

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\  
 Data File : BG042209.D  
 Acq On : 14 Aug 2019 14:30  
 Operator : HP/JU  
 Sample : K4304-13  
 Misc :  
 ALS Vial : 71 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB5P4

Quant Time: Aug 14 16:49:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 14 10:42:59 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	94857	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	389747	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	266781	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	536071	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	519636	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	625039	20.00	ng/ul	0.00

## System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	7870	3.63	ng/uL	0.00
5) Phenol-d5	7.18	99	193235	25.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	96749	23.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	174973	27.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	158837	25.41	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	88312	30.10	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	109974	32.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	204630	29.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	229439	30.07	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	608693	29.42	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	719738	30.45	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	85602	24.64	ng/ul	0.00
57) Fluorene-d10	15.68	176	543027	29.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	86332	25.10	ng/ul	0.00
70) Anthracene-d10	17.54	188	768430	29.88	ng/ul	0.00
78) Pyrene-d10	19.83	212	882881	30.45	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	1028596	31.50	ng/ul	0.00

## Target Compounds

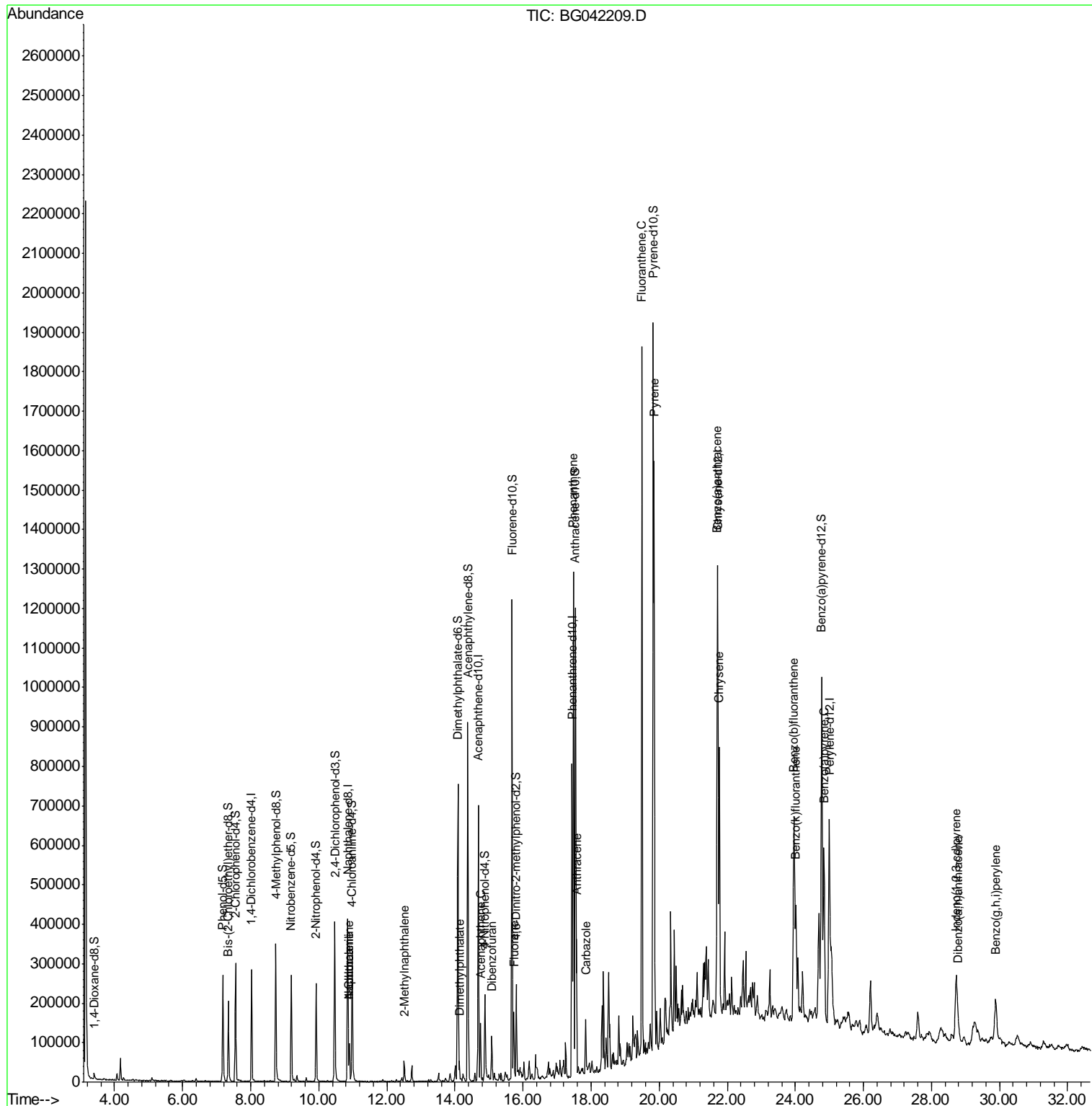
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	10.90	128	88179	4.426	ng/ul	98
30) 4-Chloroaniline	10.90	127	11952	1.559	ng/ul#	16
34) 2-Methylnaphthalene	12.51	142	31165	1.968	ng/ul	97
44) Dimethylphthalate	14.13	163	33304	1.621	ng/ul	97
49) Acenaphthene	14.75	153	66115	3.964	ng/ul	94
53) Dibenzofuran	15.09	168	69219	2.781	ng/ul	99
58) Fluorene	15.73	166	80692	4.024	ng/ul	100
69) Phenanthrene	17.48	178	888805	30.286	ng/ul	98
71) Anthracene	17.57	178	225919	7.590	ng/ul	97
74) Carbazole	17.84	167	100547	4.078	ng/ul	99
76) Fluoranthene	19.49	202	1160244	34.217	ng/ul	99
79) Pyrene	19.86	202	982243	28.101	ng/ul	99
82) Benzo(a)anthracene	21.70	228	586377	16.275	ng/ul	98
84) Chrysene	21.77	228	523781	15.576	ng/ul	98
87) Benzo(b)fluoranthene	23.96	252	712647	18.168	ng/ul	100
88) Benzo(k)fluoranthene	24.02	252	270205	7.165	ng/ul	99
90) Benzo(a)pyrene	24.84	252	534166	14.291	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	28.72	276	318887	7.315	ng/ul	98
92) Dibenzo(a,h)anthracene	28.78	278	81319	2.287	ng/ul	97
93) Benzo(g,h,i)perylene	29.89	276	261692	7.190	ng/ul	96

