quant Time: May 03 15:11:27 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 042122.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 22 01:55:29 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.226	3158457	18.833 ug/ml
Spiked Amount 50.000		Recovery =	37.67%
12) S 1-chlorooctadecane (S...	12.665	2417319	18.319 ug/ml
Spiked Amount 50.000		Recovery =	36.64%
Target Compounds			
1) T n-Nonane (C9)	3.098	2879313	21.124 ug/ml
2) T n-Decane (C10)	4.142	2867065	21.394 ug/ml
3) T A~Naphthalene (C11.7)	5.694	3009636	20.763 ug/ml
4) T n-Dodecane (C12)	6.137	2955925	20.763 ug/ml
5) T A~2-methylnaphthalene...	6.739	3014460	21.632 ug/ml
6) T n-Tetradecane (C14)	7.912	2953396	20.734 ug/ml
7) T n-Hexadecane (C16)	9.498	2941166	20.239 ug/ml
8) T n-Octadecane (C18)	10.929	2925365	19.519 ug/ml
10) T n-Eicosane (C20)	12.227	2837729	18.540 ug/ml
11) T n-Heneicosane (C21)	12.834	2811575	18.237 ug/ml
13) T n-Docosane (C22)	13.418	2756920	17.885 ug/ml
14) T n-Tetracosane (C24)	14.512	2651376	17.144 ug/ml
15) T n-Hexacosane (C26)	15.527	2552569	16.595 ug/ml
16) T n-Octacosane (C28)	16.472	2481842	16.233 ug/ml
17) T n-Tricontane (C30)	17.353	2413548	16.091 ug/ml
18) T n-Dotriacontane (C32)	18.181	2334261	16.508 ug/ml
19) T n-Tetratriacontane (C34)	18.959	2149820	16.705 ug/ml
20) T n-Hexatriacontane (C36)	19.694	2149895	18.999 ug/mlm
21) T n-Octatriacontane (C38)	20.391	2104023	21.087 ug/mlm
22) T n-Tetracontane (C40)	21.167	2114541	23.443 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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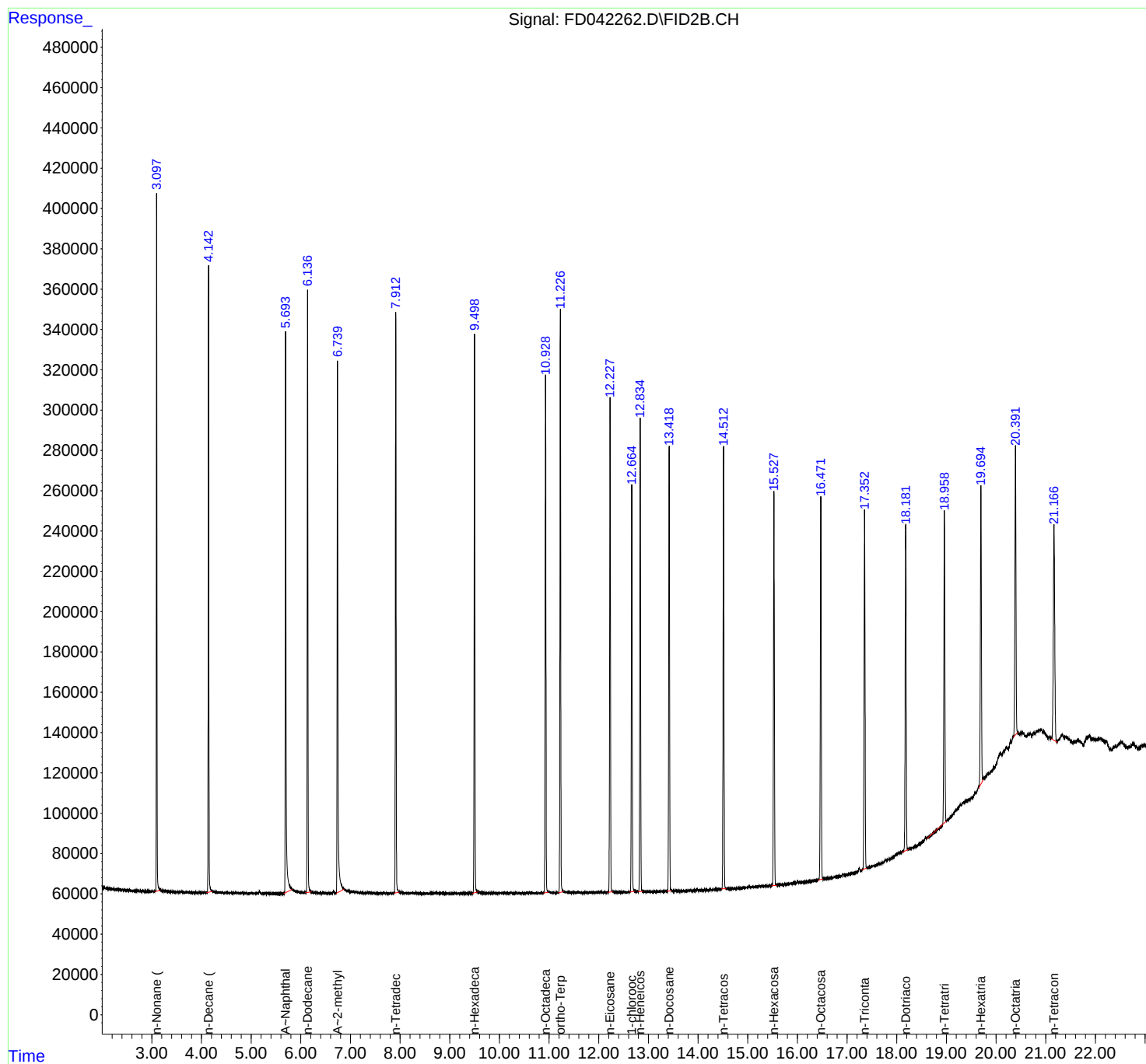
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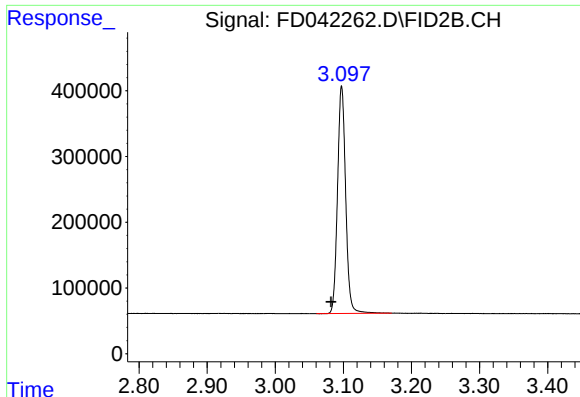
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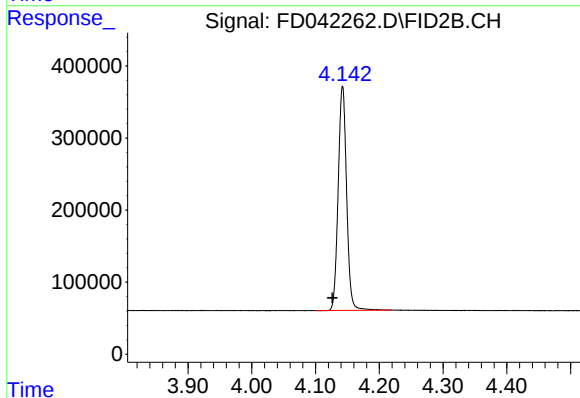
#1 n-Nonane (C9)

