

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
 Data File : FD048550.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 02:29
 Operator : YP/AJ
 Sample : PB164309BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB164309BSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e

Quant Time: Oct 23 05:09:10 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 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...	7.376	9146806	55.245 ug/ml
Spiked Amount 50.000		Recovery =	110.49%
6) S 2-Fluorobiphenyl (SURR)	8.226	6093512	58.758 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	117.52%
11) S ortho-Terphenyl (SURR)	11.262	8378054	45.534 ug/ml
Spiked Amount 50.000		Recovery =	91.07%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.198	7030766	40.117 ug/ml
2) T Naphthalene (C11.7)	5.716	8055709	43.145 ug/ml
3) T 2-Methylnaphthalene (...)	6.762	7931709	41.969 ug/ml
5) T Acenaphthylene (C15.06)	8.029	8484379	44.226 ug/ml
7) T Acenaphthene (C15.5)	8.325	8922624	47.171 ug/ml
8) T Flouorene (C16.55)	9.102	9130828	50.538 ug/ml
9) T Phenanthrene (C19.36)	10.490	9336772	52.682 ug/ml
10) T Anthracene (C19.43)	10.566	9469937	53.220 ug/ml
12) T Fluoranthene (C21.85)	12.295	9385127	51.888 ug/mlm
13) T Pyrene (C20.8)	12.589	9864483	55.088 ug/ml
14) T Benzo[a]anthracene (C...	14.457	8774935	54.907 ug/ml
15) T Chrysene (C27.41)	14.501	8903794	47.735 ug/ml
16) T benzo[b]fluoranthene ...	16.005	8569342	51.455 ug/ml
17) T Bnezo[k]fluoranthene ...	16.041	8532341	50.265 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.381	8284459	50.687 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.750	8723460	66.318 ug/ml
20) T Dibenz[a,h]anthracene...	17.787	8242945	49.260 ug/ml
21) T Benzo[g,h,i]perylene ...	18.001	7963577	49.029 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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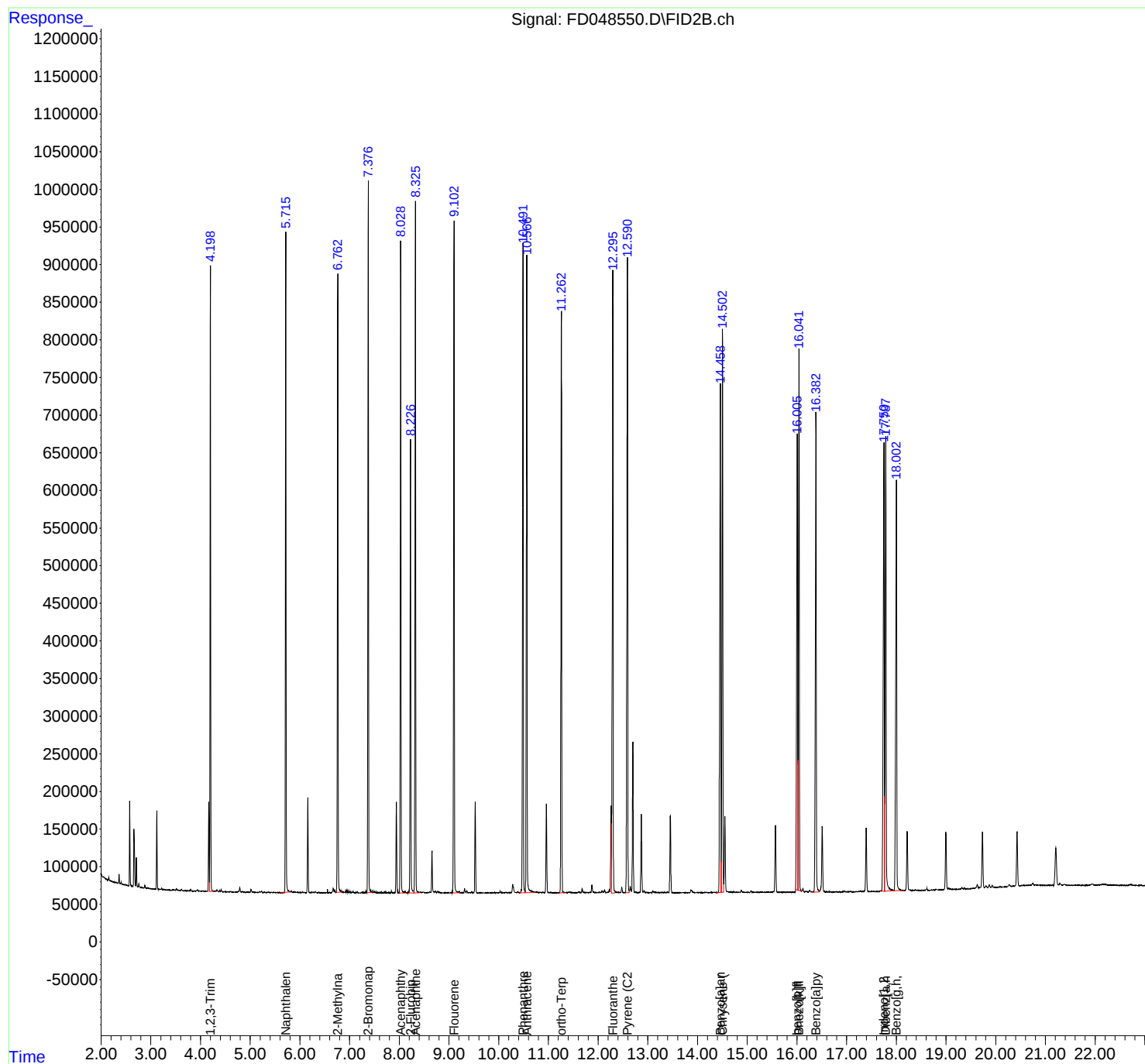
Instrument :
FID_D
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PB164309BSD

