

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
 Data File : FG014167.D
 Signal(s) : FID1A.ch
 Acq On : 04 Sep 2024 10:41
 Operator : YP\AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/04/2024
 Supervised By :Ankita Jodhani 09/04/2024

Integration File: autoint1.e
 Quant Time: Sep 04 11:16:49 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 04 11:16:03 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...	7.892	1187683	10.381 ug/ml
Spiked Amount 50.000		Recovery =	20.76%
6) S 2-Fluorobiphenyl (SURR)	8.769	756536	9.987 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	19.97%
11) S ortho-Terphenyl (SURR)	11.832	1439091	10.707 ug/ml
Spiked Amount 50.000		Recovery =	21.41%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.491	1393502	10.771 ug/ml
2) T Naphthalene (C11.7)	6.163	1329048	10.110 ug/ml
3) T 2-Methylnaphthalene (...)	7.263	1390236	10.509 ug/ml
5) T Acenaphthylene (C15.06)	8.564	1371433	10.374 ug/ml
7) T Acenaphthene (C15.5)	8.863	1498417	10.938 ug/ml
8) T Fluorene (C16.55)	9.657	1371690	10.431 ug/ml
9) T Phenanthrene (C19.36)	11.068	1231198	9.846 ug/ml
10) T Anthracene (C19.43)	11.145	1542057	11.398 ug/ml
12) T Fluoranthene (C21.85)	12.895	1377925	10.509 ug/ml
13) T Pyrene (C20.8)	13.191	1400697	10.740 ug/ml
14) T Benzo[a]anthracene (C...	15.078	1146227	9.693 ug/ml
15) T Chrysene (C27.41)	15.119	1576942	11.596 ug/ml
16) T benzo[b]fluoranthene ...	16.638	1142179	9.519 ug/ml
17) T Bnezo[k]fluoranthene ...	16.669	1532107	11.967 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.022	1329252	10.680 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.396	881495	8.394 ug/ml
20) T Dibenz[a,h]anthracene...	18.437	1630601	11.150 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.650	1379773	10.455 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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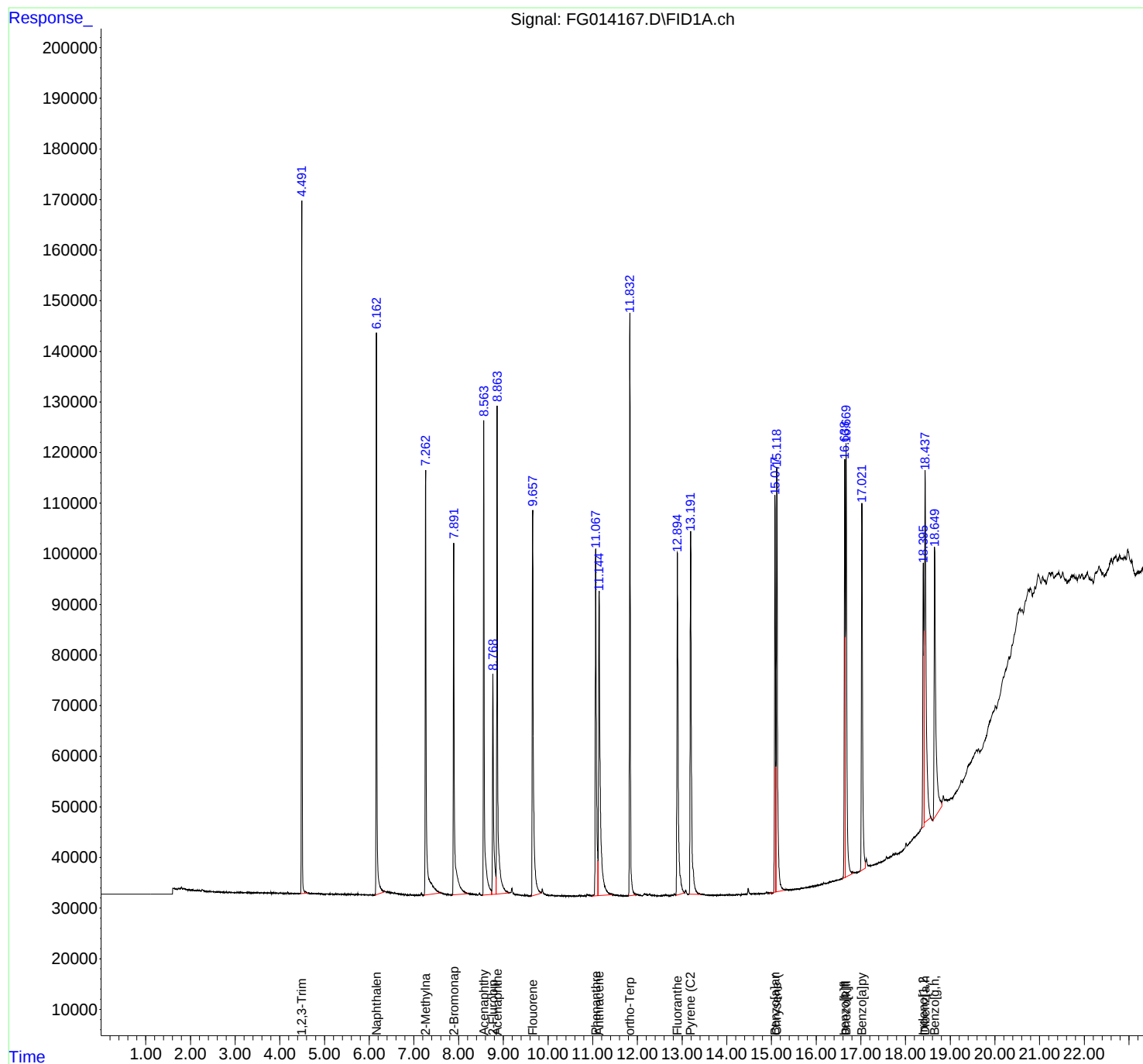
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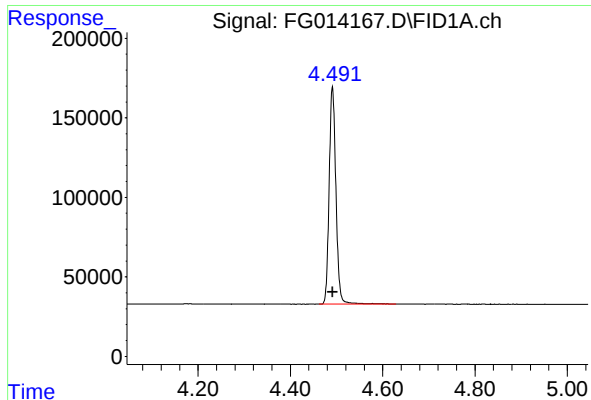
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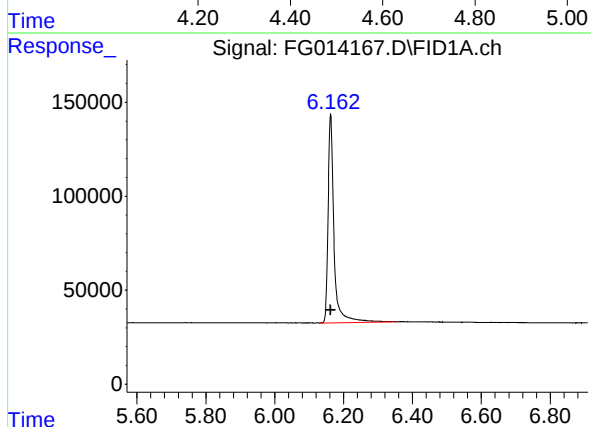
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.491 min
Delta R.T.: 0.000 min
Response: 1393502
Conc: 10.77 ug/ml

