

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040819\  
 Data File : BM019817.D  
 Acq On : 09 Apr 2019 05:21  
 Operator : JU/SJ  
 Sample : K2254-06  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :

Quant Time: Apr 09 11:25:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 09 07:14:39 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	164684	20.00	ng/ul	0.00
18) Naphthalene-d8	10.33	136	630237	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	335375	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.98	188	711992	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	785164	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	896184	20.00	ng/ul	0.00

## System Monitoring Compounds

3) 1,4-Dioxane-d8	3.12	96	24340	5.79	ng/uL	0.00
5) Phenol-d5	6.75	99	200313	13.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	131173	13.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	180396	16.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	170204	15.46	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	79895	17.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	89568	17.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	152459	16.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.51	131	147612	13.02	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	474813	17.55	ng/ul	0.00
47) Acenaphthylene-d8	13.91	160	571981	16.90	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	48684	11.48	ng/ul	0.03
58) Fluorene-d10	15.22	176	408688	17.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	11412	2.42	ng/ul	0.00
71) Anthracene-d10	17.08	188	607599	17.78	ng/ul	0.00
79) Pyrene-d10	19.39	212	589442	16.25	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	721639	15.19	ng/ul	0.00

## Target Compounds

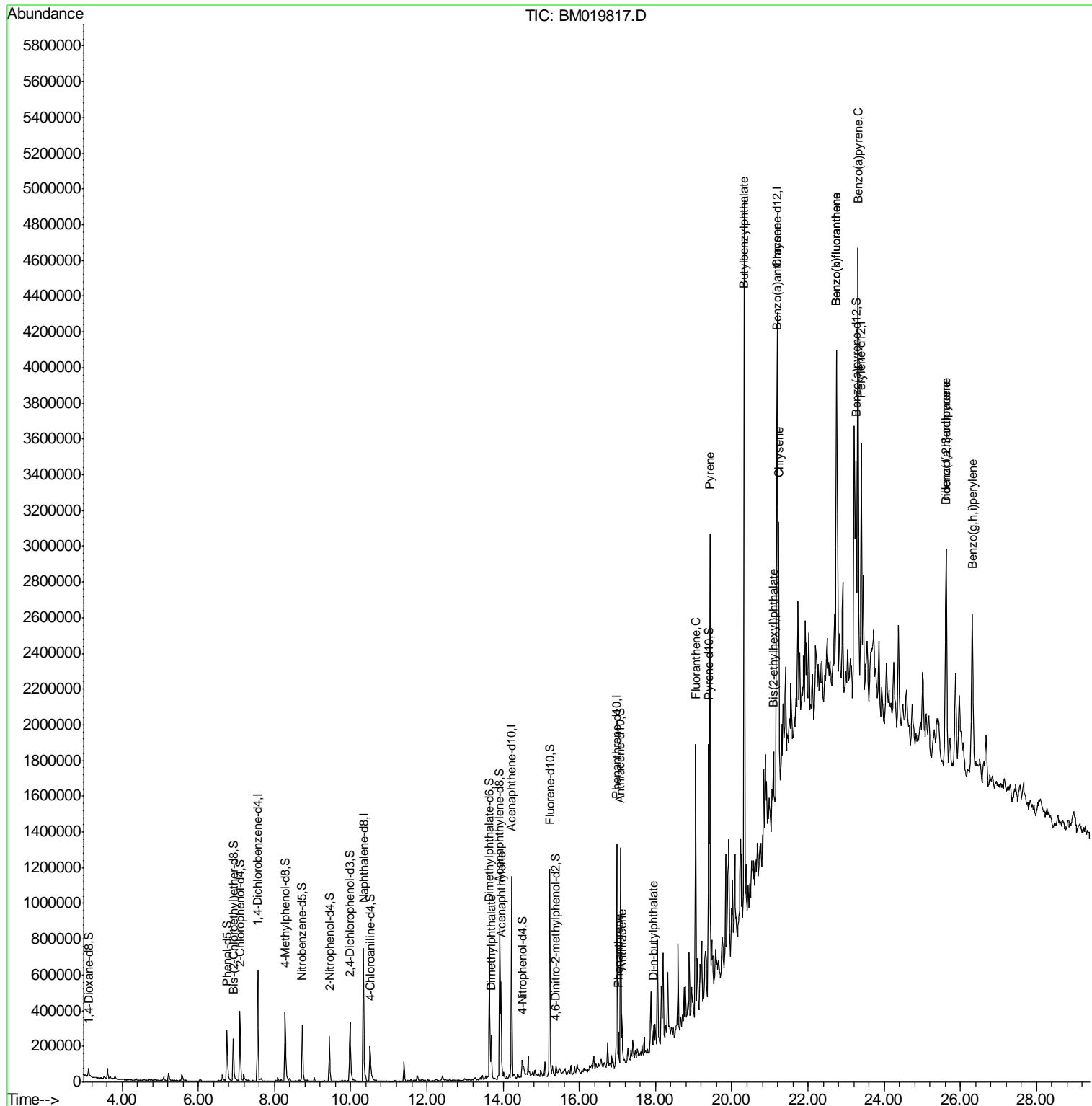
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
45) Dimethylphthalate	13.69	163	125489	4.622	ng/ul	98
48) Acenaphthylene	13.95	152	414742	12.367	ng/ul	99
70) Phenanthrene	17.03	178	102994	2.551	ng/ul	99
72) Anthracene	17.12	178	166445	4.041	ng/ul	97
76) Di-n-butylphthalate	17.95	149	52287	1.277	ng/ul#	96
77) Fluoranthene	19.06	202	853500	18.451	ng/ul#	90
80) Pyrene	19.42	202	1398915	29.615	ng/ul#	84
81) Butylbenzylphthalate	20.33	149	1110893	59.397	ng/ul	91
83) Benzo(a)anthracene	21.18	228	768089	16.253	ng/ul	92
84) Bis(2-ethylhexyl)phthalate	21.10	149	101860	3.757	ng/ul#	96
85) Chrysene	21.23	228	874482	19.285	ng/ul	96
88) Benzo(b)fluoranthene	22.74	252	1686390	30.893	ng/ul#	92
89) Benzo(k)fluoranthene	22.74	252	1686390	32.169	ng/ul#	92
91) Benzo(a)pyrene	23.31	252	1497778	28.701	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.63	276	1004602	15.373	ng/ul#	91
93) Dibenzo(a,h)anthracene	25.62	278	304485	5.465	ng/ul#	79
94) Benzo(g,h,i)perylene	26.31	276	912576	16.711	ng/ul#	89

