

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061224AL\
 Data File : FC066598.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2024 02:20
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2024
 Supervised By :Ankita Jodhani 06/13/2024

Integration File: autoint1.e
 Quant Time: Jun 13 04:30:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052824.M
 Quant Title : GC Extractables
 QLast Update : Tue May 28 12:26:07 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)	11.554	2868231	18.870 ug/ml
Spiked Amount 50.000		Recovery =	37.74%
12) S 1-chlorooctadecane (S...	12.992	2197760	19.233 ug/ml
Spiked Amount 50.000		Recovery =	38.47%
Target Compounds			
1) T n-Nonane (C9)	3.303	2707403	19.345 ug/ml
2) T n-Decane (C10)	4.372	2792856	19.410 ug/ml
3) T A~Naphthalene (C11.7)	5.961	3045673	19.113 ug/ml
4) T n-Dodecane (C12)	6.395	2764131	19.196 ug/ml
5) T A~2-methylnaphthalene...	7.019	2923268	19.061 ug/ml
6) T n-Tetradecane (C14)	8.191	2699043	19.119 ug/ml
7) T n-Hexadecane (C16)	9.794	2753354	19.158 ug/ml
8) T n-Octadecane (C18)	11.237	2739809	19.145 ug/ml
10) T n-Eicosane (C20)	12.548	2602412	19.126 ug/ml
11) T n-Heneicosane (C21)	13.160	2553279	19.154 ug/ml
13) T n-Docosane (C22)	13.747	2550663	19.353 ug/ml
14) T n-Tetracosane (C24)	14.850	2536221	19.483 ug/ml
15) T n-Hexacosane (C26)	15.871	2504053	19.689 ug/ml
16) T n-Octacosane (C28)	16.821	2562717	20.642 ug/mlm
17) T n-Tricontane (C30)	17.711	2767900	21.963 ug/ml
18) T n-Dotriacontane (C32)	18.544	2745461	22.307 ug/ml
19) T n-Tetratriacontane (C34)	19.328	2659983	22.180 ug/ml
20) T n-Hexatriacontane (C36)	20.069	2482823	20.493 ug/mlm
21) T n-Octatriacontane (C38)	20.805	2332023	20.159 ug/ml
22) T n-Tetracontane (C40)	21.717	2785444	22.739 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
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Misc :
ALS Vial : 3 Sample Multiplier: 1

