

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082825AR\
 Data File : FD049696.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 15:12
 Operator : YP/AJ
 Sample : Q2893-01
 Misc : 2.5PPM SOIL LOD
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2025
 Supervised By :mohammad ahmed 08/30/2025

Integration File: autoint1.e
 Quant Time: Aug 29 02:27:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 2025
 Response via : Initial Calibration
 Integrator: ChemStation

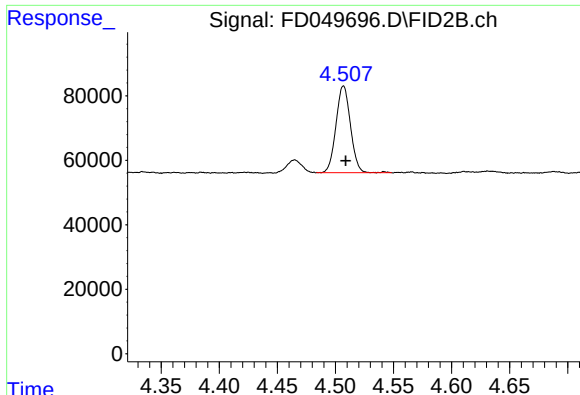
Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.714	5065099	49.422 ug/ml
Spiked Amount 50.000		Recovery =	98.84%
6) S 2-Fluorobiphenyl (SURR)	8.579	3589195	49.136 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	98.27%
11) S ortho-Terphenyl (SURR)	11.626	5923638	45.638 ug/ml
Spiked Amount 50.000		Recovery =	91.28%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.507	233349	2.305 ug/ml
2) T Naphthalene (C11.7)	6.049	279349	2.436 ug/ml
3) T 2-Methylnaphthalene (...)	7.102	272917	2.288 ug/ml
5) T Acenaphthylene (C15.06)	8.379	306539	2.438 ug/mlm
7) T Acenaphthene (C15.5)	8.675	309725	2.463 ug/ml
8) T Flouorene (C16.55)	9.456	328580	2.595 ug/ml
9) T Phenanthrene (C19.36)	10.854	326772	2.530 ug/ml
10) T Anthracene (C19.43)	10.928	320573	2.602 ug/ml
12) T Fluoranthene (C21.85)	12.667	323847	2.530 ug/ml
13) T Pyrene (C20.8)	12.964	323941	2.551 ug/ml
14) T Benzo[a]anthracene (C...	14.834	303585	2.631 ug/ml
15) T Chrysene (C27.41)	14.875	329480	2.814 ug/mlm
16) T benzo[b]fluoranthene ...	16.384	305164	2.683 ug/ml
17) T Bnezo[k]fluoranthene ...	16.416	304749	2.847 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.764	293180	2.643 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.126	289525	2.809 ug/ml
20) T Dibenz[a,h]anthracene...	18.167	269035	2.468 ug/ml
21) T Benzo[g,h,i]perylene ...	18.378	299174	2.738 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



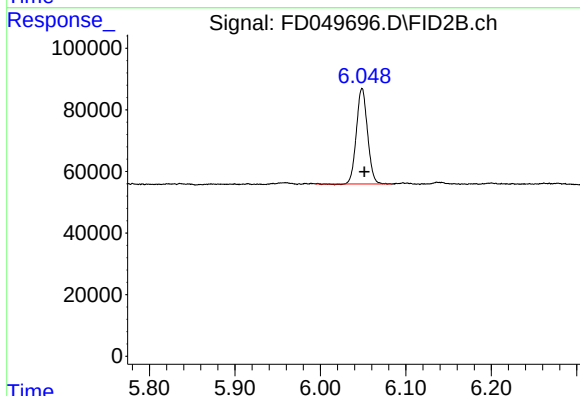
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.507 min
Delta R.T.: -0.002 min
Response: 233349
Conc: 2.31 ug/ml

