

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
 Data File : FD049437.D
 Signal(s) : FID2B.ch
 Acq On : 11 Jun 2025 20:05
 Operator : YP/AJ
 Sample : Q2126-02
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/12/2025
 Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e
 Quant Time: Jun 12 05:00:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 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...	7.733	5817123	34.994 ug/ml
Spiked Amount 50.000		Recovery =	69.99%
6) S 2-Fluorobiphenyl (SURR)	8.598	3959083	34.608 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	69.22%
11) S ortho-Terphenyl (SURR)	11.644	6345869	31.615 ug/ml
Spiked Amount 50.000		Recovery =	63.23%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.524	517968	3.256 ug/mlm
2) T Naphthalene (C11.7)	6.067	603145	3.435 ug/mlm
3) T 2-Methylnaphthalene (...)	7.120	588233	3.293 ug/mlm
5) T Acenaphthylene (C15.06)	8.399	670479	3.461 ug/mlm
7) T Acenaphthene (C15.5)	8.694	685908	3.606 ug/mlm
8) T Fluorene (C16.55)	9.475	667185	3.412 ug/ml
9) T Phenanthrene (C19.36)	10.873	684470	3.600 ug/ml
10) T Anthracene (C19.43)	10.947	654468	3.744 ug/ml
12) T Fluoranthene (C21.85)	12.686	691451	3.833 ug/ml
13) T Pyrene (C20.8)	12.984	690991	3.872 ug/ml
14) T Benzo[a]anthracene (C...	14.855	631756	4.157 ug/ml
15) T Chrysene (C27.41)	14.896	712153	4.690 ug/ml
16) T benzo[b]fluoranthene ...	16.404	648321	4.479 ug/ml
17) T Bnezo[k]fluoranthene ...	16.435	647796	4.514 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.782	620943	4.569 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.145	613786	4.805 ug/ml
20) T Dibenz[a,h]anthracene...	18.187	595050	4.420 ug/ml
21) T Benzo[g,h,i]perylene ...	18.400	616358	4.573 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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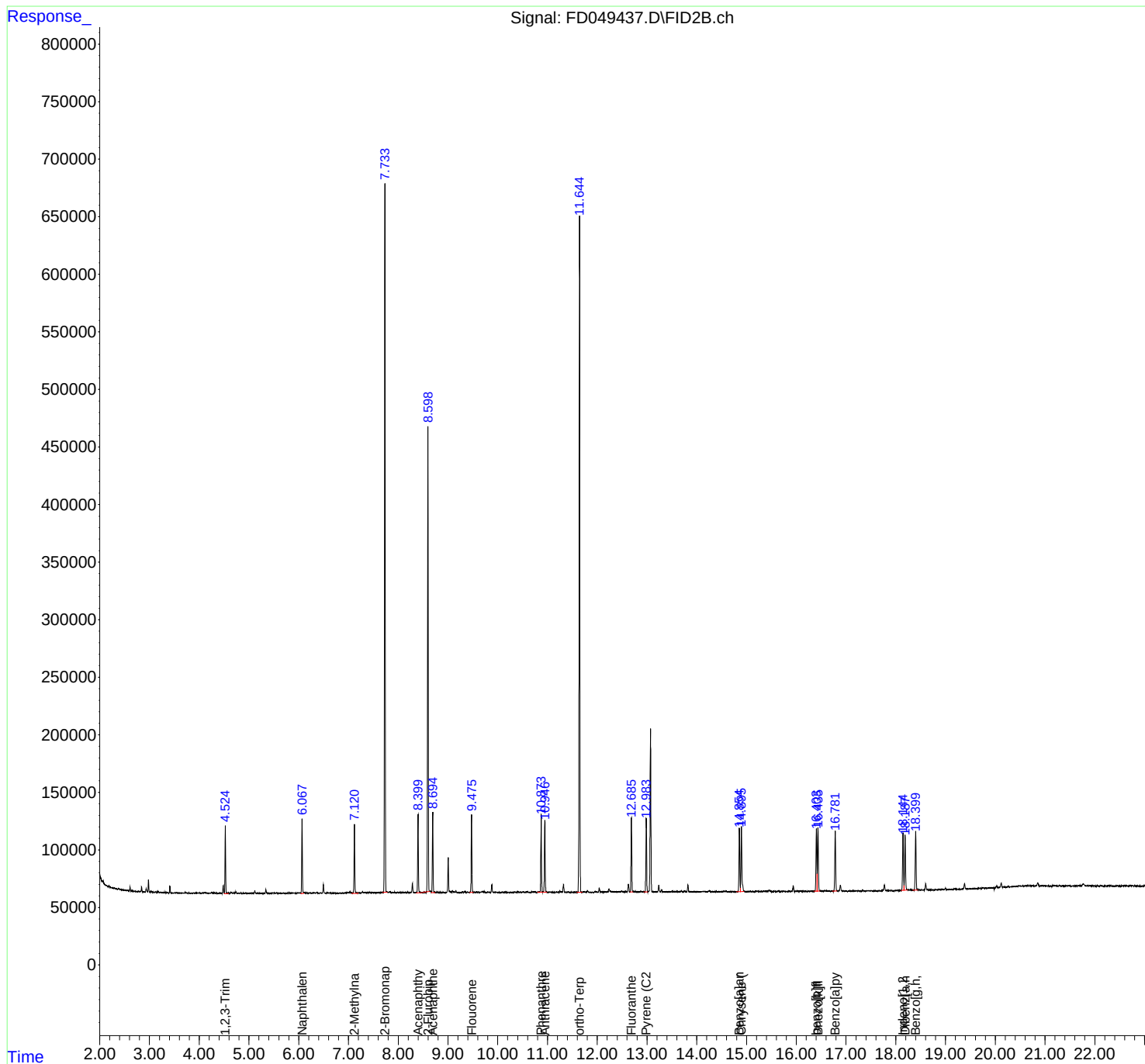
Instrument :
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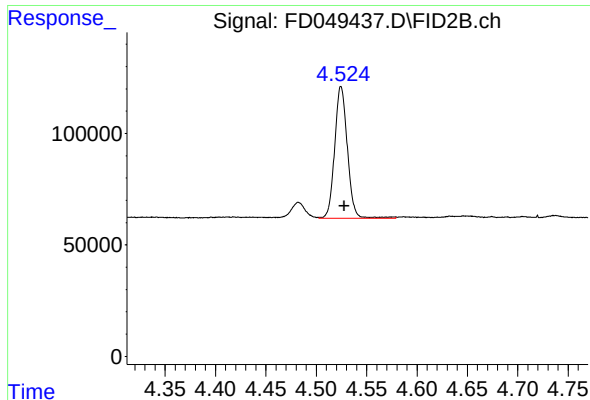
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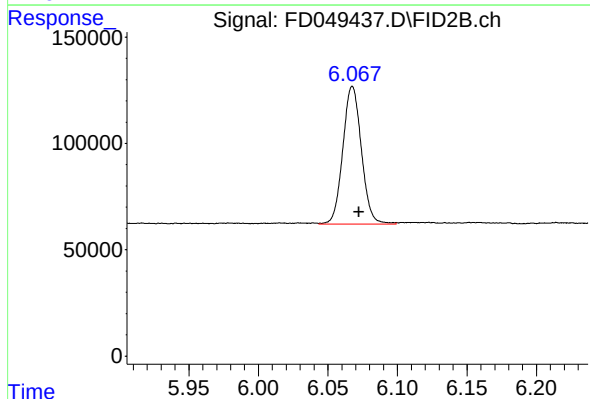
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.524 min
Delta R.T.: -0.004 min
Response: 517968
Conc: 3.26 ug/ml