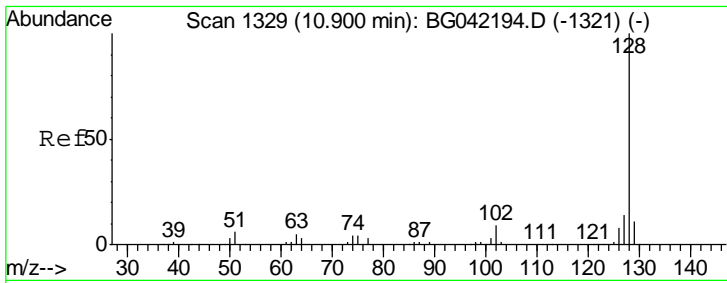
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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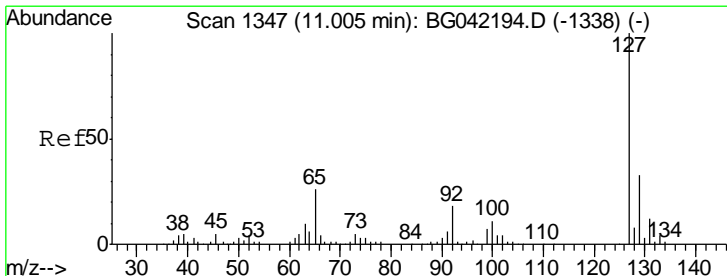
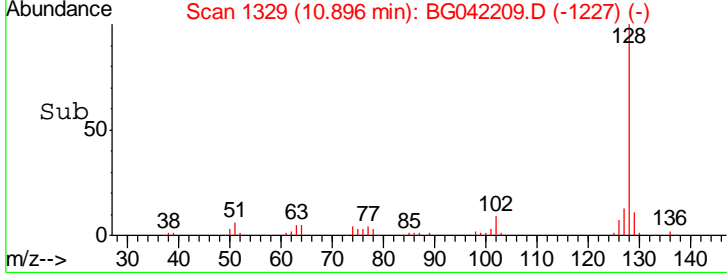
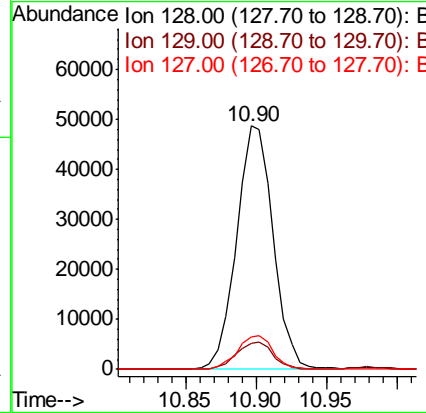
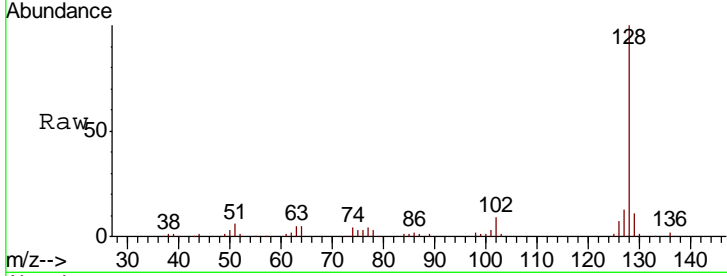




#28  
 Naphthalene  
 Concen: 4.426 ng/ul  
 RT: 10.90 min Scan# 1329  
 Delta R.T. -0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

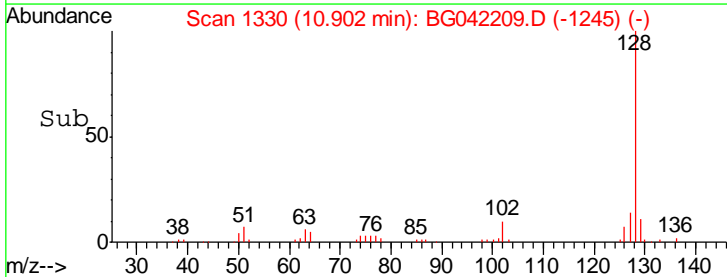
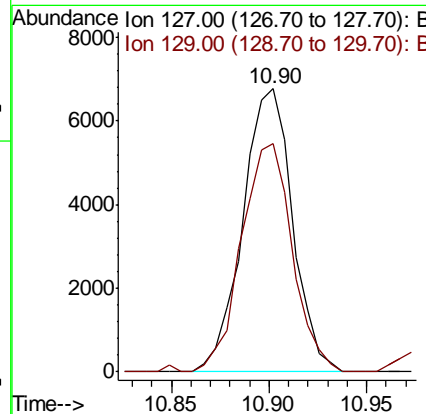
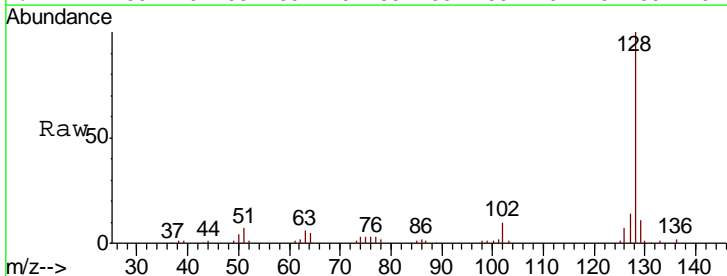
Instrument :  
 BNA\_G  
 ClientSampled :  
 CB5P4

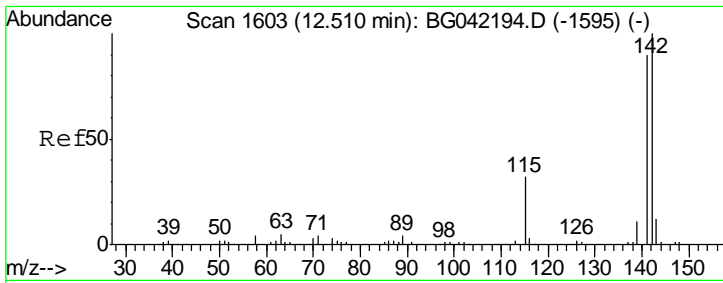
Tgt Ion	Resp	Lower	Upper
128	88179		
129	10.9	9.5	14.3
127	13.3	11.4	17.0



#30  
 4-Chloroaniline  
 Concen: 1.559 ng/ul  
 RT: 10.90 min Scan# 1330  
 Delta R.T. -0.10 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

Tgt Ion	Resp	Lower	Upper
127	11952		
129	80.7	26.5	39.7#

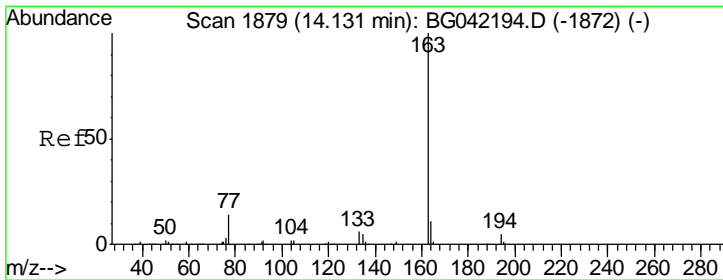
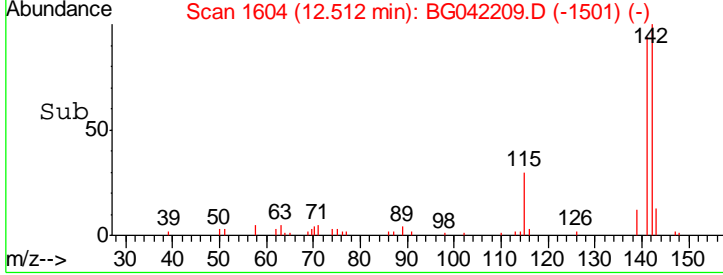
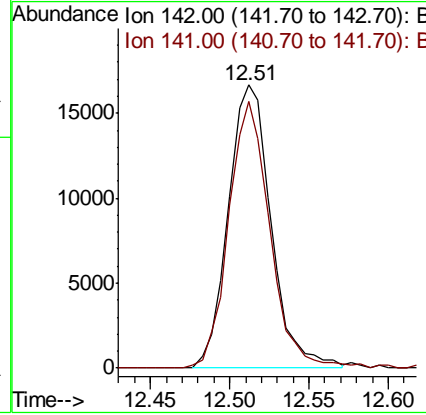
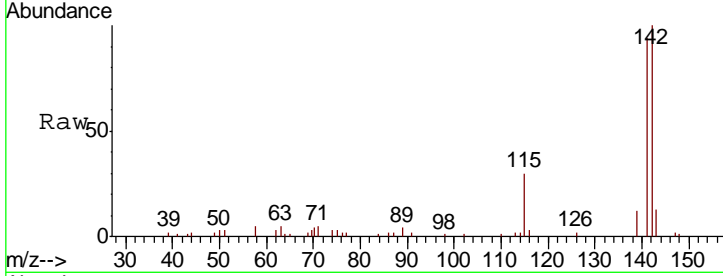




#34  
 2-Methylnaphthalene  
 Concen: 1.968 ng/ul  
 RT: 12.51 min Scan# 1604  
 Delta R.T. 0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