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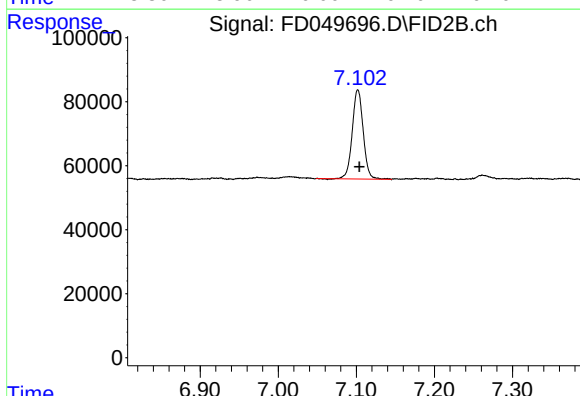
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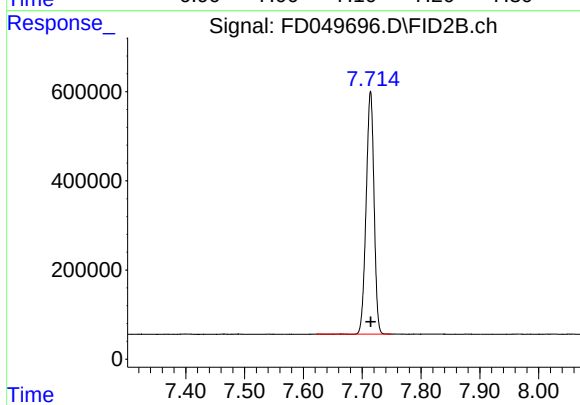
#2 Naphthalene (C11.7)

R.T.: 6.049 min
Delta R.T.: -0.003 min
Response: 279349
Conc: 2.44 ug/ml



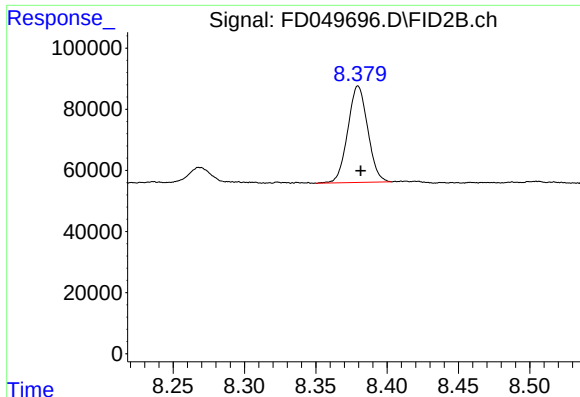
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.102 min
Delta R.T.: -0.002 min
Response: 272917
Conc: 2.29 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.714 min
Delta R.T.: 0.000 min
Response: 5065099
Conc: 49.42 ug/ml



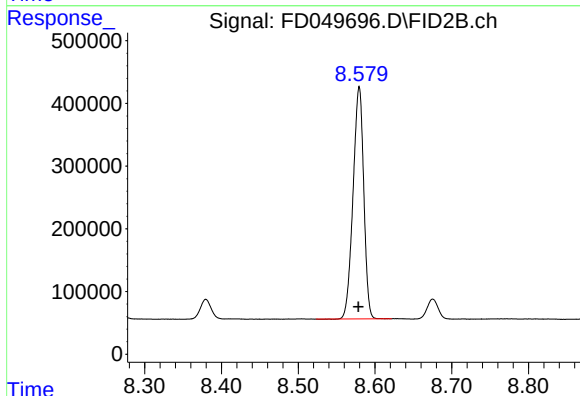
#5 Acenaphthylene (C15.06)

R.T.: 8.379 min
Delta R.T.: -0.002 min
Response: 306539
Conc: 2.44 ug/ml

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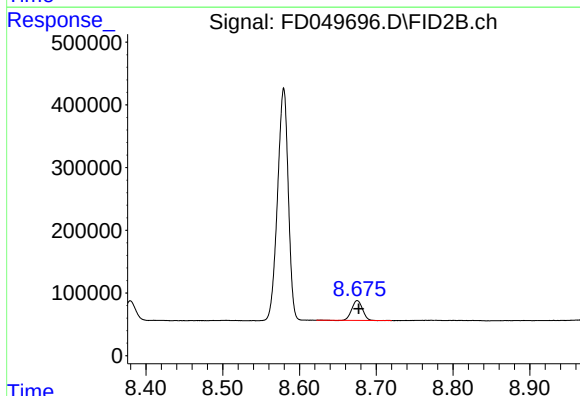
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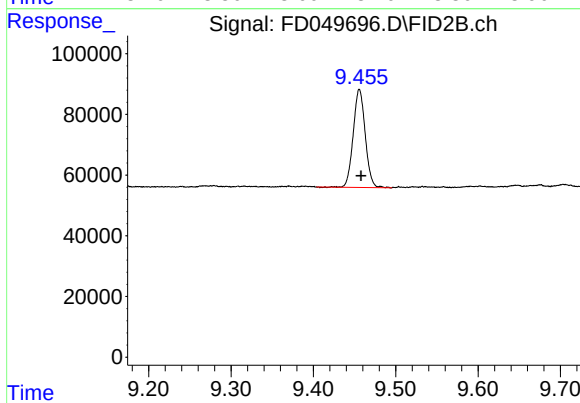
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.579 min
Delta R.T.: 0.001 min
Response: 3589195
Conc: 49.14 ug/ml



