

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049320.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 13:01
 Operator : YP/AJ
 Sample : PB167903BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB167903BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/09/2025

Supervised By :mohammad ahmed 05/12/2025

Integration File: autoint1.e

Quant Time: May 09 10:00:36 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M

Quant Title : GC Extractables

QLast Update : Thu May 01 13:29:48 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

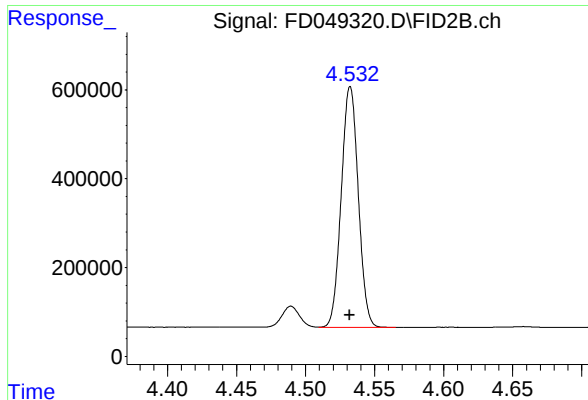
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.742	7300671	61.573 ug/ml
Spiked Amount 50.000		Recovery =	123.15%
6) S 2-Fluorobiphenyl (SURR)	8.608	5006396	63.394 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	126.79%
11) S ortho-Terphenyl (SURR)	11.652	7262675	52.620 ug/ml
Spiked Amount 50.000		Recovery =	105.24%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.532	4653200	37.268 ug/ml
2) T Naphthalene (C11.7)	6.076	5436927	41.125 ug/ml
3) T 2-Methylnaphthalene (...)	7.131	5271228	40.861 ug/ml
5) T Acenaphthylene (C15.06)	8.411	6432919	45.570 ug/ml
7) T Acenaphthene (C15.5)	8.708	6813172	49.726 ug/ml
8) T Fluorene (C16.55)	9.489	7029682	51.645 ug/ml
9) T Phenanthrene (C19.36)	10.888	7432716	55.130 ug/ml
10) T Anthracene (C19.43)	10.964	7069170	59.772 ug/ml
12) T Fluoranthene (C21.85)	12.703	7761429	57.592 ug/ml
13) T Pyrene (C20.8)	13.002	7831116	57.890 ug/ml
14) T Benzo[a]anthracene (C...	14.873	7009293	61.193 ug/ml
15) T Chrysene (C27.41)	14.919	7558306	64.760 ug/ml
16) T benzo[b]fluoranthene ...	16.426	7083541	58.355 ug/ml
17) T Bnezo[k]fluoranthene ...	16.462	6938447	58.177 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.807	6738028	58.600 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.173	7007004	63.849 ug/ml
20) T Dibenz[a,h]anthracene...	18.212	6302568	59.675 ug/ml
21) T Benzo[g,h,i]perylene ...	18.432	6691597	56.152 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



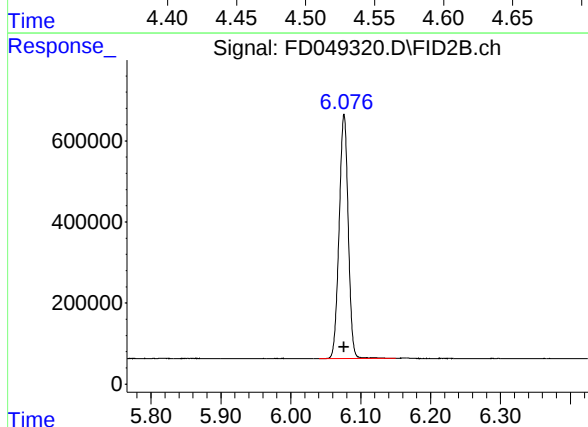
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.532 min
Delta R.T.: 0.000 min
Response: 4653200
Conc: 37.27 ug/ml

Instrument :
FID_D
ClientSampleId :
PB167903BS

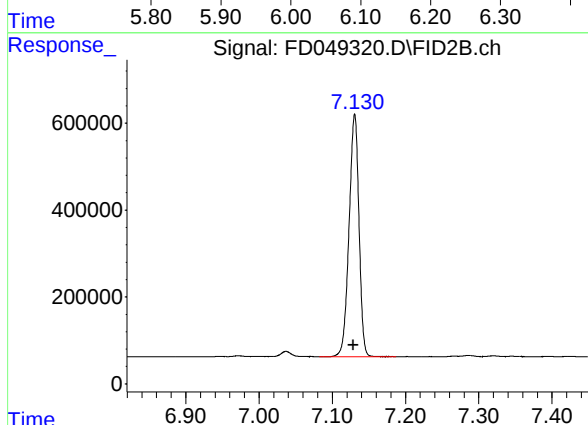
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/09/2025
Supervised By :mohammad ahmed 05/12/2025