R.T.: 3.098 min
Delta R.T.: 0.016 min
Response: 2879313
Conc: 21.12 ug/ml

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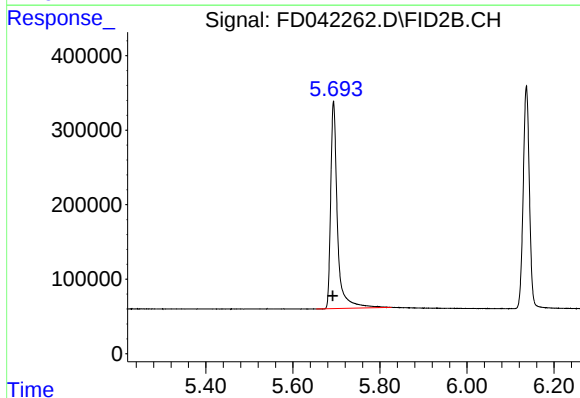
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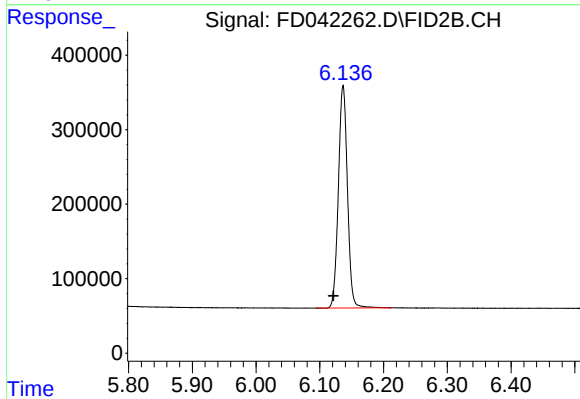
#2 n-Decane (C10)

