

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062816\
 Data File : BM006106.D
 Acq On : 28 Jun 2016 21:26
 Operator : UM/SJ
 Sample : H3780-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 29 01:13:52 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	231101	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1111261	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	666626	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1412860	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1121240	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1062638	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	10809	2.17	ng/uL	0.00
3) Phenol-d5	6.83	99	486364	25.76	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	309278	27.78	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	366746	25.31	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	416099	27.38	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	198292	26.49	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	223531	26.09	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	404120	25.85	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	522110	42.26	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1336034	27.96	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1642542	28.33	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	204108	22.51	ng/ul	0.00
21) Fluorene-d10	15.30	176	1123599	27.56	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	148088	29.59	ng/ul	0.00
26) Anthracene-d10	17.15	188	1603357	28.29	ng/ul	0.00
30) Pyrene-d10	19.45	212	1566691	34.70	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1221321	28.88	ng/ul	0.00

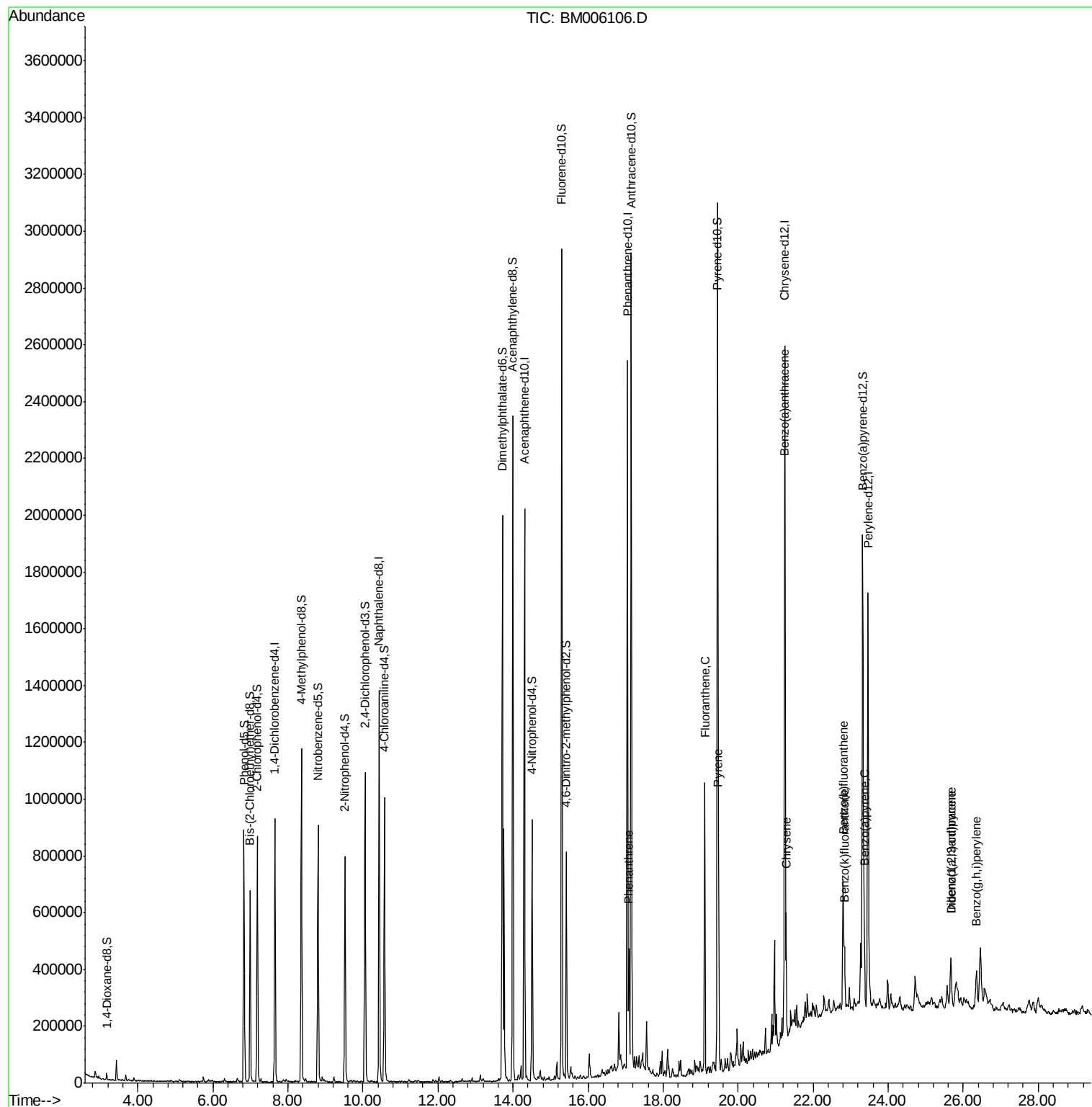
Target Compounds

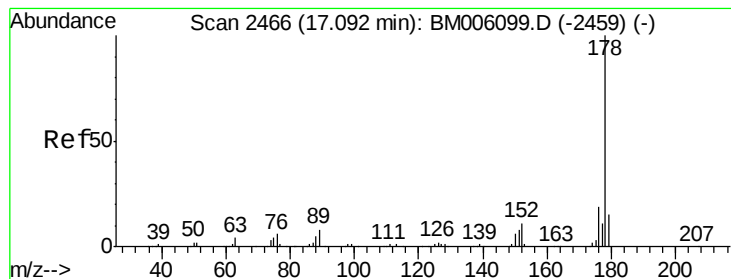
						Qvalue
25) Phenanthrene	17.09	178	236269	3.53	ng/ul	99
28) Fluoranthene	19.12	202	626672	7.65	ng/ul	99
31) Pyrene	19.48	202	473499	8.01	ng/ul	97
32) Benzo(a)anthracene	21.23	228	241860	4.15	ng/ul	98
33) Chrysene	21.28	228	258460	4.81	ng/ul	98
35) Benzo(b)fluoranthene	22.80	252	341293	6.19	ng/ul	98
36) Benzo(k)fluoranthene	22.84	252	116867m	2.26	ng/ul	
38) Benzo(a)pyrene	23.36	252	215526	4.14	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.67	276	167488	3.09	ng/ul	94
40) Dibenzo(a,h)anthracene	25.67	278	47484m	1.06	ng/ul	
41) Benzo(g,h,i)perylene	26.36	276	148667	3.28	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 3.53 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

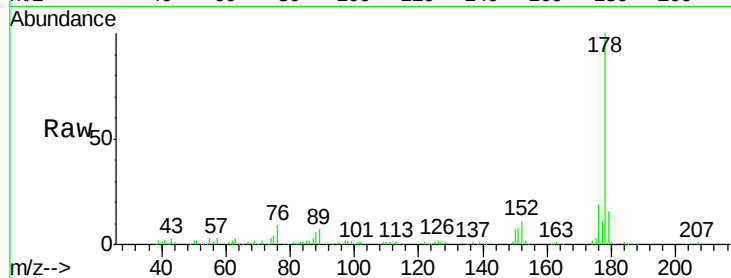
Tgt Ion:178 Resp: 236269

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.2

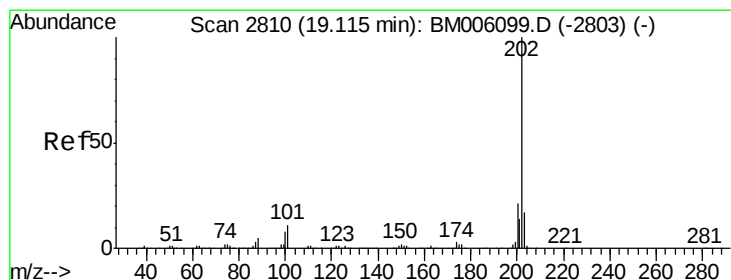
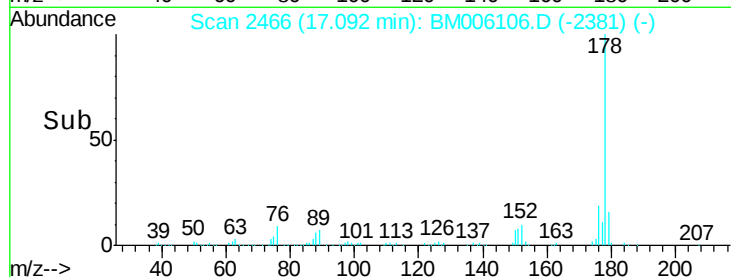
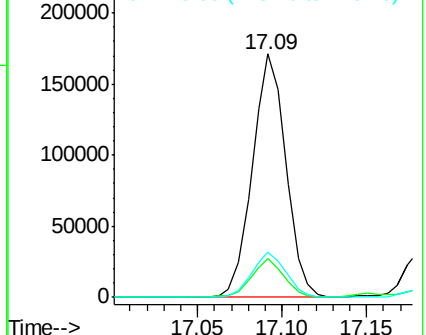
176 18.8 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#28

