

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101525AR\
 Data File : FD049843.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2025 15:24
 Operator : YP/AJ
 Sample : PB170099BS
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB170099BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2025
 Supervised By :mohammad ahmed 10/17/2025

Integration File: autoint1.e
 Quant Time: Oct 16 03:38:35 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

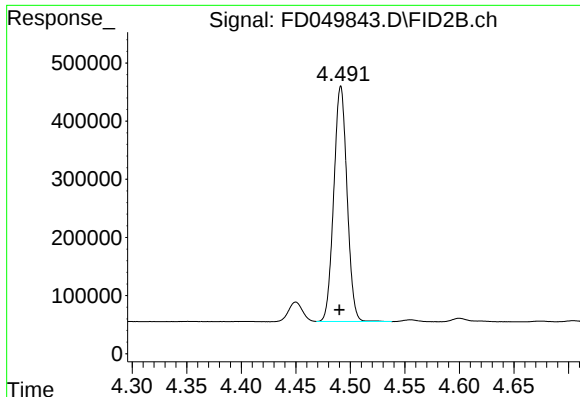
Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.702	4331722	36.458 ug/ml
Spiked Amount 50.000		Recovery =	72.92%
6) S 2-Fluorobiphenyl (SURR)	8.567	3044056	35.854 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	71.71%
11) S ortho-Terphenyl (SURR)	11.614	6129464	41.059 ug/ml
Spiked Amount 50.000		Recovery =	82.12%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.491	3433175	30.210 ug/ml
2) T Naphthalene (C11.7)	6.035	4267583	32.346 ug/ml
3) T 2-Methylnaphthalene (...)	7.090	4276302	30.907 ug/ml
5) T Acenaphthylene (C15.06)	8.371	5203557	35.616 ug/ml
7) T Acenaphthene (C15.5)	8.667	5262420	36.140 ug/ml
8) T Flouorene (C16.55)	9.449	5620479	38.487 ug/ml
9) T Phenanthrene (C19.36)	10.848	5946890	40.682 ug/ml
10) T Anthracene (C19.43)	10.923	5507434	40.528 ug/ml
12) T Fluoranthene (C21.85)	12.664	6128723	43.019 ug/ml
13) T Pyrene (C20.8)	12.962	6176771	43.939 ug/ml
14) T Benzo[a]anthracene (C...	14.834	5524273	43.925 ug/ml
15) T Chrysene (C27.41)	14.879	6127977	47.699 ug/ml
16) T benzo[b]fluoranthene ...	16.386	5499880	44.152 ug/ml
17) T Bnezo[k]fluoranthene ...	16.422	5333266	45.403 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.767	5249564	43.257 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.133	5331116	47.413 ug/ml
20) T Dibenz[a,h]anthracene...	18.171	4957710	40.551 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.389	4876129	40.769 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



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

R.T.: 4.491 min
Delta R.T.: 0.001 min
Response: 3433175
Conc: 30.21 ug/ml

Instrument :

FID_D

ClientSampleId :

