

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080824AL\
 Data File : FC066974.D
 Signal(s) : FID1A.ch
 Acq On : 08 Aug 2024 08:53
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/09/2024
 Supervised By :Ankita Jodhani 08/09/2024

Integration File: autoint1.e
 Quant Time: Aug 09 02:47:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 13:58:41 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)	11.511	3021687	19.627 ug/ml
Spiked Amount 50.000		Recovery =	39.25%
12) S 1-chlorooctadecane (S...	12.950	2254112	20.159 ug/ml
Spiked Amount 50.000		Recovery =	40.32%
Target Compounds			
1) T n-Nonane (C9)	3.280	2740919	19.317 ug/ml
2) T n-Decane (C10)	4.346	2895263	19.585 ug/ml
3) T A~Naphthalene (C11.7)	5.926	3077003	19.268 ug/ml
4) T n-Dodecane (C12)	6.364	2920159	19.478 ug/ml
5) T A~2-methylnaphthalene...	6.982	2949206	19.238 ug/ml
6) T n-Tetradecane (C14)	8.158	2874902	19.649 ug/ml
7) T n-Hexadecane (C16)	9.758	2947342	19.693 ug/ml
8) T n-Octadecane (C18)	11.199	2967566	19.997 ug/ml
10) T n-Eicosane (C20)	12.507	2787501	19.999 ug/ml