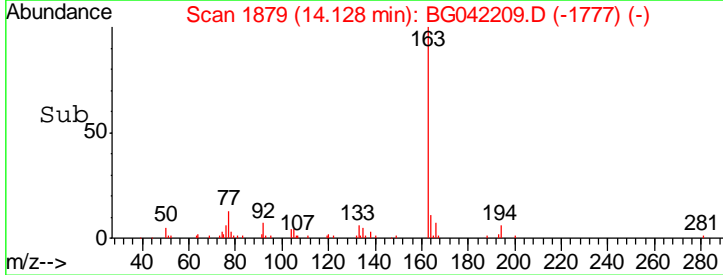
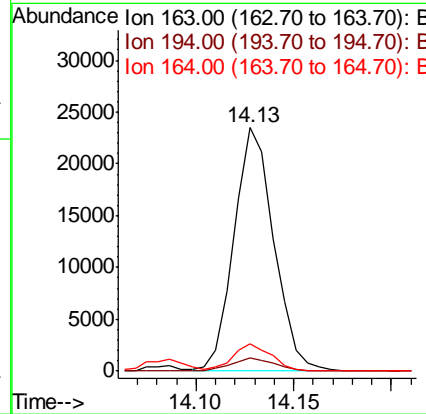
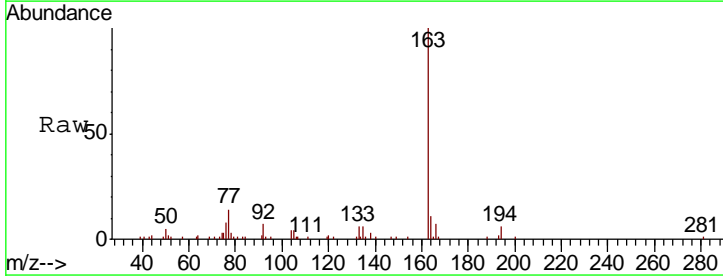
Instrument :  
 BNA\_G  
 ClientSampled :  
 CB5P4

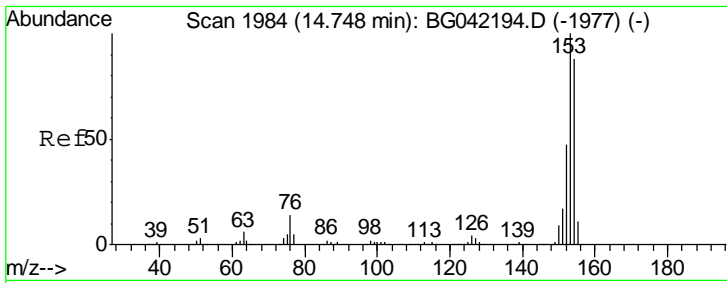
Tgt Ion:142 Resp: 31165  
 Ion Ratio Lower Upper  
 142 100  
 141 94.0 72.9 109.3



#44  
 Dimethylphthalate  
 Concen: 1.621 ng/ul  
 RT: 14.13 min Scan# 1879  
 Delta R.T. -0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

Tgt Ion:163 Resp: 33304  
 Ion Ratio Lower Upper  
 163 100  
 194 5.6 4.2 6.2  
 164 11.3 7.8 11.8





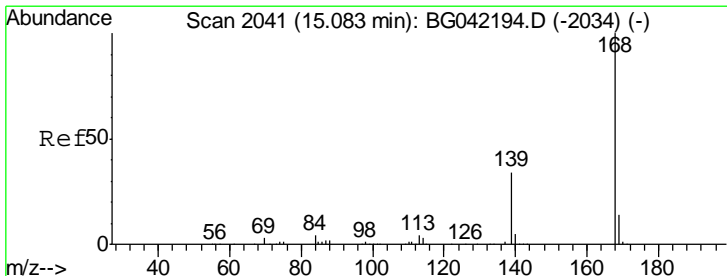
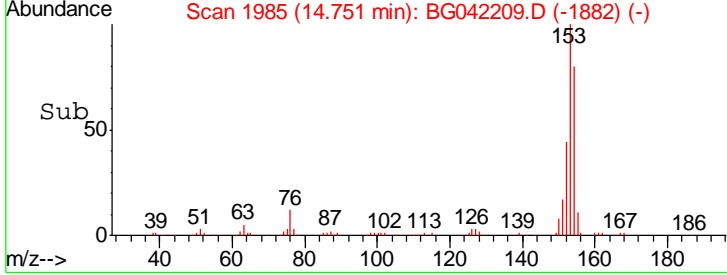
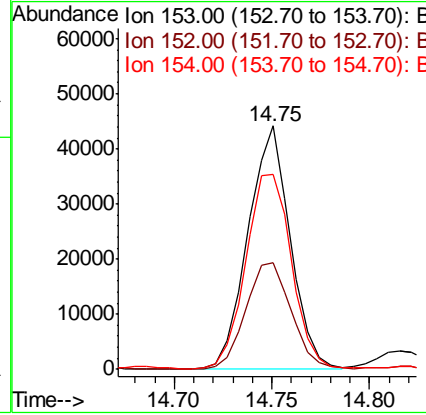
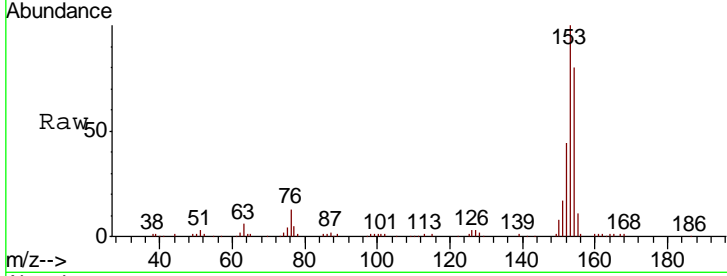
#49

Acenaphthene

Concen: 3.964 ng/ul  
 RT: 14.75 min Scan# 1985  
 Delta R.T. 0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

Instrument :  
 BNA\_G  
 ClientSampled :  
 CB5P4

Tgt Ion	Resp	Lower	Upper
153	66115		
152	43.8	37.8	56.8
154	80.3	69.4	104.2

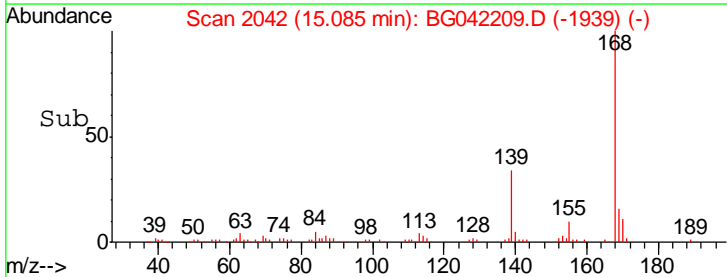
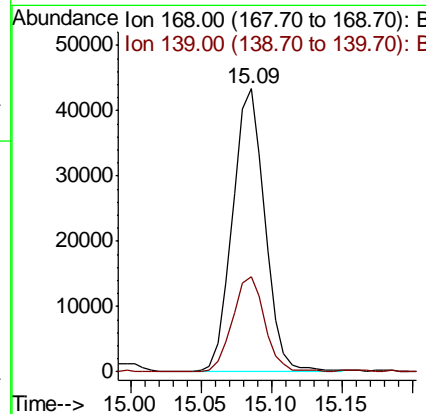
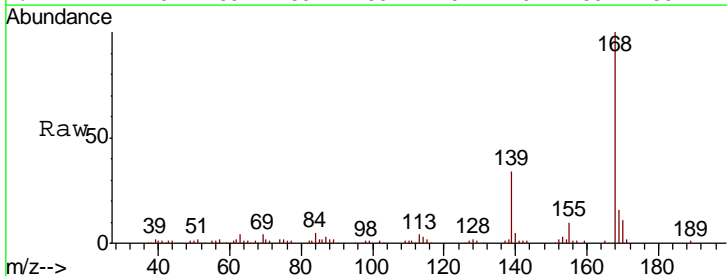