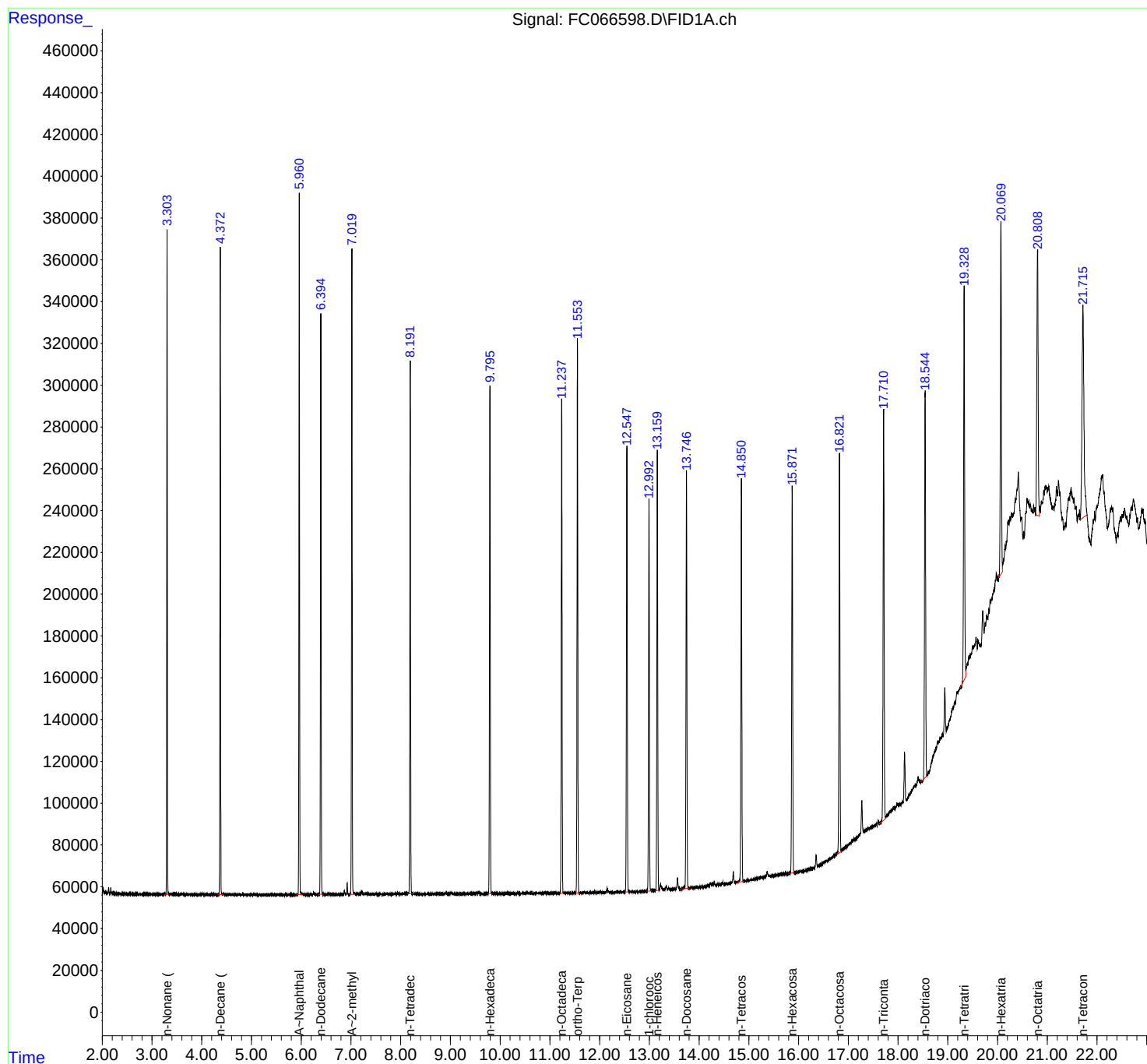
Instrument :
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20 PPM ALIPHATIC HC STD

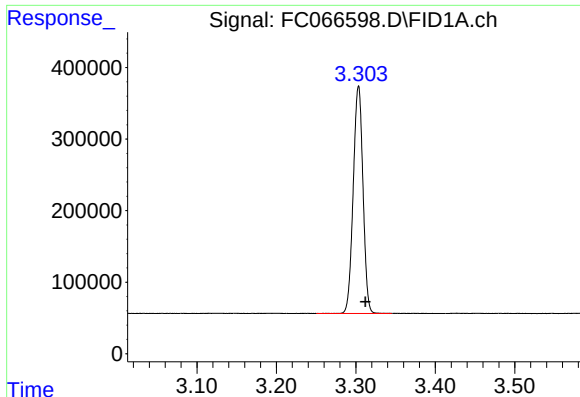
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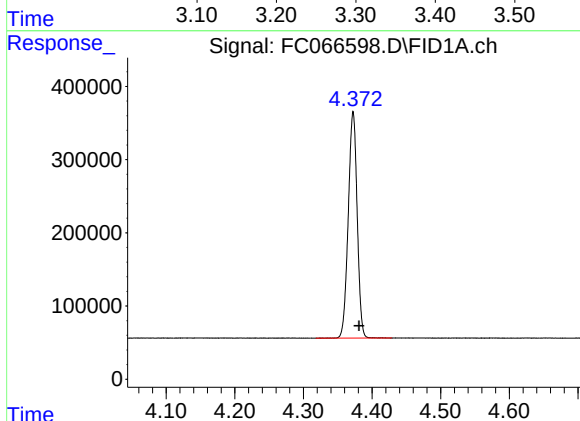
#1 n-Nonane (C9)

