

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F121024AL\
 Data File : FC067980.D
 Signal(s) : FID1A.ch
 Acq On : 10 Dec 2024 19:03
 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 12/11/2024
 Supervised By :Ankita Jodhani 12/11/2024

Integration File: autoint1.e
 Quant Time: Dec 11 01:26:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:59:10 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)	11.469	3346395	19.353 ug/ml
Spiked Amount 50.000		Recovery =	38.71%
12) S 1-chlorooctadecane (S...	12.909	2493077	19.539 ug/ml
Spiked Amount 50.000		Recovery =	39.08%
Target Compounds			
1) T n-Nonane (C9)	3.252	2900109	18.666 ug/ml
2) T n-Decane (C10)	4.314	3018173	19.039 ug/ml
3) T A~Naphthalene (C11.7)	5.889	3303758	18.924 ug/ml
4) T n-Dodecane (C12)	6.328	3100233	19.254 ug/ml
5) T A~2-methylnaphthalene...	6.944	3240527	19.341 ug/mlm
6) T n-Tetradecane (C14)	8.121	3081792	19.383 ug/ml
7) T n-Hexadecane (C16)	9.719	3159035	19.554 ug/ml
8) T n-Octadecane (C18)	11.160	3134302	19.523 ug/ml
10) T n-Eicosane (C20)	12.467	2939396	19.540 ug/ml
11) T n-Heneicosane (C21)	13.078	2852223	19.520 ug/ml
13) T n-Docosane (C22)	13.664	2792304	19.507 ug/ml
14) T n-Tetracosane (C24)	14.764	2719363	19.571 ug/ml
15) T n-Hexacosane (C26)	15.785	2634627	19.701 ug/ml
16) T n-Octacosane (C28)	16.733	2605549	20.087 ug/ml
17) T n-Tricontane (C30)	17.620	2734877	21.112 ug/ml
18) T n-Dotriacontane (C32)	18.450	2680376	21.636 ug/ml
19) T n-Tetratriacontane (C34)	19.232	2328046	21.329 ug/ml
20) T n-Hexatriacontane (C36)	19.970	1966442	20.785 ug/ml
21) T n-Octatriacontane (C38)	20.690	1829655	20.226 ug/ml
22) T n-Tetracontane (C40)	21.567	1741611	19.760 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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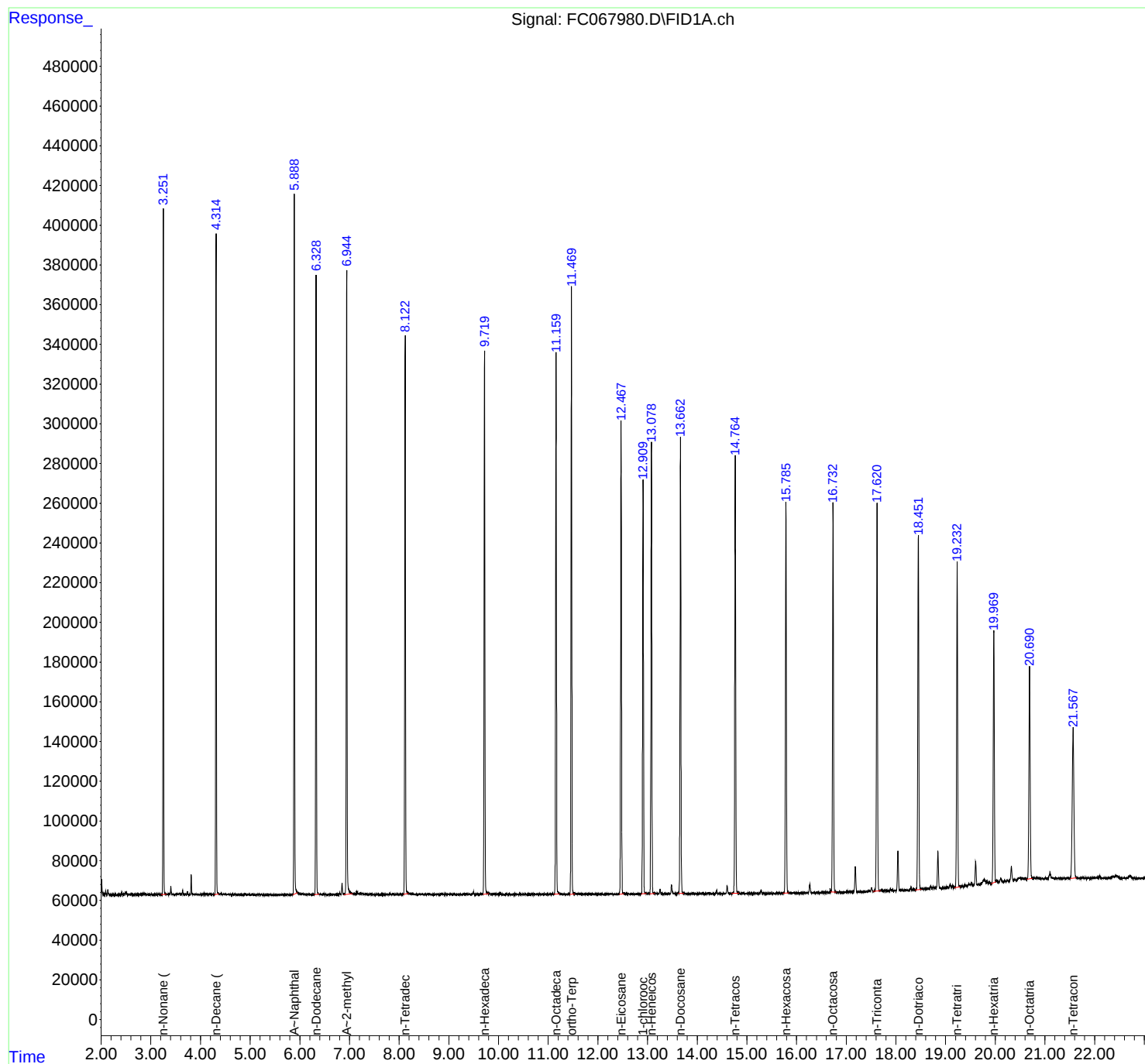
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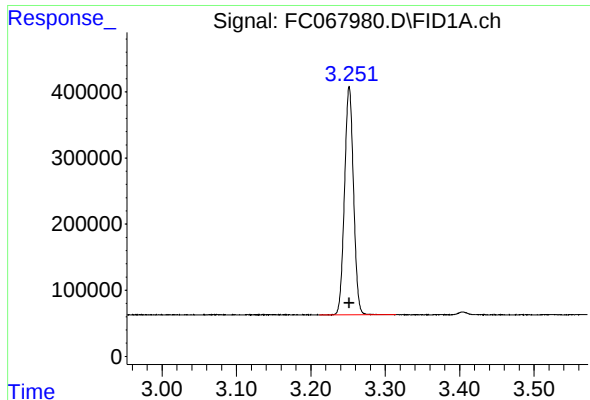
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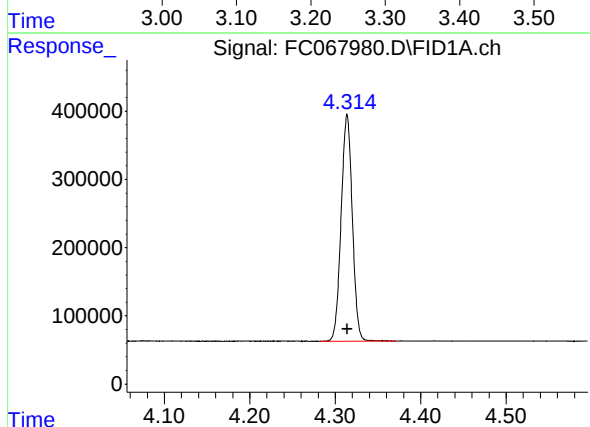
#1 n-Nonane (C9)

