

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102224AL\
 Data File : FE050778.D
 Signal(s) : FID1B.ch
 Acq On : 22 Oct 2024 22:38
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
 Quant Time: Oct 23 01:35:12 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.860	3085002	19.568 ug/ml
Spiked Amount 50.000		Recovery =	39.14%
12) S 1-chlorooctadecane (S...	13.293	2323457	19.641 ug/ml
Spiked Amount 50.000		Recovery =	39.28%
Target Compounds			
1) T n-Nonane (C9)	3.248	2767839	19.590 ug/ml
2) T n-Decane (C10)	4.499	2874845	20.037 ug/ml
3) T A~Naphthalene (C11.7)	6.211	2862830	20.021 ug/ml
4) T n-Dodecane (C12)	6.667	2884289	20.039 ug/ml
5) T A~2-methylnaphthalene...	7.307	2655511	20.045 ug/ml
6) T n-Tetradecane (C14)	8.493	2859619	19.988 ug/ml
7) T n-Hexadecane (C16)	10.099	2921284	19.850 ug/ml
8) T n-Octadecane (C18)	11.540	2931770	19.628 ug/ml
10) T n-Eicosane (C20)	12.847	2786556	19.432 ug/ml
11) T n-Heneicosane (C21)	13.458	2728913	19.432 ug/ml
13) T n-Docosane (C22)	14.044	2716462	19.362 ug/mlm
14) T n-Tetracosane (C24)	15.145	2726143	19.296 ug/ml
15) T n-Hexacosane (C26)	16.165	2735453	19.439 ug/ml
16) T n-Octacosane (C28)	17.113	2762930	18.881 ug/ml
17) T n-Tricontane (C30)	18.001	2998842	18.860 ug/ml
18) T n-Dotriacontane (C32)	18.833	3102175	19.136 ug/ml
19) T n-Tetratriacontane (C34)	19.617	2805514	19.099 ug/ml
20) T n-Hexatriacontane (C36)	20.355	2495341	19.677 ug/ml
21) T n-Octatriacontane (C38)	21.081	2212082	17.890 ug/ml
22) T n-Tetracontane (C40)	21.966	1854465	16.654 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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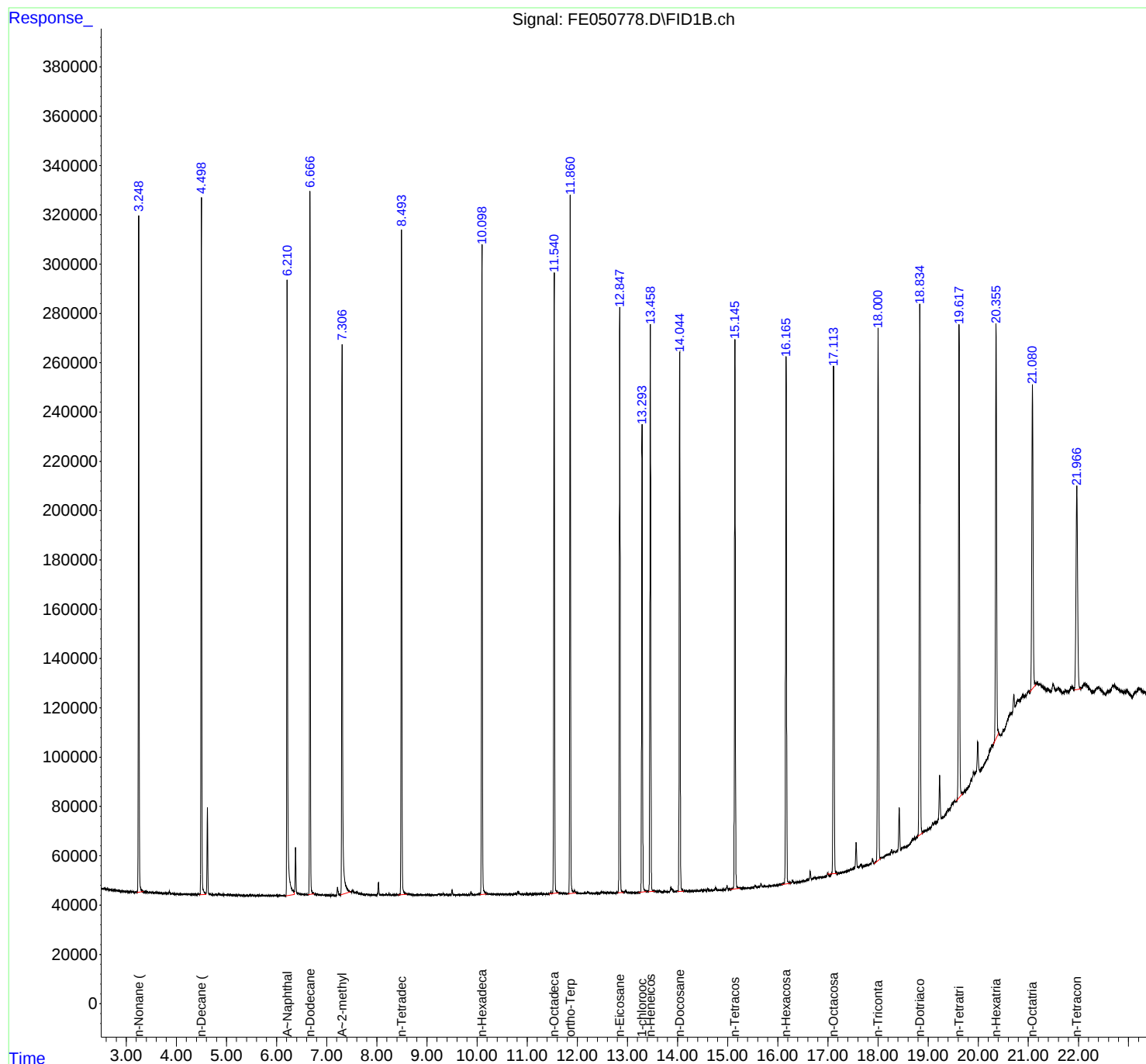
Instrument :
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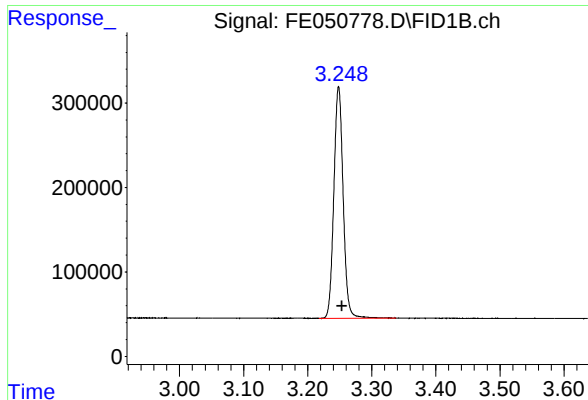
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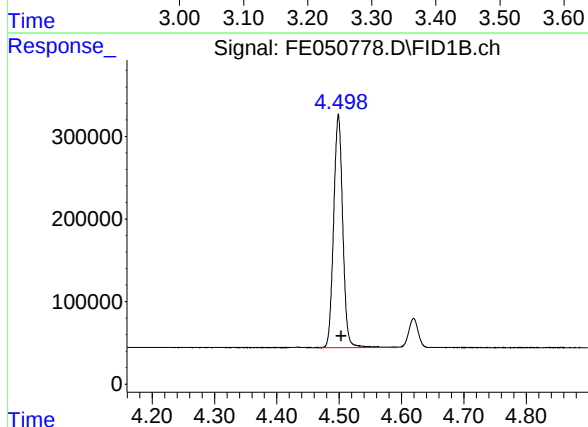
#1 n-Nonane (C9)