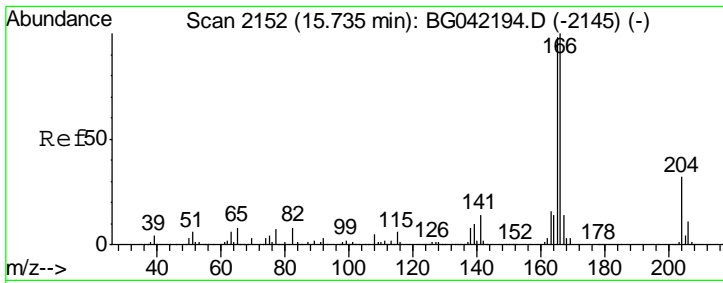
#53

Dibenzofuran

Concen: 2.781 ng/ul  
 RT: 15.09 min Scan# 2042  
 Delta R.T. 0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

Tgt Ion	Resp	Lower	Upper
168	69219		
139	33.6	27.3	40.9

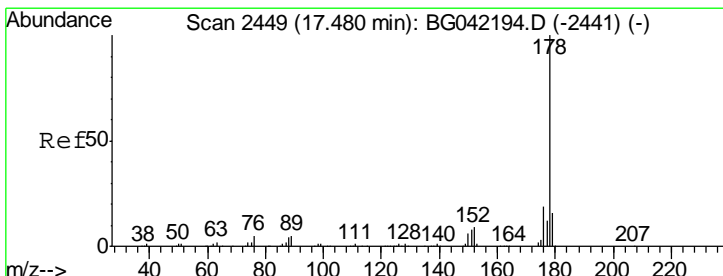
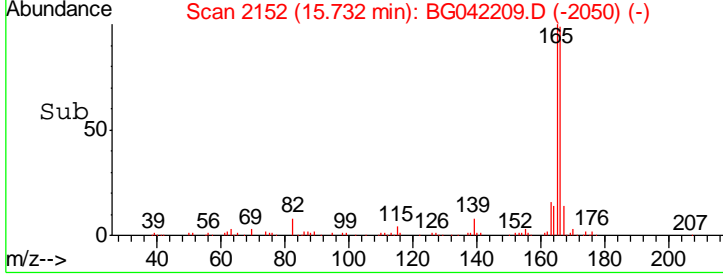
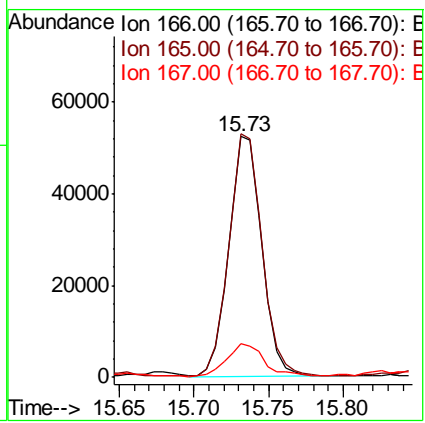
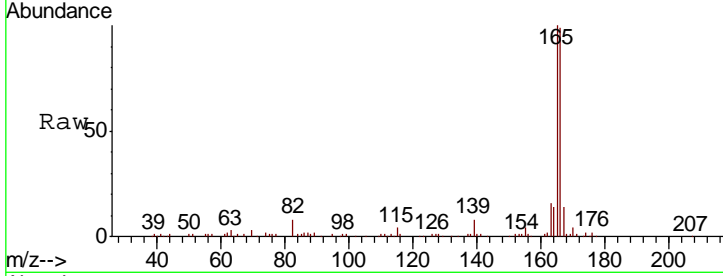




#58  
 Fluorene  
 Concen: 4.024 ng/ul  
 RT: 15.73 min Scan# 2152  
 Delta R.T. -0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

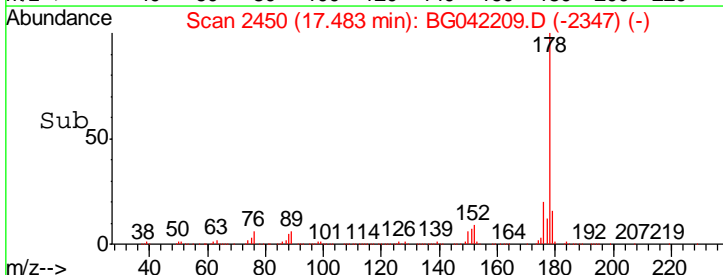
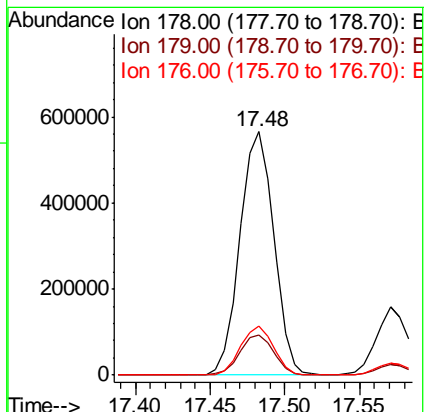
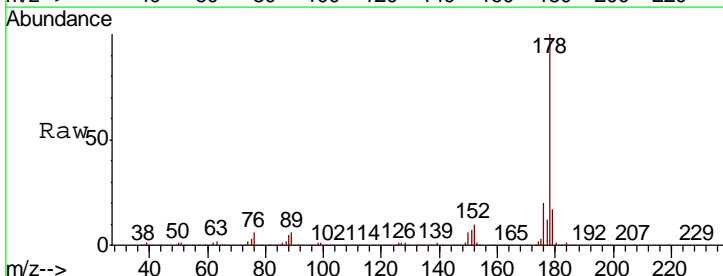
Instrument :  
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 ClientSampled :  
 CB5P4

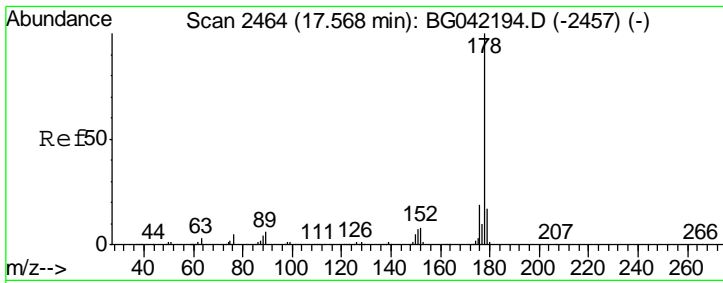
Tgt Ion	Resp	Lower	Upper
166	100		
165	101.1	81.1	121.7
167	14.1	11.0	16.4



#69  
 Phenanthrene  
 Concen: 30.286 ng/ul  
 RT: 17.48 min Scan# 2450  
 Delta R.T. 0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

