

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF093024AR\
 Data File : FF014573.D
 Signal(s) : FID2B.ch
 Acq On : 30 Sep 2024 19:46
 Operator : YP\AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/02/2024
 Supervised By :Ankita Jodhani 10/02/2024

Integration File: autoint1.e
 Quant Time: Oct 01 10:51:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 10:51:06 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...	7.864	1019739	9.363 ug/ml
Spiked Amount 50.000		Recovery =	18.73%
6) S 2-Fluorobiphenyl (SURR)	8.738	542023	8.279 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	16.56%
11) S ortho-Terphenyl (SURR)	11.791	1358154	10.052 ug/ml
Spiked Amount 50.000		Recovery =	20.10%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.475	1316326	10.124 ug/ml
2) T Naphthalene (C11.7)	6.141	1242870	9.577 ug/ml
3) T 2-Methylnaphthalene (...)	7.235	1226115	9.587 ug/ml
5) T Acenaphthylene (C15.06)	8.531	1252480	9.726 ug/ml
7) T Acenaphthene (C15.5)	8.829	1341000	10.002 ug/ml
8) T Fluorene (C16.55)	9.621	1124943	9.350 ug/ml
9) T Phenanthrene (C19.36)	11.022	1085625	9.182 ug/ml
10) T Anthracene (C19.43)	11.100	1158780	9.753 ug/ml
12) T Fluoranthene (C21.85)	12.839	1179150	9.542 ug/ml
13) T Pyrene (C20.8)	13.135	1211945	9.777 ug/ml
14) T Benzo[a]anthracene (C...	15.017	752217	7.859 ug/ml
15) T Chrysene (C27.41)	15.056	1543005	11.349 ug/ml
16) T benzo[b]fluoranthene ...	16.570	827420	7.965 ug/ml
17) T Bnezo[k]fluoranthene ...	16.603	1493653	11.544 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.956	1102556	9.950 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.333	521062	7.592 ug/mlm
20) T Dibenz[a,h]anthracene...	18.387	1119300	10.394 ug/ml
21) T Benzo[g,h,i]perylene ...	18.574	1240266	10.368 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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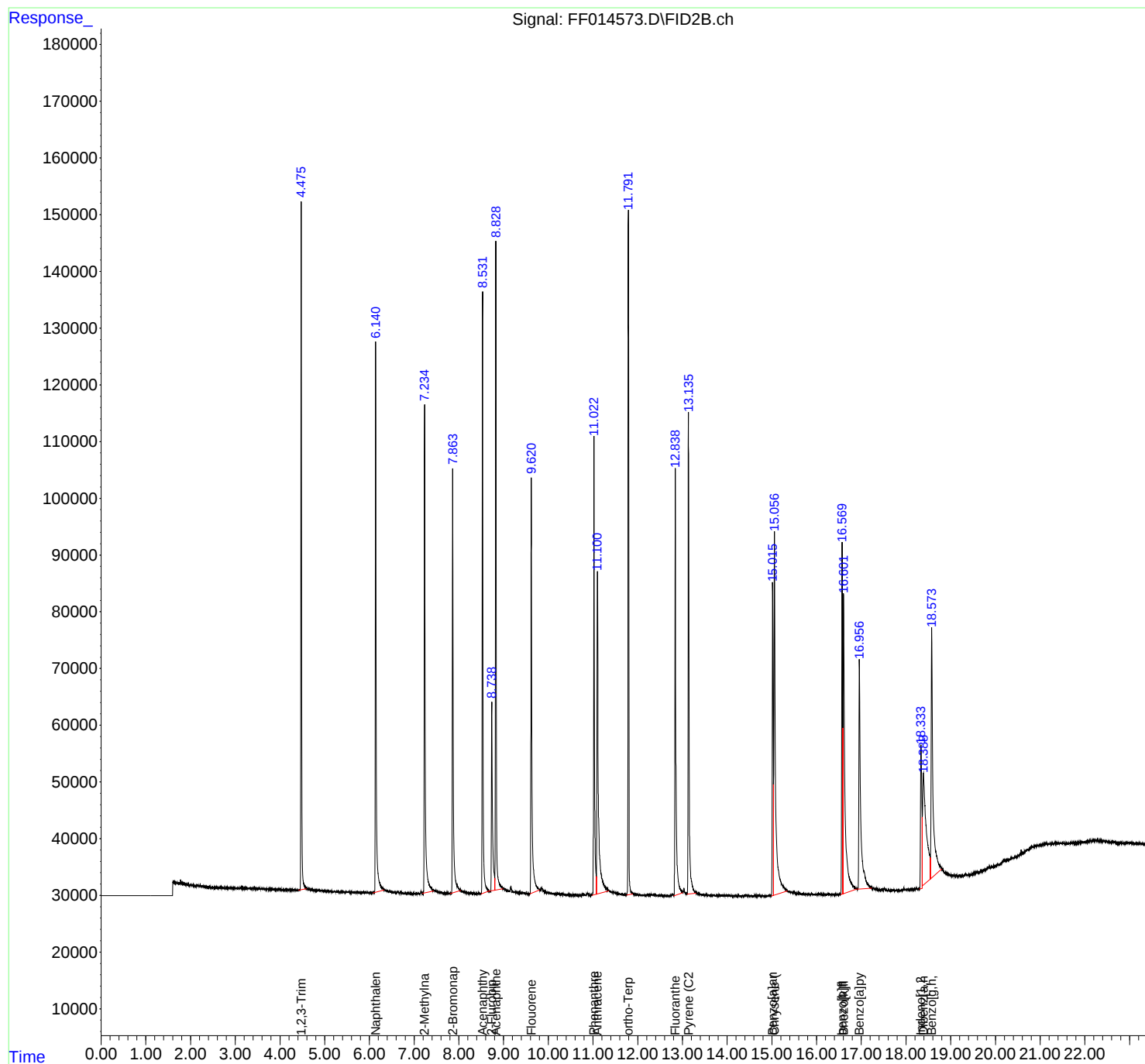
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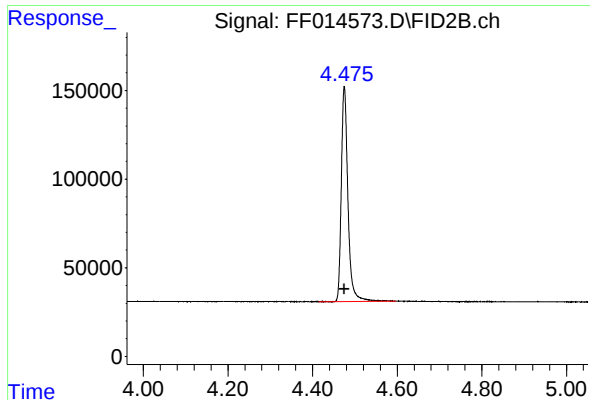
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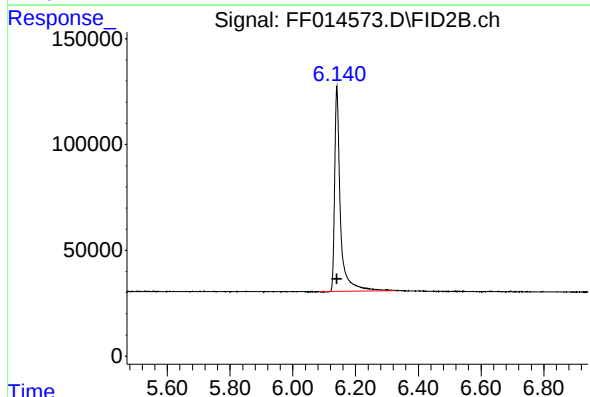
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.475 min
Delta R.T.: 0.000 min
Response: 1316326
Conc: 10.12 ug/ml

