

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
 Data File : FD049394.D
 Signal(s) : FID2B.ch
 Acq On : 23 May 2025 14:50
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/27/2025
 Supervised By :mohammad ahmed 05/28/2025

Integration File: autoint1.e
 Quant Time: May 27 03:02:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:01:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.745	16840933	99.064 ug/ml
Spiked Amount 50.000		Recovery =	198.13%
6) S 2-Fluorobiphenyl (SURR)	8.613	11672568	99.598 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	199.20%#
11) S ortho-Terphenyl (SURR)	11.660	19768043	95.769 ug/ml
Spiked Amount 50.000		Recovery =	191.54%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.532	15937594	97.830 ug/ml
2) T Naphthalene (C11.7)	6.080	17827127	99.493 ug/ml
3) T 2-Methylnaphthalene (...)	7.136	18177404	99.720 ug/ml
5) T Acenaphthylene (C15.06)	8.417	19487572	98.301 ug/ml
7) T Acenaphthene (C15.5)	8.716	19109276	98.186 ug/ml
8) T Fluorene (C16.55)	9.497	19673567	98.045 ug/ml
9) T Phenanthrene (C19.36)	10.897	19103598	97.493 ug/ml
10) T Anthracene (C19.43)	10.974	17836442	99.127 ug/ml
12) T Fluoranthene (C21.85)	12.714	18198036	97.497 ug/mlm
13) T Pyrene (C20.8)	13.014	17925100	97.154 ug/ml
14) T Benzo[a]anthracene (C...	14.884	15566691	99.220 ug/ml
15) T Chrysene (C27.41)	14.933	15430910	98.422 ug/ml
16) T benzo[b]fluoranthene ...	16.437	14472859	97.485 ug/ml
17) T Bnezo[k]fluoranthene ...	16.478	14258865	96.600 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.821	13463550	96.418 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.187	12939061	99.227 ug/ml
20) T Dibenz[a,h]anthracene...	18.227	12789635	92.535 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.450	13232275	95.704 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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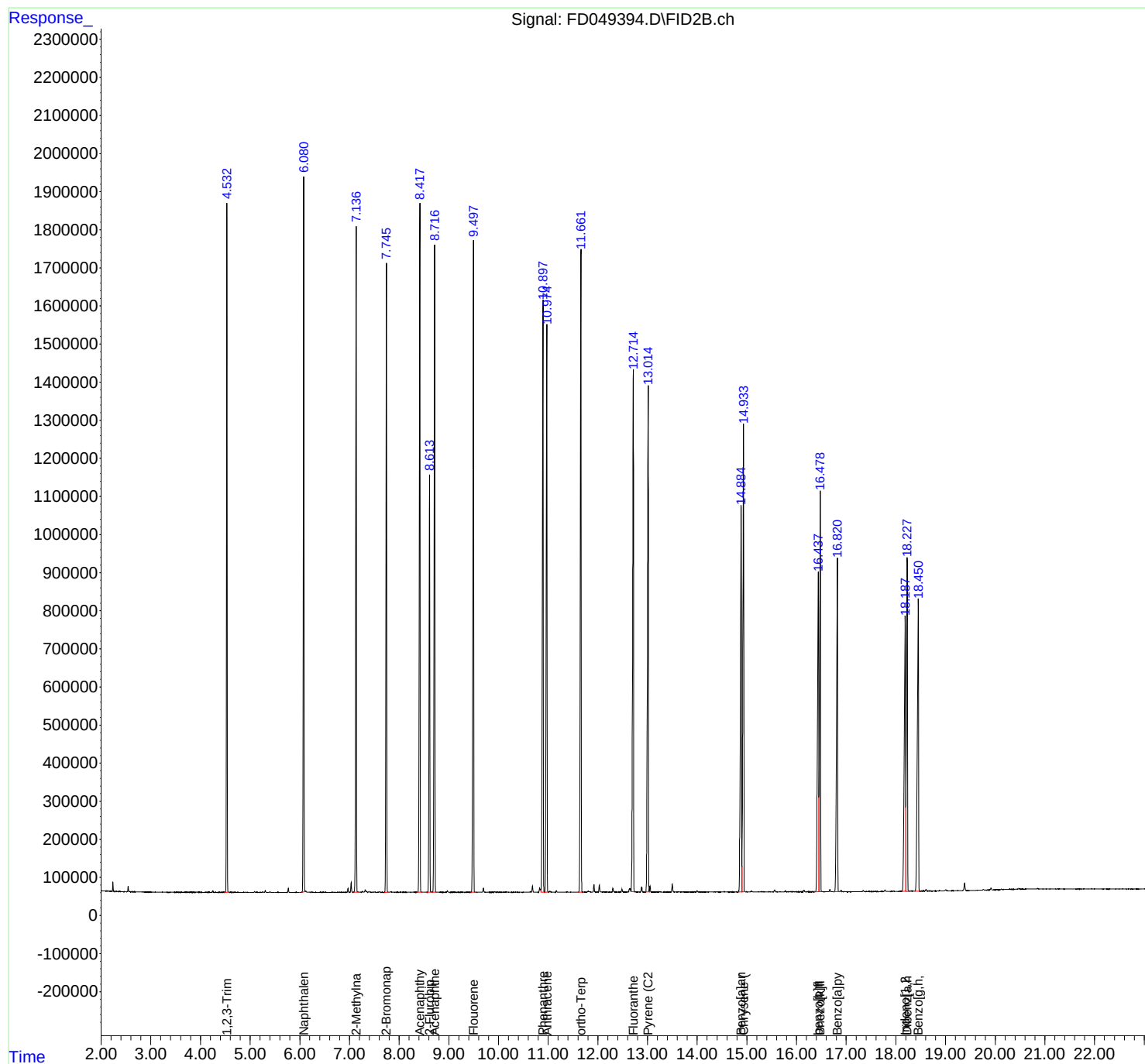
Instrument :
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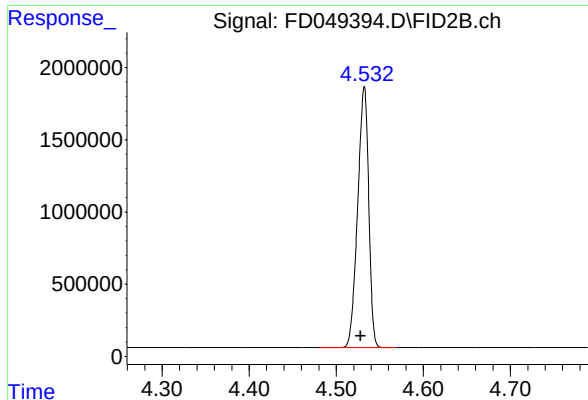
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.532 min
Delta R.T.: 0.004 min
Response: 15937594
Conc: 97.83 ug/ml

