

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG080724AR\
 Data File : FG014083.D
 Signal(s) : FID1A.ch
 Acq On : 07 Aug 2024 12:59
 Operator : YP\AJ
 Sample : P3390-02
 Misc : 5 PPM SOIL LOQ
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Aug 08 04:43:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 080624.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 06 17:31:37 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...	7.894	7070925	63.027 ug/ml
Spiked Amount 50.000		Recovery =	126.05%
6) S 2-Fluorobiphenyl (SURR)	8.766	4598852	61.239 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	122.48%
11) S ortho-Terphenyl (SURR)	11.837	7147059	54.028 ug/ml
Spiked Amount 50.000		Recovery =	108.06%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.495	454330	3.517 ug/ml
2) T Naphthalene (C11.7)	6.166	485323	3.649 ug/ml
3) T 2-Methylnaphthalene (...)	7.264	503106	3.803 ug/ml
5) T Acenaphthylene (C15.06)	8.564	518675	3.919 ug/ml
7) T Acenaphthene (C15.5)	8.863	639821	4.730 ug/ml
8) T Fluorene (C16.55)	9.655	516288	4.016 ug/ml
9) T Phenanthrene (C19.36)	11.061	473064	3.795 ug/ml
10) T Anthracene (C19.43)	11.137	469022	3.729 ug/ml
12) T Fluoranthene (C21.85)	12.883	542559	4.252 ug/ml
13) T Pyrene (C20.8)	13.181	539299	4.241 ug/ml
14) T Benzo[a]anthracene (C...	15.065	472729	4.057 ug/ml
15) T Chrysene (C27.41)	15.106	700140	5.134 ug/ml
16) T benzo[b]fluoranthene ...	16.624	496648	4.017 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.654	609839	4.562 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.008	493723	3.915 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.382	397488	3.882 ug/ml
20) T Dibenz[a,h]anthracene...	18.423	677621	4.440 ug/ml
21) T Benzo[g,h,i]perylene ...	18.634	545177	3.927 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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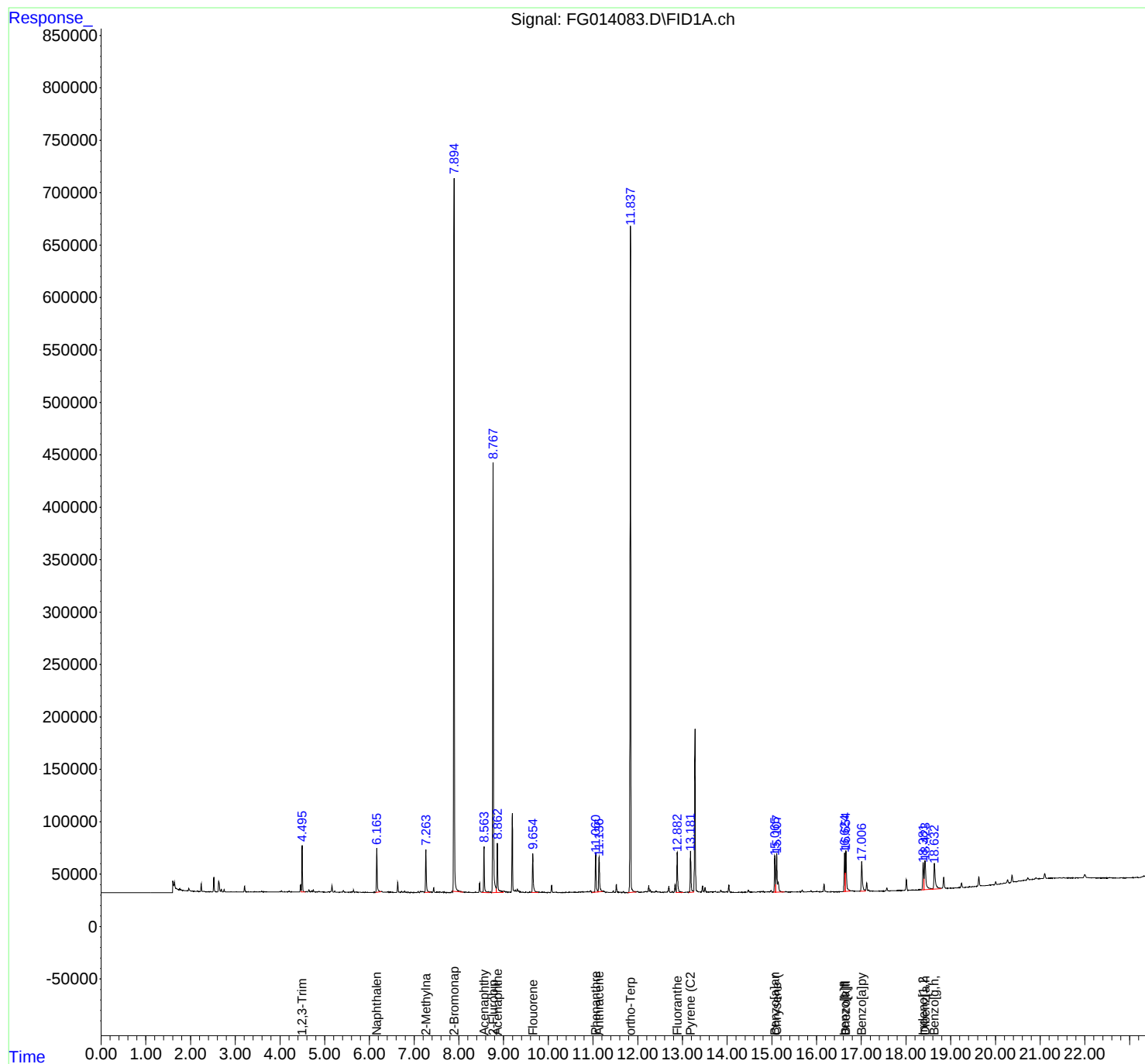
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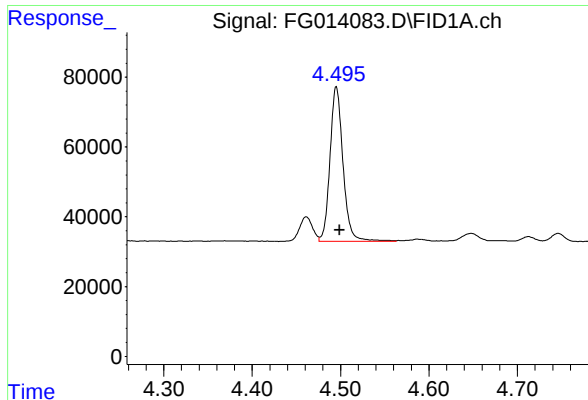
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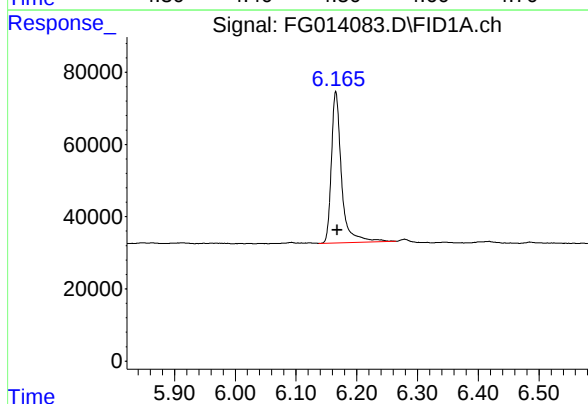
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.495 min
Delta R.T.: -0.004 min
Response: 454330
Conc: 3.52 ug/ml

