

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082124AR\
 Data File : FF014455.D
 Signal(s) : FID2B.ch
 Acq On : 21 Aug 2024 12:11
 Operator : YP\AJ
 Sample : P3390-07
 Misc : 4 PPM WATER LOD
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOD-MDL-WATER-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 03:08:52 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...	7.874	4661212	41.628 ug/ml
Spiked Amount 50.000		Recovery =	83.26%
6) S 2-Fluorobiphenyl (SURR)	8.745	2788235	41.647 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	83.29%
11) S ortho-Terphenyl (SURR)	11.807	5263982	36.537 ug/ml
Spiked Amount 50.000		Recovery =	73.07%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.490	303222	2.276 ug/ml
2) T Naphthalene (C11.7)	6.158	297748	2.236 ug/mlm
3) T 2-Methylnaphthalene (...)	7.254	320702	2.402 ug/mlm
5) T Acenaphthylene (C15.06)	8.547	347475	2.594 ug/ml
7) T Acenaphthene (C15.5)	8.844	515556	3.613 ug/ml
8) T Flouorene (C16.55)	9.640	310419	2.394 ug/ml
9) T Phenanthrene (C19.36)	11.043	268068	2.104 ug/ml
10) T Anthracene (C19.43)	11.122	241602	1.811 ug/ml
12) T Fluoranthene (C21.85)	12.861	351382	2.557 ug/ml
13) T Pyrene (C20.8)	13.154	349031	2.520 ug/mlm
14) T Benzo[a]anthracene (C...	15.053	151284	1.345 ug/mlm
15) T Chrysene (C27.41)	15.092	491639	3.147 ug/ml
16) T benzo[b]fluoranthene ...	16.606	175030	1.488 ug/ml
17) T Bnezo[k]fluoranthene ...	16.639	451666	3.114 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.997	212825	1.685 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.384	135285	1.618 ug/mlm
20) T Dibenz[a,h]anthracene...	18.442	181106	1.311 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.611	205101	1.672 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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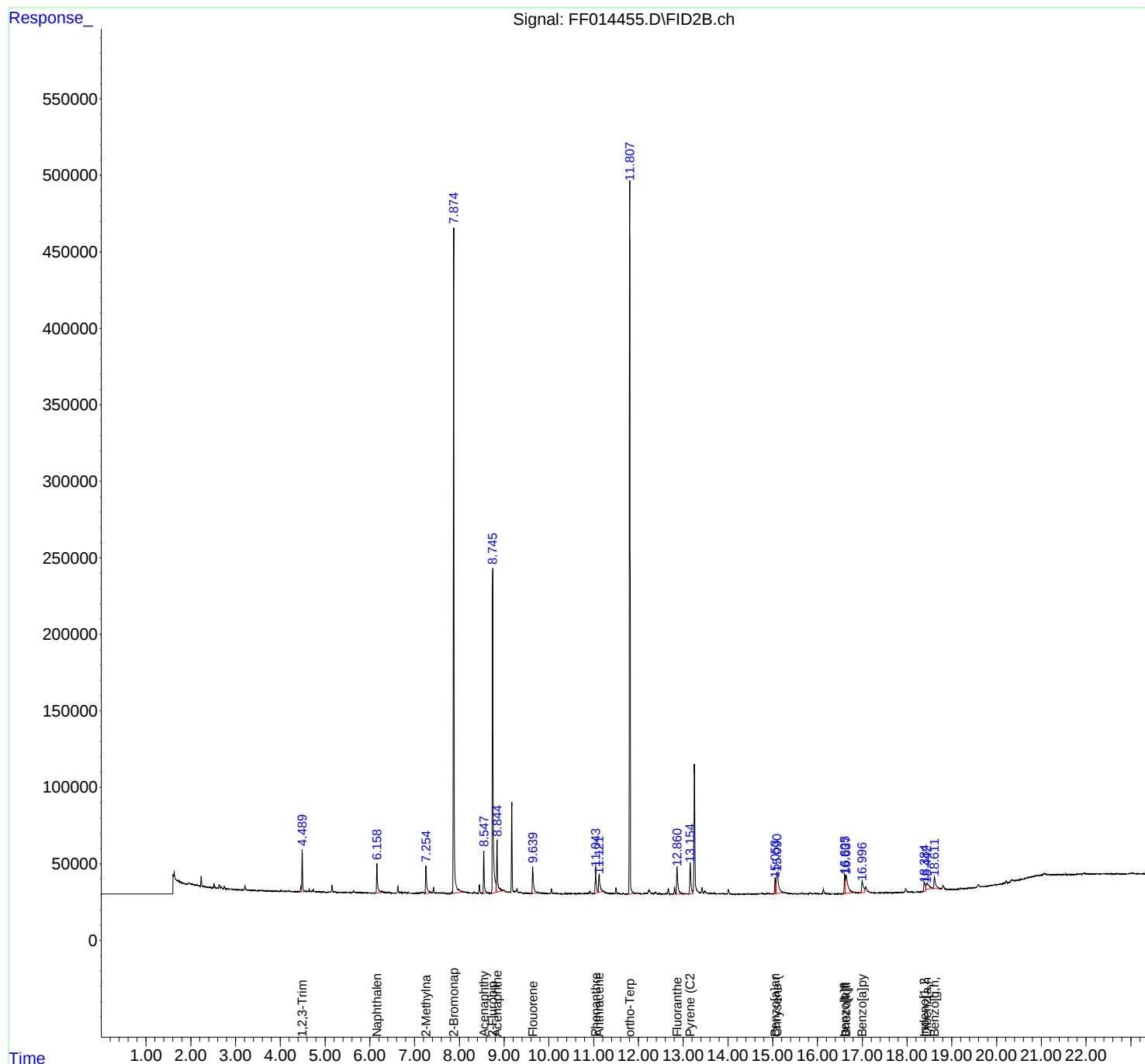
Instrument :
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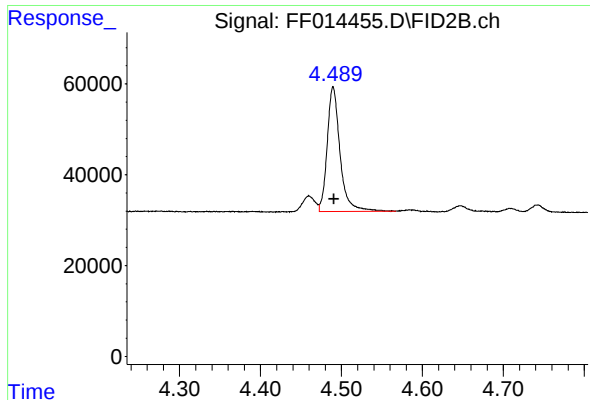
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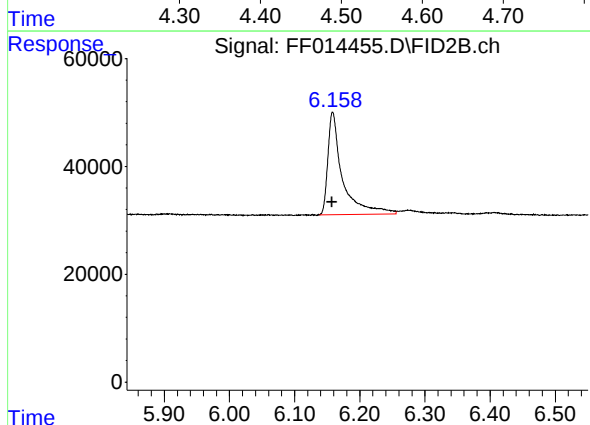
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.490 min
Delta R.T.: -0.001 min
Response: 303222
Conc: 2.28 ug/ml