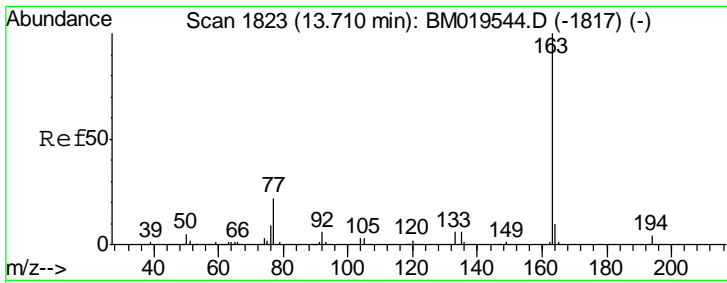
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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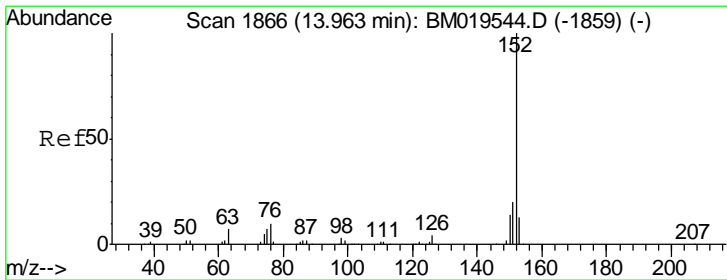
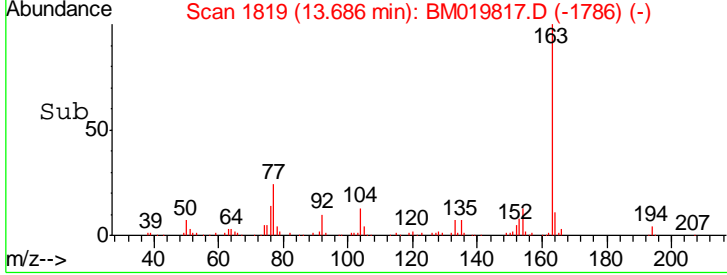
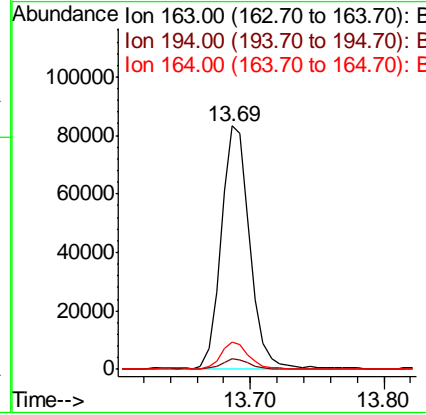
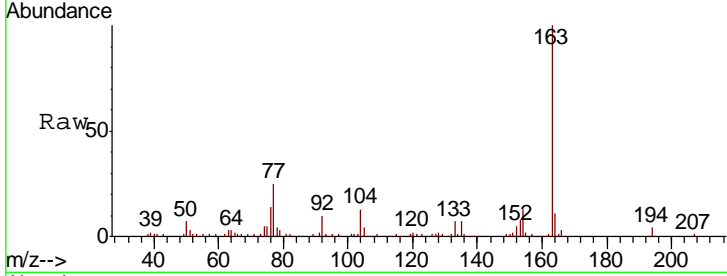




#45  
 Dimethylphthalate  
 Concen: 4.622 ng/ul  
 RT: 13.69 min Scan# 1819  
 Delta R.T. -0.01 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

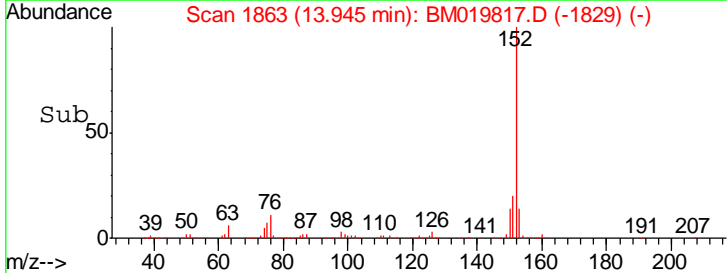
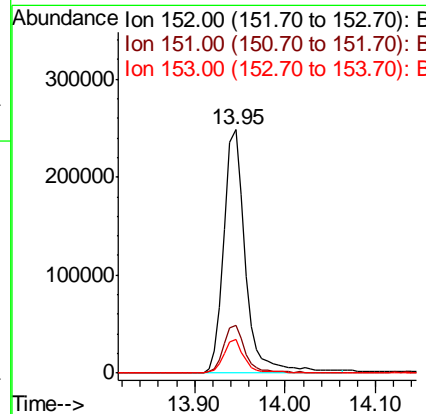
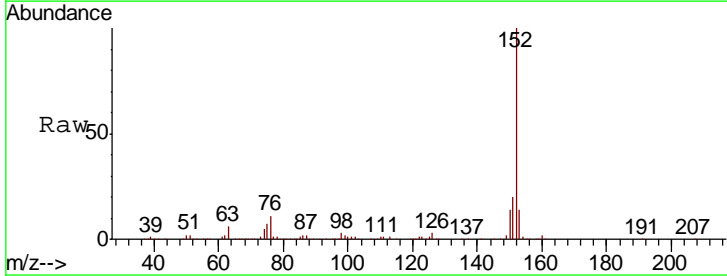
Instrument :  
 BNA\_M  
 ClientSampled :

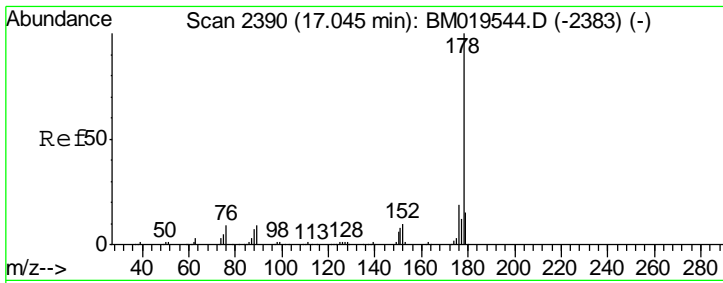
Tgt Ion	Resp	Lower	Upper
163	125489		
194	4.3	4.0	6.0
164	11.3	8.4	12.6



#48  
 Acenaphthylene  
 Concen: 12.367 ng/ul  
 RT: 13.95 min Scan# 1863  
 Delta R.T. 0.00 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