Fluoranthene

Concen: 7.65 ng/ul

RT: 19.12 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

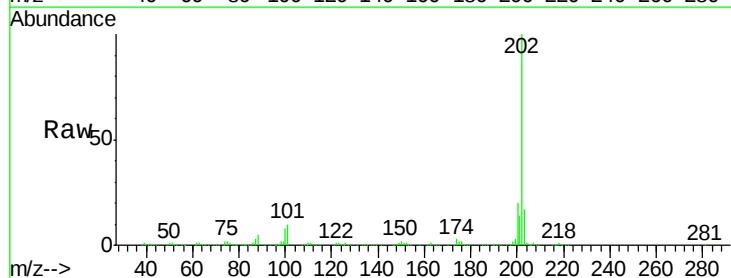
Tgt Ion:202 Resp: 626672

Ion Ratio Lower Upper

202 100

101 10.2 8.5 12.7

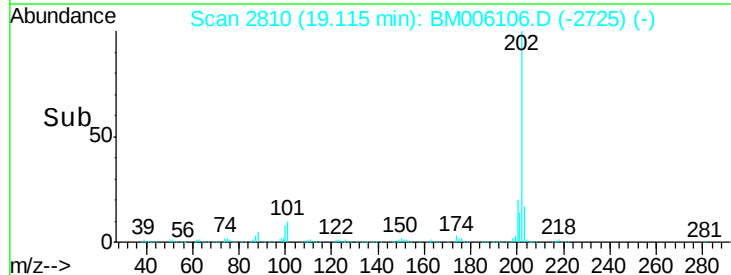
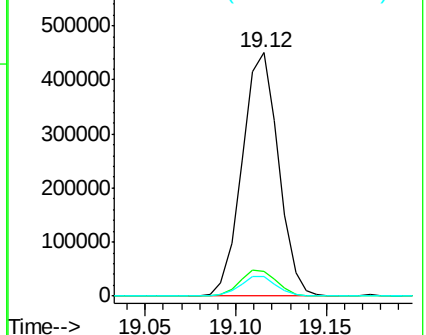
100 7.8 6.5 9.7

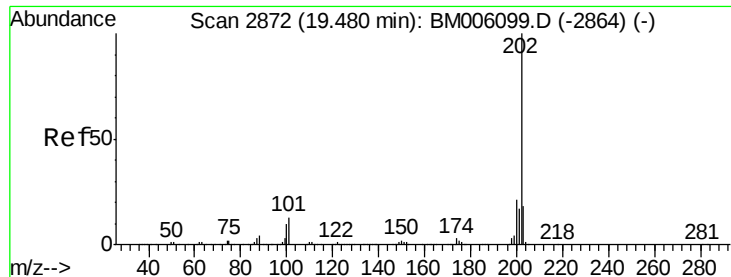


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

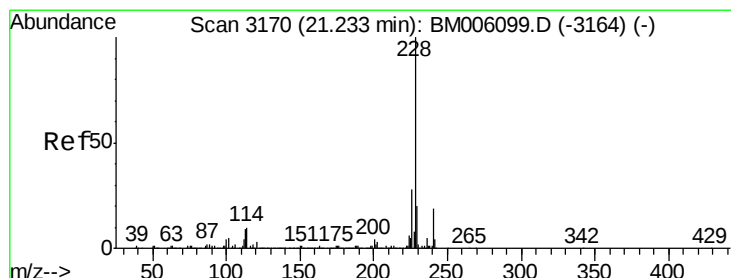
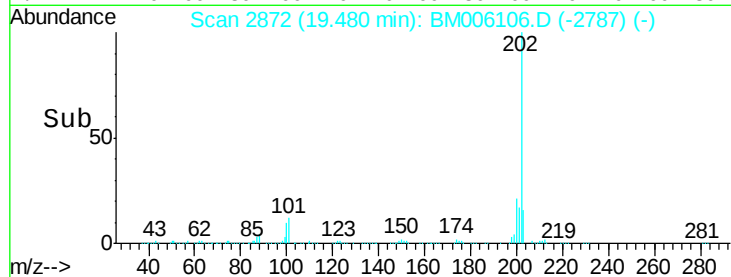
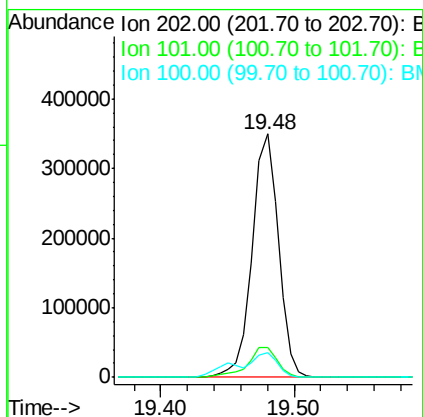
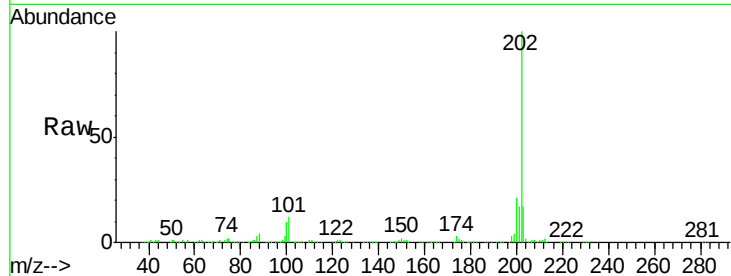
Ion 100.00 (99.70 to 100.70): E





