

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012925AR\
 Data File : FD048991.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 11:10
 Operator : YP/AJ
 Sample : Q1168-02
 Misc : 5 PPM SOIL LOQ
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 00:57:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 03:38:15 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...	7.358	8533547	59.959 ug/ml
Spiked Amount 50.000		Recovery =	119.92%
6) S 2-Fluorobiphenyl (SURR)	8.208	5241725	61.604 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	123.21%
11) S ortho-Terphenyl (SURR)	11.244	8127666	49.423 ug/ml
Spiked Amount 50.000		Recovery =	98.85%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.185	683618	4.435 ug/ml
2) T Naphthalene (C11.7)	5.709	624593	3.996 ug/ml
3) T 2-Methylnaphthalene (...)	6.758	708162	4.565 ug/ml
5) T Acenaphthylene (C15.06)	8.016	768117	4.697 ug/ml
7) T Acenaphthene (C15.5)	8.305	936297	5.574 ug/ml
8) T Fluorene (C16.55)	9.097	712353	4.554 ug/ml
9) T Phenanthrene (C19.36)	10.483	730632	4.797 ug/ml
10) T Anthracene (C19.43)	10.566	754846	4.955 ug/ml
12) T Fluoranthene (C21.85)	12.293	757516	4.816 ug/ml
13) T Pyrene (C20.8)	12.582	755424	4.795 ug/ml
14) T Benzo[a]anthracene (C...	14.460	442820	3.441 ug/ml
15) T Chrysene (C27.41)	14.495	740180	4.377 ug/mlm
16) T benzo[b]fluoranthene ...	16.006	555859	4.068 ug/ml
17) T Bnezo[k]fluoranthene ...	16.041	895656	5.530 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.404	573830	4.123 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.776	490100	4.699 ug/ml
20) T Dibenz[a,h]anthracene...	17.824	620304	4.345 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.007	643525	4.512 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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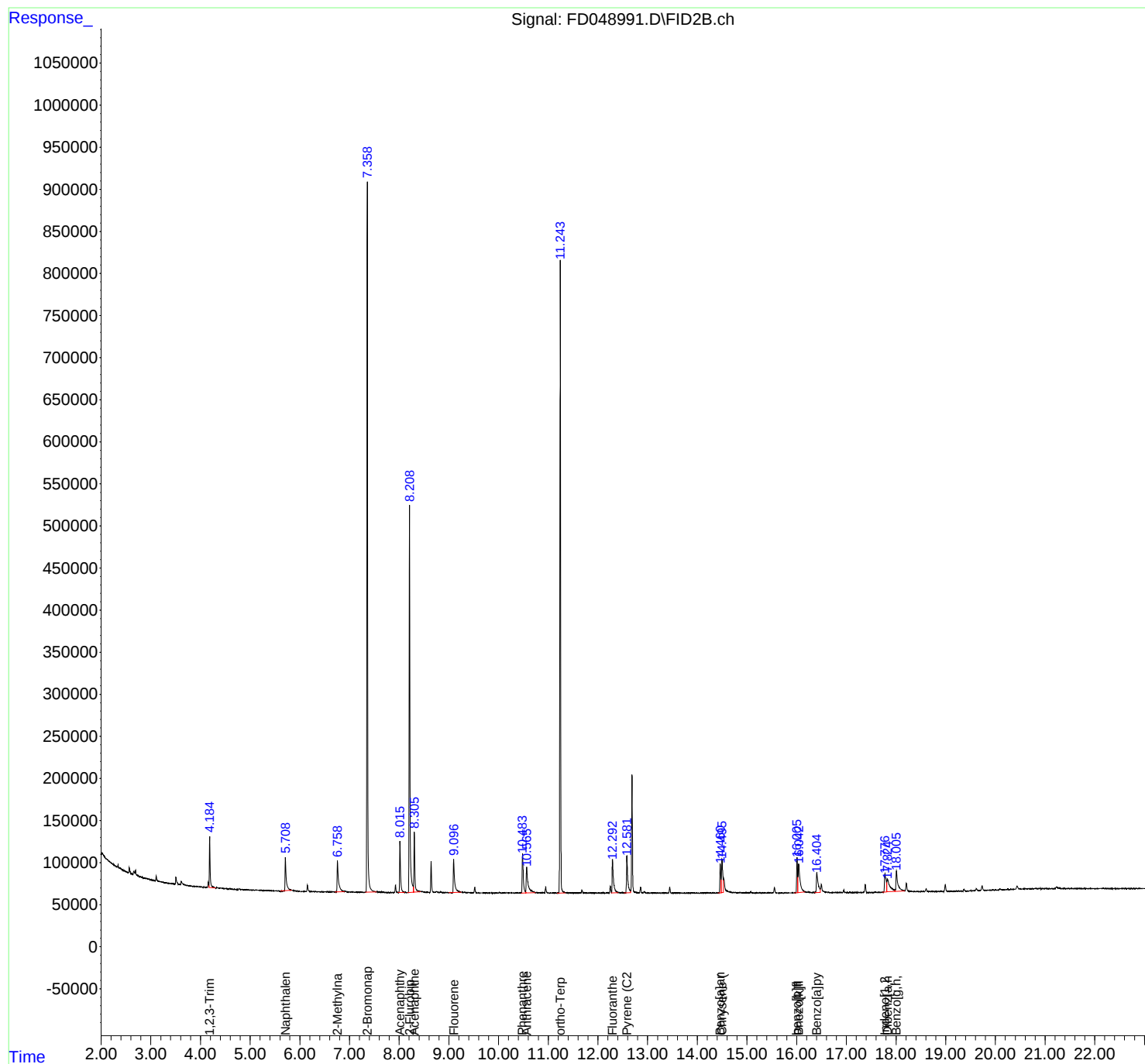
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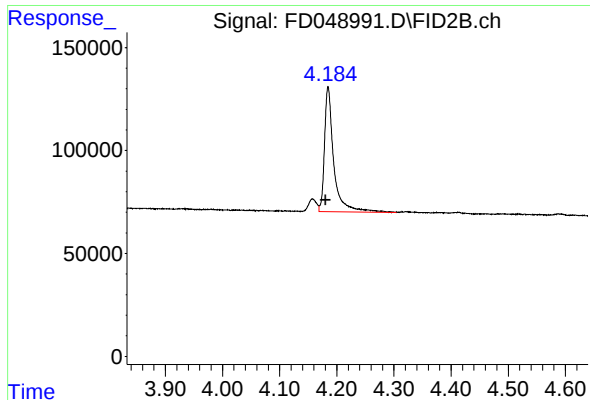
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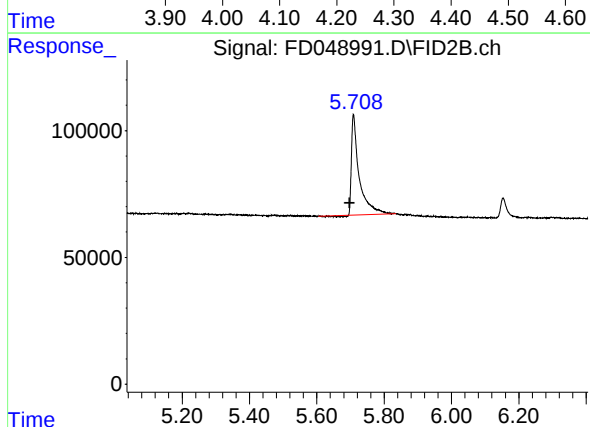
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.185 min
Delta R.T.: 0.005 min
Response: 683618
Conc: 4.43 ug/ml

