

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080825AR\
 Data File : FD049592.D
 Signal(s) : FID2B.ch
 Acq On : 08 Aug 2025 10:08
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/11/2025
 Supervised By :mohammad ahmed 08/12/2025

Integration File: sample.E
 Quant Time: Aug 11 04:45:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 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...	7.713	2484650	18.991 ug/ml
Spiked Amount 50.000		Recovery =	37.98%
6) S 2-Fluorobiphenyl (SURR)	8.578	1785555	19.269 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.54%
11) S ortho-Terphenyl (SURR)	11.623	3107927	18.955 ug/ml
Spiked Amount 50.000		Recovery =	37.91%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.505	2319254	17.952 ug/ml
2) T Naphthalene (C11.7)	6.049	2645904	18.078 ug/ml
3) T 2-Methylnaphthalene (...)	7.103	2708363	17.834 ug/ml
5) T Acenaphthylene (C15.06)	8.381	2967822	18.697 ug/ml
7) T Acenaphthene (C15.5)	8.678	2908399	18.369 ug/ml
8) T Flouorene (C16.55)	9.459	3052875	19.111 ug/ml
9) T Phenanthrene (C19.36)	10.857	3089505	18.861 ug/ml
10) T Anthracene (C19.43)	10.930	2312491	14.517 ug/ml
12) T Fluoranthene (C21.85)	12.670	3090750	19.015 ug/mlm
13) T Pyrene (C20.8)	12.968	3085436	19.012 ug/ml
14) T Benzo[a]anthracene (C...	14.839	2706697	18.482 ug/ml
15) T Chrysene (C27.41)	14.882	2772735	18.631 ug/ml
16) T benzo[b]fluoranthene ...	16.389	2644159	18.662 ug/ml
17) T Bnezo[k]fluoranthene ...	16.422	2612637	19.543 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.767	2406726	17.480 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.131	2303195	18.389 ug/mlm
20) T Dibenz[a,h]anthracene...	18.172	2506452	19.026 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.387	2422063	18.301 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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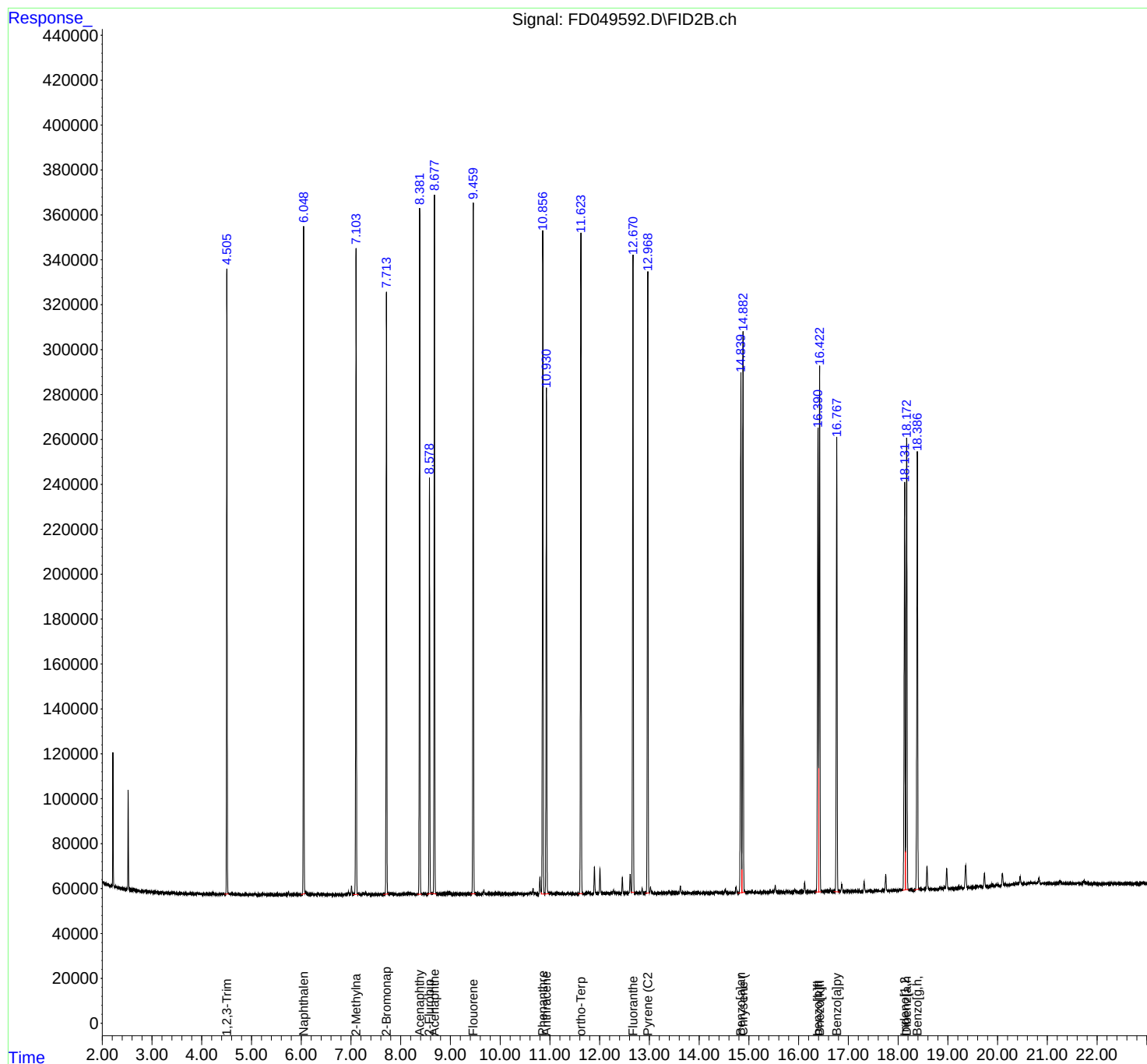
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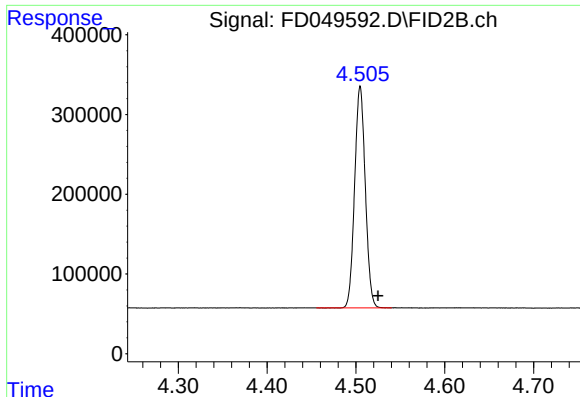
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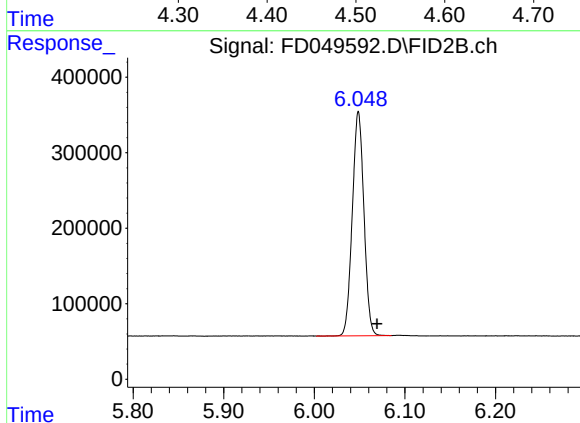
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.505 min
Delta R.T.: -0.020 min
Response: 2319254
Conc: 17.95 ug/ml

