

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082124AR\
 Data File : FF014452.D
 Signal(s) : FID2B.ch
 Acq On : 21 Aug 2024 10:43
 Operator : YP\AJ
 Sample : P3390-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2024
 Supervised By :Ankita Jodhani 08/22/2024

Integration File: autoint1.e
 Quant Time: Aug 22 03:08:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 082024.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 20 15:55:53 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...	7.875	5938807	53.038 ug/ml
Spiked Amount 50.000		Recovery =	106.08%
6) S 2-Fluorobiphenyl (SURR)	8.745	3567863	53.293 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	106.59%
11) S ortho-Terphenyl (SURR)	11.808	6620409	45.952 ug/ml
Spiked Amount 50.000		Recovery =	91.90%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.489	380767	2.858 ug/ml
2) T Naphthalene (C11.7)	6.157	393699	2.957 ug/ml
3) T 2-Methylnaphthalene (...)	7.252	413746	3.099 ug/mlm
5) T Acenaphthylene (C15.06)	8.546	448328	3.347 ug/ml
7) T Acenaphthene (C15.5)	8.843	623693	4.371 ug/ml
8) T Flouorene (C16.55)	9.637	400686	3.090 ug/mlm
9) T Phenanthrene (C19.36)	11.041	350960	2.755 ug/ml
10) T Anthracene (C19.43)	11.119	326880	2.450 ug/ml
12) T Fluoranthene (C21.85)	12.858	448838	3.267 ug/ml
13) T Pyrene (C20.8)	13.153	451369	3.259 ug/ml
14) T Benzo[a]anthracene (C...	15.044	241710	2.150 ug/ml
15) T Chrysene (C27.41)	15.082	617775	3.955 ug/ml
16) T benzo[b]fluoranthene ...	16.598	258422	2.196 ug/ml
17) T Bnezo[k]fluoranthene ...	16.631	559335	3.856 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.987	311424	2.465 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.382	235131	2.813 ug/mlm
20) T Dibenz[a,h]anthracene...	18.424	271679	1.966 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.603	279087	2.275 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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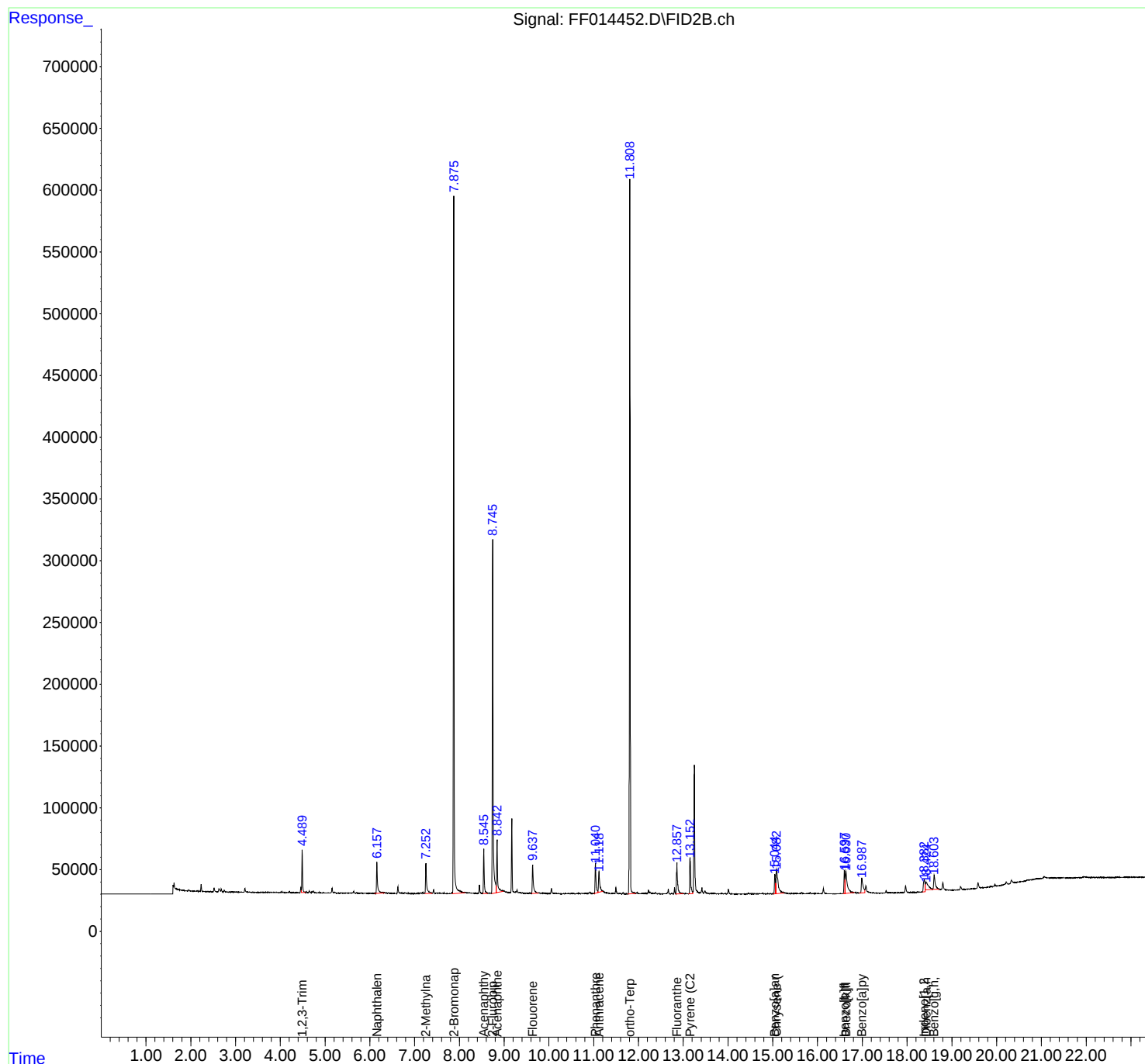
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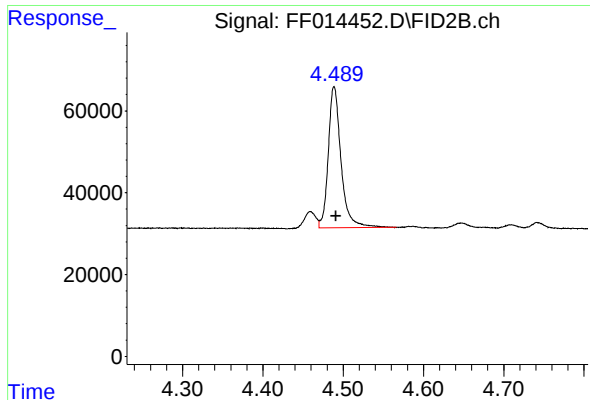
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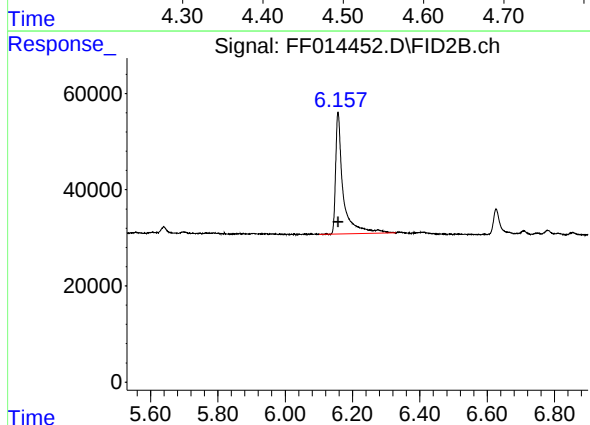
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.489 min
Delta R.T.: -0.002 min
Response: 380767
Conc: 2.86 ug/ml