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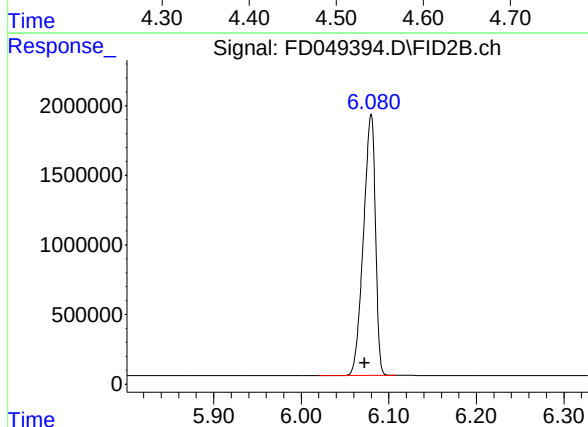
100 PPM AROMATIC HC STD1

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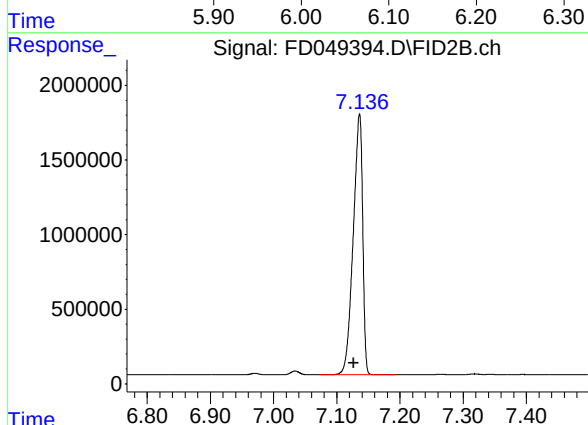
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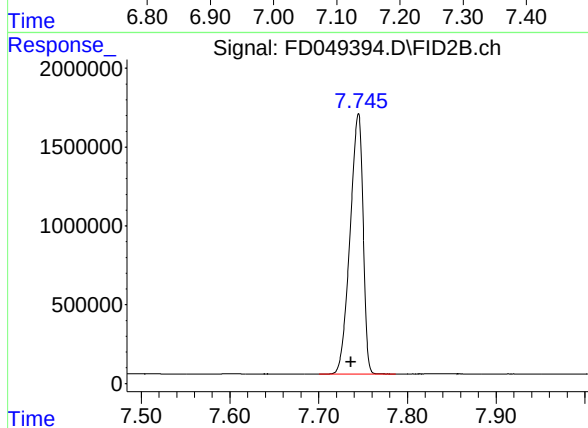
#2 Naphthalene (C11.7)

