

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122722AL\
 Data File : FE039507.D
 Signal(s) : FID1B.ch
 Acq On : 28 Dec 2022 02:28
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/28/2022
 Supervised By :Ankita Jodhani 12/28/2022

Integration File: autoint1.e
 Quant Time: Dec 28 04:55:55 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121722.M
 Quant Title : GC Extractables
 QLast Update : Sat Dec 17 15:09:52 2022
 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)	11.927	3241532	21.721 ug/ml
Spiked Amount 50.000		Recovery =	43.44%
12) S 1-chlorooctadecane (S...	13.363	2495597	21.682 ug/ml
Spiked Amount 50.000		Recovery =	43.36%
Target Compounds			
1) T n-Nonane (C9)	3.326	2794468	21.619 ug/ml
2) T n-Decane (C10)	4.574	2770682	21.744 ug/ml
3) T A~Naphthalene (C11.7)	6.275	3105962	21.486 ug/ml
4) T n-Dodecane (C12)	6.736	2806156	21.615 ug/ml
5) T A~2-methylnaphthalene...	7.369	2915888	21.530 ug/ml
6) T n-Tetradecane (C14)	8.562	2855369	21.548 ug/ml
7) T n-Hexadecane (C16)	10.167	2959773	21.514 ug/ml
8) T n-Octadecane (C18)	11.609	3014635	21.524 ug/ml
10) T n-Eicosane (C20)	12.918	2947058	21.589 ug/ml
11) T n-Heneicosane (C21)	13.529	2950484	21.632 ug/mlm
13) T n-Docosane (C22)	14.116	2939301	21.728 ug/ml
14) T n-Tetracosane (C24)	15.219	2950005	21.976 ug/ml
15) T n-Hexacosane (C26)	16.239	2865564	22.007 ug/ml
16) T n-Octacosane (C28)	17.188	2899204	22.527 ug/ml
17) T n-Tricontane (C30)	18.076	2962567	23.010 ug/mlm
18) T n-Dotriacontane (C32)	18.908	2978675	23.001 ug/ml
19) T n-Tetratriacontane (C34)	19.693	2802041	22.210 ug/ml
20) T n-Hexatriacontane (C36)	20.432	2613178	21.611 ug/mlm
21) T n-Octatriacontane (C38)	21.168	2534734	20.525 ug/ml
22) T n-Tetracontane (C40)	22.078	2537834	20.208 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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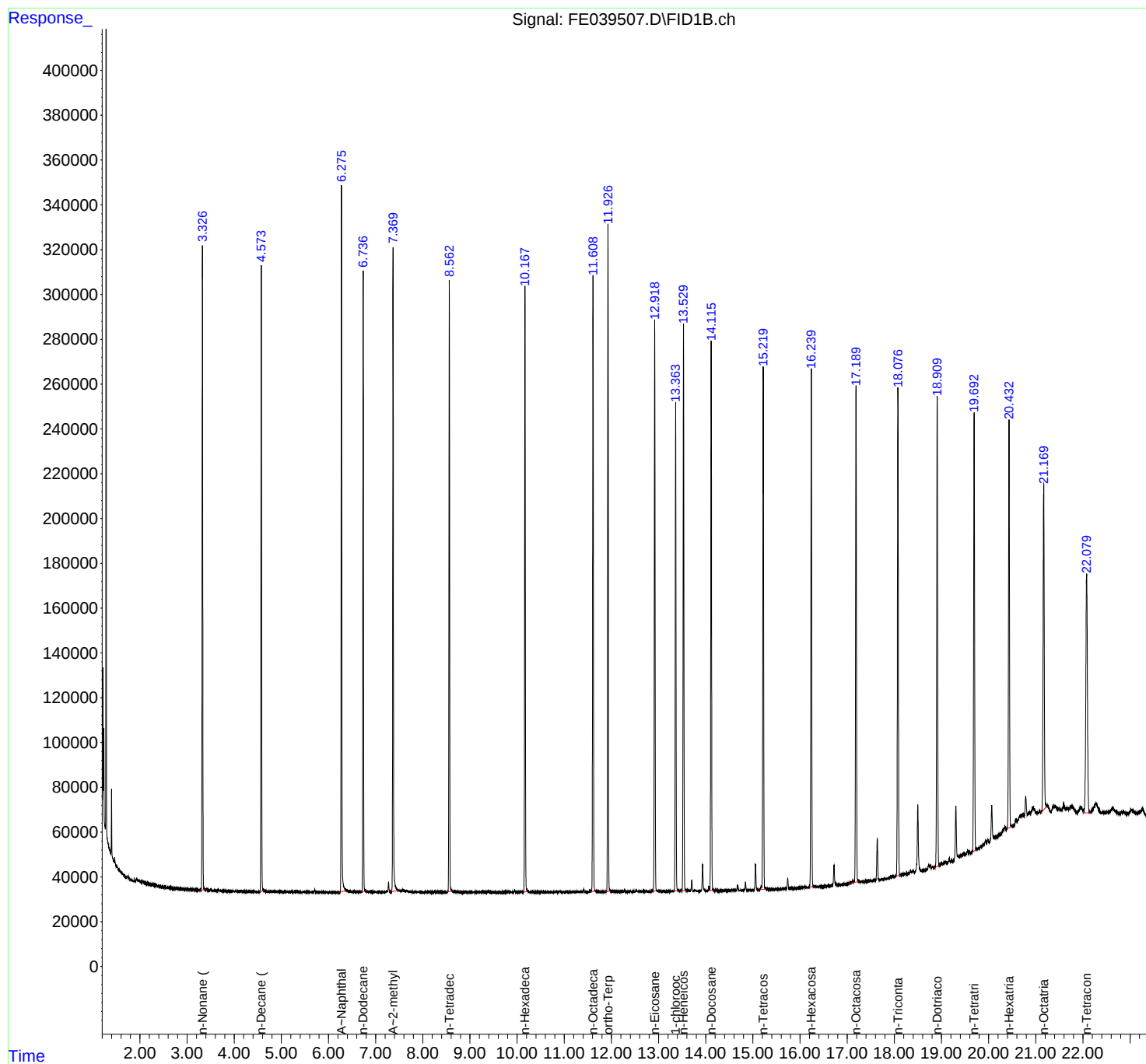
Instrument :
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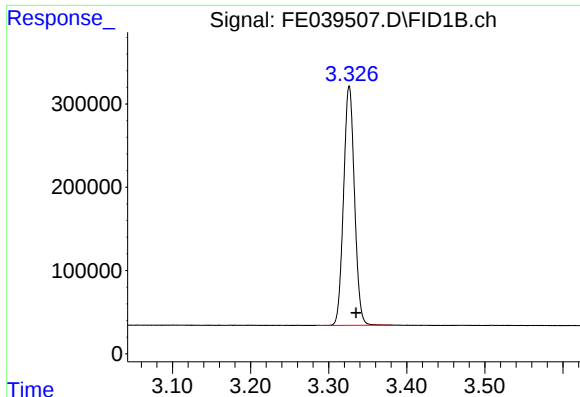
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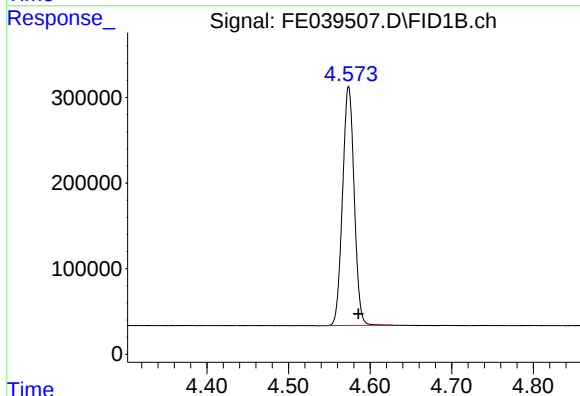
#1 n-Nonane (C9)

