

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD011422AL\
 Data File : FD040621.D
 Signal(s) : FID2B.CH
 Acq On : 14 Jan 2022 19:21
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/17/2022
 Supervised By :Ankita Jodhani 01/17/2022

Integration File: autoint1.e
 Quant Time: Jan 14 20:03:55 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 010422.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 05 07:08:39 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)	10.613	2996868	19.436 ug/ml
Spiked Amount 50.000		Recovery =	38.87%
12) S 1-chlorooctadecane (S...	12.052	2266854	19.259 ug/ml
Spiked Amount 50.000		Recovery =	38.52%
Target Compounds			
1) T n-Nonane (C9)	2.564	2537237	19.763 ug/mlm
2) T n-Decane (C10)	3.549	2602672	20.212 ug/ml
3) T A~Naphthalene (C11.7)	5.079	2877757	20.256 ug/ml
4) T n-Dodecane (C12)	5.517	2636071	20.624 ug/ml
5) T A~2-methylnaphthalene...	6.119	2900677	20.561 ug/ml
6) T n-Tetradecane (C14)	7.294	2711147	20.929 ug/ml
7) T n-Hexadecane (C16)	8.882	2724366	20.911 ug/ml
8) T n-Octadecane (C18)	10.314	2773664	20.470 ug/ml
10) T n-Eicosane (C20)	11.615	2730072	20.071 ug/ml
11) T n-Heneicosane (C21)	12.223	2683771	19.381 ug/ml
13) T n-Docosane (C22)	12.805	2790832	20.240 ug/ml
14) T n-Tetracosane (C24)	13.903	2977622	21.295 ug/ml
15) T n-Hexacosane (C26)	14.917	2991450	21.701 ug/ml
16) T n-Octacosane (C28)	15.862	3066690	22.601 ug/ml
17) T n-Tricontane (C30)	16.744	3082287	23.648 ug/ml
18) T n-Dotriacontane (C32)	17.572	2844817	23.797 ug/ml
19) T n-Tetratriacontane (C34)	18.350	2493329	23.680 ug/mlm
20) T n-Hexatriacontane (C36)	19.088	2149197	21.210 ug/mlm
21) T n-Octatriacontane (C38)	19.787	1948141	21.805 ug/mlm
22) T n-Tetracontane (C40)	20.584	1871412	21.893 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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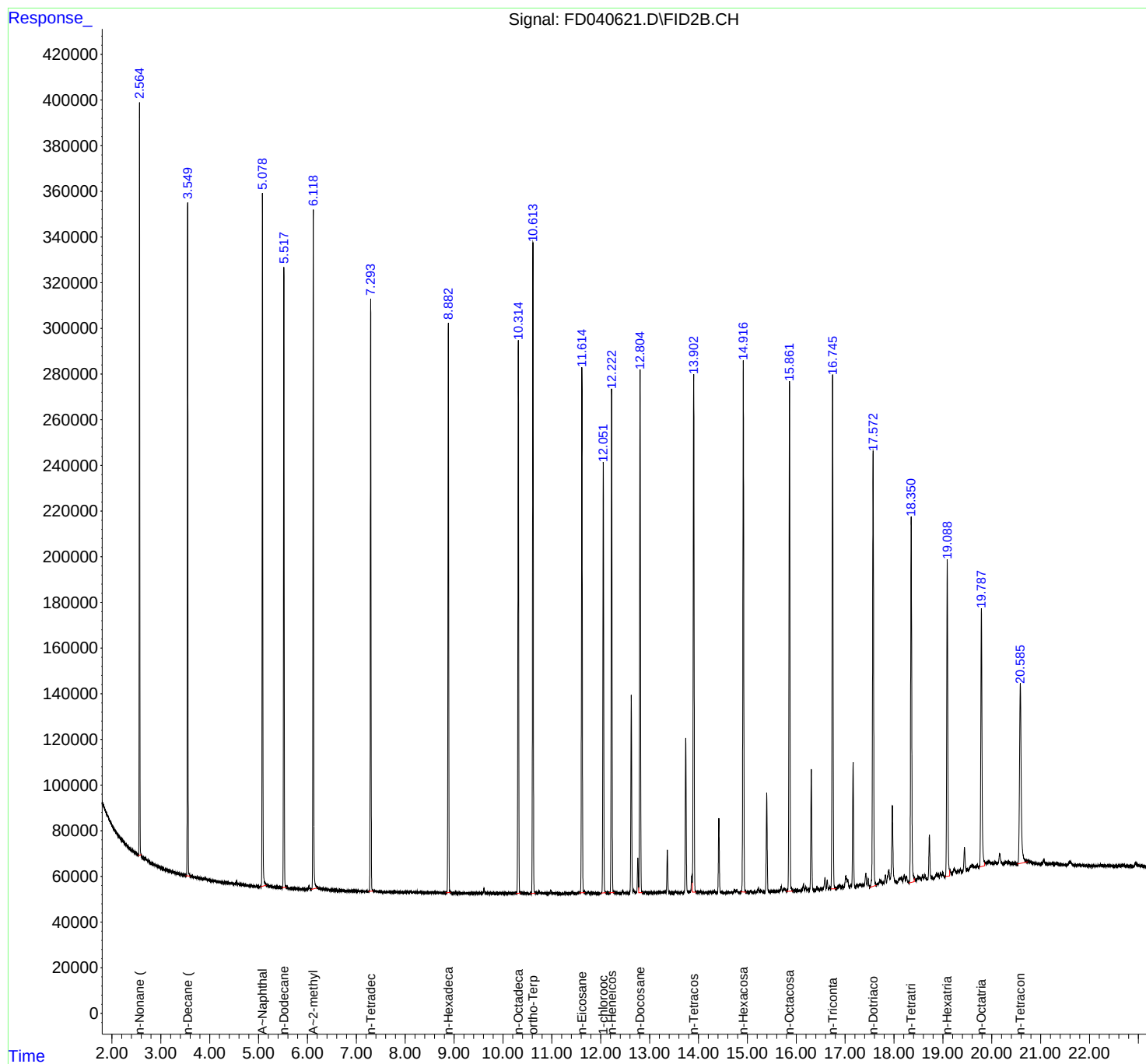
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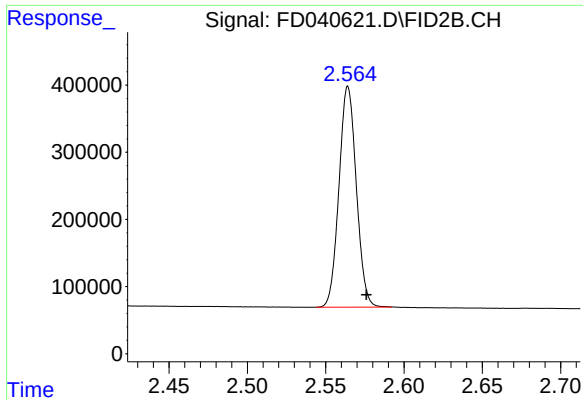
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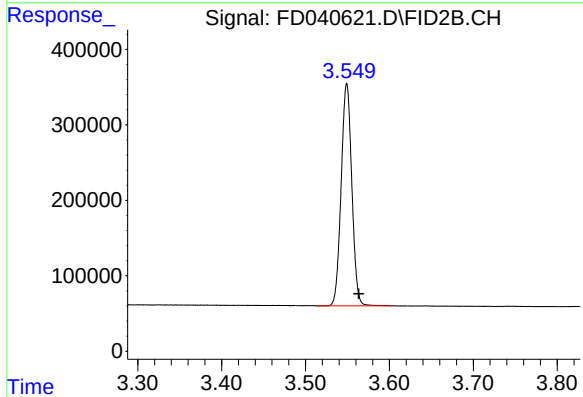
#1 n-Nonane (C9)

