

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE070219\  
 Data File : BE100313.D  
 Acq On : 2 Jul 2019 21:41  
 Operator : JU/SJ  
 Sample : K3445-17DL 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-001-SW077-061719

Quant Time: Jul 03 02:14:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE062819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 28 14:06:53 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	938	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3317	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2562	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7008	0.40	ng	0.00
27) Chrysene-d12	21.24	240	9291	0.40	ng	0.00
34) Perylene-d12	23.68	264	11553	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	373	0.16	ng	0.01
5) Phenol-d6	6.83	99	442	0.14	ng	-0.01
8) Nitrobenzene-d5	8.81	82	497	0.15	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	992	0.16	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	269	0.15	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1389	0.14	ng	-0.01
25) Fluoranthene-d10	19.10	212	15237	0.15	ng	0.00
29) Terphenyl-d14	19.70	244	2812	0.15	ng	0.00

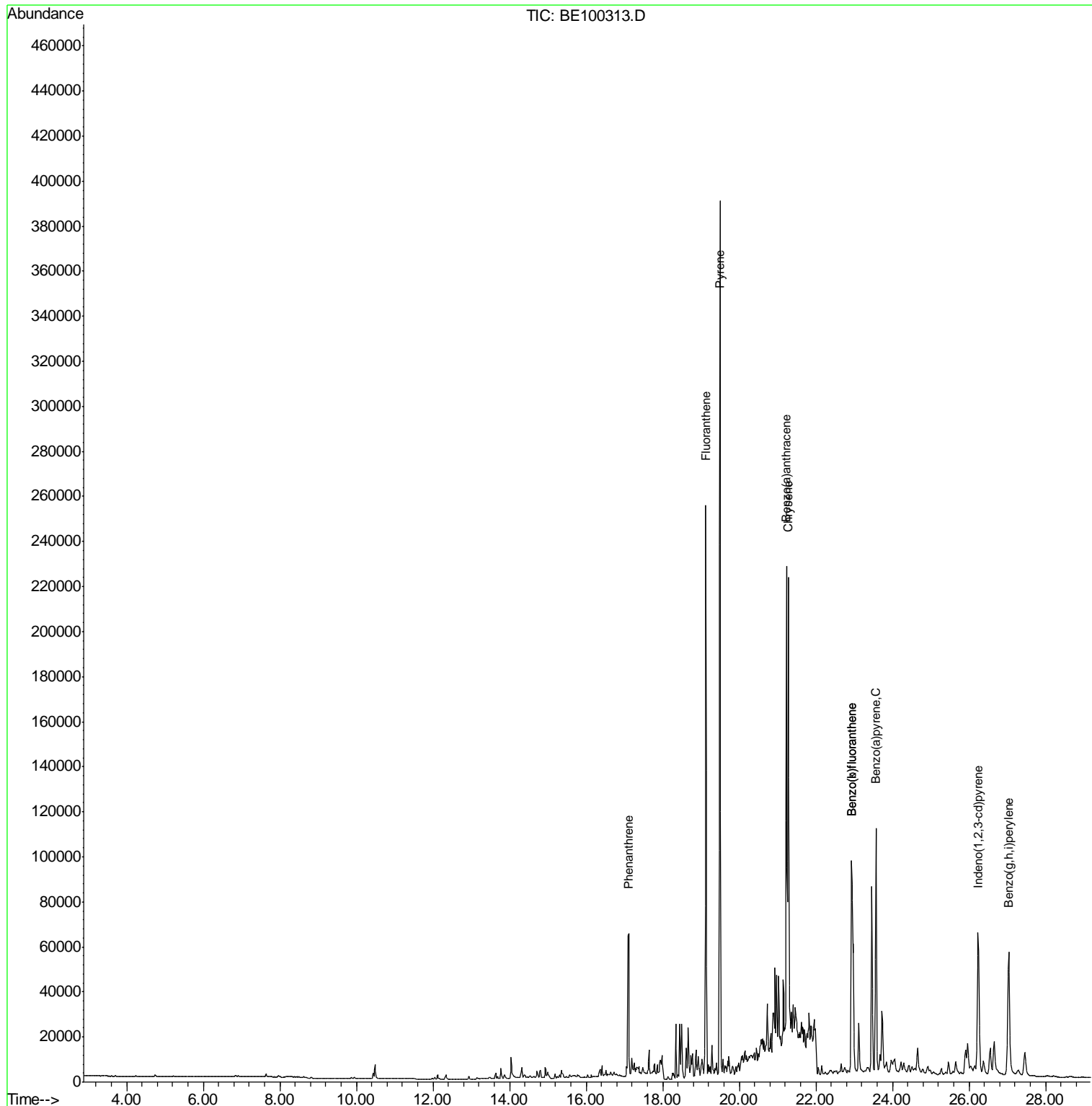
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.11	178	80518	4.740	ng	99
26) Fluoranthene	19.13	202	230865	8.533	ng	98
28) Pyrene	19.50	202	369822	15.034	ng	97
30) Benzo(a)anthracene	21.23	228	188374	6.166	ng	95
31) Chrysene	21.28	228	181234	5.908	ng	96
33) Indeno(1,2,3-cd)pyrene	26.24	276	127545	3.144	ng	# 98
35) Benzo(b)fluoranthene	22.94	252	197156	6.294	ng	# 95
36) Benzo(k)fluoranthene	22.94	252	197156	5.639	ng	98
37) Benzo(a)pyrene	23.57	252	170351	5.426	ng	# 93
39) Benzo(g,h,i)perylene	27.03	276	146219	4.341	ng	98