Tgt Ion	Resp	Lower	Upper
152	414742		
151	19.8	16.1	24.1
153	13.7	10.8	16.2

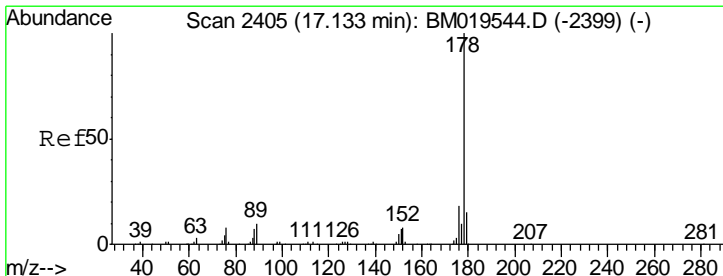
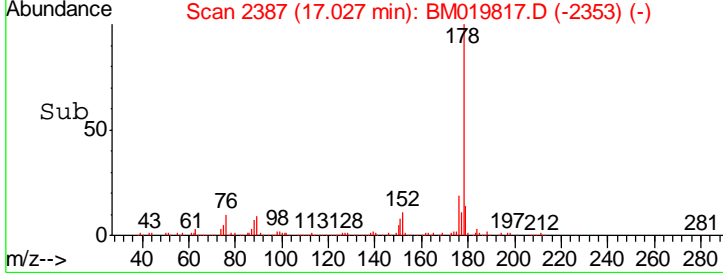
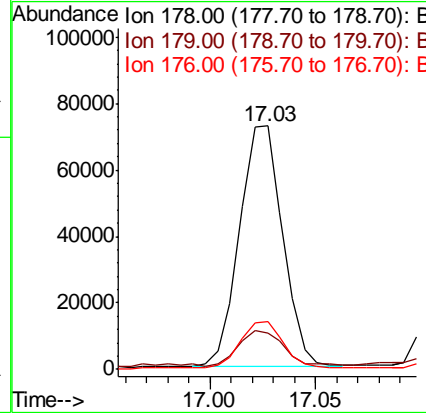
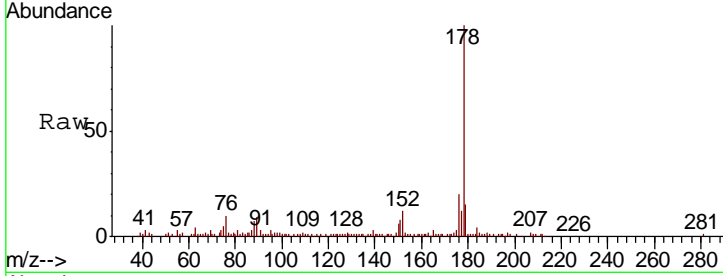




#70  
 Phenanthrene  
 Concen: 2.551 ng/ul  
 RT: 17.03 min Scan# 2387  
 Delta R.T. 0.00 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

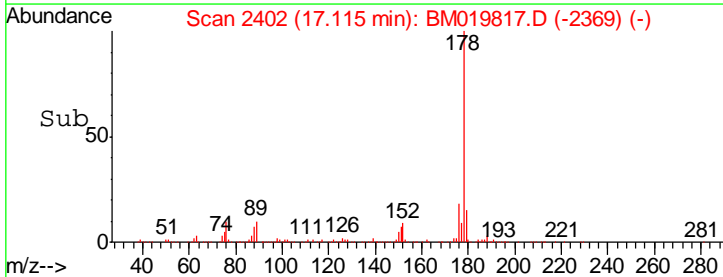
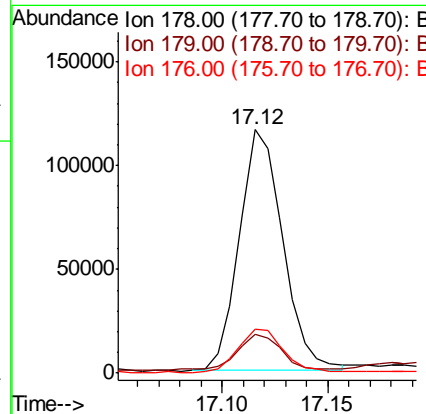
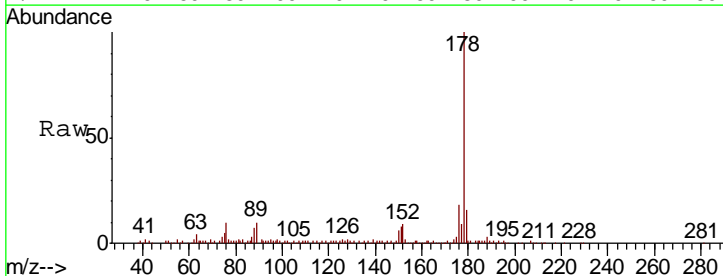
Instrument :  
 BNA\_M  
 ClientSampled :

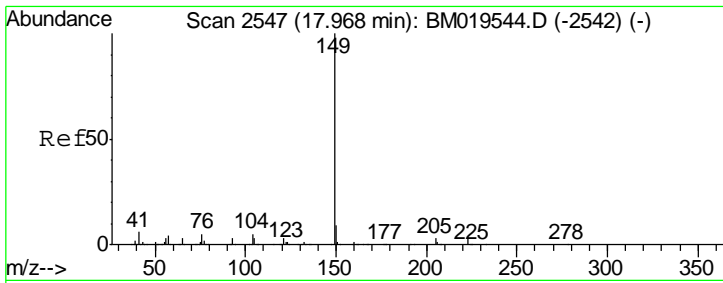
Tgt Ion	Resp	Lower	Upper
178	102994		
179	14.8	12.3	18.5
176	19.8	15.4	23.0



#72  
 Anthracene  
 Concen: 4.041 ng/ul  
 RT: 17.12 min Scan# 2402  
 Delta R.T. -0.01 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

Tgt Ion	Resp	Lower	Upper
178	166445		
179	15.7	13.4	20.2
176	18.0	15.4	23.0

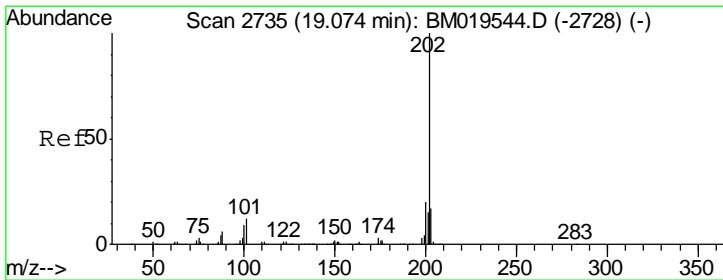
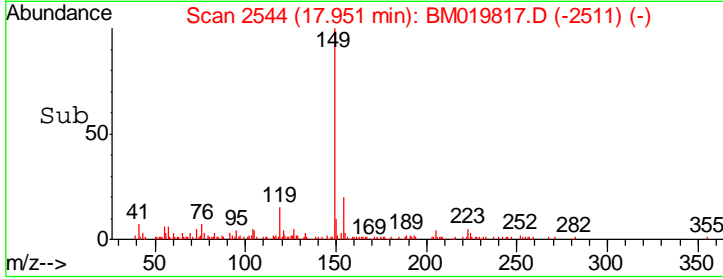
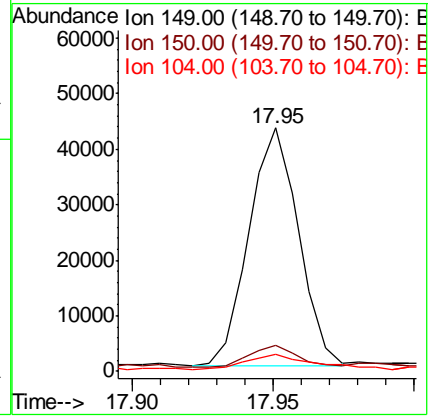
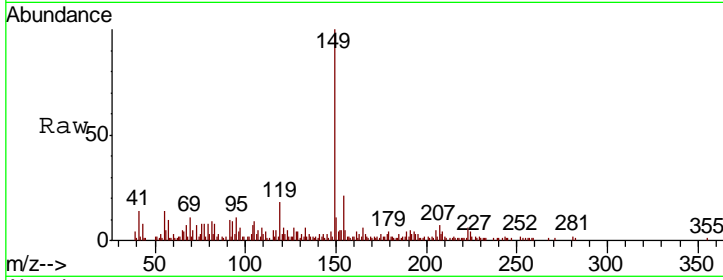