Instrument :
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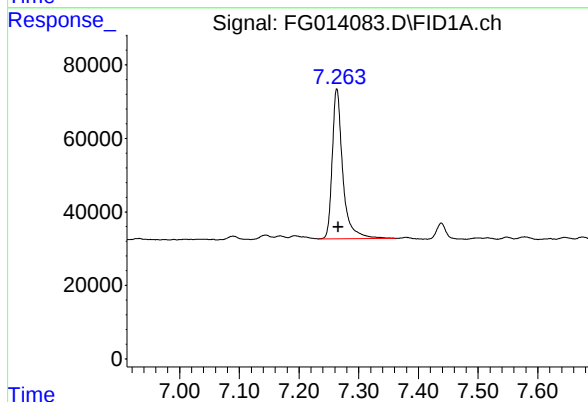
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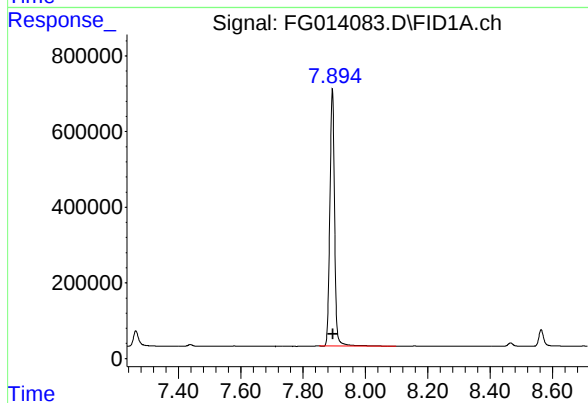
#2 Naphthalene (C11.7)