R.T.: 3.303 min
Delta R.T.: -0.009 min
Response: 2707403
Conc: 19.34 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

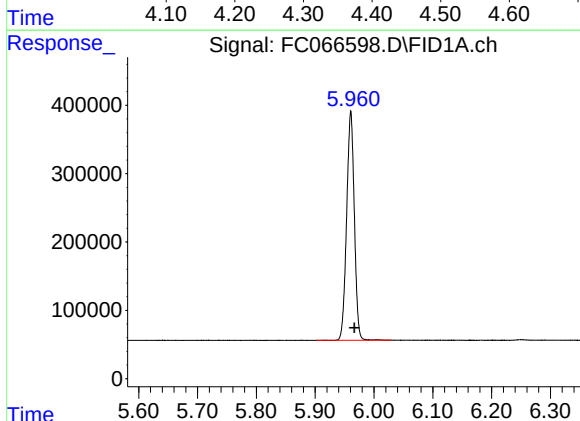
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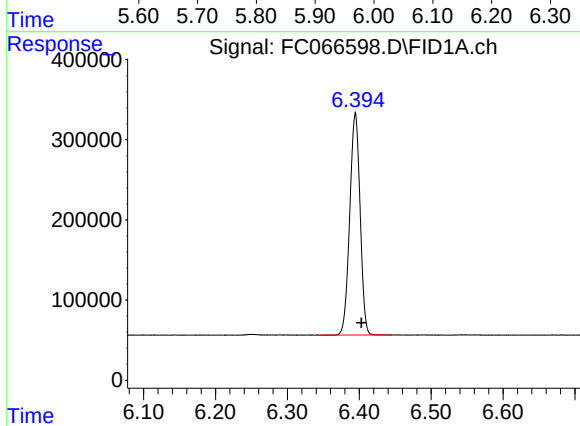
#2 n-Decane (C10)

R.T.: 4.372 min
Delta R.T.: -0.009 min
Response: 2792856
Conc: 19.41 ug/ml



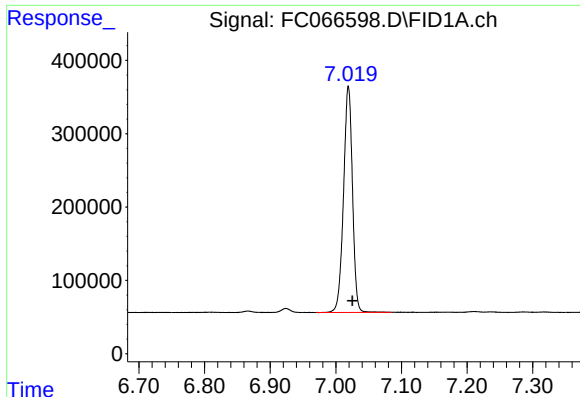
#3 A~Naphthalene (C11.7)

R.T.: 5.961 min
Delta R.T.: -0.006 min
Response: 3045673
Conc: 19.11 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.395 min
Delta R.T.: -0.009 min
Response: 2764131
Conc: 19.20 ug/ml



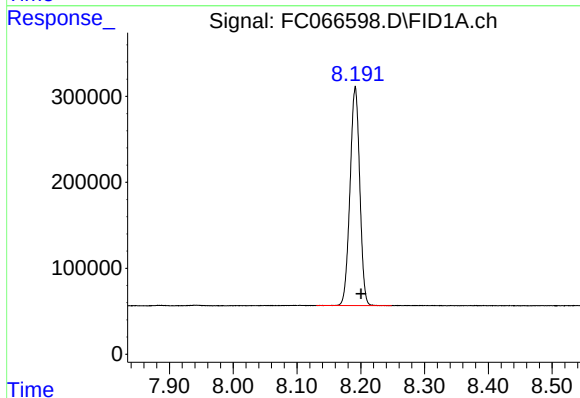
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.019 min
Delta R.T.: -0.006 min
Response: 2923268
Conc: 19.06 ug/ml

