

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD062525AR\
 Data File : FD049520.D
 Signal(s) : FID2B.ch
 Acq On : 25 Jun 2025 14:59
 Operator : YP/AJ
 Sample : Q2392-01MSD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 S-1MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2025
 Supervised By :mohammad ahmed 06/27/2025

Integration File: autoint1.e
 Quant Time: Jun 26 05:37:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 15:23:20 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...	7.735	7127886	55.903 ug/ml
Spiked Amount 50.000		Recovery =	111.81%
6) S 2-Fluorobiphenyl (SURR)	8.601	4804133	54.107 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	108.21%
11) S ortho-Terphenyl (SURR)	11.645	5057632	31.892 ug/ml
Spiked Amount 50.000		Recovery =	63.78%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.527	4114303	35.425 ug/ml
2) T Naphthalene (C11.7)	6.071	5056443	37.671 ug/ml
3) T 2-Methylnaphthalene (...)	7.124	5127294	36.290 ug/ml
5) T Acenaphthylene (C15.06)	8.404	6213446	39.744 ug/ml
7) T Acenaphthene (C15.5)	8.701	6290327	41.984 ug/ml
8) T Flouorene (C16.55)	9.482	6898835	44.845 ug/ml
9) T Phenanthrene (C19.36)	10.882	7580493	47.568 ug/ml
10) T Anthracene (C19.43)	10.957	7546332	48.065 ug/ml
12) T Fluoranthene (C21.85)	12.697	7950806	50.213 ug/ml
13) T Pyrene (C20.8)	12.996	8057103	50.927 ug/ml
14) T Benzo[a]anthracene (C...	14.868	7784737	52.749 ug/ml
15) T Chrysene (C27.41)	14.914	8572901	57.515 ug/ml
16) T benzo[b]fluoranthene ...	16.419	7390653	52.598 ug/ml
17) T Bnezo[k]fluoranthene ...	16.456	7292085	54.903 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.801	7086314	51.833 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.169	7301121	59.634 ug/mlm
20) T Dibenz[a,h]anthracene...	18.206	6675082	52.123 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.425	6513793	50.957 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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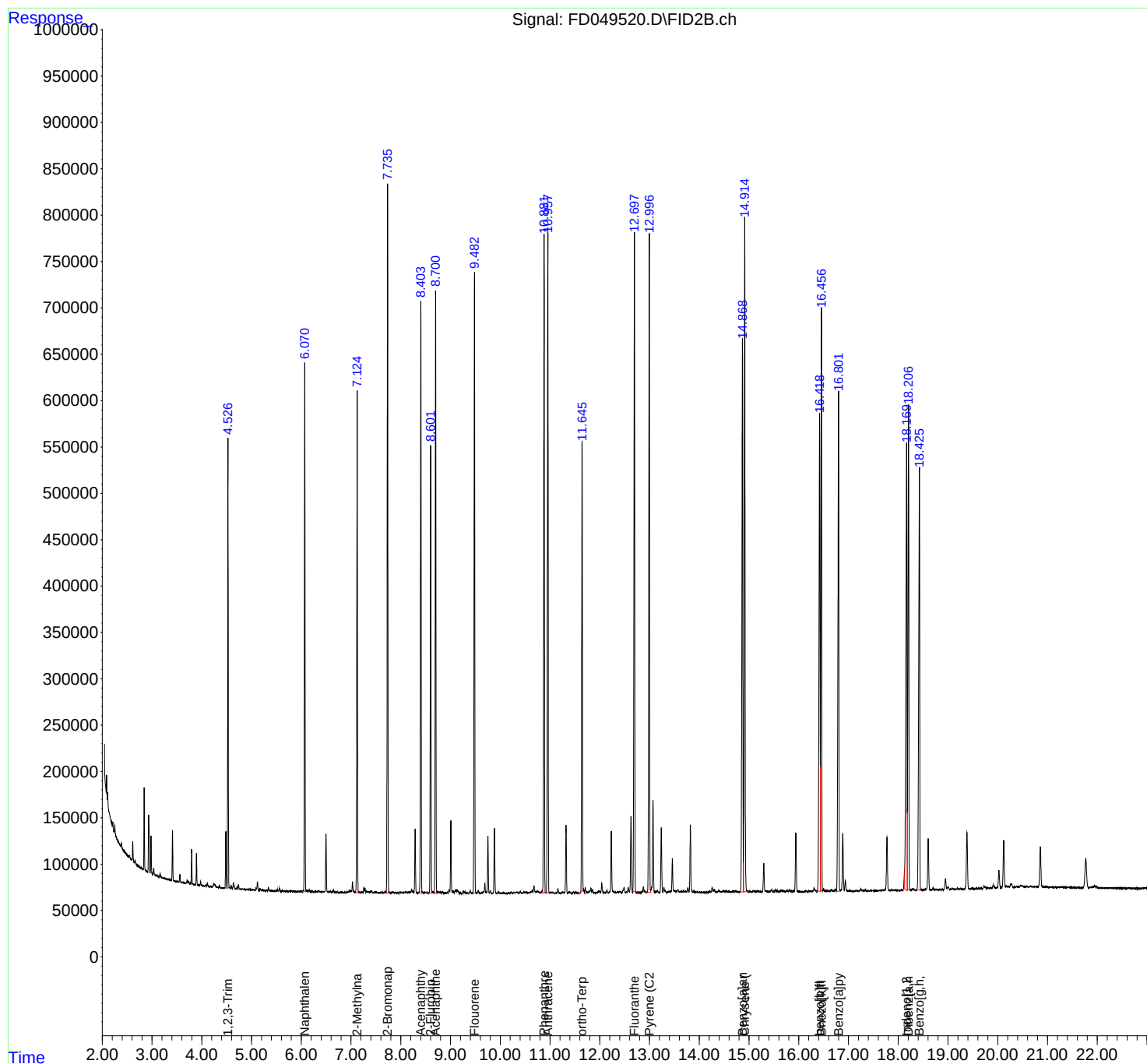
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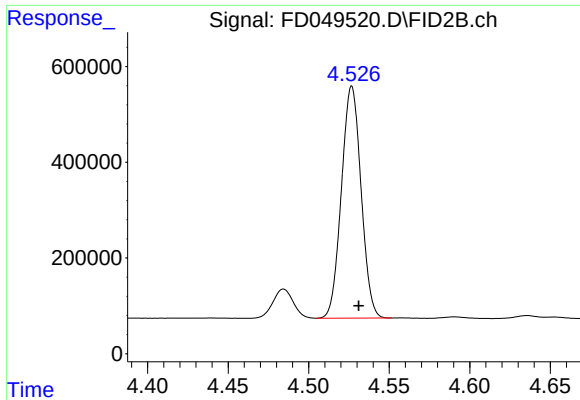
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.527 min
Delta R.T.: -0.004 min
Response: 4114303
Conc: 35.42 ug/ml