R.T.: 3.252 min
Delta R.T.: 0.000 min
Response: 2900109
Conc: 18.67 ug/ml

Instrument :
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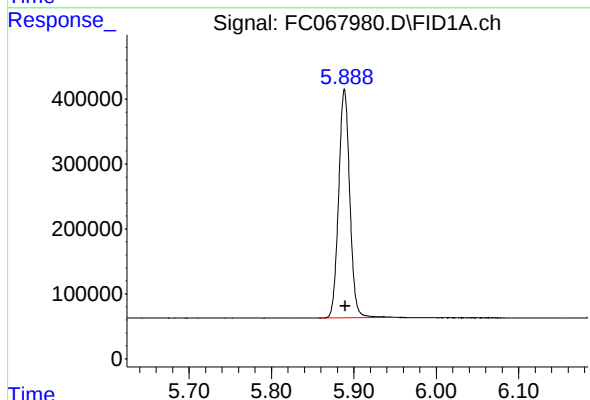
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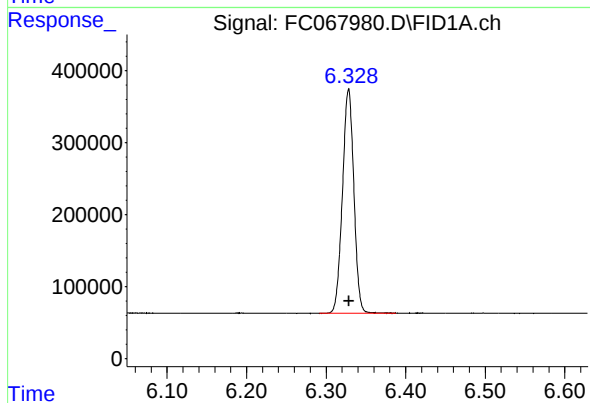
#2 n-Decane (C10)

R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 3018173
Conc: 19.04 ug/ml



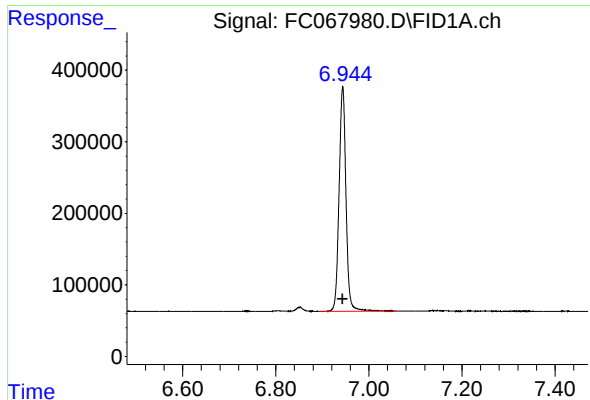
#3 A~Naphthalene (C11.7)

R.T.: 5.889 min
Delta R.T.: 0.000 min
Response: 3303758
Conc: 18.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.328 min
Delta R.T.: 0.000 min
Response: 3100233
Conc: 19.25 ug/ml



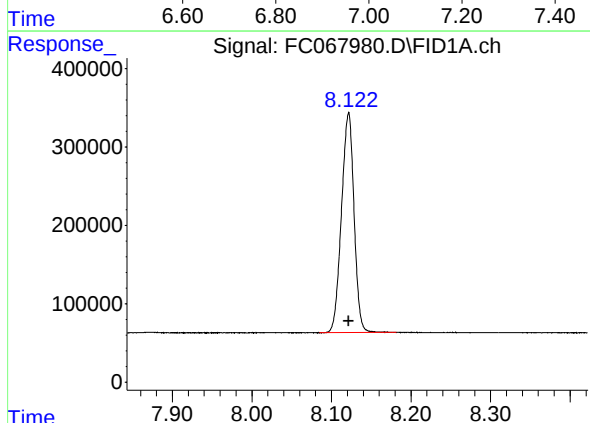
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 3240527
Conc: 19.34 ug/ml

