

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091624AR\
 Data File : FG014246.D
 Signal(s) : FID1A.ch
 Acq On : 16 Sep 2024 10:44
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/17/2024
 Supervised By :Ankita Jodhani 09/17/2024

Integration File: autoint1.e
 Quant Time: Sep 17 04:51:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 04 11:28:29 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...	7.877	2410680	21.547 ug/ml
Spiked Amount 50.000		Recovery =	43.09%
6) S 2-Fluorobiphenyl (SURR)	8.750	1595297	21.911 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.82%
11) S ortho-Terphenyl (SURR)	11.817	2904375	21.546 ug/ml
Spiked Amount 50.000		Recovery =	43.09%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.481	2722615	21.148 ug/ml
2) T Naphthalene (C11.7)	6.149	2754593	21.837 ug/ml
3) T 2-Methylnaphthalene (...)	7.247	2872864	22.556 ug/ml
5) T Acenaphthylene (C15.06)	8.548	2786138	21.436 ug/ml
7) T Acenaphthene (C15.5)	8.847	2930433	21.160 ug/ml
8) T Fluorene (C16.55)	9.639	2814302	21.712 ug/ml
9) T Phenanthrene (C19.36)	11.047	2639787	21.842 ug/ml
10) T Anthracene (C19.43)	11.122	2893108	20.853 ug/ml
12) T Fluoranthene (C21.85)	12.870	2850949	21.991 ug/ml
13) T Pyrene (C20.8)	13.167	2875682	22.023 ug/ml
14) T Benzo[a]anthracene (C...	15.052	2511438	22.077 ug/mlm
15) T Chrysene (C27.41)	15.095	3045353	21.543 ug/ml
16) T benzo[b]fluoranthene ...	16.613	2598753	22.674 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.644	2897919	21.551 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.996	2694152	21.682 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.370	2075240	20.995 ug/mlm
20) T Dibenz[a,h]anthracene...	18.411	3423685	23.257 ug/ml
21) T Benzo[g,h,i]perylene ...	18.625	2905360	22.229 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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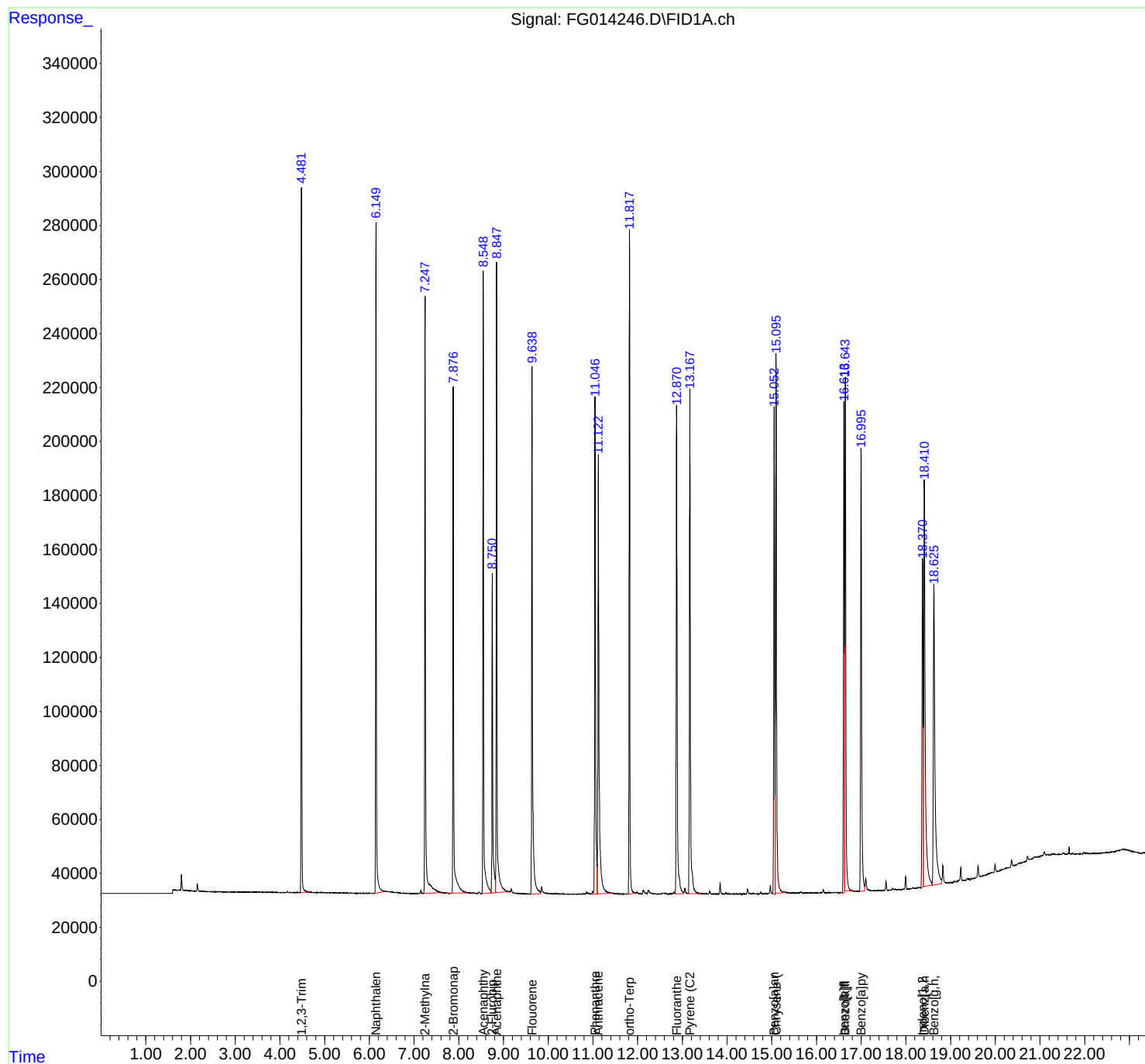
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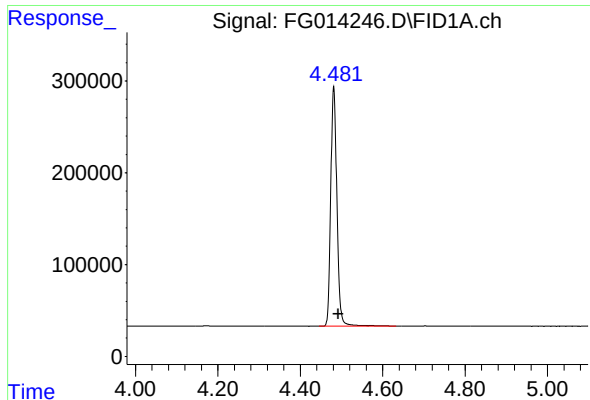
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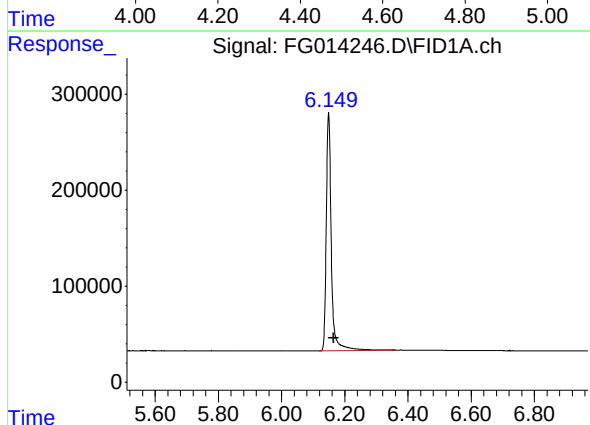
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.481 min
Delta R.T.: -0.011 min
Response: 2722615
Conc: 21.15 ug/ml