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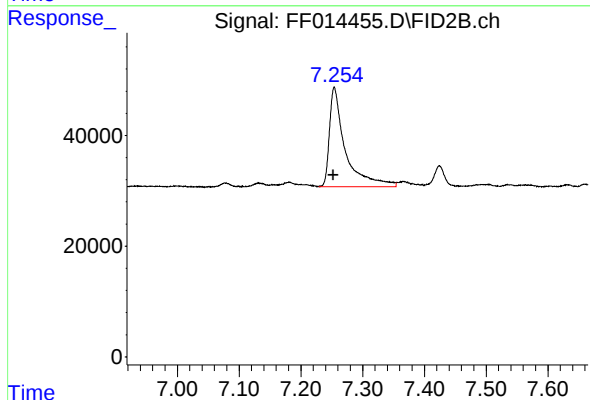
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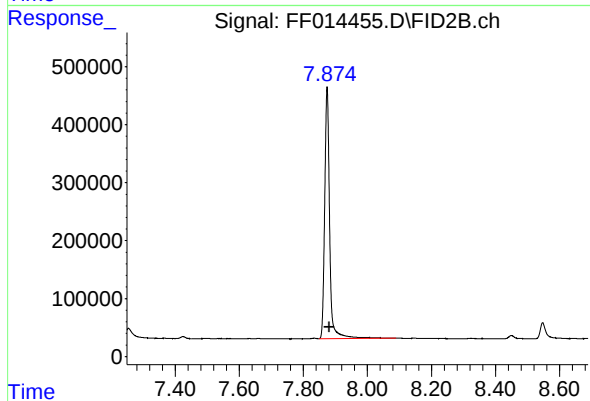
#2 Naphthalene (C11.7)