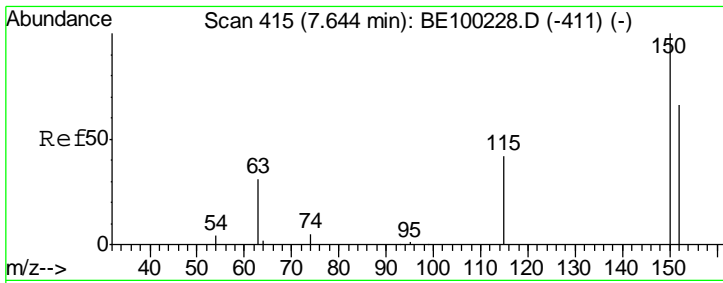
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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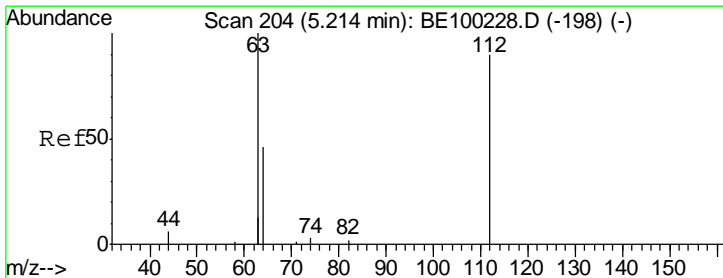
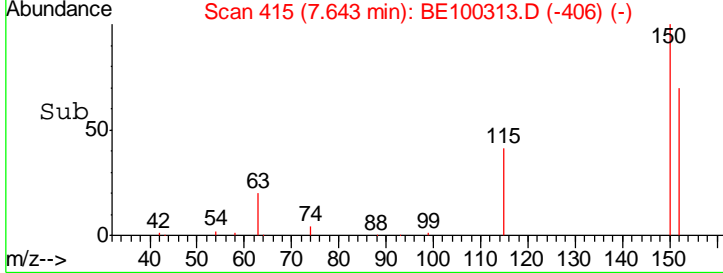
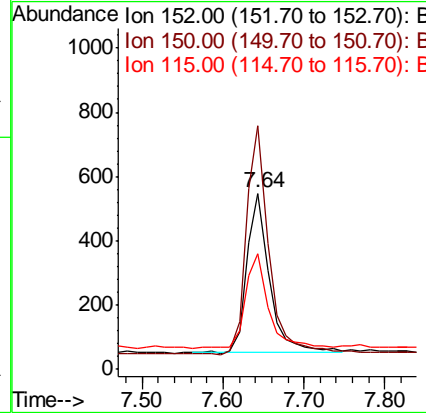
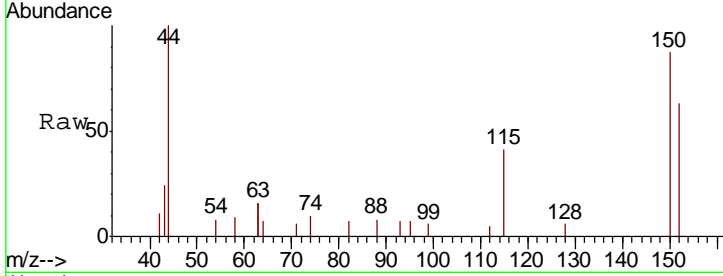




