

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060325AL\
 Data File : FE054156.D
 Signal(s) : FID1B.ch
 Acq On : 03 Jun 2025 17:26
 Operator : YP\AJ
 Sample : Q2147-05MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

3MSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File: autoint1.e

Quant Time: Jun 04 02:53:05 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M

Quant Title : GC Extractables

QLast Update : Wed May 14 12:15:41 2025

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)	11.839	5003569	30.789 ug/ml
Spiked Amount 50.000		Recovery =	61.58%
12) S 1-chlorooctadecane (S...	13.283	4282711	36.126 ug/ml
Spiked Amount 50.000		Recovery =	72.25%
Target Compounds			
1) T n-Nonane (C9)	3.201	4659742	34.478 ug/ml
2) T n-Decane (C10)	4.456	4788798	35.438 ug/ml
3) T A~Naphthalene (C11.7)	6.165	5708442	39.721 ug/ml
4) T n-Dodecane (C12)	6.631	5005678	36.697 ug/ml
5) T A~2-methylnaphthalene...	7.266	5136200	37.029 ug/ml
6) T n-Tetradecane (C14)	8.466	5044700	37.382 ug/ml
7) T n-Hexadecane (C16)	10.077	5158064	38.227 ug/ml
8) T n-Octadecane (C18)	11.525	5067333	37.631 ug/ml
10) T n-Eicosane (C20)	12.839	5289294	40.245 ug/ml
11) T n-Heneicosane (C21)	13.450	5080100	39.185 ug/mlm
13) T n-Docosane (C22)	14.039	5110367	40.057 ug/ml
14) T n-Tetracosane (C24)	15.140	11347982	90.699 ug/ml
15) T n-Hexacosane (C26)	16.169	4885255	39.895 ug/ml
16) T n-Octacosane (C28)	17.120	4942213	40.655 ug/ml
17) T n-Tricontane (C30)	18.011	4983682	40.009 ug/ml
18) T n-Dotriacontane (C32)	18.844	4969014	39.735 ug/ml
19) T n-Tetratriacontane (C34)	19.629	4937215	41.447 ug/ml
20) T n-Hexatriacontane (C36)	20.372	5164755	44.605 ug/ml
21) T n-Octatriacontane (C38)	21.100	5354378	49.201 ug/ml
22) T n-Tetracontane (C40)	21.994	5258170	52.989 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 13 Sample Multiplier: 1