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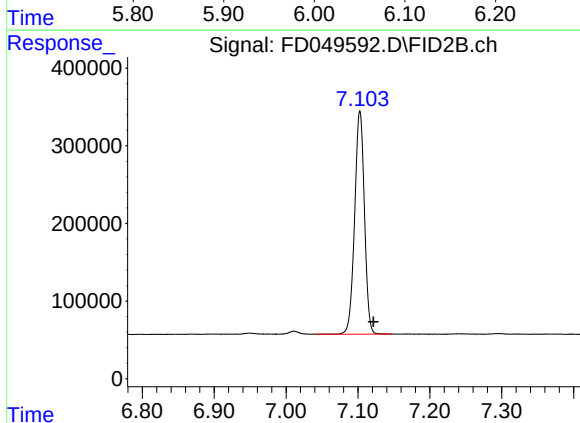
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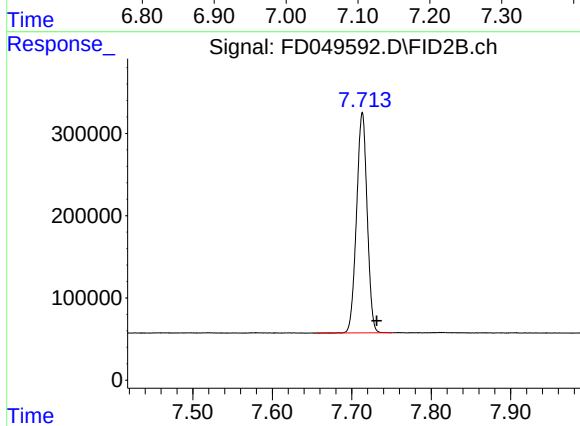
#2 Naphthalene (C11.7)