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.64 min Scan# 415  
 Delta R.T. -0.00 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

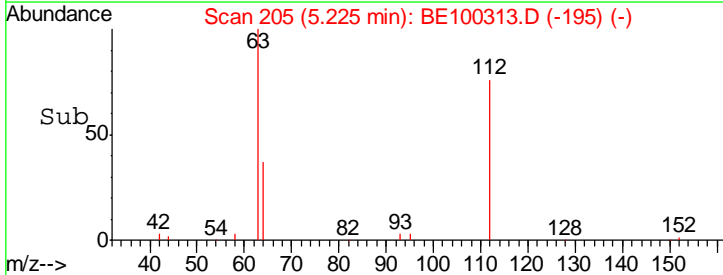
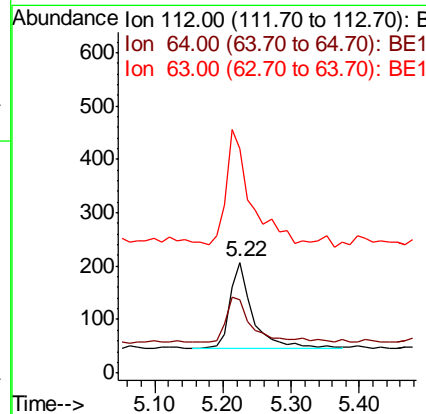
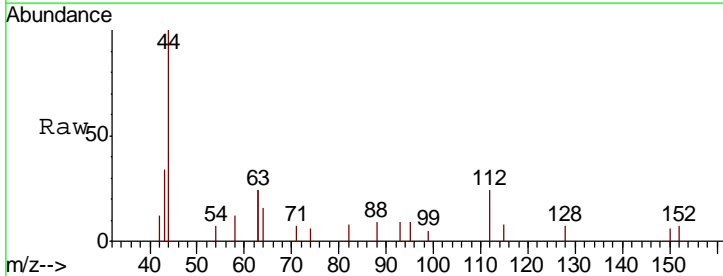
Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-001-SW077-061719

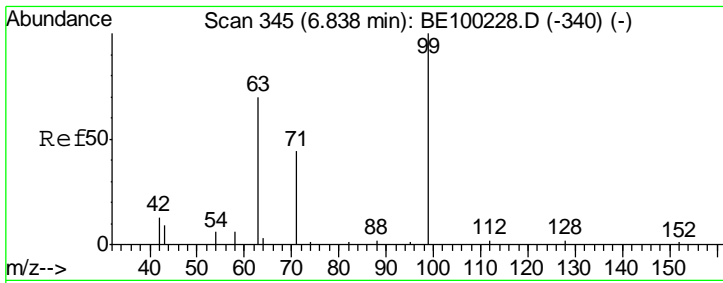
Tgt Ion	Resp	Lower	Upper
152	938		
150	138.6	114.5	171.7
115	66.0	57.1	85.7



#4  
 2-Fluorophenol  
 Concen: 0.156 ng  
 RT: 5.22 min Scan# 205  
 Delta R.T. 0.01 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Tgt Ion	Resp	Lower	Upper
112	373		
64	61.9	39.4	59.0#
63	146.1	104.5	156.7

