

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD123124AR\
 Data File : FD048922.D
 Signal(s) : FID2B.ch
 Acq On : 31 Dec 2024 11:37
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/31/2024
 Supervised By :Ankita Jodhani 01/02/2025

Integration File: autoint1.e
 Quant Time: Dec 31 12:19:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 123124.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 31 12:19:51 2024
 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...	7.365	821487	5.164 ug/ml
Spiked Amount 50.000		Recovery =	10.33%
6) S 2-Fluorobiphenyl (SURR)	8.226	407533	4.167 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	8.33%
11) S ortho-Terphenyl (SURR)	11.244	936727	5.104 ug/ml
Spiked Amount 50.000		Recovery =	10.21%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.186	866657	5.027 ug/ml
2) T Naphthalene (C11.7)	5.707	892982	4.917 ug/ml
3) T 2-Methylnaphthalene (...)	6.754	916865	4.974 ug/ml
5) T Acenaphthylene (C15.06)	8.016	937833	5.098 ug/ml
7) T Acenaphthene (C15.5)	8.306	987838	5.206 ug/ml
8) T Fluorene (C16.55)	9.093	880821	4.941 ug/ml
9) T Phenanthrene (C19.36)	10.480	834805	4.760 ug/ml
10) T Anthracene (C19.43)	10.560	860471	5.071 ug/ml
12) T Fluoranthene (C21.85)	12.286	882722	4.884 ug/ml
13) T Pyrene (C20.8)	12.577	907971	5.051 ug/ml
14) T Benzo[a]anthracene (C...	14.450	636591	4.041 ug/ml
15) T Chrysene (C27.41)	14.488	1080103	5.591 ug/ml
16) T benzo[b]fluoranthene ...	15.995	712391	4.308 ug/ml
17) T Bnezo[k]fluoranthene ...	16.028	1014509	5.600 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.385	772704	4.638 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.752	509722	3.844 ug/mlm
20) T Dibenz[a,h]anthracene...	17.796	1035159	5.613 ug/ml
21) T Benzo[g,h,i]perylene ...	17.992	835228	5.003 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
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ALS Vial : 65 Sample Multiplier: 1

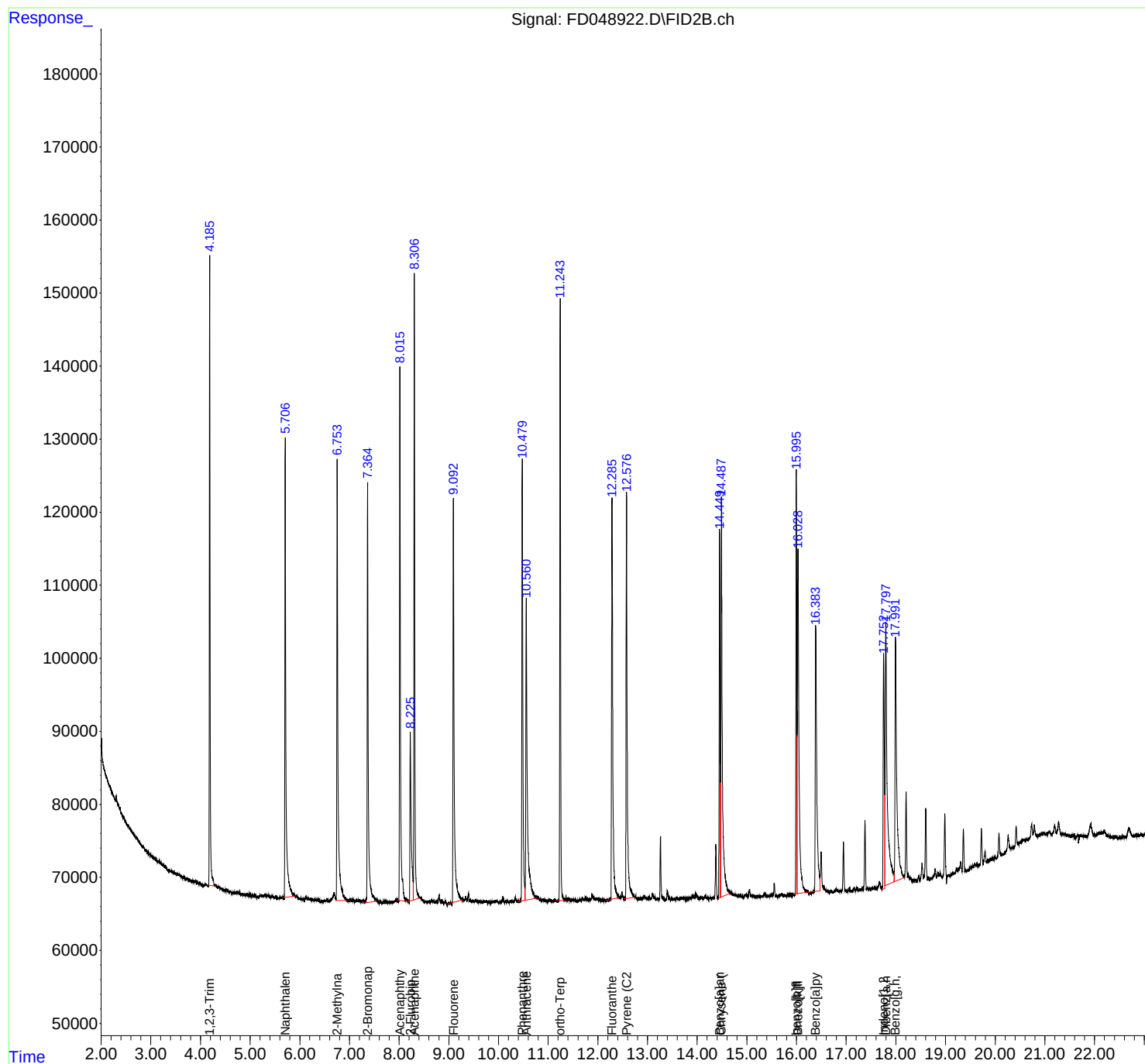
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