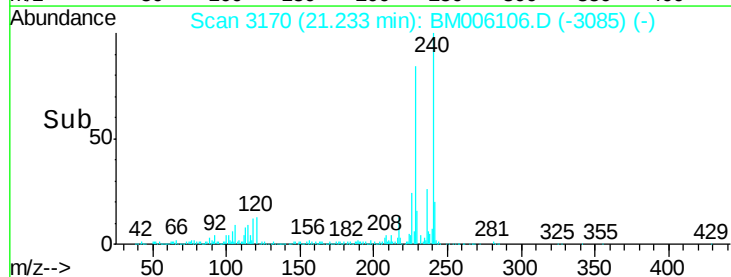
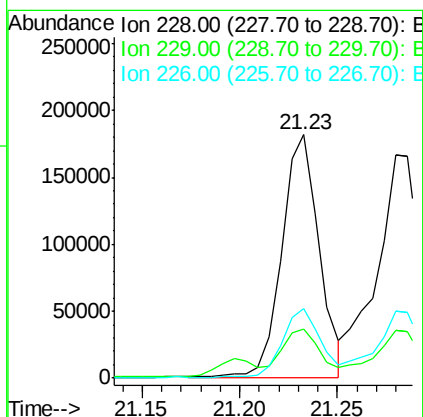
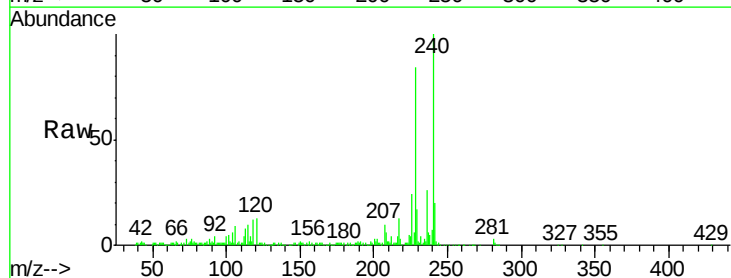
#31
Pyrene
Concen: 8.01 ng/ul
RT: 19.48 min Scan# 2872
Delta R.T. -0.00 min
Lab File: BM006106.D
Acq: 28 Jun 2016 21:26

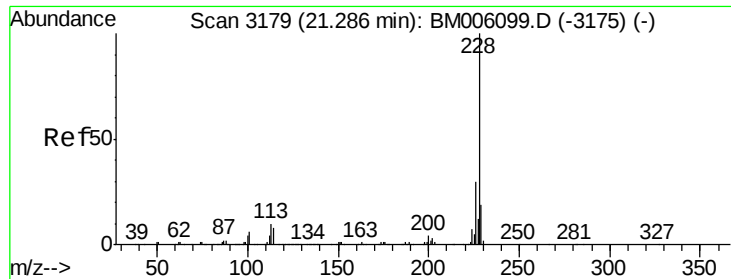
Tgt Ion:	202	Resp:	473499
Ion	Ratio	Lower	Upper
202	100		
101	12.1	11.0	16.4
100	10.3	8.9	13.3



#32
Benzo(a)anthracene
Concen: 4.15 ng/ul
RT: 21.23 min Scan# 3170
Delta R.T. -0.00 min
Lab File: BM006106.D
Acq: 28 Jun 2016 21:26

