

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF052224AR\
 Data File : FF014264.D
 Signal(s) : FID2B.ch
 Acq On : 22 May 2024 10:56
 Operator : YP\AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/23/2024
 Supervised By :Ankita Jodhani 05/23/2024

Integration File: autoint1.e
 Quant Time: May 22 12:02:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 052224.M
 Quant Title : GC Extractables
 QLast Update : Wed May 22 12:02:12 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...	7.901	1221457	11.113 ug/ml
Spiked Amount 50.000		Recovery =	22.23%
6) S 2-Fluorobiphenyl (SURR)	8.775	654899	10.024 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	20.05%
11) S ortho-Terphenyl (SURR)	11.834	1622421	11.925 ug/ml
Spiked Amount 50.000		Recovery =	23.85%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.516	1550240	11.927 ug/ml
2) T Naphthalene (C11.7)	6.180	1467578	11.313 ug/ml
3) T 2-Methylnaphthalene (...)	7.274	1299621	11.019 ug/ml
5) T Acenaphthylene (C15.06)	8.572	1463301	11.463 ug/ml
7) T Acenaphthene (C15.5)	8.870	1552564	11.588 ug/ml
8) T Flouorene (C16.55)	9.659	1093997	10.995 ug/ml
9) T Phenanthrene (C19.36)	11.063	1142482	11.154 ug/ml
10) T Anthracene (C19.43)	11.139	1073235	11.763 ug/ml
12) T Fluoranthene (C21.85)	12.881	1353268	11.592 ug/ml
13) T Pyrene (C20.8)	13.178	1387932	11.784 ug/ml
14) T Benzo[a]anthracene (C...	15.060	565898	10.101 ug/ml
15) T Chrysene (C27.41)	15.099	951760	11.989 ug/mlm
16) T benzo[b]fluoranthene ...	16.615	1094400	10.283 ug/ml
17) T Bnezo[k]fluoranthene ...	16.647	1303487	13.547 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.997	1006325	10.708 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.372	650467	8.314 ug/mlm
20) T Dibenz[a,h]anthracene...	18.421	692585	11.853 ug/ml
21) T Benzo[g,h,i]perylene ...	18.621	1352684	11.002 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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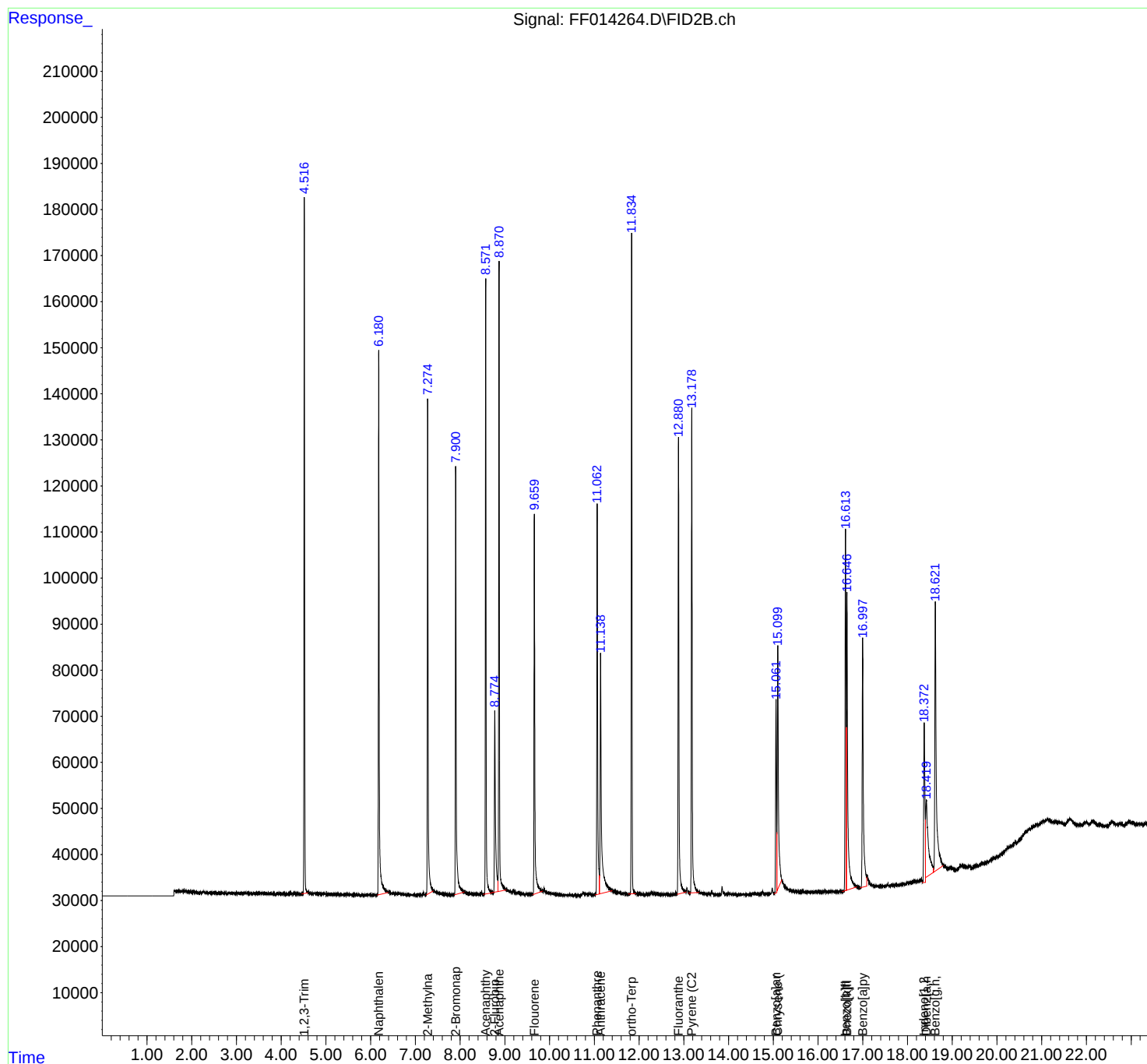
Instrument :
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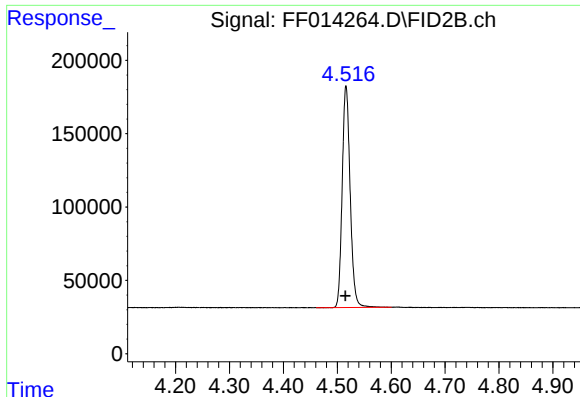
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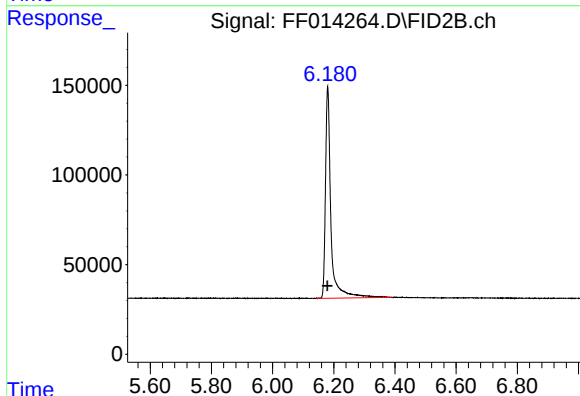
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.516 min
Delta R.T.: 0.001 min
Response: 1550240
Conc: 11.93 ug/ml