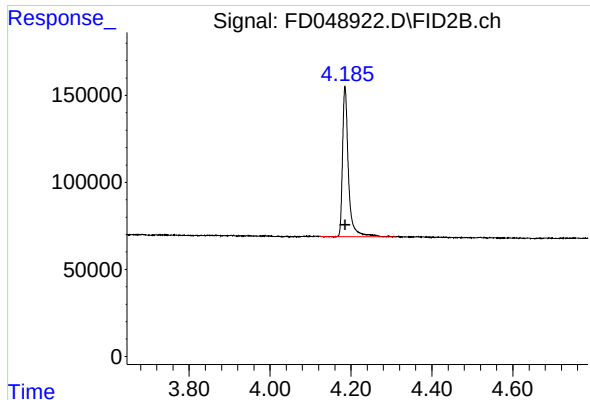
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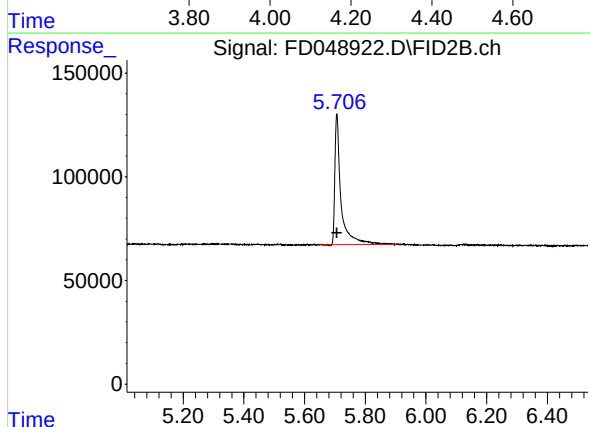
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.186 min
Delta R.T.: 0.000 min
Response: 866657
Conc: 5.03 ug/ml

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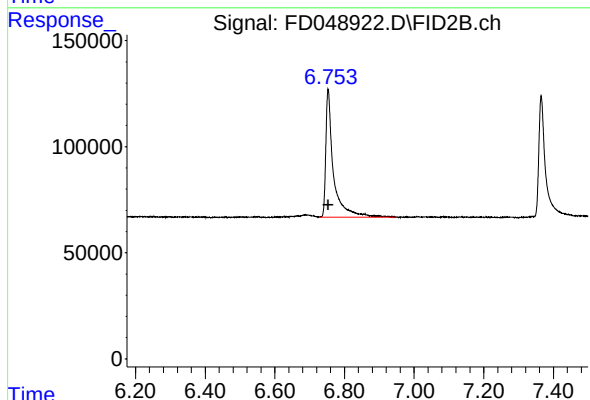
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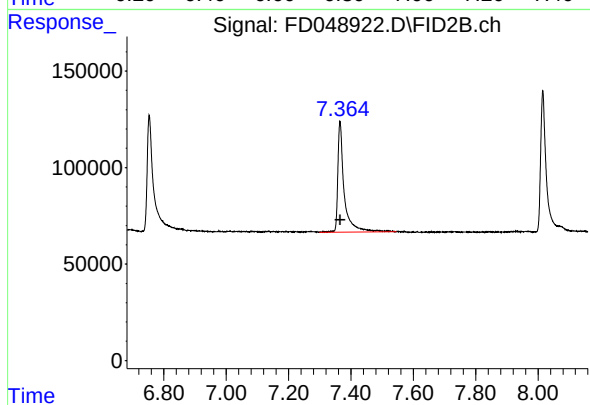
#2 Naphthalene (C11.7)