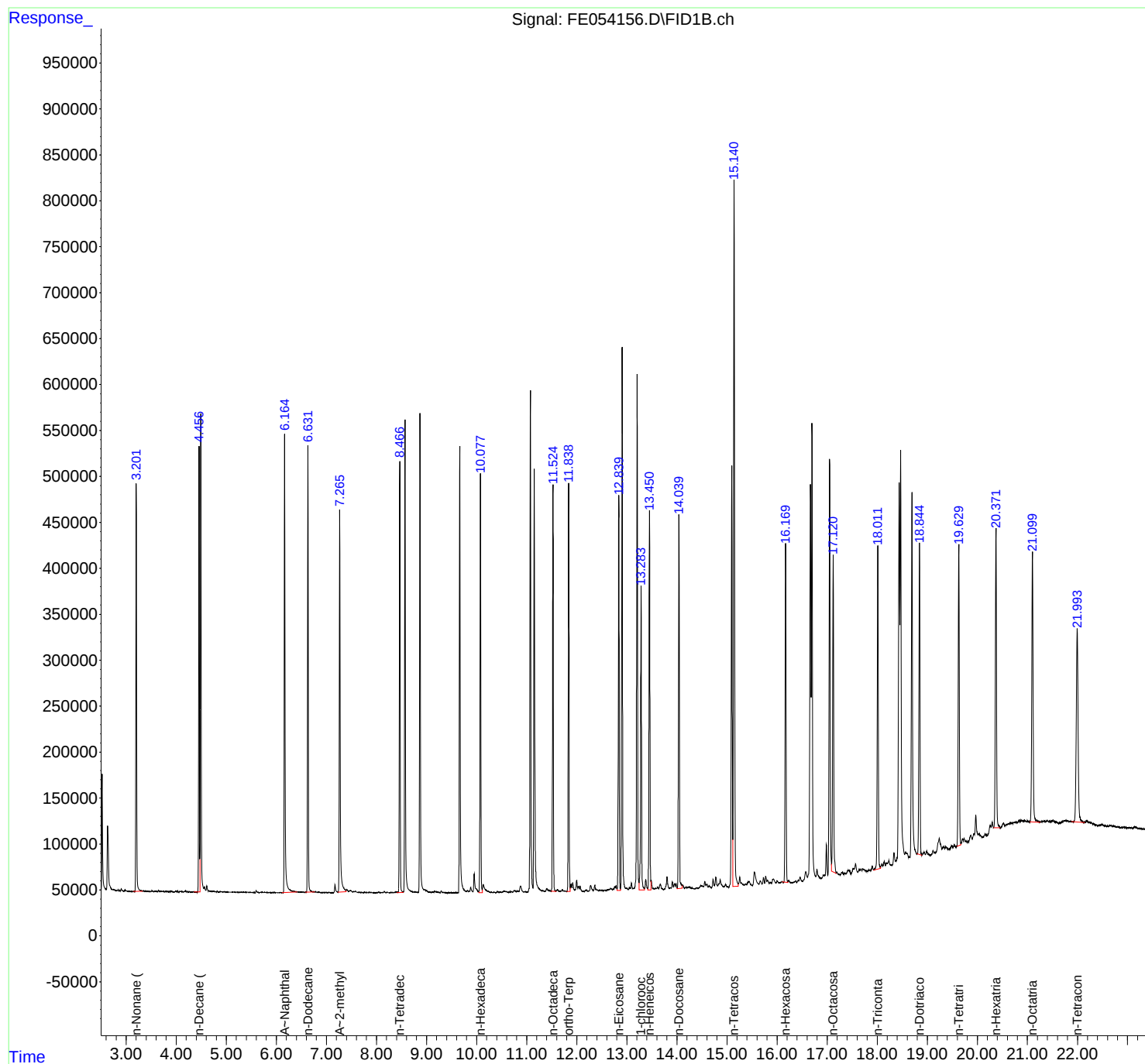
Instrument :
FID_E
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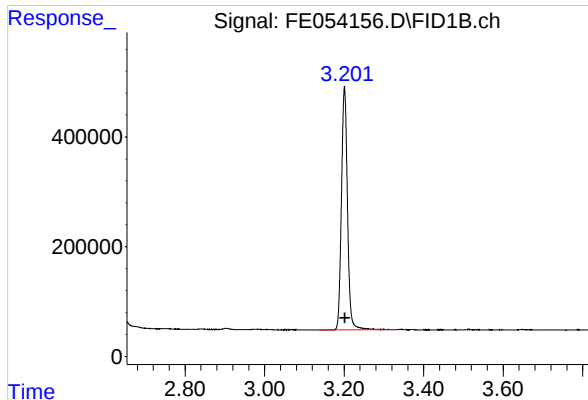
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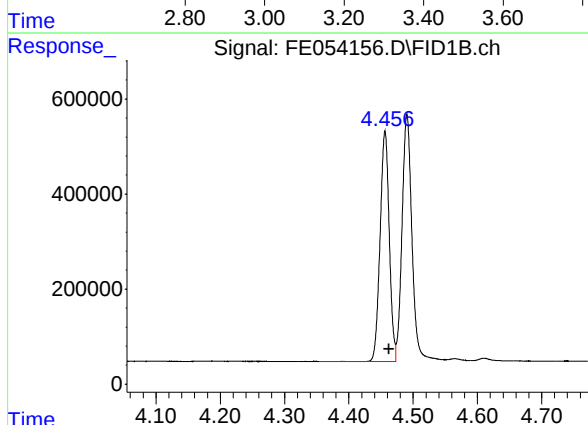
#1 n-Nonane (C9)