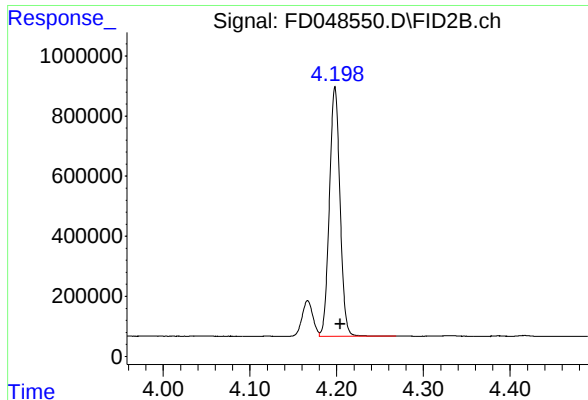
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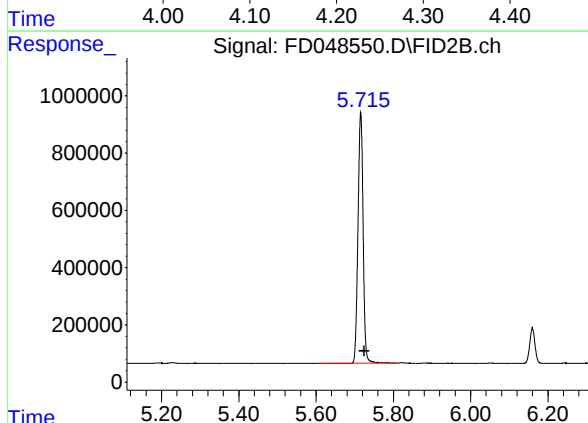
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.198 min
Delta R.T.: -0.006 min
Response: 7030766
Conc: 40.12 ug/ml

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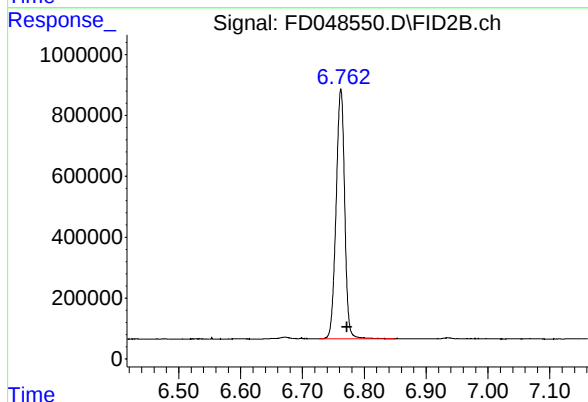
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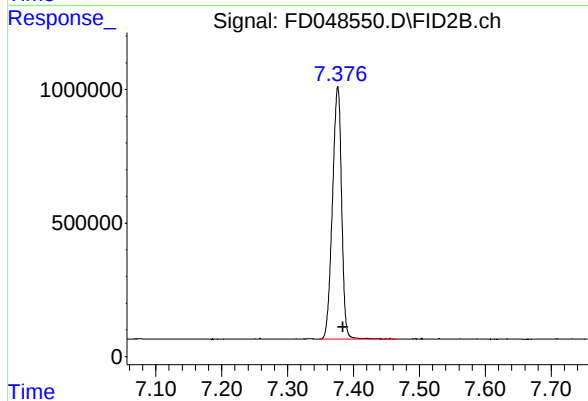
#2 Naphthalene (C11.7)