R.T.: 6.158 min
Delta R.T.: 0.000 min
Response: 297748
Conc: 2.24 ug/ml m



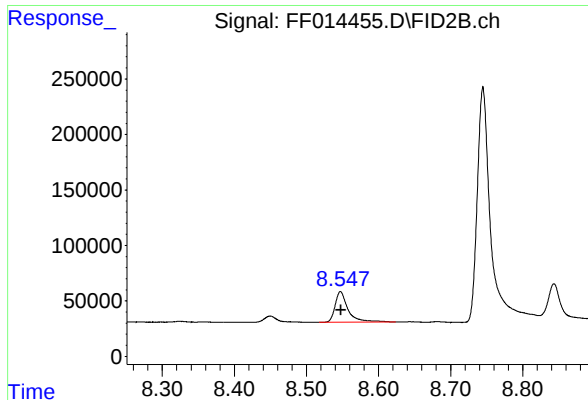
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.254 min
Delta R.T.: 0.001 min
Response: 320702
Conc: 2.40 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.874 min
Delta R.T.: -0.007 min
Response: 4661212
Conc: 41.63 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.547 min
Delta R.T.: 0.000 min
Response: 347475
Conc: 2.59 ug/ml

Instrument :

FID_F

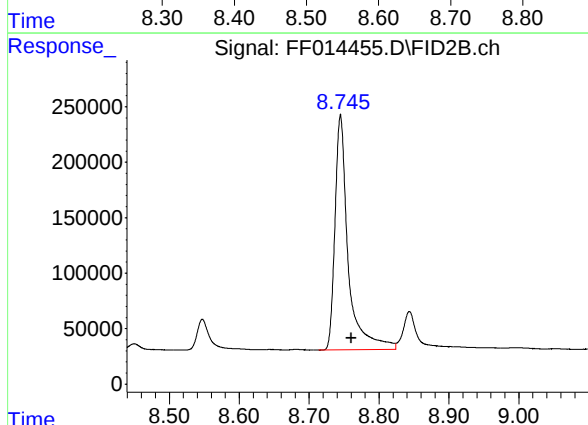
ClientSampleId :

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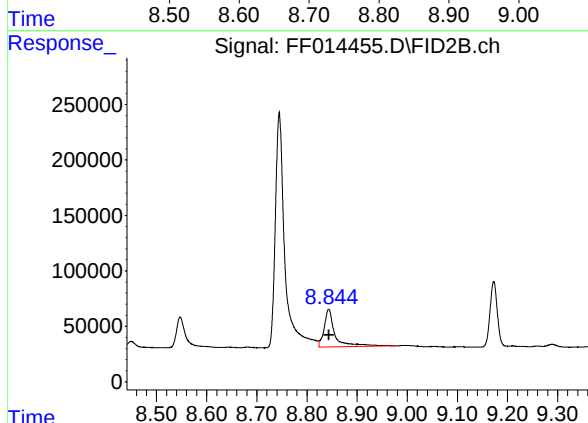
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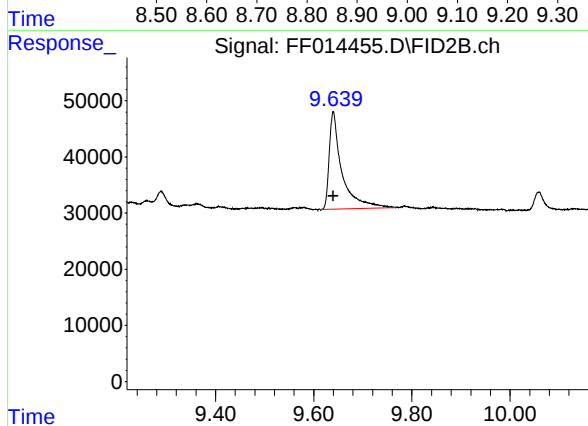
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.745 min
Delta R.T.: -0.016 min
Response: 2788235
Conc: 41.65 ug/ml