R.T.: 3.201 min
Delta R.T.: -0.001 min
Response: 4659742
Conc: 34.48 ug/ml

Instrument :
FID_E
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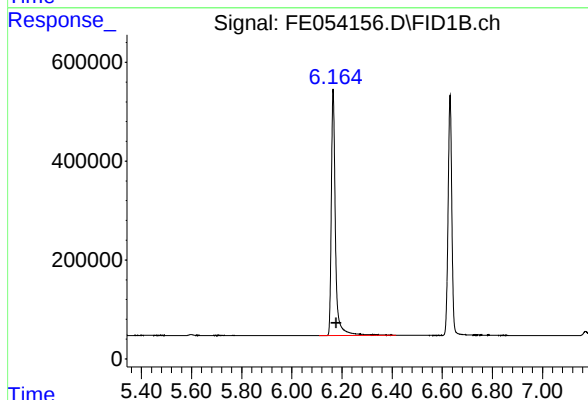
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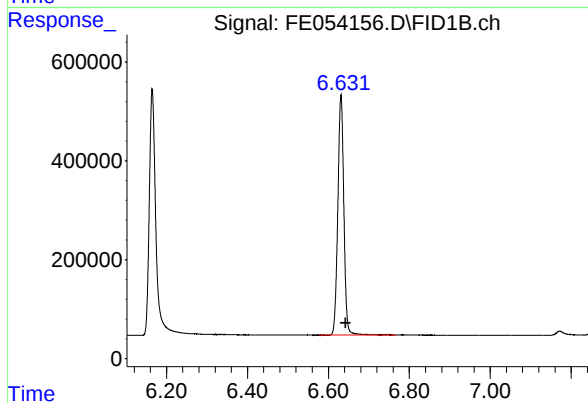
#2 n-Decane (C10)

R.T.: 4.456 min
Delta R.T.: -0.006 min
Response: 4788798
Conc: 35.44 ug/ml



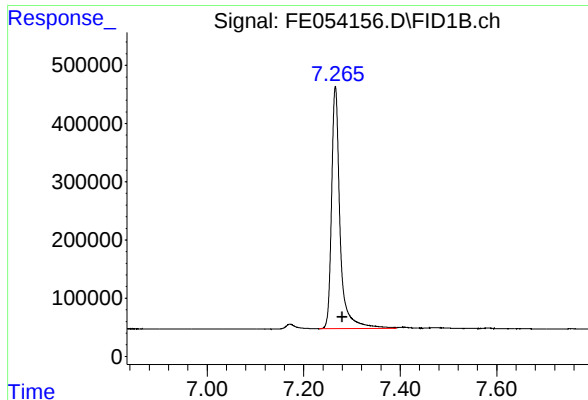
#3 A~Naphthalene (C11.7)

R.T.: 6.165 min
Delta R.T.: -0.013 min
Response: 5708442
Conc: 39.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.631 min
Delta R.T.: -0.011 min
Response: 5005678
Conc: 36.70 ug/ml



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

R.T.: 7.266 min
Delta R.T.: -0.015 min
Response: 5136200
Conc: 37.03 ug/ml

Instrument :

FID_E

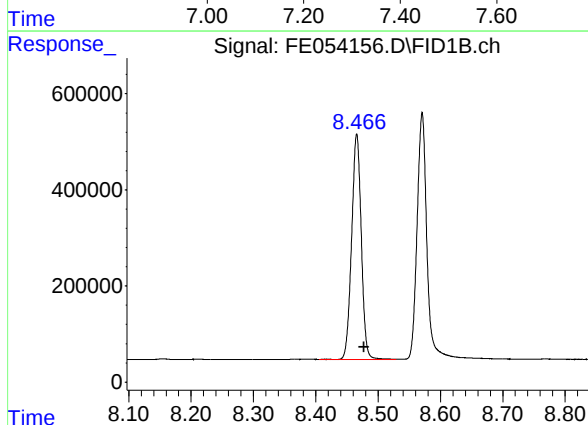
ClientSampleId :