R.T.: 5.716 min
Delta R.T.: -0.009 min
Response: 8055709
Conc: 43.14 ug/ml



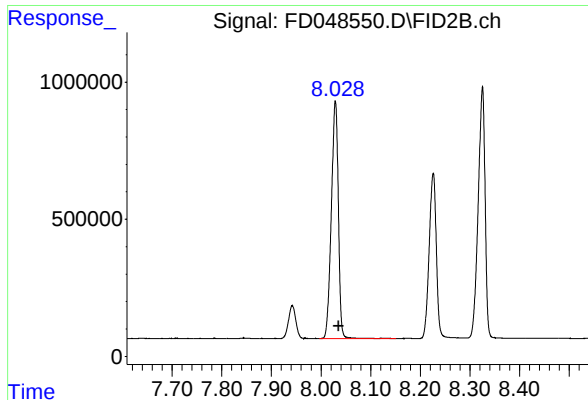
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.762 min
Delta R.T.: -0.010 min
Response: 7931709
Conc: 41.97 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.376 min
Delta R.T.: -0.008 min
Response: 9146806
Conc: 55.25 ug/ml



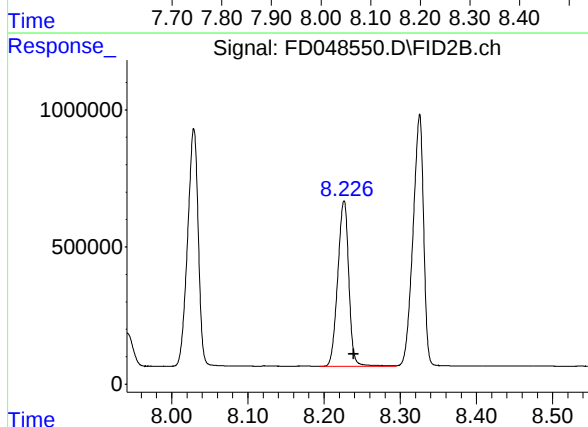
#5 Acenaphthylene (C15.06)

R.T.: 8.029 min
Delta R.T.: -0.007 min
Response: 8484379
Conc: 44.23 ug/ml

Instrument :
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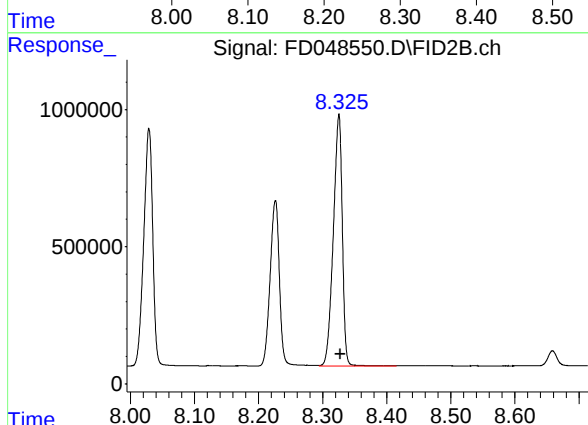
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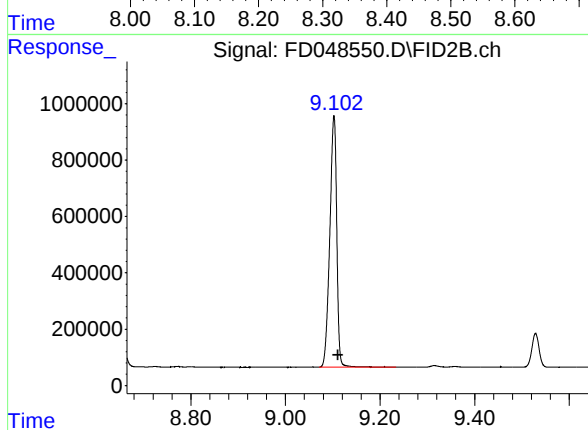
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.226 min
Delta R.T.: -0.013 min
Response: 6093512
Conc: 58.76 ug/ml