R.T.: 6.166 min
Delta R.T.: -0.002 min
Response: 485323
Conc: 3.65 ug/ml



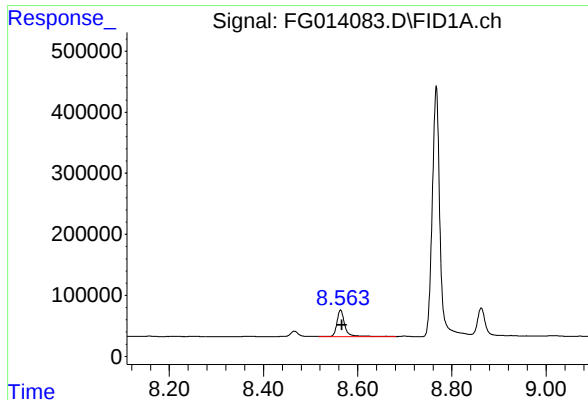
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.264 min
Delta R.T.: -0.002 min
Response: 503106
Conc: 3.80 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.894 min
Delta R.T.: -0.001 min
Response: 7070925
Conc: 63.03 ug/ml



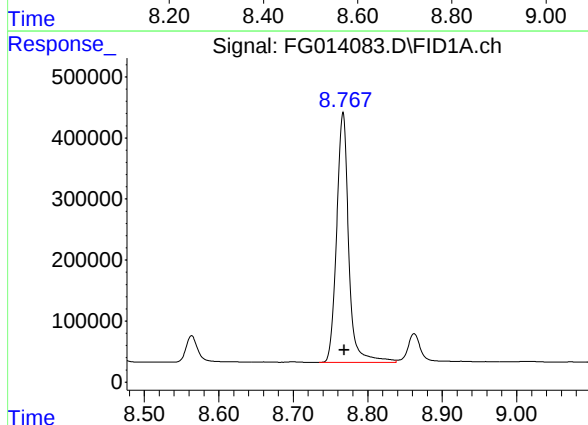
#5 Acenaphthylene (C15.06)

R.T.: 8.564 min
Delta R.T.: -0.003 min
Response: 518675
Conc: 3.92 ug/ml

Instrument :
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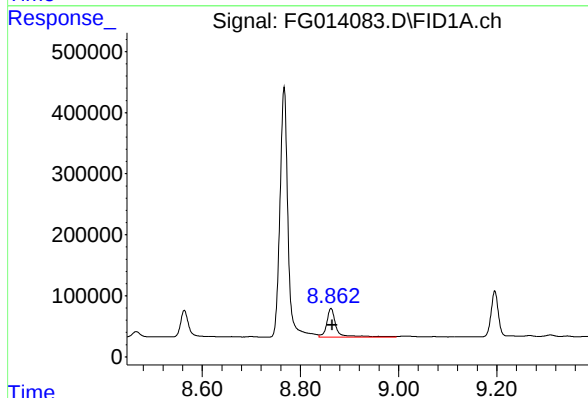
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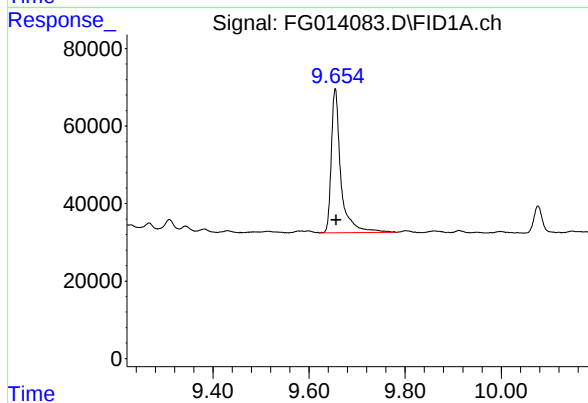
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.766 min
Delta R.T.: -0.002 min
Response: 4598852
Conc: 61.24 ug/ml