3MSD

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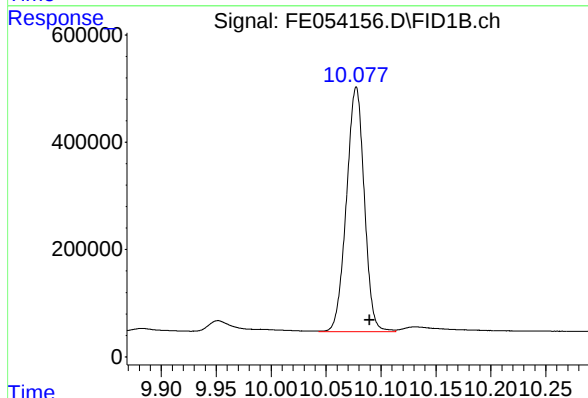
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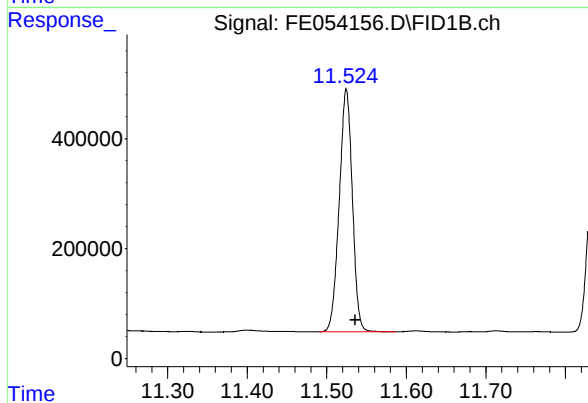
#6 n-Tetradecane (C14)

R.T.: 8.466 min
Delta R.T.: -0.011 min
Response: 5044700
Conc: 37.38 ug/ml



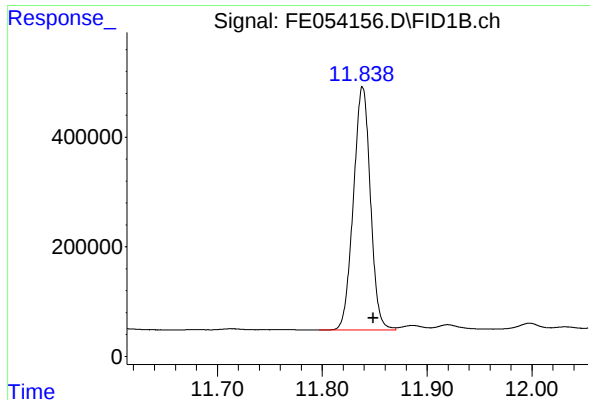
#7 n-Hexadecane (C16)

R.T.: 10.077 min
Delta R.T.: -0.012 min
Response: 5158064
Conc: 38.23 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.525 min
Delta R.T.: -0.011 min
Response: 5067333
Conc: 37.63 ug/ml



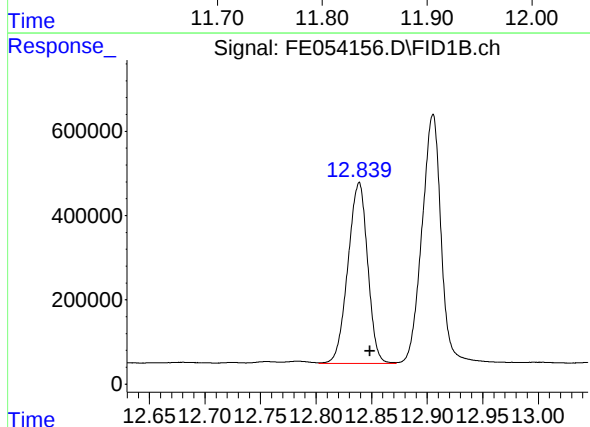
#9 ortho-Terphenyl (SURR)