Tgt Ion	Resp	Lower	Upper
178	100		
179	16.6	12.8	19.2
176	20.2	15.4	23.2

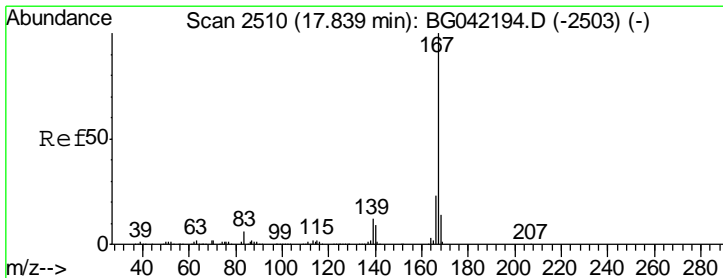
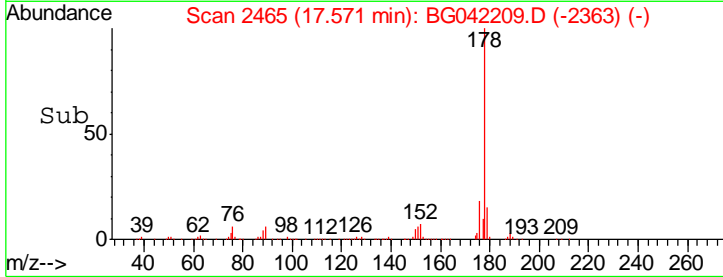
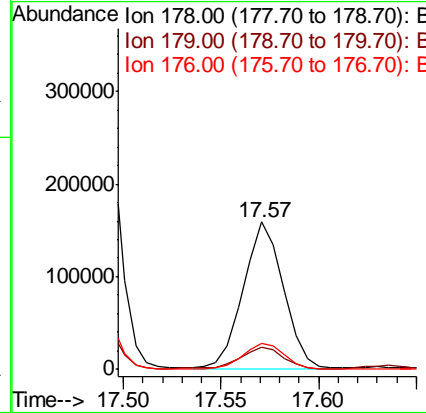
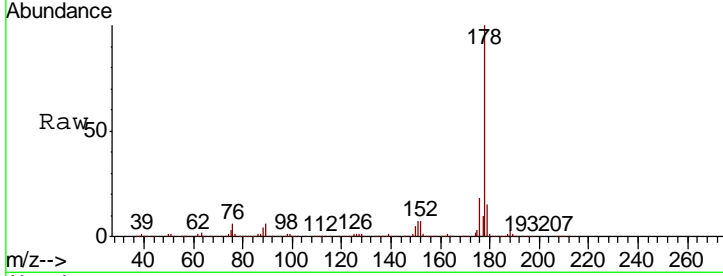




#71  
 Anthracene  
 Concen: 7.590 ng/ul  
 RT: 17.57 min Scan# 2465  
 Delta R.T. -0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

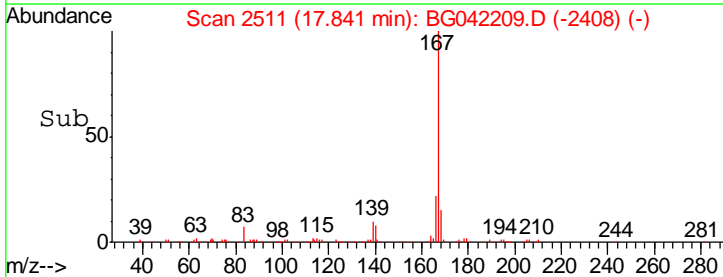
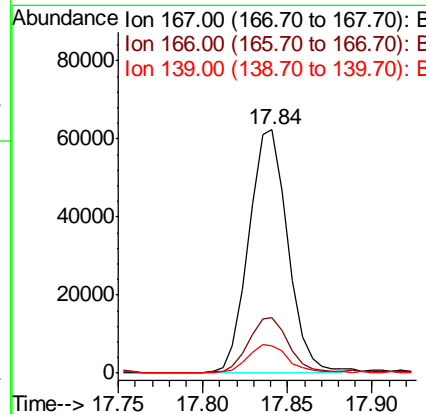
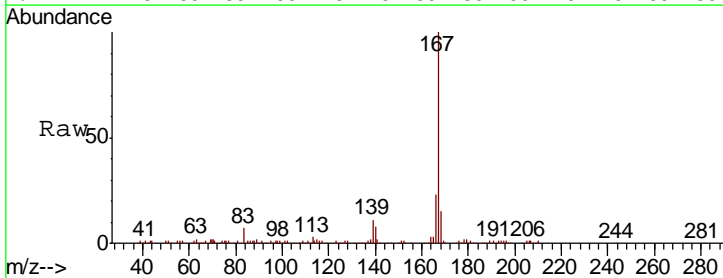
Instrument :  
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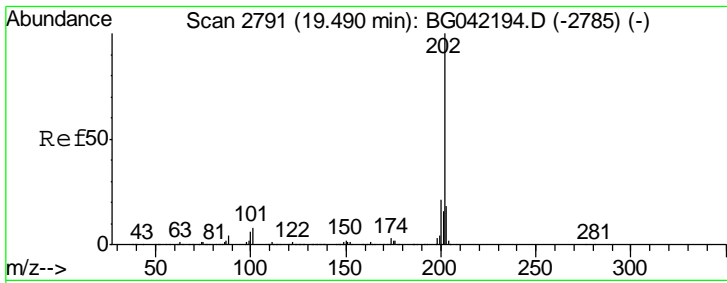
Tgt Ion	Resp	Lower	Upper
178	225919		
179	14.9	13.4	20.0
176	18.0	15.4	23.2



#74  
 Carbazole  
 Concen: 4.078 ng/ul  
 RT: 17.84 min Scan# 2511  
 Delta R.T. 0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

Tgt Ion	Resp	Lower	Upper
167	100547		
166	22.7	18.2	27.4
139	11.4	9.6	14.4

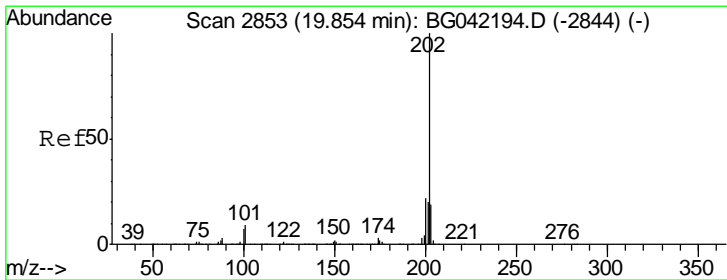
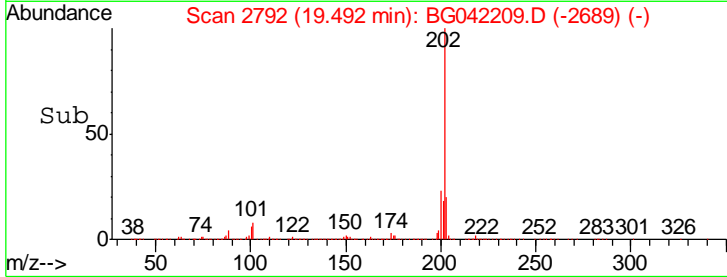
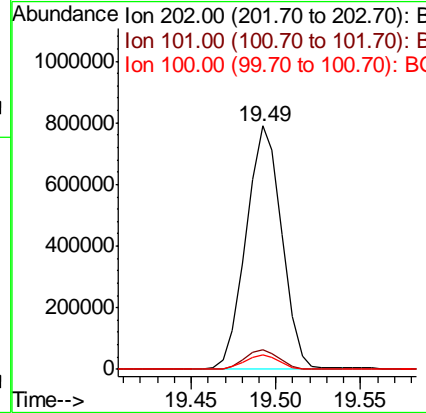
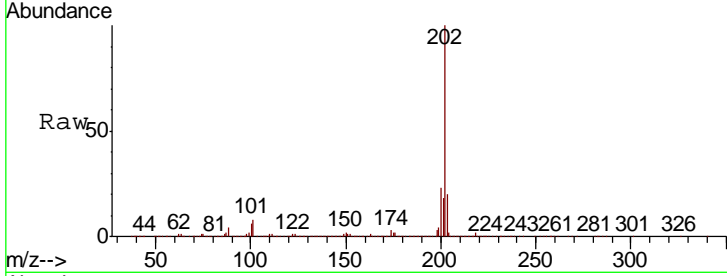




#76  
 Fluoranthene  
 Concen: 34.217 ng/ul  
 RT: 19.49 min Scan# 2792  
 Delta R.T. 0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