Instrument :
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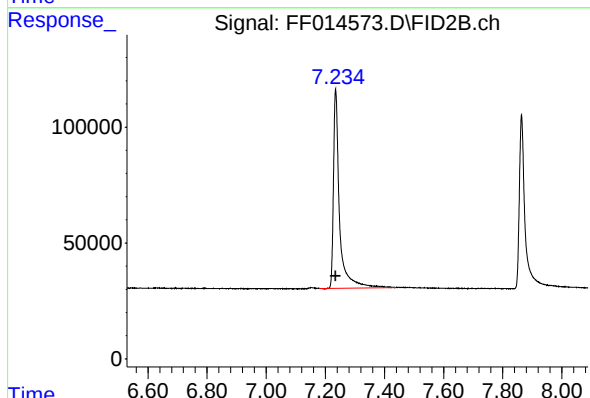
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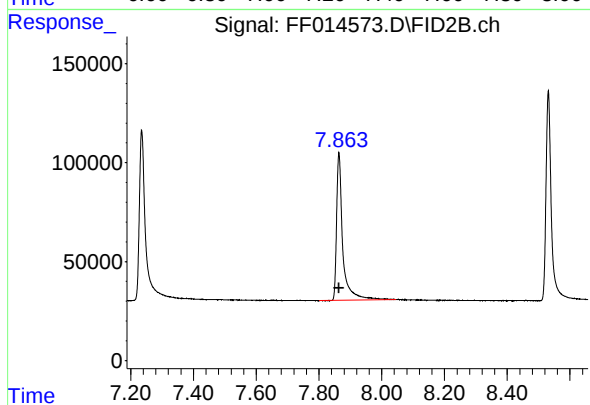
#2 Naphthalene (C11.7)