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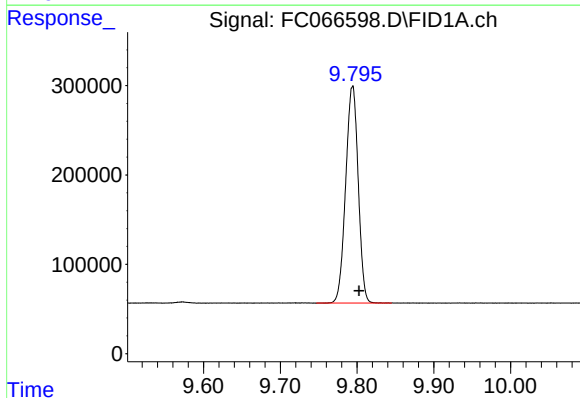
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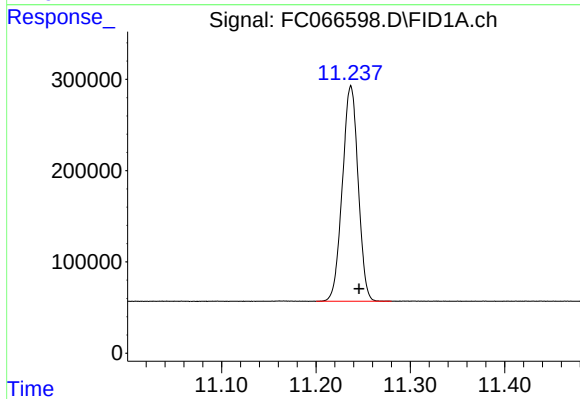
#6 n-Tetradecane (C14)

R.T.: 8.191 min
Delta R.T.: -0.009 min
Response: 2699043
Conc: 19.12 ug/ml



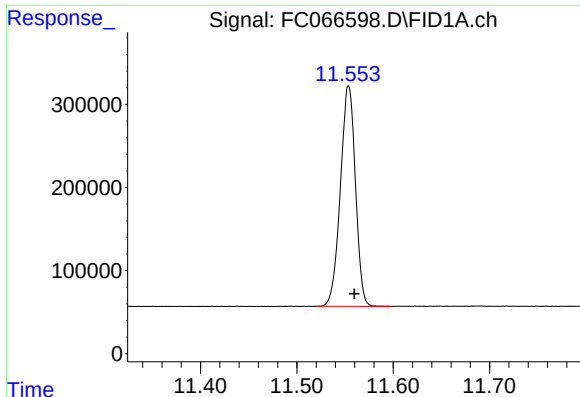
#7 n-Hexadecane (C16)

R.T.: 9.794 min
Delta R.T.: -0.009 min
Response: 2753354
Conc: 19.16 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.237 min
Delta R.T.: -0.009 min
Response: 2739809
Conc: 19.15 ug/ml



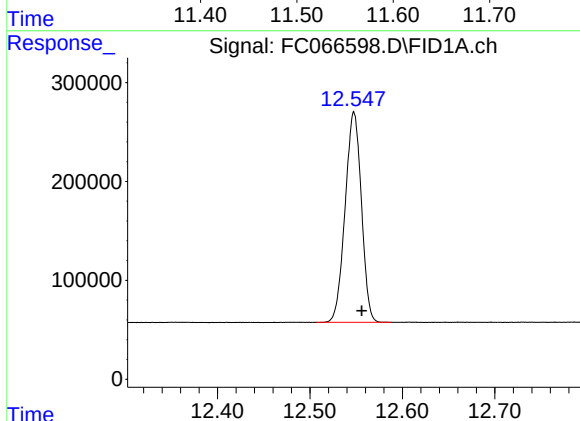
#9 ortho-Terphenyl (SURR)