R.T.: 6.049 min
Delta R.T.: -0.021 min
Response: 2645904
Conc: 18.08 ug/ml



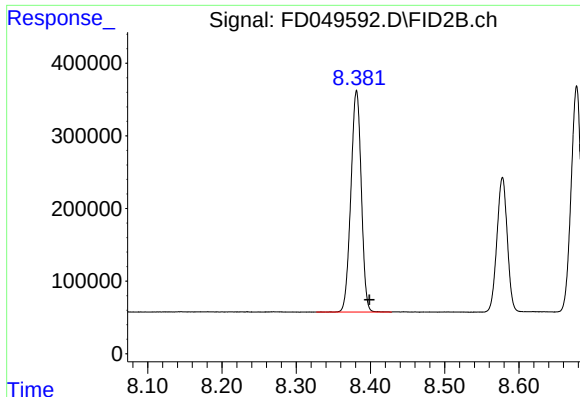
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.103 min
Delta R.T.: -0.019 min
Response: 2708363
Conc: 17.83 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.713 min
Delta R.T.: -0.018 min
Response: 2484650
Conc: 18.99 ug/ml



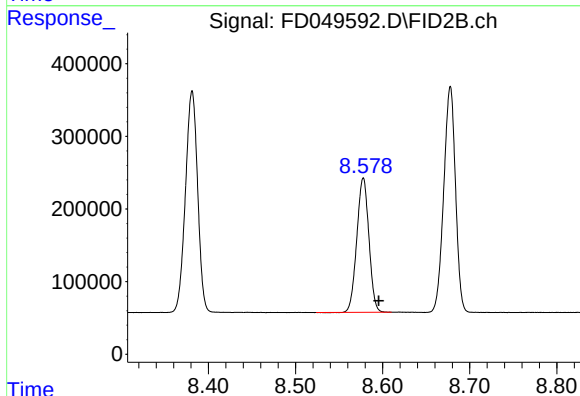
#5 Acenaphthylene (C15.06)

R.T.: 8.381 min
Delta R.T.: -0.017 min
Response: 2967822
Conc: 18.70 ug/ml

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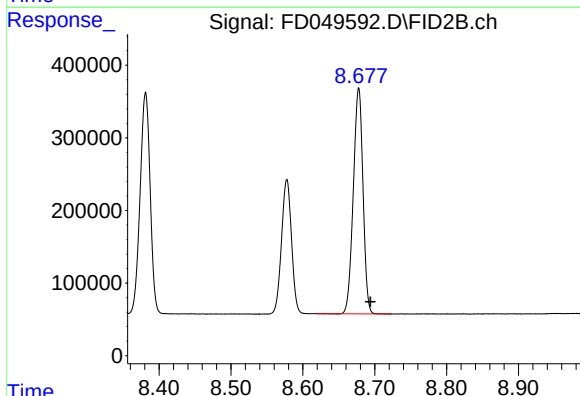
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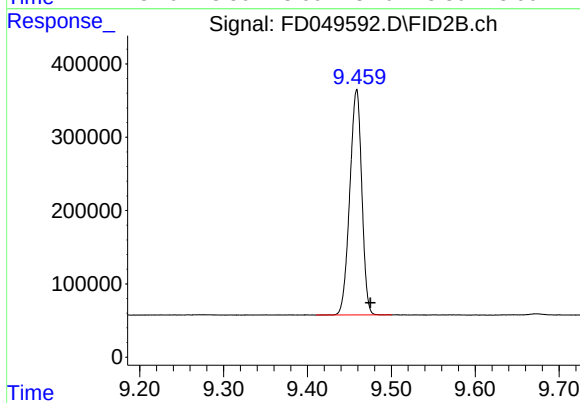
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.578 min
Delta R.T.: -0.018 min
Response: 1785555
Conc: 19.27 ug/ml