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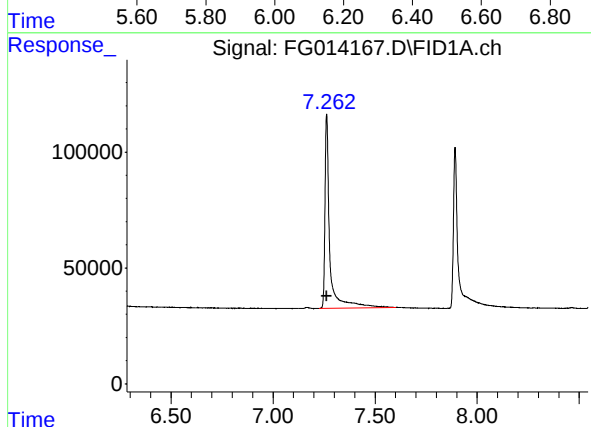
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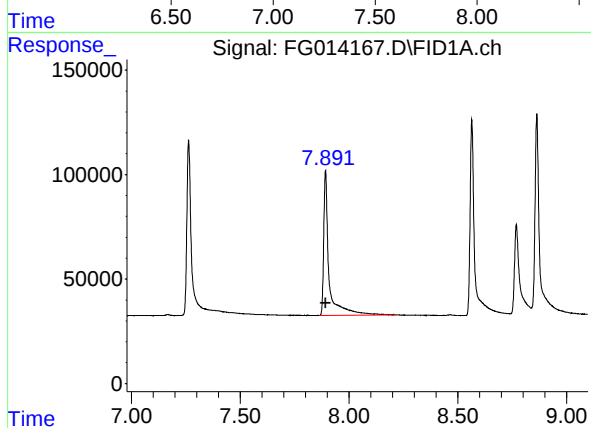
#2 Naphthalene (C11.7)