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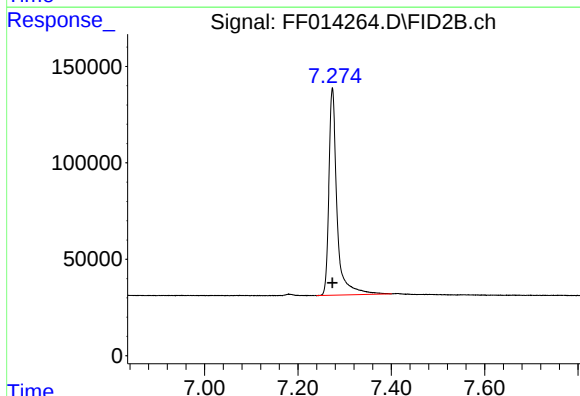
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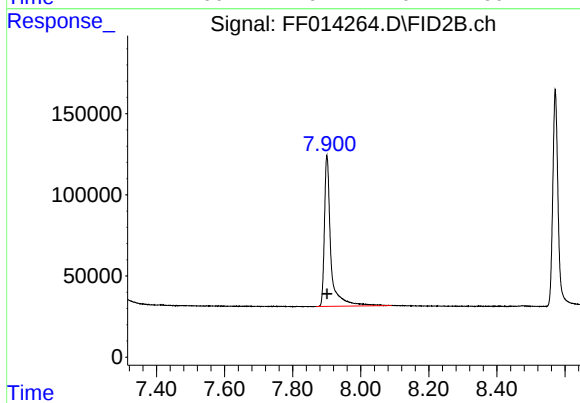
#2 Naphthalene (C11.7)