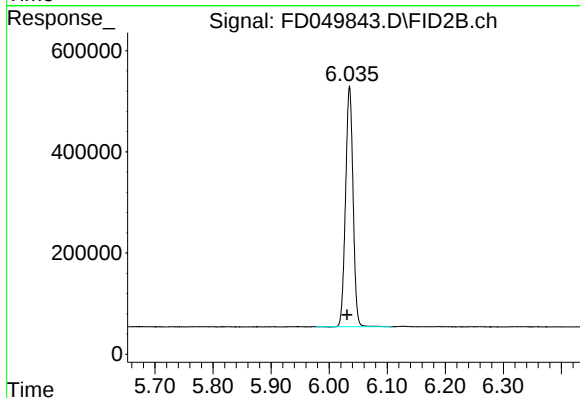
PB170099BS

Manual Integrations

APPROVED

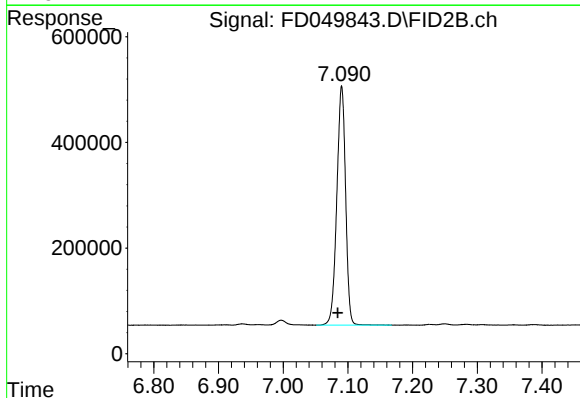
Reviewed By :Yogesh Patel 10/16/2025

Supervised By :mohammad ahmed 10/17/2025



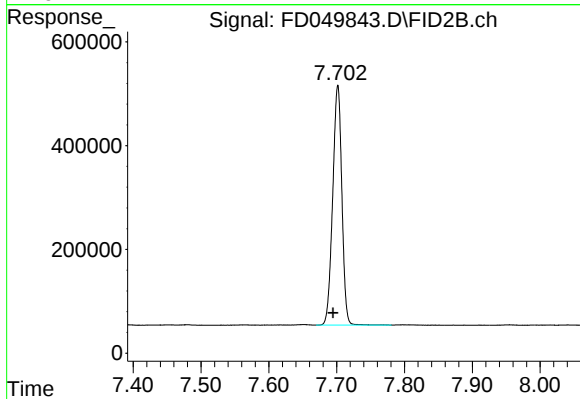
#2 Naphthalene (C11.7)

R.T.: 6.035 min
Delta R.T.: 0.004 min
Response: 4267583
Conc: 32.35 ug/ml



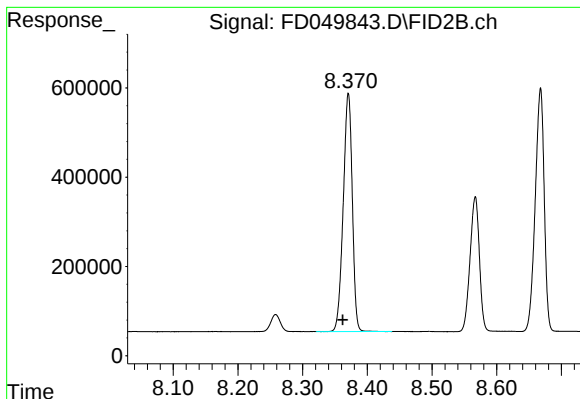
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.090 min
Delta R.T.: 0.006 min
Response: 4276302
Conc: 30.91 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.702 min
Delta R.T.: 0.006 min
Response: 4331722
Conc: 36.46 ug/ml



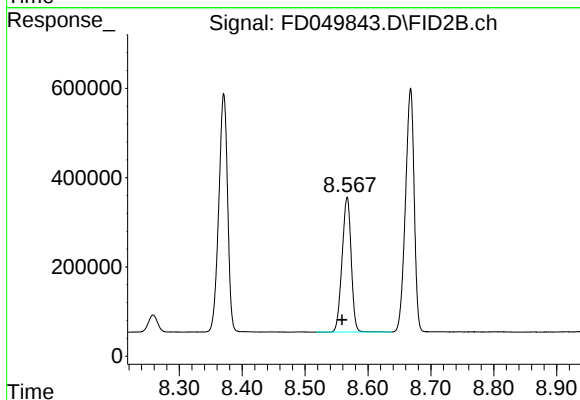
#5 Acenaphthylene (C15.06)

R.T.: 8.371 min
Delta R.T.: 0.009 min
Response: 5203557
Conc: 35.62 ug/ml

Instrument :
FID_D
ClientSampleId :
PB170099BS

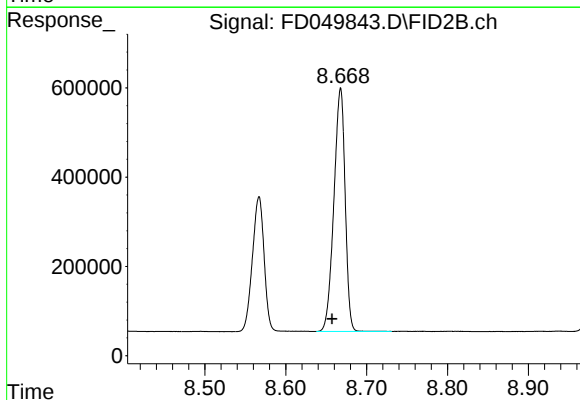
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