R.T.: 6.163 min
Delta R.T.: 0.000 min
Response: 1329048
Conc: 10.11 ug/ml



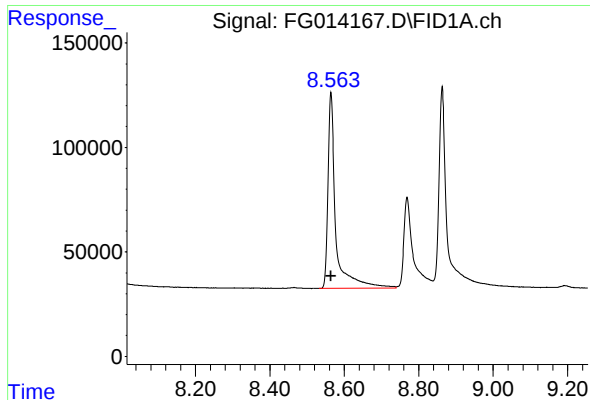
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.263 min
Delta R.T.: 0.000 min
Response: 1390236
Conc: 10.51 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.892 min
Delta R.T.: 0.000 min
Response: 1187683
Conc: 10.38 ug/ml



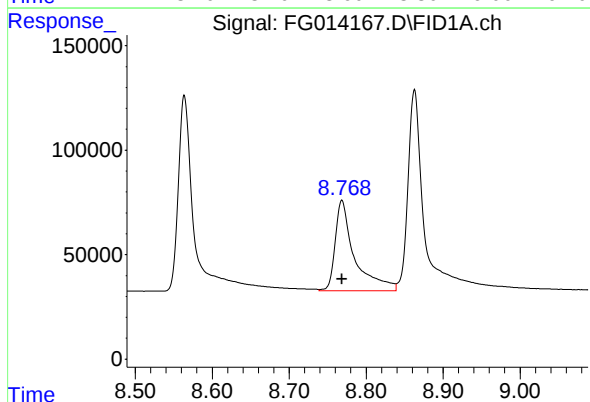
#5 Acenaphthylene (C15.06)

R.T.: 8.564 min
Delta R.T.: 0.000 min
Response: 1371433
Conc: 10.37 ug/ml

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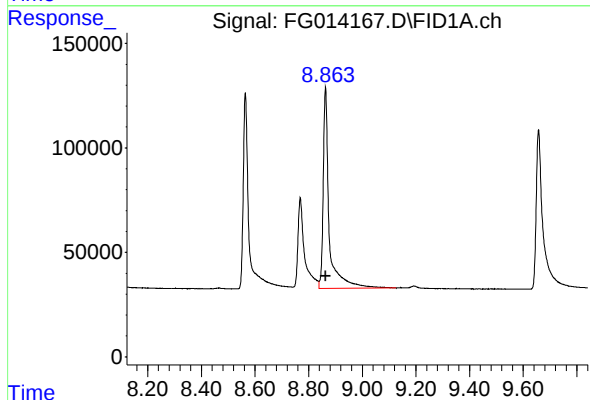
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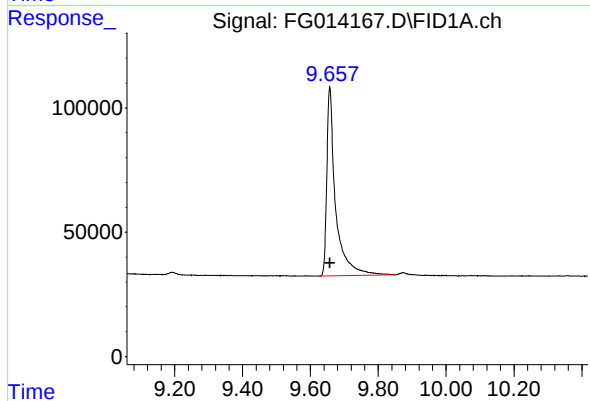
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.769 min
Delta R.T.: 0.000 min
Response: 756536
Conc: 9.99 ug/ml