11) T n-Heneicosane (C21)	13.119	2707121	19.875 ug/ml
13) T n-Docosane (C22)	13.704	2675072	19.916 ug/ml
14) T n-Tetracosane (C24)	14.806	2625942	19.742 ug/ml
15) T n-Hexacosane (C26)	15.827	2557070	19.652 ug/ml
16) T n-Octacosane (C28)	16.775	2549490	20.209 ug/ml
17) T n-Tricontane (C30)	17.663	2715502	21.117 ug/ml
18) T n-Dotriacontane (C32)	18.493	2742336	21.783 ug/ml
19) T n-Tetratriacontane (C34)	19.277	2606352	21.067 ug/ml
20) T n-Hexatriacontane (C36)	20.016	2402880	20.657 ug/ml
21) T n-Octatriacontane (C38)	20.742	2274922	20.475 ug/ml
22) T n-Tetracontane (C40)	21.636	2188044	20.127 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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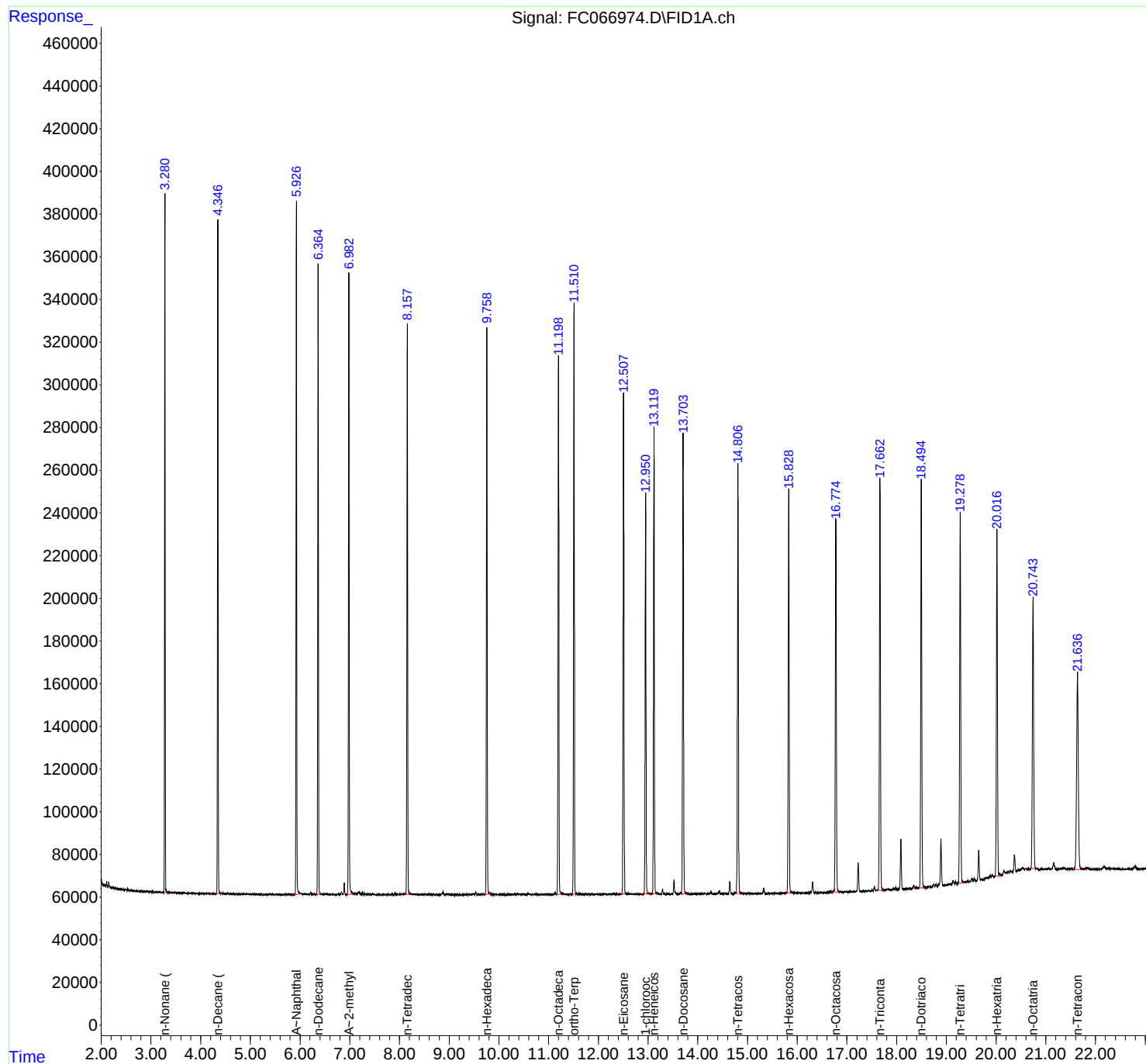
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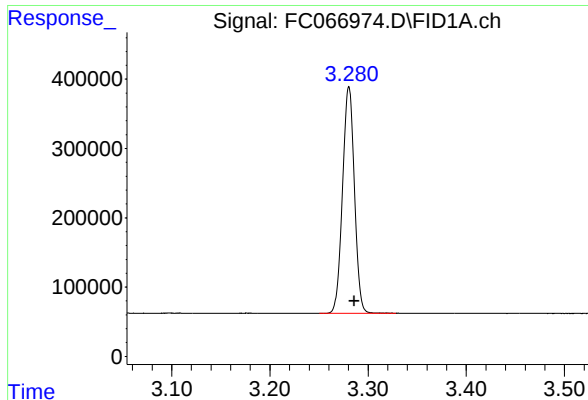
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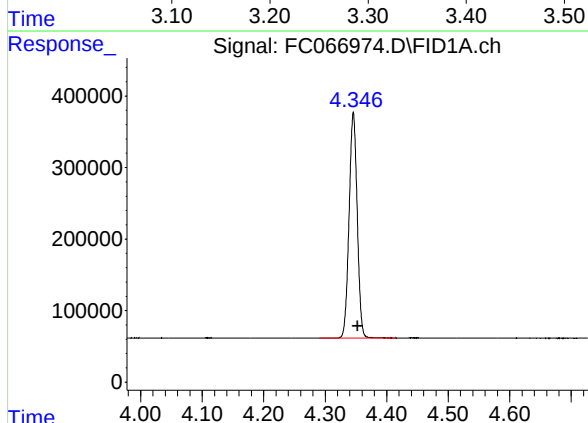
#1 n-Nonane (C9)

R.T.: 3.280 min
Delta R.T.: -0.006 min
Response: 2740919
Conc: 19.32 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