R.T.: 3.248 min
Delta R.T.: -0.006 min
Response: 2767839
Conc: 19.59 ug/ml

Instrument :
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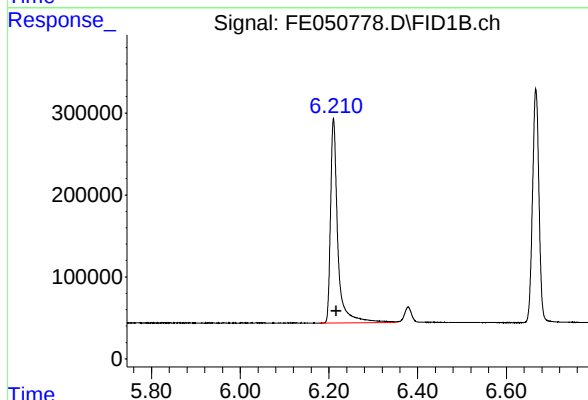
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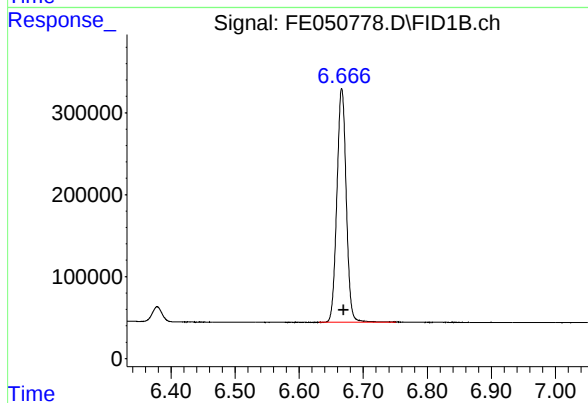
#2 n-Decane (C10)

R.T.: 4.499 min
Delta R.T.: -0.004 min
Response: 2874845
Conc: 20.04 ug/ml



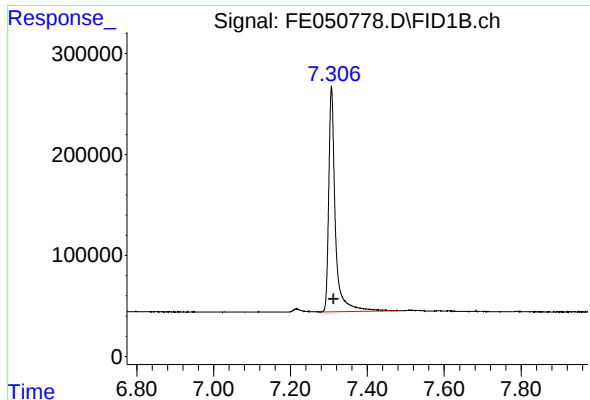
#3 A~Naphthalene (C11.7)

R.T.: 6.211 min
Delta R.T.: -0.006 min
Response: 2862830
Conc: 20.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.667 min
Delta R.T.: -0.003 min
Response: 2884289
Conc: 20.04 ug/ml



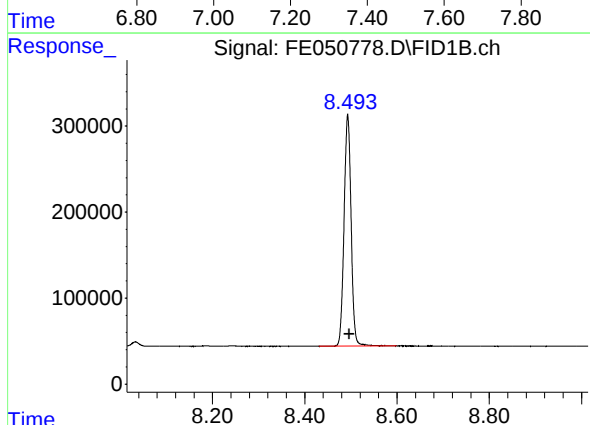
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.307 min
Delta R.T.: -0.006 min
Response: 2655511
Conc: 20.04 ug/ml