R.T.: 11.839 min
Delta R.T.: -0.010 min
Response: 5003569
Conc: 30.79 ug/ml

Instrument :
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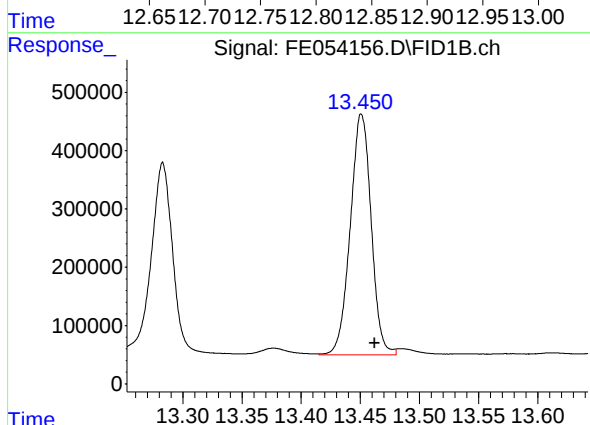
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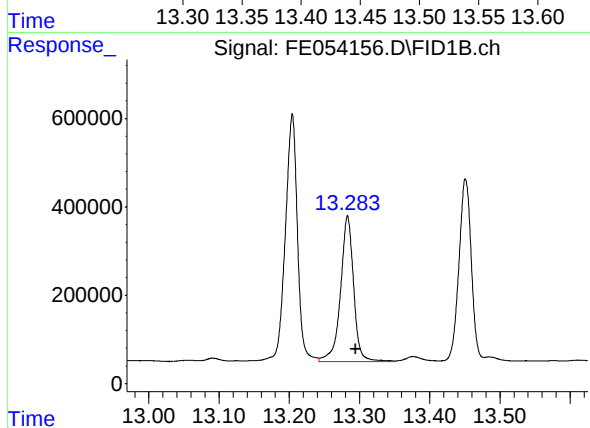
#10 n-Eicosane (C20)

R.T.: 12.839 min
Delta R.T.: -0.010 min
Response: 5289294
Conc: 40.24 ug/ml



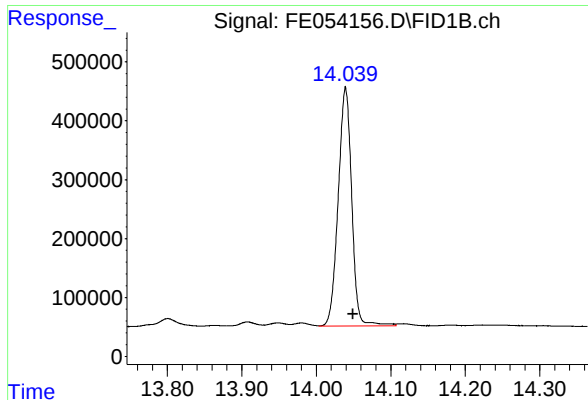
#11 n-Heneicosane (C21)

R.T.: 13.450 min
Delta R.T.: -0.012 min
Response: 5080100
Conc: 39.19 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.283 min
Delta R.T.: -0.011 min
Response: 4282711
Conc: 36.13 ug/ml



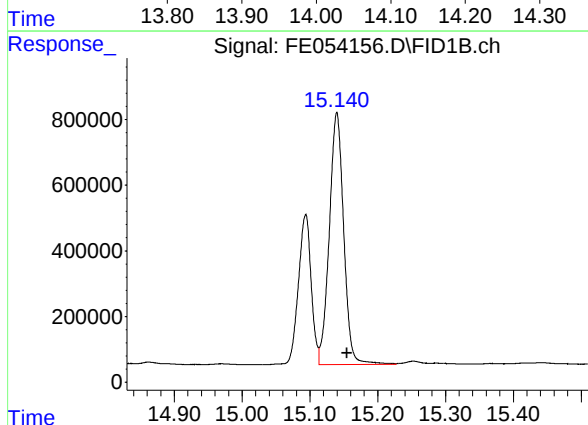
#13 n-Docosane (C22)