#76  
 Di-n-butylphthalate  
 Concen: 1.277 ng/ul  
 RT: 17.95 min Scan# 2544  
 Delta R.T. -0.01 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

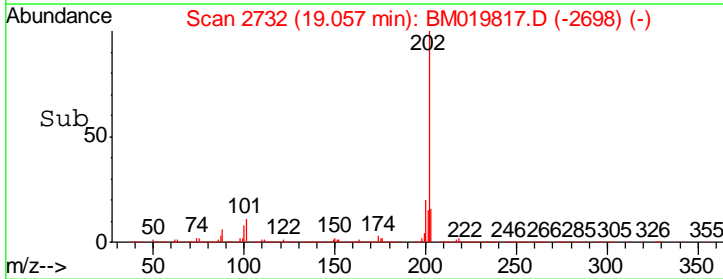
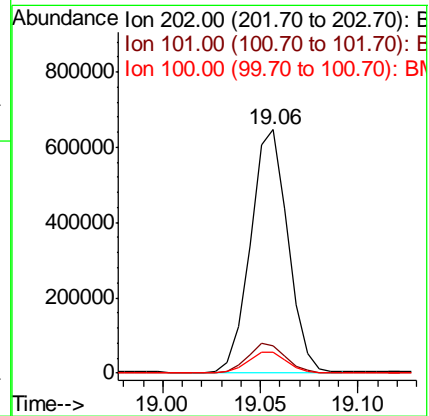
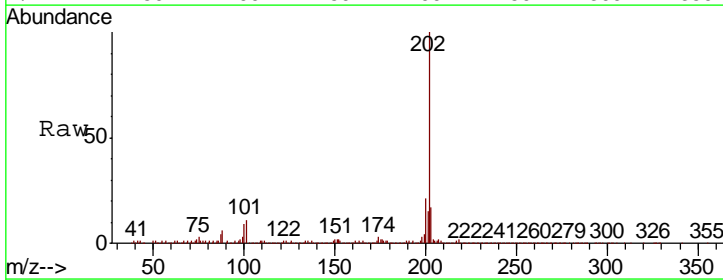
Instrument :  
 BNA\_M  
 ClientSampled :

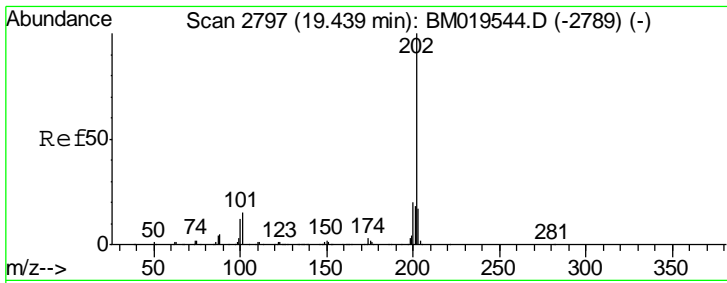
Tgt Ion	Resp	Lower	Upper
149	52287		
150	10.7	7.5	11.3
104	6.8	4.1	6.1#



#77  
 Fluoranthene  
 Concen: 18.451 ng/ul  
 RT: 19.06 min Scan# 2732  
 Delta R.T. 0.00 min  
 Lab File: BM019817.D  
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Tgt Ion	Resp	Lower	Upper
202	853500		
101	11.3	6.1	9.1#
100	8.7	4.6	7.0#

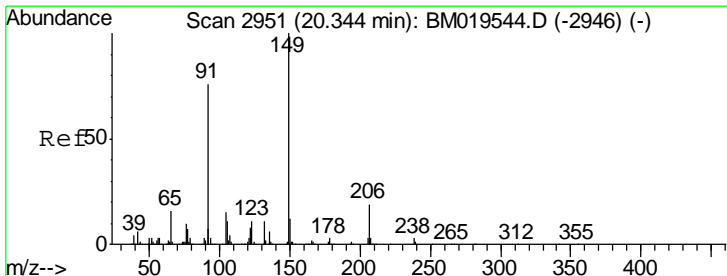
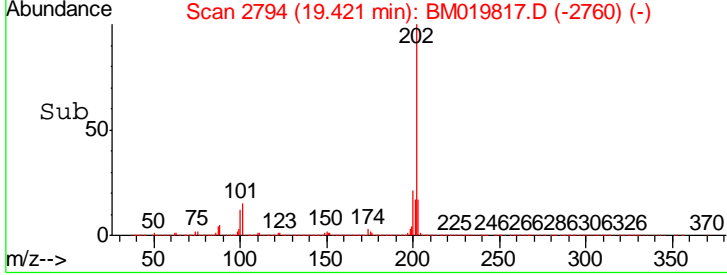
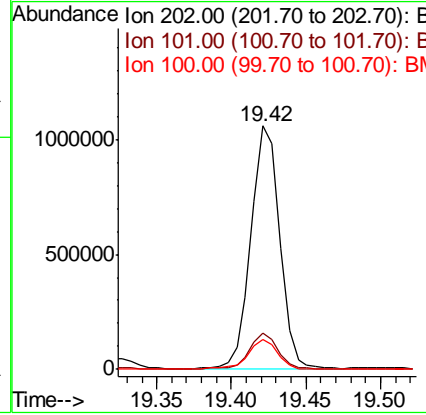
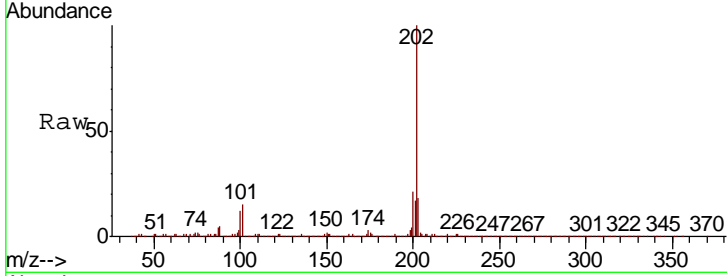