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 1467578
Conc: 11.31 ug/ml



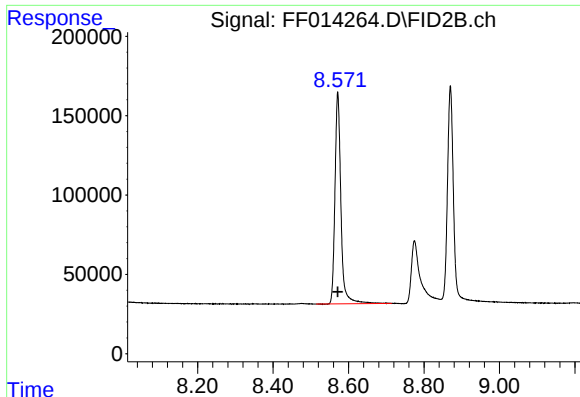
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.274 min
Delta R.T.: 0.000 min
Response: 1299621
Conc: 11.02 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.901 min
Delta R.T.: 0.000 min
Response: 1221457
Conc: 11.11 ug/ml



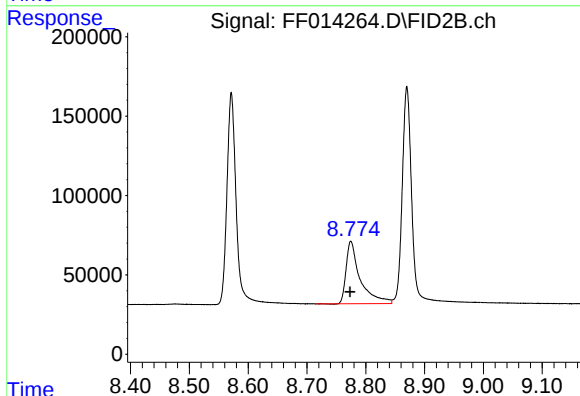
#5 Acenaphthylene (C15.06)

R.T.: 8.572 min
Delta R.T.: 0.000 min
Response: 1463301
Conc: 11.46 ug/ml

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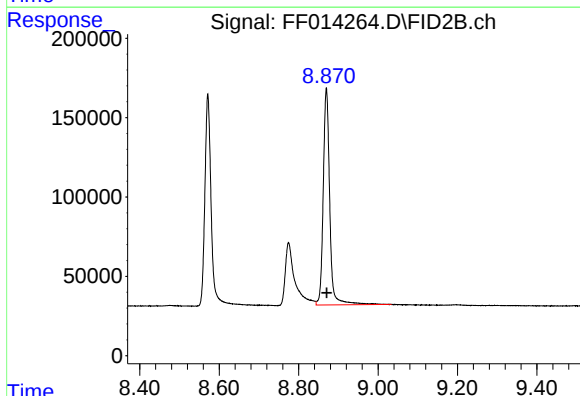
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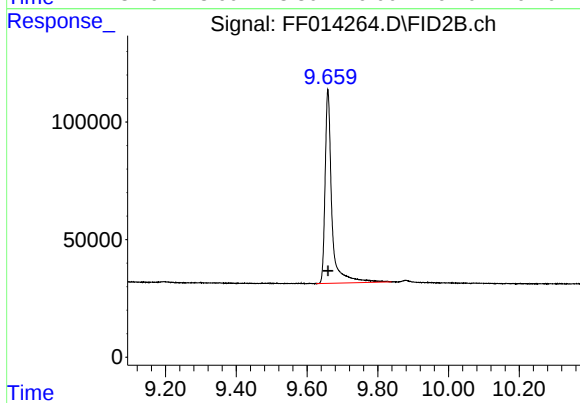
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.775 min
Delta R.T.: 0.002 min
Response: 654899
Conc: 10.02 ug/ml