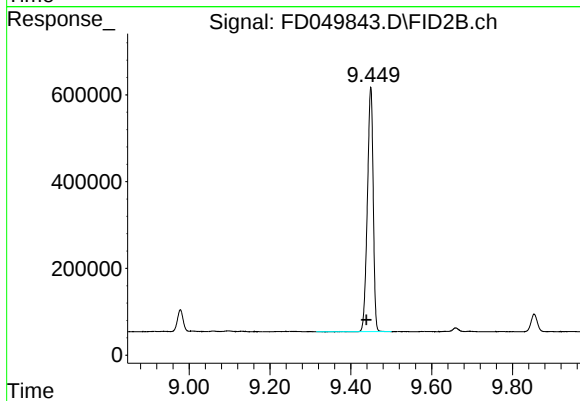
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.567 min
Delta R.T.: 0.008 min
Response: 3044056
Conc: 35.85 ug/ml



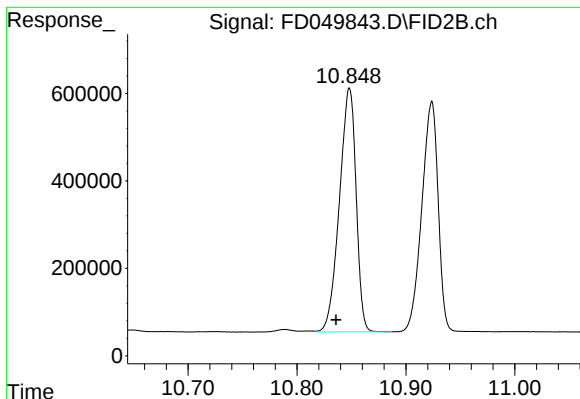
#7 Acenaphthene (C15.5)

R.T.: 8.667 min
Delta R.T.: 0.010 min
Response: 5262420
Conc: 36.14 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.449 min
Delta R.T.: 0.011 min
Response: 5620479
Conc: 38.49 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.848 min
Delta R.T.: 0.012 min
Response: 5946890
Conc: 40.68 ug/ml

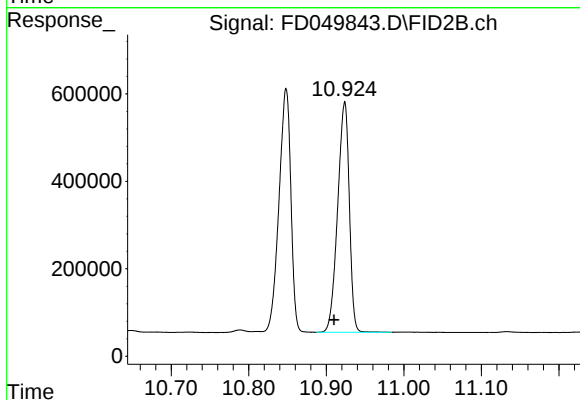
Instrument :

FID_D

ClientSampleId :
PB170099BS

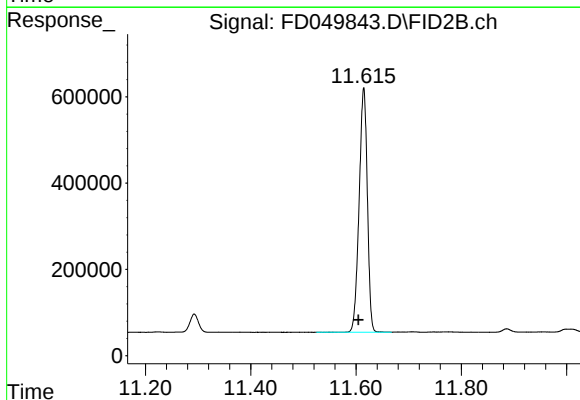
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



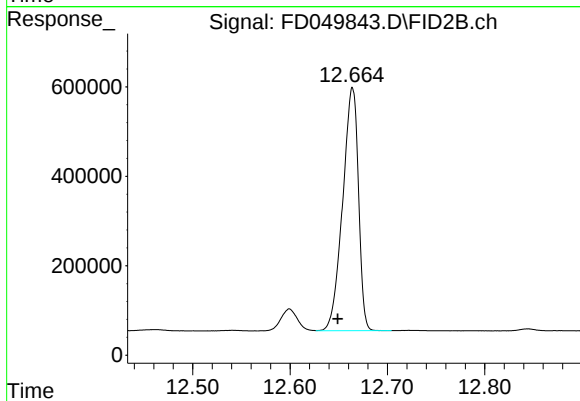
#10 Anthracene (C19.43)