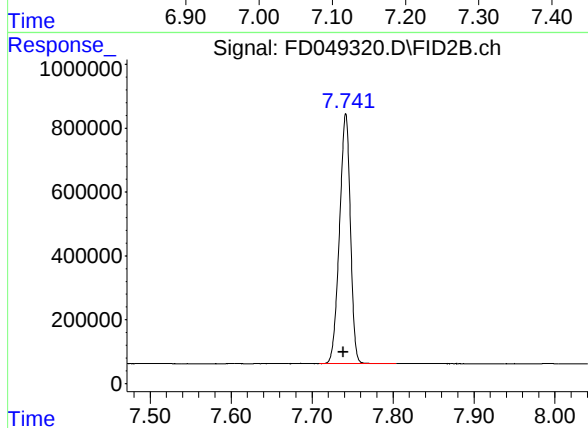
#2 Naphthalene (C11.7)

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 5436927
Conc: 41.12 ug/ml



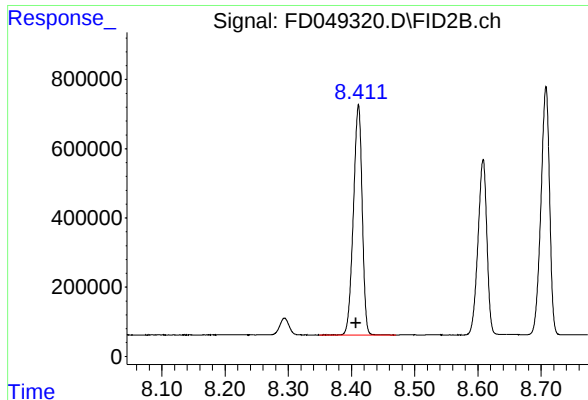
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.131 min
Delta R.T.: 0.002 min
Response: 5271228
Conc: 40.86 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.742 min
Delta R.T.: 0.003 min
Response: 7300671
Conc: 61.57 ug/ml



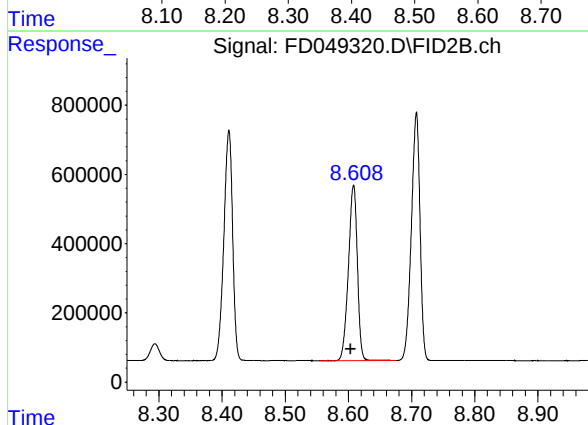
#5 Acenaphthylene (C15.06)

R.T.: 8.411 min
Delta R.T.: 0.004 min
Response: 6432919
Conc: 45.57 ug/ml

Instrument :
FID_D
ClientSampleId :
PB167903BS

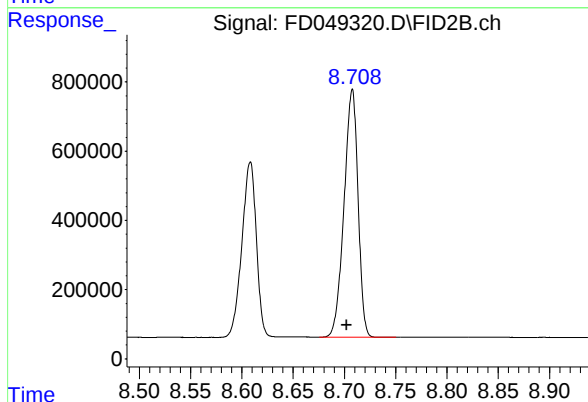
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/09/2025
Supervised By :mohammad ahmed 05/12/2025