Instrument :
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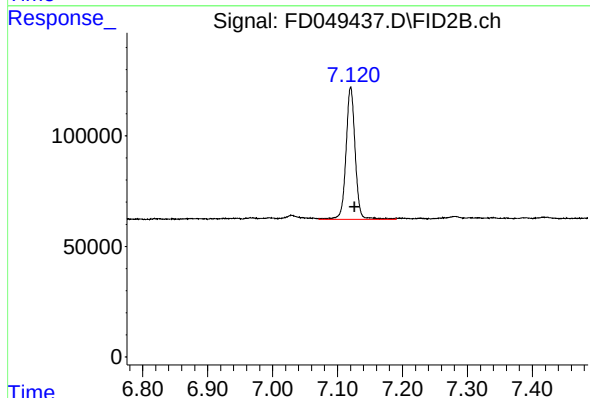
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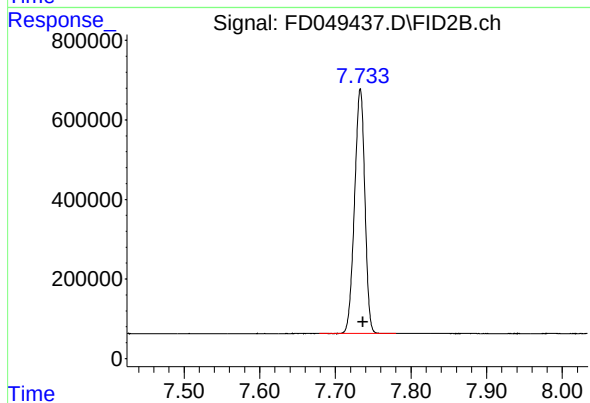
#2 Naphthalene (C11.7)