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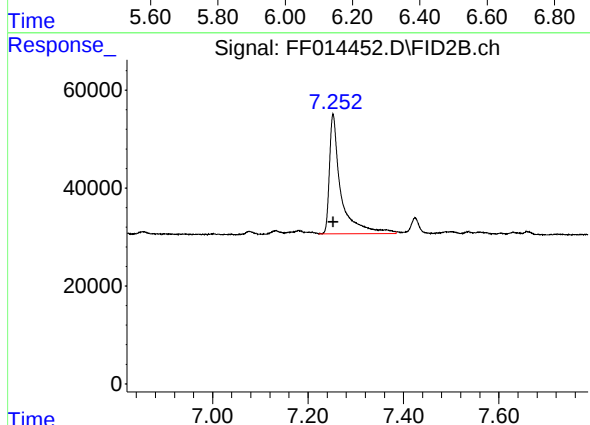
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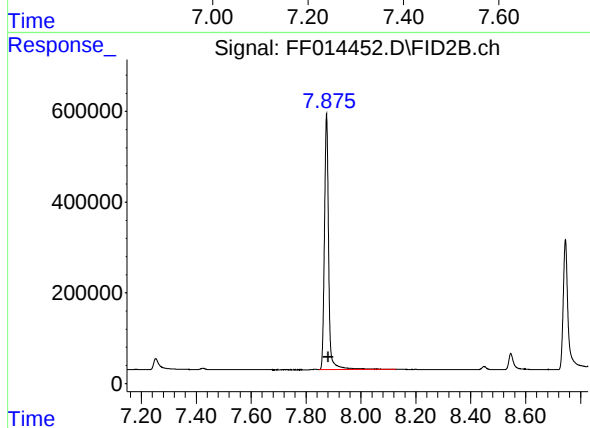
#2 Naphthalene (C11.7)

