

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100825AR\
 Data File : FD049835.D
 Signal(s) : FID2B.ch
 Acq On : 08 Oct 2025 13:43
 Operator : YP/AJ
 Sample : Q3301-01MSD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

SOILMSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/09/2025

Supervised By :mohammad ahmed 10/10/2025

Integration File: sample.E

Quant Time: Oct 09 06:29:02 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M

Quant Title : GC Extractables

QLast Update : Thu Oct 02 17:50:17 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

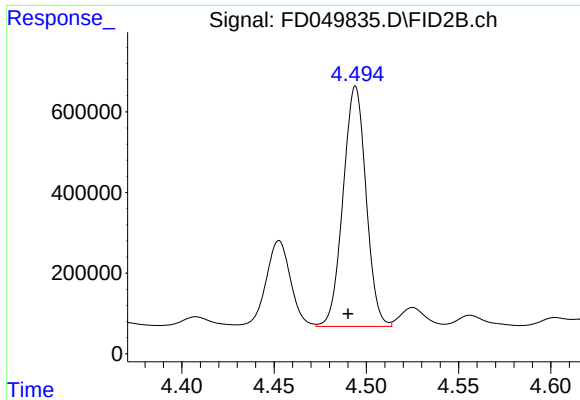
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.710	10703059	90.082 ug/mlm
Spiked Amount 50.000		Recovery =	180.16%
6) S 2-Fluorobiphenyl (SURR)	8.579	6091737	71.752 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	143.50%#
11) S ortho-Terphenyl (SURR)	11.625	6956160	46.597 ug/mlm
Spiked Amount 50.000		Recovery =	93.19%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.494	5160258	45.408 ug/ml
2) T Naphthalene (C11.7)	6.040	8977937	68.048 ug/ml
3) T 2-Methylnaphthalene (...)	7.105	18902246	136.614 ug/mlm
5) T Acenaphthylene (C15.06)	8.387	18513751	126.717 ug/mlm
7) T Acenaphthene (C15.5)	8.684	16012559	109.968 ug/mlm
8) T Flouorene (C16.55)	9.470	17517612	119.953 ug/mlm
9) T Phenanthrene (C19.36)	10.871	16606916	113.605 ug/mlm
10) T Anthracene (C19.43)	10.948	16003603	117.766 ug/mlm
12) T Fluoranthene (C21.85)	12.686	15179344	106.548 ug/mlm
13) T Pyrene (C20.8)	12.983	14476290	102.979 ug/mlm
14) T Benzo[a]anthracene (C...	14.848	12634639	100.460 ug/mlm
15) T Chrysene (C27.41)	14.895	13994952	108.935 ug/mlm
16) T benzo[b]fluoranthene ...	16.399	12267499	98.481 ug/ml
17) T Bnezo[k]fluoranthene ...	16.438	12074592	102.793 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.780	11510780	94.849 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.149	11795400	104.905 ug/mlm
20) T Dibenz[a,h]anthracene...	18.187	10719714	87.681 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.408	11358658	94.968 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



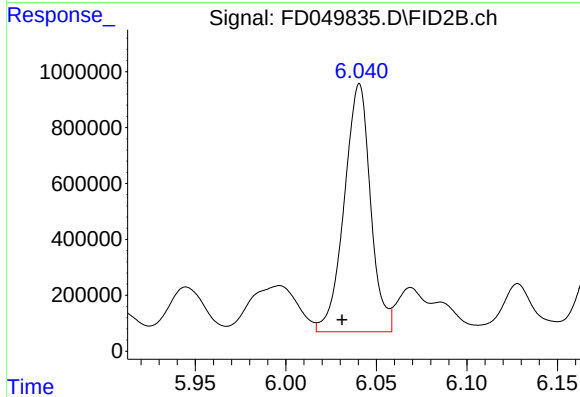
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.494 min
Delta R.T.: 0.004 min
Response: 5160258
Conc: 45.41 ug/ml