R.T.: 6.067 min
Delta R.T.: -0.005 min
Response: 603145
Conc: 3.44 ug/ml m



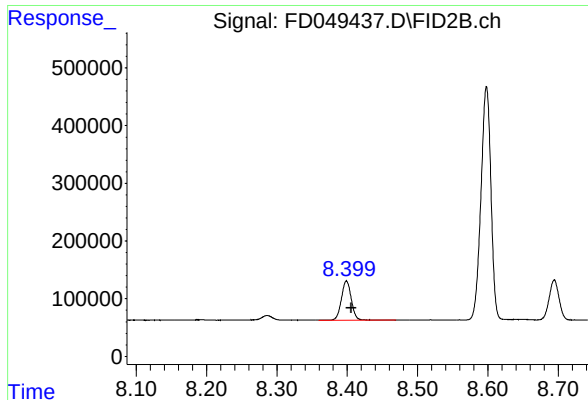
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.120 min
Delta R.T.: -0.006 min
Response: 588233
Conc: 3.29 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.733 min
Delta R.T.: -0.003 min
Response: 5817123
Conc: 34.99 ug/ml



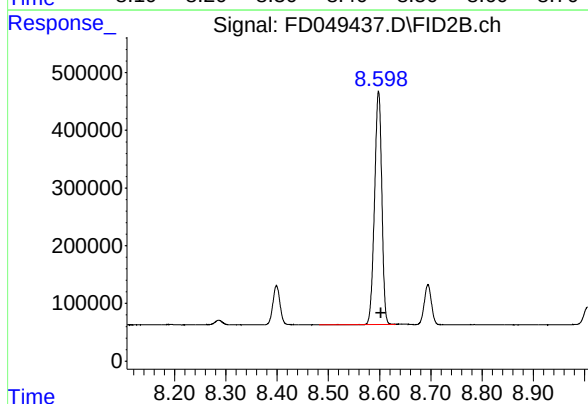
#5 Acenaphthylene (C15.06)

R.T.: 8.399 min
Delta R.T.: -0.007 min
Response: 670479
Conc: 3.46 ug/ml

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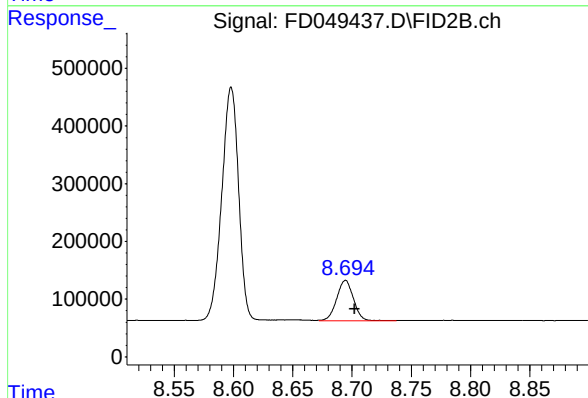
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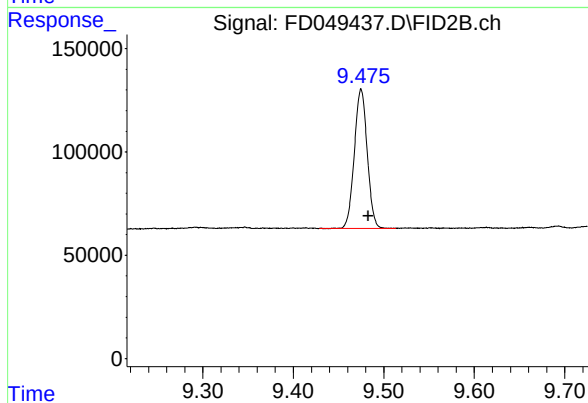
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.598 min
Delta R.T.: -0.004 min
Response: 3959083
Conc: 34.61 ug/ml