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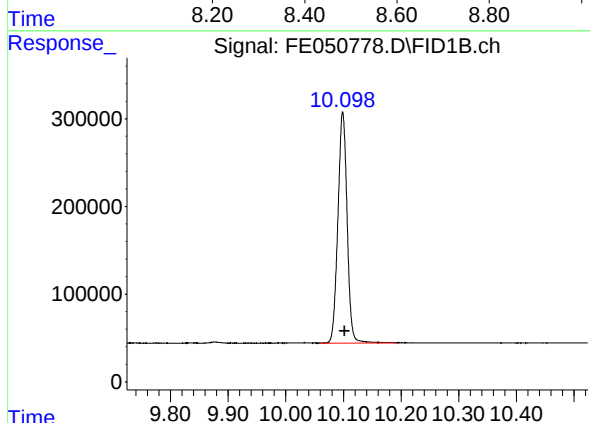
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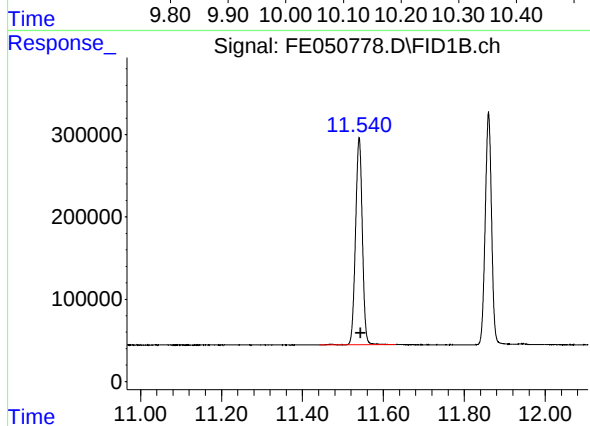
#6 n-Tetradecane (C14)

R.T.: 8.493 min
Delta R.T.: -0.003 min
Response: 2859619
Conc: 19.99 ug/ml



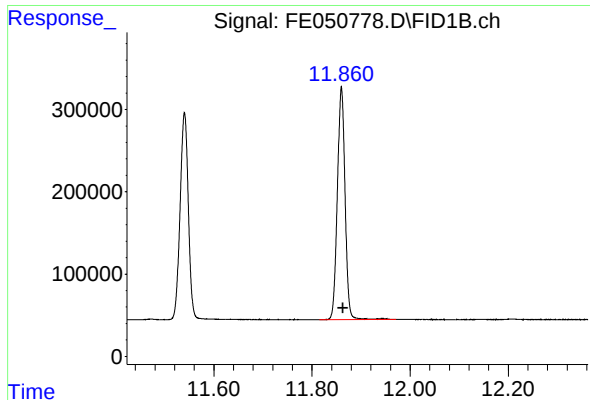
#7 n-Hexadecane (C16)

R.T.: 10.099 min
Delta R.T.: -0.004 min
Response: 2921284
Conc: 19.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.540 min
Delta R.T.: -0.004 min
Response: 2931770
Conc: 19.63 ug/ml



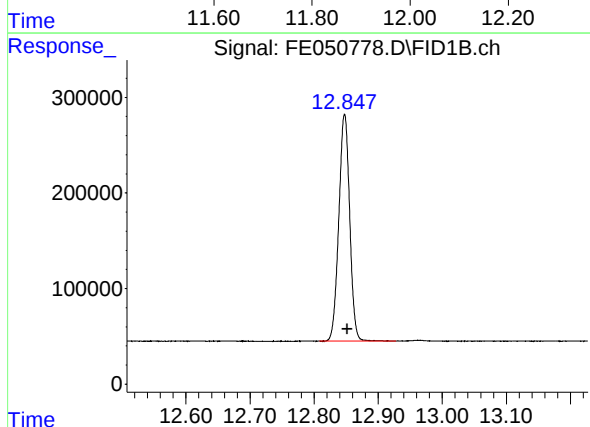
#9 ortho-Terphenyl (SURR)