R.T.: 4.142 min
Delta R.T.: 0.016 min
Response: 2867065
Conc: 21.39 ug/ml



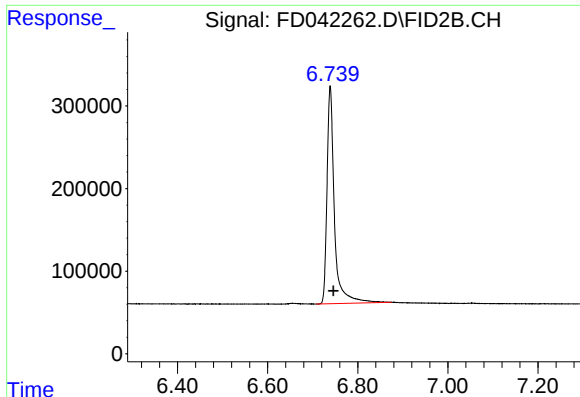
#3 A~Naphthalene (C11.7)

R.T.: 5.694 min
Delta R.T.: 0.002 min
Response: 3009636
Conc: 20.76 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.137 min
Delta R.T.: 0.015 min
Response: 2955925
Conc: 20.76 ug/ml



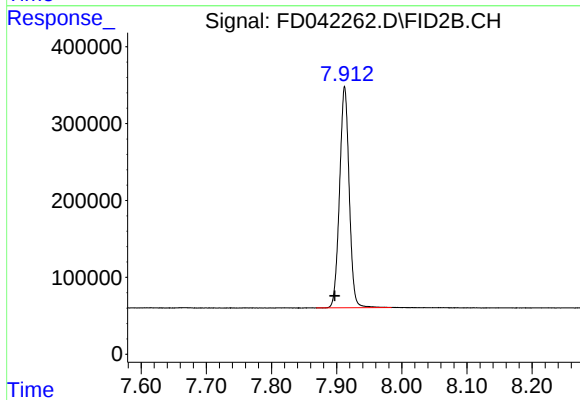
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.739 min
Delta R.T.: -0.007 min
Response: 3014460
Conc: 21.63 ug/ml

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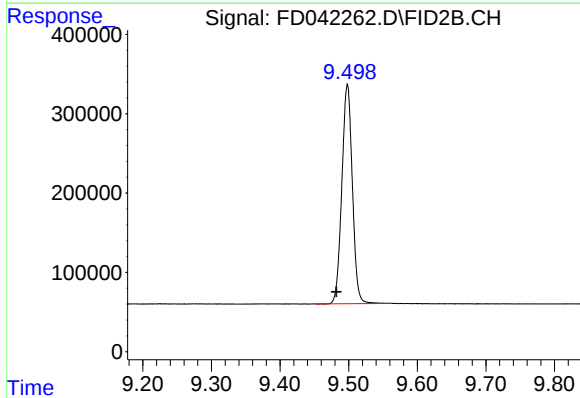
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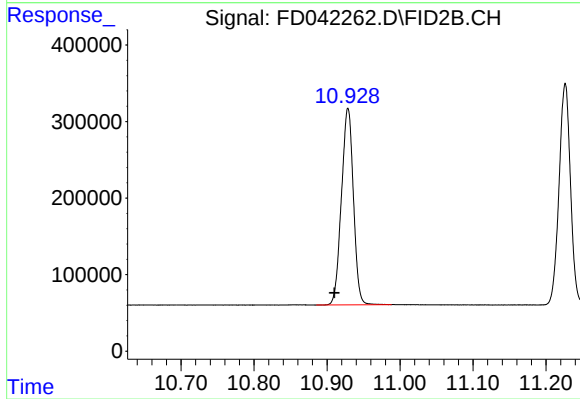
#6 n-Tetradecane (C14)