Instrument :

FID_D

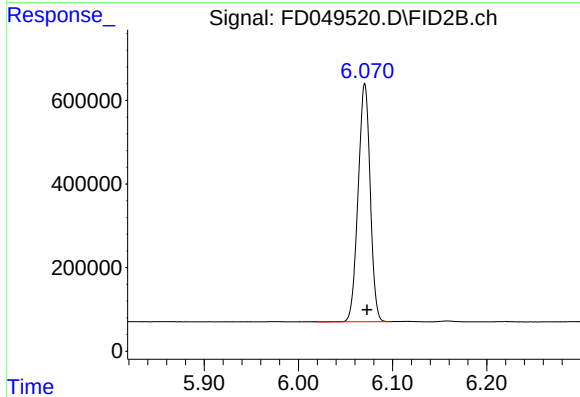
ClientSampleId :

S-1MSD

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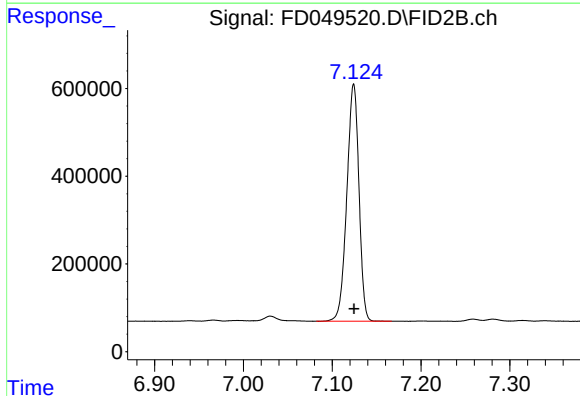
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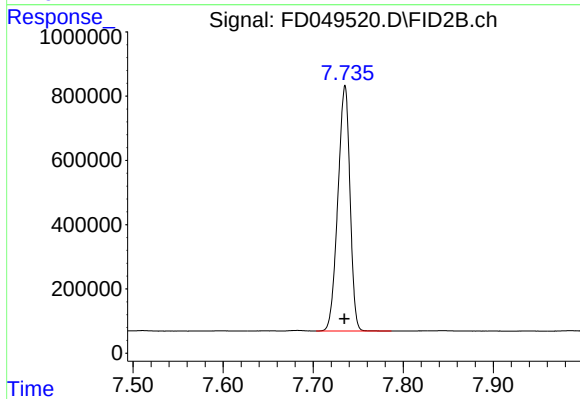
#2 Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 5056443
Conc: 37.67 ug/ml



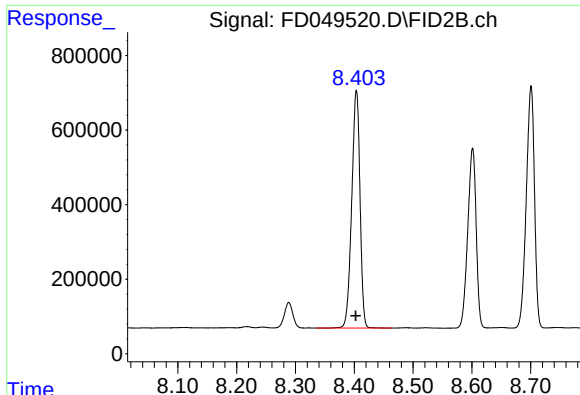
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 5127294
Conc: 36.29 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 7127886
Conc: 55.90 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.404 min
Delta R.T.: 0.000 min
Response: 6213446
Conc: 39.74 ug/ml

Instrument :

FID_D

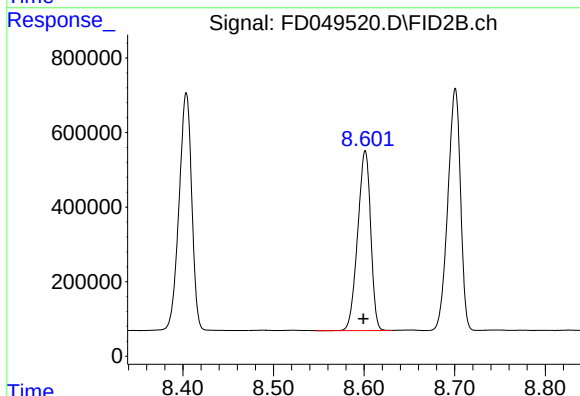
ClientSampleId :

S-1MSD

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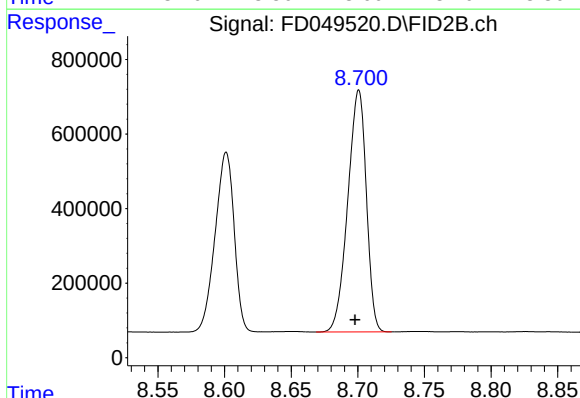
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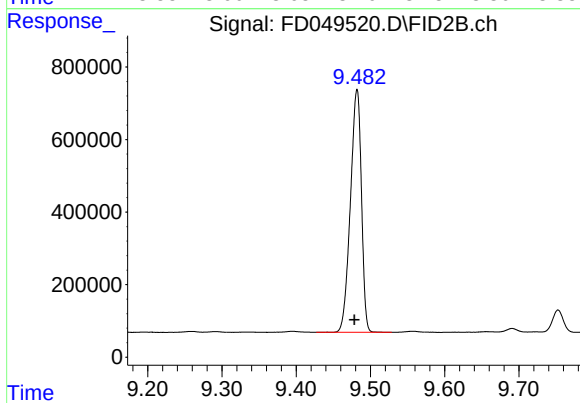
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.601 min
Delta R.T.: 0.002 min
Response: 4804133
Conc: 54.11 ug/ml