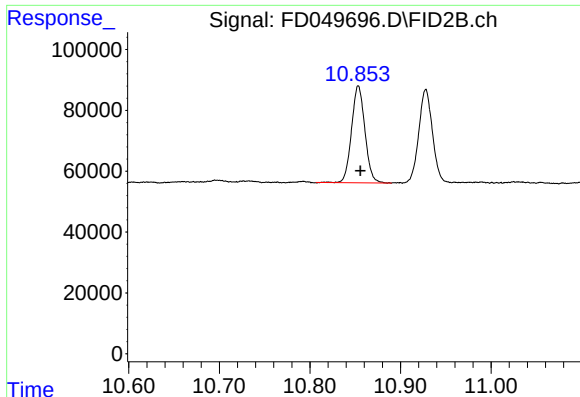
#7 Acenaphthene (C15.5)

R.T.: 8.675 min
Delta R.T.: -0.002 min
Response: 309725
Conc: 2.46 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.456 min
Delta R.T.: -0.002 min
Response: 328580
Conc: 2.60 ug/ml



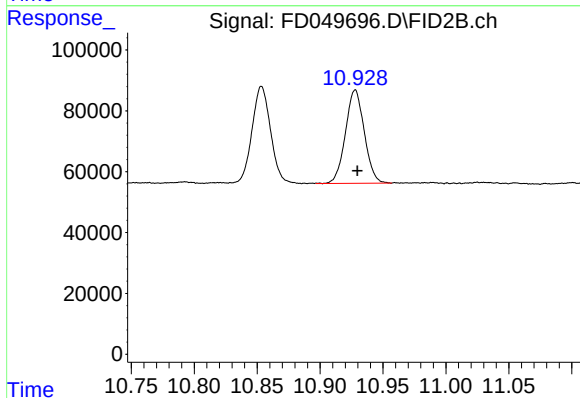
#9 Phenanthrene (C19.36)

R.T.: 10.854 min
Delta R.T.: -0.002 min
Response: 326772
Conc: 2.53 ug/ml

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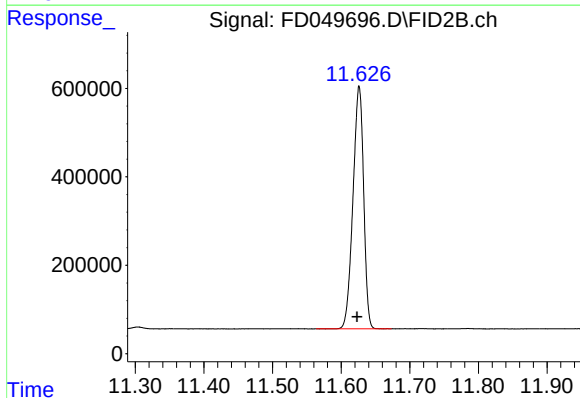
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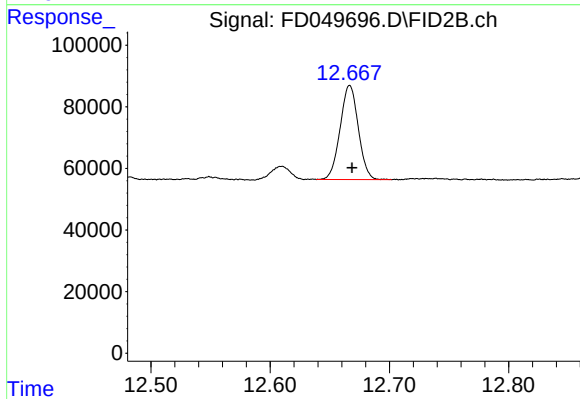
#10 Anthracene (C19.43)