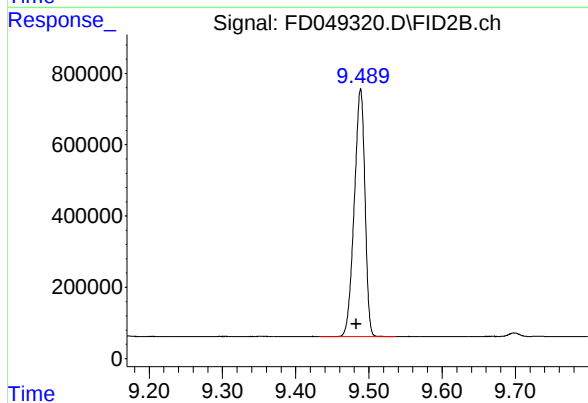
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.608 min
Delta R.T.: 0.005 min
Response: 5006396
Conc: 63.39 ug/ml



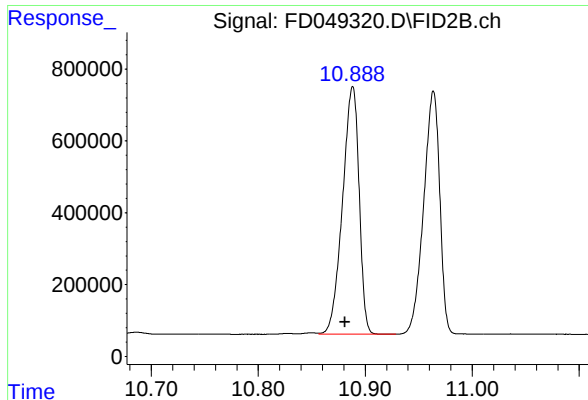
#7 Acenaphthene (C15.5)

R.T.: 8.708 min
Delta R.T.: 0.006 min
Response: 6813172
Conc: 49.73 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.489 min
Delta R.T.: 0.006 min
Response: 7029682
Conc: 51.65 ug/ml



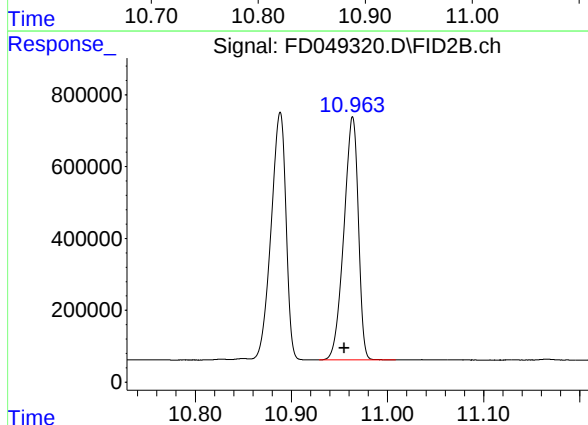
#9 Phenanthrene (C19.36)

R.T.: 10.888 min
Delta R.T.: 0.007 min
Response: 7432716
Conc: 55.13 ug/ml

Instrument :
FID_D
ClientSampleId :
PB167903BS

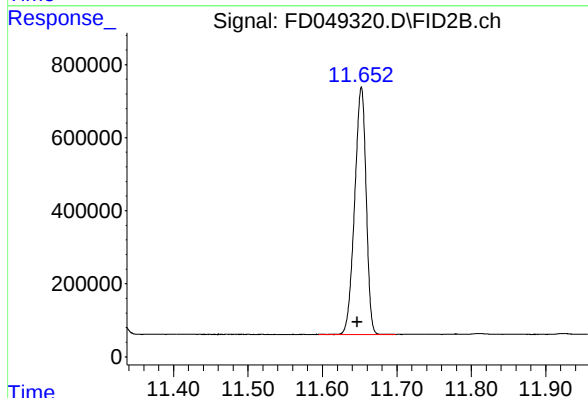
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/09/2025
Supervised By :mohammad ahmed 05/12/2025



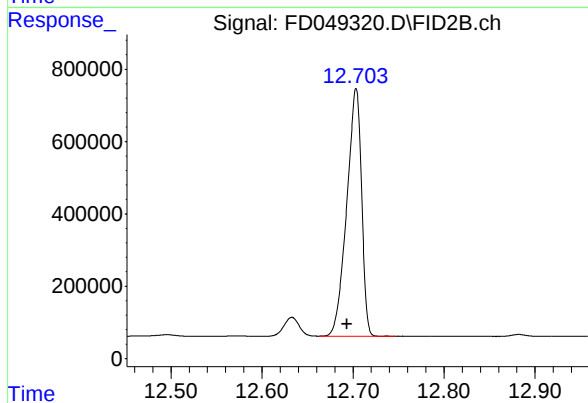
#10 Anthracene (C19.43)

