

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061516\  
 Data File : BM005804.D  
 Acq On : 15 Jun 2016 02:55  
 Operator : UM/SJ  
 Sample : H3565-12MS  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9Y04MS

Quant Time: Jun 15 05:53:06 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 15 01:42:36 2016  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	127920	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	578391	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	317210	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	683384	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	715257	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	765420	20.00	ng/ul	0.00

## System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	4210	1.52	ng/uL	0.00
3) Phenol-d5	6.92	99	145391	13.84	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	110027	17.59	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	141526	16.17	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	85886	9.67	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	70475	17.21	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	78430	17.23	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	133412	15.32	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	112438	11.75	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	432638	17.18	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	566151	17.70	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	29224	10.09	ng/ul	0.00
21) Fluorene-d10	15.38	176	385602	18.39	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	36998	12.10	ng/ul	0.00
26) Anthracene-d10	17.23	188	576206	18.18	ng/ul	0.00
30) Pyrene-d10	19.53	212	620499	17.83	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	614780	17.39	ng/ul	0.00

## Target Compounds

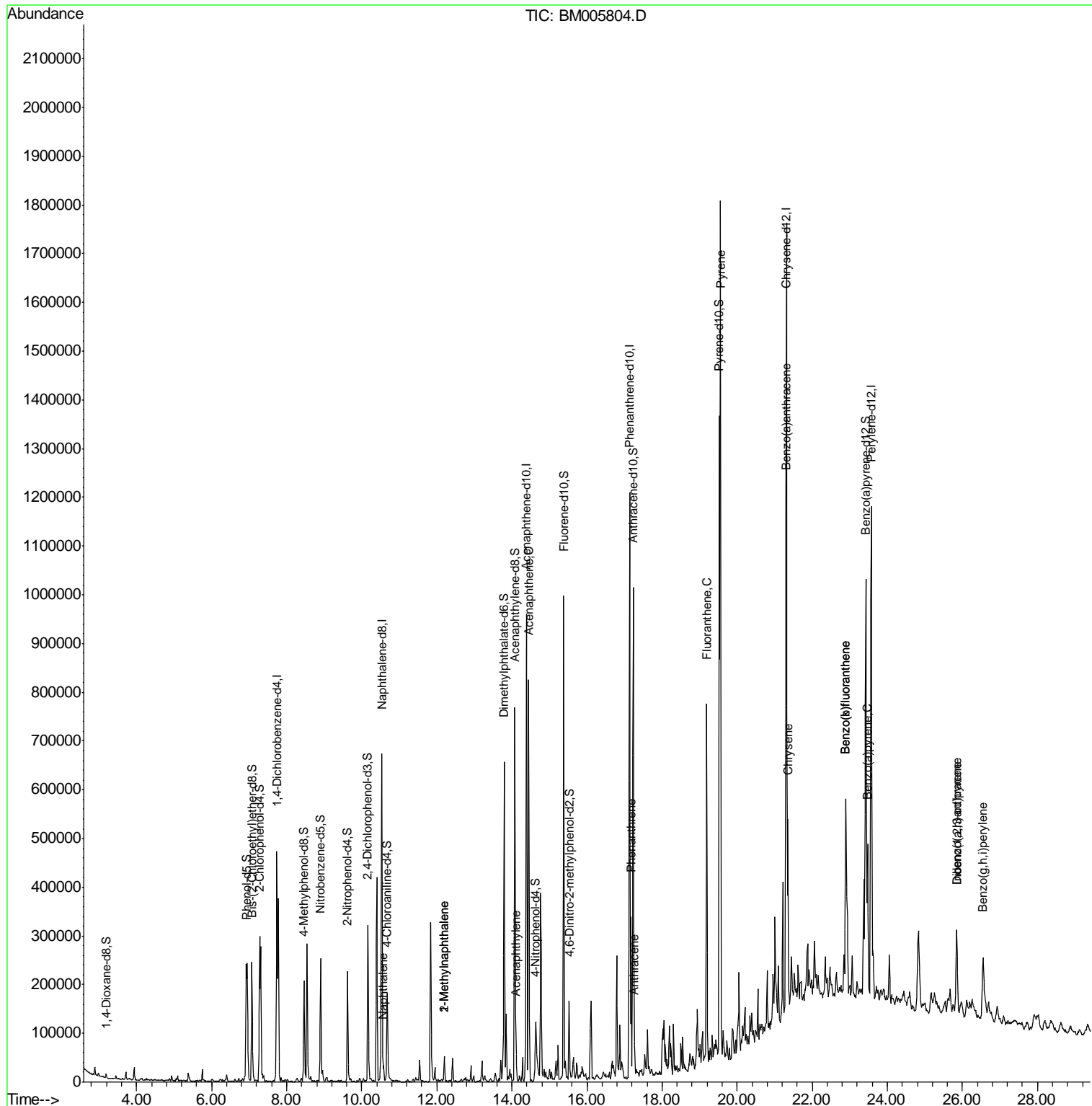
						Qvalue
11) Naphthalene	10.58	128	30601	1.06	ng/ul	98
13) 2-Methylnaphthalene	12.20	142	27044	1.30	ng/ul	99
14) 1-Methylnaphthalene	12.20	142	27044	1.29	ng/ul	96
18) Acenaphthylene	14.11	152	37034	1.15	ng/ul	96
19) Acenaphthene	14.45	153	337087	15.96	ng/ul	100
25) Phenanthrene	17.17	178	188433	5.03	ng/ul	99
27) Anthracene	17.26	178	39557	1.07	ng/ul	99
28) Fluoranthene	19.19	202	424380	10.64	ng/ul	100
31) Pyrene	19.56	202	1034667	23.55	ng/ul	97
32) Benzo(a)anthracene	21.30	228	205718	4.97	ng/ul	96
33) Chrysene	21.35	228	225435	5.56	ng/ul	98
35) Benzo(b)fluoranthene	22.89	252	351747	7.69	ng/ul	98
36) Benzo(k)fluoranthene	22.89	252	351747	8.31	ng/ul	99
38) Benzo(a)pyrene	23.47	252	218937	5.01	ng/ul	100
39) Indeno(1,2,3-cd)pyrene	25.85	276	170769	3.41	ng/ul	95
40) Dibenzo(a,h)anthracene	25.85	278	45201	1.08	ng/ul#	79
41) Benzo(g,h,i)perylene	26.56	276	149366	3.44	ng/ul	99