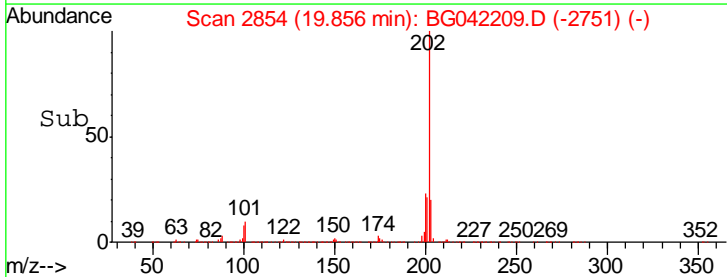
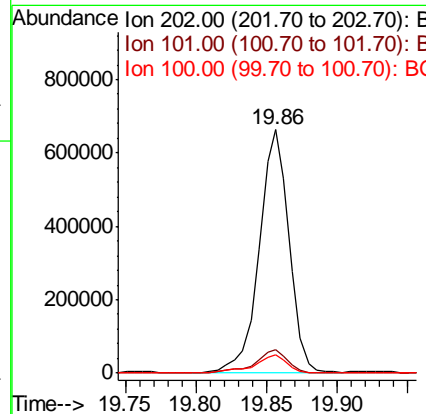
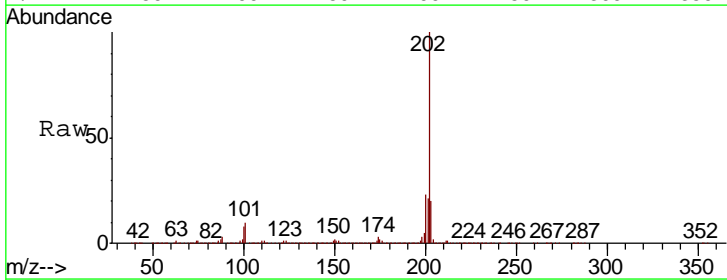
Instrument :  
 BNA\_G  
 ClientSampled :  
 CB5P4

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	6.7	10.1
100	6.1	5.3	7.9

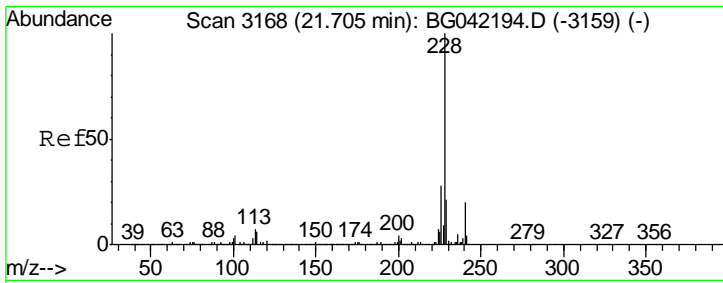


#79  
 Pyrene  
 Concen: 28.101 ng/ul  
 RT: 19.86 min Scan# 2854  
 Delta R.T. 0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.6	11.4
100	7.6	6.5	9.7



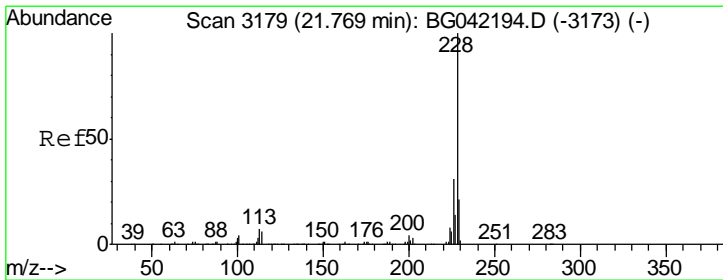
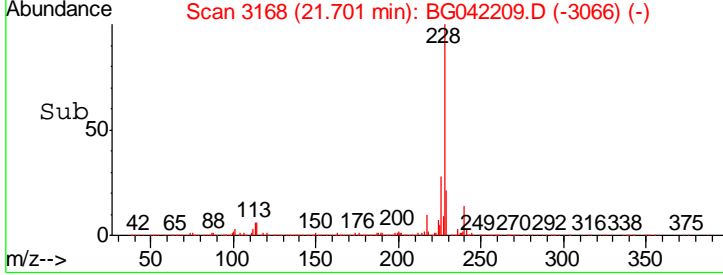
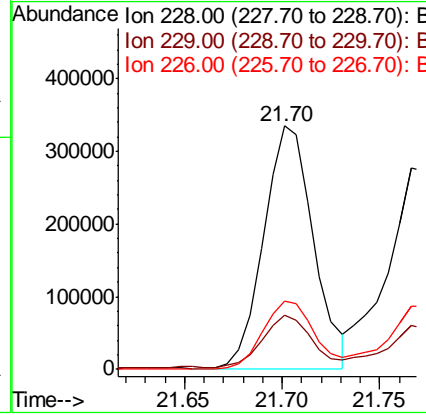
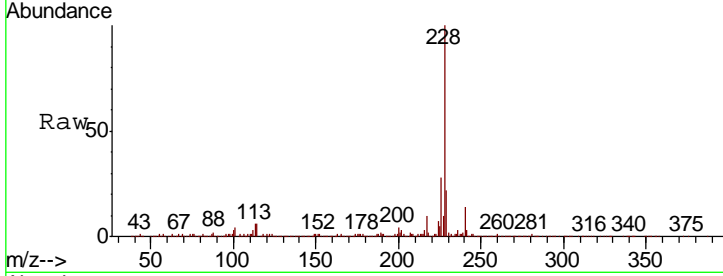




#82  
 Benzo(a)anthracene  
 Concen: 16.275 ng/ul  
 RT: 21.70 min Scan# 3168  
 Delta R.T. -0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

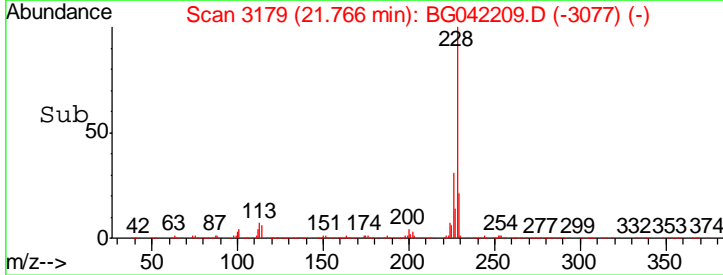
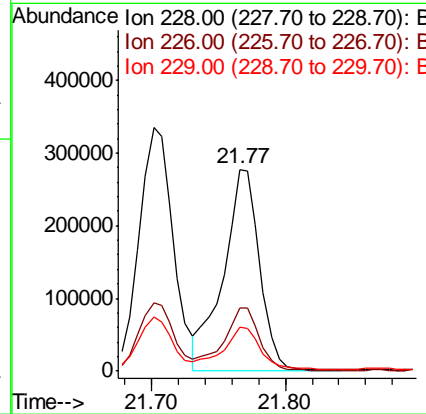
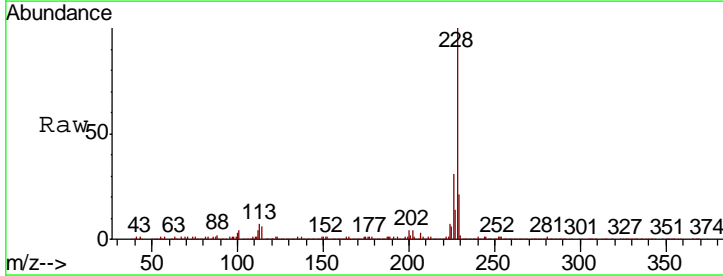
Instrument :  
 BNA\_G  
 ClientSampled :  
 CB5P4

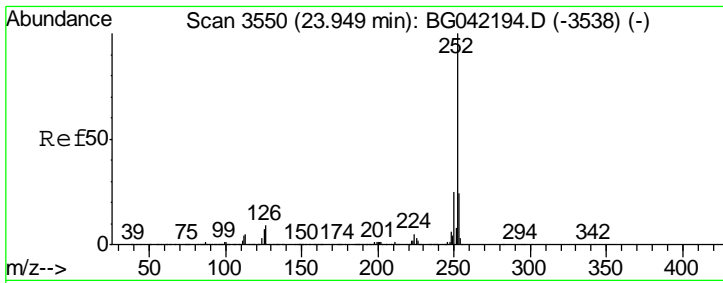
Tgt Ion	Resp	Lower	Upper
228	100		
229	22.2	17.0	25.6
226	28.2	23.3	34.9