R.T.: 10.928 min
Delta R.T.: -0.002 min
Response: 320573
Conc: 2.60 ug/ml



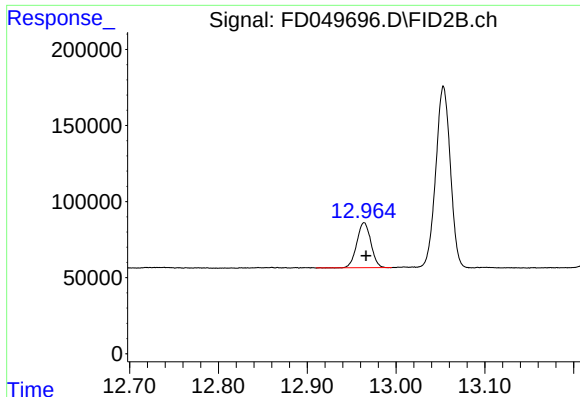
#11 ortho-Terphenyl (SURR)

R.T.: 11.626 min
Delta R.T.: 0.003 min
Response: 5923638
Conc: 45.64 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.667 min
Delta R.T.: -0.002 min
Response: 323847
Conc: 2.53 ug/ml



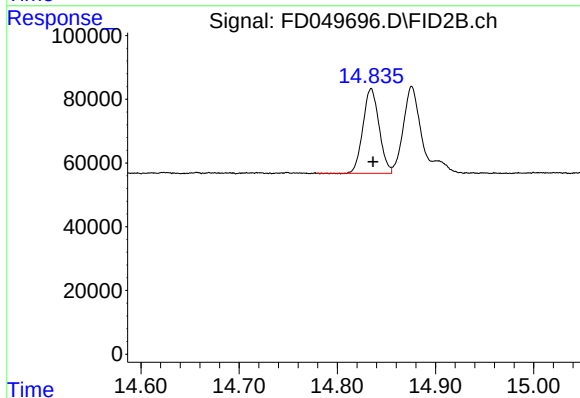
#13 Pyrene (C20.8)

R.T.: 12.964 min
Delta R.T.: -0.002 min
Response: 323941
Conc: 2.55 ug/ml

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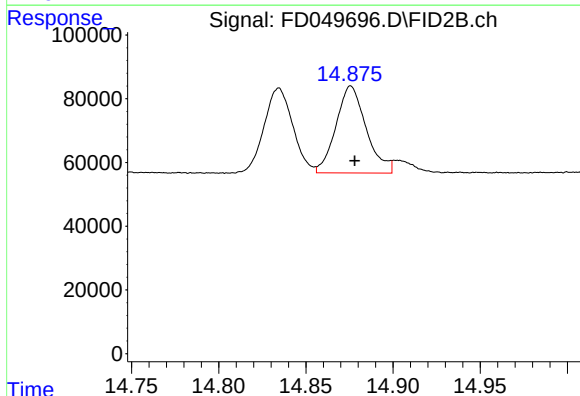
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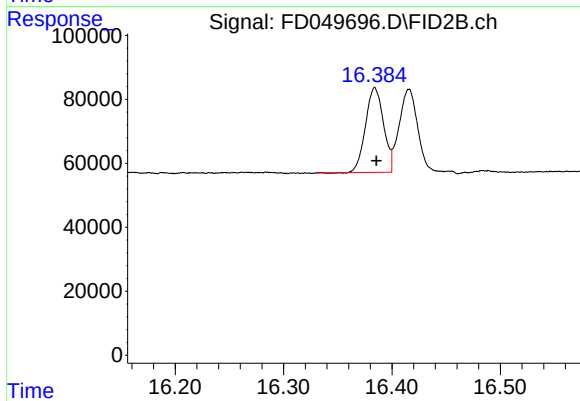
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.834 min
Delta R.T.: -0.002 min
Response: 303585
Conc: 2.63 ug/ml



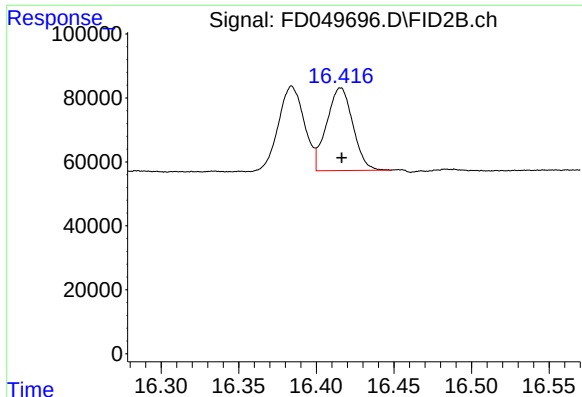
#15 Chrysene (C27.41)