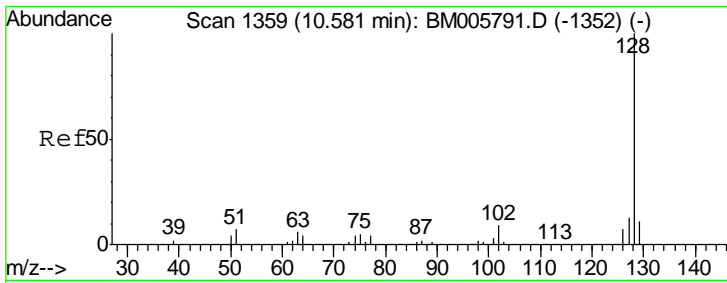
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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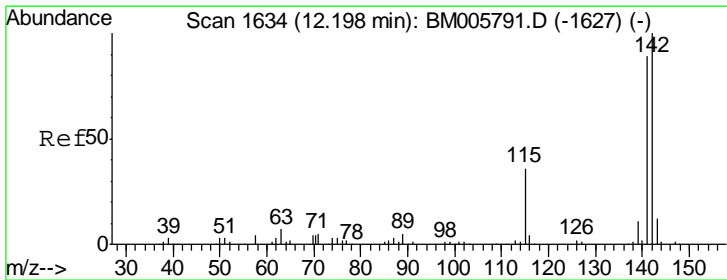
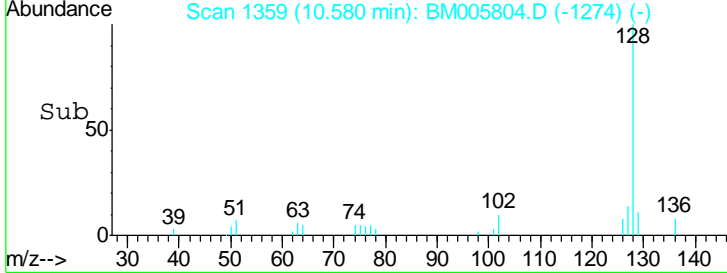
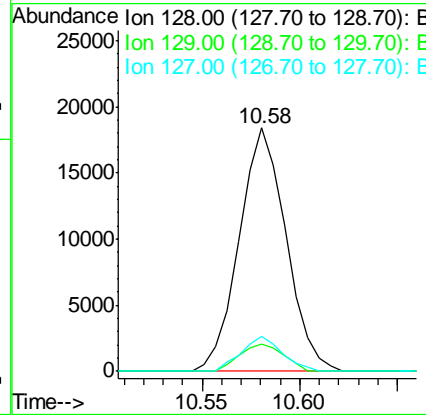
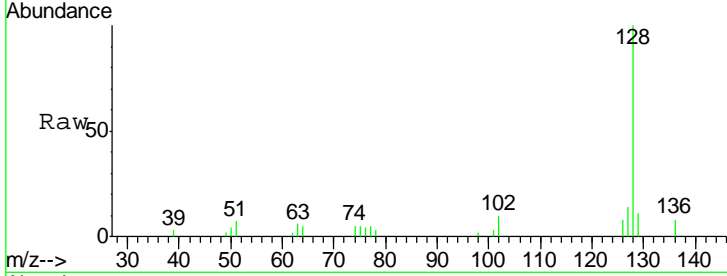




#11  
 Naphthalene  
 Concen: 1.06 ng/ul  
 RT: 10.58 min Scan# 1359  
 Delta R.T. -0.00 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

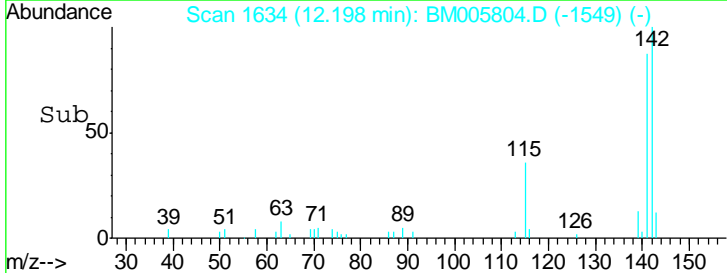
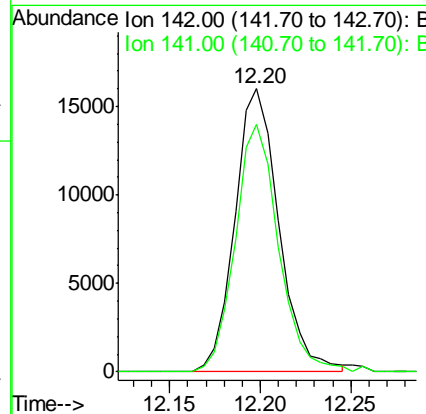
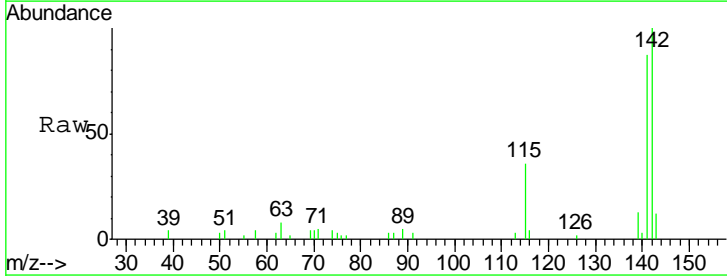
Instrument :  
 BNA\_M  
 ClientSampled :  
 D9Y04MS

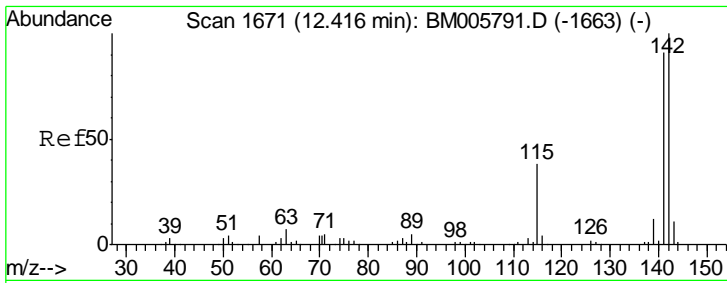
Tgt Ion	Resp	Lower	Upper
128	30601		
129	11.2	8.9	13.3
127	14.2	10.5	15.7



#13  
 2-Methylnaphthalene  
 Concen: 1.30 ng/ul  
 RT: 12.20 min Scan# 1634  
 Delta R.T. -0.00 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