R.T.: 2.564 min
Delta R.T.: -0.012 min
Response: 2537237
Conc: 19.76 ug/ml

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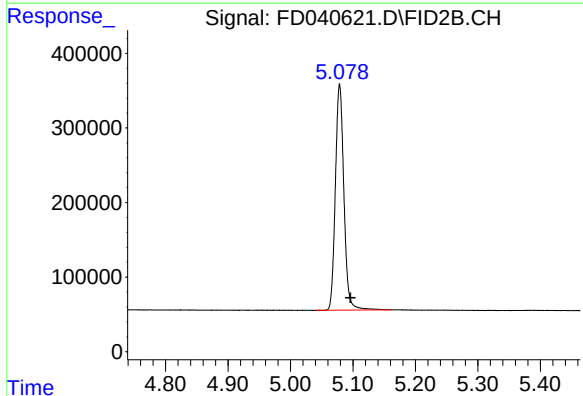
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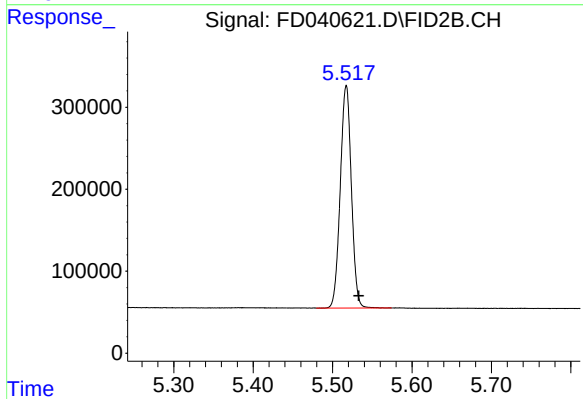
#2 n-Decane (C10)

R.T.: 3.549 min
Delta R.T.: -0.014 min
Response: 2602672
Conc: 20.21 ug/ml



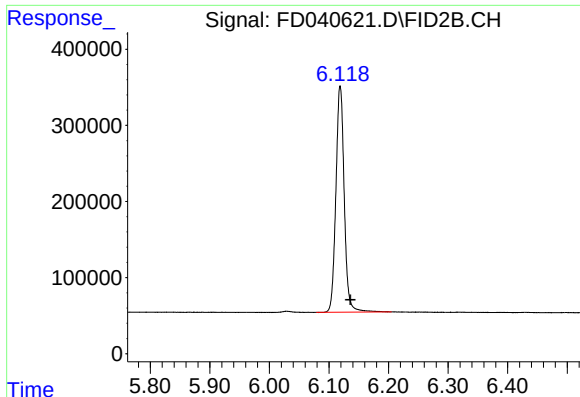
#3 A~Naphthalene (C11.7)

R.T.: 5.079 min
Delta R.T.: -0.017 min
Response: 2877757
Conc: 20.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.517 min
Delta R.T.: -0.016 min
Response: 2636071
Conc: 20.62 ug/ml



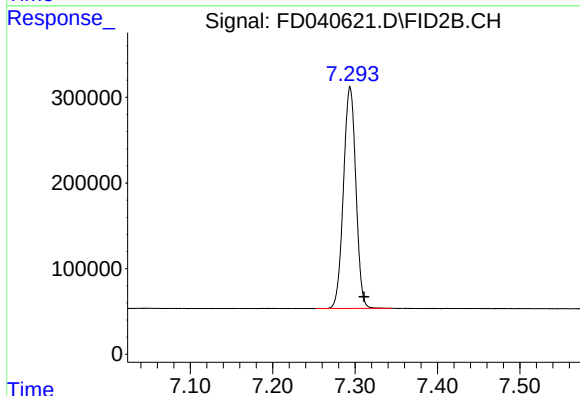
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.119 min
Delta R.T.: -0.017 min
Response: 2900677
Conc: 20.56 ug/ml