#84  
 Chrysene  
 Concen: 15.576 ng/ul  
 RT: 21.77 min Scan# 3179  
 Delta R.T. -0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

Tgt Ion	Resp	Lower	Upper
228	100		
226	31.2	25.7	38.5
229	21.5	16.6	24.8

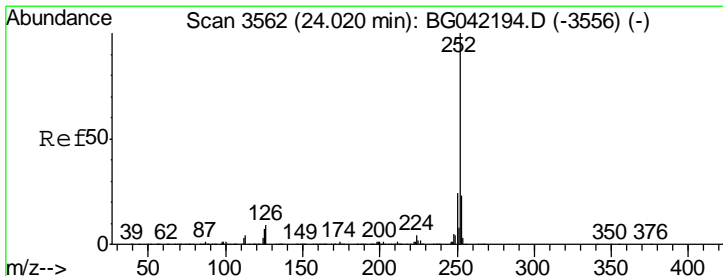
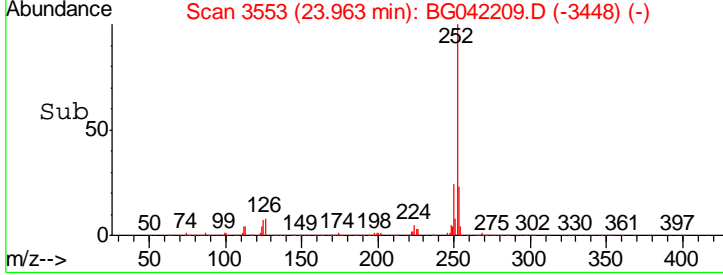
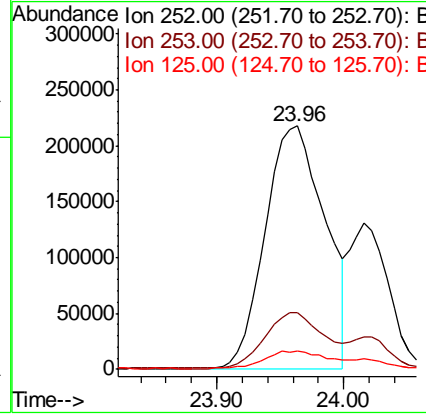
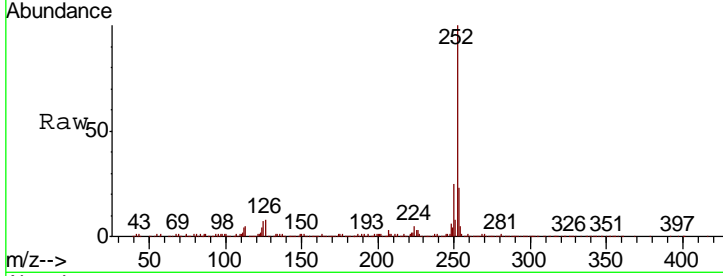




#87  
 Benzo(b)fluoranthene  
 Concen: 18.168 ng/ul  
 RT: 23.96 min Scan# 3553  
 Delta R.T. 0.01 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

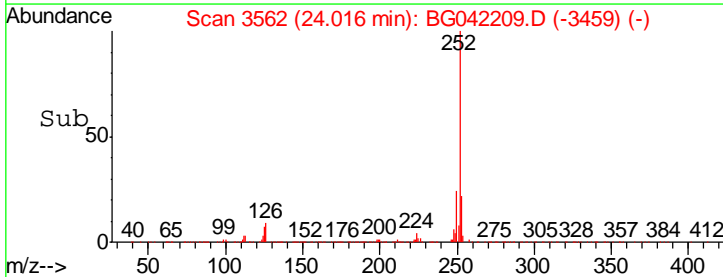
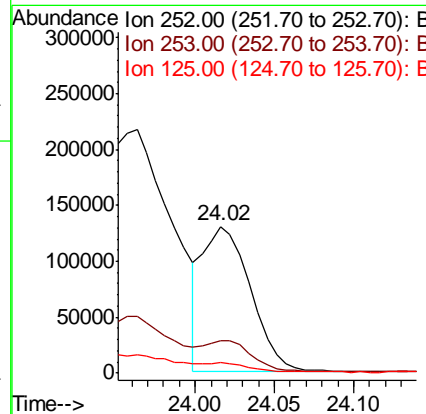
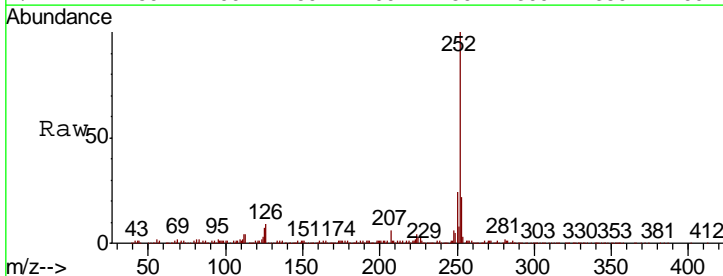
Instrument :  
 BNA\_G  
 ClientSampled :  
 CB5P4

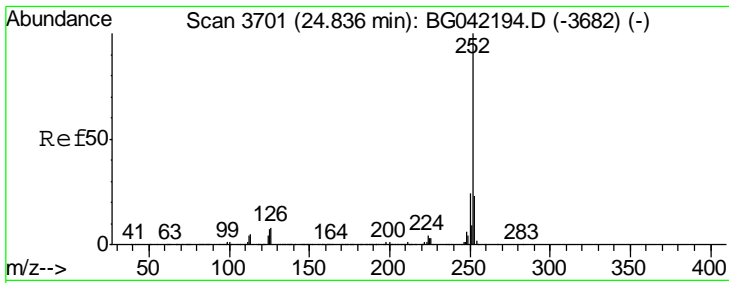
Tgt Ion	Resp	Lower	Upper
252	712647		
253	23.2	18.4	27.6
125	7.4	5.8	8.8



#88  
 Benzo(k)fluoranthene  
 Concen: 7.165 ng/ul  
 RT: 24.02 min Scan# 3562  
 Delta R.T. 0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

Tgt Ion	Resp	Lower	Upper
252	270205		
253	22.3	18.3	27.5
125	7.5	5.5	8.3

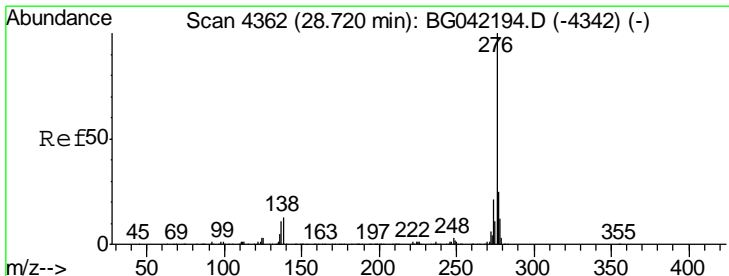
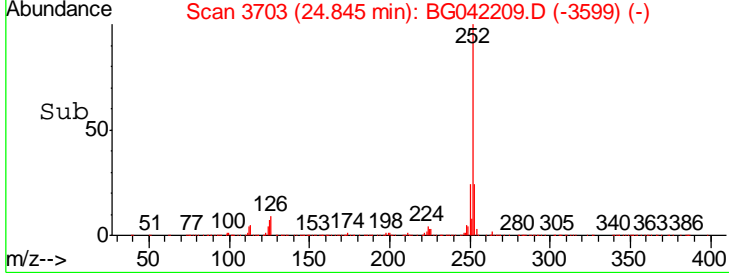
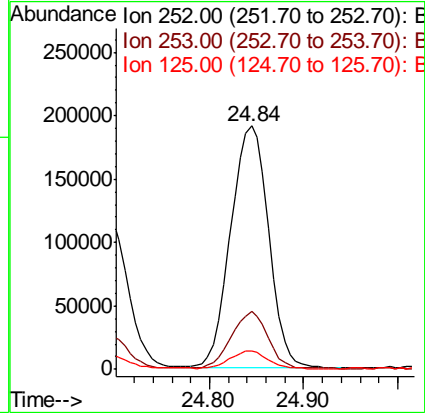
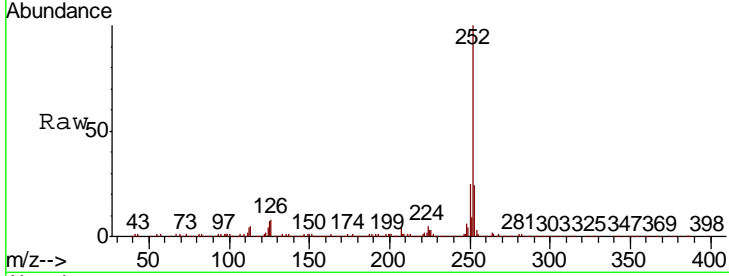