Tgt Ion	Resp	Lower	Upper
142	27044		
141	87.5	69.0	103.6

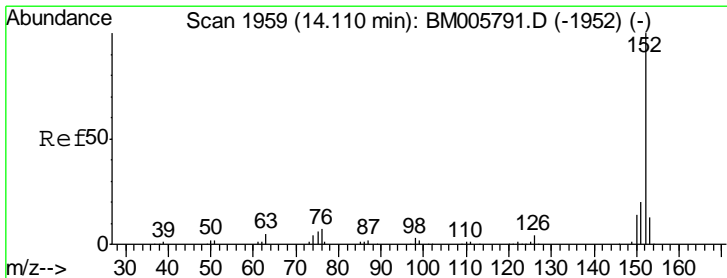
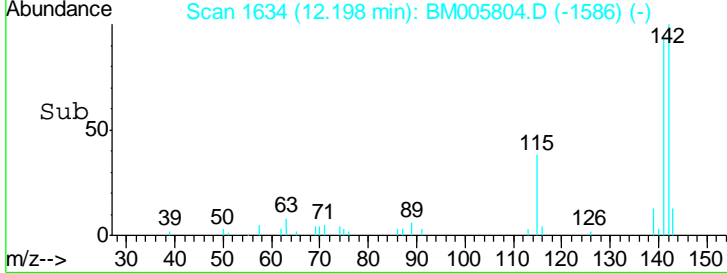
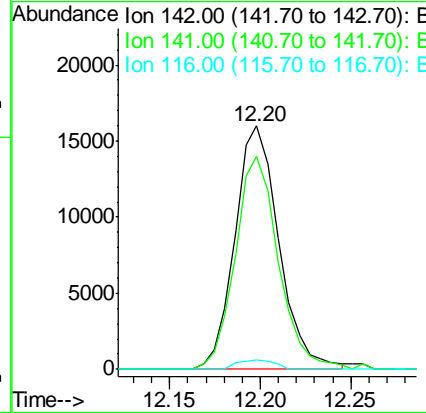
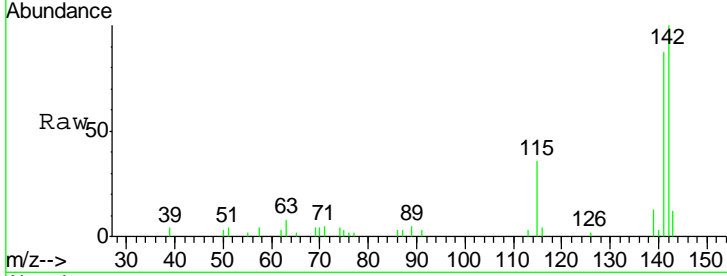




#14  
 1-Methylnaphthalene  
 Concen: 1.29 ng/ul  
 RT: 12.20 min Scan# 1634  
 Delta R.T. -0.22 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

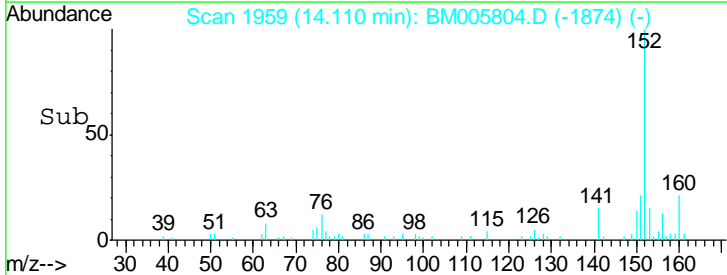
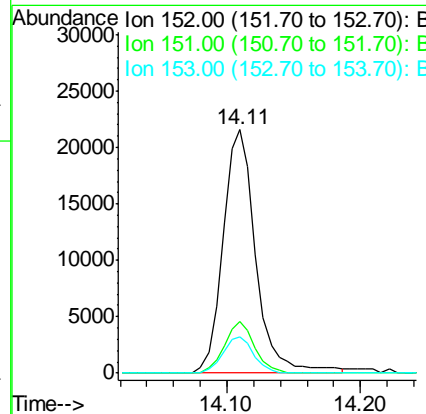
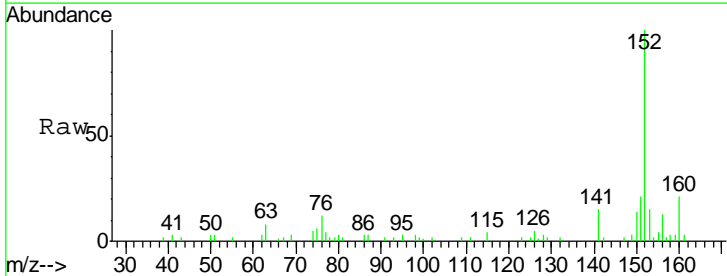
Instrument :  
 BNA\_M  
 ClientSampled :  
 D9Y04MS

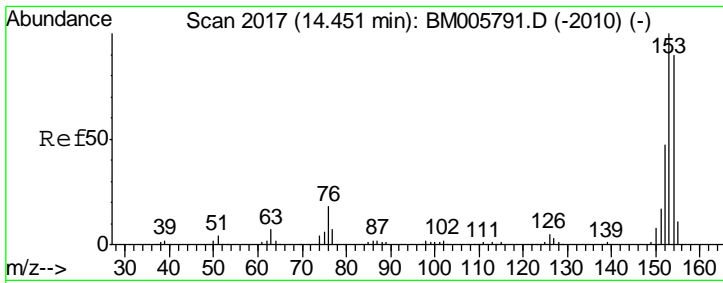
Tgt Ion	Resp	Lower	Upper
142	100		
141	87.5	73.0	109.4
116	3.8	3.0	4.6



#18  
 Acenaphthylene  
 Concen: 1.15 ng/ul  
 RT: 14.11 min Scan# 1959  
 Delta R.T. -0.00 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

Tgt Ion	Resp	Lower	Upper
152	100		
151	21.2	15.8	23.6
153	15.1	10.3	15.5

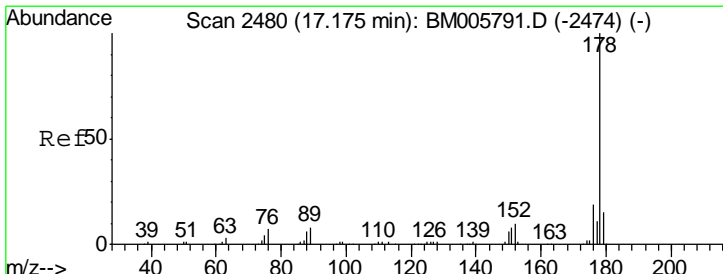
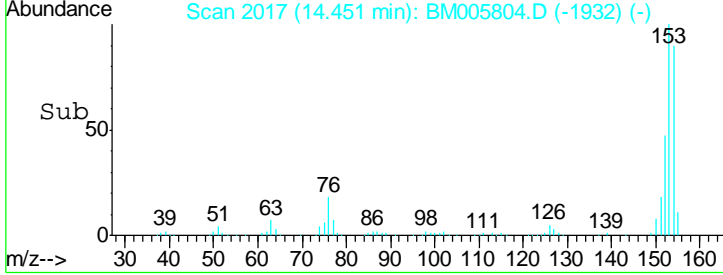
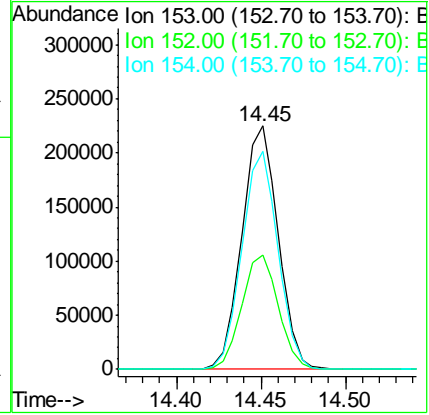
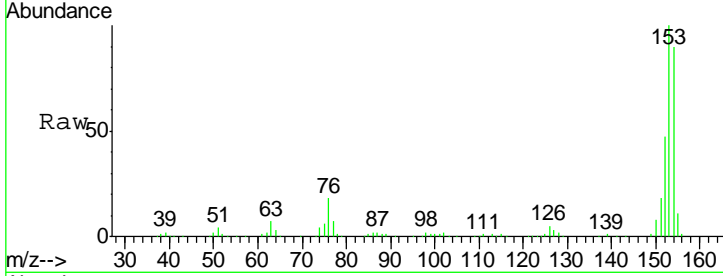