R.T.: 10.964 min
Delta R.T.: 0.009 min
Response: 7069170
Conc: 59.77 ug/ml



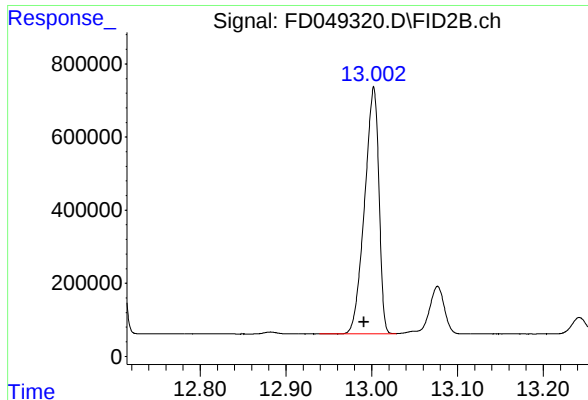
#11 ortho-Terphenyl (SURR)

R.T.: 11.652 min
Delta R.T.: 0.005 min
Response: 7262675
Conc: 52.62 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.703 min
Delta R.T.: 0.010 min
Response: 7761429
Conc: 57.59 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.002 min
Delta R.T.: 0.012 min
Response: 7831116
Conc: 57.89 ug/ml

Instrument :

FID_D

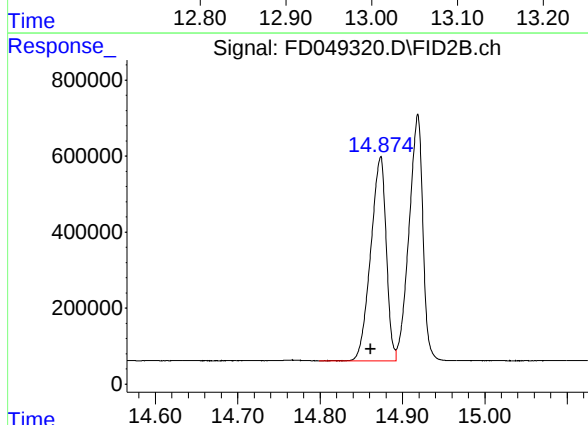
ClientSampleId :

PB167903BS

Manual Integrations

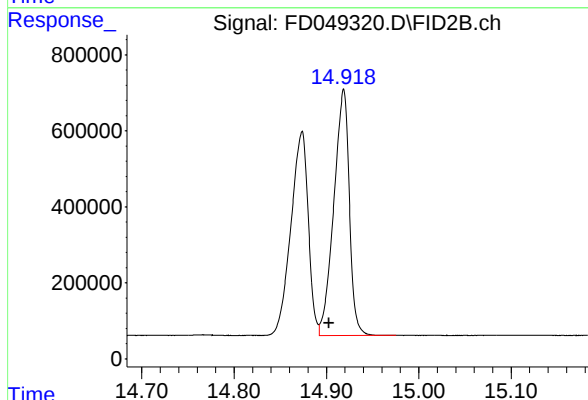
APPROVED

Reviewed By :Yogesh Patel 05/09/2025
Supervised By :mohammad ahmed 05/12/2025



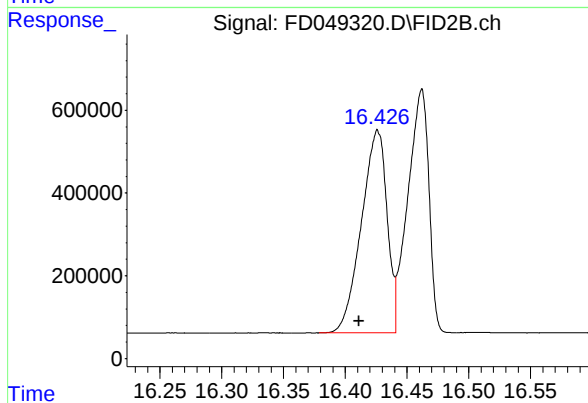
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.873 min
Delta R.T.: 0.012 min
Response: 7009293
Conc: 61.19 ug/ml



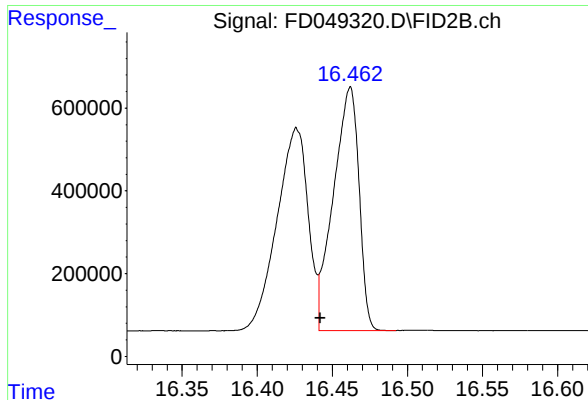
#15 Chrysene (C27.41)