R.T.: 7.912 min
Delta R.T.: 0.015 min
Response: 2953396
Conc: 20.73 ug/ml



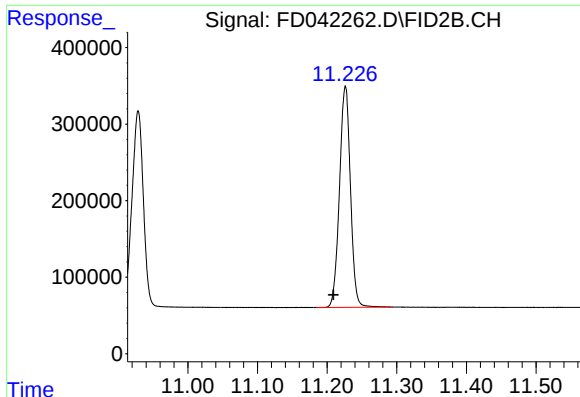
#7 n-Hexadecane (C16)

R.T.: 9.498 min
Delta R.T.: 0.016 min
Response: 2941166
Conc: 20.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.929 min
Delta R.T.: 0.018 min
Response: 2925365
Conc: 19.52 ug/ml



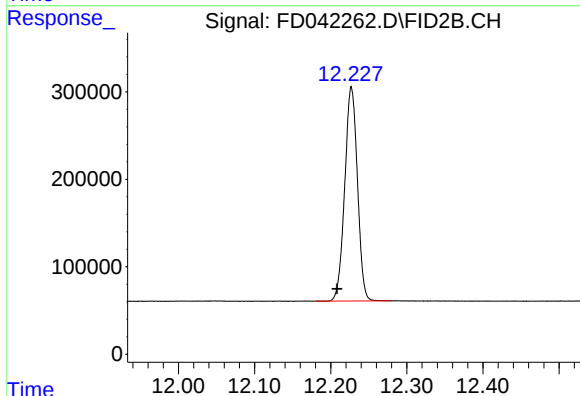
#9 ortho-Terphenyl (SURR)

R.T.: 11.226 min
Delta R.T.: 0.017 min
Response: 3158457
Conc: 18.83 ug/ml

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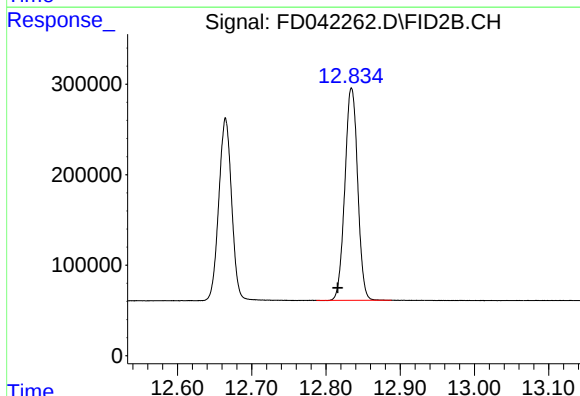
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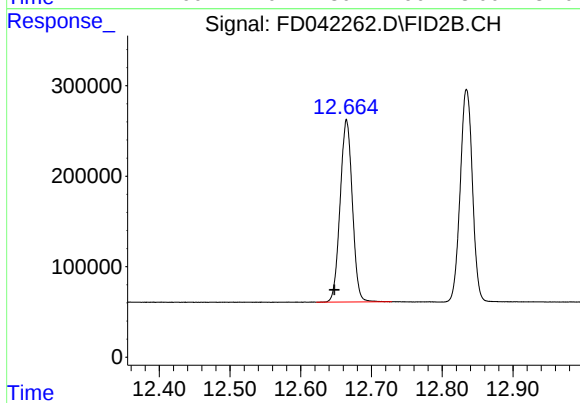
#10 n-Eicosane (C20)

R.T.: 12.227 min
Delta R.T.: 0.019 min
Response: 2837729
Conc: 18.54 ug/ml



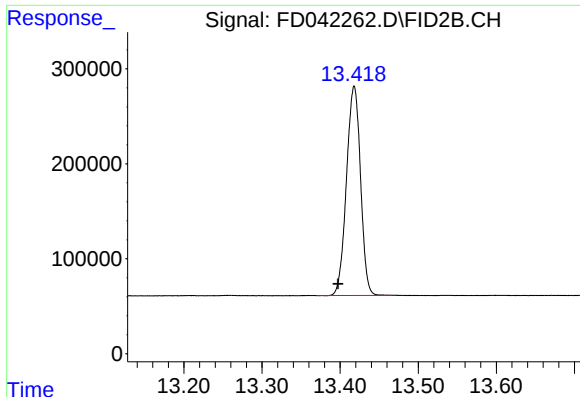
#11 n-Heneicosane (C21)