R.T.: 6.141 min
Delta R.T.: 0.000 min
Response: 1242870
Conc: 9.58 ug/ml



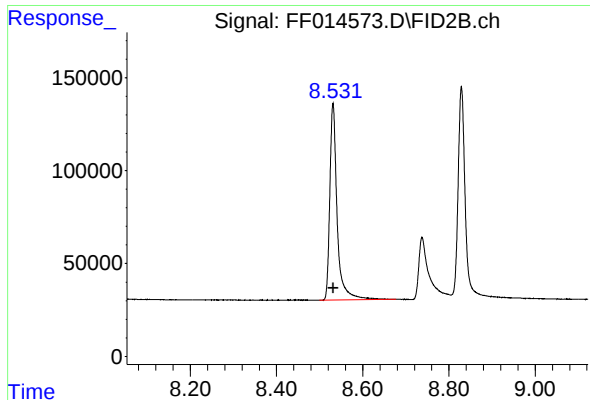
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.235 min
Delta R.T.: 0.000 min
Response: 1226115
Conc: 9.59 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.864 min
Delta R.T.: 0.000 min
Response: 1019739
Conc: 9.36 ug/ml



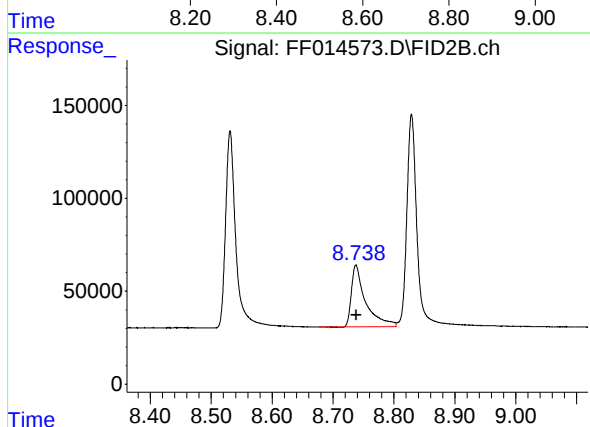
#5 Acenaphthylene (C15.06)

R.T.: 8.531 min
Delta R.T.: 0.000 min
Response: 1252480
Conc: 9.73 ug/ml

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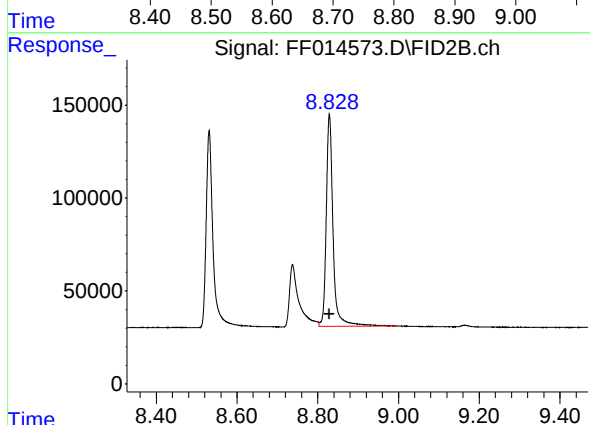
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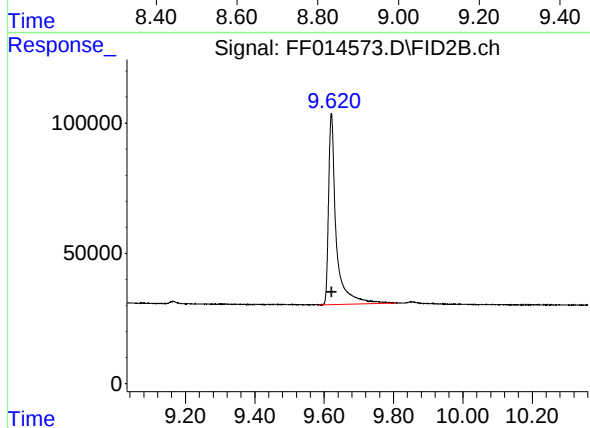
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.738 min
Delta R.T.: 0.000 min
Response: 542023
Conc: 8.28 ug/ml