#80  
 Pyrene  
 Concen: 29.615 ng/ul  
 RT: 19.42 min Scan# 2794  
 Delta R.T. 0.00 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

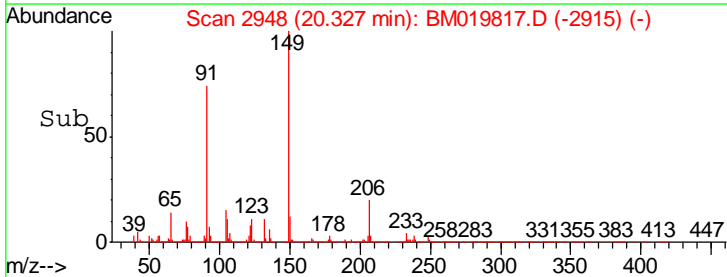
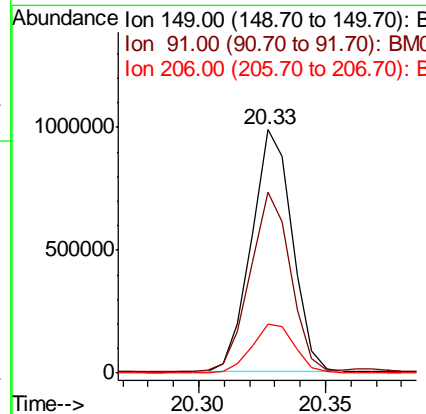
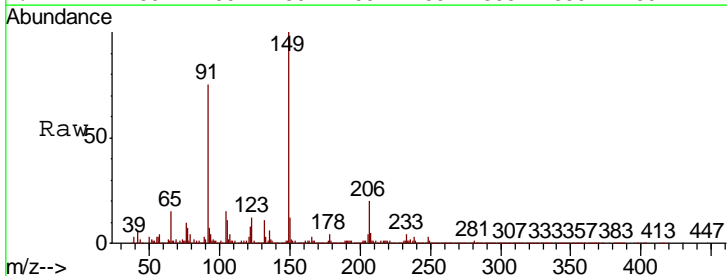
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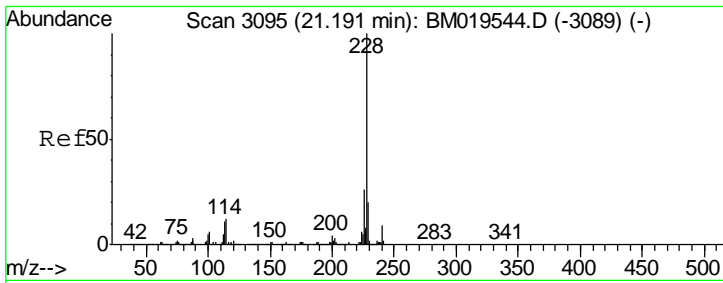
Tgt Ion	Resp	Lower	Upper
202	1398915		
101	14.8	6.9	10.3#
100	12.3	5.6	8.4#



#81  
 Butylbenzylphthalate  
 Concen: 59.397 ng/ul  
 RT: 20.33 min Scan# 2948  
 Delta R.T. -0.01 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

Tgt Ion	Resp	Lower	Upper
149	1110893		
91	74.5	53.4	80.0
206	20.2	19.3	28.9

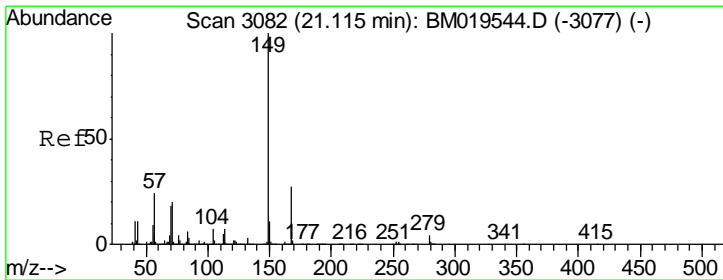
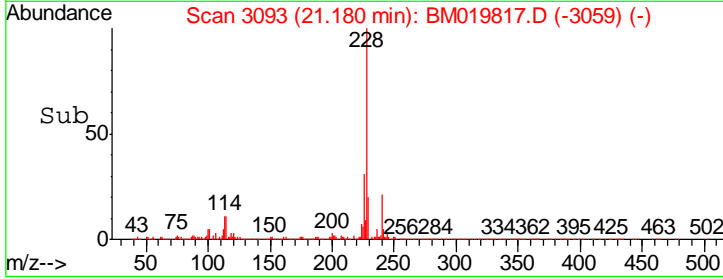
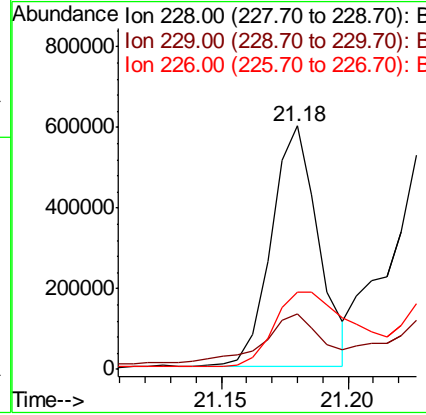
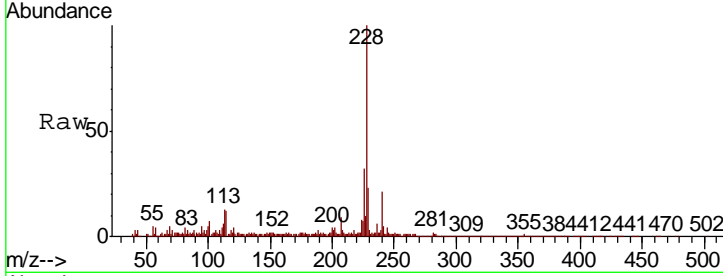




#83  
 Benzo(a)anthracene  
 Concen: 16.253 ng/ul  
 RT: 21.18 min Scan# 3093  
 Delta R.T. 0.00 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