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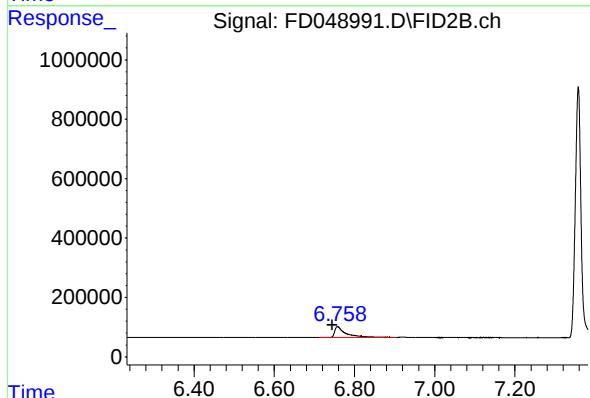
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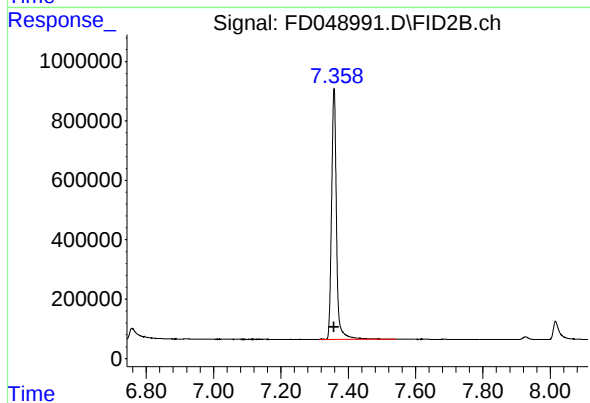
#2 Naphthalene (C11.7)