R.T.: 6.157 min
Delta R.T.: 0.000 min
Response: 393699
Conc: 2.96 ug/ml



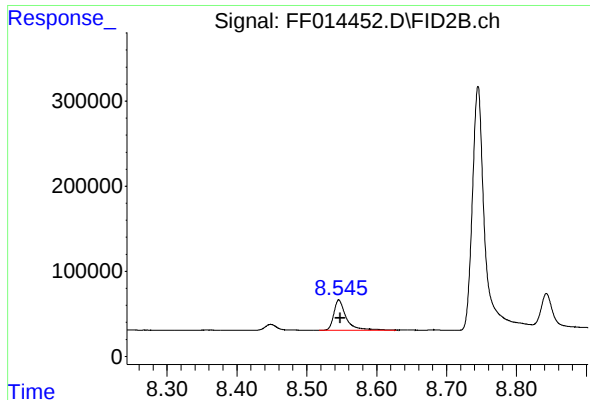
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.252 min
Delta R.T.: 0.000 min
Response: 413746
Conc: 3.10 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.875 min
Delta R.T.: -0.007 min
Response: 5938807
Conc: 53.04 ug/ml



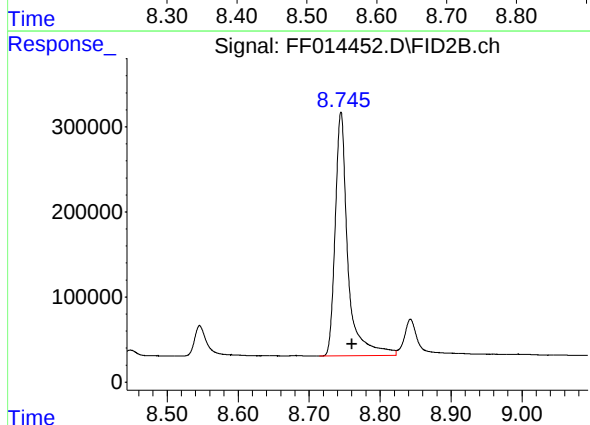
#5 Acenaphthylene (C15.06)

R.T.: 8.546 min
Delta R.T.: -0.002 min
Response: 448328
Conc: 3.35 ug/ml

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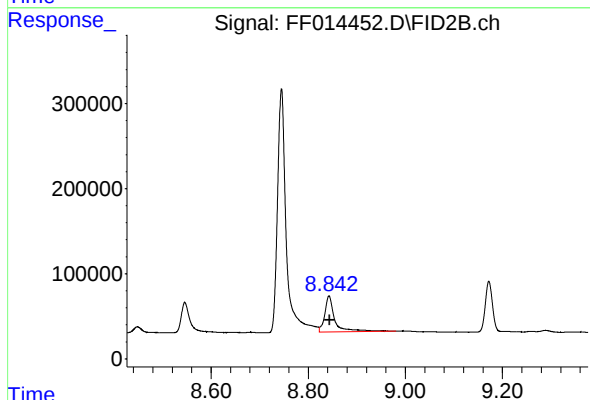
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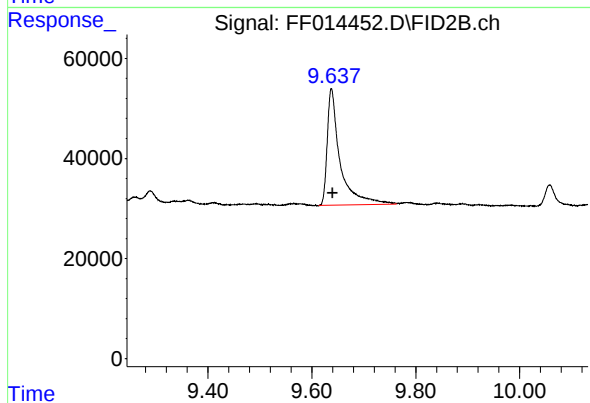
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.745 min
Delta R.T.: -0.016 min
Response: 3567863
Conc: 53.29 ug/ml