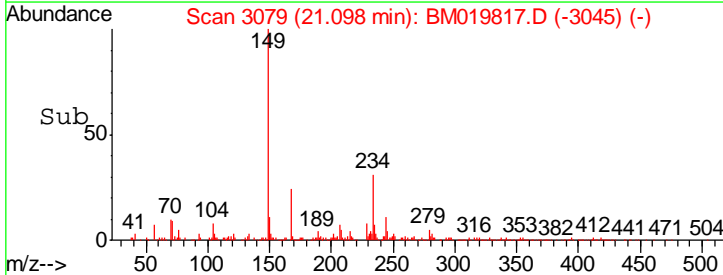
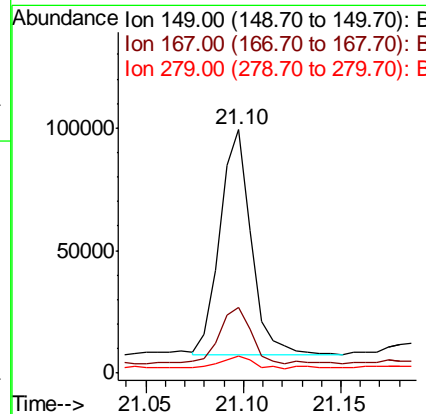
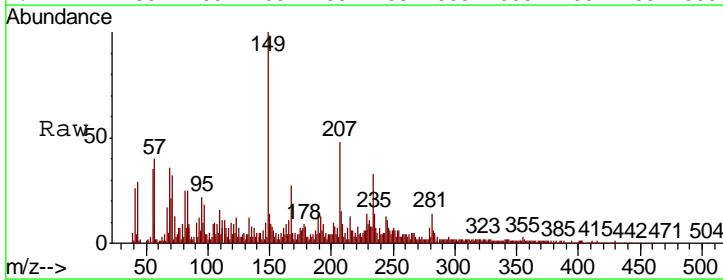
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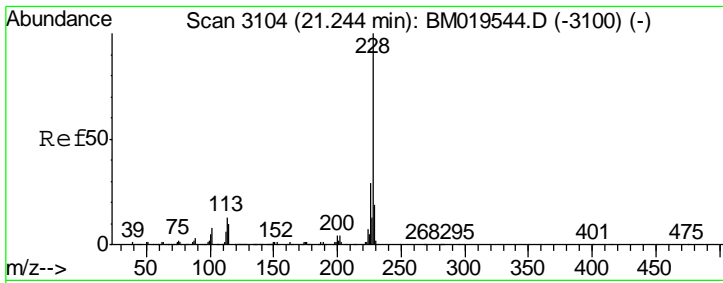
Tgt Ion	Resp	Lower	Upper
228	100		
229	23.0	16.0	24.0
226	31.9	21.8	32.8



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.757 ng/ul  
 RT: 21.10 min Scan# 3079  
 Delta R.T. 0.00 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

Tgt Ion	Resp	Lower	Upper
149	100		
167	26.8	23.0	34.6
279	6.9	4.3	6.5#

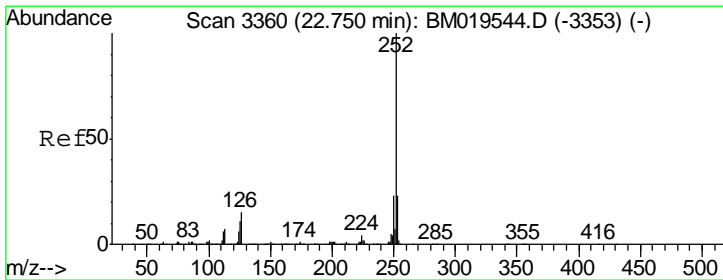
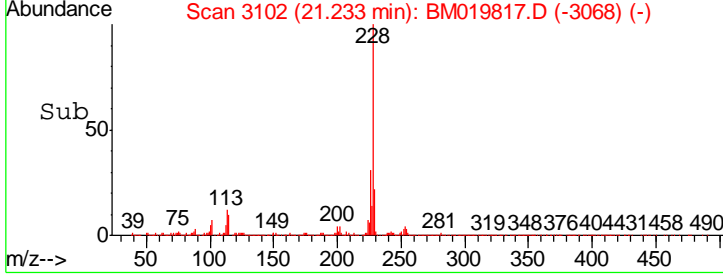
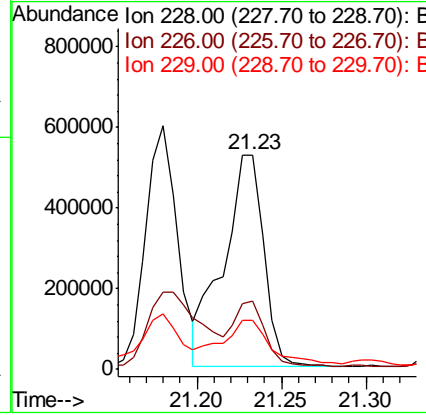
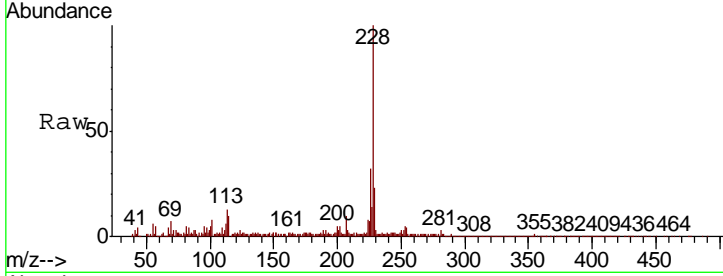




#85  
 Chrysene  
 Concen: 19.285 ng/ul  
 RT: 21.23 min Scan# 3102  
 Delta R.T. 0.00 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

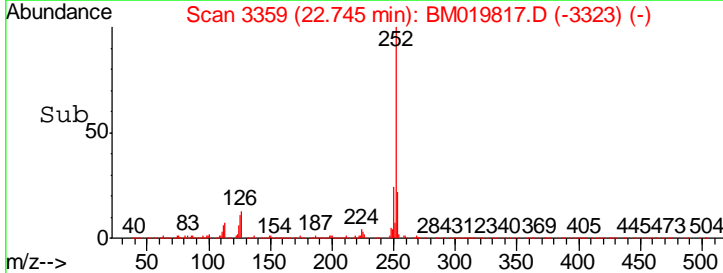
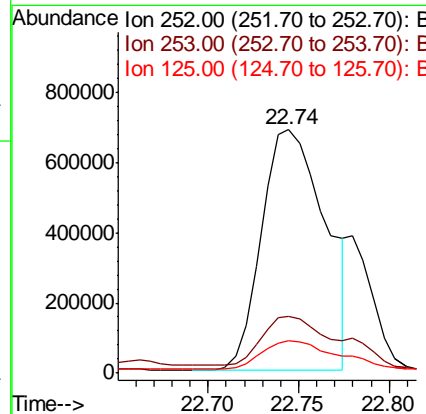
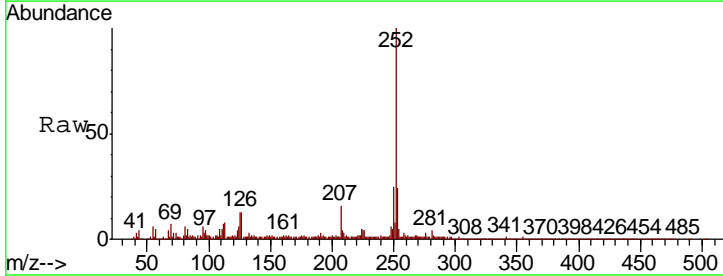
Instrument :  
 BNA\_M  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
228	100		
226	31.7	24.1	36.1
229	22.8	16.0	24.0