R.T.: 3.326 min
Delta R.T.: -0.009 min
Response: 2794468
Conc: 21.62 ug/ml

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20 PPM ALIPHATIC HC STD

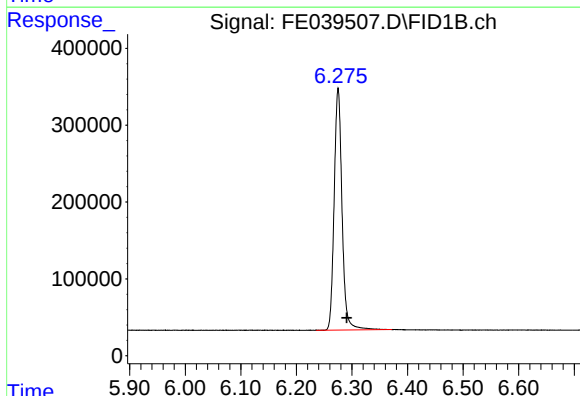
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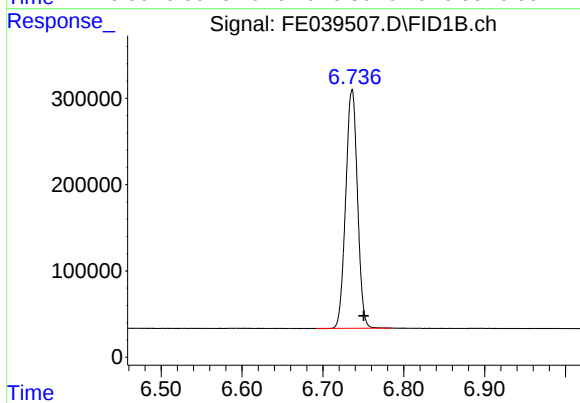
#2 n-Decane (C10)

R.T.: 4.574 min
Delta R.T.: -0.012 min
Response: 2770682
Conc: 21.74 ug/ml



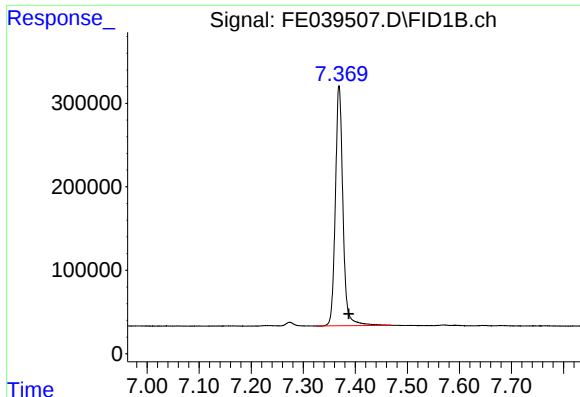
#3 A~Naphthalene (C11.7)

R.T.: 6.275 min
Delta R.T.: -0.016 min
Response: 3105962
Conc: 21.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.736 min
Delta R.T.: -0.014 min
Response: 2806156
Conc: 21.61 ug/ml



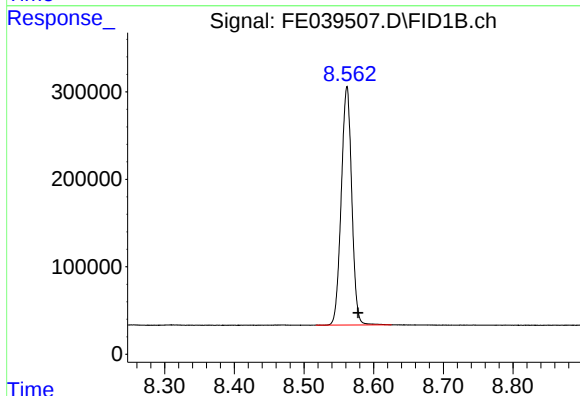
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.369 min
Delta R.T.: -0.018 min
Response: 2915888
Conc: 21.53 ug/ml