R.T.: 5.707 min
Delta R.T.: 0.000 min
Response: 892982
Conc: 4.92 ug/ml



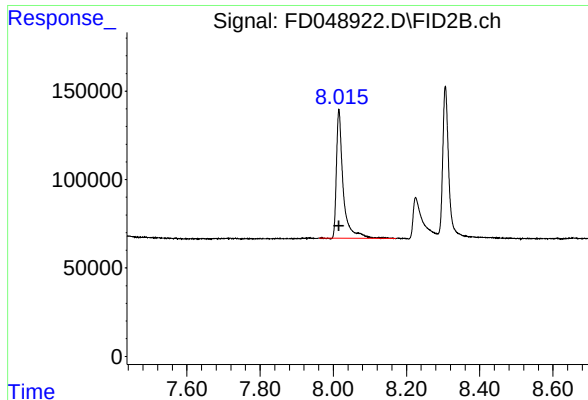
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 916865
Conc: 4.97 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.365 min
Delta R.T.: 0.000 min
Response: 821487
Conc: 5.16 ug/ml



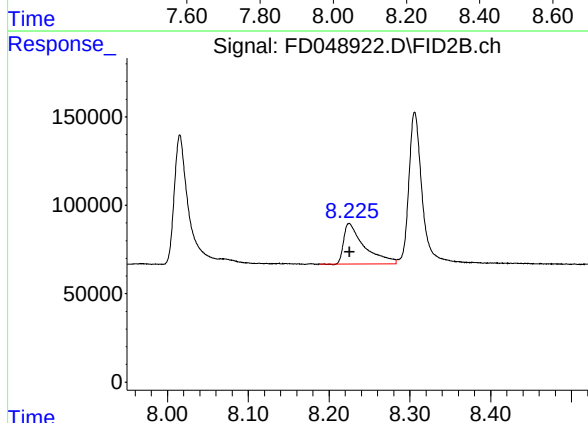
#5 Acenaphthylene (C15.06)

R.T.: 8.016 min
Delta R.T.: 0.000 min
Response: 937833
Conc: 5.10 ug/ml

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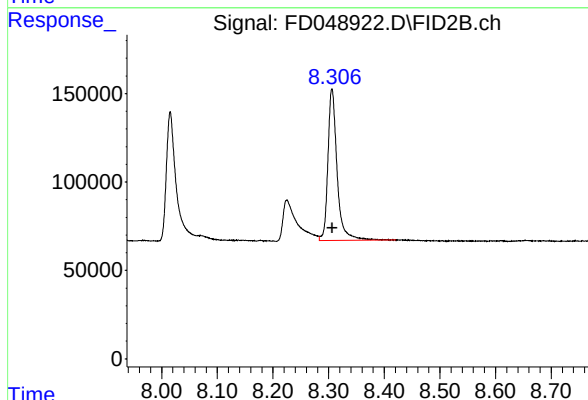
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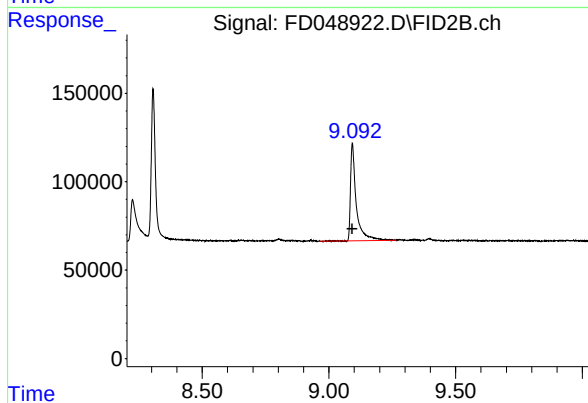
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.226 min
Delta R.T.: 0.000 min
Response: 407533
Conc: 4.17 ug/ml