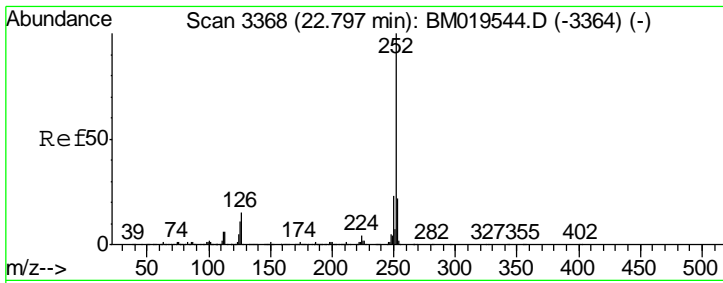


#88  
 Benzo(b)fluoranthene  
 Concen: 30.893 ng/ul  
 RT: 22.74 min Scan# 3359  
 Delta R.T. 0.01 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	13.1	4.9	7.3#



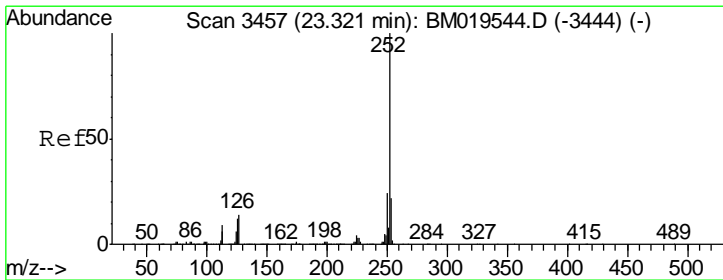
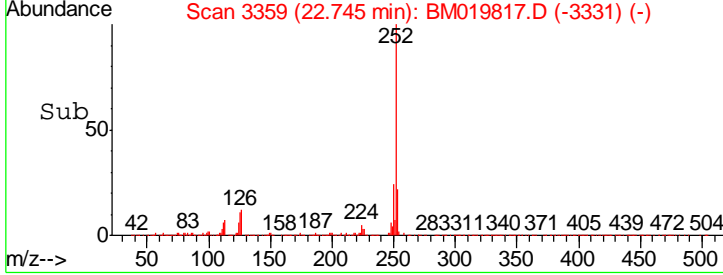
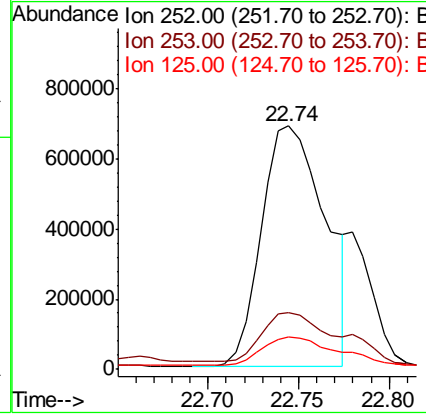
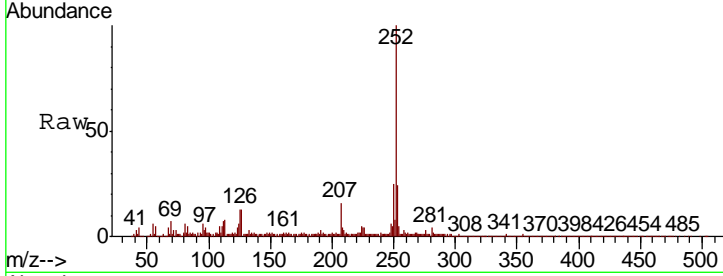




#89  
 Benzo(k)fluoranthene  
 Concen: 32.169 ng/ul  
 RT: 22.74 min Scan# 3359  
 Delta R.T. -0.04 min  
 Lab File: BM019817.D  
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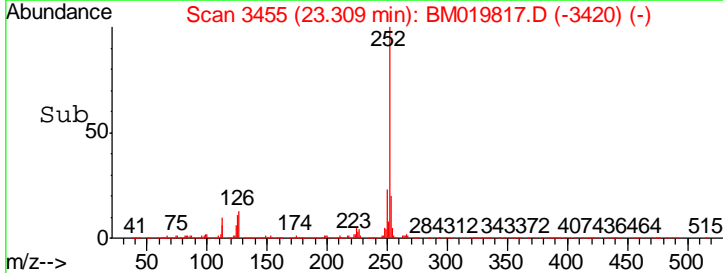
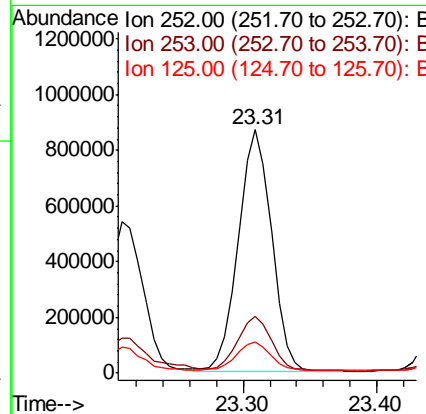
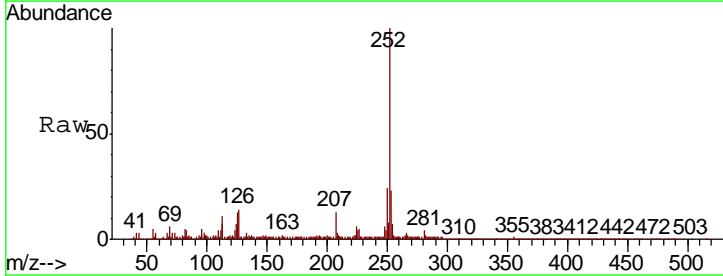
Instrument :  
 BNA\_M  
 ClientSampled :

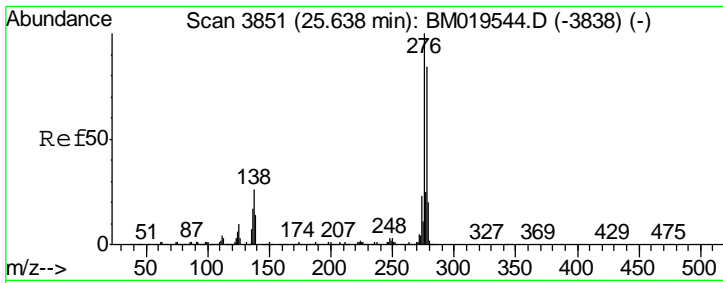
Tgt Ion	Resp	Lower	Upper
252	1686390		
253	100	17.1	25.7
125	13.1	5.4	8.0#