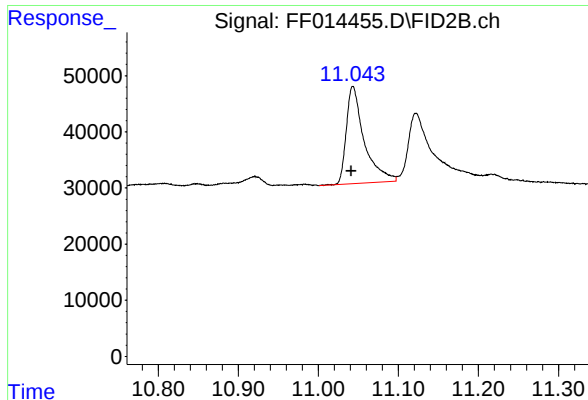
#7 Acenaphthene (C15.5)

R.T.: 8.844 min
Delta R.T.: 0.000 min
Response: 515556
Conc: 3.61 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.640 min
Delta R.T.: 0.000 min
Response: 310419
Conc: 2.39 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.043 min
Delta R.T.: 0.002 min
Response: 268068
Conc: 2.10 ug/ml

Instrument :

FID_F

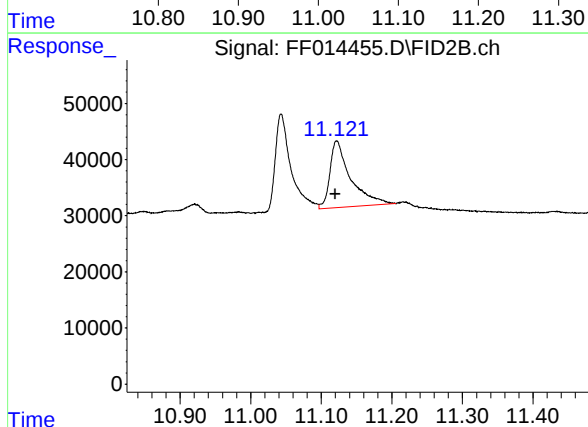
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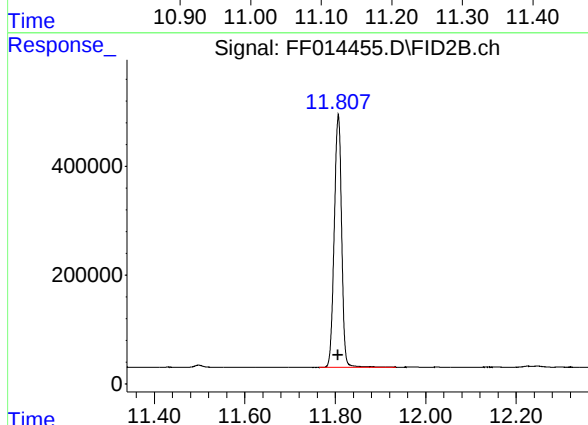
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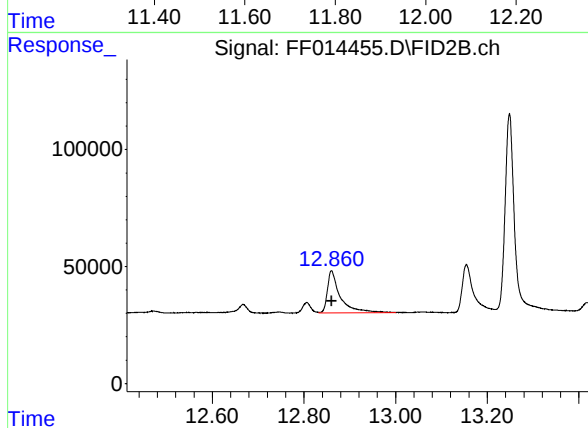
#10 Anthracene (C19.43)