R.T.: 11.860 min
Delta R.T.: -0.003 min
Response: 3085002
Conc: 19.57 ug/ml

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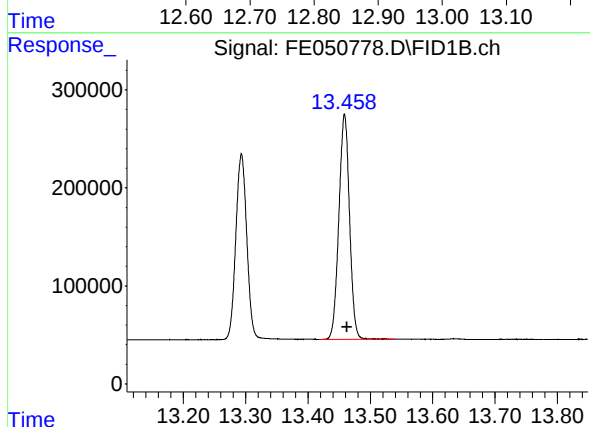
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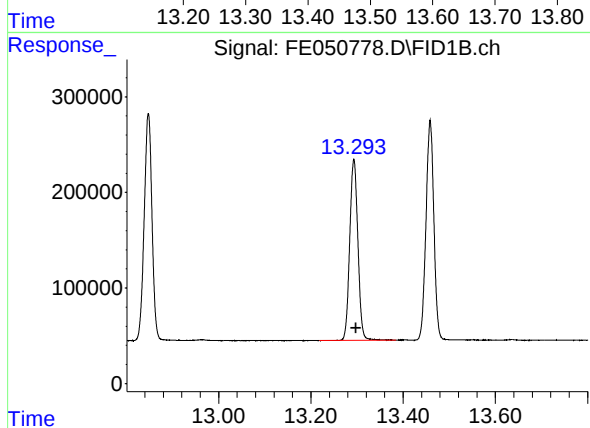
#10 n-Eicosane (C20)

R.T.: 12.847 min
Delta R.T.: -0.004 min
Response: 2786556
Conc: 19.43 ug/ml



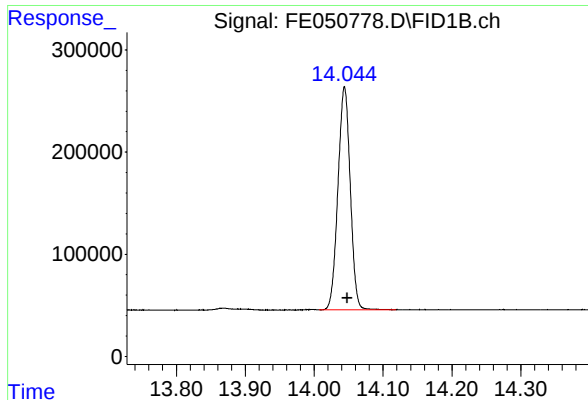
#11 n-Heneicosane (C21)

R.T.: 13.458 min
Delta R.T.: -0.004 min
Response: 2728913
Conc: 19.43 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.293 min
Delta R.T.: -0.004 min
Response: 2323457
Conc: 19.64 ug/ml



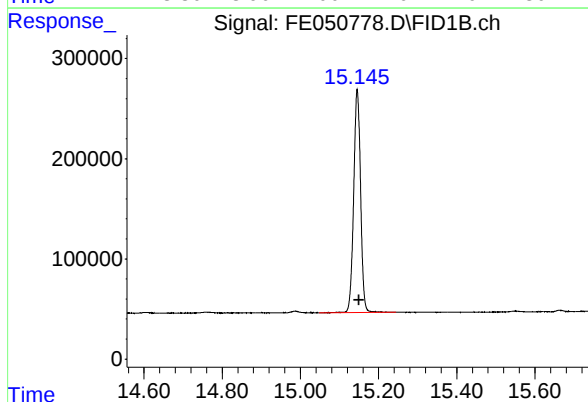
#13 n-Docosane (C22)