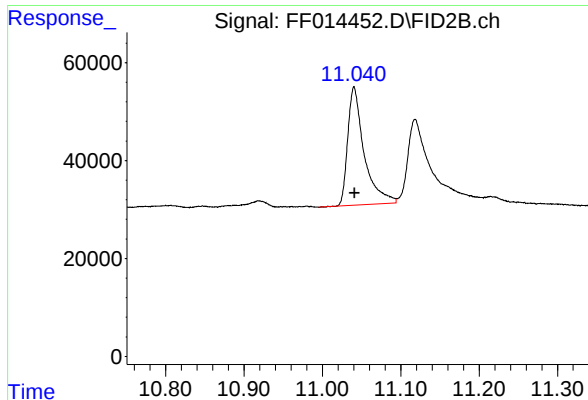
#7 Acenaphthene (C15.5)

R.T.: 8.843 min
Delta R.T.: -0.001 min
Response: 623693
Conc: 4.37 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.637 min
Delta R.T.: -0.003 min
Response: 400686
Conc: 3.09 ug/ml m



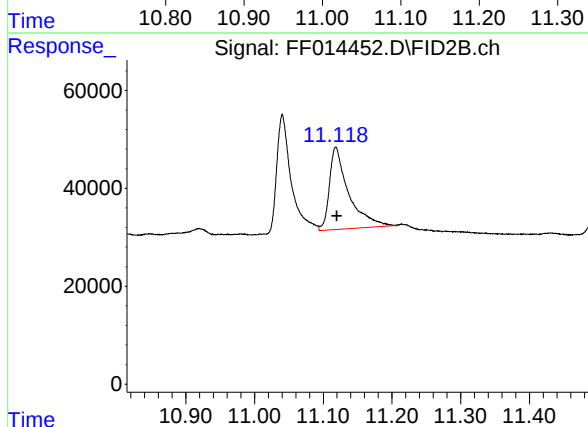
#9 Phenanthrene (C19.36)

R.T.: 11.041 min
Delta R.T.: 0.000 min
Response: 350960
Conc: 2.75 ug/ml

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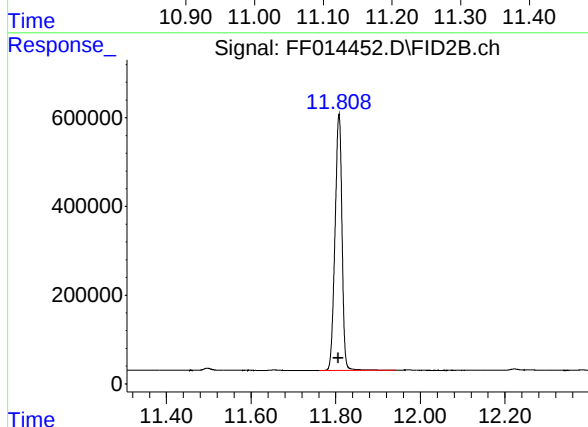
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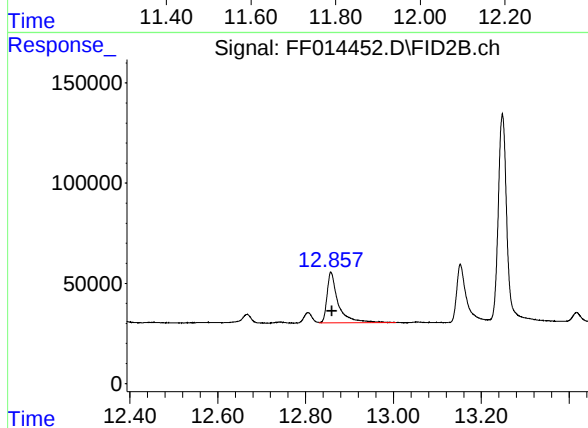
#10 Anthracene (C19.43)