R.T.: 12.834 min
Delta R.T.: 0.018 min
Response: 2811575
Conc: 18.24 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.665 min
Delta R.T.: 0.017 min
Response: 2417319
Conc: 18.32 ug/ml



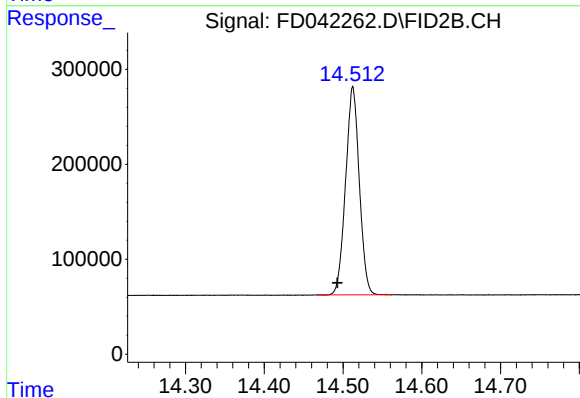
#13 n-Docosane (C22)

R.T.: 13.418 min
Delta R.T.: 0.021 min
Response: 2756920
Conc: 17.89 ug/ml

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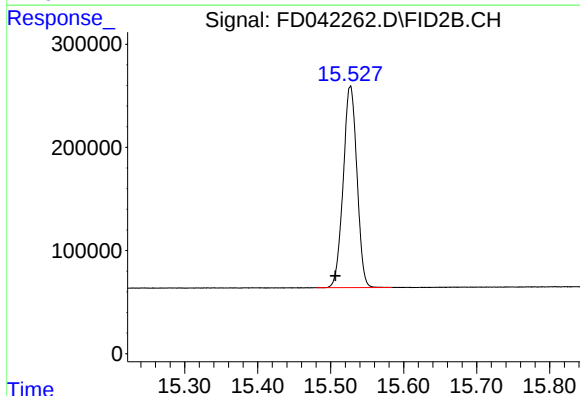
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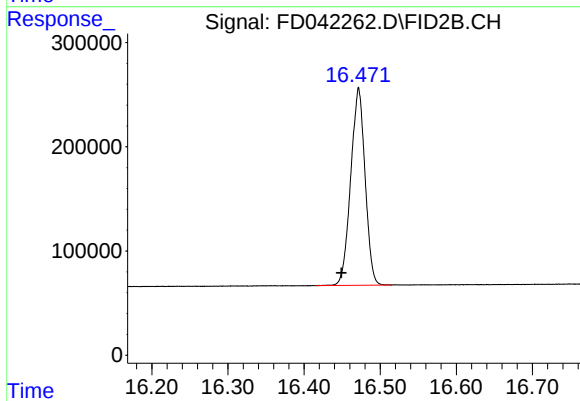
#14 n-Tetracosane (C24)

R.T.: 14.512 min
Delta R.T.: 0.020 min
Response: 2651376
Conc: 17.14 ug/ml



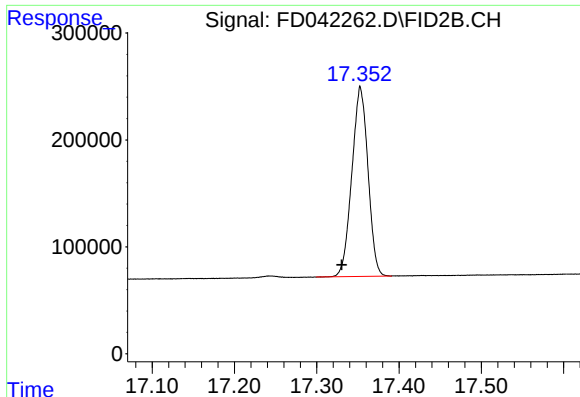
#15 n-Hexacosane (C26)

R.T.: 15.527 min
Delta R.T.: 0.021 min
Response: 2552569
Conc: 16.59 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.472 min
Delta R.T.: 0.023 min
Response: 2481842
Conc: 16.23 ug/ml