R.T.: 11.554 min
Delta R.T.: -0.006 min
Response: 2868231
Conc: 18.87 ug/ml

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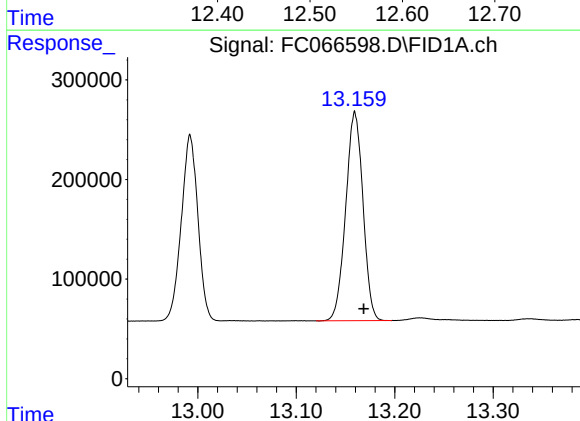
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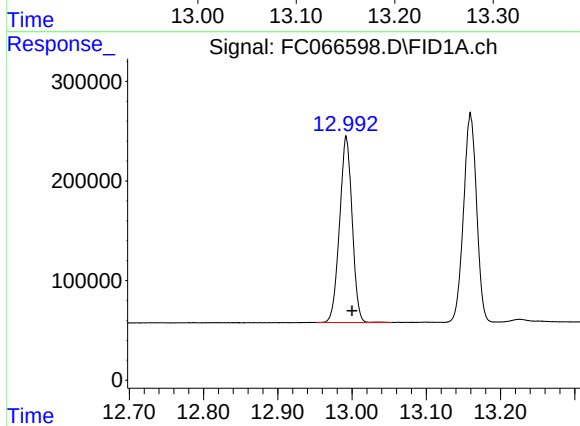
#10 n-Eicosane (C20)

R.T.: 12.548 min
Delta R.T.: -0.009 min
Response: 2602412
Conc: 19.13 ug/ml



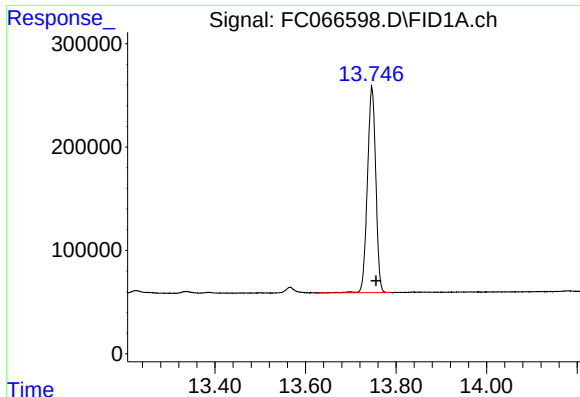
#11 n-Heneicosane (C21)

R.T.: 13.160 min
Delta R.T.: -0.009 min
Response: 2553279
Conc: 19.15 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.992 min
Delta R.T.: -0.008 min
Response: 2197760
Conc: 19.23 ug/ml



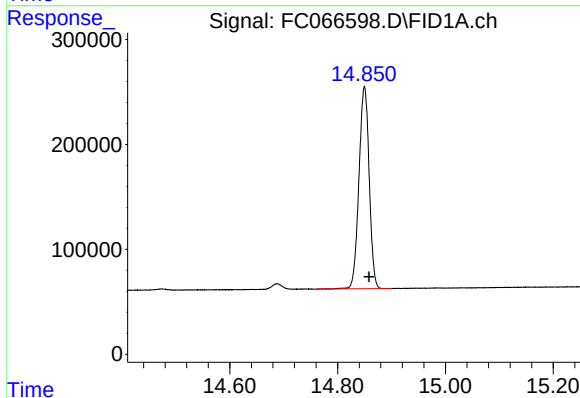
#13 n-Docosane (C22)