#91  
 Benzo(a)pyrene  
 Concen: 28.701 ng/ul  
 RT: 23.31 min Scan# 3455  
 Delta R.T. 0.01 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

Tgt Ion	Resp	Lower	Upper
252	1497778		
253	100	17.2	25.8
125	12.6	5.8	8.6#

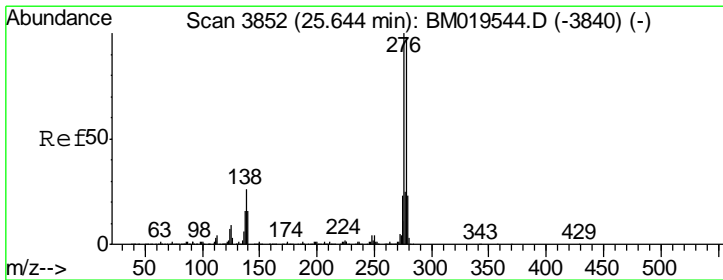
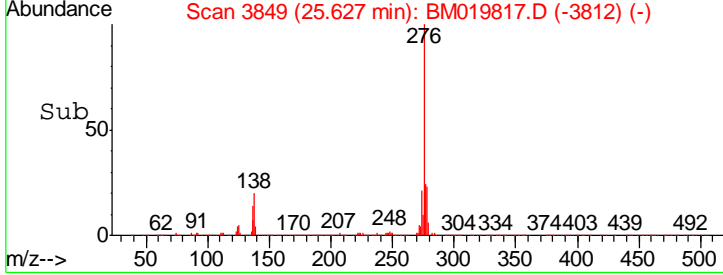
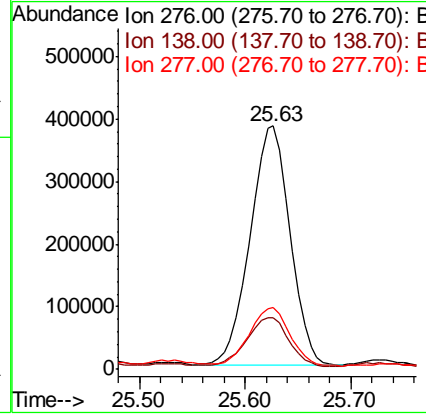
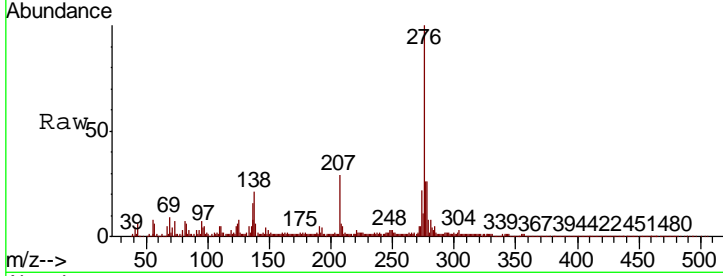




#92  
 Indeno(1,2,3-cd)pyrene  
 Concen: 15.373 ng/ul  
 RT: 25.63 min Scan# 3849  
 Delta R.T. 0.02 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

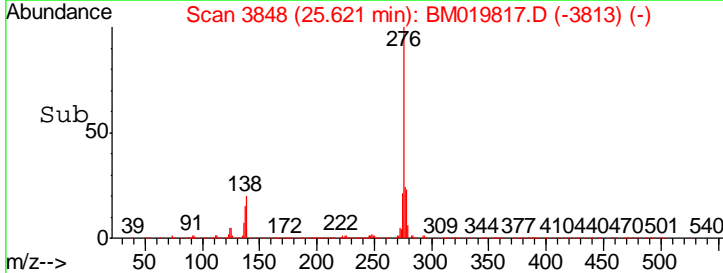
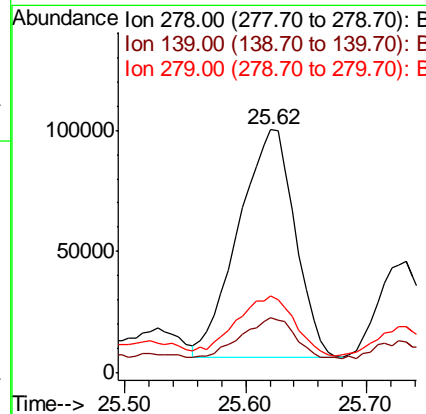
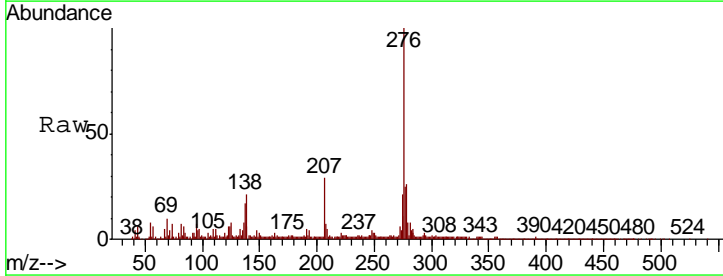
Instrument :  
 BNA\_M  
 ClientSampled :

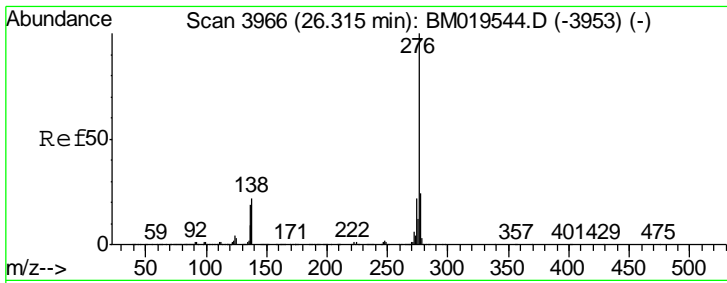
Tgt Ion	Resp	Lower	Upper
276	100		
138	21.1	10.9	16.3#
277	25.5	18.9	28.3



#93  
 Dibenzo(a,h)anthracene  
 Concen: 5.465 ng/ul  
 RT: 25.62 min Scan# 3848  
 Delta R.T. 0.01 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

Tgt Ion	Resp	Lower	Upper
278	100		
139	23.0	9.0	13.4#
279	31.6	19.1	28.7#





#94  
 Benzo(a,h,i)perylene  
 Concen: 16.711 ng/ul  
 RT: 26.31 min Scan# 3965  
 Delta R.T. 0.02 min  
 Lab File: BM019817.D  
 Acq: 09 Apr 2019 05:21

Instrument :  
 BNA\_M  
 ClientSampled :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	22.9	11.2	16.8	
277	25.7	19.0	28.6	