Instrument :
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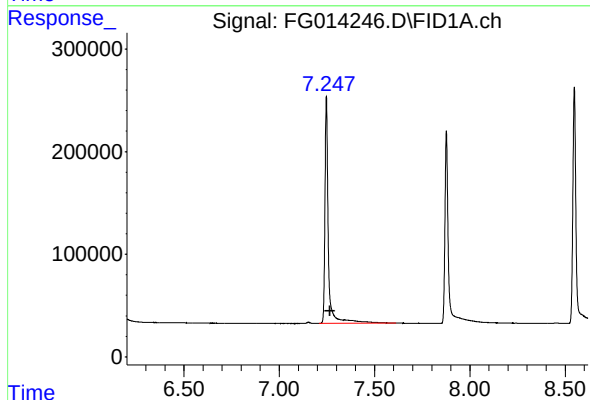
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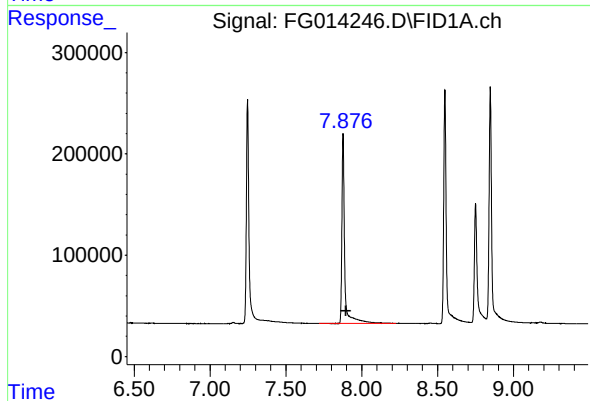
#2 Naphthalene (C11.7)