R.T.: 10.923 min
Delta R.T.: 0.013 min
Response: 5507434
Conc: 40.53 ug/ml



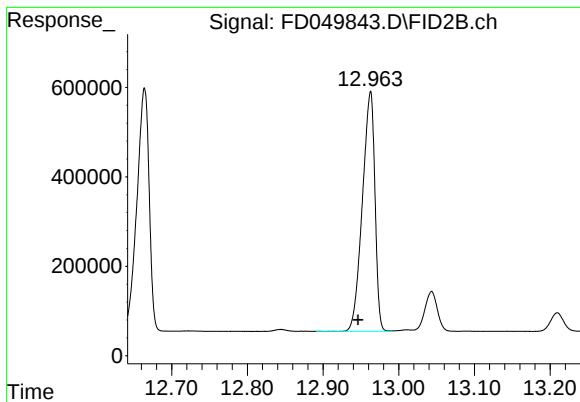
#11 ortho-Terphenyl (SURR)

R.T.: 11.614 min
Delta R.T.: 0.010 min
Response: 6129464
Conc: 41.06 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.664 min
Delta R.T.: 0.015 min
Response: 6128723
Conc: 43.02 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.962 min
Delta R.T.: 0.016 min
Response: 6176771
Conc: 43.94 ug/ml

Instrument :

FID_D

ClientSampleId :

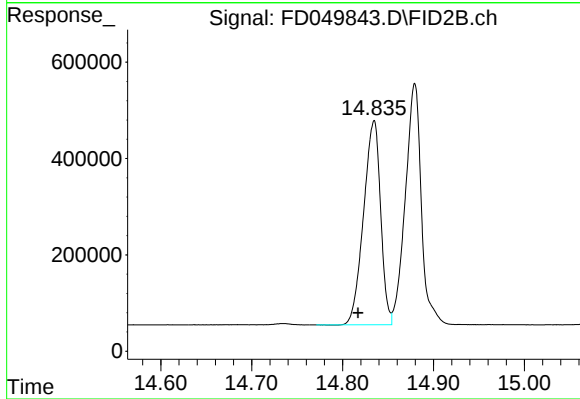
PB170099BS

Manual Integrations

APPROVED

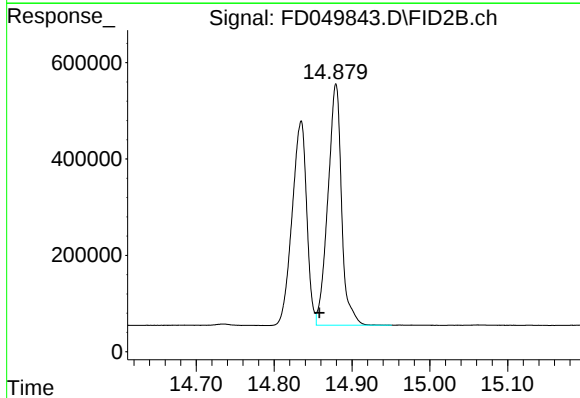
Reviewed By :Yogesh Patel 10/16/2025

Supervised By :mohammad ahmed 10/17/2025



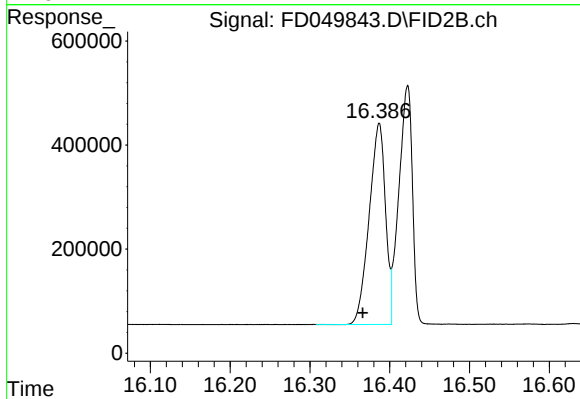
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.834 min
Delta R.T.: 0.017 min
Response: 5524273
Conc: 43.92 ug/ml



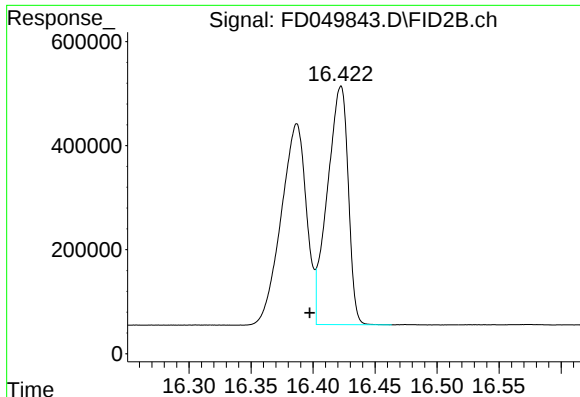
#15 Chrysene (C27.41)