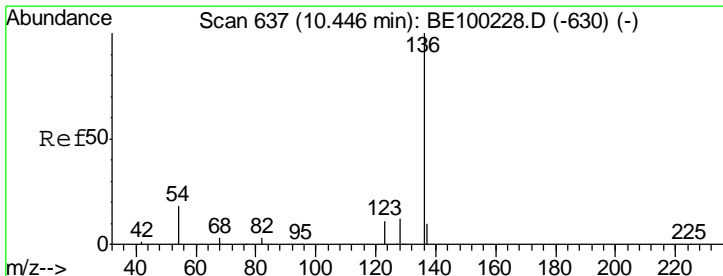
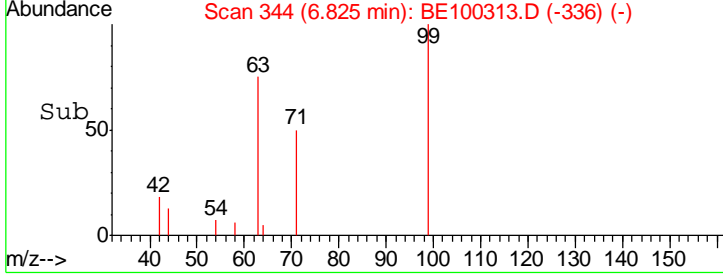
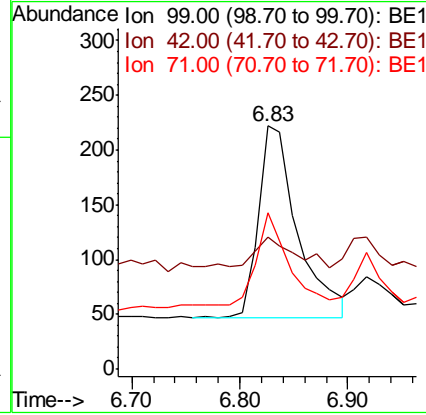
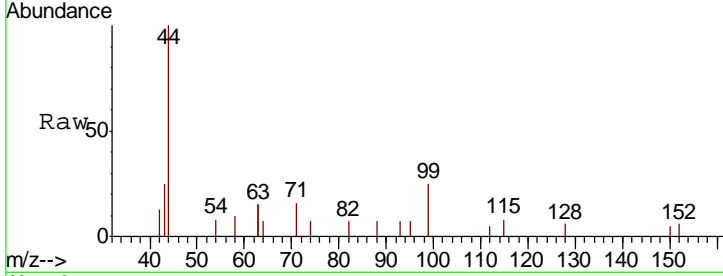




#5  
 Phenol-d6  
 Concen: 0.140 ng  
 RT: 6.83 min Scan# 344  
 Delta R.T. -0.01 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

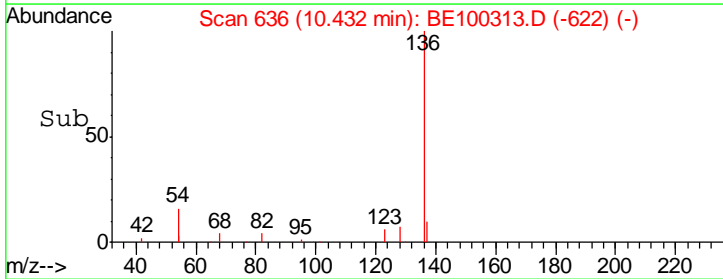
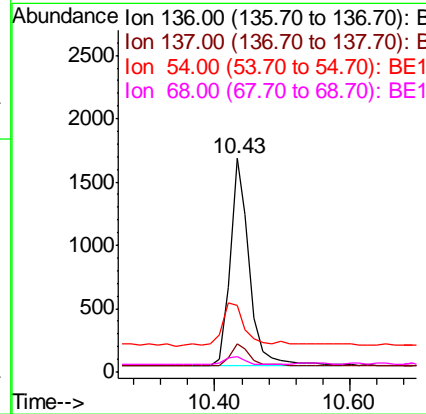
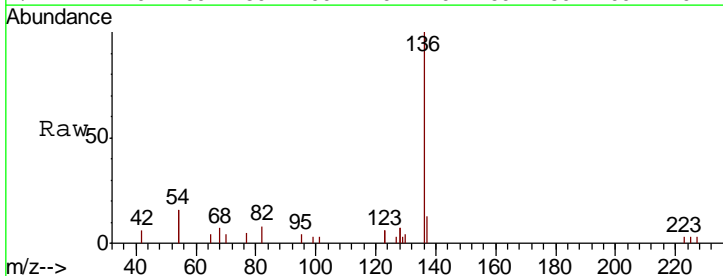
**Instrument :**  
 BNA\_E  
**ClientSampled :**  
 EXT-001-SW077-061719