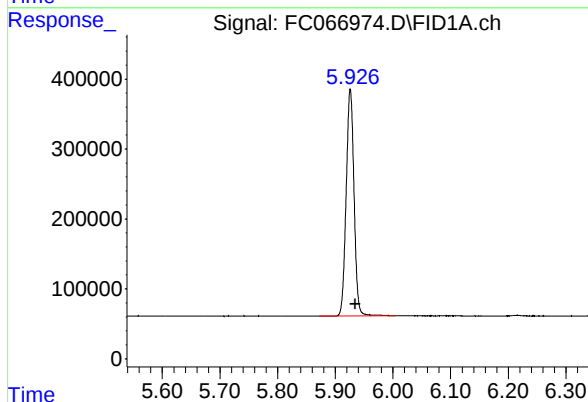
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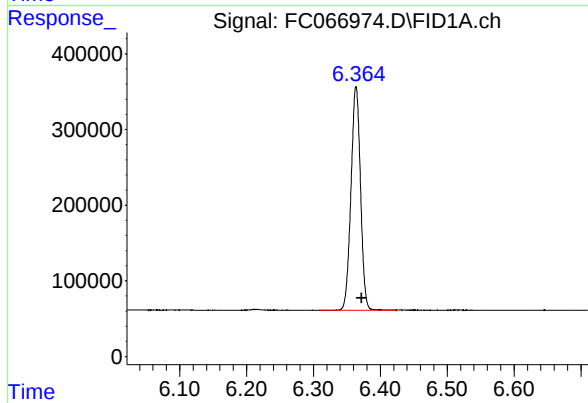
#2 n-Decane (C10)

R.T.: 4.346 min
Delta R.T.: -0.007 min
Response: 2895263
Conc: 19.59 ug/ml



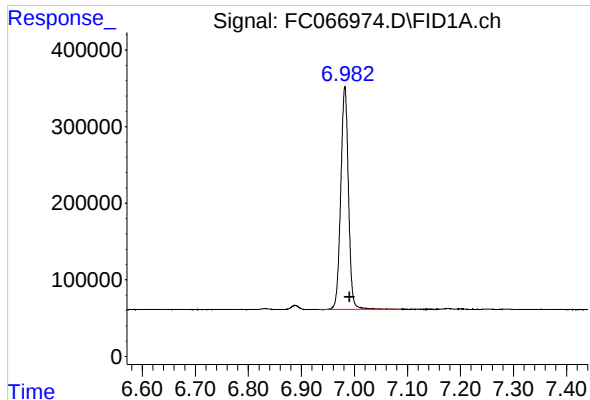
#3 A~Naphthalene (C11.7)

R.T.: 5.926 min
Delta R.T.: -0.009 min
Response: 3077003
Conc: 19.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.364 min
Delta R.T.: -0.008 min
Response: 2920159
Conc: 19.48 ug/ml



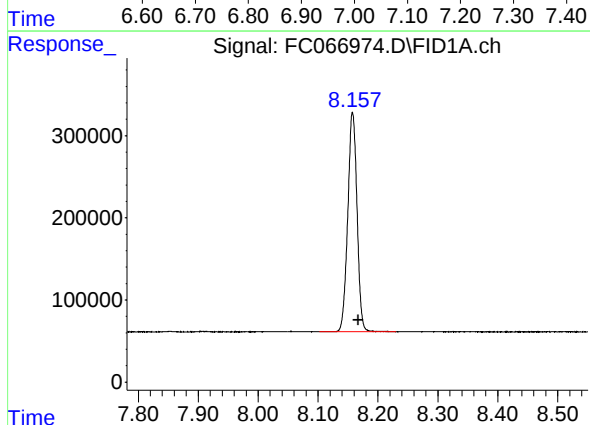
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.982 min
Delta R.T.: -0.009 min
Response: 2949206
Conc: 19.24 ug/ml