#19  
 Acenaphthene  
 Concen: 15.96 ng/ul  
 RT: 14.45 min Scan# 2017  
 Delta R.T. -0.00 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

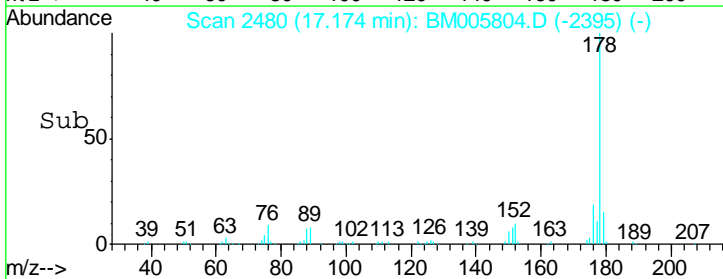
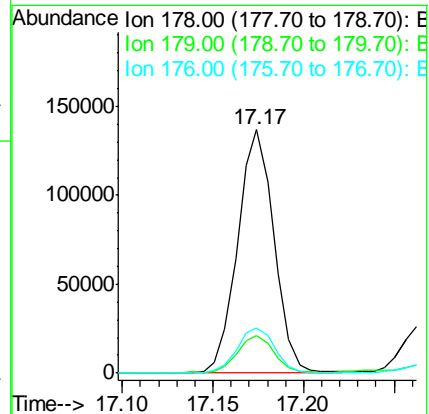
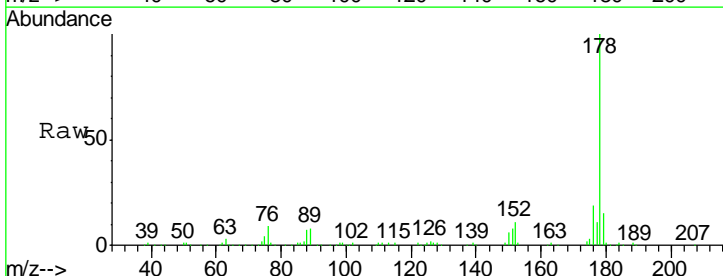
Instrument :  
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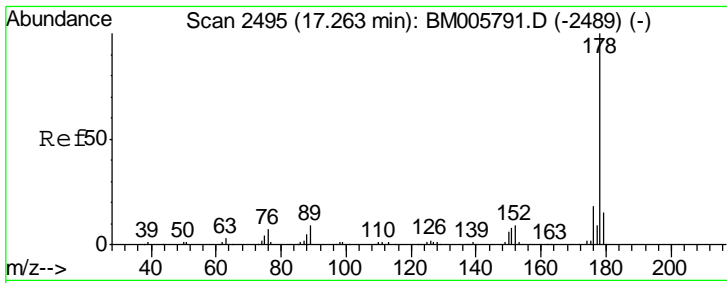
Tgt Ion	Resp	Lower	Upper
153	337087		
152	47.2	38.1	57.1
154	89.8	71.6	107.4



#25  
 Phenanthrene  
 Concen: 5.03 ng/ul  
 RT: 17.17 min Scan# 2480  
 Delta R.T. -0.00 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

Tgt Ion	Resp	Lower	Upper
178	188433		
179	15.4	12.2	18.2
176	18.6	15.3	22.9

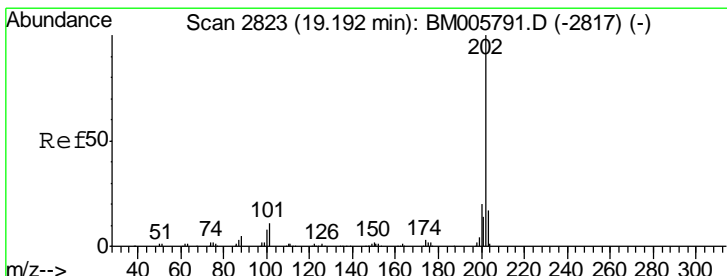
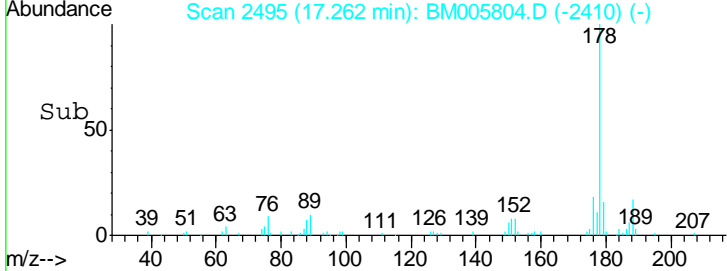
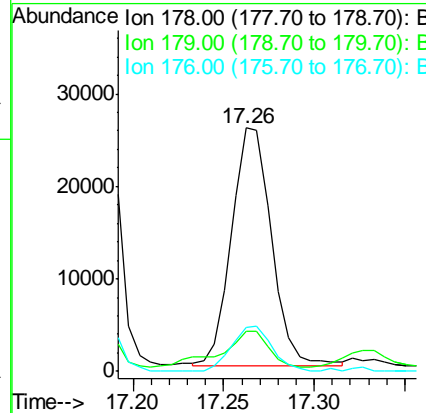
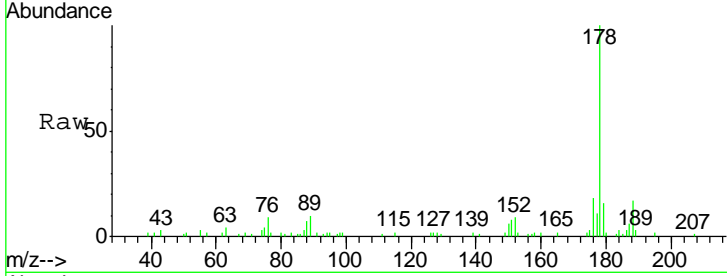




#27  
 Anthracene  
 Concen: 1.07 ng/ul  
 RT: 17.26 min Scan# 2495  
 Delta R.T. -0.00 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