R.T.: 14.039 min
Delta R.T.: -0.010 min
Response: 5110367
Conc: 40.06 ug/ml

Instrument :
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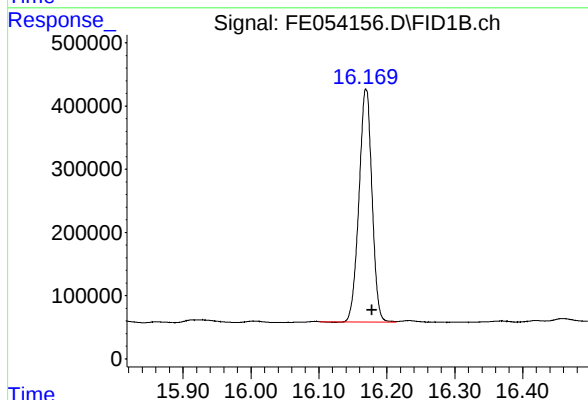
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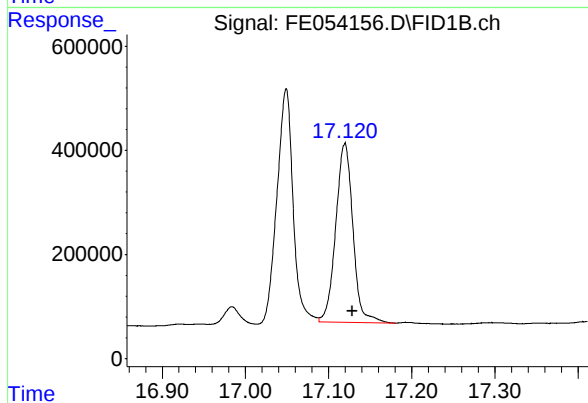
#14 n-Tetracosane (C24)

R.T.: 15.140 min
Delta R.T.: -0.015 min
Response: 11347982
Conc: 90.70 ug/ml



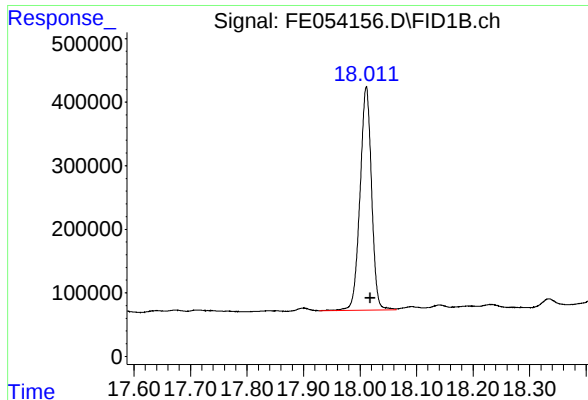
#15 n-Hexacosane (C26)

R.T.: 16.169 min
Delta R.T.: -0.009 min
Response: 4885255
Conc: 39.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.120 min
Delta R.T.: -0.009 min
Response: 4942213
Conc: 40.66 ug/ml



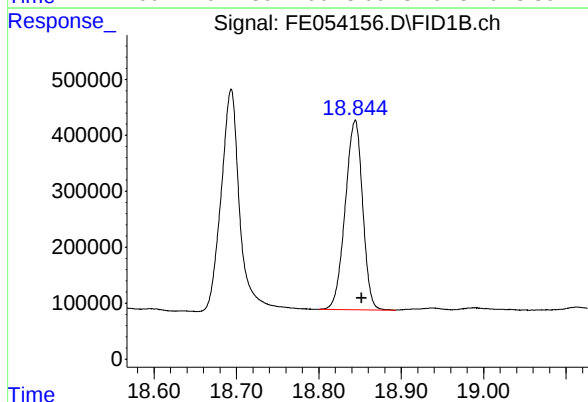
#17 n-Tricontane (C30)