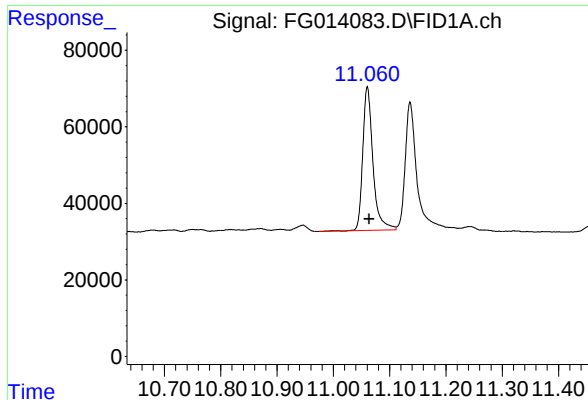
#7 Acenaphthene (C15.5)

R.T.: 8.863 min
Delta R.T.: -0.002 min
Response: 639821
Conc: 4.73 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.655 min
Delta R.T.: -0.002 min
Response: 516288
Conc: 4.02 ug/ml



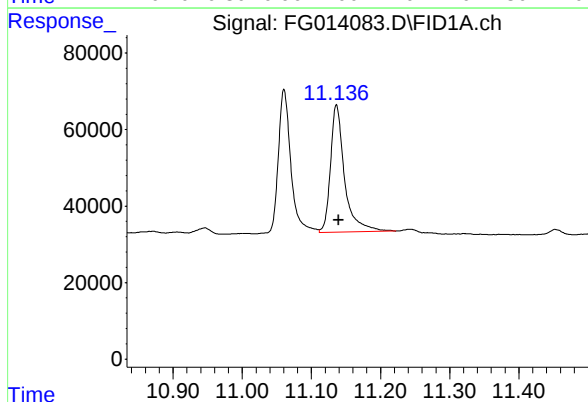
#9 Phenanthrene (C19.36)

R.T.: 11.061 min
Delta R.T.: -0.003 min
Response: 473064
Conc: 3.80 ug/ml

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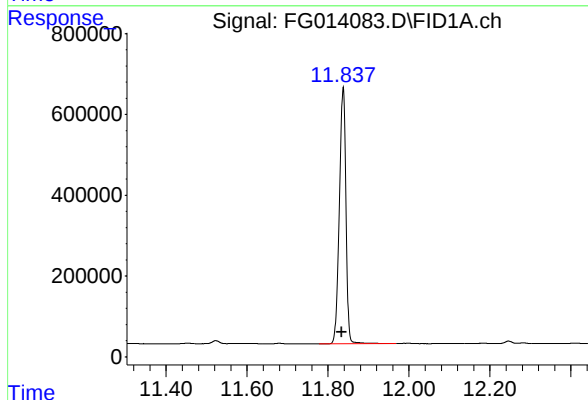
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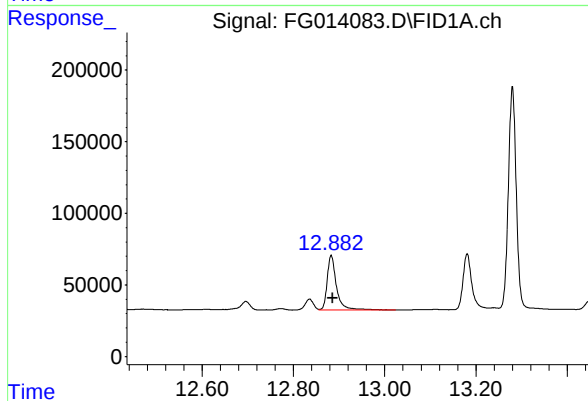
#10 Anthracene (C19.43)

R.T.: 11.137 min
Delta R.T.: -0.002 min
Response: 469022
Conc: 3.73 ug/ml



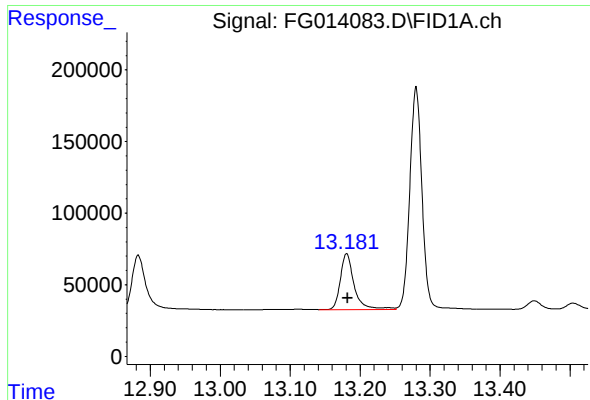
#11 ortho-Terphenyl (SURRE)