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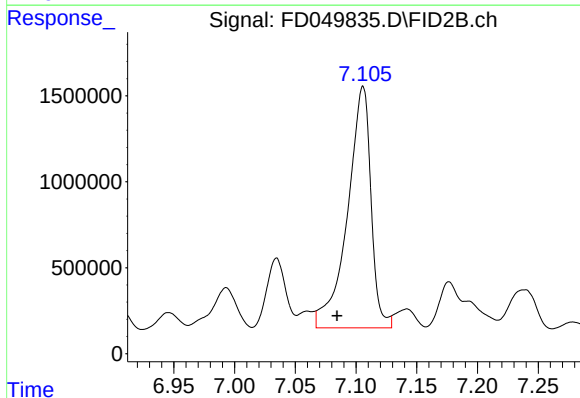
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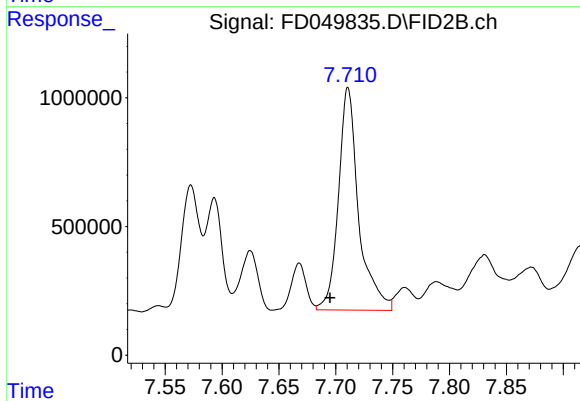
#2 Naphthalene (C11.7)

R.T.: 6.040 min
Delta R.T.: 0.009 min
Response: 8977937
Conc: 68.05 ug/ml



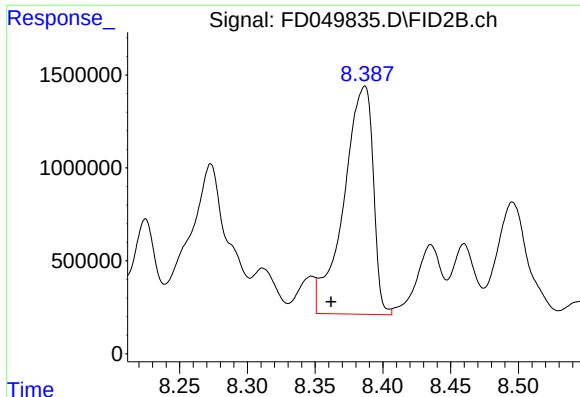
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.105 min
Delta R.T.: 0.021 min
Response: 18902246
Conc: 136.61 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.710 min
Delta R.T.: 0.015 min
Response: 10703059
Conc: 90.08 ug/ml m



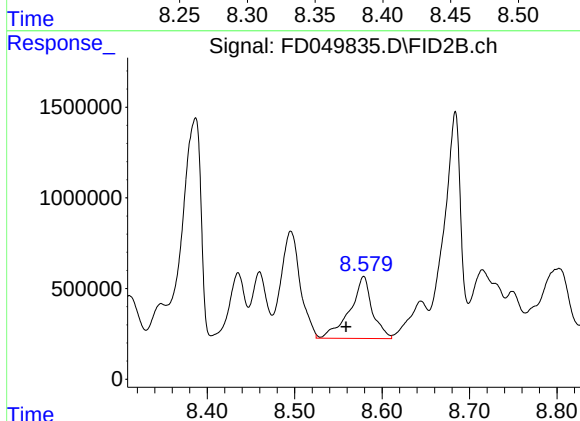
#5 Acenaphthylene (C15.06)

R.T.: 8.387 min
Delta R.T.: 0.025 min
Response: 18513751
Conc: 126.72 ug/ml

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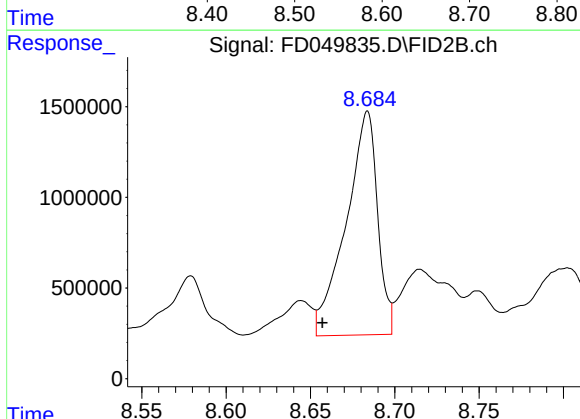
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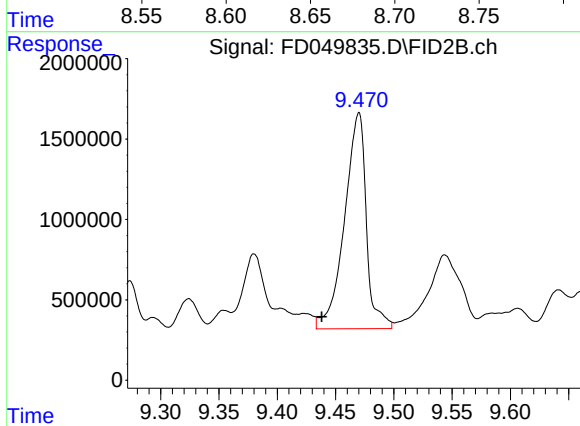
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.579 min
Delta R.T.: 0.020 min
Response: 6091737
Conc: 71.75 ug/ml m