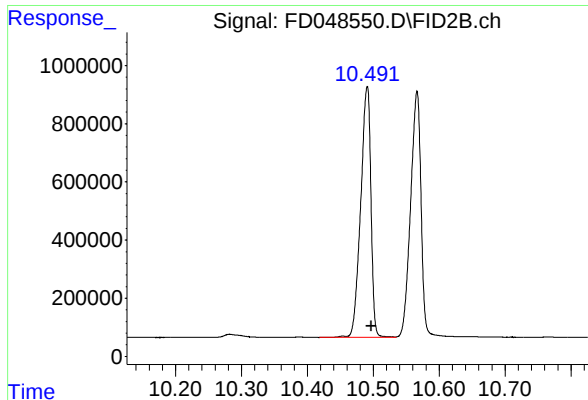
#7 Acenaphthene (C15.5)

R.T.: 8.325 min
Delta R.T.: -0.003 min
Response: 8922624
Conc: 47.17 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.102 min
Delta R.T.: -0.009 min
Response: 9130828
Conc: 50.54 ug/ml



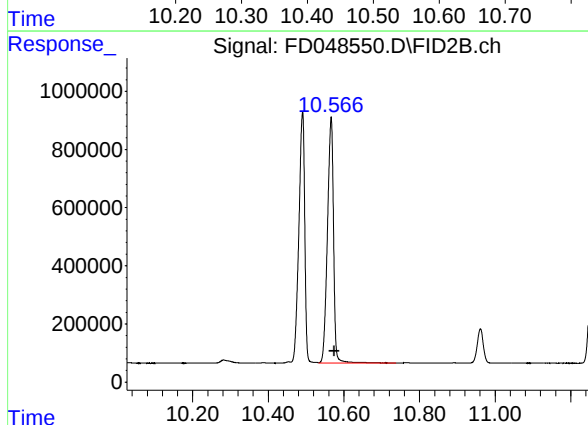
#9 Phenanthrene (C19.36)

R.T.: 10.490 min
Delta R.T.: -0.007 min
Response: 9336772
Conc: 52.68 ug/ml

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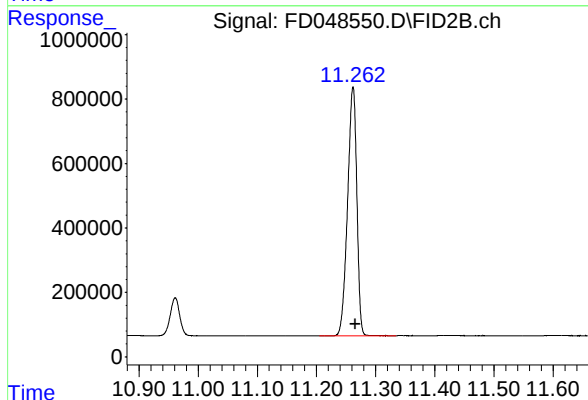
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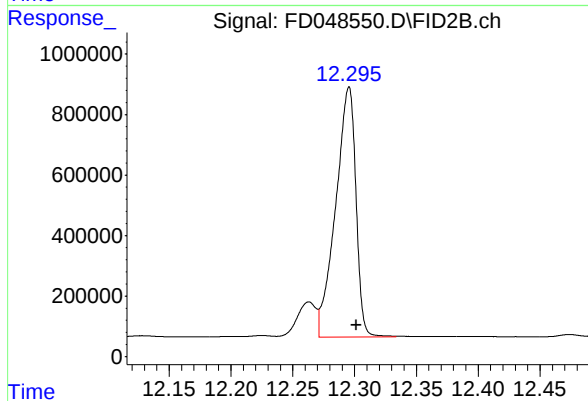
#10 Anthracene (C19.43)