R.T.: 11.122 min
Delta R.T.: 0.002 min
Response: 241602
Conc: 1.81 ug/ml



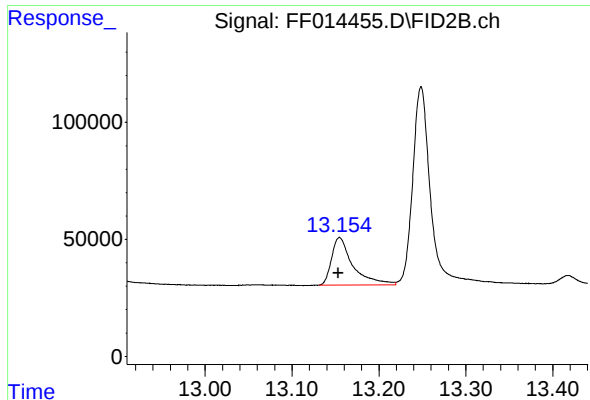
#11 ortho-Terphenyl (SURR)

R.T.: 11.807 min
Delta R.T.: 0.000 min
Response: 5263982
Conc: 36.54 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.861 min
Delta R.T.: 0.000 min
Response: 351382
Conc: 2.56 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.154 min
Delta R.T.: 0.000 min
Response: 349031
Conc: 2.52 ug/ml

Instrument :

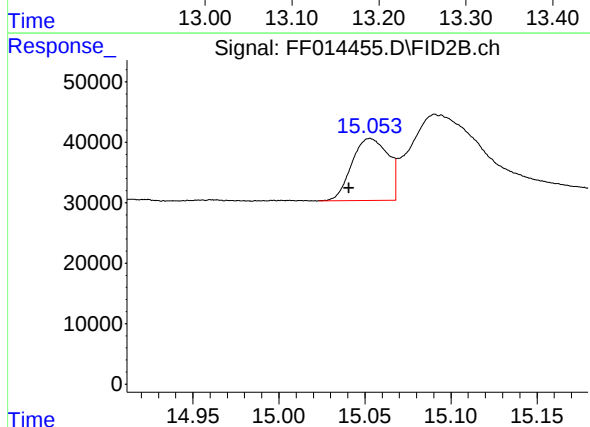
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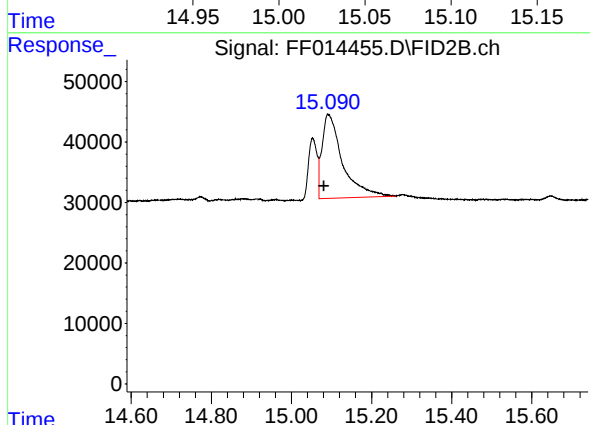
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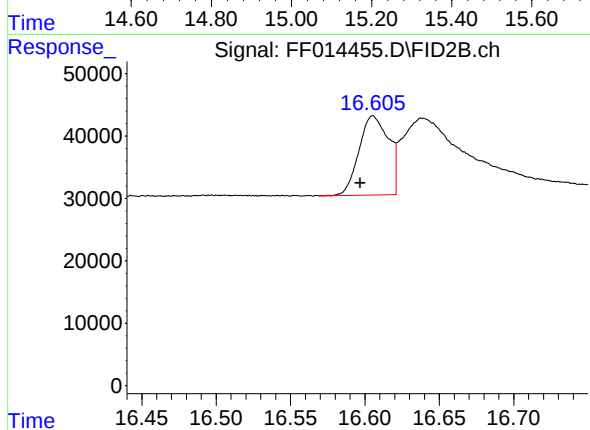
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.053 min
Delta R.T.: 0.012 min
Response: 151284
Conc: 1.35 ug/ml m



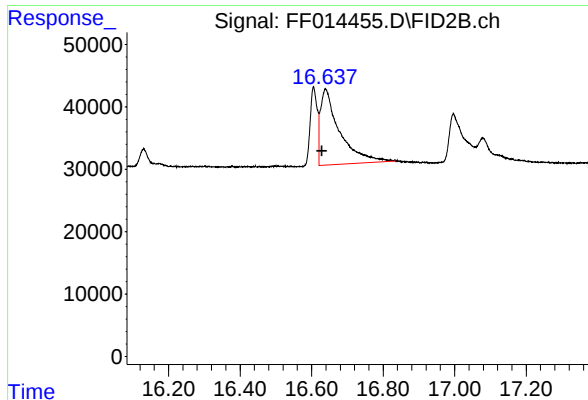
#15 Chrysene (C27.41)