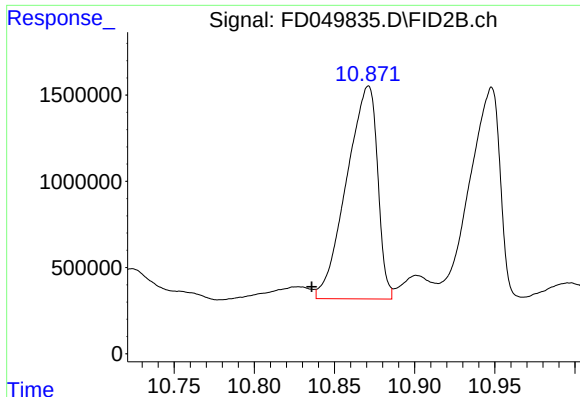
#7 Acenaphthene (C15.5)

R.T.: 8.684 min
Delta R.T.: 0.026 min
Response: 16012559
Conc: 109.97 ug/ml m



#8 Flouorene (C16.55)

R.T.: 9.470 min
Delta R.T.: 0.032 min
Response: 17517612
Conc: 119.95 ug/ml m



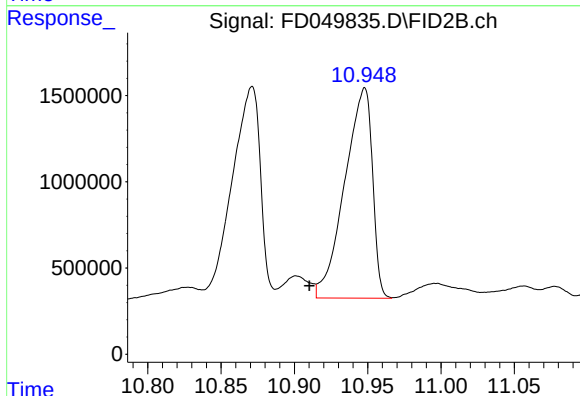
#9 Phenanthrene (C19.36)

R.T.: 10.871 min
Delta R.T.: 0.035 min
Response: 16606916
Conc: 113.61 ug/ml

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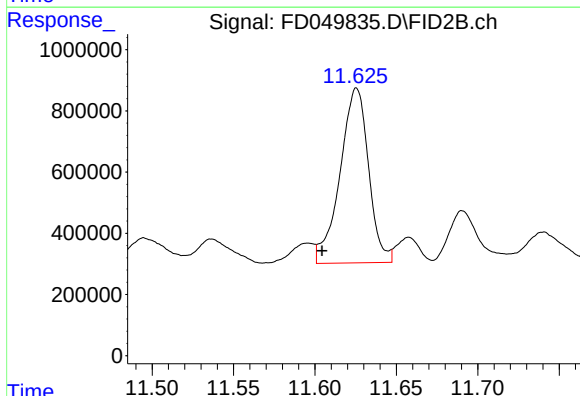
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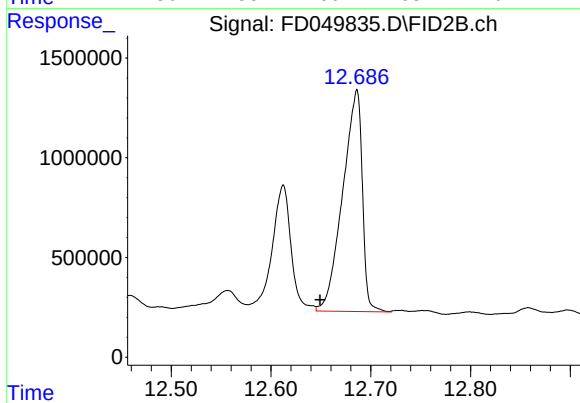
#10 Anthracene (C19.43)