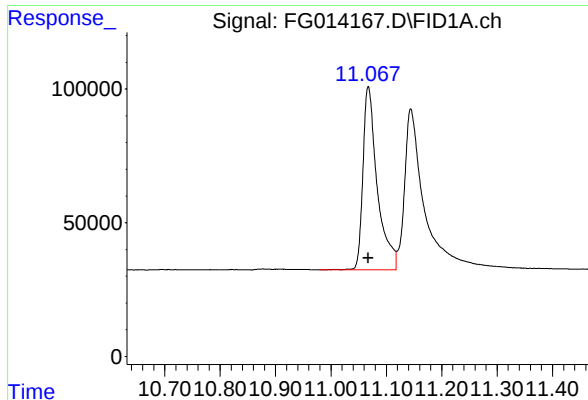
#7 Acenaphthene (C15.5)

R.T.: 8.863 min
Delta R.T.: 0.000 min
Response: 1498417
Conc: 10.94 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.657 min
Delta R.T.: 0.000 min
Response: 1371690
Conc: 10.43 ug/ml



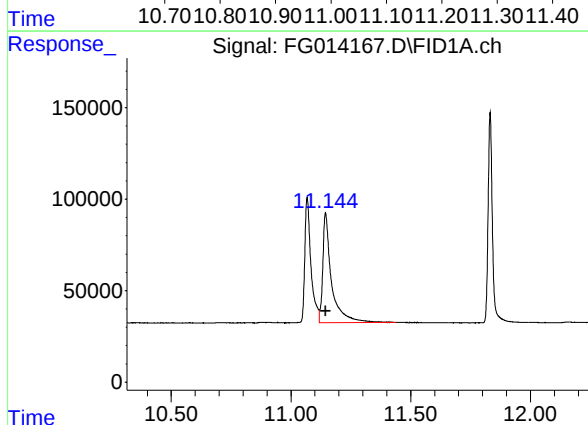
#9 Phenanthrene (C19.36)

R.T.: 11.068 min
Delta R.T.: 0.000 min
Response: 1231198
Conc: 9.85 ug/ml

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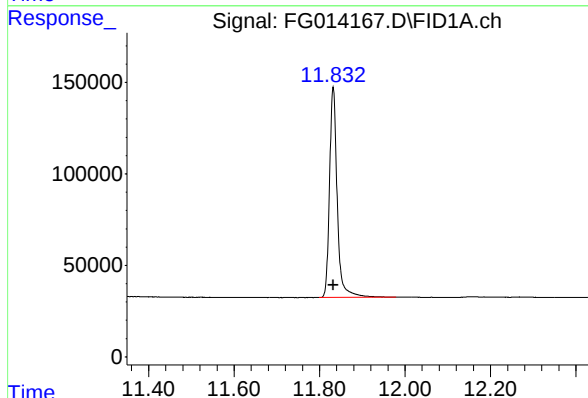
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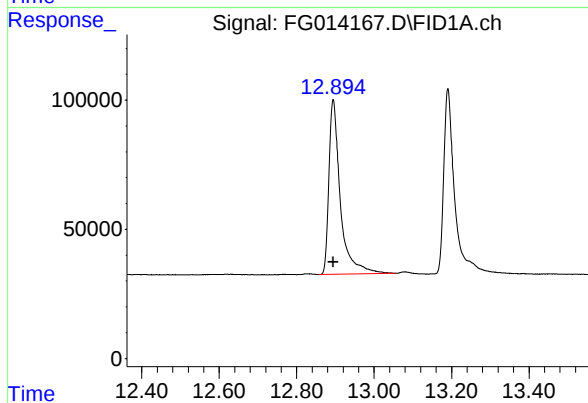
#10 Anthracene (C19.43)