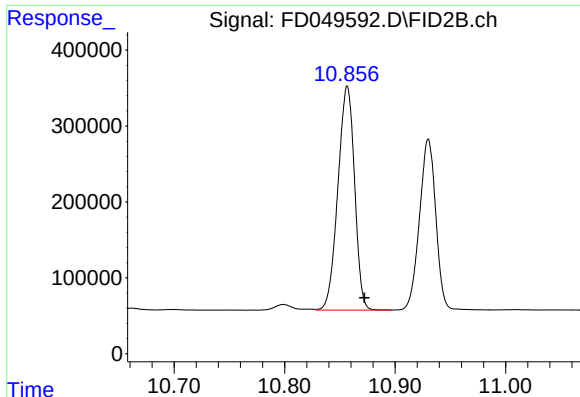
#7 Acenaphthene (C15.5)

R.T.: 8.678 min
Delta R.T.: -0.016 min
Response: 2908399
Conc: 18.37 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.459 min
Delta R.T.: -0.017 min
Response: 3052875
Conc: 19.11 ug/ml



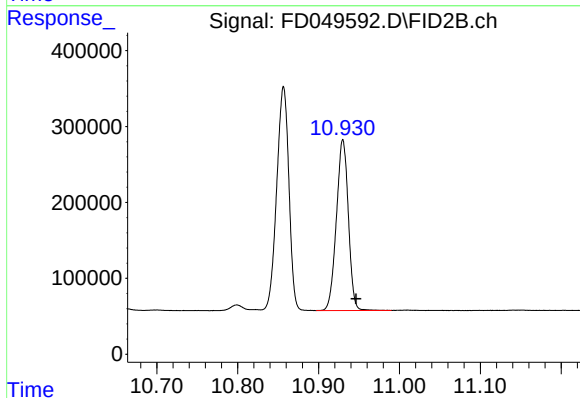
#9 Phenanthrene (C19.36)

R.T.: 10.857 min
Delta R.T.: -0.015 min
Response: 3089505
Conc: 18.86 ug/ml

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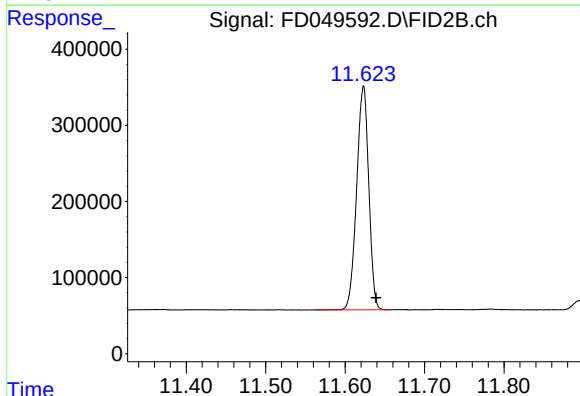
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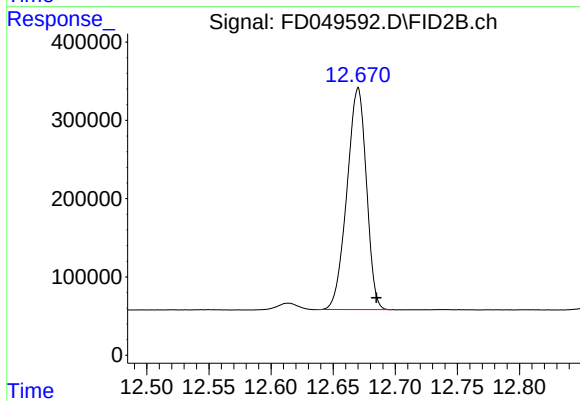
#10 Anthracene (C19.43)