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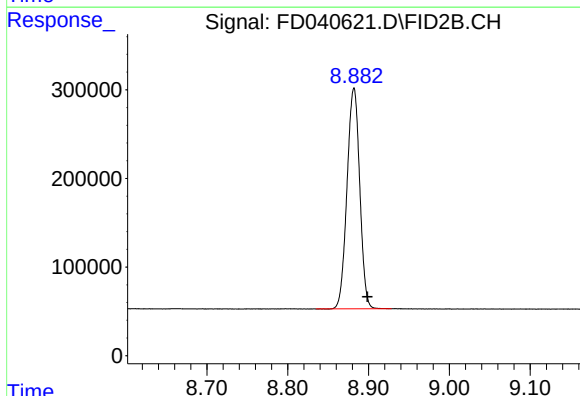
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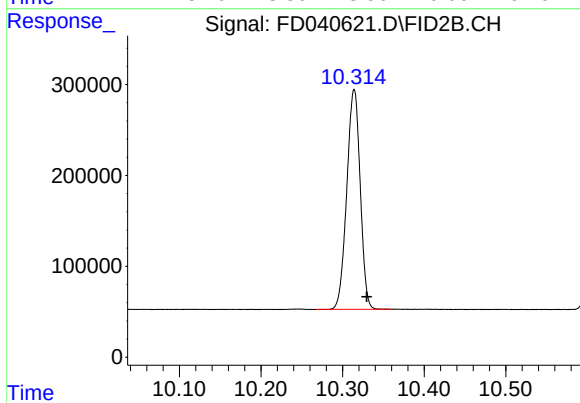
#6 n-Tetradecane (C14)

R.T.: 7.294 min
Delta R.T.: -0.017 min
Response: 2711147
Conc: 20.93 ug/ml



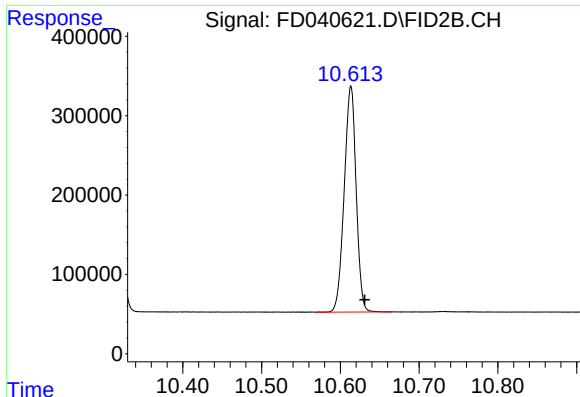
#7 n-Hexadecane (C16)

R.T.: 8.882 min
Delta R.T.: -0.016 min
Response: 2724366
Conc: 20.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.314 min
Delta R.T.: -0.016 min
Response: 2773664
Conc: 20.47 ug/ml



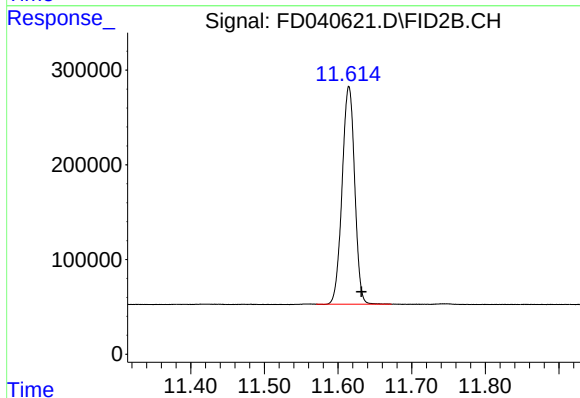
#9 ortho-Terphenyl (SURR)