R.T.: 14.879 min
Delta R.T.: 0.021 min
Response: 6127977
Conc: 47.70 ug/ml



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

R.T.: 16.386 min
Delta R.T.: 0.020 min
Response: 5499880
Conc: 44.15 ug/ml



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

R.T.: 16.422 min
Delta R.T.: 0.025 min
Response: 5333266
Conc: 45.40 ug/ml

Instrument :

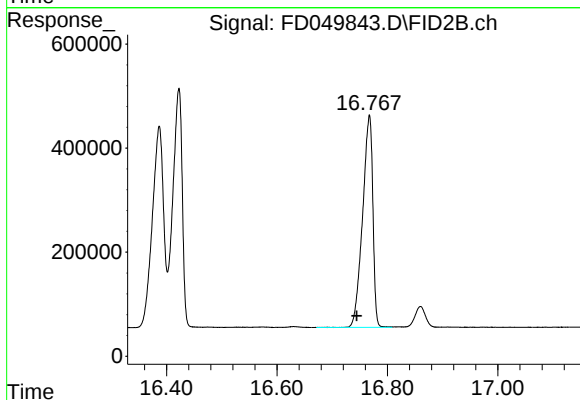
FID_D

ClientSampleId :

PB170099BS

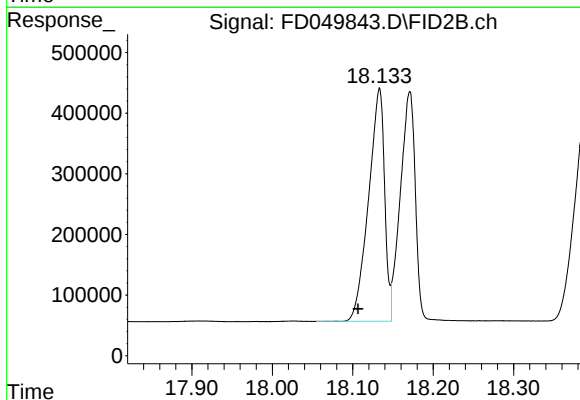
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



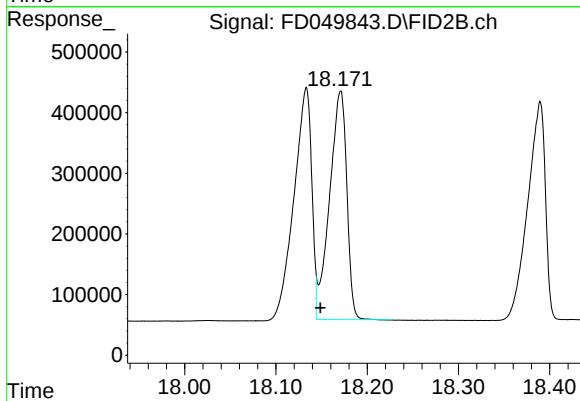
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.767 min
Delta R.T.: 0.022 min
Response: 5249564
Conc: 43.26 ug/ml



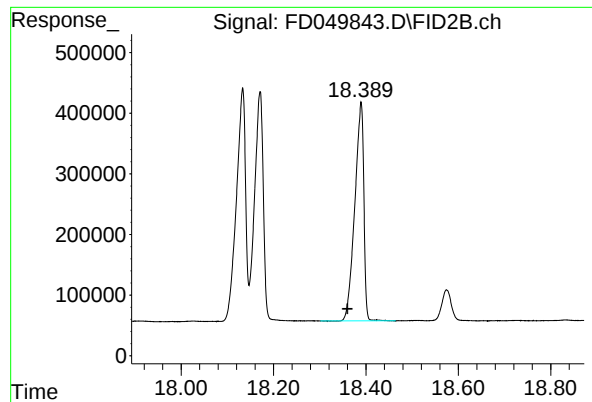
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.133 min
Delta R.T.: 0.026 min
Response: 5331116
Conc: 47.41 ug/ml



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

R.T.: 18.171 min
Delta R.T.: 0.022 min
Response: 4957710
Conc: 40.55 ug/ml m



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

R.T.: 18.389 min
Delta R.T.: 0.029 min
Response: 4876129
Conc: 40.77 ug/ml

Instrument :

FID_D

ClientSampleId :

PB170099BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2025

Supervised By :mohammad ahmed 10/17/2025