R.T.: 10.930 min
Delta R.T.: -0.016 min
Response: 2312491
Conc: 14.52 ug/ml



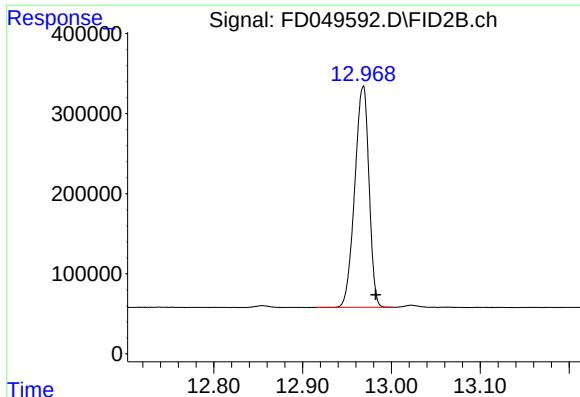
#11 ortho-Terphenyl (SURR)

R.T.: 11.623 min
Delta R.T.: -0.016 min
Response: 3107927
Conc: 18.95 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.670 min
Delta R.T.: -0.015 min
Response: 3090750
Conc: 19.01 ug/ml m



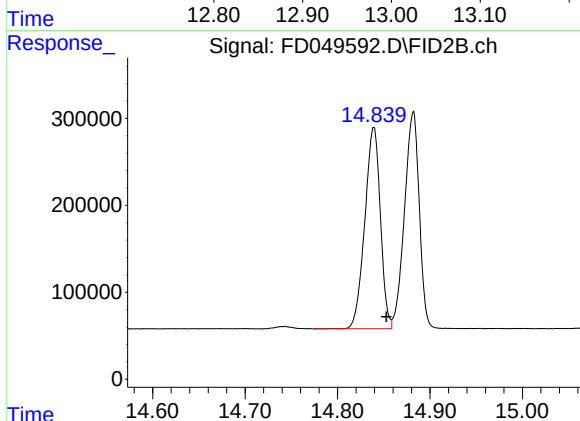
#13 Pyrene (C20.8)

R.T.: 12.968 min
Delta R.T.: -0.014 min
Response: 3085436
Conc: 19.01 ug/ml

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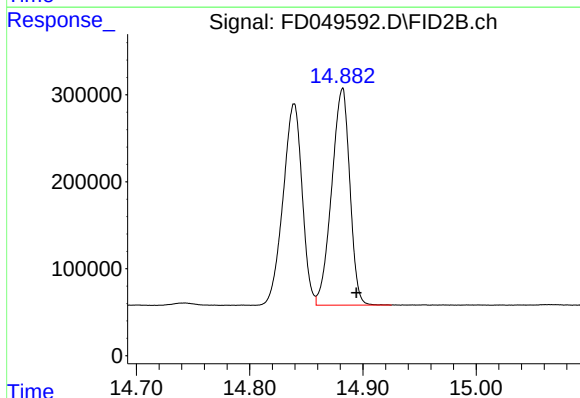
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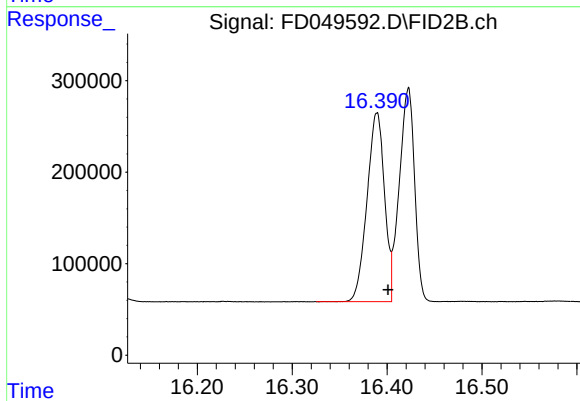
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.839 min
Delta R.T.: -0.014 min
Response: 2706697
Conc: 18.48 ug/ml



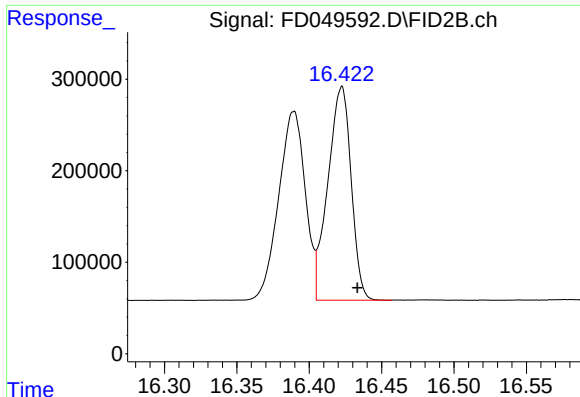
#15 Chrysene (C27.41)