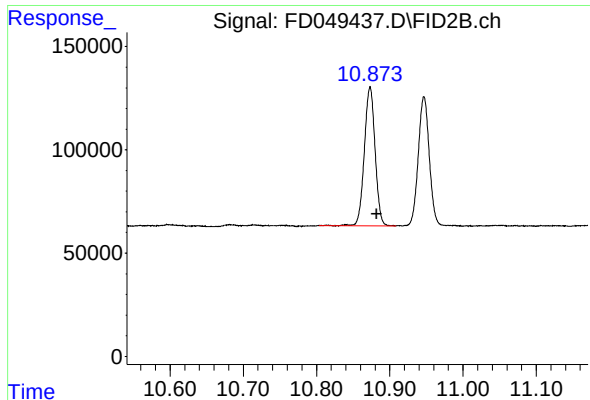
#7 Acenaphthene (C15.5)

R.T.: 8.694 min
Delta R.T.: -0.008 min
Response: 685908
Conc: 3.61 ug/ml m



#8 Flouorene (C16.55)

R.T.: 9.475 min
Delta R.T.: -0.008 min
Response: 667185
Conc: 3.41 ug/ml



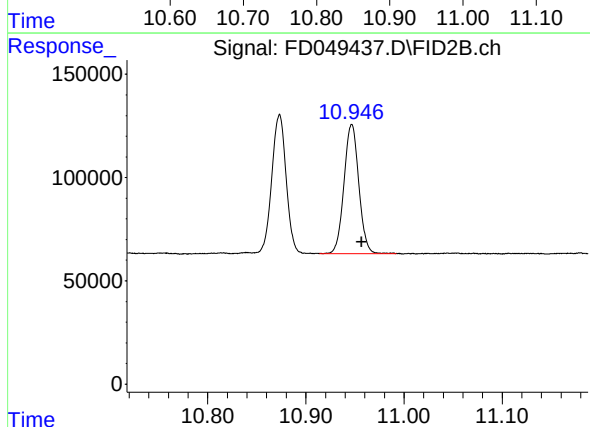
#9 Phenanthrene (C19.36)

R.T.: 10.873 min
Delta R.T.: -0.009 min
Response: 684470
Conc: 3.60 ug/ml

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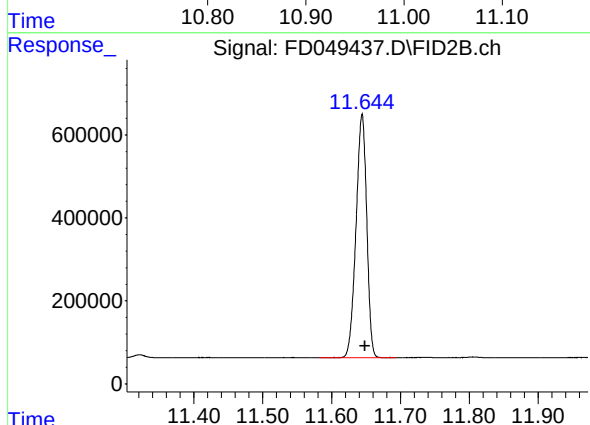
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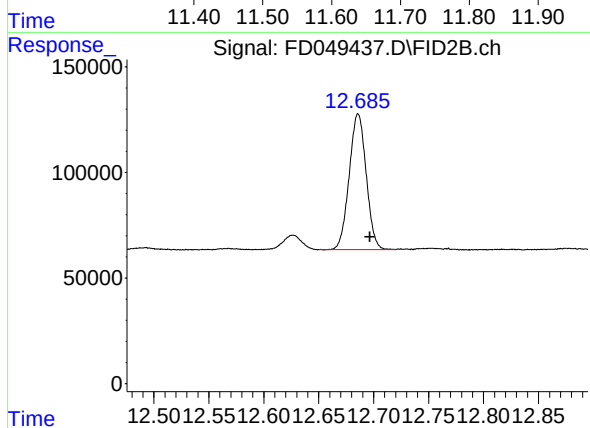
#10 Anthracene (C19.43)