Tgt Ion:	228	Resp:	241860
Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.6	23.4
226	28.4	21.6	32.4





#33

Chrysene

Concen: 4.81 ng/ul

RT: 21.28 min Scan# 3178

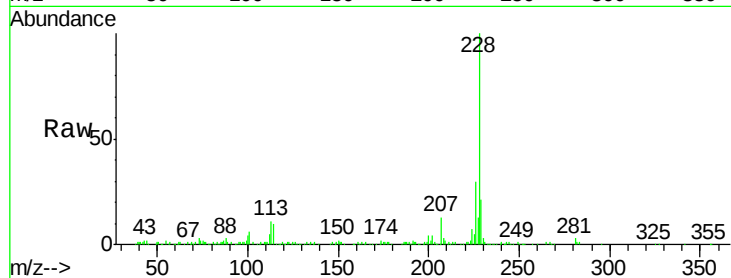
Delta R.T. -0.01 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

Tgt Ion: 228 Resp: 258460

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	21.5	15.8	23.6

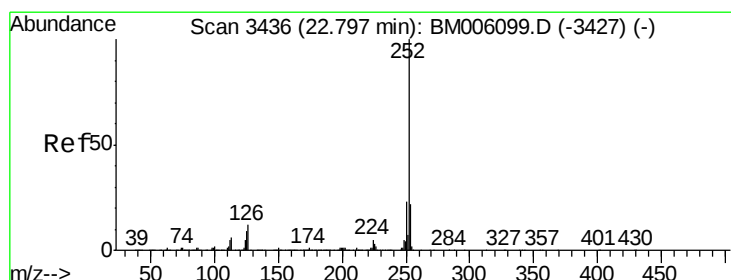
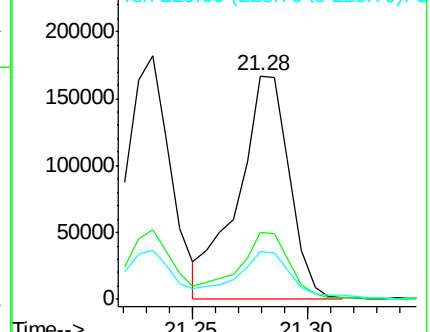
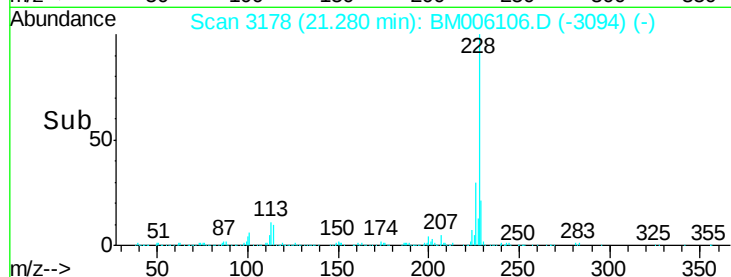


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#35

Benzo(b)fluoranthene

Concen: 6.19 ng/ul

RT: 22.80 min Scan# 3436

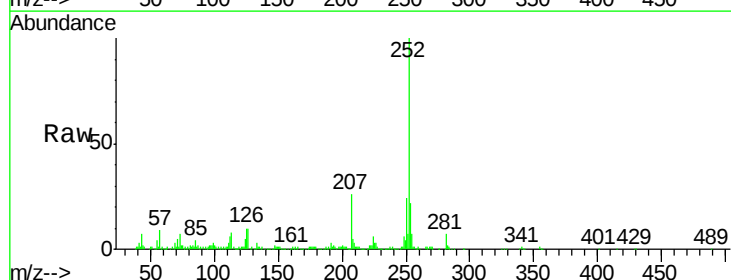
Delta R.T. -0.00 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

Tgt Ion: 252 Resp: 341293

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	9.8	7.8	11.6

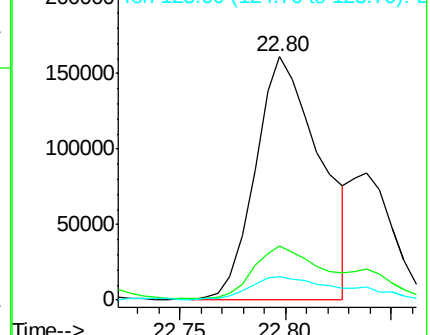
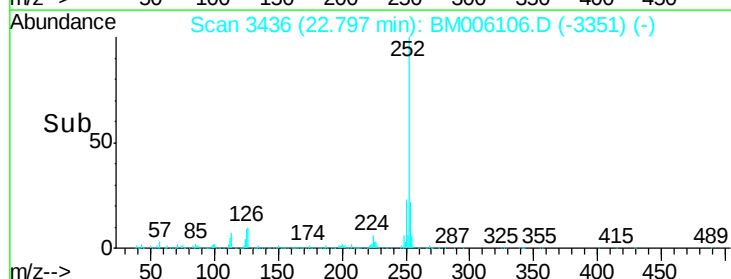