R.T.: 15.092 min
Delta R.T.: 0.011 min
Response: 491639
Conc: 3.15 ug/ml



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

R.T.: 16.606 min
Delta R.T.: 0.009 min
Response: 175030
Conc: 1.49 ug/ml



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

R.T.: 16.639 min
Delta R.T.: 0.010 min
Response: 451666
Conc: 3.11 ug/ml

Instrument :

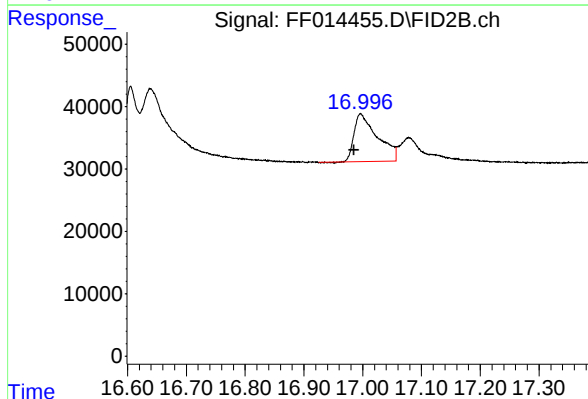
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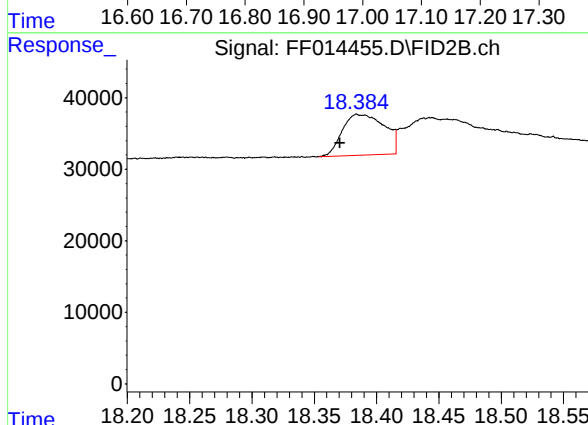
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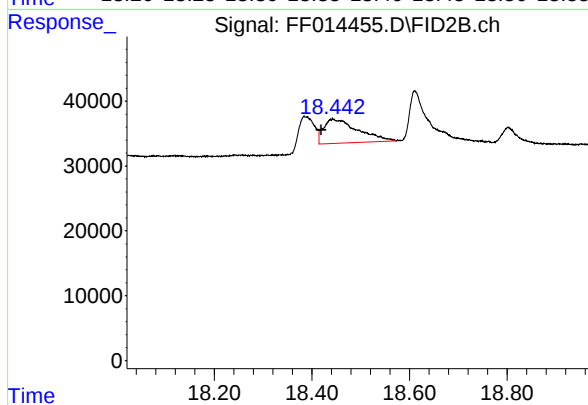
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.997 min
Delta R.T.: 0.011 min
Response: 212825
Conc: 1.68 ug/ml



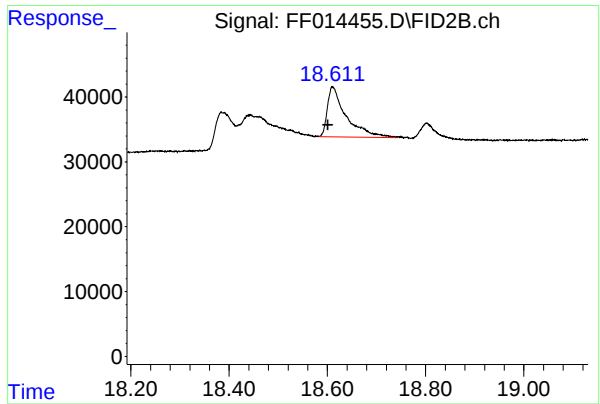
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.384 min
Delta R.T.: 0.013 min
Response: 135285
Conc: 1.62 ug/ml m



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

R.T.: 18.442 min
Delta R.T.: 0.023 min
Response: 181106
Conc: 1.31 ug/ml m



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

R.T.: 18.611 min
Delta R.T.: 0.009 min
Response: 205101
Conc: 1.67 ug/ml

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