R.T.: 13.747 min
Delta R.T.: -0.009 min
Response: 2550663
Conc: 19.35 ug/ml

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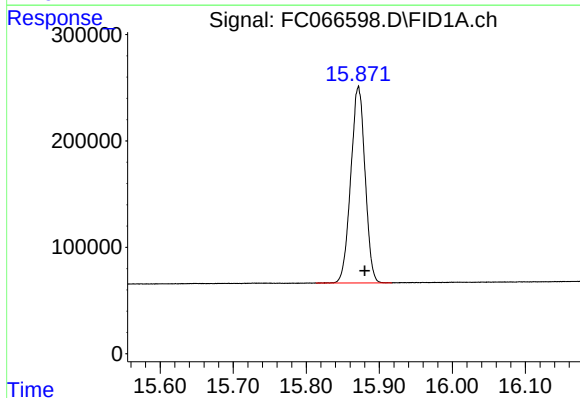
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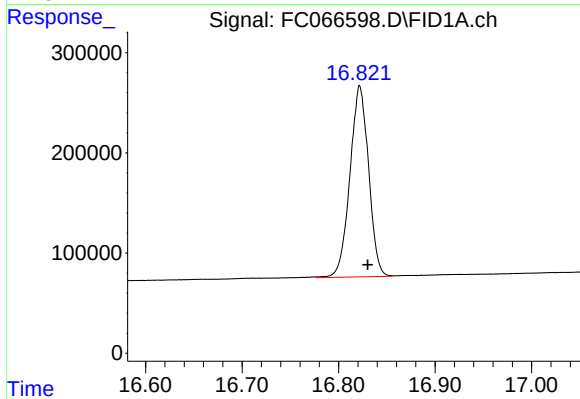
#14 n-Tetracosane (C24)

R.T.: 14.850 min
Delta R.T.: -0.009 min
Response: 2536221
Conc: 19.48 ug/ml



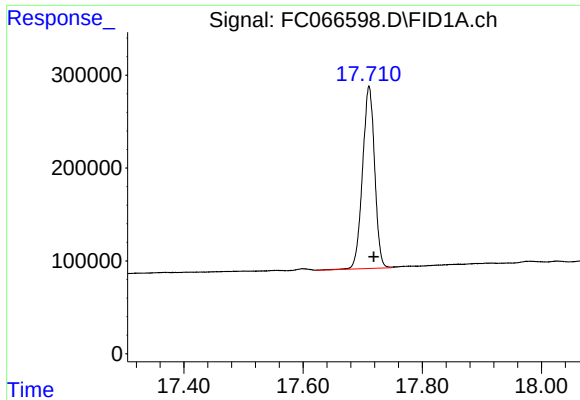
#15 n-Hexacosane (C26)

R.T.: 15.871 min
Delta R.T.: -0.008 min
Response: 2504053
Conc: 19.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.821 min
Delta R.T.: -0.009 min
Response: 2562717
Conc: 20.64 ug/ml m



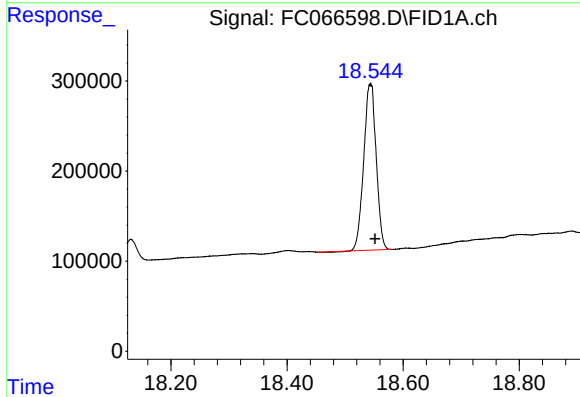
#17 n-Tricontane (C30)