R.T.: 14.044 min
Delta R.T.: -0.004 min
Response: 2716462
Conc: 19.36 ug/ml

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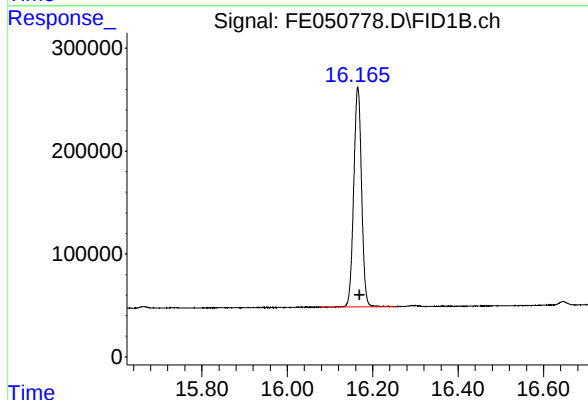
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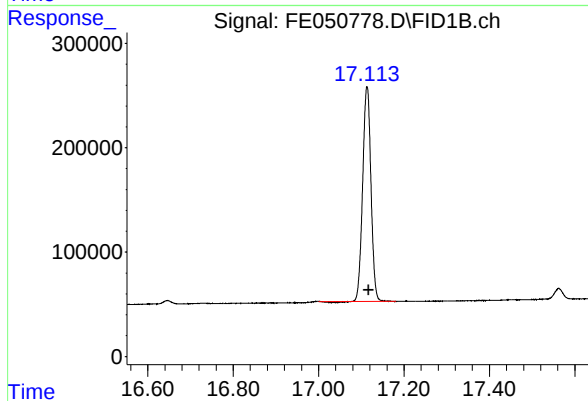
#14 n-Tetracosane (C24)

R.T.: 15.145 min
Delta R.T.: -0.004 min
Response: 2726143
Conc: 19.30 ug/ml



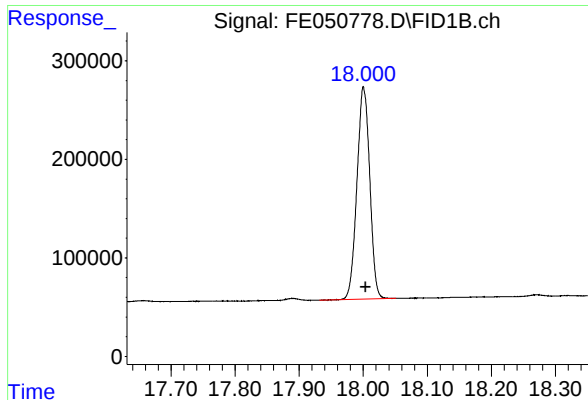
#15 n-Hexacosane (C26)

R.T.: 16.165 min
Delta R.T.: -0.004 min
Response: 2735453
Conc: 19.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.113 min
Delta R.T.: -0.004 min
Response: 2762930
Conc: 18.88 ug/ml



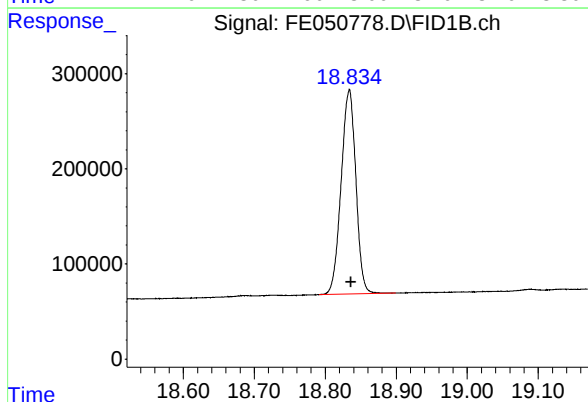
#17 n-Tricontane (C30)