R.T.: 11.119 min
Delta R.T.: -0.001 min
Response: 326880
Conc: 2.45 ug/ml



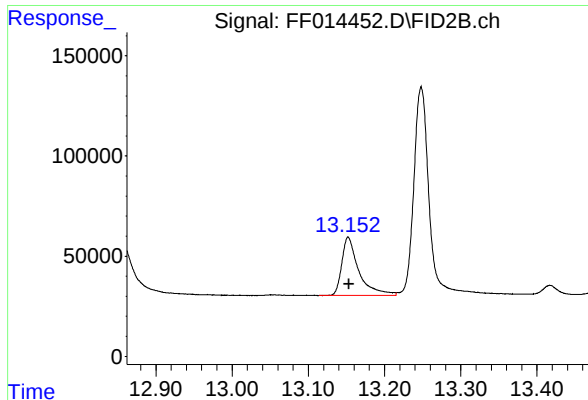
#11 ortho-Terphenyl (SURR)

R.T.: 11.808 min
Delta R.T.: 0.002 min
Response: 6620409
Conc: 45.95 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.858 min
Delta R.T.: -0.002 min
Response: 448838
Conc: 3.27 ug/ml



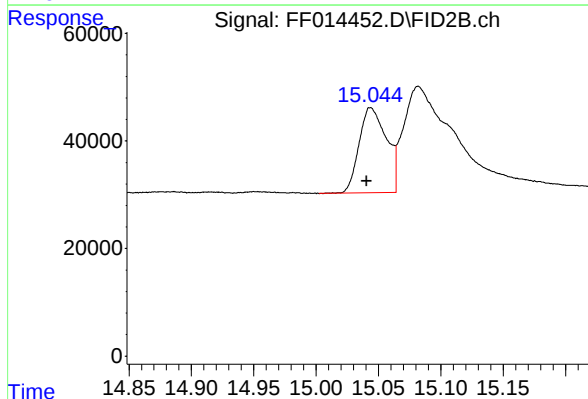
#13 Pyrene (C20.8)

R.T.: 13.153 min
Delta R.T.: 0.000 min
Response: 451369
Conc: 3.26 ug/ml

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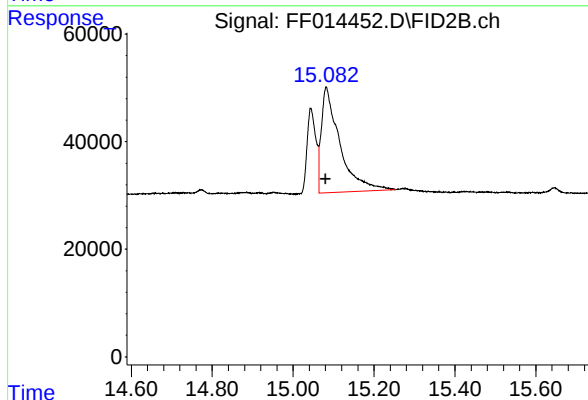
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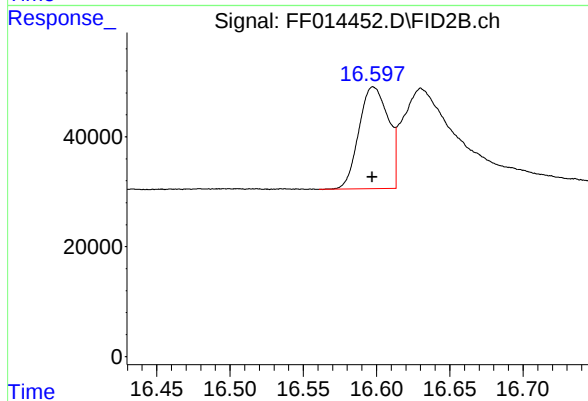
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.044 min
Delta R.T.: 0.004 min
Response: 241710
Conc: 2.15 ug/ml



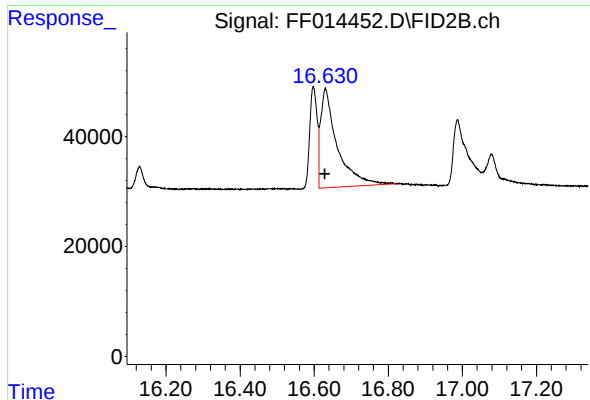
#15 Chrysene (C27.41)