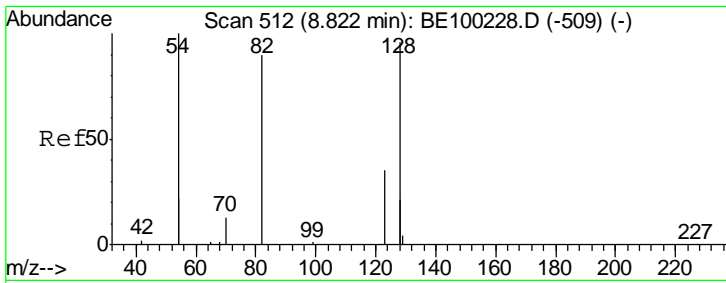
Tgt Ion	Resp	Lower	Upper
99	442		
42	16.5	11.2	16.8
71	39.1	37.2	55.8



#7  
 Naphthalene-d8  
 Concen: 0.400 ng  
 RT: 10.43 min Scan# 636  
 Delta R.T. -0.01 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Tgt Ion	Resp	Lower	Upper
136	3317		
137	13.1	11.8	17.8
54	31.4	27.7	41.5
68	7.4	6.8	10.2

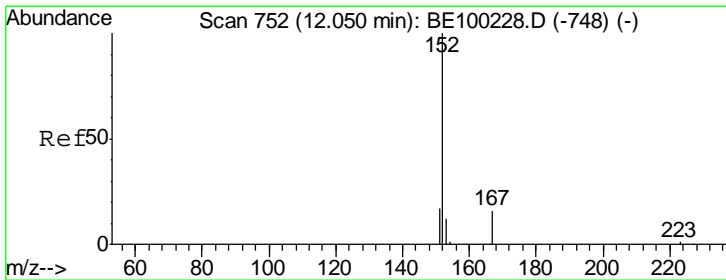
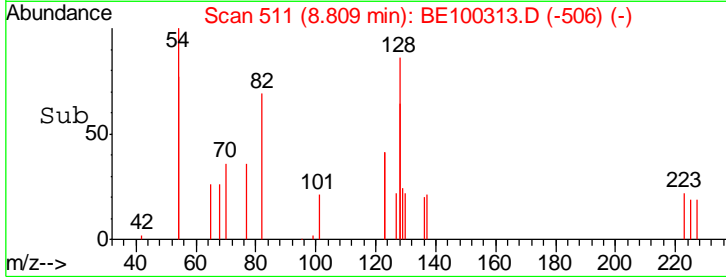
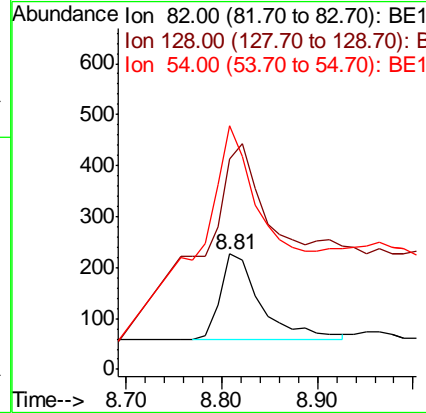
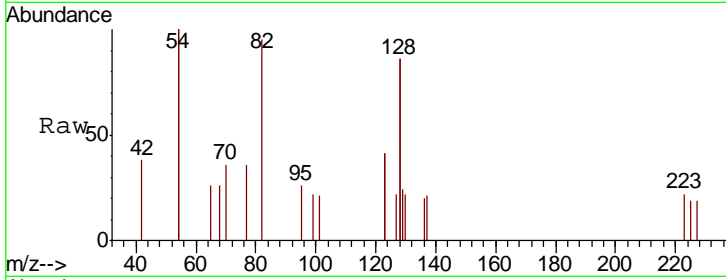




#8  
 Nitrobenzene-d5  
 Concen: 0.151 ng  
 RT: 8.81 min Scan# 511  
 Delta R.T. -0.01 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