R.T.: 10.948 min
Delta R.T.: 0.037 min
Response: 16003603
Conc: 117.77 ug/ml m



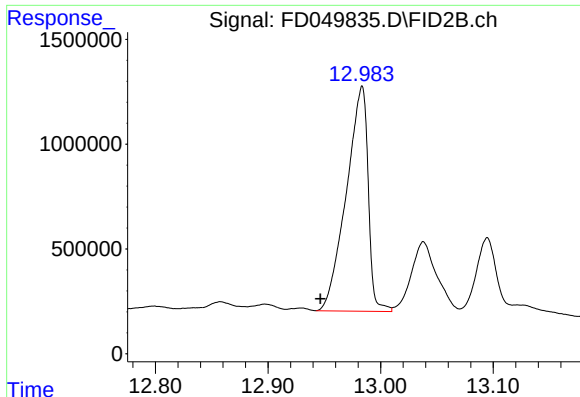
#11 ortho-Terphenyl (SURR)

R.T.: 11.625 min
Delta R.T.: 0.021 min
Response: 6956160
Conc: 46.60 ug/ml m



#12 Fluoranthene (C21.85)

R.T.: 12.686 min
Delta R.T.: 0.037 min
Response: 15179344
Conc: 106.55 ug/ml m



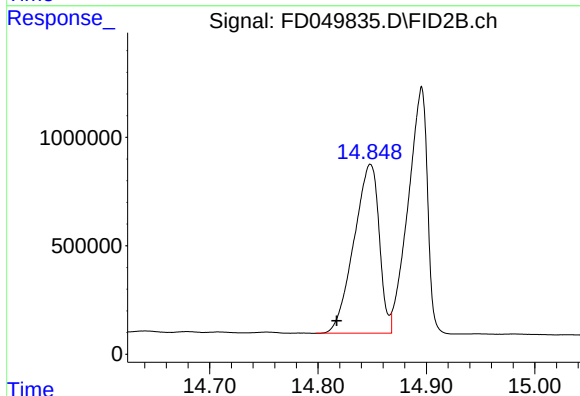
#13 Pyrene (C20.8)

R.T.: 12.983 min
Delta R.T.: 0.037 min
Response: 14476290
Conc: 102.98 ug/ml

Instrument :
FID_D
ClientSampleId :
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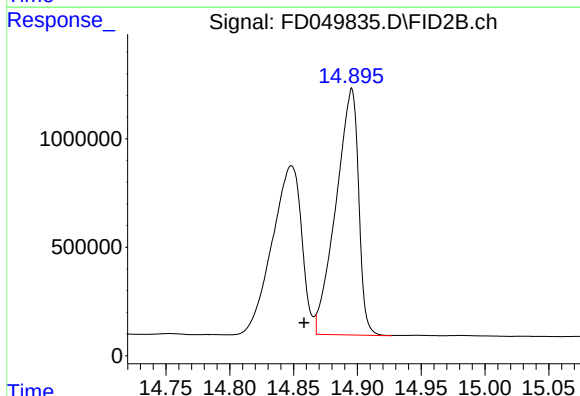
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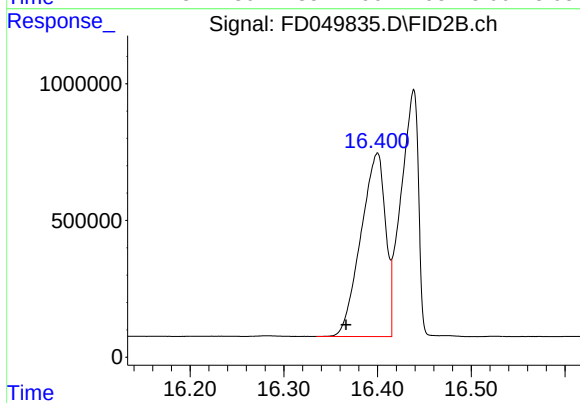
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.848 min
Delta R.T.: 0.030 min
Response: 12634639
Conc: 100.46 ug/ml m



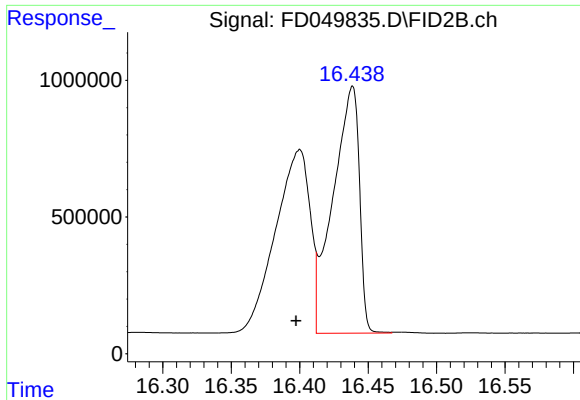
#15 Chrysene (C27.41)