R.T.: 10.947 min
Delta R.T.: -0.010 min
Response: 654468
Conc: 3.74 ug/ml



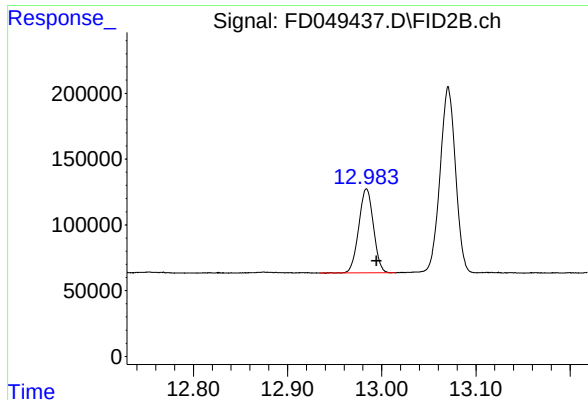
#11 ortho-Terphenyl (SURRE)

R.T.: 11.644 min
Delta R.T.: -0.004 min
Response: 6345869
Conc: 31.62 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.686 min
Delta R.T.: -0.011 min
Response: 691451
Conc: 3.83 ug/ml



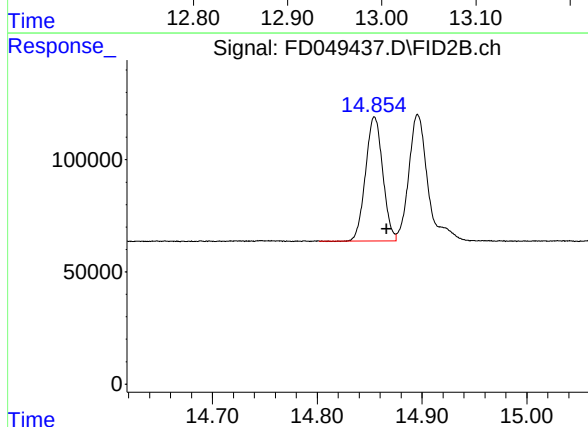
#13 Pyrene (C20.8)

R.T.: 12.984 min
Delta R.T.: -0.011 min
Response: 690991
Conc: 3.87 ug/ml

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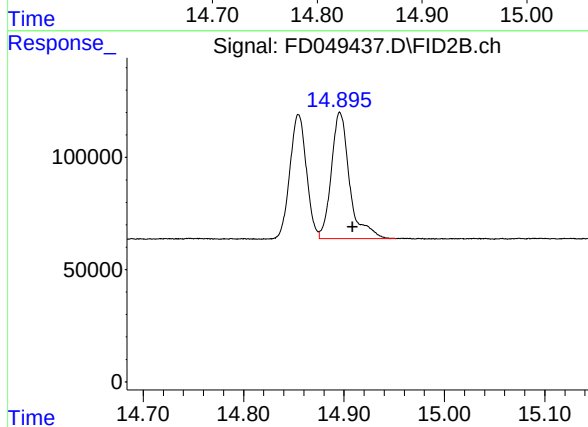
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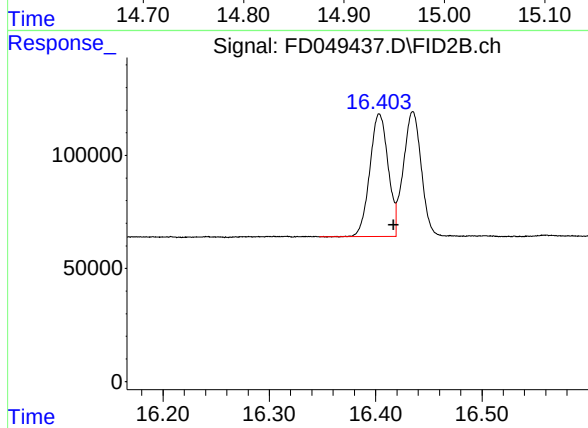
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.855 min
Delta R.T.: -0.011 min
Response: 631756
Conc: 4.16 ug/ml



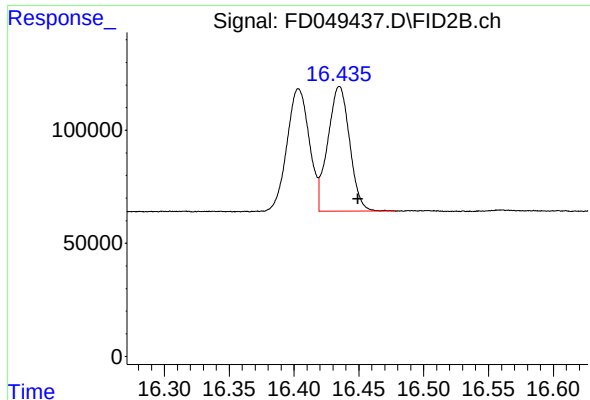
#15 Chrysene (C27.41)