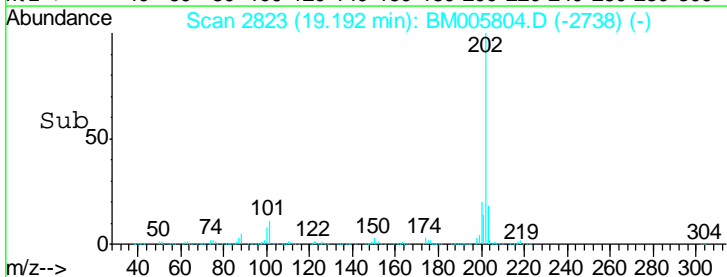
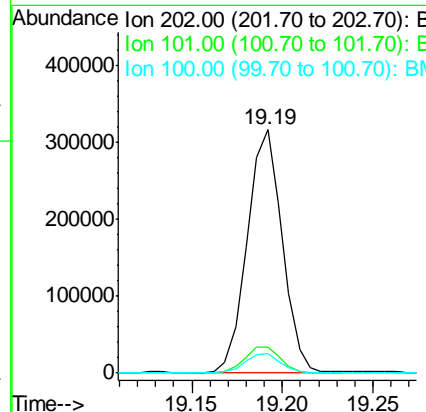
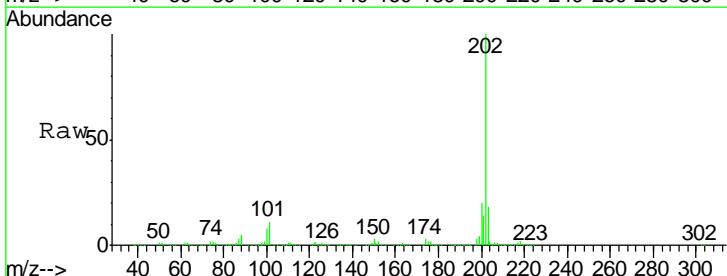
Instrument :  
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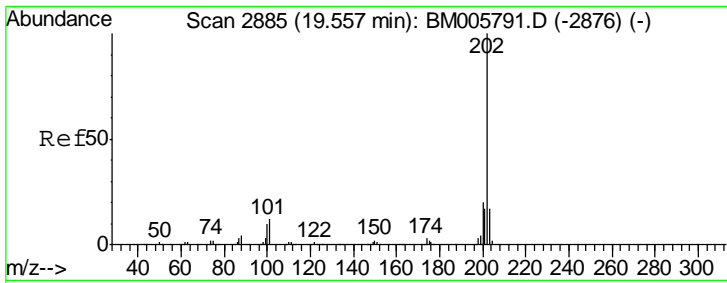
Tgt Ion	Resp	Lower	Upper
178	39557		
179	16.3	12.3	18.5
176	18.3	14.6	22.0



#28  
 Fluoranthene  
 Concen: 10.64 ng/ul  
 RT: 19.19 min Scan# 2823  
 Delta R.T. -0.00 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

Tgt Ion	Resp	Lower	Upper
202	424380		
101	10.8	8.5	12.7
100	8.1	6.5	9.7

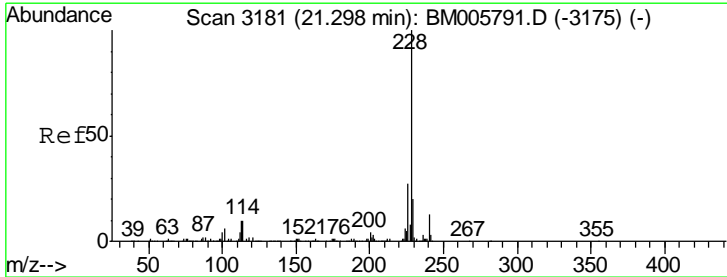
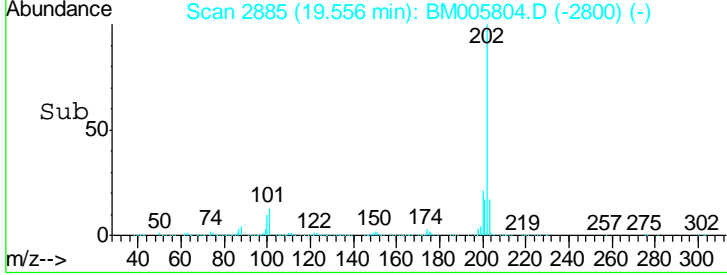
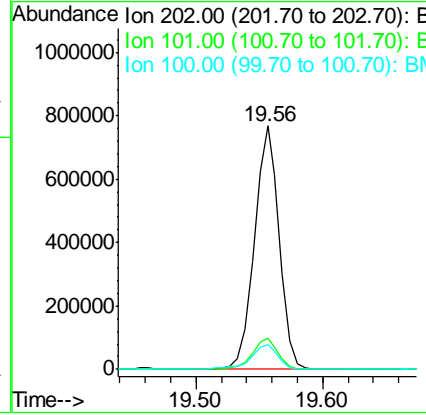
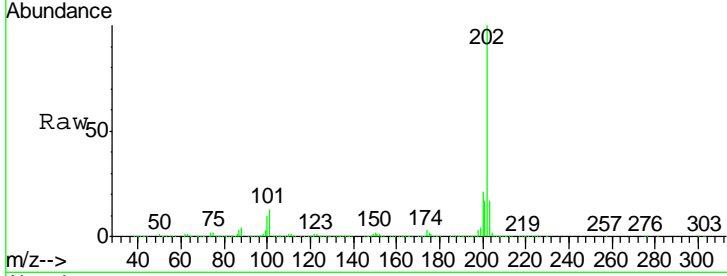




#31  
 Pyrene  
 Concen: 23.55 ng/ul  
 RT: 19.56 min Scan# 2885  
 Delta R.T. -0.00 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

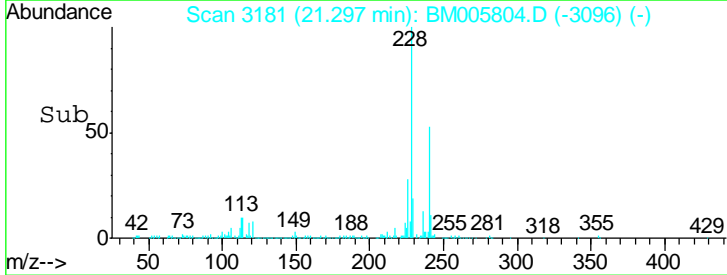
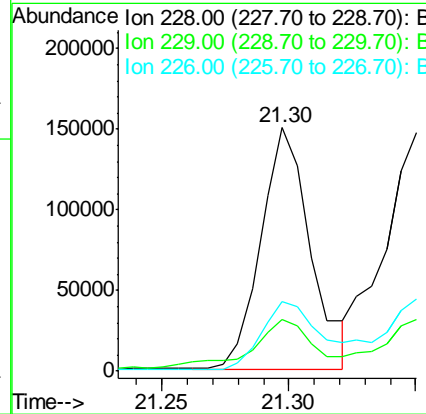
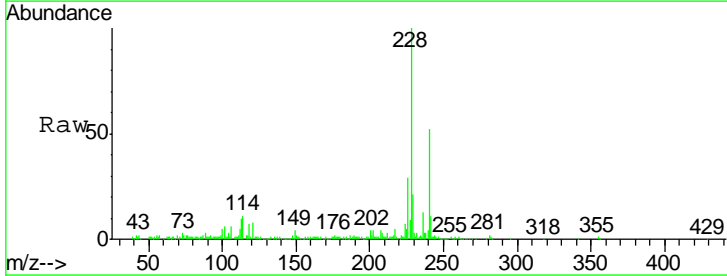
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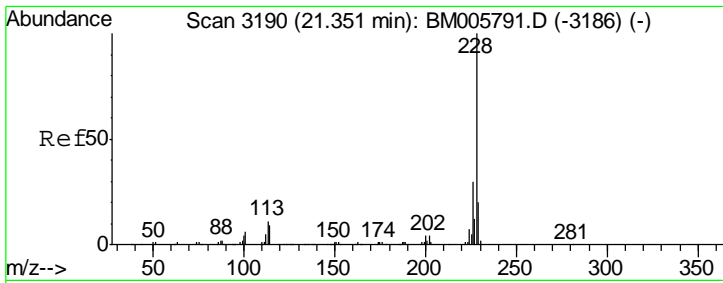
Tgt Ion	Resp	Lower	Upper
202	1034667		
101	12.7	11.0	16.4
100	9.9	8.9	13.3