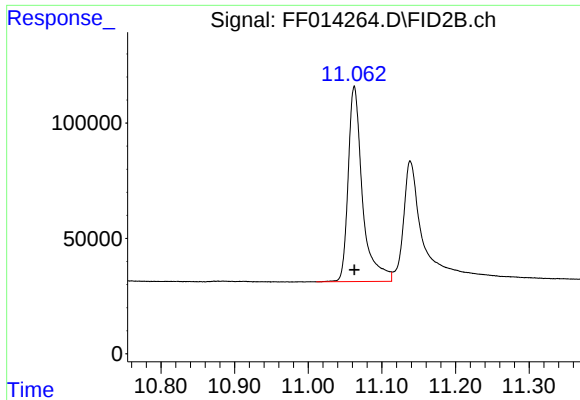
#7 Acenaphthene (C15.5)

R.T.: 8.870 min
Delta R.T.: -0.001 min
Response: 1552564
Conc: 11.59 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.659 min
Delta R.T.: 0.000 min
Response: 1093997
Conc: 10.99 ug/ml



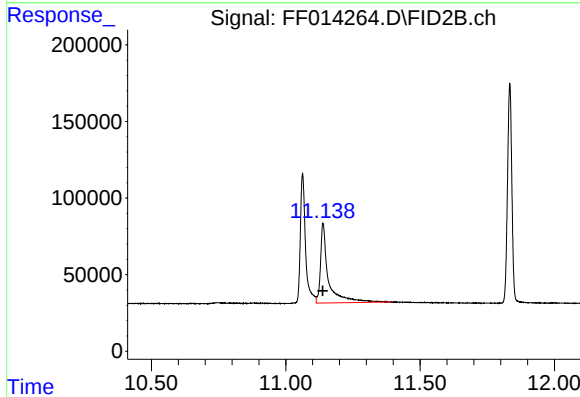
#9 Phenanthrene (C19.36)

R.T.: 11.063 min
Delta R.T.: 0.000 min
Response: 1142482
Conc: 11.15 ug/ml

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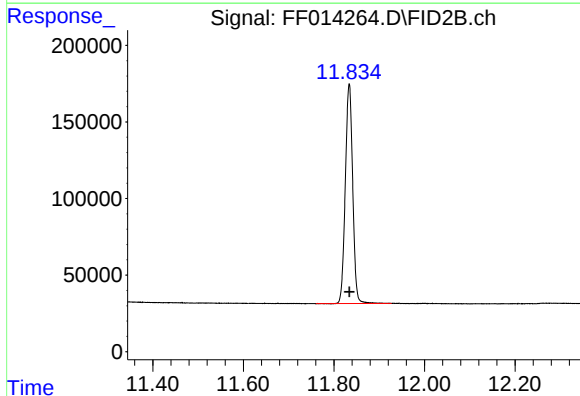
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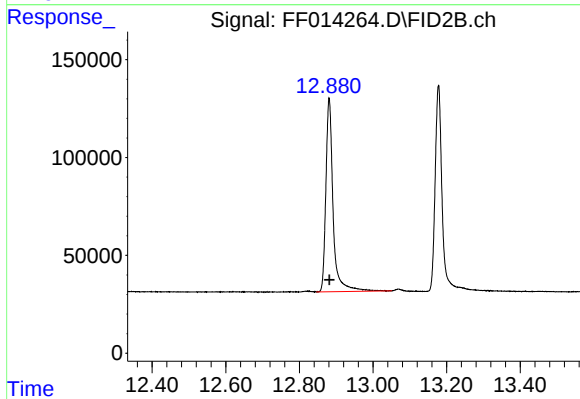
#10 Anthracene (C19.43)