R.T.: 14.919 min
Delta R.T.: 0.016 min
Response: 7558306
Conc: 64.76 ug/ml



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

R.T.: 16.426 min
Delta R.T.: 0.015 min
Response: 7083541
Conc: 58.36 ug/ml



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

R.T.: 16.462 min
Delta R.T.: 0.020 min
Response: 6938447
Conc: 58.18 ug/ml

Instrument :

FID_D

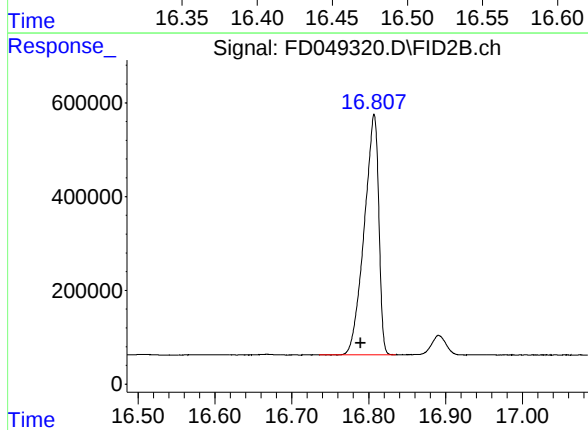
ClientSampleId :

PB167903BS

Manual Integrations

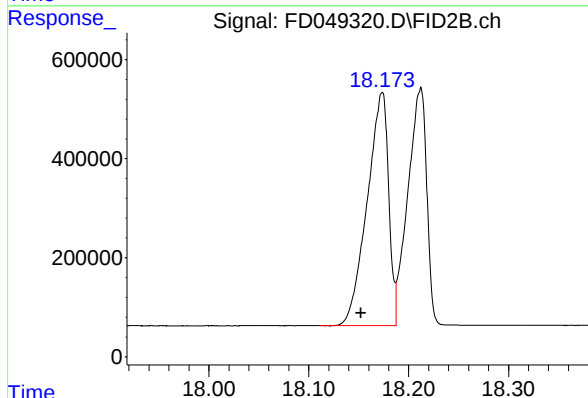
APPROVED

Reviewed By :Yogesh Patel 05/09/2025
Supervised By :mohammad ahmed 05/12/2025



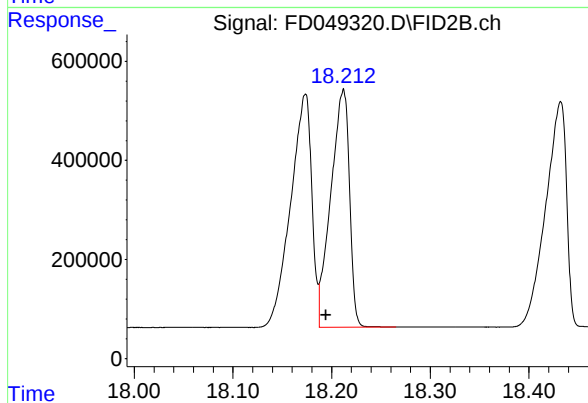
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.807 min
Delta R.T.: 0.017 min
Response: 6738028
Conc: 58.60 ug/ml



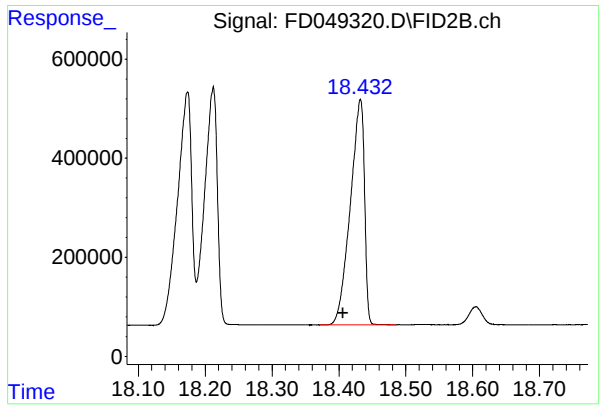
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.173 min
Delta R.T.: 0.021 min
Response: 7007004
Conc: 63.85 ug/ml



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

R.T.: 18.212 min
Delta R.T.: 0.017 min
Response: 6302568
Conc: 59.68 ug/ml



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

R.T.: 18.432 min
Delta R.T.: 0.026 min
Response: 6691597
Conc: 56.15 ug/ml

Instrument :

FID_D

ClientSampleId :

PB167903BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/09/2025

Supervised By :mohammad ahmed 05/12/2025