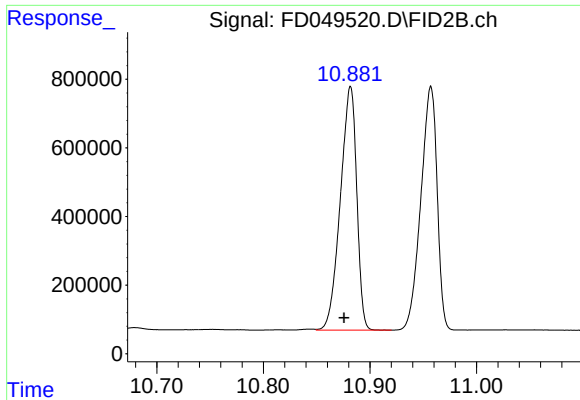
#7 Acenaphthene (C15.5)

R.T.: 8.701 min
Delta R.T.: 0.003 min
Response: 6290327
Conc: 41.98 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.482 min
Delta R.T.: 0.004 min
Response: 6898835
Conc: 44.85 ug/ml



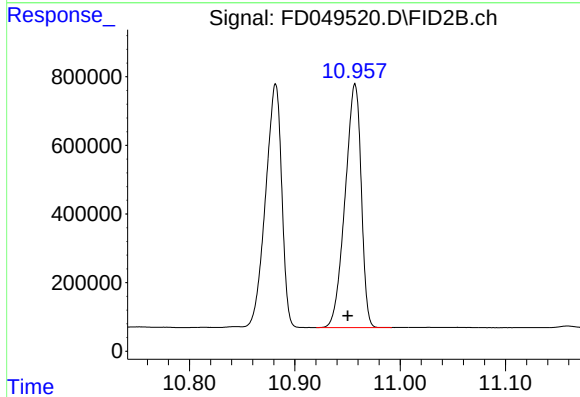
#9 Phenanthrene (C19.36)

R.T.: 10.882 min
Delta R.T.: 0.006 min
Response: 7580493
Conc: 47.57 ug/ml

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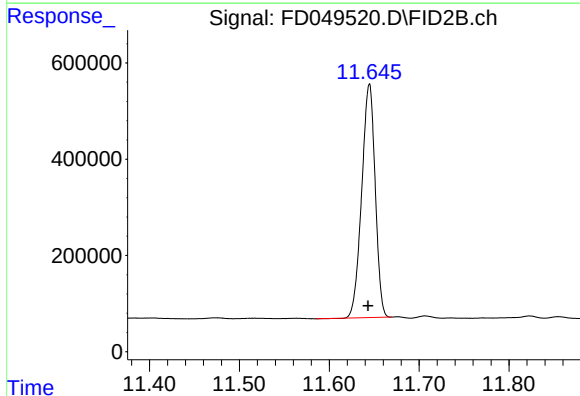
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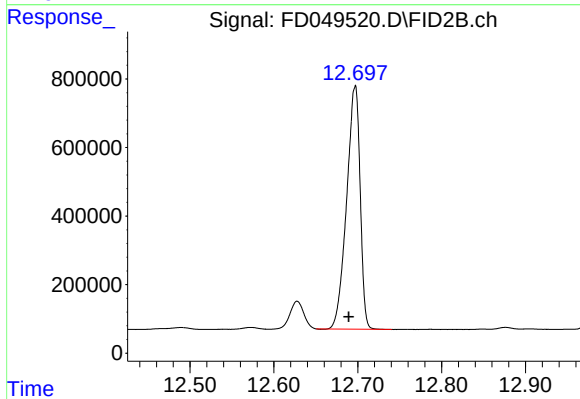
#10 Anthracene (C19.43)