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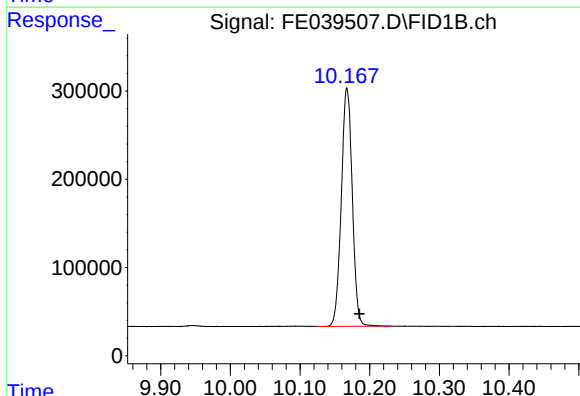
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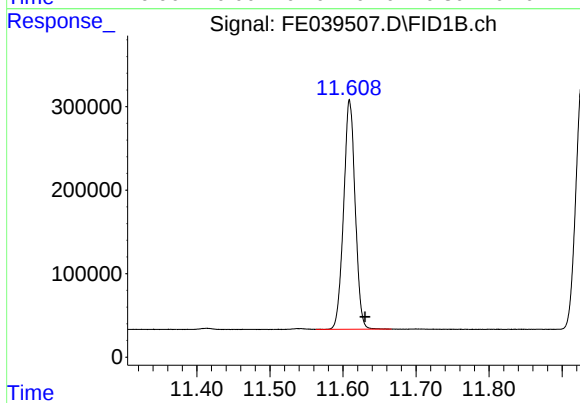
#6 n-Tetradecane (C14)

R.T.: 8.562 min
Delta R.T.: -0.016 min
Response: 2855369
Conc: 21.55 ug/ml



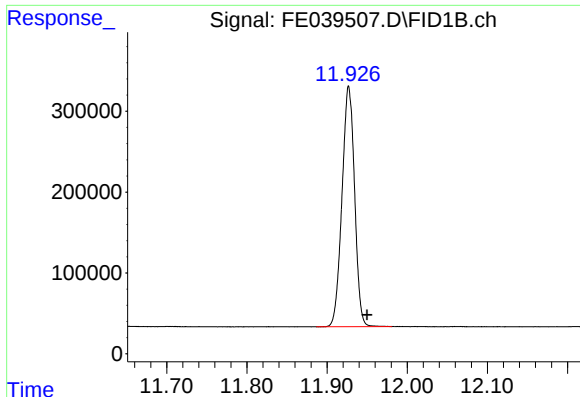
#7 n-Hexadecane (C16)

R.T.: 10.167 min
Delta R.T.: -0.018 min
Response: 2959773
Conc: 21.51 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.609 min
Delta R.T.: -0.021 min
Response: 3014635
Conc: 21.52 ug/ml



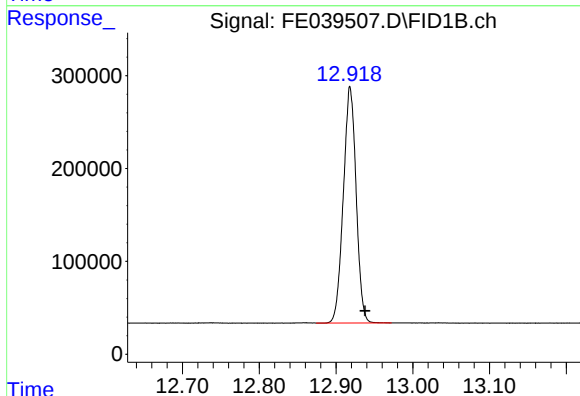
#9 ortho-Terphenyl (SURR)