R.T.: 14.896 min
Delta R.T.: -0.013 min
Response: 712153
Conc: 4.69 ug/ml



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

R.T.: 16.404 min
Delta R.T.: -0.013 min
Response: 648321
Conc: 4.48 ug/ml



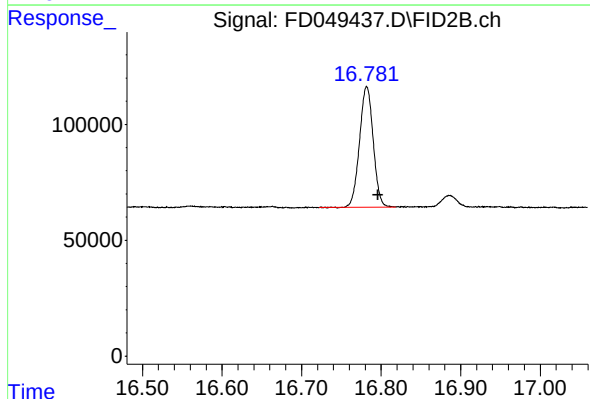
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.435 min
Delta R.T.: -0.014 min
Response: 647796
Conc: 4.51 ug/ml

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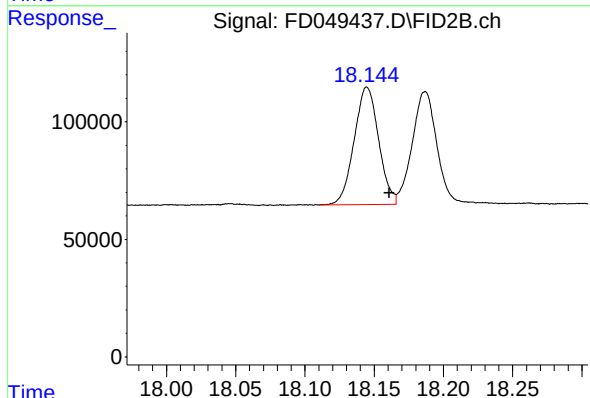
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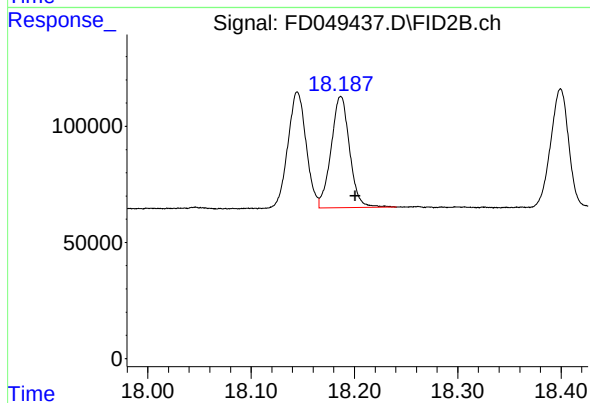
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.782 min
Delta R.T.: -0.014 min
Response: 620943
Conc: 4.57 ug/ml



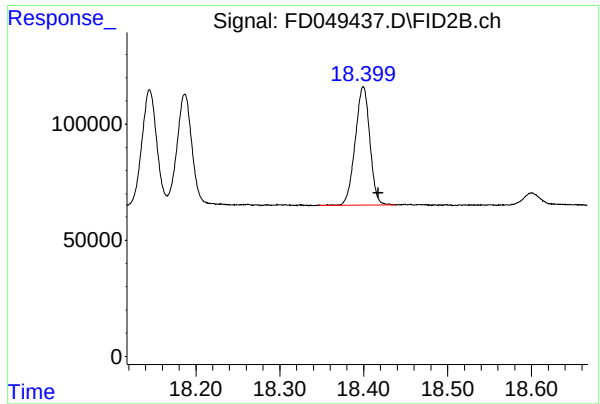
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.145 min
Delta R.T.: -0.016 min
Response: 613786
Conc: 4.81 ug/ml



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

R.T.: 18.187 min
Delta R.T.: -0.014 min
Response: 595050
Conc: 4.42 ug/ml



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

R.T.: 18.400 min
Delta R.T.: -0.018 min
Response: 616358
Conc: 4.57 ug/ml

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