R.T.: 6.080 min
Delta R.T.: 0.007 min
Response: 17827127
Conc: 99.49 ug/ml



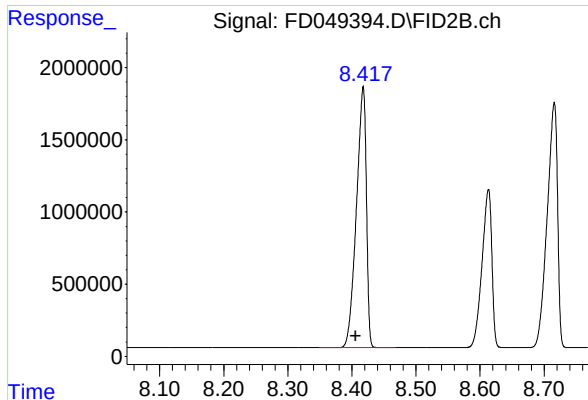
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.136 min
Delta R.T.: 0.009 min
Response: 18177404
Conc: 99.72 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.745 min
Delta R.T.: 0.008 min
Response: 16840933
Conc: 99.06 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.417 min
Delta R.T.: 0.011 min
Response: 19487572
Conc: 98.30 ug/ml

Instrument :

FID_D

ClientSampleId :

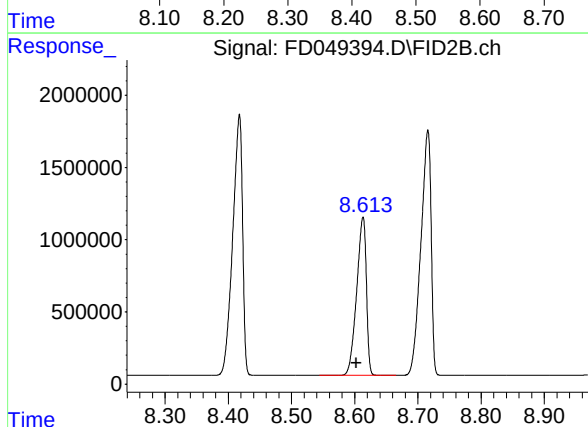
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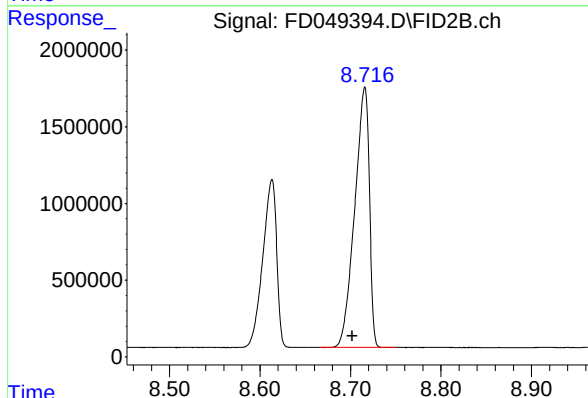
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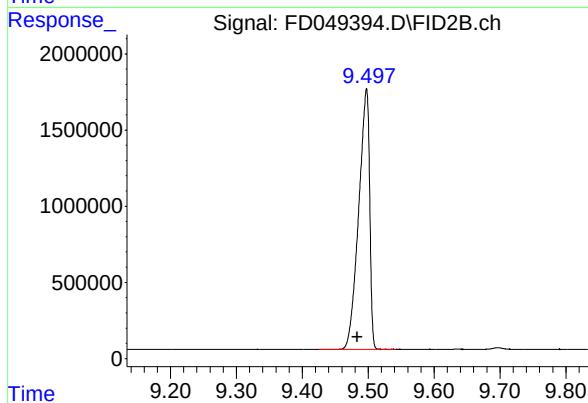
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.613 min
Delta R.T.: 0.011 min
Response: 11672568
Conc: 99.60 ug/ml