R.T.: 11.927 min
Delta R.T.: -0.023 min
Response: 3241532
Conc: 21.72 ug/ml

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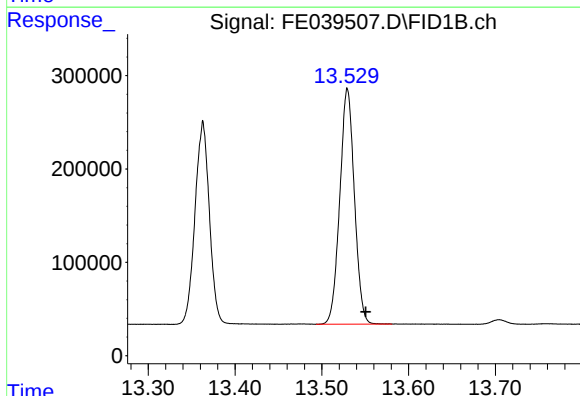
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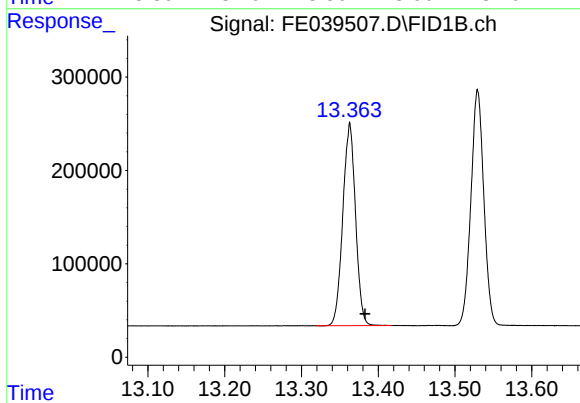
#10 n-Eicosane (C20)

R.T.: 12.918 min
Delta R.T.: -0.019 min
Response: 2947058
Conc: 21.59 ug/ml



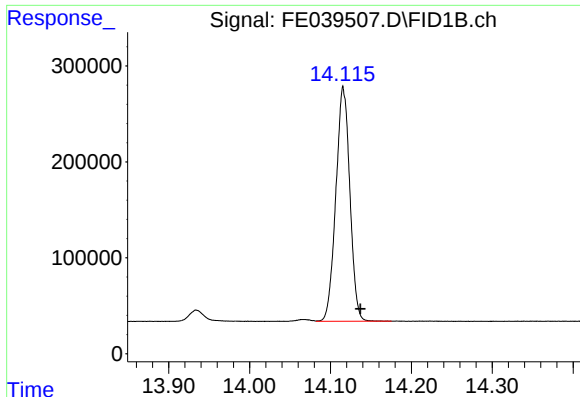
#11 n-Heneicosane (C21)

R.T.: 13.529 min
Delta R.T.: -0.022 min
Response: 2950484
Conc: 21.63 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.363 min
Delta R.T.: -0.020 min
Response: 2495597
Conc: 21.68 ug/ml



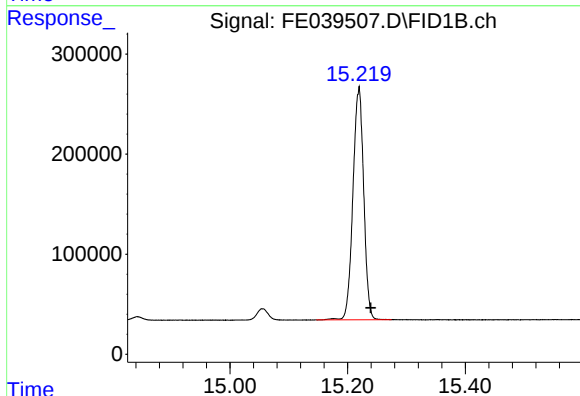
#13 n-Docosane (C22)