R.T.: 18.001 min
Delta R.T.: -0.004 min
Response: 2998842
Conc: 18.86 ug/ml

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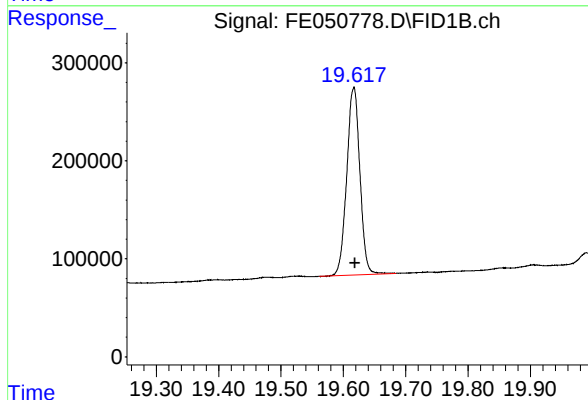
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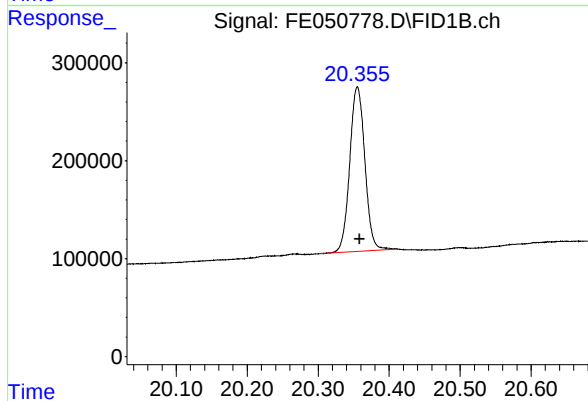
#18 n-Dotriacontane (C32)

R.T.: 18.833 min
Delta R.T.: -0.003 min
Response: 3102175
Conc: 19.14 ug/ml



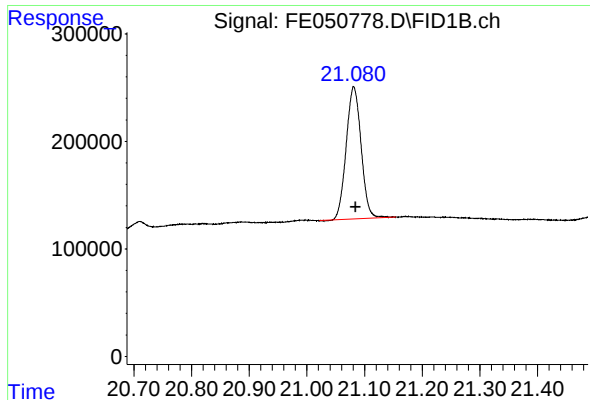
#19 n-Tetratriacontane (C34)

R.T.: 19.617 min
Delta R.T.: -0.002 min
Response: 2805514
Conc: 19.10 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.355 min
Delta R.T.: -0.003 min
Response: 2495341
Conc: 19.68 ug/ml



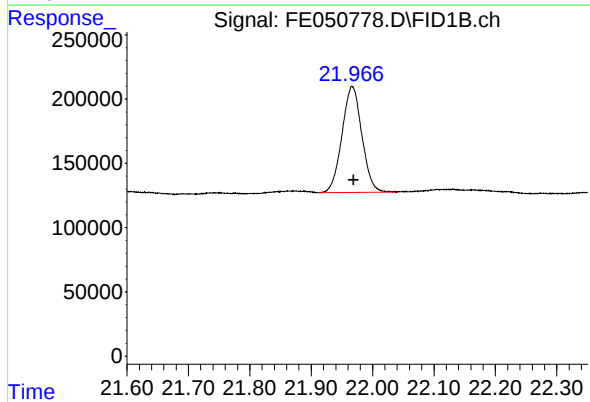
#21 n-Octatriacontane (C38)

R.T.: 21.081 min
Delta R.T.: -0.003 min
Response: 2212082
Conc: 17.89 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.966 min
Delta R.T.: -0.003 min
Response: 1854465
Conc: 16.65 ug/ml m