R.T.: 11.837 min
Delta R.T.: 0.002 min
Response: 7147059
Conc: 54.03 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.883 min
Delta R.T.: -0.002 min
Response: 542559
Conc: 4.25 ug/ml



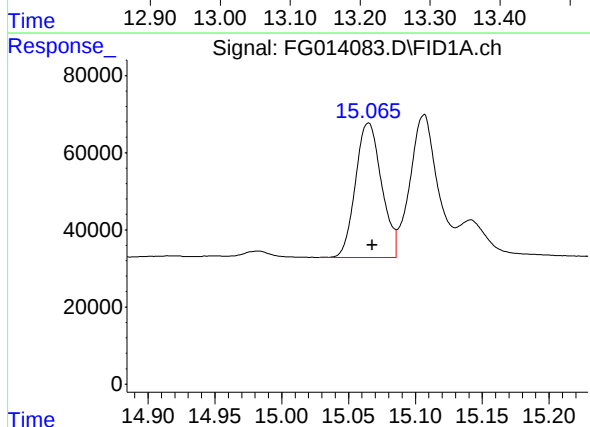
#13 Pyrene (C20.8)

R.T.: 13.181 min
Delta R.T.: -0.001 min
Response: 539299
Conc: 4.24 ug/ml

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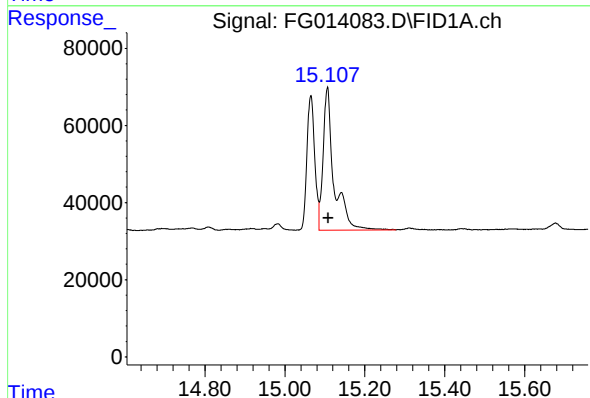
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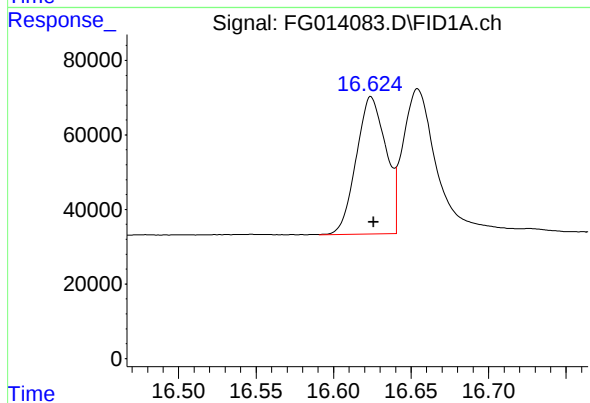
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.065 min
Delta R.T.: -0.003 min
Response: 472729
Conc: 4.06 ug/ml



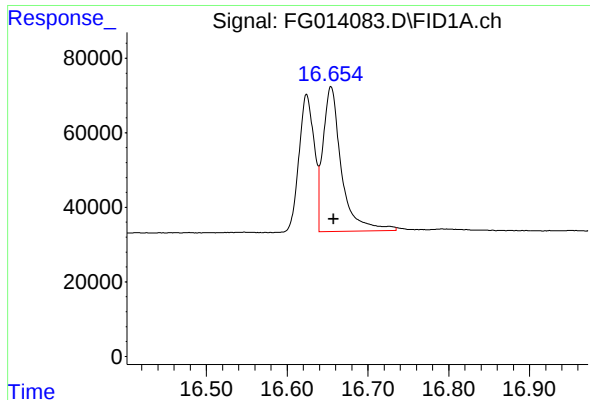
#15 Chrysene (C27.41)