#32  
 Benzo(a)anthracene  
 Concen: 4.97 ng/ul  
 RT: 21.30 min Scan# 3181  
 Delta R.T. -0.00 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

Tgt Ion	Resp	Lower	Upper
228	205718		
229	21.3	15.6	23.4
226	28.8	21.6	32.4

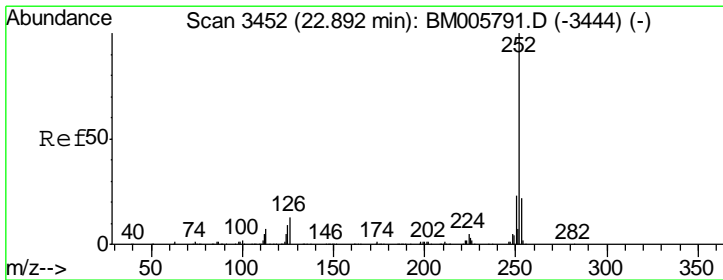
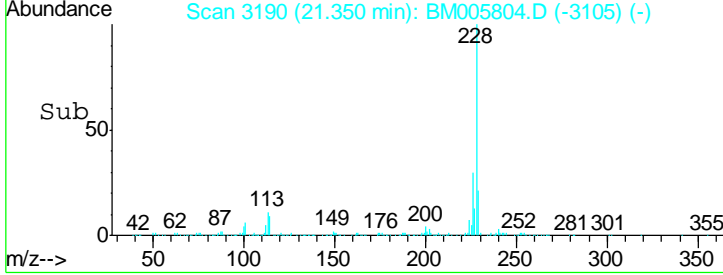
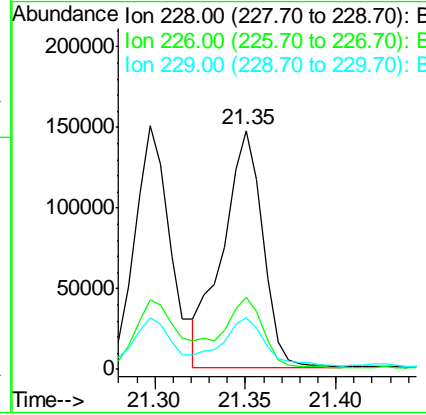
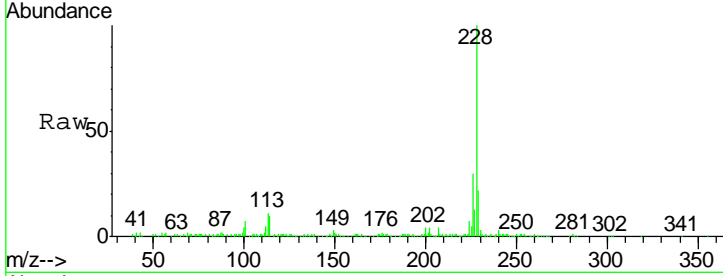




#33  
 Chrysene  
 Concen: 5.56 ng/ul  
 RT: 21.35 min Scan# 3190  
 Delta R.T. -0.00 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

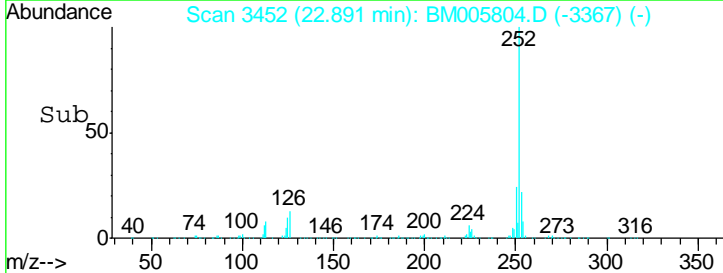
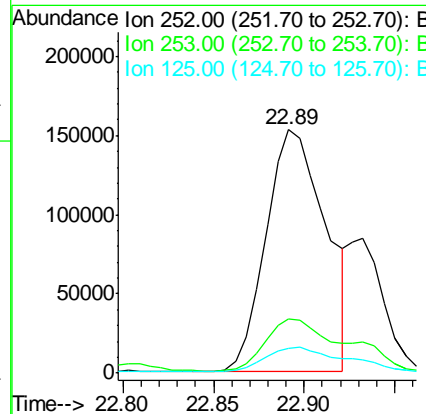
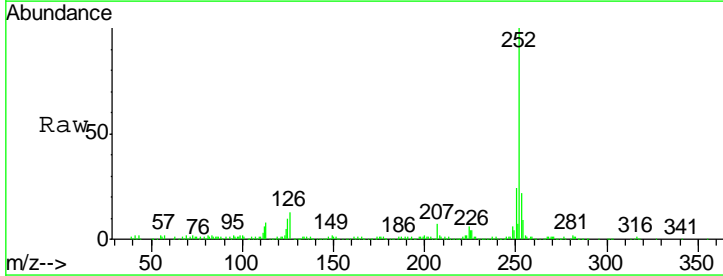
Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9Y04MS

Tgt Ion	Resp	Lower	Upper
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226	30.3	23.8	35.6
229	21.7	15.8	23.6

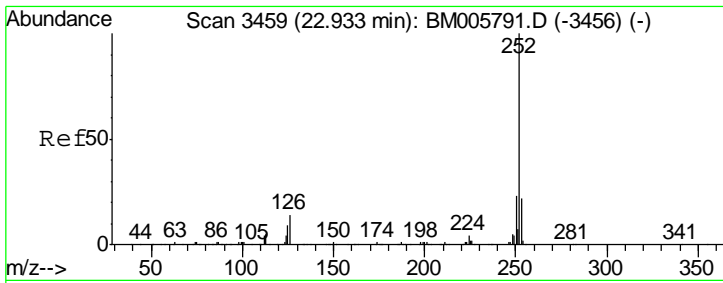


#35  
 Benzo(b)fluoranthene  
 Concen: 7.69 ng/ul  
 RT: 22.89 min Scan# 3452  
 Delta R.T. -0.00 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	10.2	7.8	11.6