#90  
 Benzo(a)pyrene  
 Concen: 14.291 ng/ul  
 RT: 24.84 min Scan# 3703  
 Delta R.T. 0.01 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

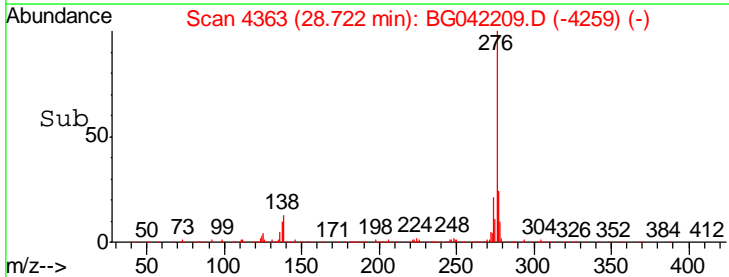
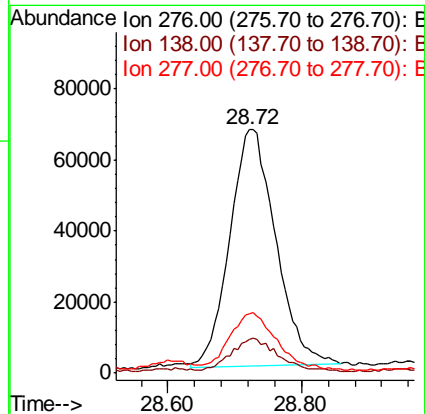
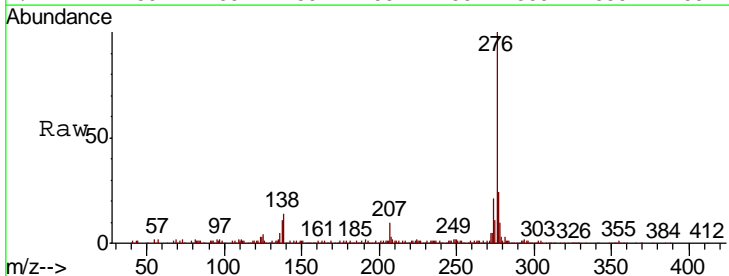
Instrument :  
 BNA\_G  
 ClientSampled :  
 CB5P4

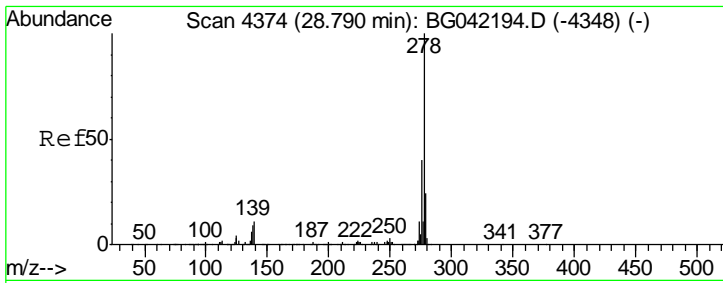
Tgt Ion	Resp	Lower	Upper
252	534166		
253	23.7	18.3	27.5
125	7.4	6.5	9.7



#91  
 Indeno(1,2,3-cd)pyrene  
 Concen: 7.315 ng/ul  
 RT: 28.72 min Scan# 4363  
 Delta R.T. 0.01 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

Tgt Ion	Resp	Lower	Upper
276	318887		
138	13.6	12.0	18.0
277	24.4	19.2	28.8

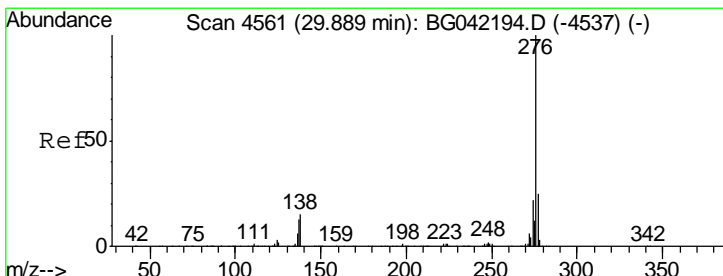
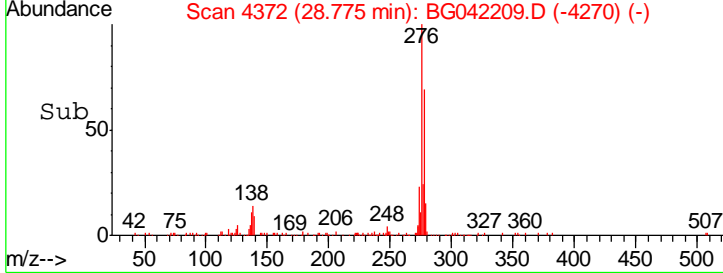
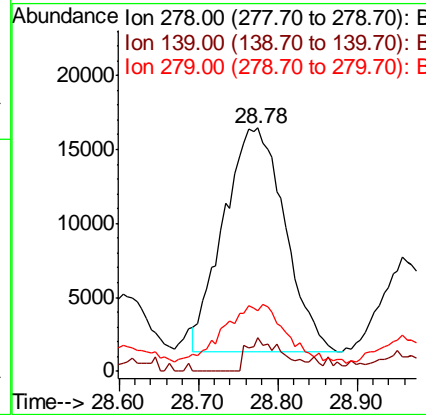
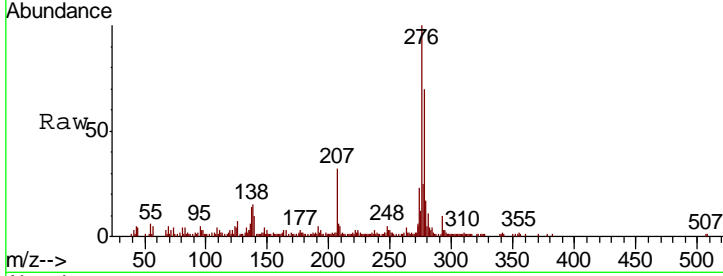




#92  
 Dibenzo(a,h)anthracene  
 Concen: 2.287 ng/ul  
 RT: 28.78 min Scan# 4372  
 Delta R.T. -0.00 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

Instrument :  
 BNA\_G  
 ClientSampled :  
 CB5P4

Tgt Ion	Resp	Lower	Upper
278	81319		
139	13.9	9.4	14.0
279	25.0	19.2	28.8



#93  
 Benzo(g,h,i)perylene  
 Concen: 7.190 ng/ul  
 RT: 29.89 min Scan# 4561  
 Delta R.T. 0.01 min  
 Lab File: BG042209.D  
 Acq: 14 Aug 2019 14:30

Tgt Ion	Resp	Lower	Upper
276	261692		
138	13.7	12.6	18.8
277	26.0	19.2	28.8