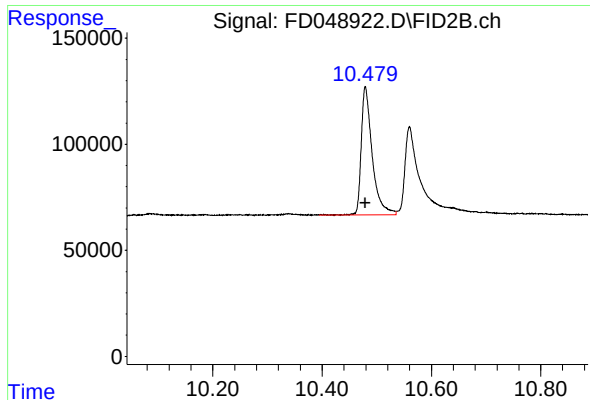
#7 Acenaphthene (C15.5)

R.T.: 8.306 min
Delta R.T.: 0.000 min
Response: 987838
Conc: 5.21 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.093 min
Delta R.T.: 0.000 min
Response: 880821
Conc: 4.94 ug/ml



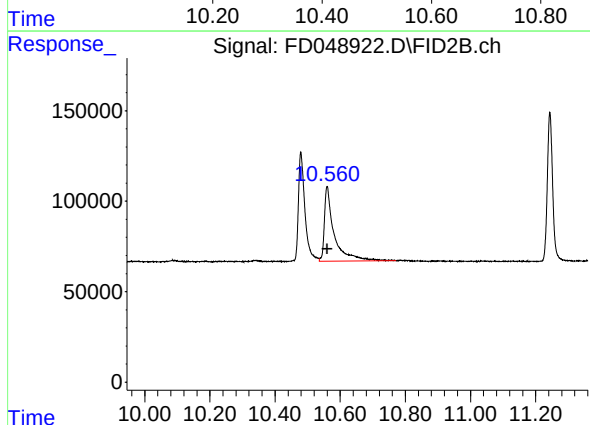
#9 Phenanthrene (C19.36)

R.T.: 10.480 min
Delta R.T.: 0.000 min
Response: 834805
Conc: 4.76 ug/ml

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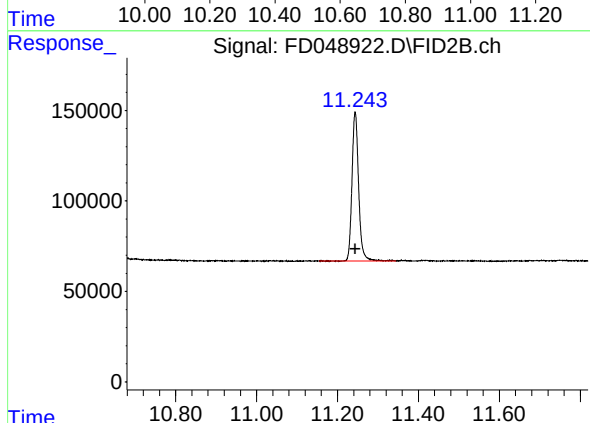
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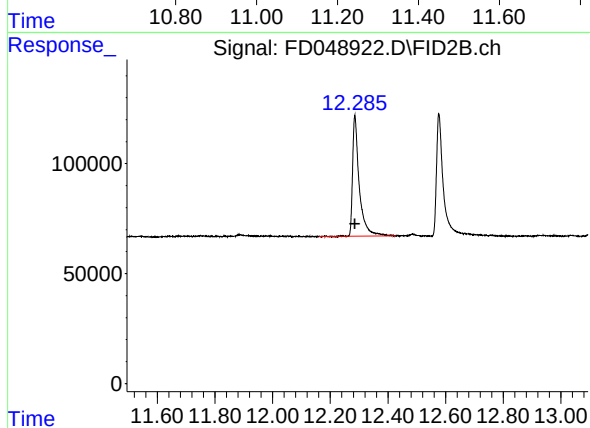
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: 0.000 min
Response: 860471
Conc: 5.07 ug/ml