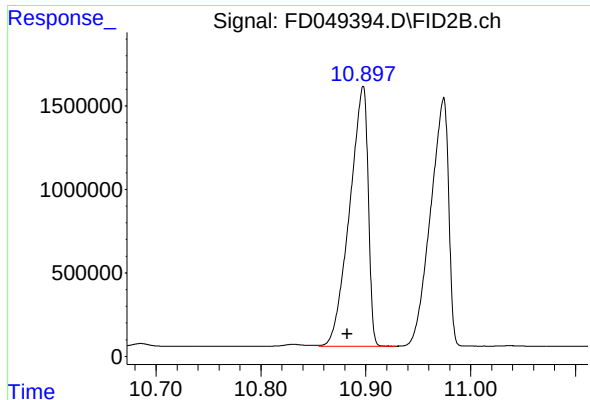
#7 Acenaphthene (C15.5)

R.T.: 8.716 min
Delta R.T.: 0.013 min
Response: 19109276
Conc: 98.19 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.497 min
Delta R.T.: 0.014 min
Response: 19673567
Conc: 98.04 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.897 min
Delta R.T.: 0.015 min
Response: 19103598
Conc: 97.49 ug/ml

Instrument :

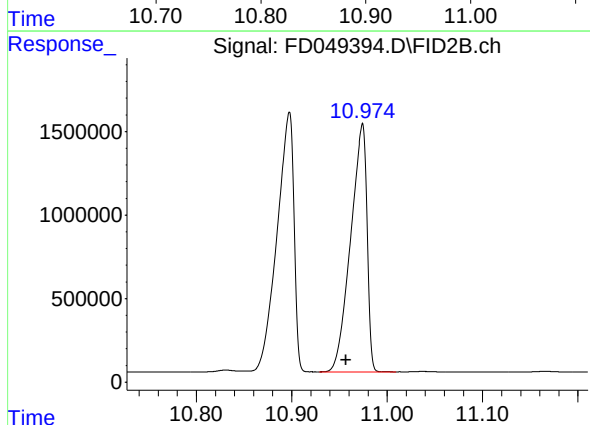
FID_D

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100 PPM AROMATIC HC STD1

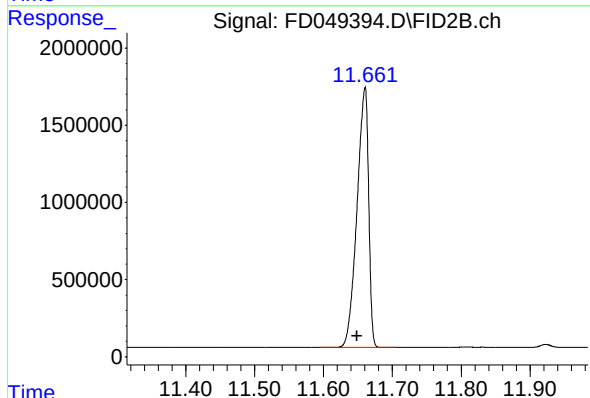
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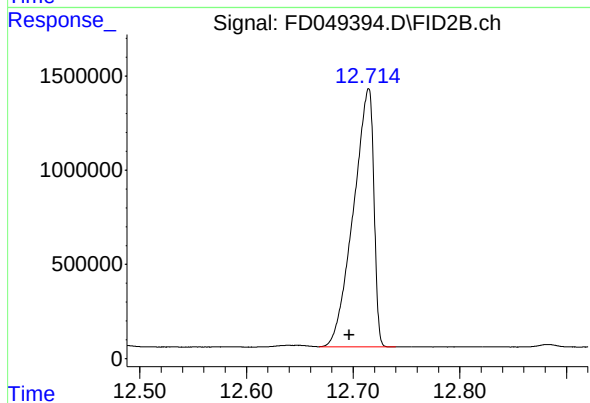
#10 Anthracene (C19.43)