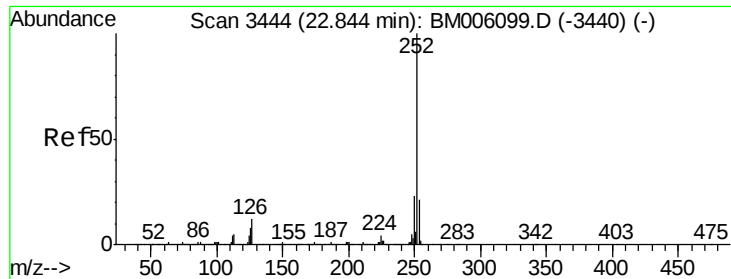
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 2.26 ng/ul m

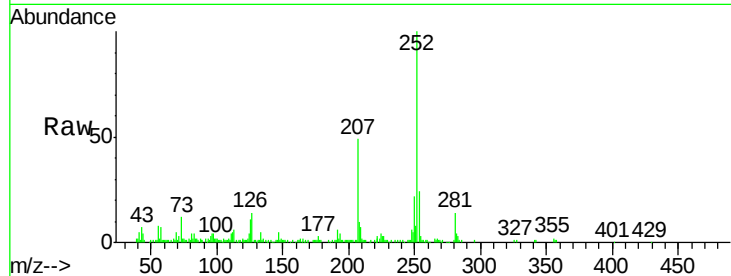
RT: 22.84 min Scan# 3443

Delta R.T. -0.01 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

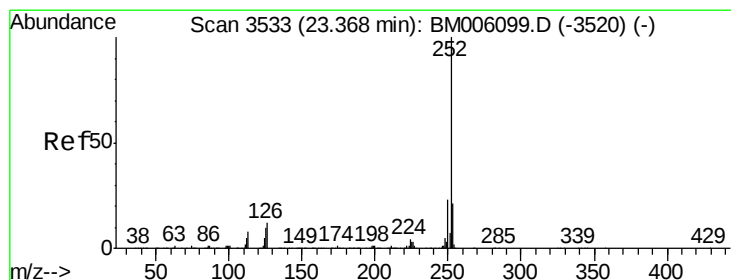
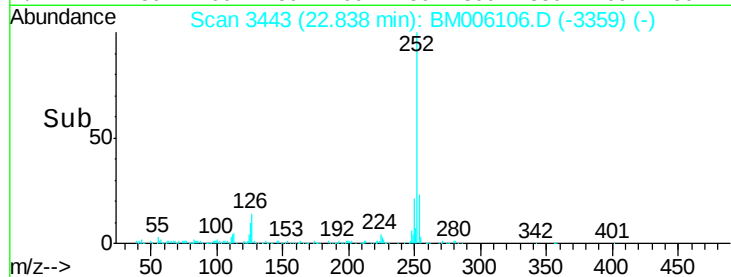
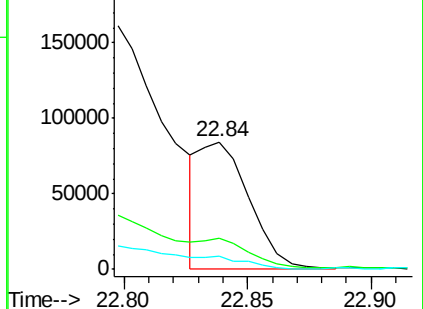
Tgt Ion:	252	Resp:	116867
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.6	26.4
125	10.6	8.1	12.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Benzo(a)pyrene

Concen: 4.14 ng/ul

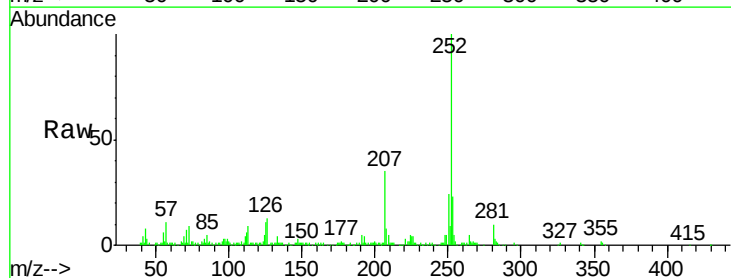
RT: 23.36 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