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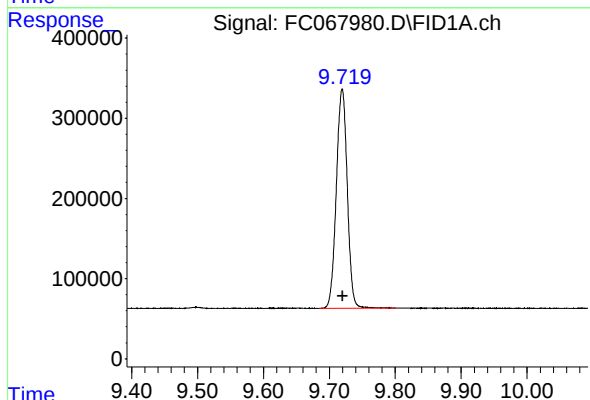
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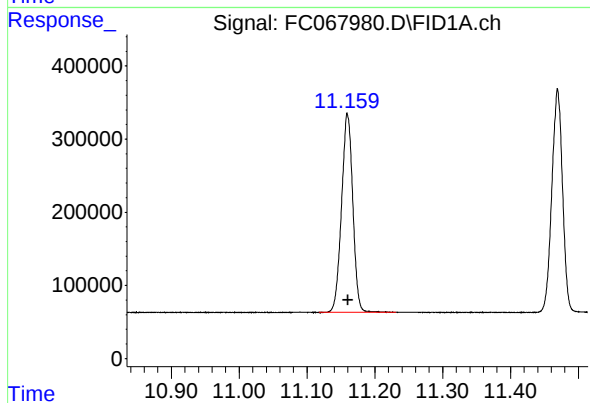
#6 n-Tetradecane (C14)

R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 3081792
Conc: 19.38 ug/ml



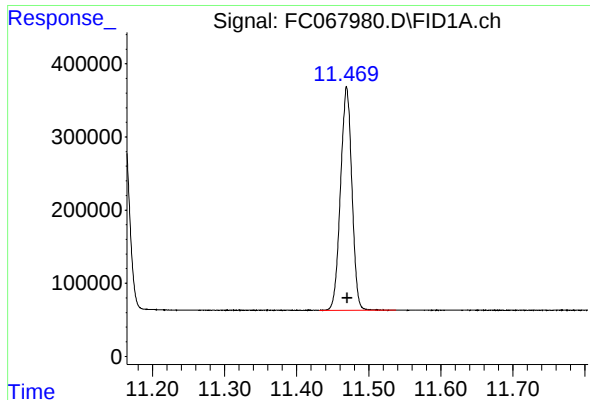
#7 n-Hexadecane (C16)

R.T.: 9.719 min
Delta R.T.: -0.001 min
Response: 3159035
Conc: 19.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.160 min
Delta R.T.: 0.000 min
Response: 3134302
Conc: 19.52 ug/ml



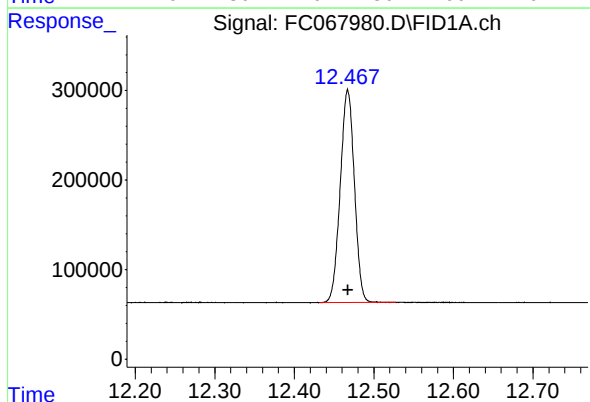
#9 ortho-Terphenyl (SURR)