R.T.: 10.566 min
Delta R.T.: -0.009 min
Response: 9469937
Conc: 53.22 ug/ml



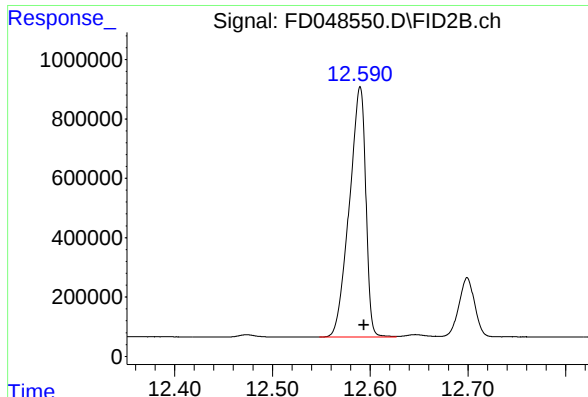
#11 ortho-Terphenyl (SURR)

R.T.: 11.262 min
Delta R.T.: -0.004 min
Response: 8378054
Conc: 45.53 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.295 min
Delta R.T.: -0.006 min
Response: 9385127
Conc: 51.89 ug/ml m



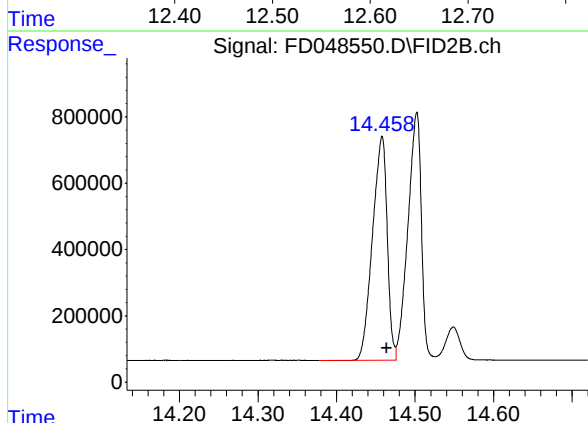
#13 Pyrene (C20.8)

R.T.: 12.589 min
Delta R.T.: -0.004 min
Response: 9864483
Conc: 55.09 ug/ml

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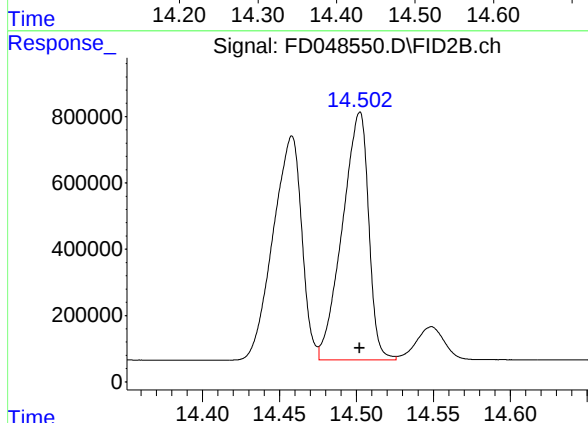
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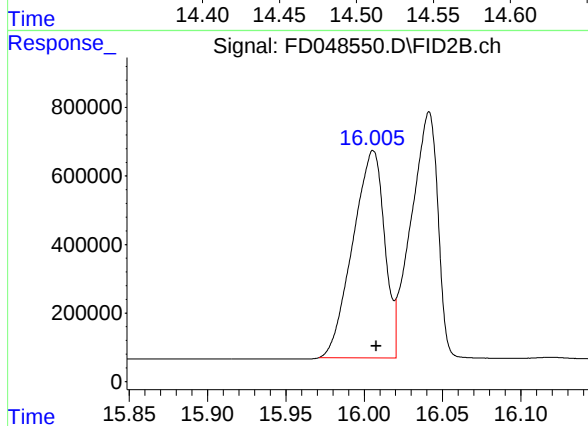
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.457 min
Delta R.T.: -0.006 min
Response: 8774935
Conc: 54.91 ug/ml



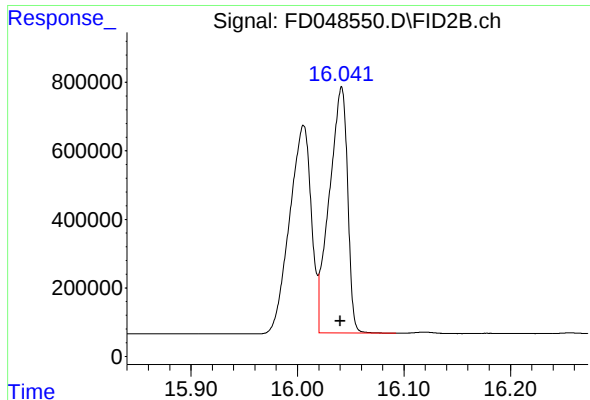
#15 Chrysene (C27.41)