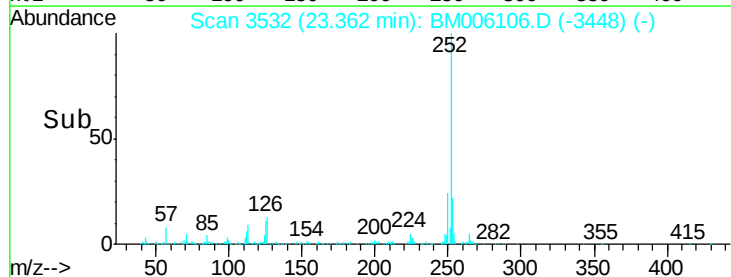
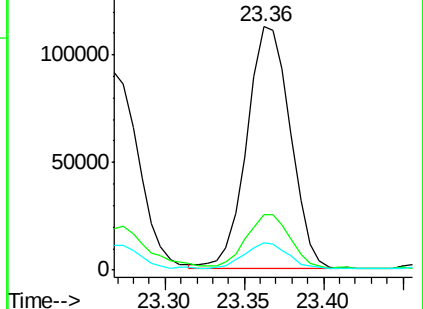
Tgt Ion:	252	Resp:	215526
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.1	8.7	13.1

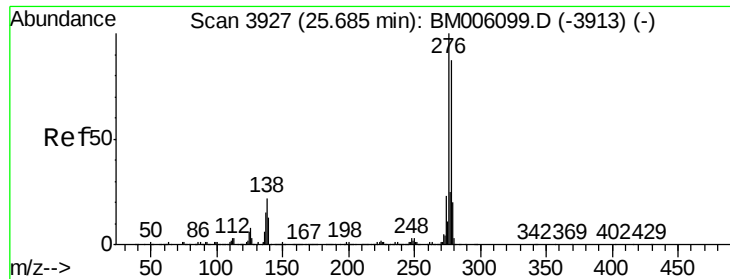


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

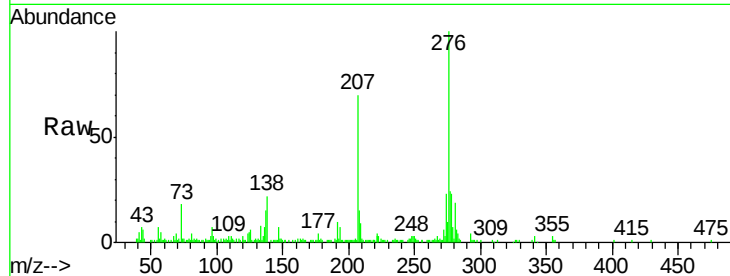




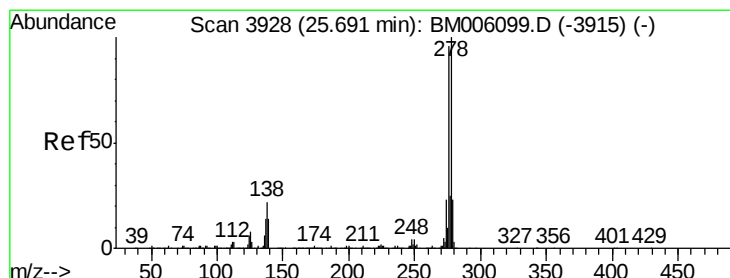
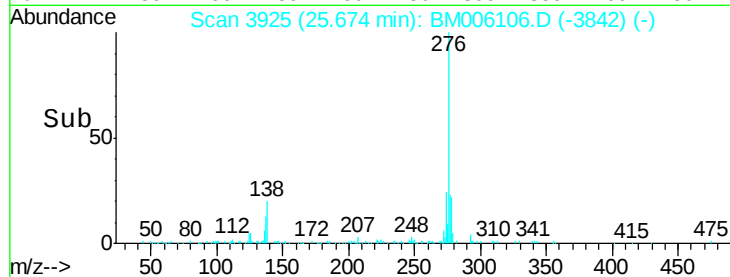
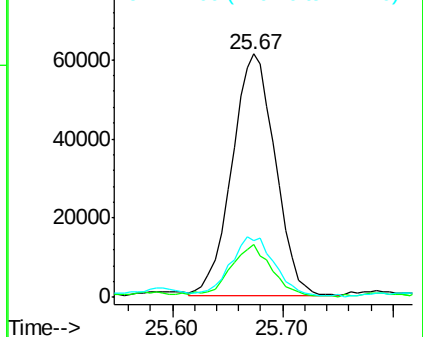
#39