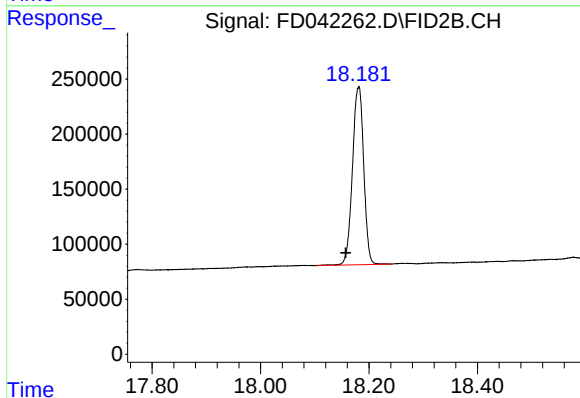
#17 n-Tricontane (C30)

R.T.: 17.353 min
Delta R.T.: 0.022 min
Response: 2413548
Conc: 16.09 ug/ml

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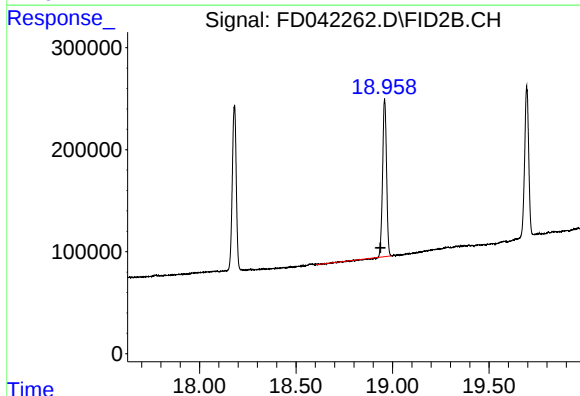
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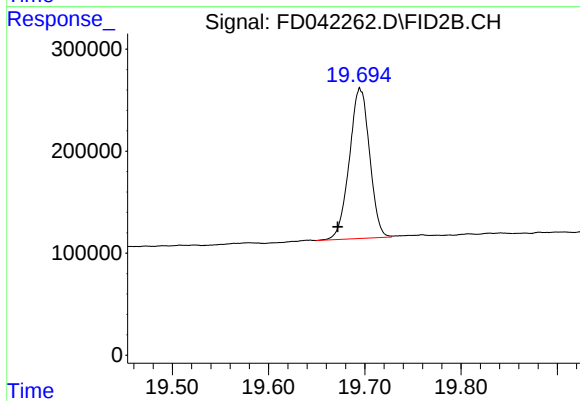
#18 n-Dotriacontane (C32)

R.T.: 18.181 min
Delta R.T.: 0.024 min
Response: 2334261
Conc: 16.51 ug/ml



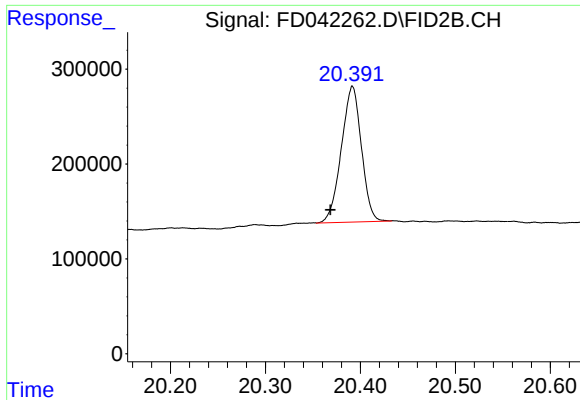
#19 n-Tetratriacontane (C34)

R.T.: 18.959 min
Delta R.T.: 0.022 min
Response: 2149820
Conc: 16.71 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.694 min
Delta R.T.: 0.022 min
Response: 2149895
Conc: 19.00 ug/ml m



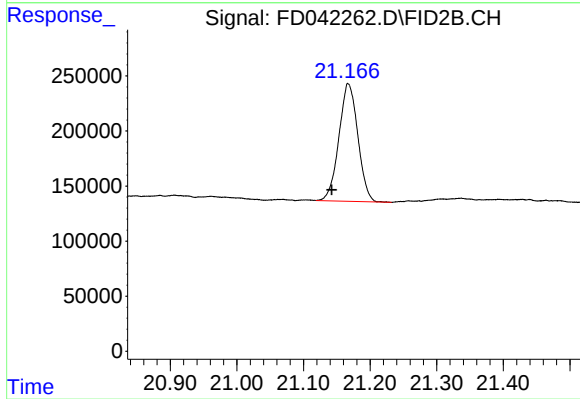
#21 n-Octatriacontane (C38)

R.T.: 20.391 min
Delta R.T.: 0.022 min
Response: 2104023
Conc: 21.09 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.167 min
Delta R.T.: 0.025 min
Response: 2114541
Conc: 23.44 ug/ml