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20 PPM ALIPHATIC HC STD

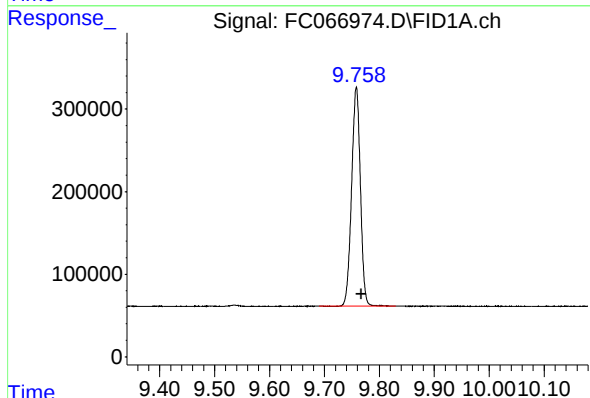
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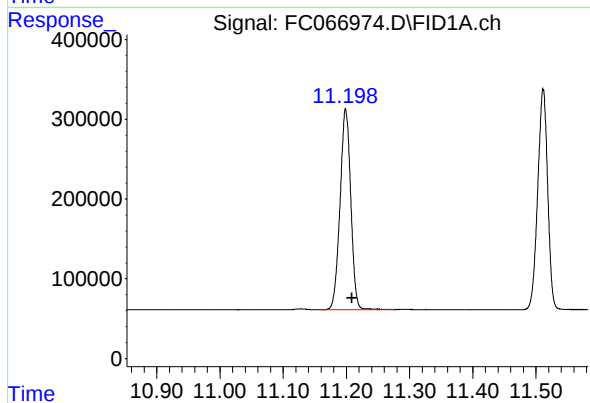
#6 n-Tetradecane (C14)

R.T.: 8.158 min
Delta R.T.: -0.009 min
Response: 2874902
Conc: 19.65 ug/ml



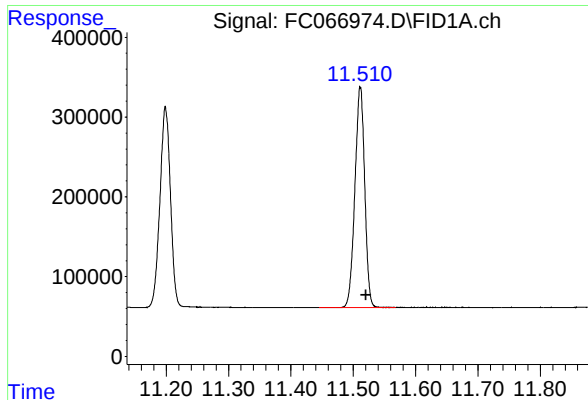
#7 n-Hexadecane (C16)

R.T.: 9.758 min
Delta R.T.: -0.009 min
Response: 2947342
Conc: 19.69 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.199 min
Delta R.T.: -0.010 min
Response: 2967566
Conc: 20.00 ug/ml



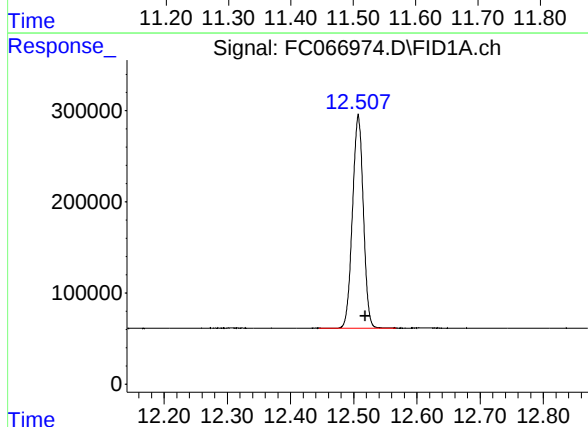
#9 ortho-Terphenyl (SURR)