R.T.: 10.613 min
Delta R.T.: -0.018 min
Response: 2996868
Conc: 19.44 ug/ml

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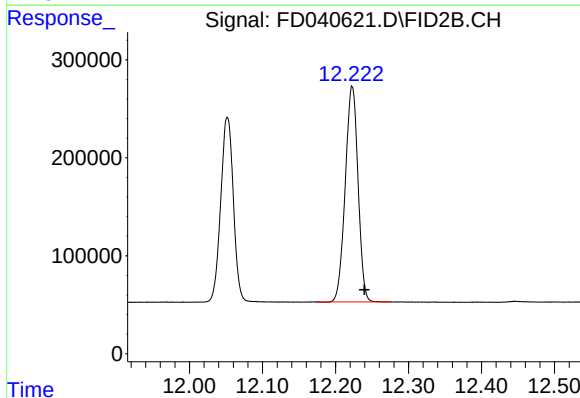
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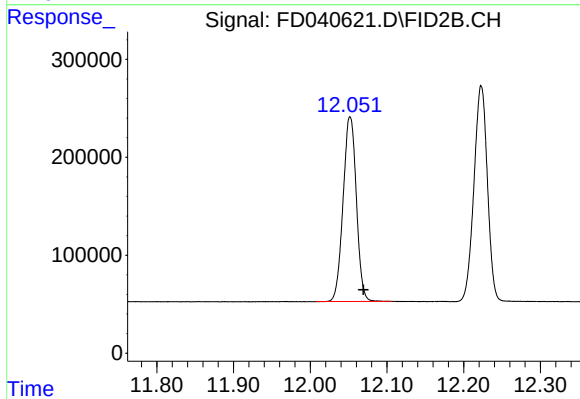
#10 n-Eicosane (C20)

R.T.: 11.615 min
Delta R.T.: -0.017 min
Response: 2730072
Conc: 20.07 ug/ml



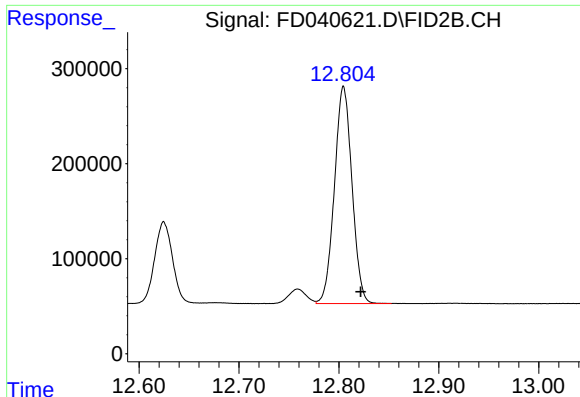
#11 n-Heneicosane (C21)

R.T.: 12.223 min
Delta R.T.: -0.017 min
Response: 2683771
Conc: 19.38 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.052 min
Delta R.T.: -0.017 min
Response: 2266854
Conc: 19.26 ug/ml



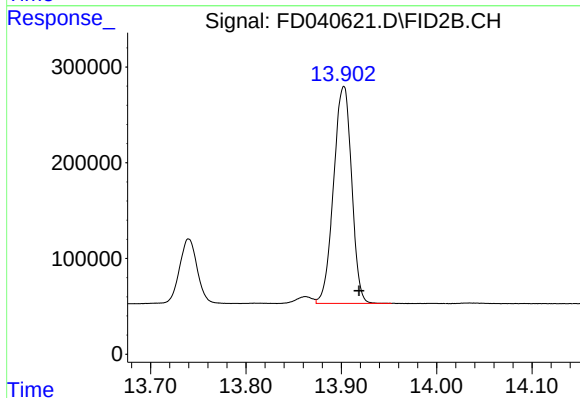
#13 n-Docosane (C22)