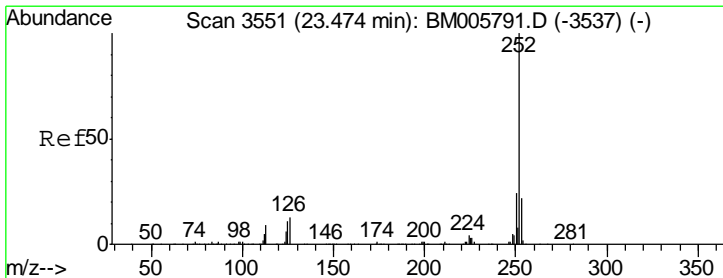
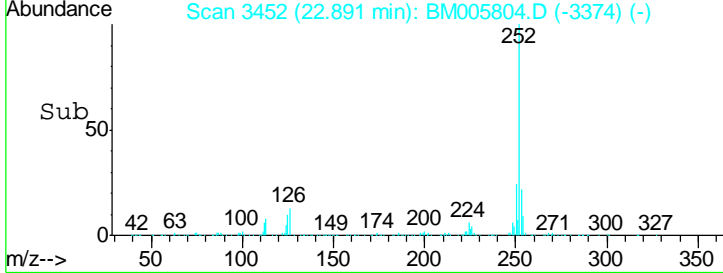
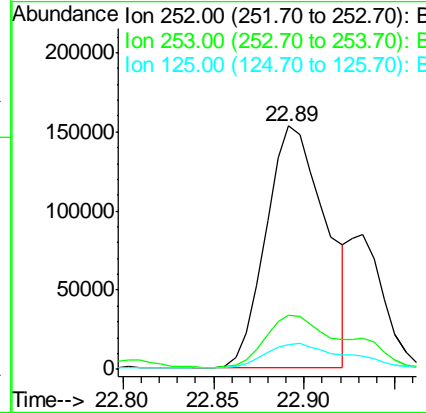
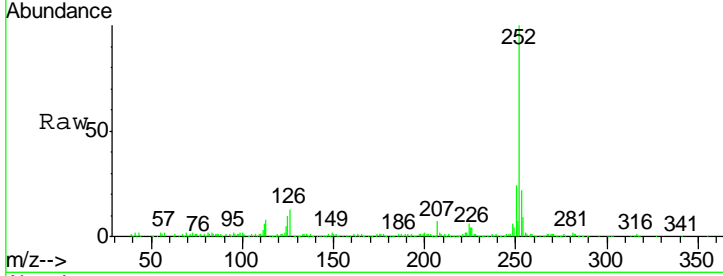




#36  
 Benzo(k)fluoranthene  
 Concen: 8.31 ng/ul  
 RT: 22.89 min Scan# 3452  
 Delta R.T. -0.04 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

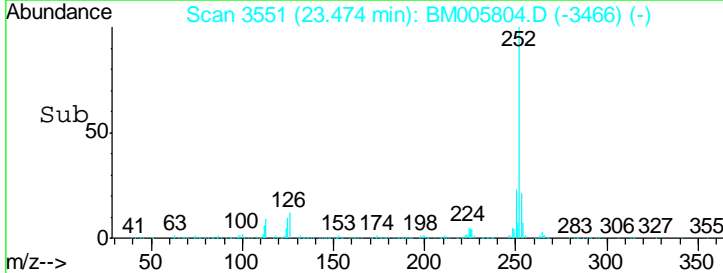
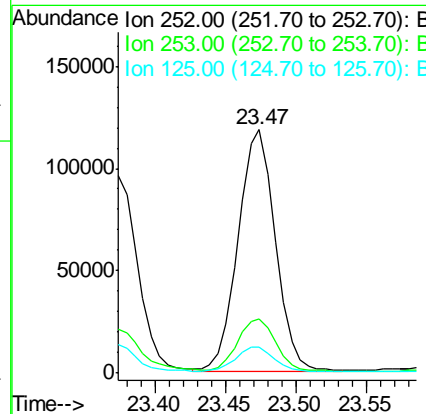
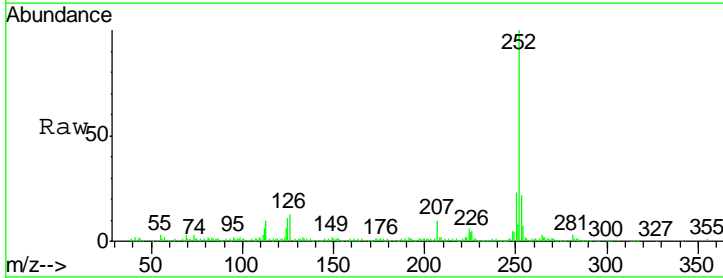
Instrument :  
 BNA\_M  
 ClientSampled :  
 D9Y04MS

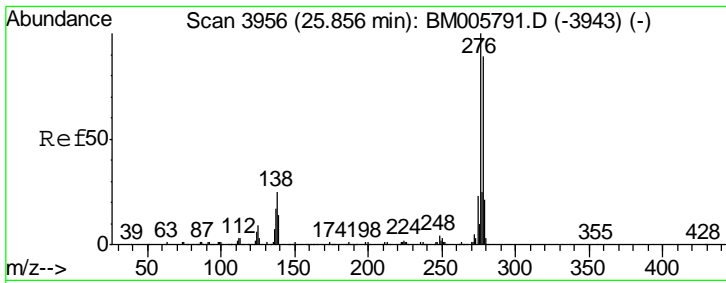
Tgt Ion	Resp	Lower	Upper
252	351747		
253	22.5	17.6	26.4
125	10.2	8.1	12.1



#38  
 Benzo(a)pyrene  
 Concen: 5.01 ng/ul  
 RT: 23.47 min Scan# 3551  
 Delta R.T. -0.00 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