R.T.: 18.011 min
Delta R.T.: -0.007 min
Response: 4983682
Conc: 40.01 ug/ml

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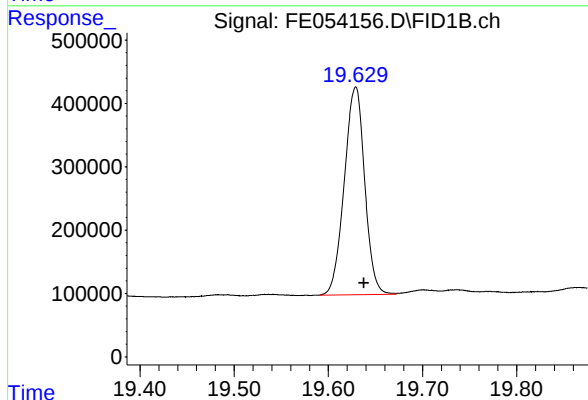
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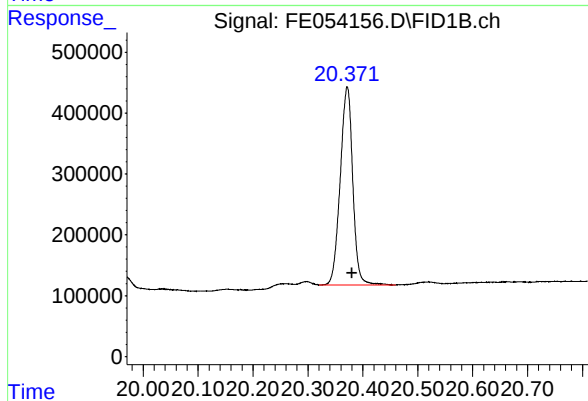
#18 n-Dotriacontane (C32)

R.T.: 18.844 min
Delta R.T.: -0.008 min
Response: 4969014
Conc: 39.73 ug/ml



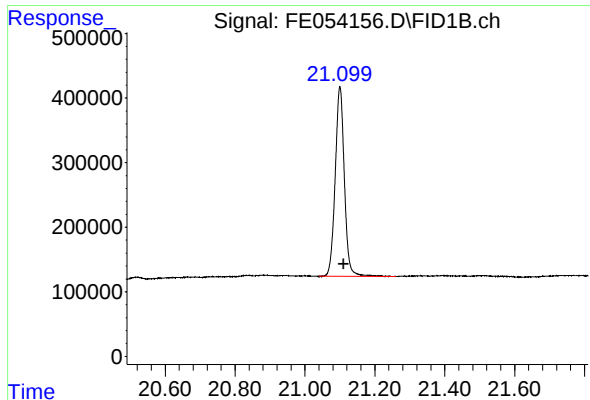
#19 n-Tetratriacontane (C34)

R.T.: 19.629 min
Delta R.T.: -0.009 min
Response: 4937215
Conc: 41.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.372 min
Delta R.T.: -0.009 min
Response: 5164755
Conc: 44.61 ug/ml



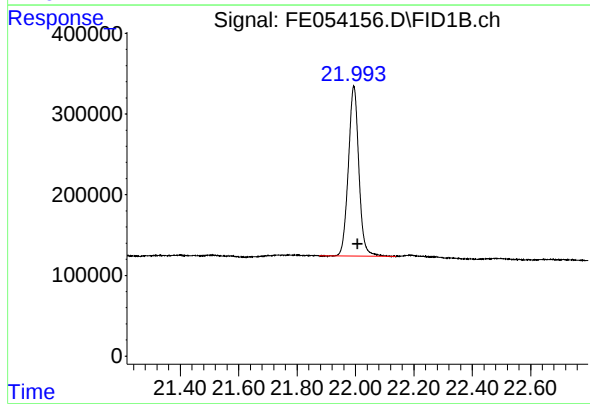
#21 n-Octatriacontane (C38)

R.T.: 21.100 min
Delta R.T.: -0.011 min
Response: 5354378
Conc: 49.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.994 min
Delta R.T.: -0.012 min
Response: 5258170
Conc: 52.99 ug/ml