R.T.: 10.957 min
Delta R.T.: 0.007 min
Response: 7546332
Conc: 48.06 ug/ml



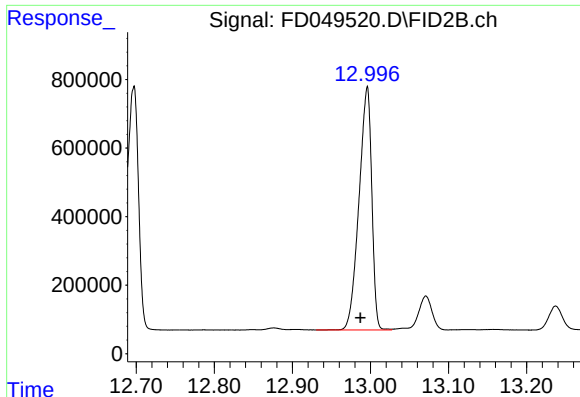
#11 ortho-Terphenyl (SURR)

R.T.: 11.645 min
Delta R.T.: 0.001 min
Response: 5057632
Conc: 31.89 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.697 min
Delta R.T.: 0.008 min
Response: 7950806
Conc: 50.21 ug/ml



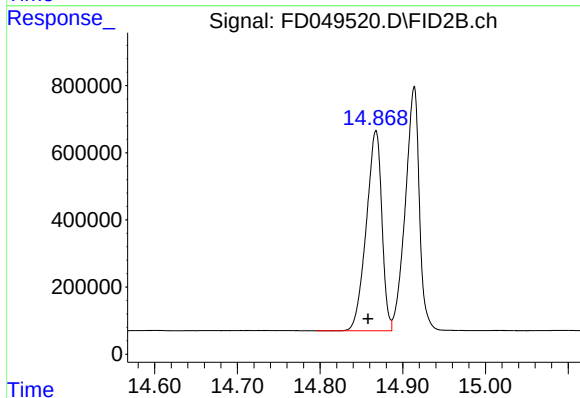
#13 Pyrene (C20.8)

R.T.: 12.996 min
Delta R.T.: 0.009 min
Response: 8057103
Conc: 50.93 ug/ml

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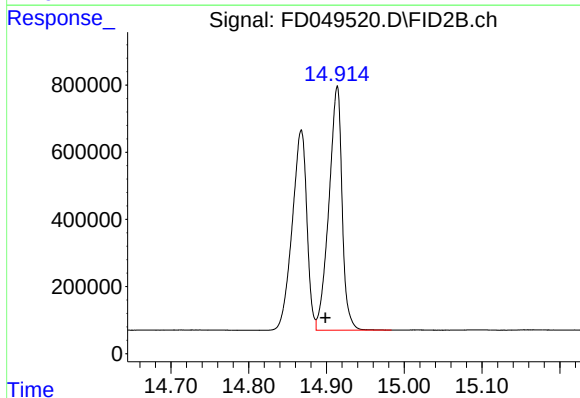
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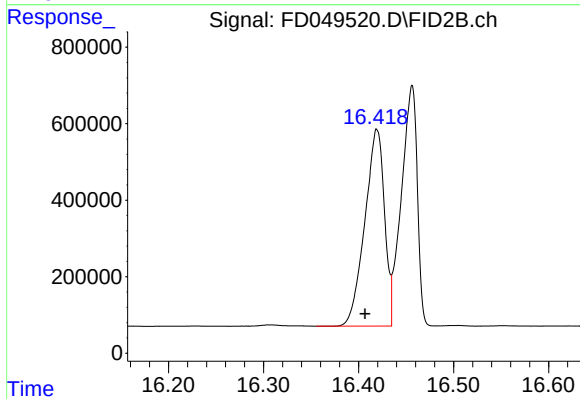
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.868 min
Delta R.T.: 0.010 min
Response: 7784737
Conc: 52.75 ug/ml



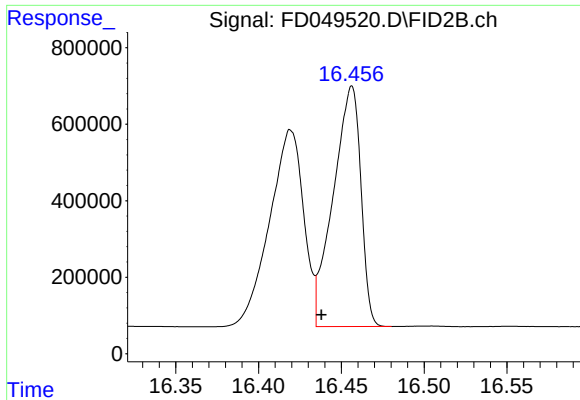
#15 Chrysene (C27.41)