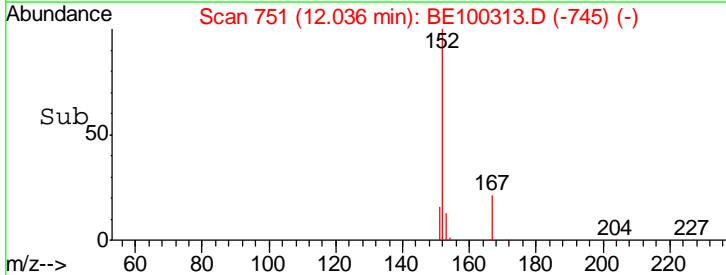
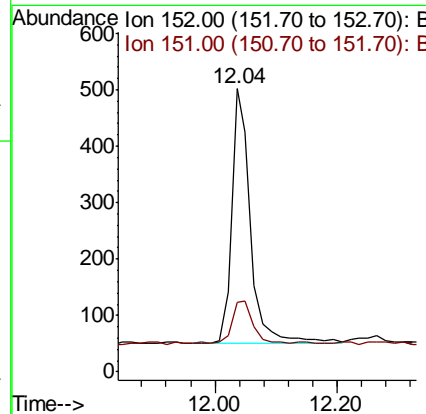
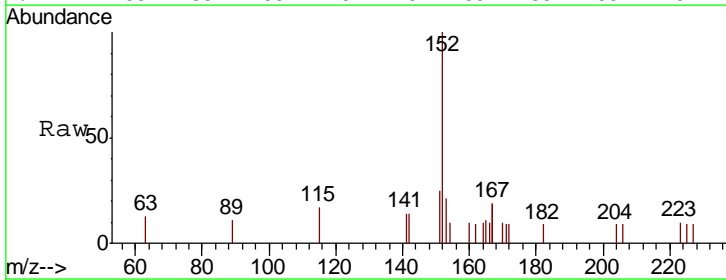
Instrument :  
 BNA\_E  
 ClientSampled :  
 EXT-001-SW077-061719

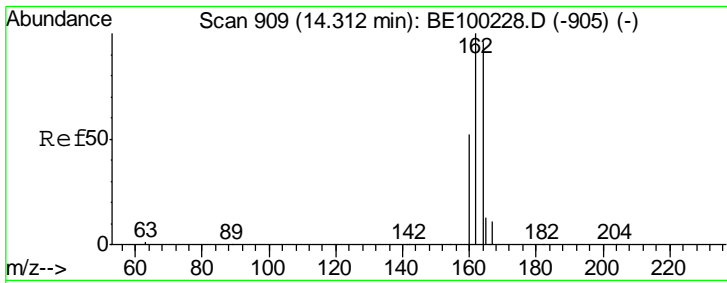
Tgt Ion	Resp	Lower	Upper
82	100		
128	181.5	140.9	211.3
54	210.6	146.2	219.2



#11  
 2-Methylnaphthalene-d10  
 Concen: 0.159 ng  
 RT: 12.04 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Tgt Ion	Resp	Lower	Upper
152	100		
151	18.3	15.1	22.7

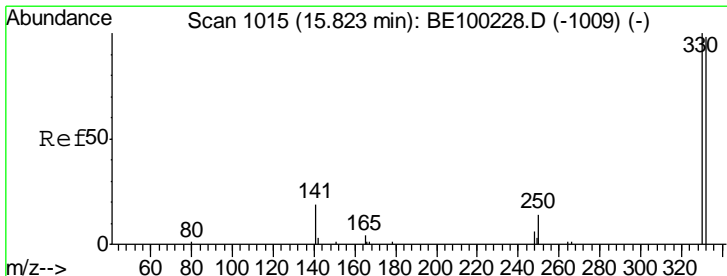
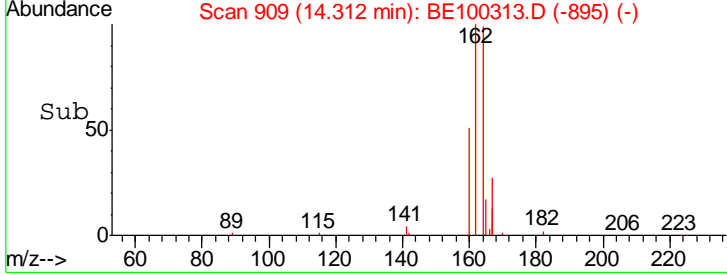
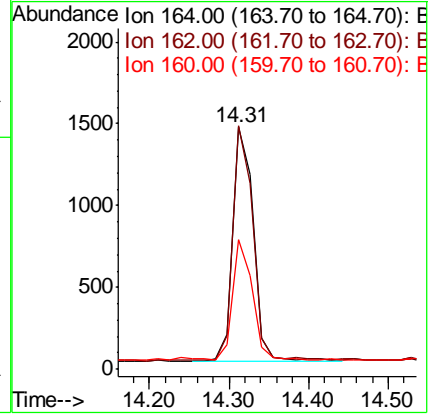
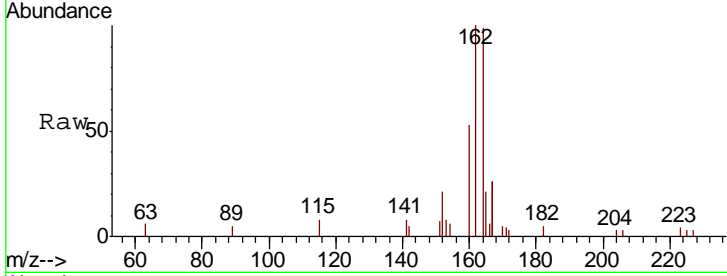