R.T.: 14.116 min
Delta R.T.: -0.021 min
Response: 2939301
Conc: 21.73 ug/ml

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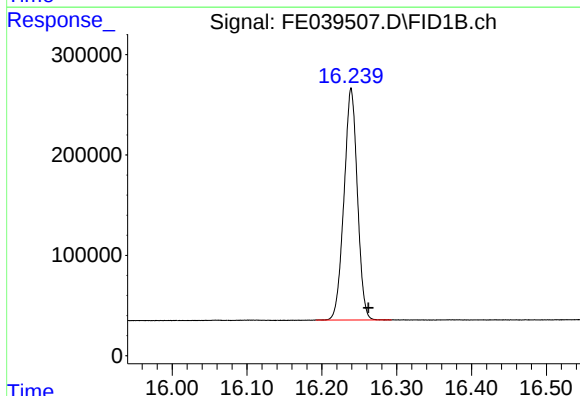
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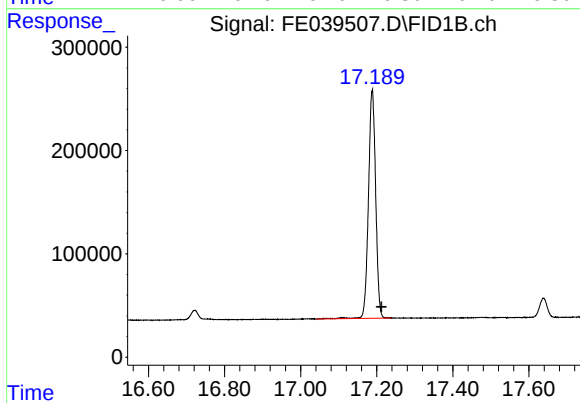
#14 n-Tetracosane (C24)

R.T.: 15.219 min
Delta R.T.: -0.020 min
Response: 2950005
Conc: 21.98 ug/ml



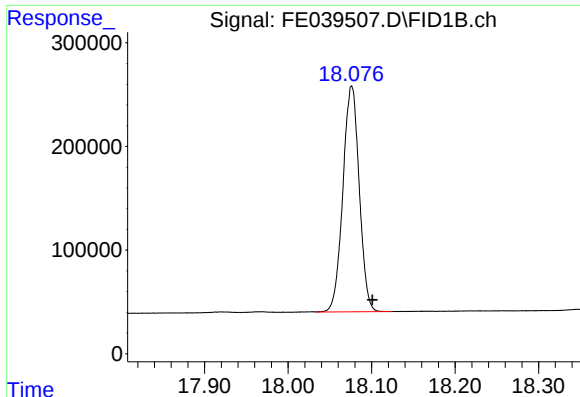
#15 n-Hexacosane (C26)

R.T.: 16.239 min
Delta R.T.: -0.023 min
Response: 2865564
Conc: 22.01 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.188 min
Delta R.T.: -0.024 min
Response: 2899204
Conc: 22.53 ug/ml



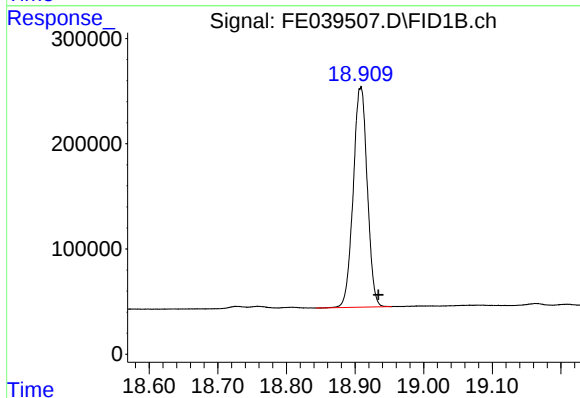
#17 n-Tricontane (C30)