R.T.: 15.082 min
Delta R.T.: 0.001 min
Response: 617775
Conc: 3.95 ug/ml



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

R.T.: 16.598 min
Delta R.T.: 0.001 min
Response: 258422
Conc: 2.20 ug/ml



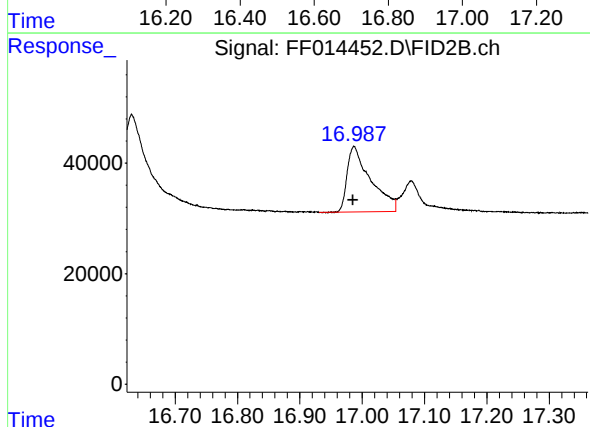
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.631 min
Delta R.T.: 0.001 min
Response: 559335
Conc: 3.86 ug/ml

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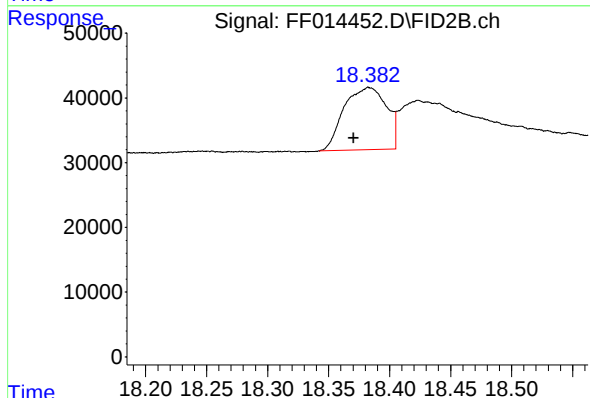
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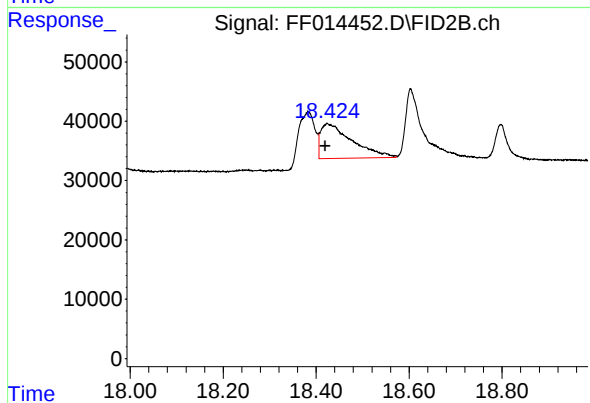
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.987 min
Delta R.T.: 0.002 min
Response: 311424
Conc: 2.47 ug/ml



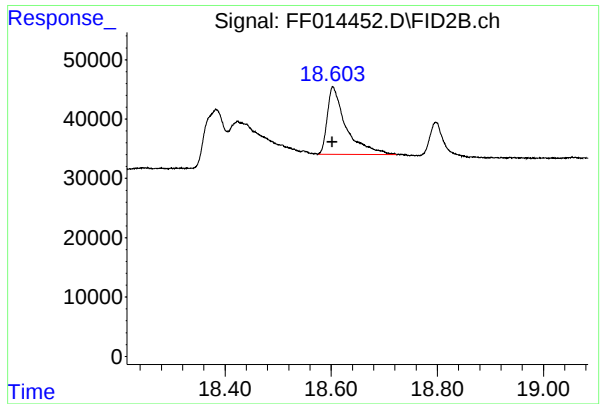
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.382 min
Delta R.T.: 0.011 min
Response: 235131
Conc: 2.81 ug/ml m



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

R.T.: 18.424 min
Delta R.T.: 0.005 min
Response: 271679
Conc: 1.97 ug/ml m



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

R.T.: 18.603 min
Delta R.T.: 0.001 min
Response: 279087
Conc: 2.27 ug/ml

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