R.T.: 5.709 min
Delta R.T.: 0.011 min
Response: 624593
Conc: 4.00 ug/ml



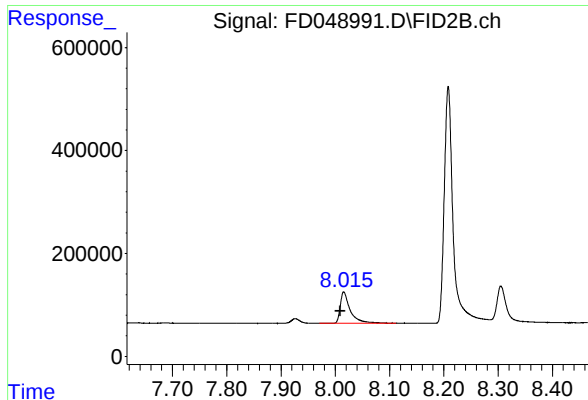
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.758 min
Delta R.T.: 0.013 min
Response: 708162
Conc: 4.56 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.358 min
Delta R.T.: 0.000 min
Response: 8533547
Conc: 59.96 ug/ml



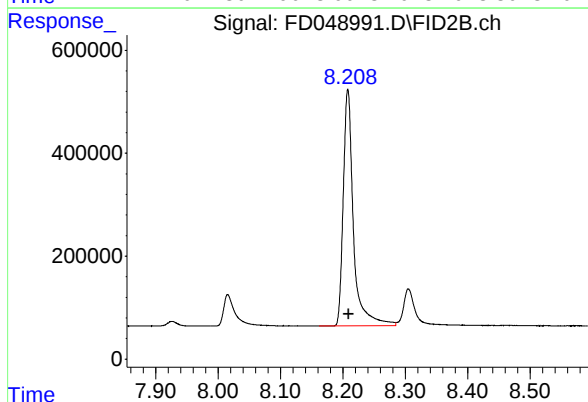
#5 Acenaphthylene (C15.06)

R.T.: 8.016 min
Delta R.T.: 0.006 min
Response: 768117
Conc: 4.70 ug/ml

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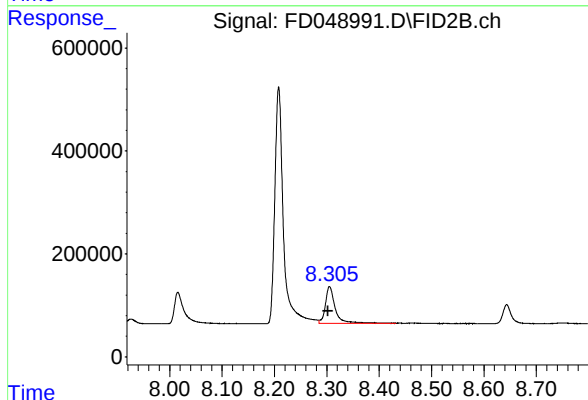
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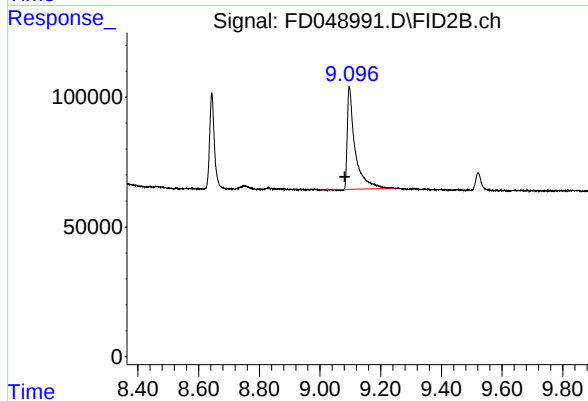
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.208 min
Delta R.T.: -0.001 min
Response: 5241725
Conc: 61.60 ug/ml