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.31 min Scan# 909  
 Delta R.T. -0.00 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

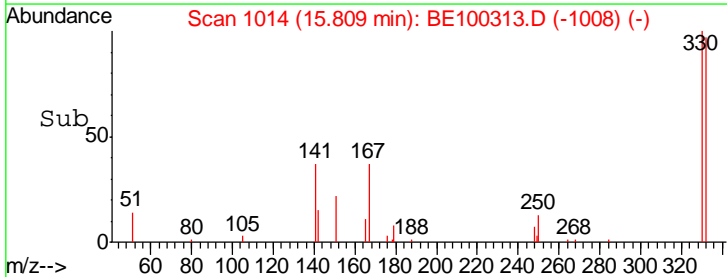
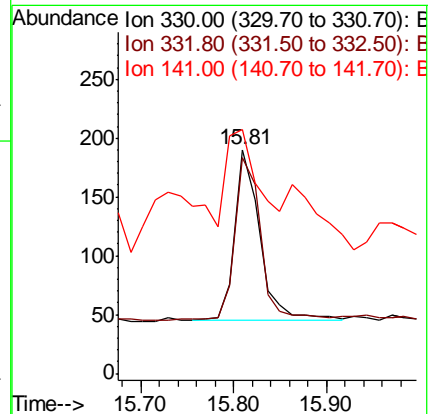
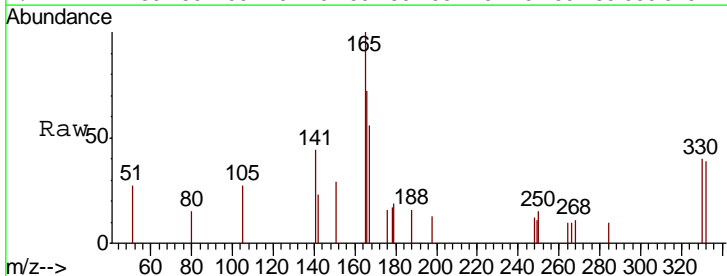
Instrument :  
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 ClientSampleId :  
 EXT-001-SW077-061719

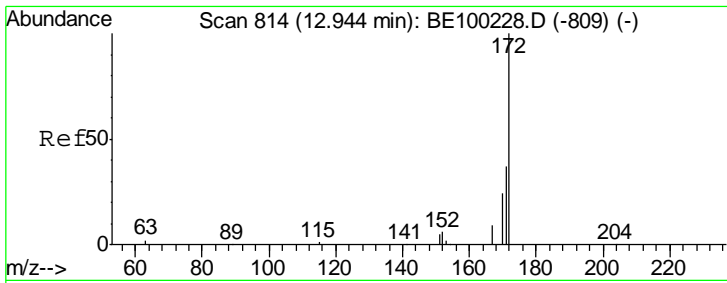
Tgt Ion	Resp	Lower	Upper
164	100		
162	100.7	83.4	125.0
160	53.6	45.0	67.6



#14  
 2,4,6-Tribromophenol  
 Concen: 0.150 ng  
 RT: 15.81 min Scan# 1014  
 Delta R.T. -0.01 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Tgt Ion	Resp	Lower	Upper
330	100		
332	95.2	77.0	115.4
141	68.8	22.0	33.0#