R.T.: 11.139 min
Delta R.T.: 0.001 min
Response: 1073235
Conc: 11.76 ug/ml



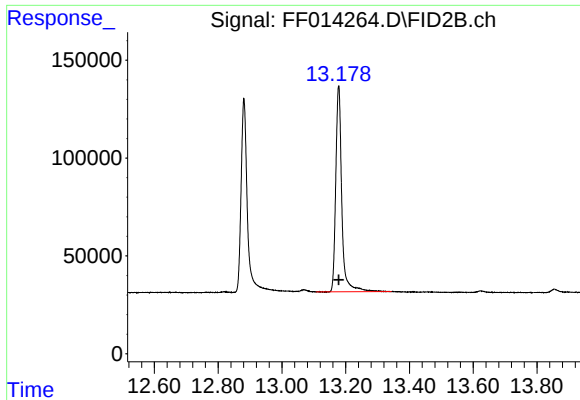
#11 ortho-Terphenyl (SURR)

R.T.: 11.834 min
Delta R.T.: 0.000 min
Response: 1622421
Conc: 11.92 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.881 min
Delta R.T.: 0.000 min
Response: 1353268
Conc: 11.59 ug/ml



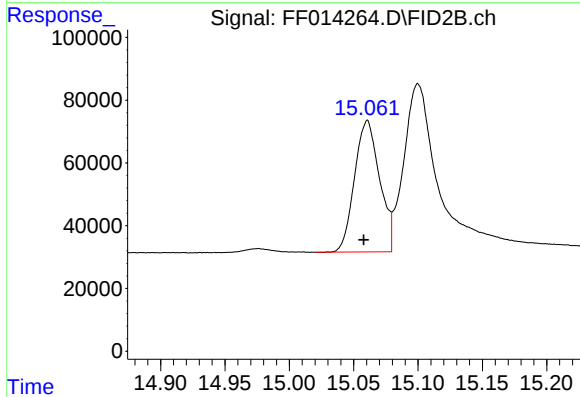
#13 Pyrene (C20.8)

R.T.: 13.178 min
Delta R.T.: 0.000 min
Response: 1387932
Conc: 11.78 ug/ml

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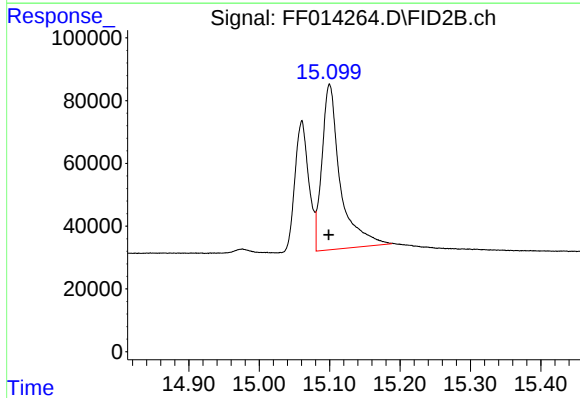
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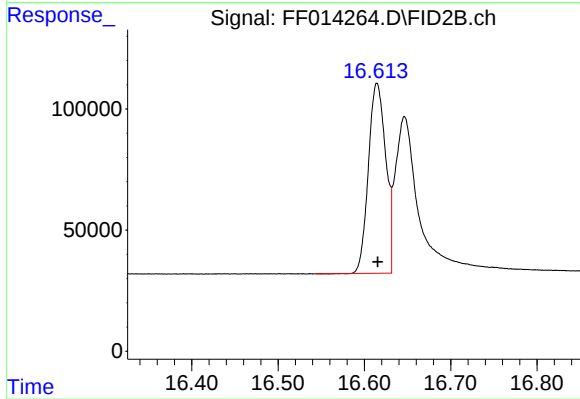
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.060 min
Delta R.T.: 0.003 min
Response: 565898
Conc: 10.10 ug/ml



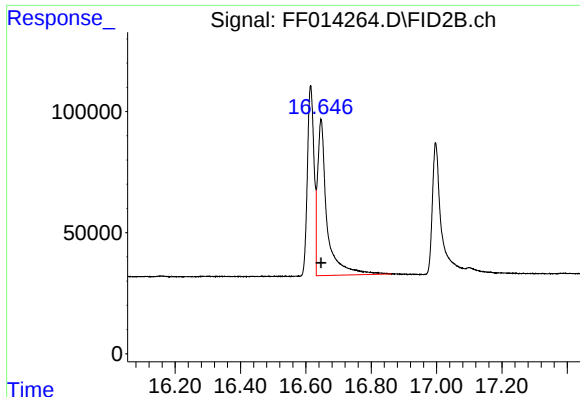
#15 Chrysene (C27.41)