R.T.: 10.974 min
Delta R.T.: 0.017 min
Response: 17836442
Conc: 99.13 ug/ml



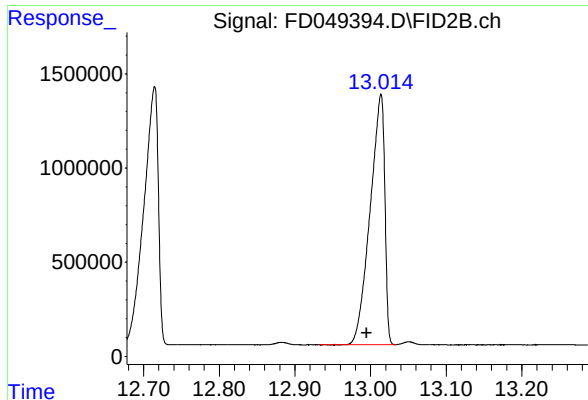
#11 ortho-Terphenyl (SURRE)

R.T.: 11.660 min
Delta R.T.: 0.012 min
Response: 19768043
Conc: 95.77 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.714 min
Delta R.T.: 0.018 min
Response: 18198036
Conc: 97.50 ug/ml m



#13 Pyrene (C20.8)

R.T.: 13.014 min
Delta R.T.: 0.019 min
Response: 17925100
Conc: 97.15 ug/ml

Instrument :

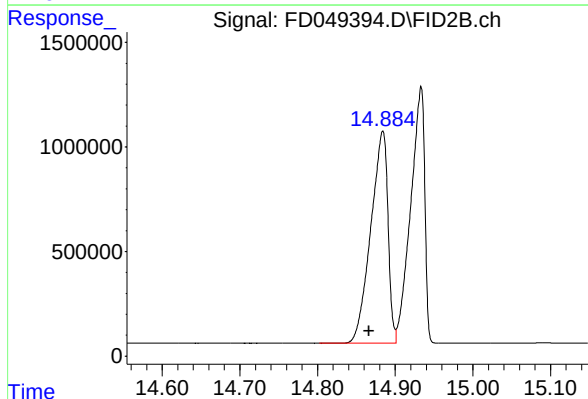
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

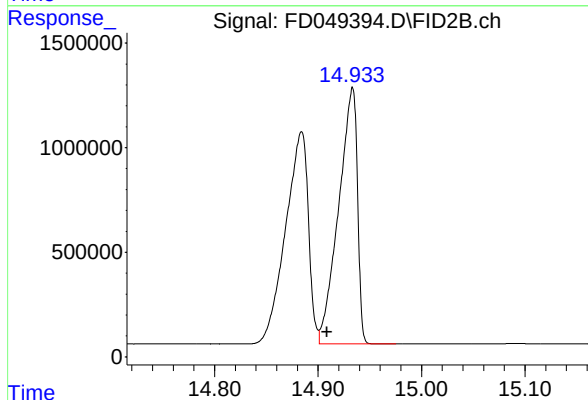
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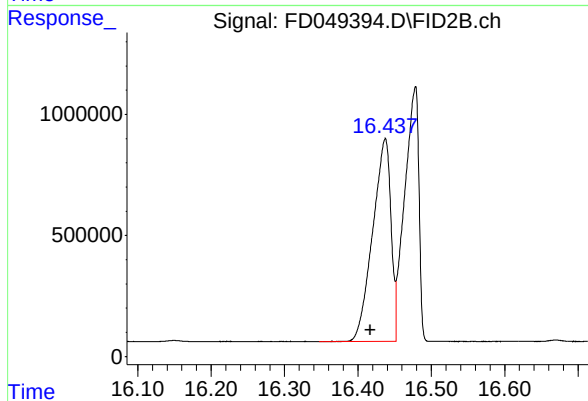
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.884 min
Delta R.T.: 0.018 min
Response: 15566691
Conc: 99.22 ug/ml



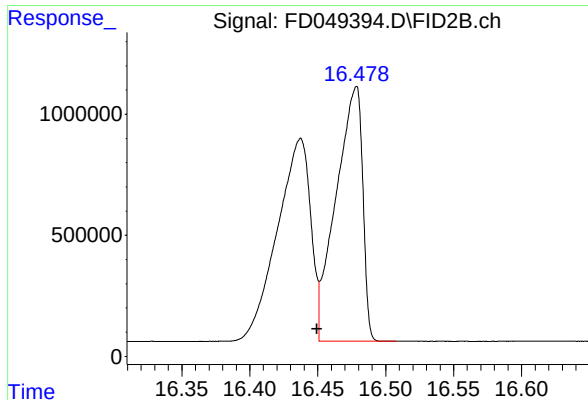
#15 Chrysene (C27.41)