R.T.: 14.914 min
Delta R.T.: 0.015 min
Response: 8572901
Conc: 57.51 ug/ml



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

R.T.: 16.419 min
Delta R.T.: 0.013 min
Response: 7390653
Conc: 52.60 ug/ml



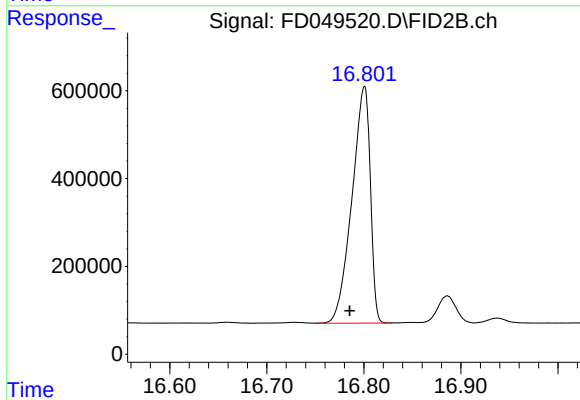
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.456 min
Delta R.T.: 0.018 min
Response: 7292085
Conc: 54.90 ug/ml

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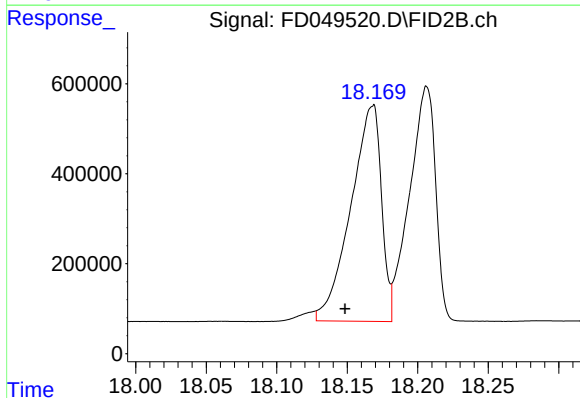
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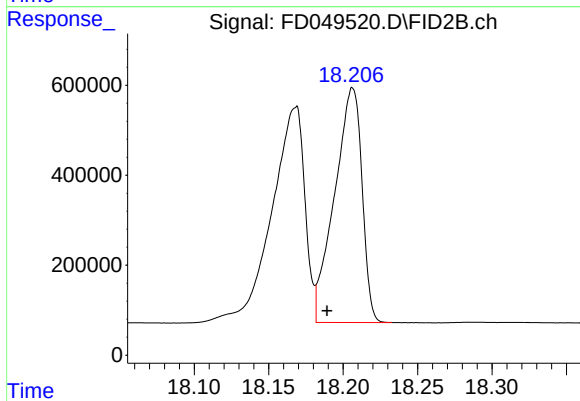
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.801 min
Delta R.T.: 0.015 min
Response: 7086314
Conc: 51.83 ug/ml



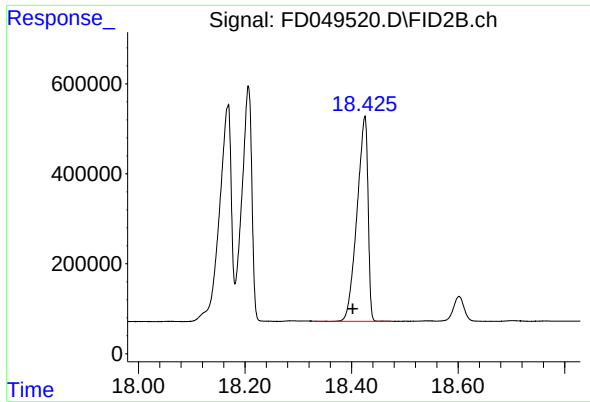
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.169 min
Delta R.T.: 0.020 min
Response: 7301121
Conc: 59.63 ug/ml m



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

R.T.: 18.206 min
Delta R.T.: 0.016 min
Response: 6675082
Conc: 52.12 ug/ml m



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

R.T.: 18.425 min
Delta R.T.: 0.023 min
Response: 6513793
Conc: 50.96 ug/ml

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