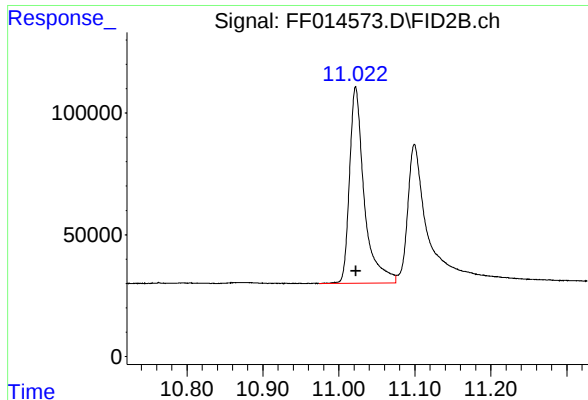
#7 Acenaphthene (C15.5)

R.T.: 8.829 min
Delta R.T.: 0.000 min
Response: 1341000
Conc: 10.00 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.621 min
Delta R.T.: 0.000 min
Response: 1124943
Conc: 9.35 ug/ml



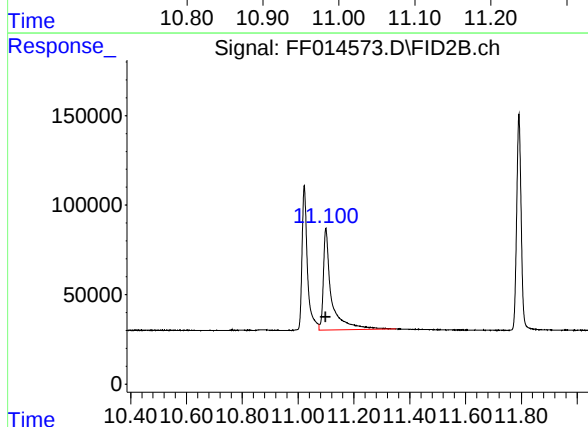
#9 Phenanthrene (C19.36)

R.T.: 11.022 min
Delta R.T.: 0.000 min
Response: 1085625
Conc: 9.18 ug/ml

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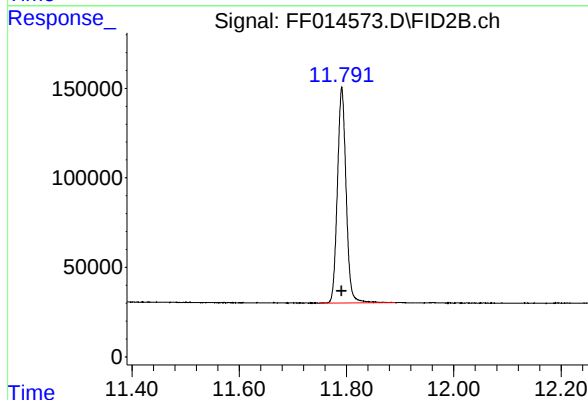
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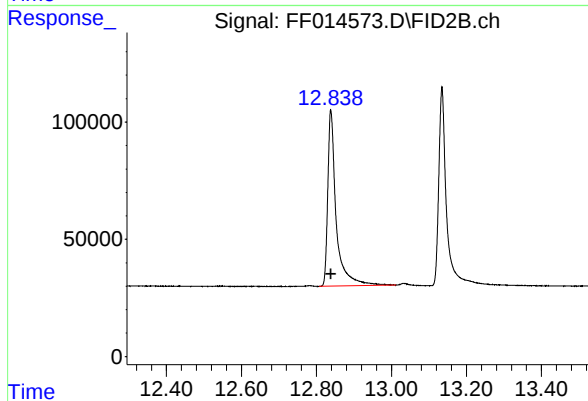
#10 Anthracene (C19.43)