R.T.: 12.805 min
Delta R.T.: -0.017 min
Response: 2790832
Conc: 20.24 ug/ml

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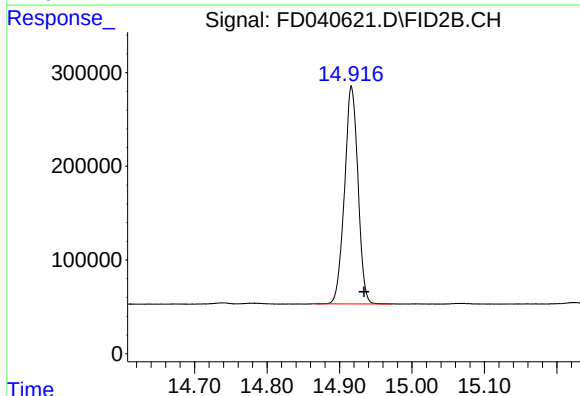
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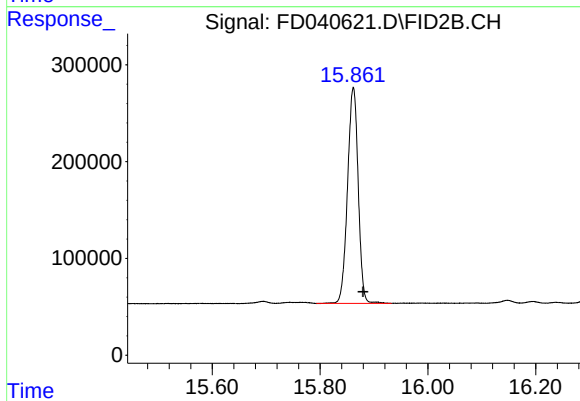
#14 n-Tetracosane (C24)

R.T.: 13.903 min
Delta R.T.: -0.016 min
Response: 2977622
Conc: 21.30 ug/ml



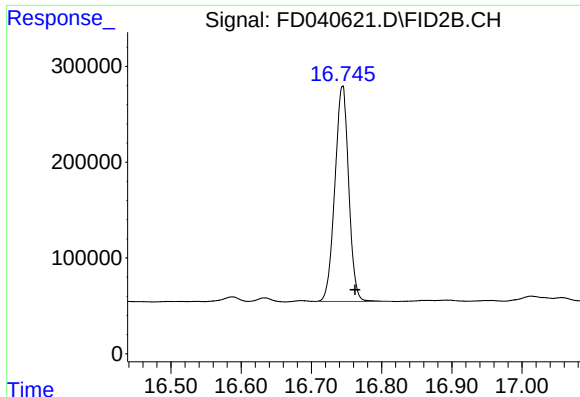
#15 n-Hexacosane (C26)

R.T.: 14.917 min
Delta R.T.: -0.017 min
Response: 2991450
Conc: 21.70 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.862 min
Delta R.T.: -0.018 min
Response: 3066690
Conc: 22.60 ug/ml



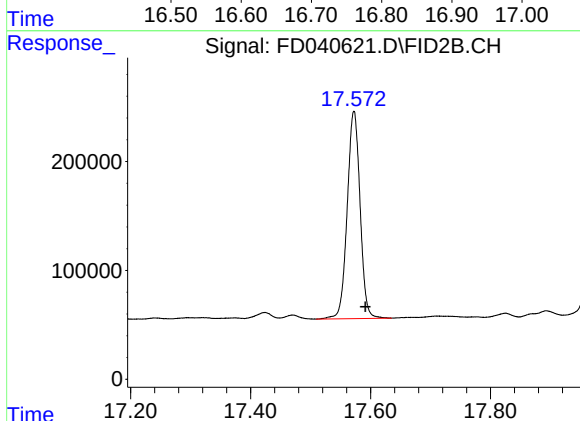
#17 n-Tricontane (C30)