R.T.: 11.145 min
Delta R.T.: 0.000 min
Response: 1542057
Conc: 11.40 ug/ml



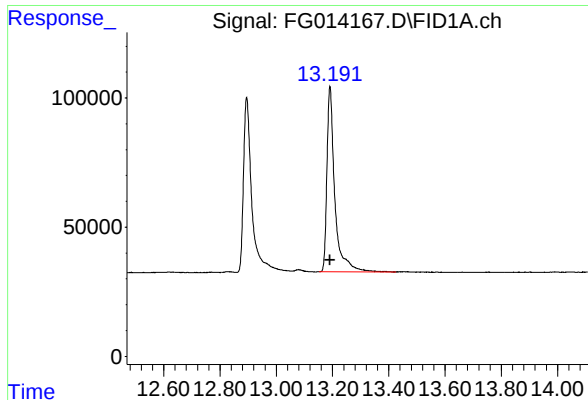
#11 ortho-Terphenyl (SURR)

R.T.: 11.832 min
Delta R.T.: 0.000 min
Response: 1439091
Conc: 10.71 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.895 min
Delta R.T.: 0.000 min
Response: 1377925
Conc: 10.51 ug/ml



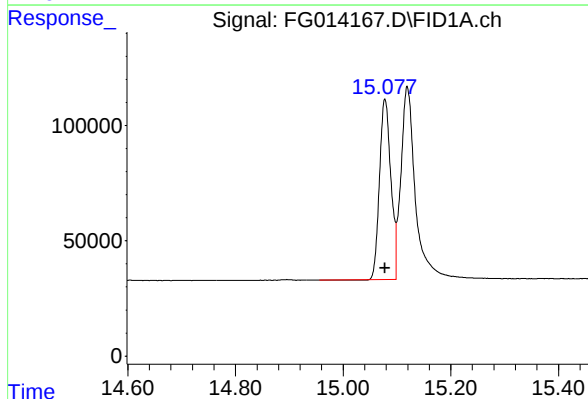
#13 Pyrene (C20.8)

R.T.: 13.191 min
Delta R.T.: 0.000 min
Response: 1400697
Conc: 10.74 ug/ml

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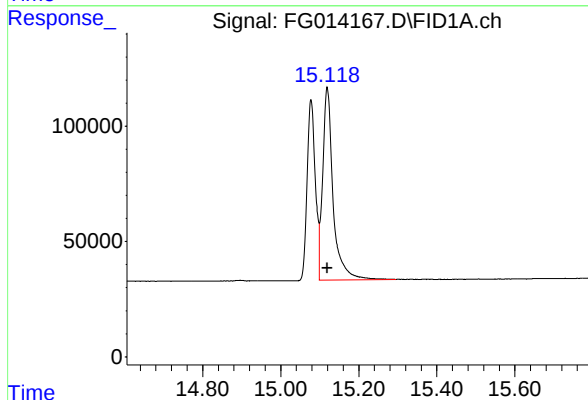
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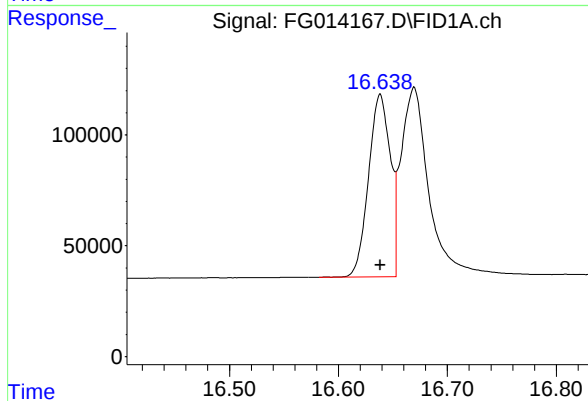
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.078 min
Delta R.T.: 0.000 min
Response: 1146227
Conc: 9.69 ug/ml



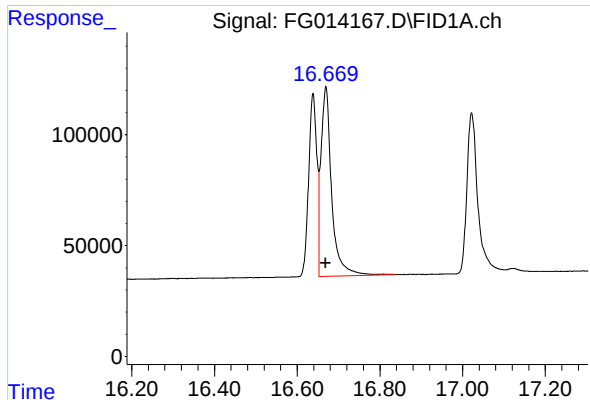
#15 Chrysene (C27.41)