R.T.: 17.711 min
Delta R.T.: -0.008 min
Response: 2767900
Conc: 21.96 ug/ml

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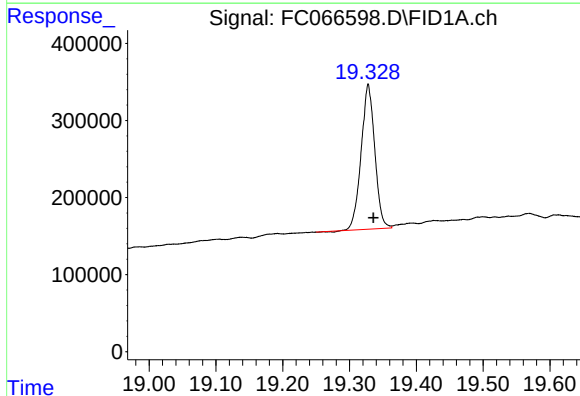
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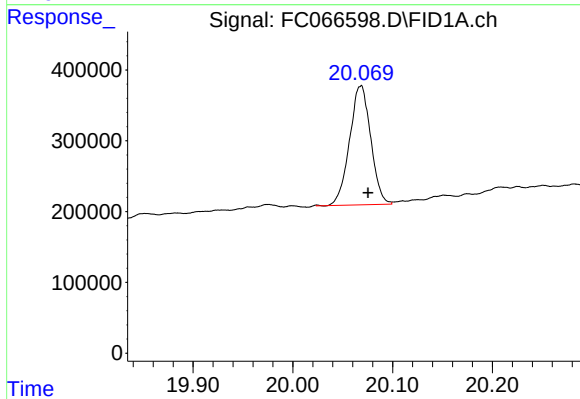
#18 n-Dotriacontane (C32)

R.T.: 18.544 min
Delta R.T.: -0.008 min
Response: 2745461
Conc: 22.31 ug/ml



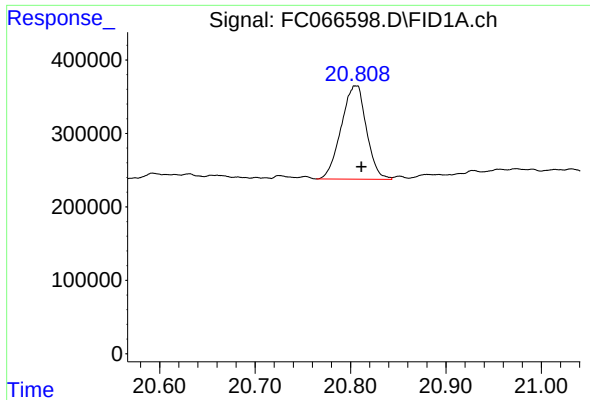
#19 n-Tetratriacontane (C34)

R.T.: 19.328 min
Delta R.T.: -0.008 min
Response: 2659983
Conc: 22.18 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.069 min
Delta R.T.: -0.007 min
Response: 2482823
Conc: 20.49 ug/ml m



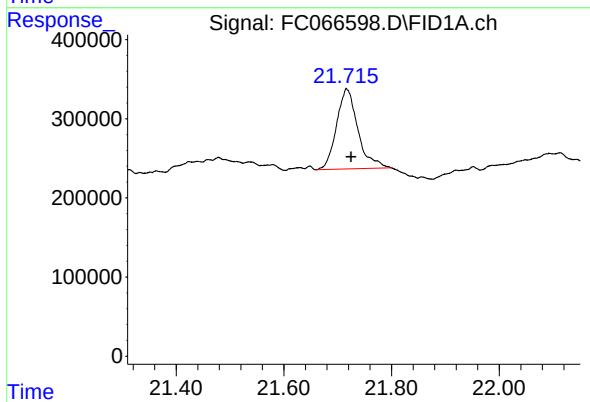
#21 n-Octatriacontane (C38)

R.T.: 20.805 min
Delta R.T.: -0.006 min
Response: 2332023
Conc: 20.16 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.717 min
Delta R.T.: -0.008 min
Response: 2785444
Conc: 22.74 ug/ml