R.T.: 15.099 min
Delta R.T.: 0.000 min
Response: 951760
Conc: 11.99 ug/ml m



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

R.T.: 16.615 min
Delta R.T.: 0.000 min
Response: 1094400
Conc: 10.28 ug/ml



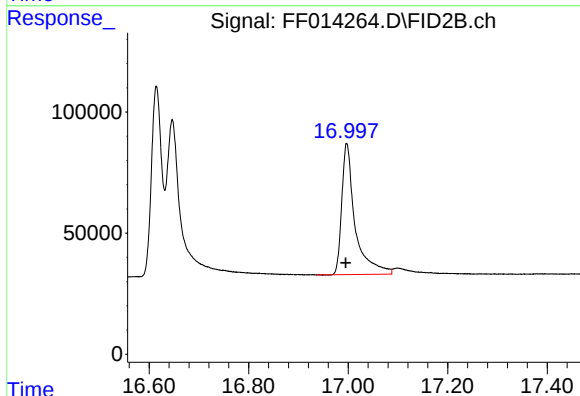
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.647 min
Delta R.T.: 0.000 min
Response: 1303487
Conc: 13.55 ug/ml

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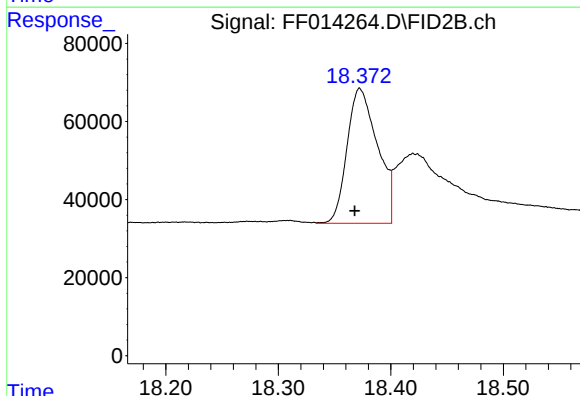
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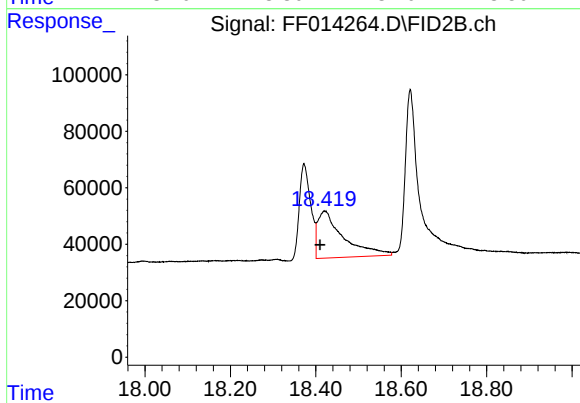
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.997 min
Delta R.T.: 0.002 min
Response: 1006325
Conc: 10.71 ug/ml



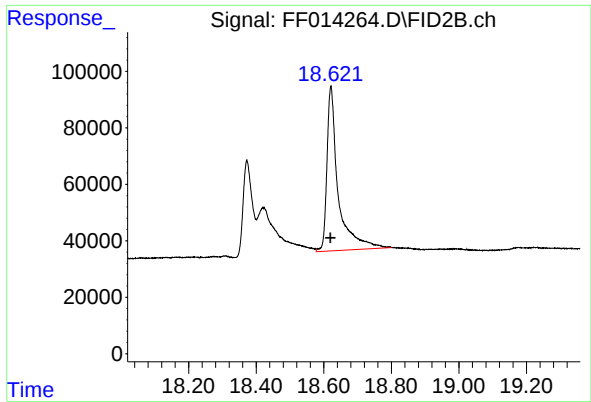
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.372 min
Delta R.T.: 0.004 min
Response: 650467
Conc: 8.31 ug/ml m



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

R.T.: 18.421 min
Delta R.T.: 0.011 min
Response: 692585
Conc: 11.85 ug/ml



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

R.T.: 18.621 min
Delta R.T.: 0.002 min
Response: 1352684
Conc: 11.00 ug/ml

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