R.T.: 16.744 min
Delta R.T.: -0.018 min
Response: 3082287
Conc: 23.65 ug/ml

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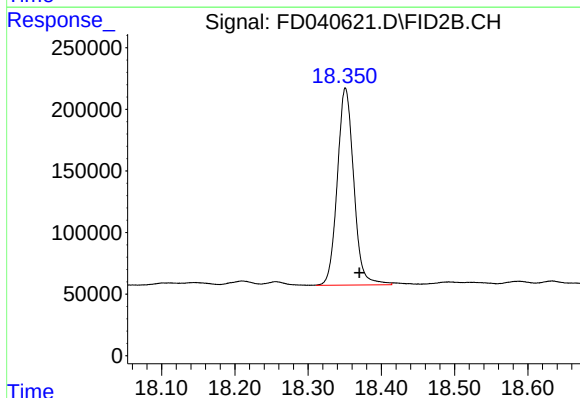
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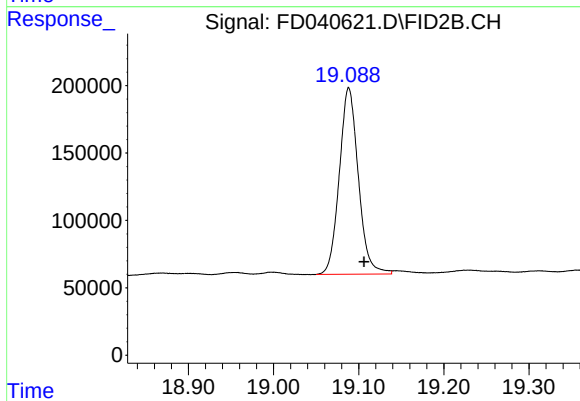
#18 n-Dotriacontane (C32)

R.T.: 17.572 min
Delta R.T.: -0.019 min
Response: 2844817
Conc: 23.80 ug/ml



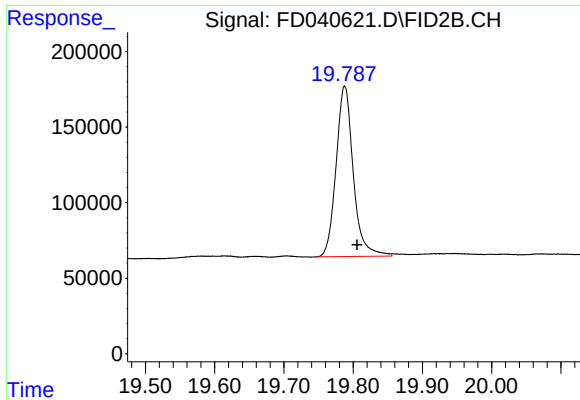
#19 n-Tetratriacontane (C34)

R.T.: 18.350 min
Delta R.T.: -0.020 min
Response: 2493329
Conc: 23.68 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.088 min
Delta R.T.: -0.019 min
Response: 2149197
Conc: 21.21 ug/ml m



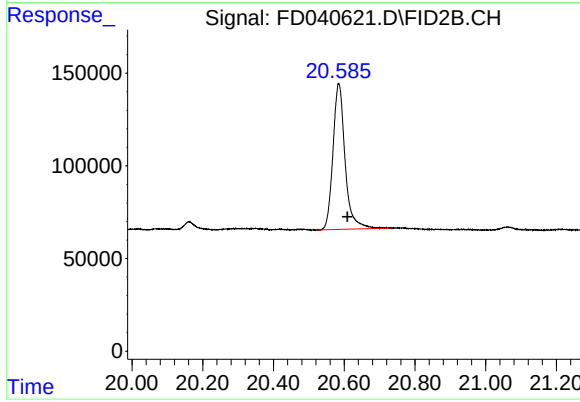
#21 n-Octatriacontane (C38)

R.T.: 19.787 min
Delta R.T.: -0.019 min
Response: 1948141
Conc: 21.80 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.584 min
Delta R.T.: -0.025 min
Response: 1871412
Conc: 21.89 ug/ml