R.T.: 11.469 min
Delta R.T.: 0.000 min
Response: 3346395
Conc: 19.35 ug/ml

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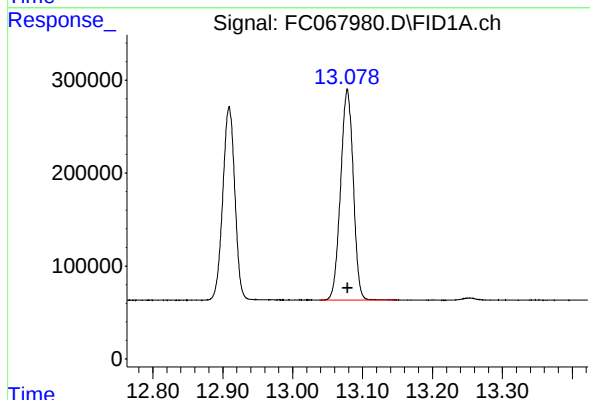
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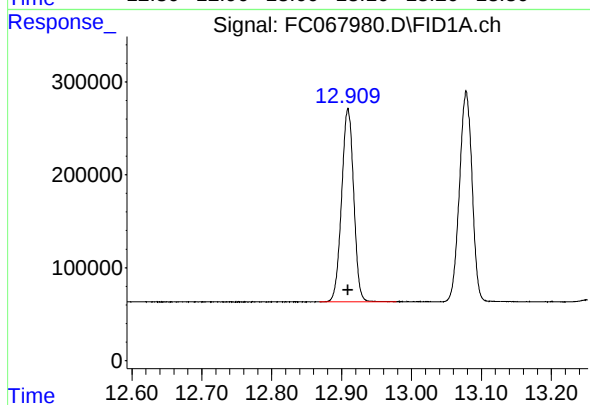
#10 n-Eicosane (C20)

R.T.: 12.467 min
Delta R.T.: 0.000 min
Response: 2939396
Conc: 19.54 ug/ml



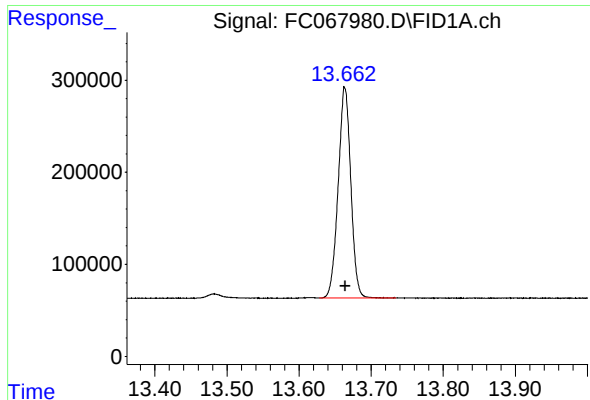
#11 n-Heneicosane (C21)

R.T.: 13.078 min
Delta R.T.: 0.000 min
Response: 2852223
Conc: 19.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.909 min
Delta R.T.: 0.000 min
Response: 2493077
Conc: 19.54 ug/ml



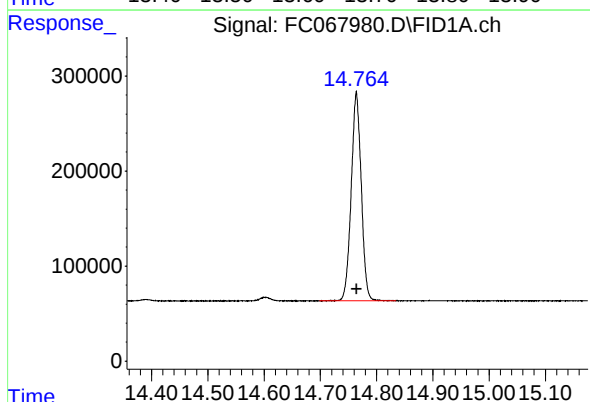
#13 n-Docosane (C22)