R.T.: 6.149 min
Delta R.T.: -0.015 min
Response: 2754593
Conc: 21.84 ug/ml



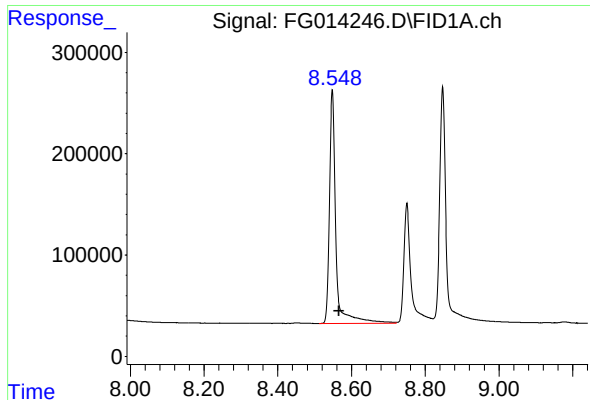
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.247 min
Delta R.T.: -0.019 min
Response: 2872864
Conc: 22.56 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.877 min
Delta R.T.: -0.019 min
Response: 2410680
Conc: 21.55 ug/ml



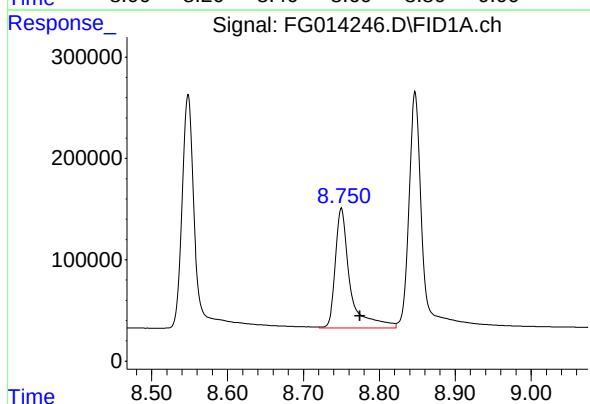
#5 Acenaphthylene (C15.06)

R.T.: 8.548 min
Delta R.T.: -0.018 min
Response: 2786138
Conc: 21.44 ug/ml

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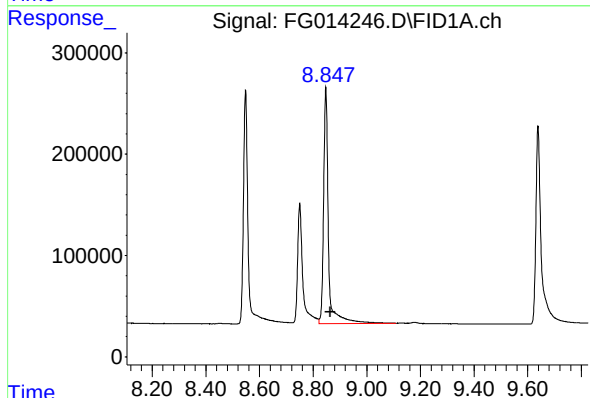
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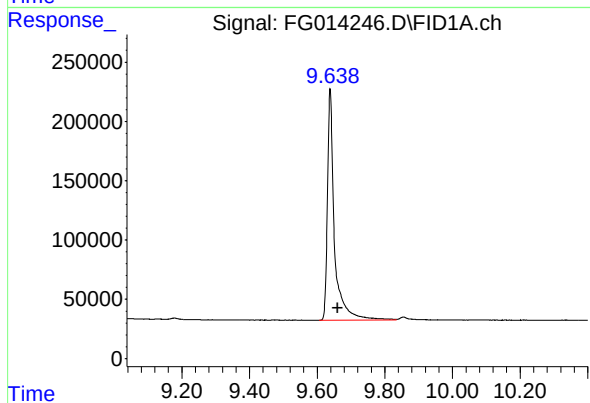
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.750 min
Delta R.T.: -0.025 min
Response: 1595297
Conc: 21.91 ug/ml