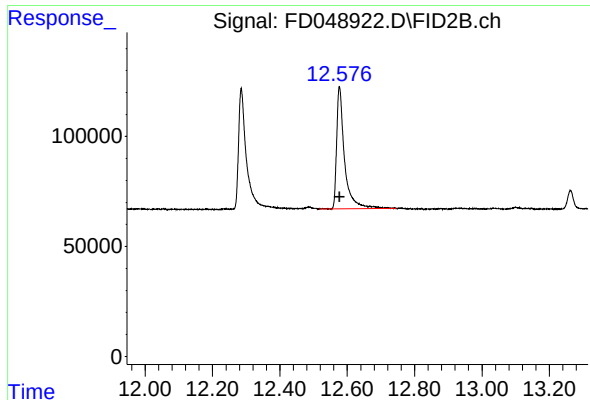
#11 ortho-Terphenyl (SURR)

R.T.: 11.244 min
Delta R.T.: 0.000 min
Response: 936727
Conc: 5.10 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.286 min
Delta R.T.: 0.000 min
Response: 882722
Conc: 4.88 ug/ml



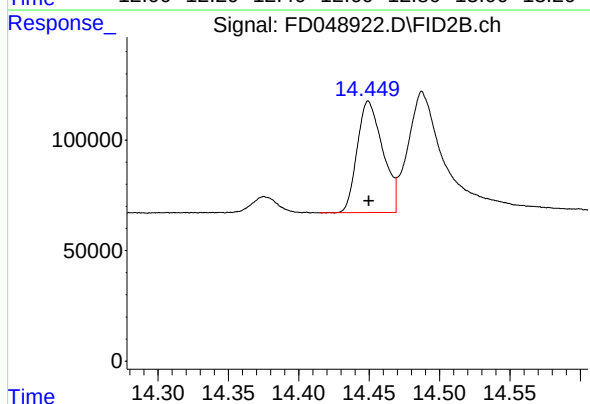
#13 Pyrene (C20.8)

R.T.: 12.577 min
Delta R.T.: 0.000 min
Response: 907971
Conc: 5.05 ug/ml

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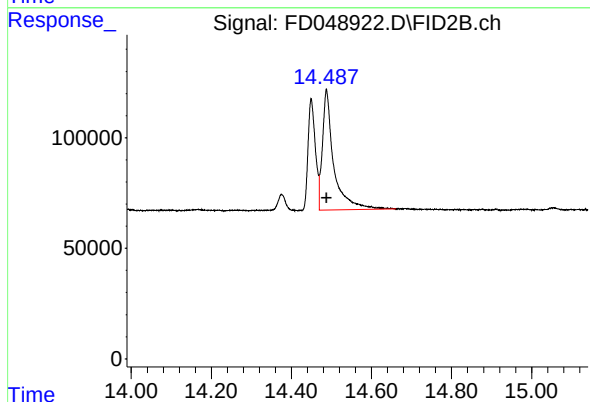
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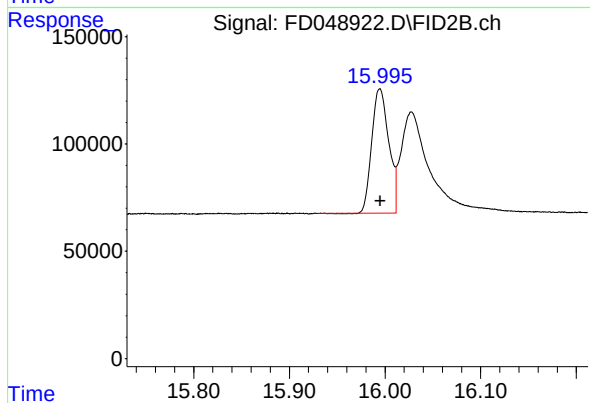
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.450 min
Delta R.T.: 0.000 min
Response: 636591
Conc: 4.04 ug/ml



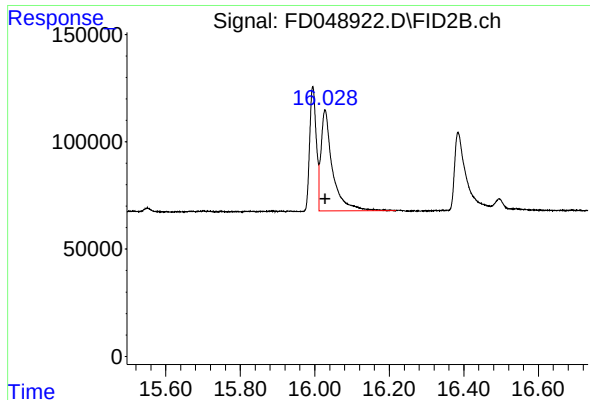
#15 Chrysene (C27.41)