R.T.: 13.664 min
Delta R.T.: 0.000 min
Response: 2792304
Conc: 19.51 ug/ml

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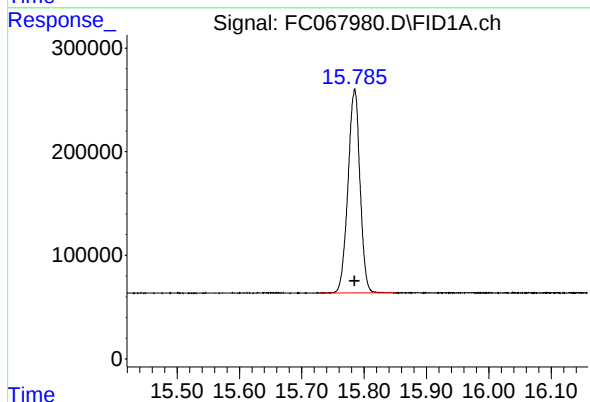
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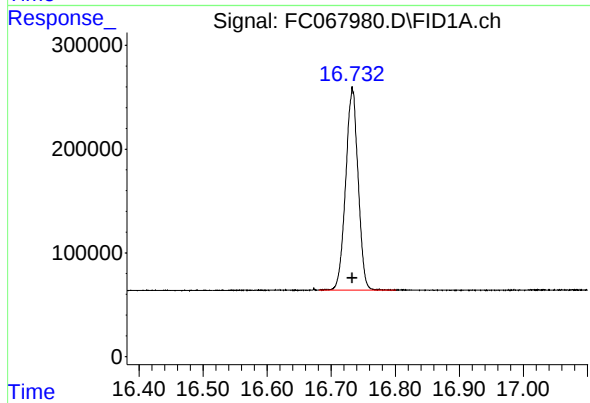
#14 n-Tetracosane (C24)

R.T.: 14.764 min
Delta R.T.: 0.000 min
Response: 2719363
Conc: 19.57 ug/ml



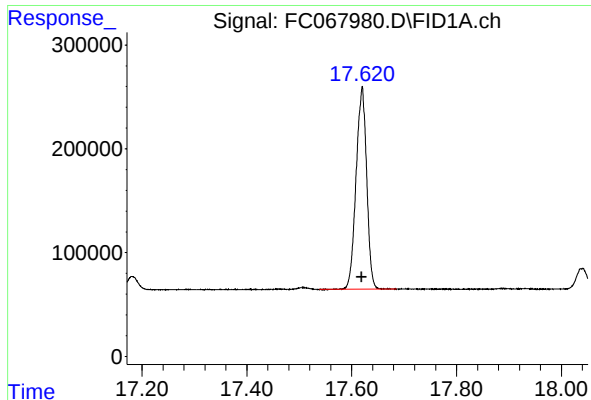
#15 n-Hexacosane (C26)

R.T.: 15.785 min
Delta R.T.: 0.000 min
Response: 2634627
Conc: 19.70 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.733 min
Delta R.T.: 0.000 min
Response: 2605549
Conc: 20.09 ug/ml



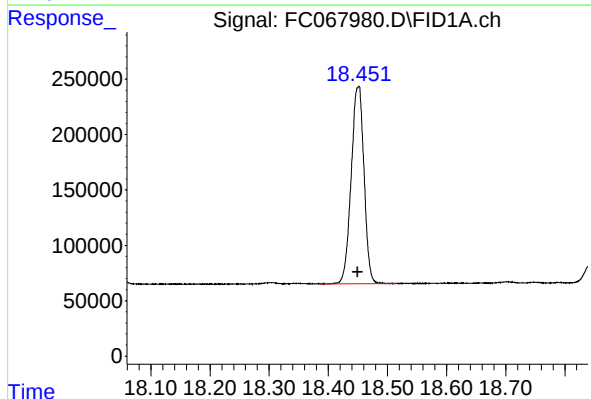
#17 n-Tricontane (C30)