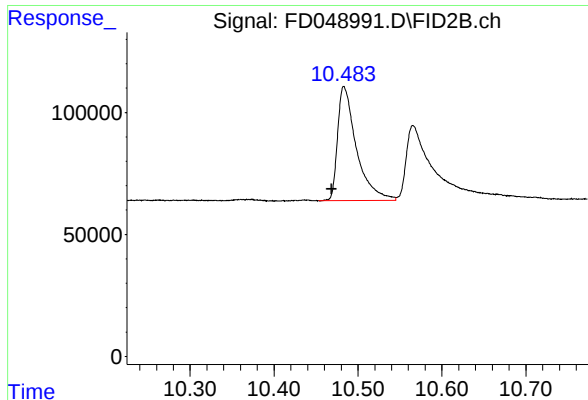
#7 Acenaphthene (C15.5)

R.T.: 8.305 min
Delta R.T.: 0.003 min
Response: 936297
Conc: 5.57 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.097 min
Delta R.T.: 0.014 min
Response: 712353
Conc: 4.55 ug/ml



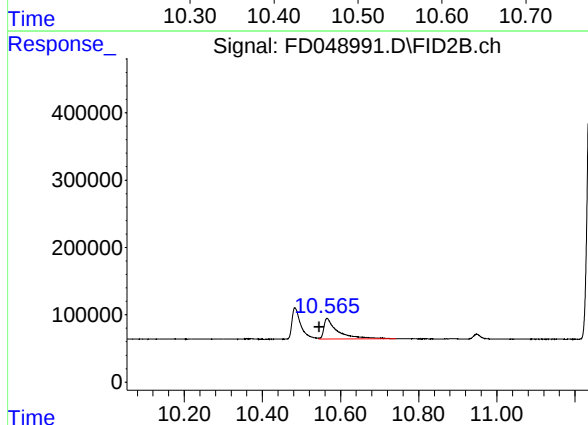
#9 Phenanthrene (C19.36)

R.T.: 10.483 min
Delta R.T.: 0.015 min
Response: 730632
Conc: 4.80 ug/ml

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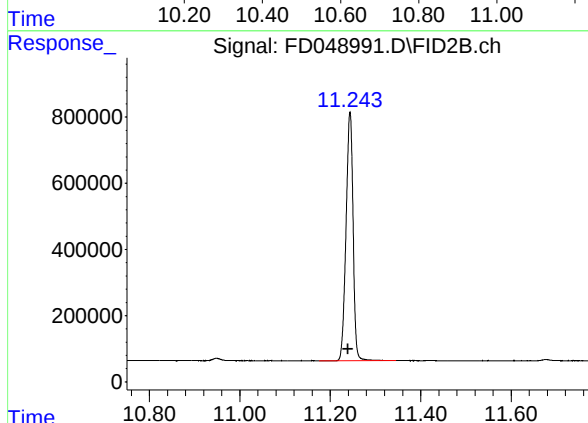
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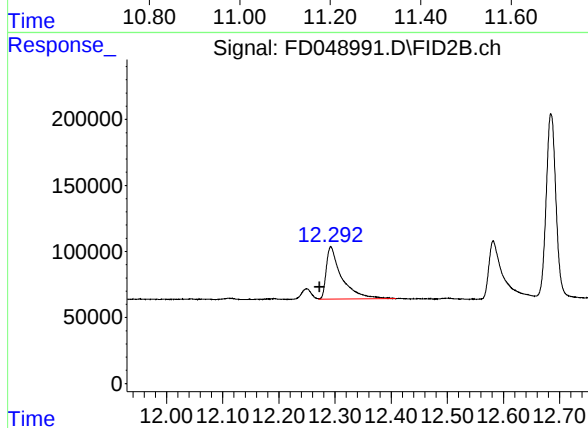
#10 Anthracene (C19.43)