R.T.: 11.100 min
Delta R.T.: 0.000 min
Response: 1158780
Conc: 9.75 ug/ml



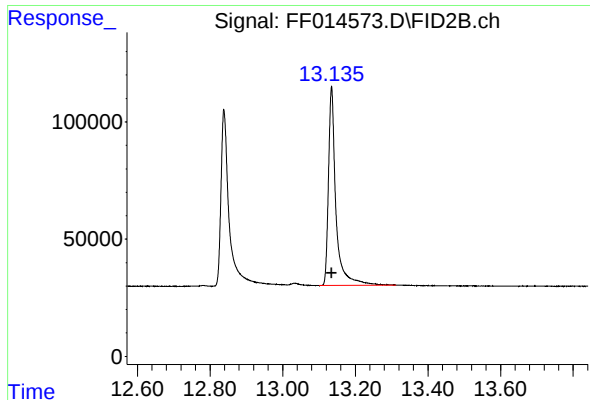
#11 ortho-Terphenyl (SURR)

R.T.: 11.791 min
Delta R.T.: 0.000 min
Response: 1358154
Conc: 10.05 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.839 min
Delta R.T.: 0.000 min
Response: 1179150
Conc: 9.54 ug/ml



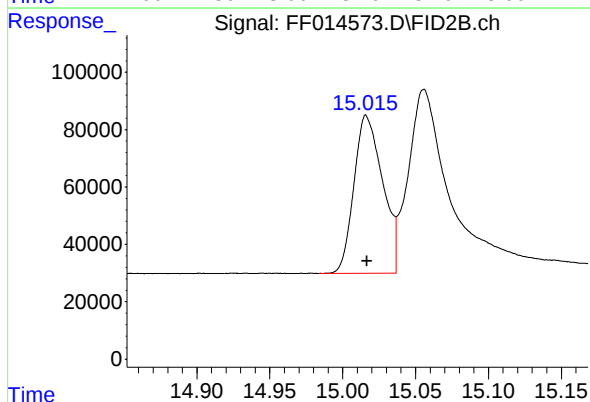
#13 Pyrene (C20.8)

R.T.: 13.135 min
Delta R.T.: 0.000 min
Response: 1211945
Conc: 9.78 ug/ml

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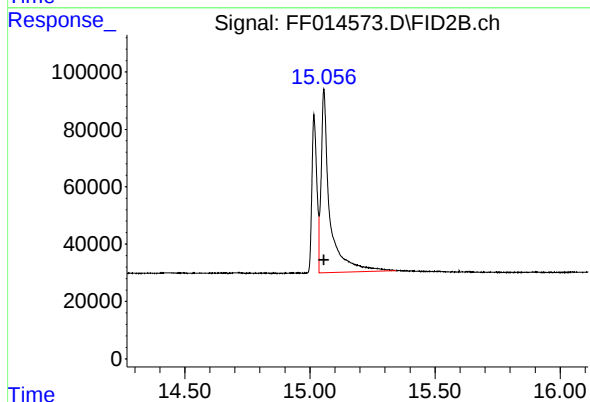
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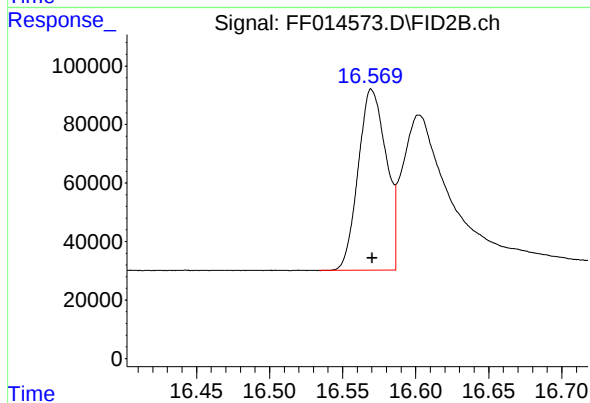
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.017 min
Delta R.T.: 0.000 min
Response: 752217
Conc: 7.86 ug/ml



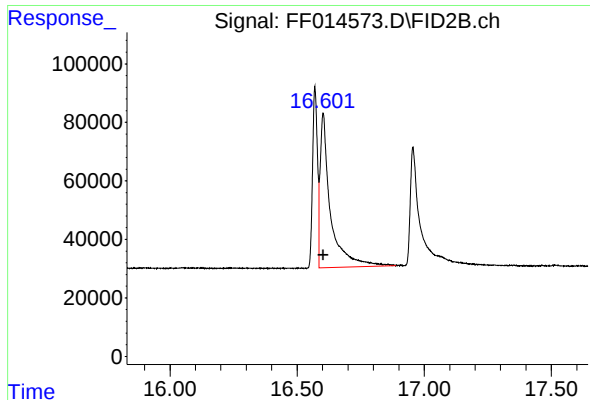
#15 Chrysene (C27.41)