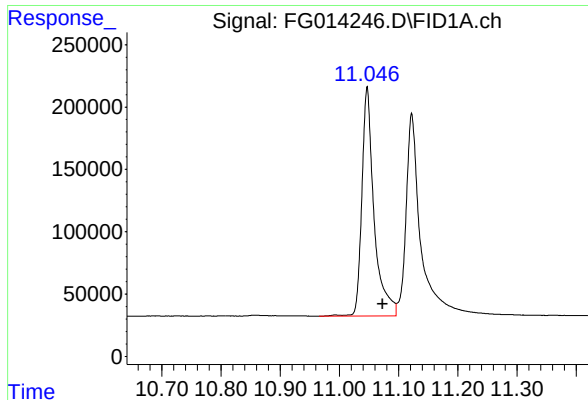
#7 Acenaphthene (C15.5)

R.T.: 8.847 min
Delta R.T.: -0.017 min
Response: 2930433
Conc: 21.16 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.639 min
Delta R.T.: -0.022 min
Response: 2814302
Conc: 21.71 ug/ml



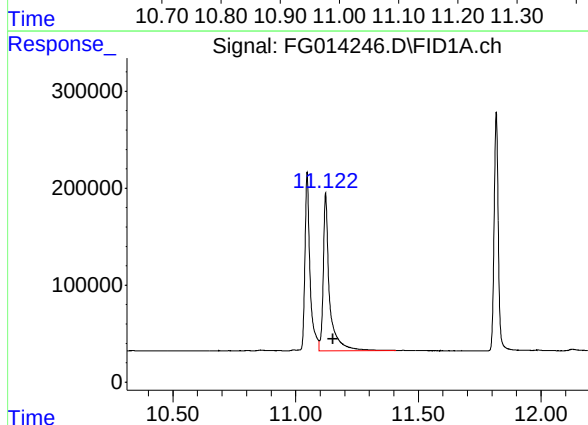
#9 Phenanthrene (C19.36)

R.T.: 11.047 min
Delta R.T.: -0.027 min
Response: 2639787
Conc: 21.84 ug/ml

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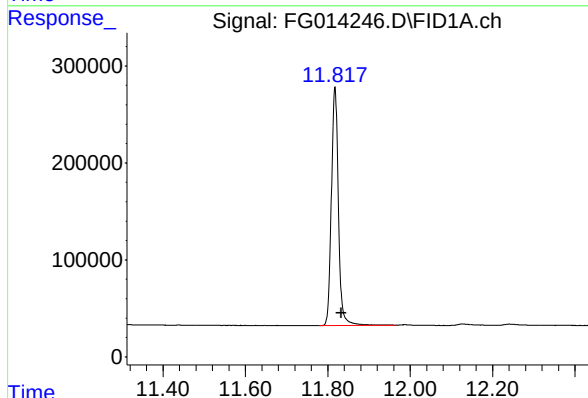
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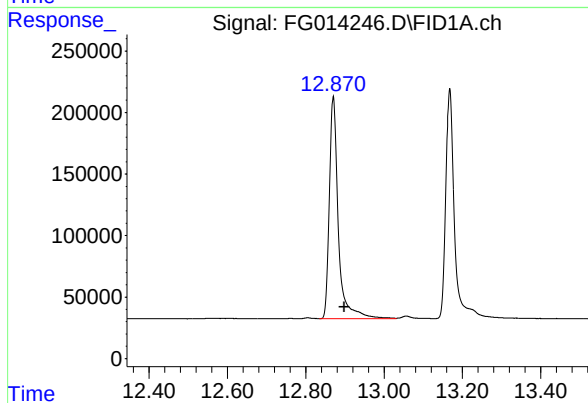
#10 Anthracene (C19.43)