R.T.: 14.895 min
Delta R.T.: 0.037 min
Response: 13994952
Conc: 108.94 ug/ml m



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

R.T.: 16.399 min
Delta R.T.: 0.033 min
Response: 12267499
Conc: 98.48 ug/ml



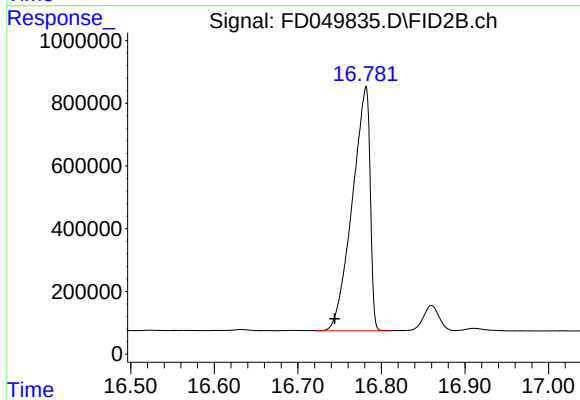
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.438 min
Delta R.T.: 0.041 min
Response: 12074592
Conc: 102.79 ug/ml

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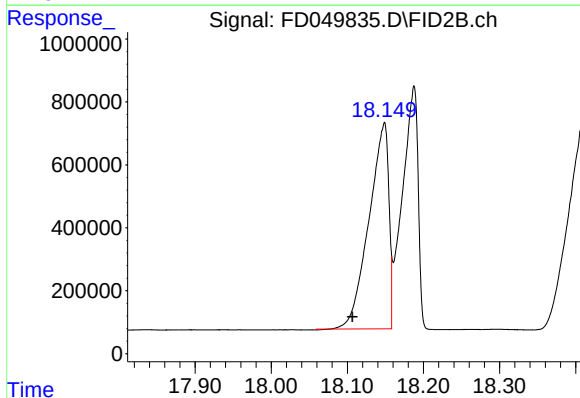
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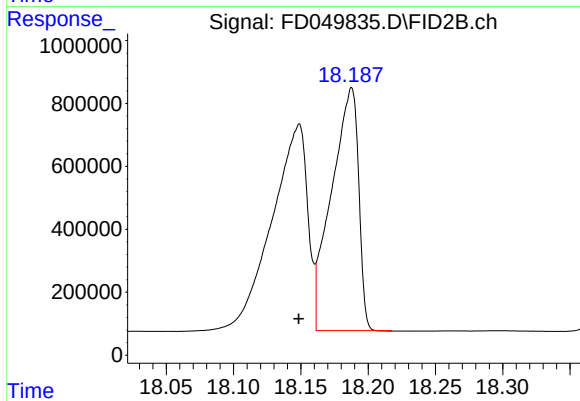
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.780 min
Delta R.T.: 0.036 min
Response: 11510780
Conc: 94.85 ug/ml



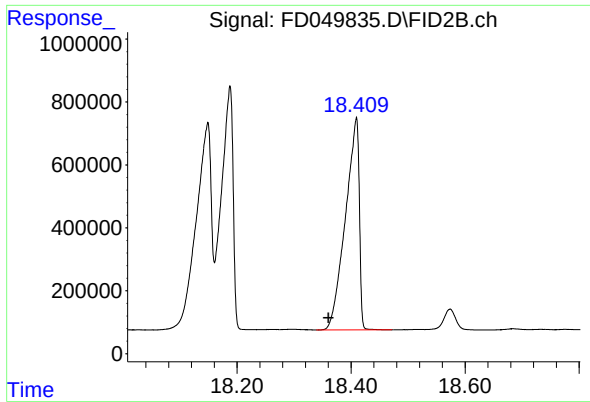
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.149 min
Delta R.T.: 0.042 min
Response: 11795400
Conc: 104.90 ug/ml m



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

R.T.: 18.187 min
Delta R.T.: 0.039 min
Response: 10719714
Conc: 87.68 ug/ml m



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

R.T.: 18.408 min
Delta R.T.: 0.048 min
Response: 11358658
Conc: 94.97 ug/ml

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