R.T.: 11.511 min
Delta R.T.: -0.009 min
Response: 3021687
Conc: 19.63 ug/ml

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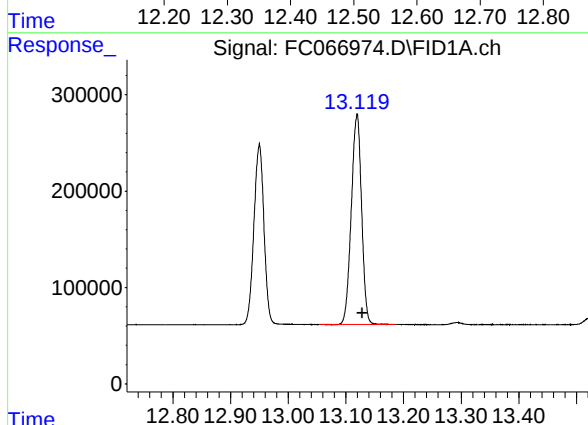
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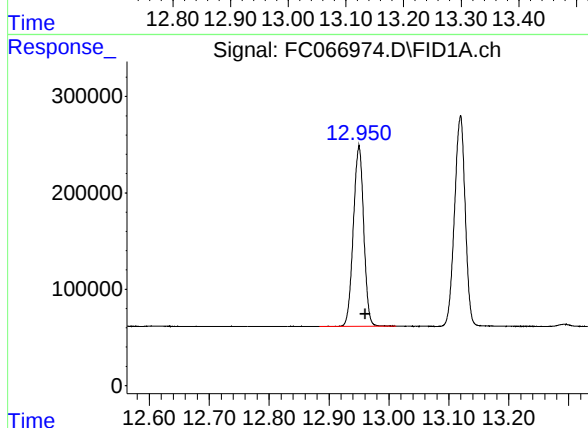
#10 n-Eicosane (C20)

R.T.: 12.507 min
Delta R.T.: -0.011 min
Response: 2787501
Conc: 20.00 ug/ml



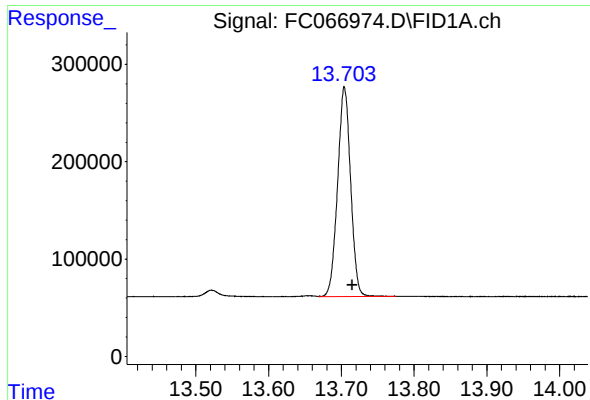
#11 n-Heneicosane (C21)

R.T.: 13.119 min
Delta R.T.: -0.009 min
Response: 2707121
Conc: 19.87 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.950 min
Delta R.T.: -0.011 min
Response: 2254112
Conc: 20.16 ug/ml



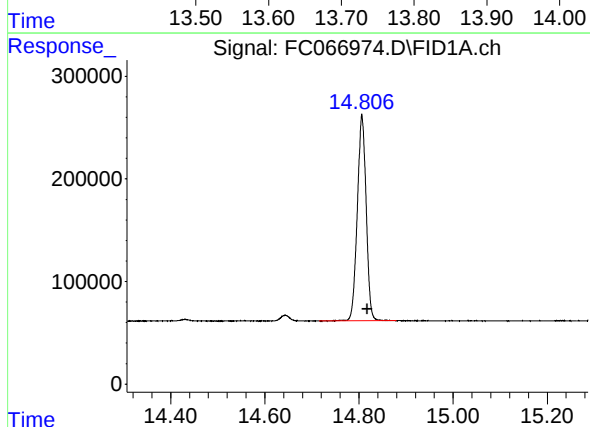
#13 n-Docosane (C22)