R.T.: 11.122 min
Delta R.T.: -0.030 min
Response: 2893108
Conc: 20.85 ug/ml



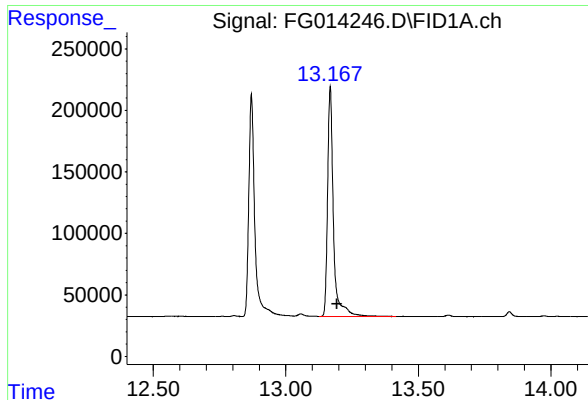
#11 ortho-Terphenyl (SURR)

R.T.: 11.817 min
Delta R.T.: -0.015 min
Response: 2904375
Conc: 21.55 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.870 min
Delta R.T.: -0.029 min
Response: 2850949
Conc: 21.99 ug/ml



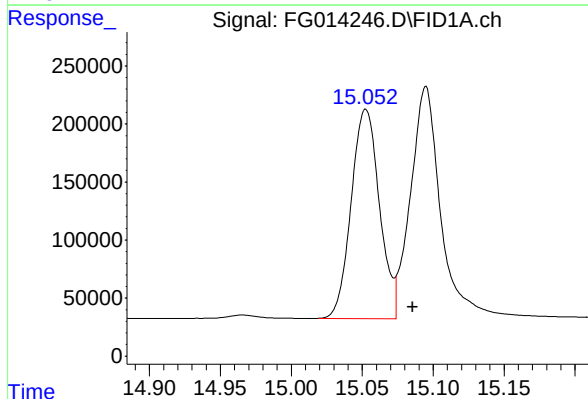
#13 Pyrene (C20.8)

R.T.: 13.167 min
Delta R.T.: -0.026 min
Response: 2875682
Conc: 22.02 ug/ml

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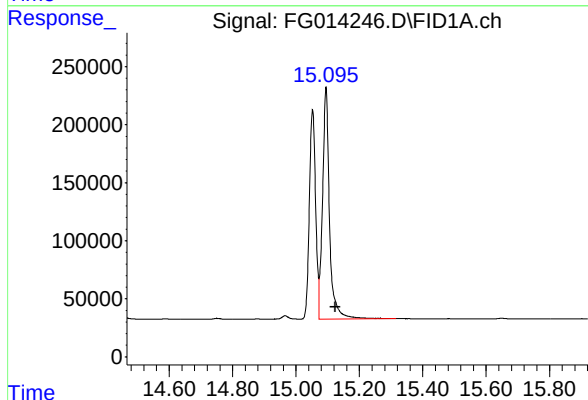
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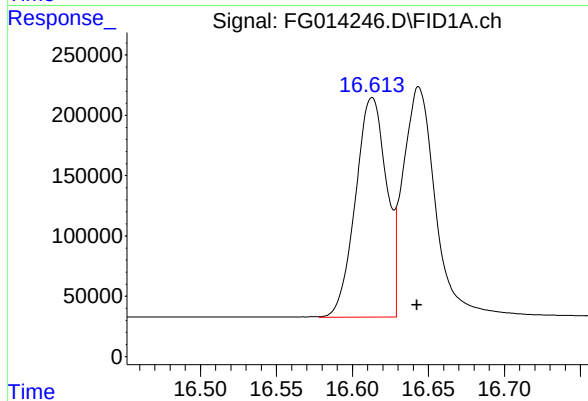
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.052 min
Delta R.T.: -0.033 min
Response: 2511438
Conc: 22.08 ug/ml m



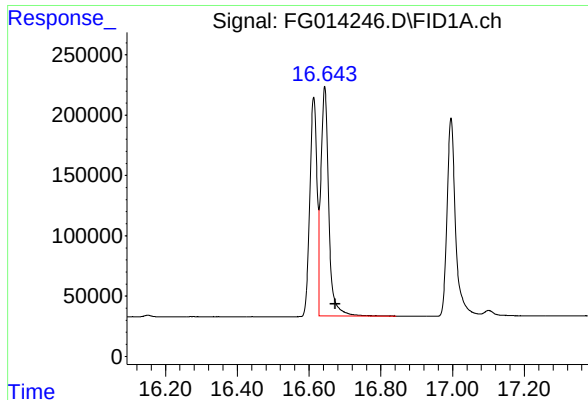
#15 Chrysene (C27.41)