R.T.: 15.119 min
Delta R.T.: 0.000 min
Response: 1576942
Conc: 11.60 ug/ml



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

R.T.: 16.638 min
Delta R.T.: 0.000 min
Response: 1142179
Conc: 9.52 ug/ml



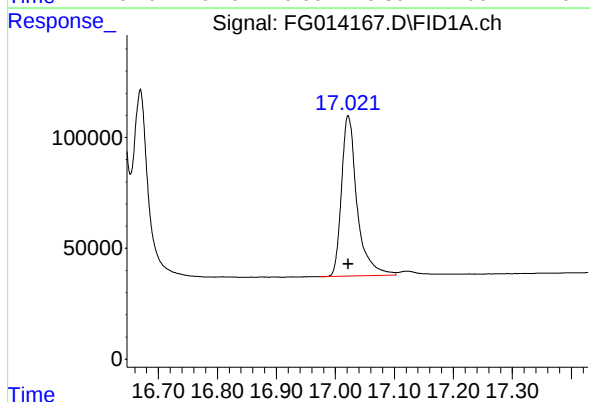
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.669 min
Delta R.T.: 0.000 min
Response: 1532107
Conc: 11.97 ug/ml

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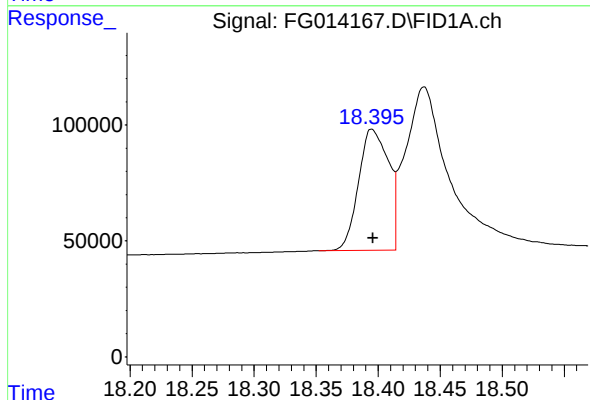
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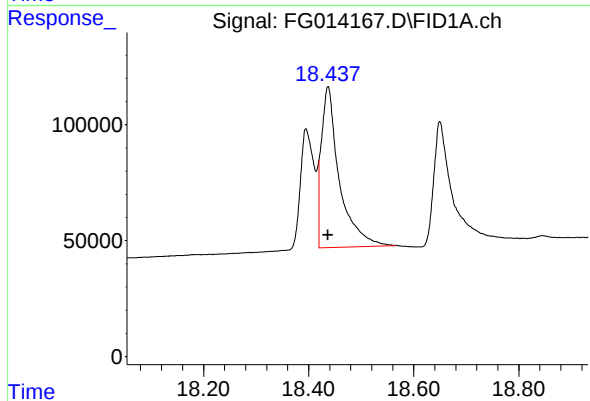
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.022 min
Delta R.T.: 0.000 min
Response: 1329252
Conc: 10.68 ug/ml



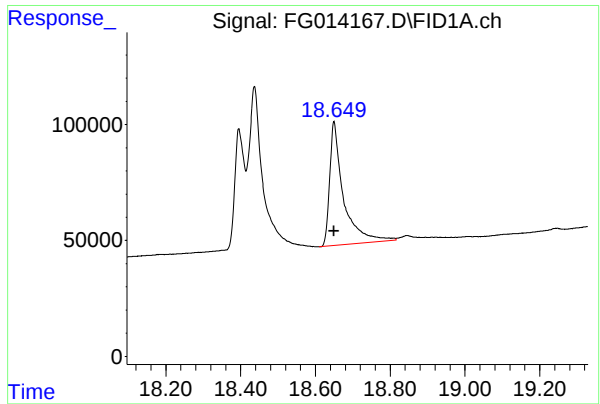
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.396 min
Delta R.T.: 0.000 min
Response: 881495
Conc: 8.39 ug/ml



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

R.T.: 18.437 min
Delta R.T.: 0.000 min
Response: 1630601
Conc: 11.15 ug/ml m



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

R.T.: 18.650 min
Delta R.T.: 0.000 min
Response: 1379773
Conc: 10.45 ug/ml

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