R.T.: 13.704 min
Delta R.T.: -0.011 min
Response: 2675072
Conc: 19.92 ug/ml

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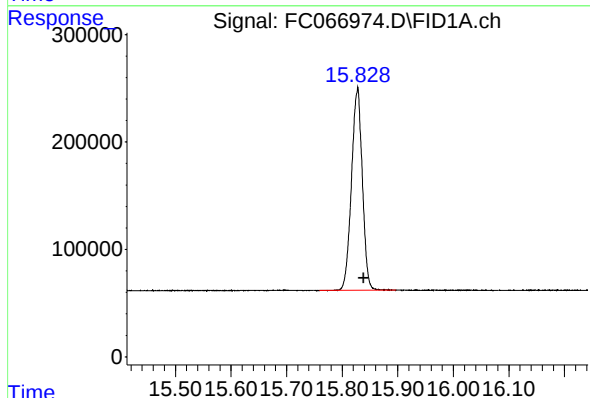
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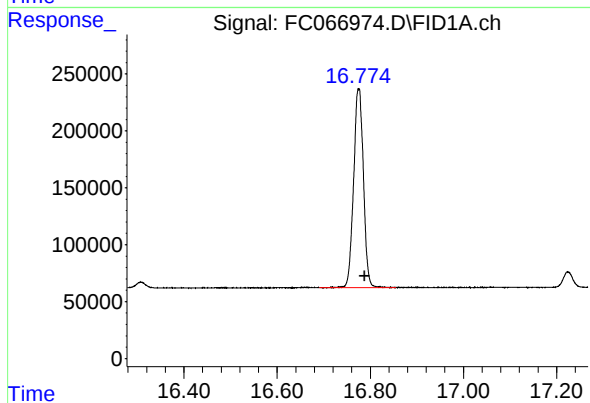
#14 n-Tetracosane (C24)

R.T.: 14.806 min
Delta R.T.: -0.011 min
Response: 2625942
Conc: 19.74 ug/ml



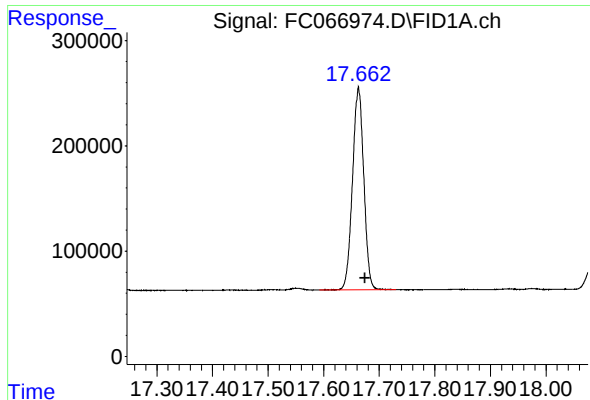
#15 n-Hexacosane (C26)

R.T.: 15.827 min
Delta R.T.: -0.011 min
Response: 2557070
Conc: 19.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.775 min
Delta R.T.: -0.012 min
Response: 2549490
Conc: 20.21 ug/ml



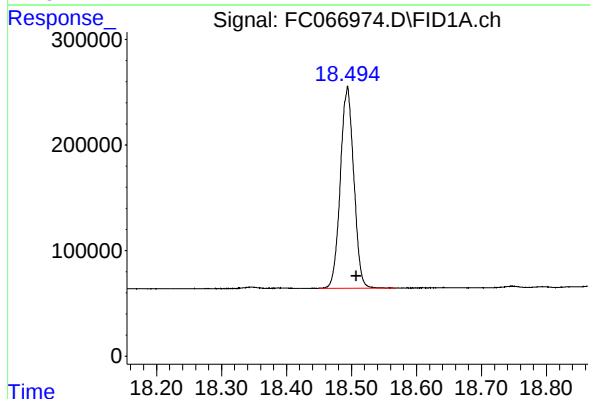
#17 n-Tricontane (C30)