Indeno(1,2,3-cd)pyrene
Concen: 3.09 ng/ul
RT: 25.67 min Scan# 3925
Delta R.T. -0.01 min
Lab File: BM006106.D
Acq: 28 Jun 2016 21:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	20.4	30.6
277	23.5	20.6	30.8



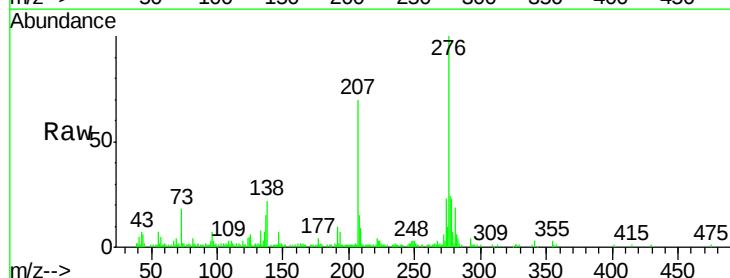
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



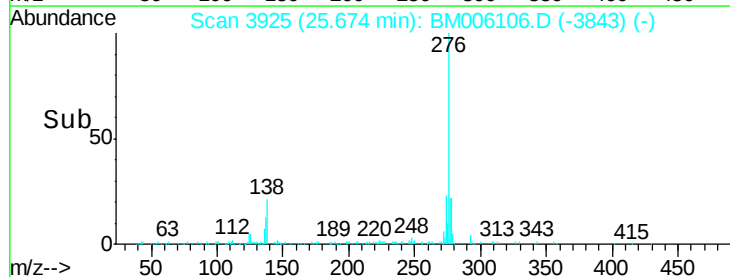
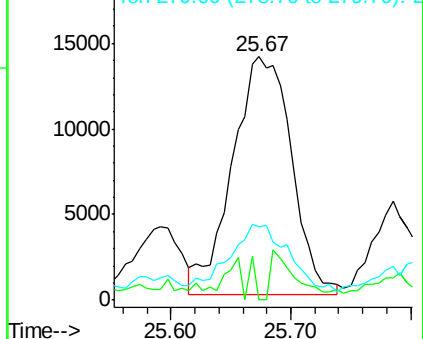
#40

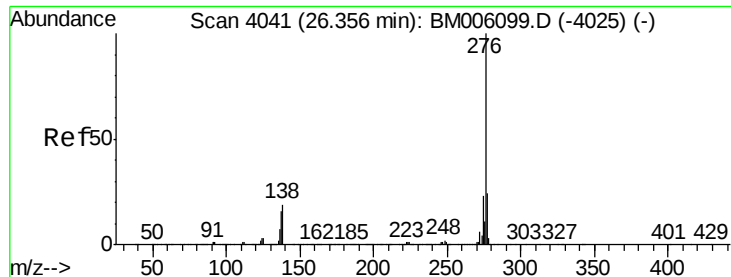
Dibenzo(a,h)anthracene
Concen: 1.06 ng/ul m
RT: 25.67 min Scan# 3925
Delta R.T. -0.02 min
Lab File: BM006106.D
Acq: 28 Jun 2016 21:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	30.2	18.8	28.2#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#41

Benzo(g,h,i)perylene

Concen: 3.28 ng/ul

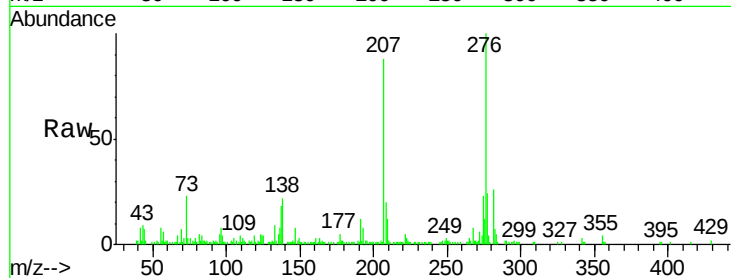
RT: 26.36 min Scan# 4041

Delta R.T. -0.00 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

Tgt Ion:	276	Resp:	148667
Ion	Ratio	Lower	Upper
276	100		
138	21.5	16.6	25.0
277	23.9	18.9	28.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