R.T.: 14.488 min
Delta R.T.: 0.000 min
Response: 1080103
Conc: 5.59 ug/ml



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

R.T.: 15.995 min
Delta R.T.: 0.000 min
Response: 712391
Conc: 4.31 ug/ml



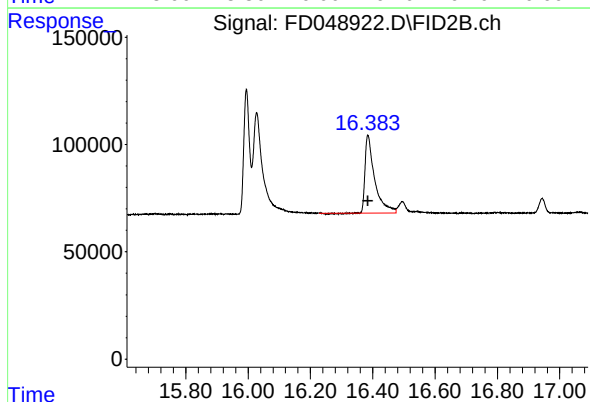
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.028 min
Delta R.T.: 0.000 min
Response: 1014509
Conc: 5.60 ug/ml

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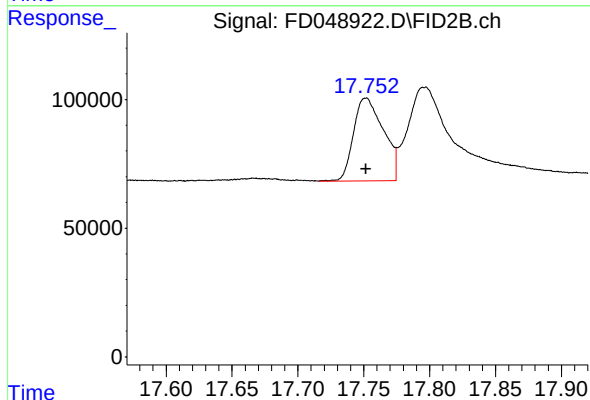
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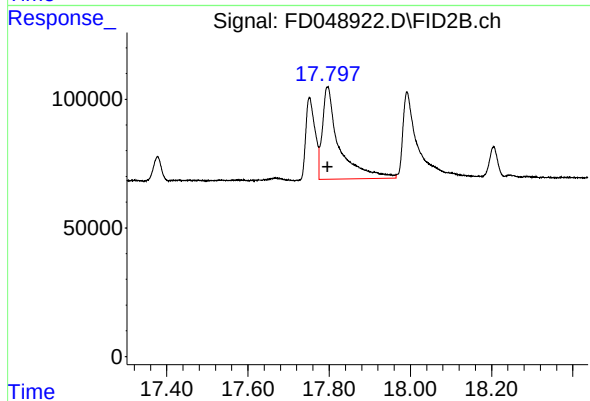
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.385 min
Delta R.T.: 0.000 min
Response: 772704
Conc: 4.64 ug/ml



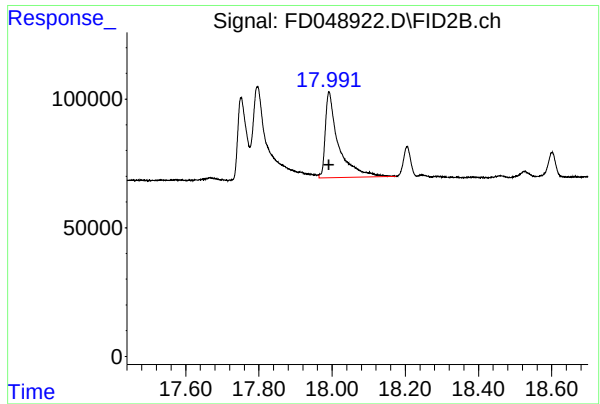
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.752 min
Delta R.T.: 0.000 min
Response: 509722
Conc: 3.84 ug/ml m



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

R.T.: 17.796 min
Delta R.T.: 0.000 min
Response: 1035159
Conc: 5.61 ug/ml



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

R.T.: 17.992 min
Delta R.T.: 0.000 min
Response: 835228
Conc: 5.00 ug/ml

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