R.T.: 15.095 min
Delta R.T.: -0.030 min
Response: 3045353
Conc: 21.54 ug/ml



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

R.T.: 16.613 min
Delta R.T.: -0.030 min
Response: 2598753
Conc: 22.67 ug/ml m



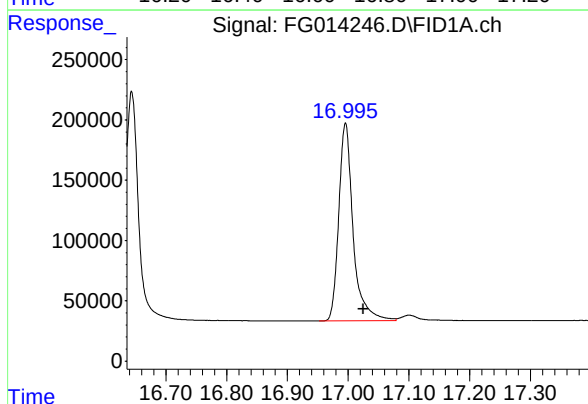
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.644 min
Delta R.T.: -0.029 min
Response: 2897919
Conc: 21.55 ug/ml

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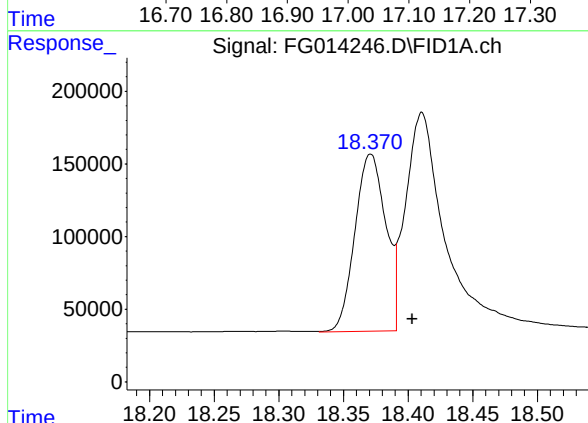
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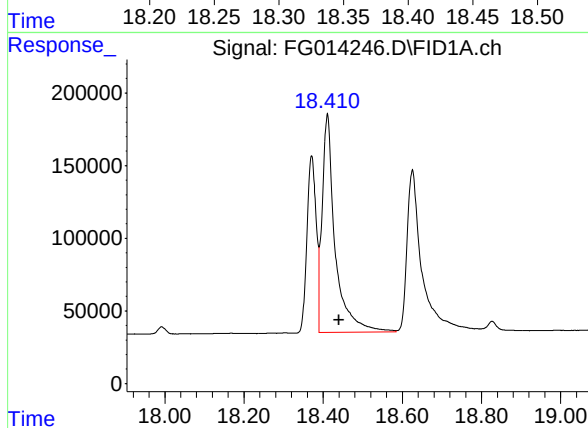
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.996 min
Delta R.T.: -0.029 min
Response: 2694152
Conc: 21.68 ug/ml



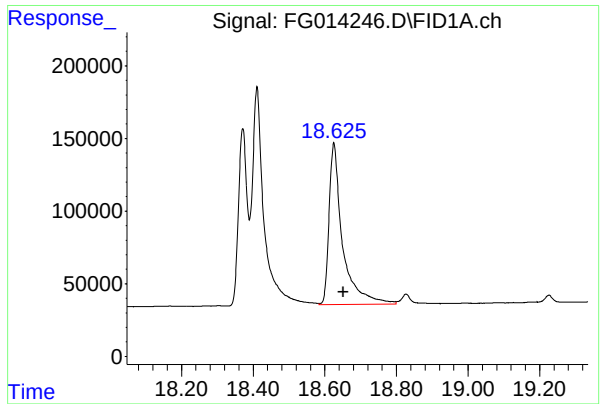
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.370 min
Delta R.T.: -0.033 min
Response: 2075240
Conc: 20.99 ug/ml m



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

R.T.: 18.411 min
Delta R.T.: -0.029 min
Response: 3423685
Conc: 23.26 ug/ml



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

R.T.: 18.625 min
Delta R.T.: -0.027 min
Response: 2905360
Conc: 22.23 ug/ml

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