R.T.: 18.076 min
Delta R.T.: -0.025 min
Response: 2962567
Conc: 23.01 ug/ml

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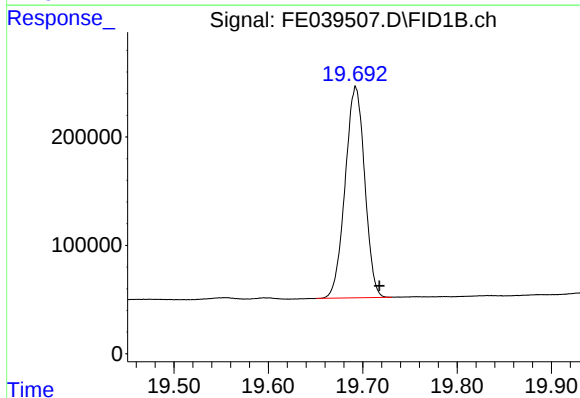
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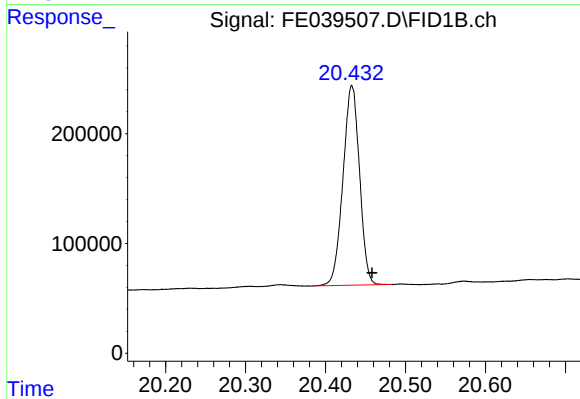
#18 n-Dotriacontane (C32)

R.T.: 18.908 min
Delta R.T.: -0.026 min
Response: 2978675
Conc: 23.00 ug/ml



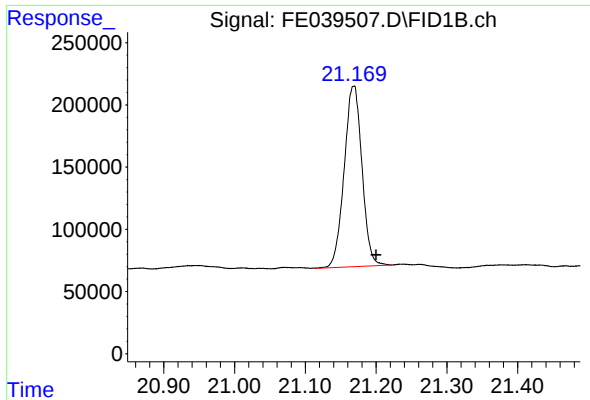
#19 n-Tetratriacontane (C34)

R.T.: 19.693 min
Delta R.T.: -0.025 min
Response: 2802041
Conc: 22.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.432 min
Delta R.T.: -0.026 min
Response: 2613178
Conc: 21.61 ug/ml m



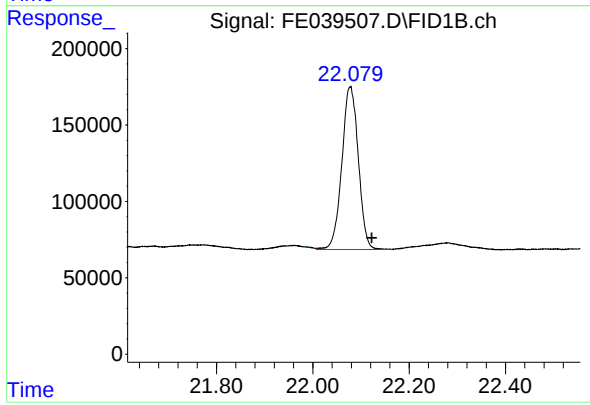
#21 n-Octatriacontane (C38)

R.T.: 21.168 min
Delta R.T.: -0.031 min
Response: 2534734
Conc: 20.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.078 min
Delta R.T.: -0.045 min
Response: 2537834
Conc: 20.21 ug/ml