R.T.: 14.875 min
Delta R.T.: -0.003 min
Response: 329480
Conc: 2.81 ug/ml m



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

R.T.: 16.384 min
Delta R.T.: -0.001 min
Response: 305164
Conc: 2.68 ug/ml



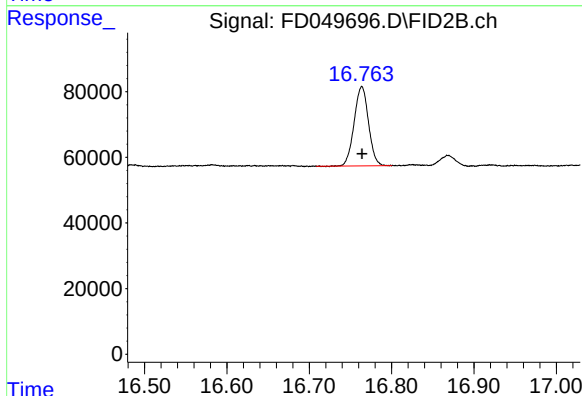
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.416 min
Delta R.T.: 0.000 min
Response: 304749
Conc: 2.85 ug/ml

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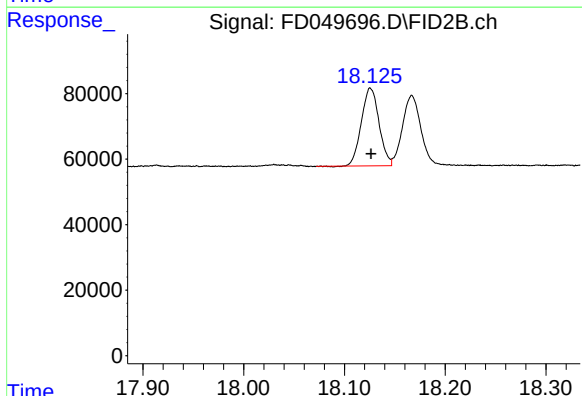
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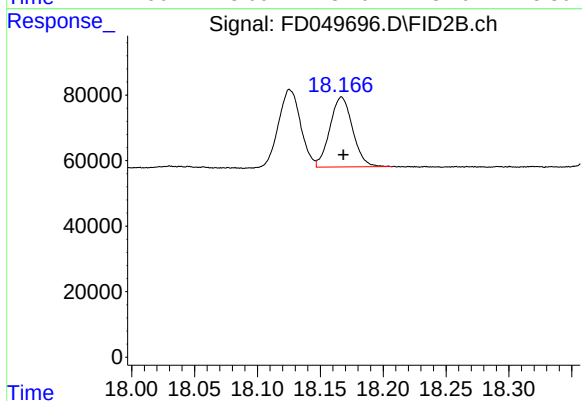
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.764 min
Delta R.T.: 0.000 min
Response: 293180
Conc: 2.64 ug/ml



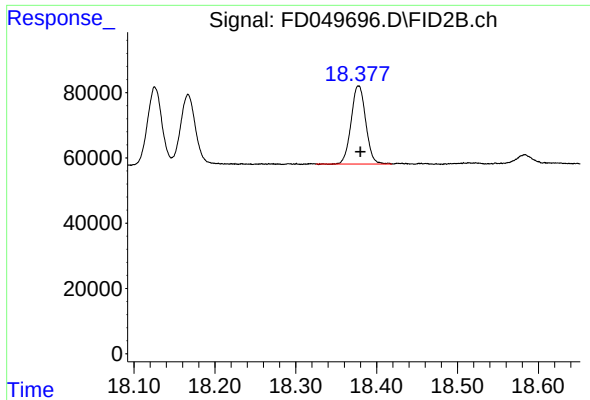
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.126 min
Delta R.T.: 0.000 min
Response: 289525
Conc: 2.81 ug/ml



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

R.T.: 18.167 min
Delta R.T.: -0.002 min
Response: 269035
Conc: 2.47 ug/ml



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

R.T.: 18.378 min
Delta R.T.: -0.002 min
Response: 299174
Conc: 2.74 ug/ml

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