R.T.: 14.882 min
Delta R.T.: -0.012 min
Response: 2772735
Conc: 18.63 ug/ml



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

R.T.: 16.389 min
Delta R.T.: -0.012 min
Response: 2644159
Conc: 18.66 ug/ml



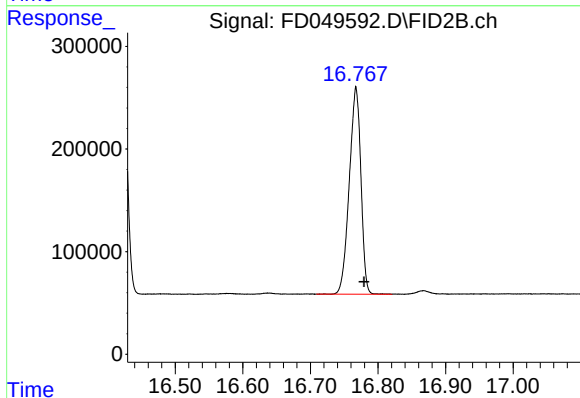
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.422 min
Delta R.T.: -0.011 min
Response: 2612637
Conc: 19.54 ug/ml

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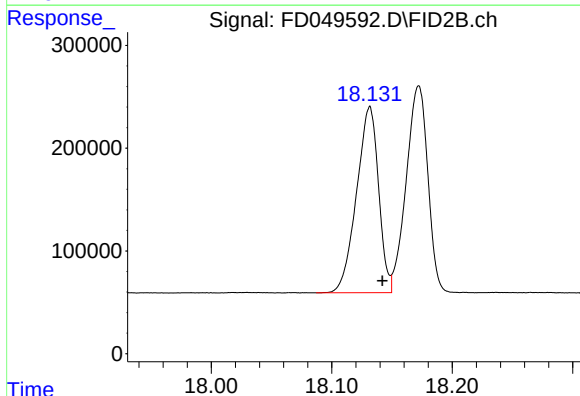
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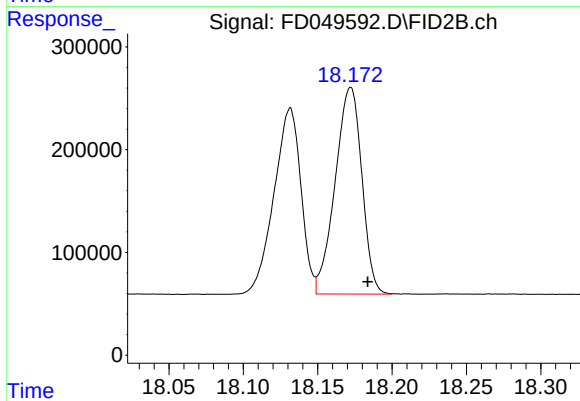
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.767 min
Delta R.T.: -0.012 min
Response: 2406726
Conc: 17.48 ug/ml



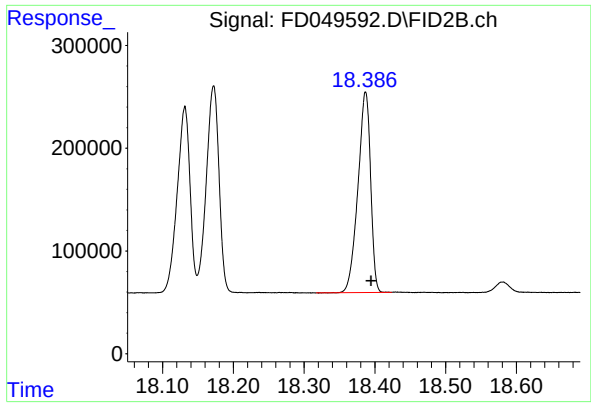
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.131 min
Delta R.T.: -0.011 min
Response: 2303195
Conc: 18.39 ug/ml m



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

R.T.: 18.172 min
Delta R.T.: -0.012 min
Response: 2506452
Conc: 19.03 ug/ml m



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

R.T.: 18.387 min
Delta R.T.: -0.008 min
Response: 2422063
Conc: 18.30 ug/ml

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