R.T.: 17.663 min
Delta R.T.: -0.012 min
Response: 2715502
Conc: 21.12 ug/ml

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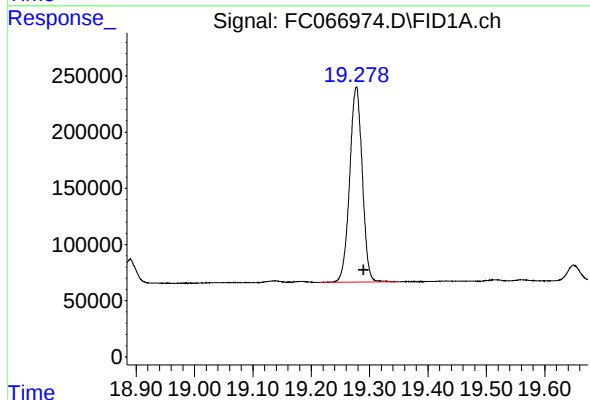
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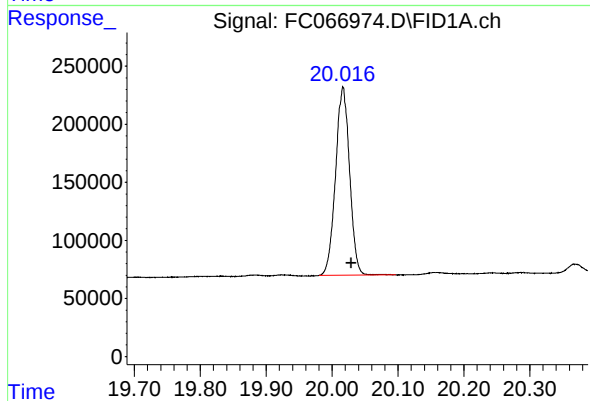
#18 n-Dotriacontane (C32)

R.T.: 18.493 min
Delta R.T.: -0.014 min
Response: 2742336
Conc: 21.78 ug/ml



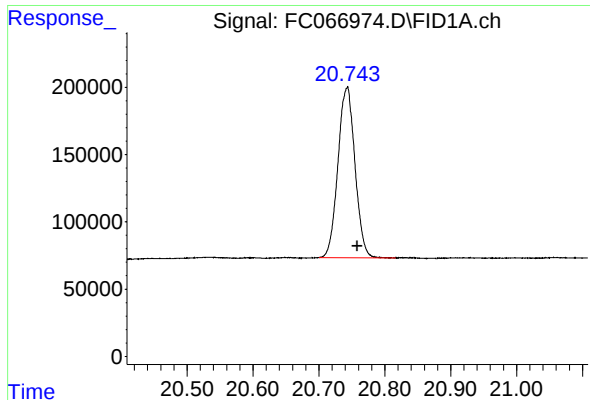
#19 n-Tetratriacontane (C34)

R.T.: 19.277 min
Delta R.T.: -0.013 min
Response: 2606352
Conc: 21.07 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.016 min
Delta R.T.: -0.013 min
Response: 2402880
Conc: 20.66 ug/ml



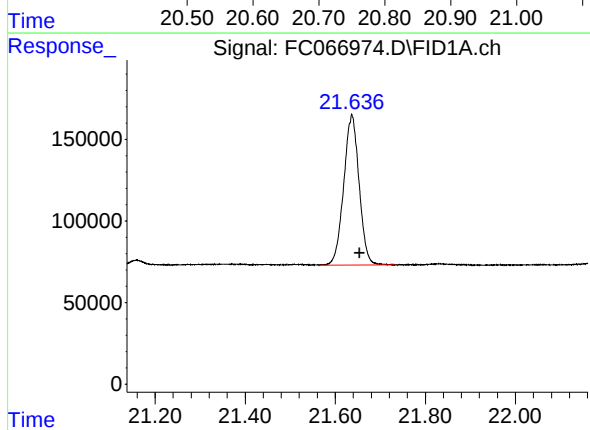
#21 n-Octatriacontane (C38)

R.T.: 20.742 min
Delta R.T.: -0.016 min
Response: 2274922
Conc: 20.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.636 min
Delta R.T.: -0.018 min
Response: 2188044
Conc: 20.13 ug/ml m