R.T.: 15.106 min
Delta R.T.: -0.003 min
Response: 700140
Conc: 5.13 ug/ml



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

R.T.: 16.624 min
Delta R.T.: -0.002 min
Response: 496648
Conc: 4.02 ug/ml m



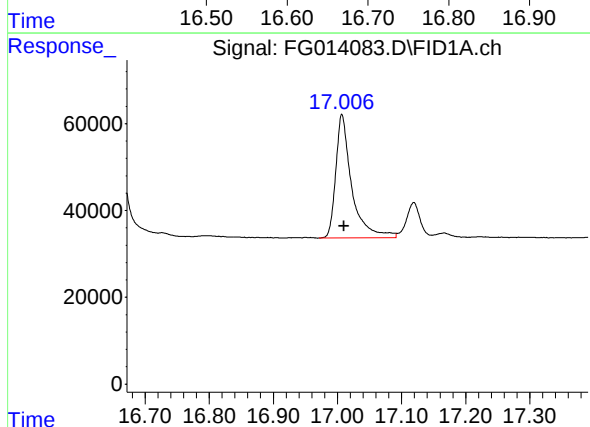
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.654 min
Delta R.T.: -0.004 min
Response: 609839
Conc: 4.56 ug/ml

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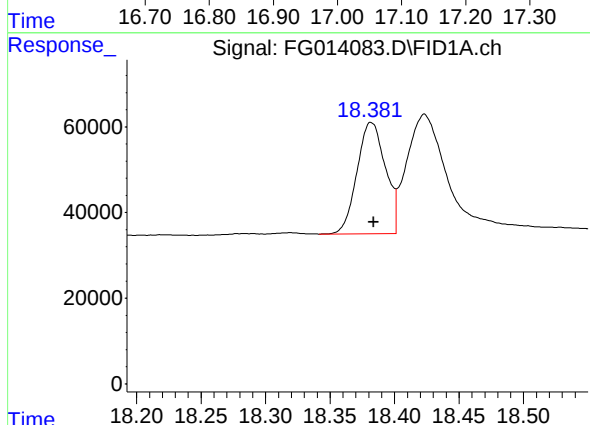
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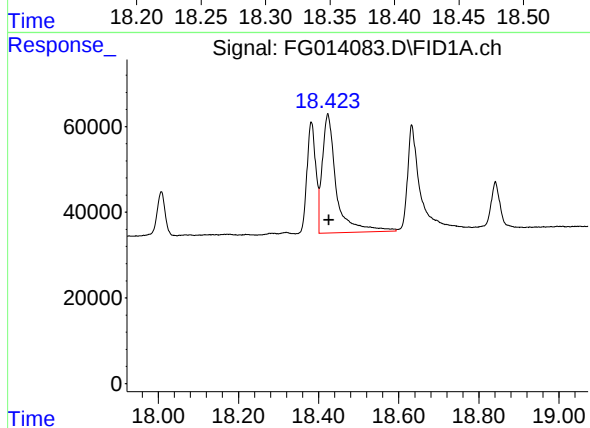
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.008 min
Delta R.T.: -0.002 min
Response: 493723
Conc: 3.91 ug/ml



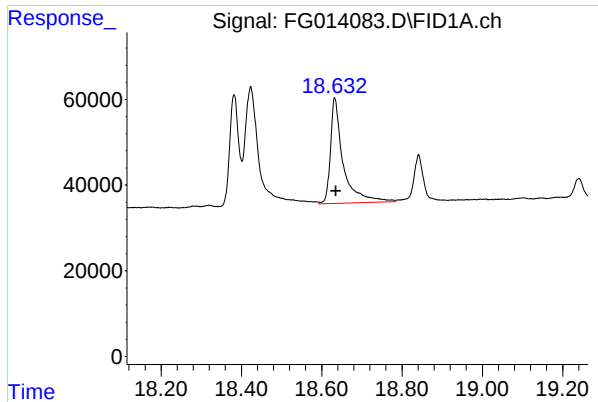
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.382 min
Delta R.T.: -0.002 min
Response: 397488
Conc: 3.88 ug/ml



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

R.T.: 18.423 min
Delta R.T.: -0.003 min
Response: 677621
Conc: 4.44 ug/ml



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

R.T.: 18.634 min
Delta R.T.: -0.002 min
Response: 545177
Conc: 3.93 ug/ml

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