R.T.: 14.933 min
Delta R.T.: 0.024 min
Response: 15430910
Conc: 98.42 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.437 min
Delta R.T.: 0.020 min
Response: 14472859
Conc: 97.49 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.478 min
Delta R.T.: 0.029 min
Response: 14258865
Conc: 96.60 ug/ml

Instrument :

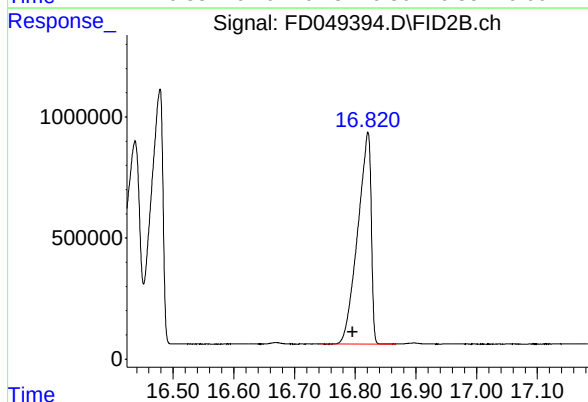
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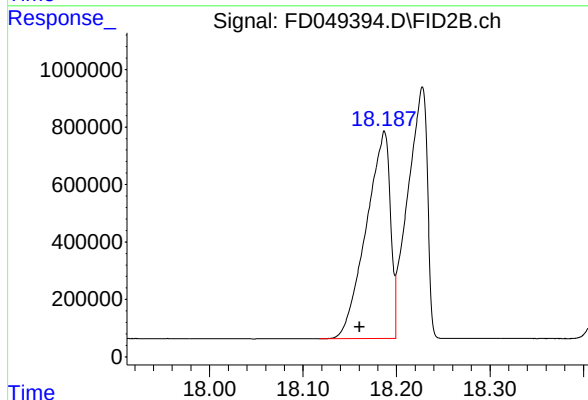
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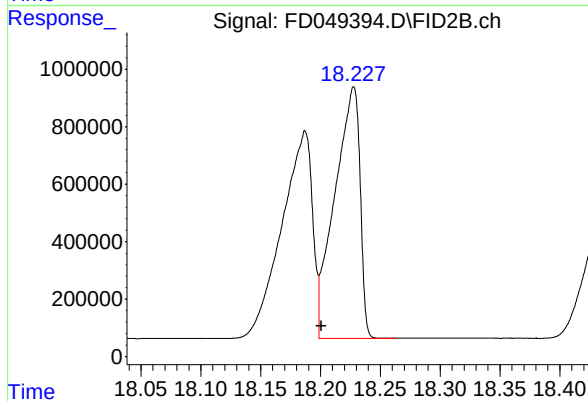
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.821 min
Delta R.T.: 0.025 min
Response: 13463550
Conc: 96.42 ug/ml



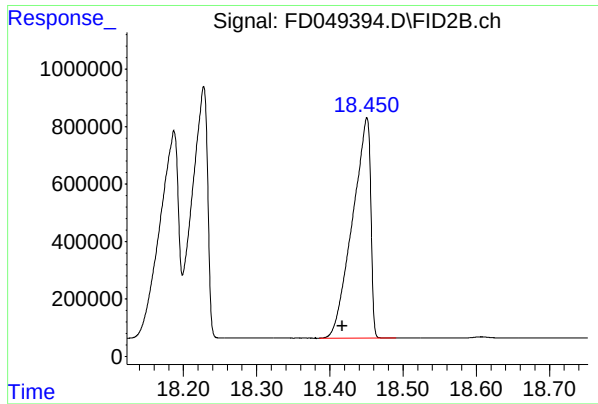
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.187 min
Delta R.T.: 0.026 min
Response: 12939061
Conc: 99.23 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.227 min
Delta R.T.: 0.027 min
Response: 12789635
Conc: 92.54 ug/ml m



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.450 min
Delta R.T.: 0.033 min
Response: 13232275
Conc: 95.70 ug/ml

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