R.T.: 14.501 min
Delta R.T.: 0.000 min
Response: 8903794
Conc: 47.73 ug/ml



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

R.T.: 16.005 min
Delta R.T.: -0.003 min
Response: 8569342
Conc: 51.45 ug/ml



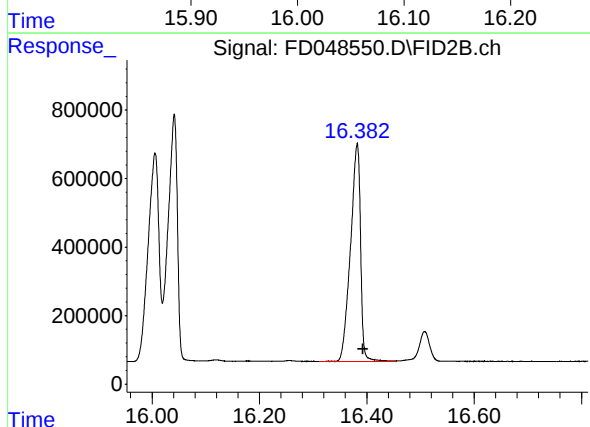
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.041 min
Delta R.T.: 0.000 min
Response: 8532341
Conc: 50.26 ug/ml

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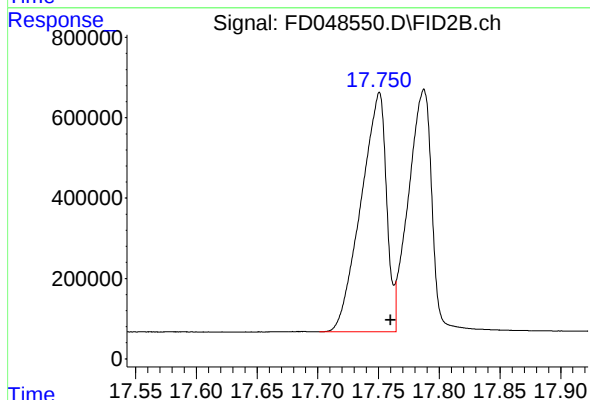
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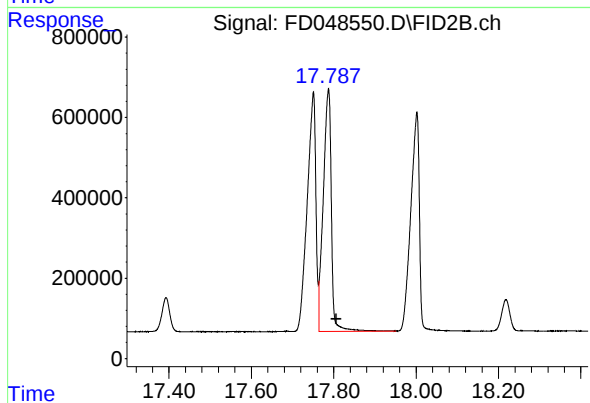
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: -0.012 min
Response: 8284459
Conc: 50.69 ug/ml



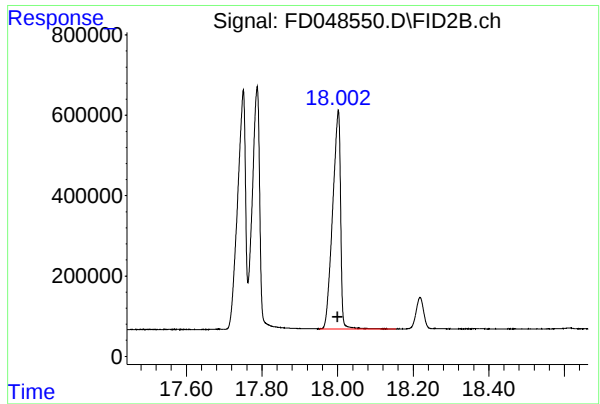
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.750 min
Delta R.T.: -0.010 min
Response: 8723460
Conc: 66.32 ug/ml



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

R.T.: 17.787 min
Delta R.T.: -0.020 min
Response: 8242945
Conc: 49.26 ug/ml



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

R.T.: 18.001 min
Delta R.T.: 0.000 min
Response: 7963577
Conc: 49.03 ug/ml

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