Tgt Ion	Resp	Lower	Upper
252	218937		
253	22.1	17.8	26.6
125	10.5	8.7	13.1

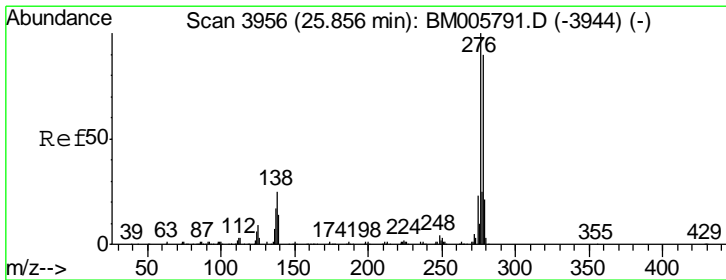
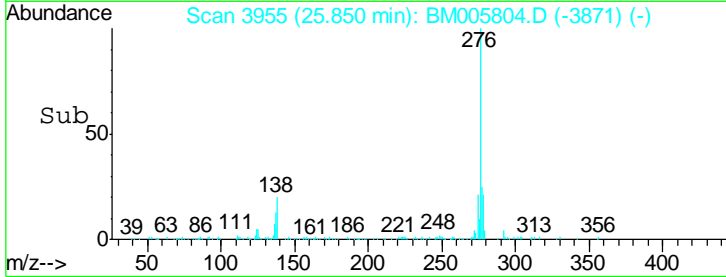
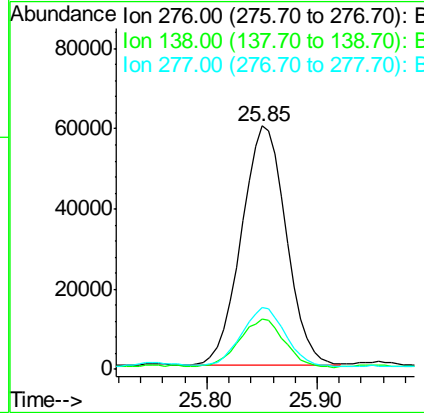
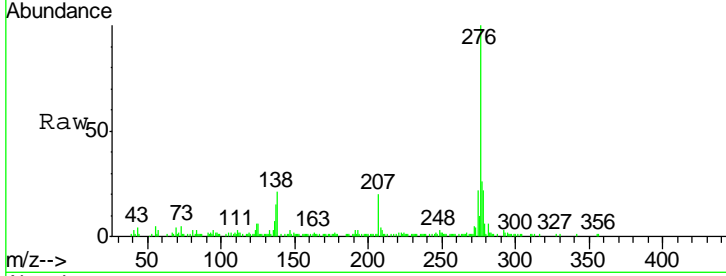




#39  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.41 ng/ul  
 RT: 25.85 min Scan# 3955  
 Delta R.T. -0.01 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

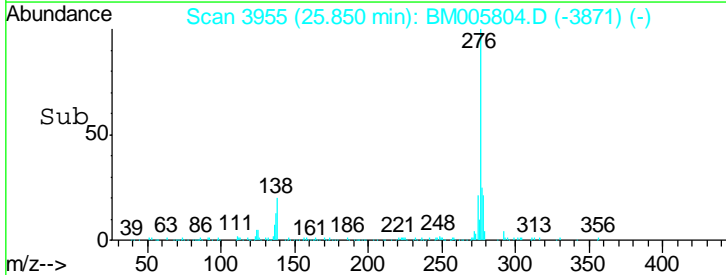
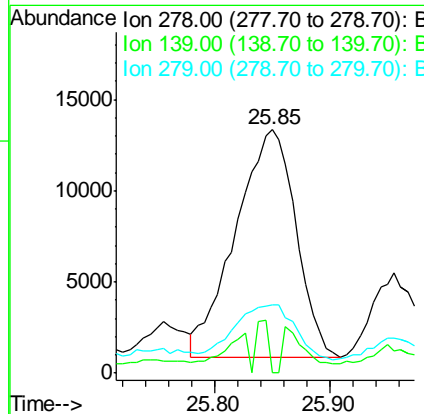
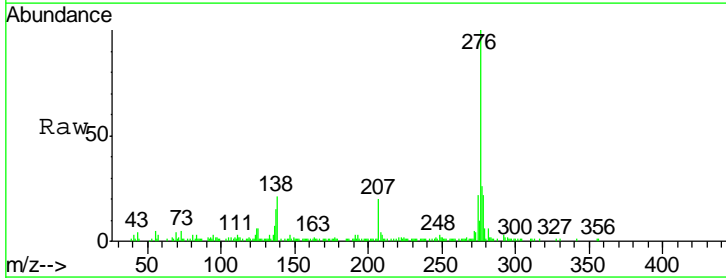
Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9Y04MS

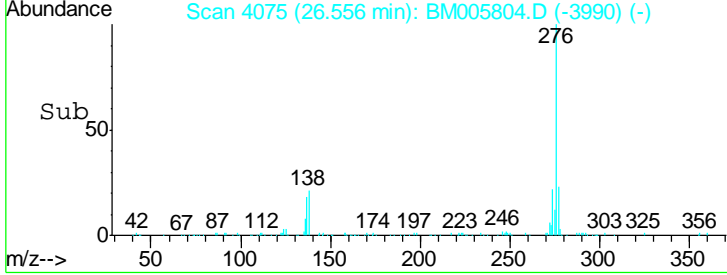
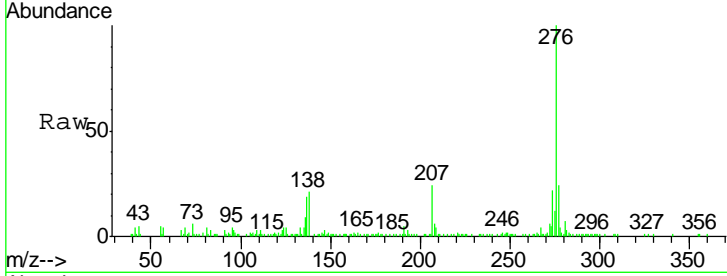
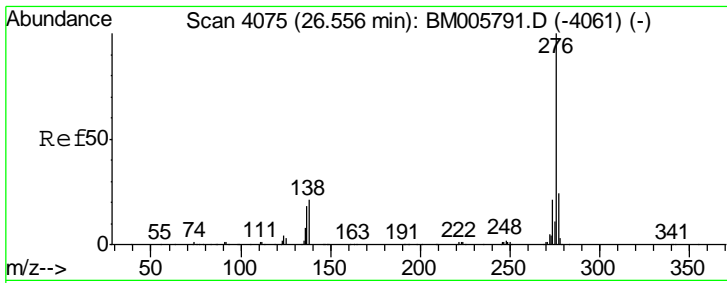
Tgt Ion	Resp	Lower	Upper
276	170769		
138	20.7	20.4	30.6
277	25.6	20.6	30.8



#40  
 Dibenzo(a,h)anthracene  
 Concen: 1.08 ng/ul  
 RT: 25.85 min Scan# 3955  
 Delta R.T. -0.01 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

Tgt Ion	Resp	Lower	Upper
278	45201		
139	0.0	13.0	19.4#
279	27.8	18.8	28.2





#41  
 Benzo(g,h,i)perylene  
 Concen: 3.44 ng/ul  
 RT: 26.56 min Scan# 4075  
 Delta R.T. -0.00 min  
 Lab File: BM005804.D  
 Acq: 15 Jun 2016 02:55

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9Y04MS

Tgt Ion	Resp	Lower	Upper
276	149366		
138	21.5	16.6	25.0
277	24.2	18.9	28.3