R.T.: 10.566 min
Delta R.T.: 0.020 min
Response: 754846
Conc: 4.96 ug/ml



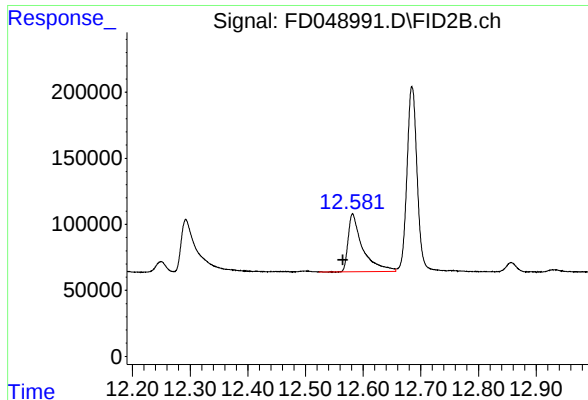
#11 ortho-Terphenyl (SURRE)

R.T.: 11.244 min
Delta R.T.: 0.005 min
Response: 8127666
Conc: 49.42 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.293 min
Delta R.T.: 0.020 min
Response: 757516
Conc: 4.82 ug/ml



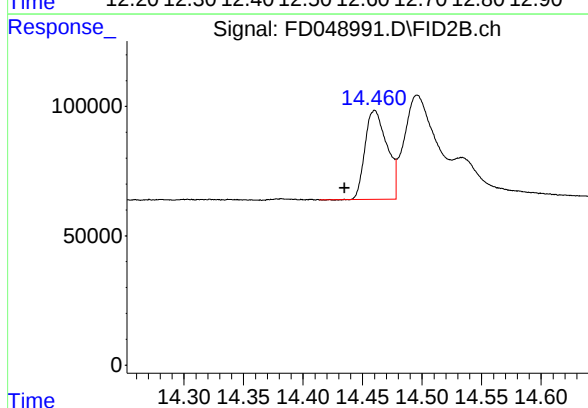
#13 Pyrene (C20.8)

R.T.: 12.582 min
Delta R.T.: 0.017 min
Response: 755424
Conc: 4.80 ug/ml

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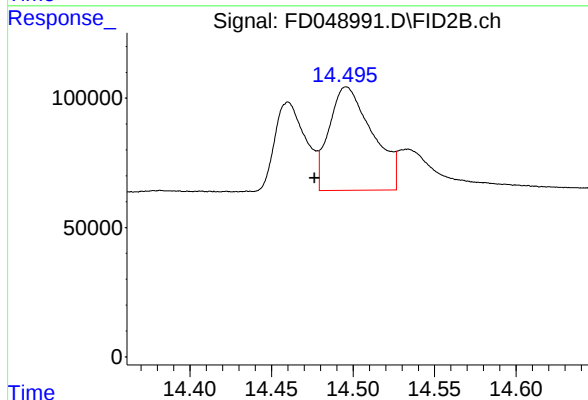
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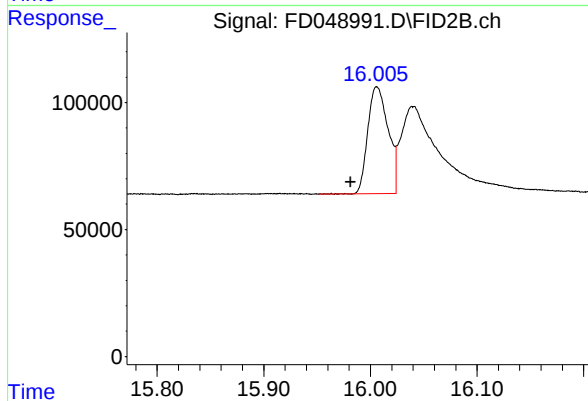
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.460 min
Delta R.T.: 0.025 min
Response: 442820
Conc: 3.44 ug/ml



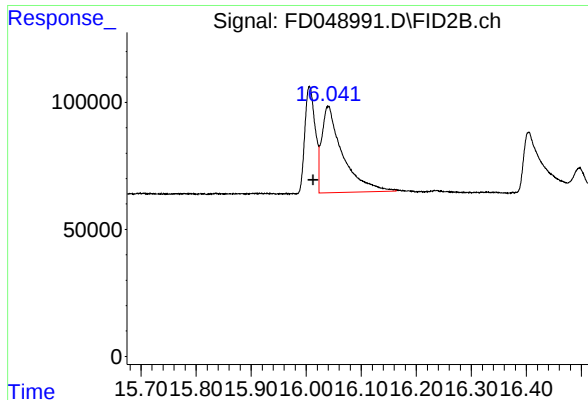
#15 Chrysene (C27.41)