R.T.: 15.056 min
Delta R.T.: 0.000 min
Response: 1543005
Conc: 11.35 ug/ml



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

R.T.: 16.570 min
Delta R.T.: 0.000 min
Response: 827420
Conc: 7.96 ug/ml



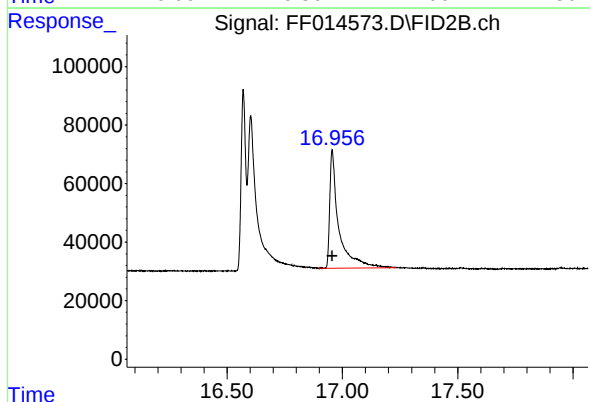
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.603 min
Delta R.T.: 0.000 min
Response: 1493653
Conc: 11.54 ug/ml

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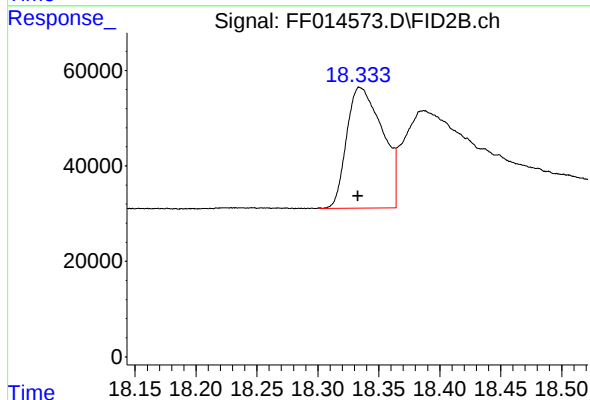
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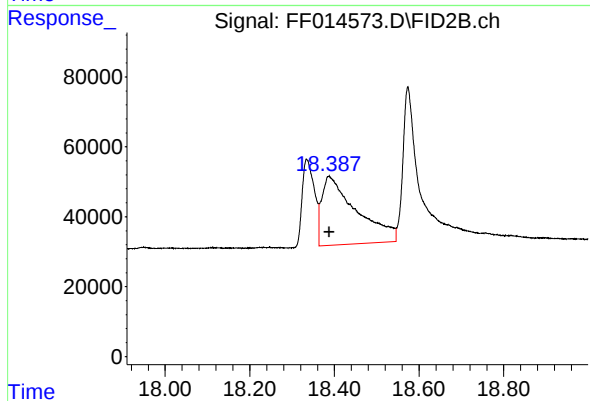
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.956 min
Delta R.T.: 0.000 min
Response: 1102556
Conc: 9.95 ug/ml



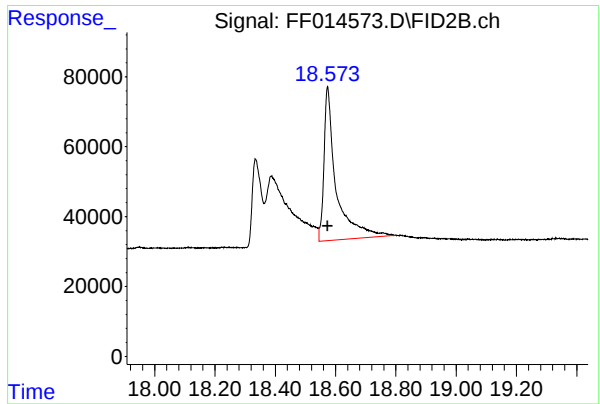
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.333 min
Delta R.T.: 0.000 min
Response: 521062
Conc: 7.59 ug/ml m



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

R.T.: 18.387 min
Delta R.T.: -0.001 min
Response: 1119300
Conc: 10.39 ug/ml



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

R.T.: 18.574 min
Delta R.T.: 0.000 min
Response: 1240266
Conc: 10.37 ug/ml

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