R.T.: 17.620 min
Delta R.T.: 0.000 min
Response: 2734877
Conc: 21.11 ug/ml

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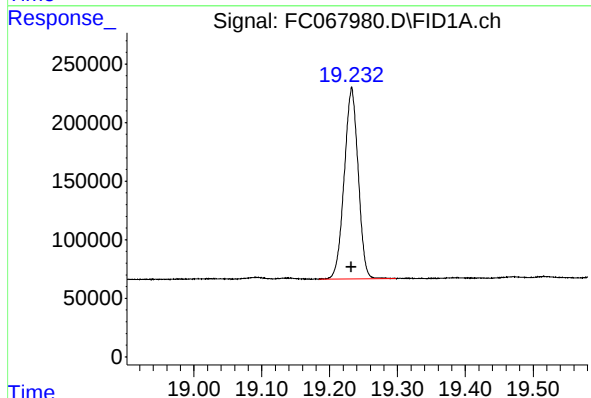
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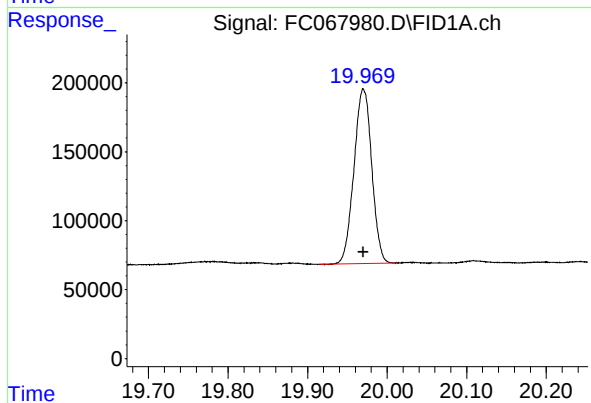
#18 n-Dotriacontane (C32)

R.T.: 18.450 min
Delta R.T.: 0.000 min
Response: 2680376
Conc: 21.64 ug/ml



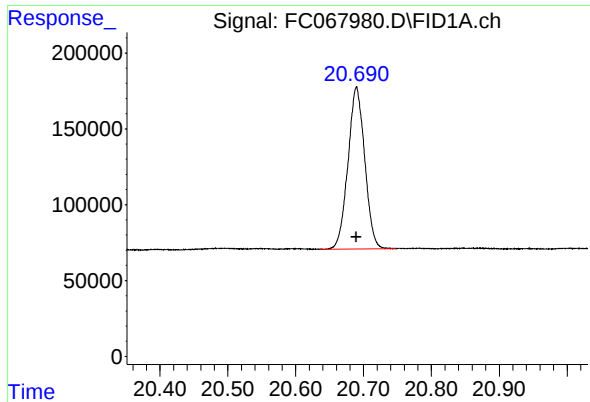
#19 n-Tetratriacontane (C34)

R.T.: 19.232 min
Delta R.T.: 0.000 min
Response: 2328046
Conc: 21.33 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.970 min
Delta R.T.: 0.000 min
Response: 1966442
Conc: 20.78 ug/ml



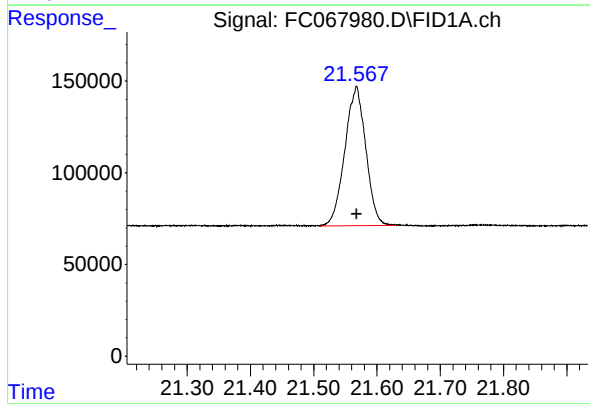
#21 n-Octatriacontane (C38)

R.T.: 20.690 min
Delta R.T.: 0.000 min
Response: 1829655
Conc: 20.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.567 min
Delta R.T.: 0.000 min
Response: 1741611
Conc: 19.76 ug/ml m