R.T.: 14.495 min
Delta R.T.: 0.019 min
Response: 740180
Conc: 4.38 ug/ml m



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

R.T.: 16.006 min
Delta R.T.: 0.024 min
Response: 555859
Conc: 4.07 ug/ml



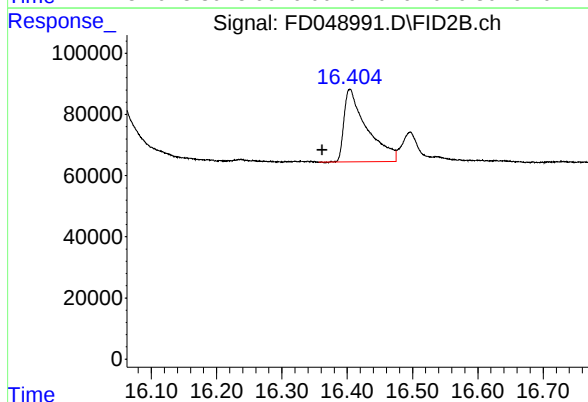
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.041 min
Delta R.T.: 0.028 min
Response: 895656
Conc: 5.53 ug/ml

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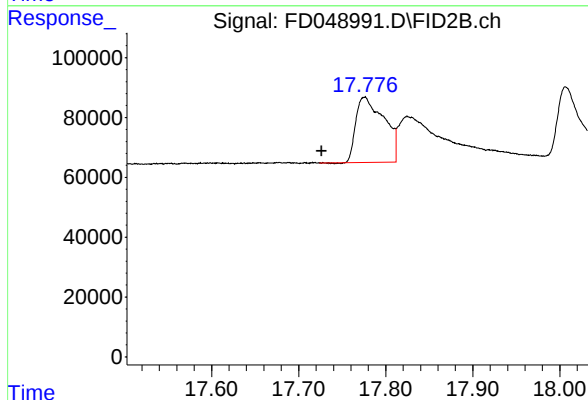
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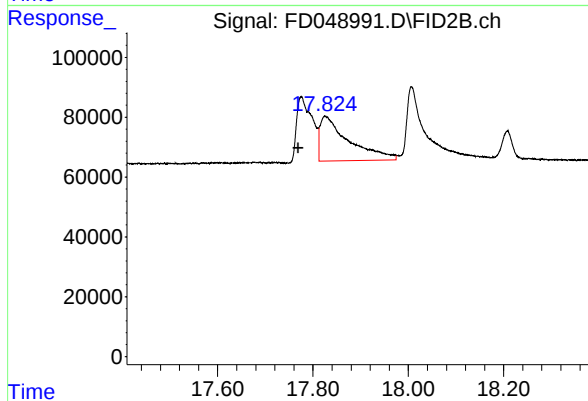
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.404 min
Delta R.T.: 0.043 min
Response: 573830
Conc: 4.12 ug/ml



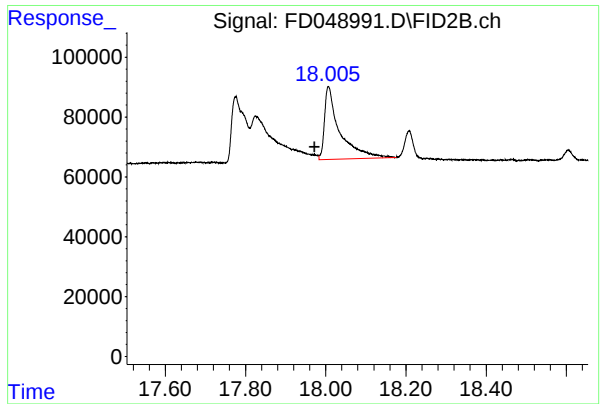
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.776 min
Delta R.T.: 0.049 min
Response: 490100
Conc: 4.70 ug/ml



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

R.T.: 17.824 min
Delta R.T.: 0.055 min
Response: 620304
Conc: 4.35 ug/ml m



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

R.T.: 18.007 min
Delta R.T.: 0.034 min
Response: 643525
Conc: 4.51 ug/ml

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