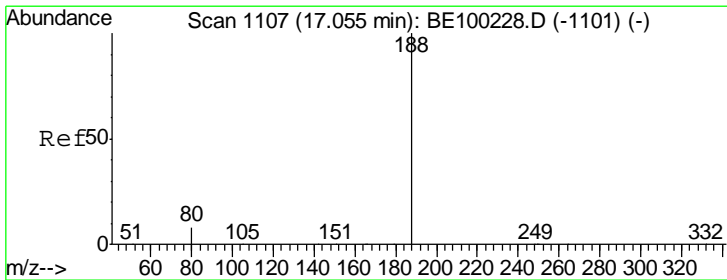
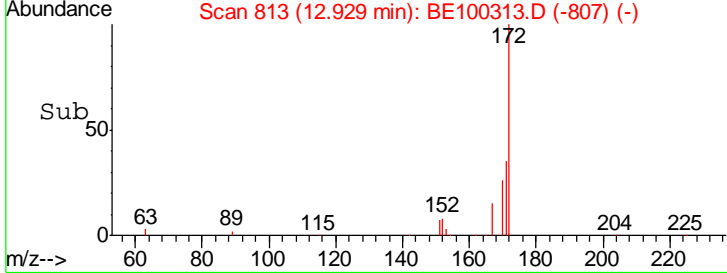
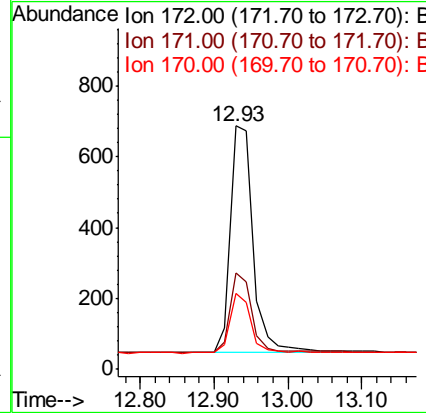
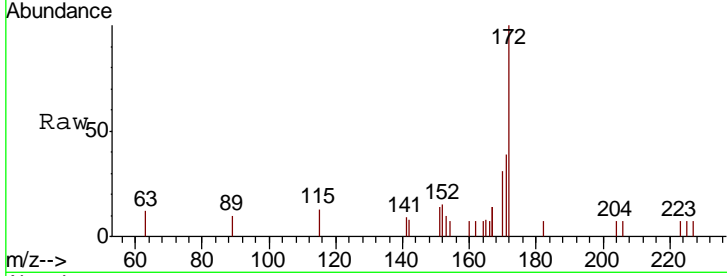




#15  
 2-Fluorobiphenyl  
 Concen: 0.139 ng  
 RT: 12.93 min Scan# 813  
 Delta R.T. -0.01 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

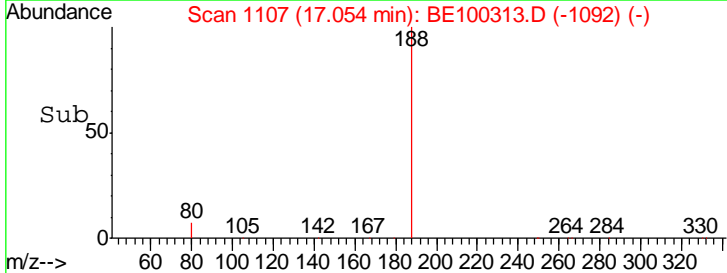
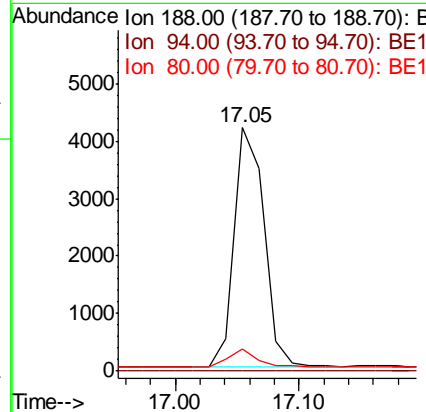
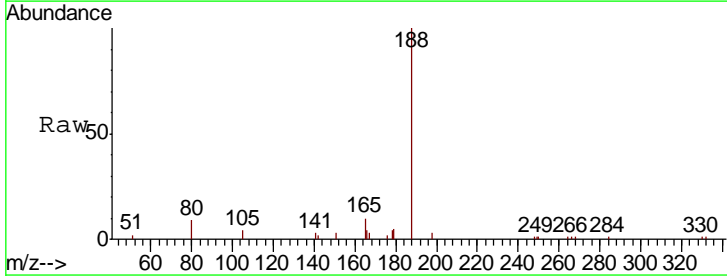
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 EXT-001-SW077-061719

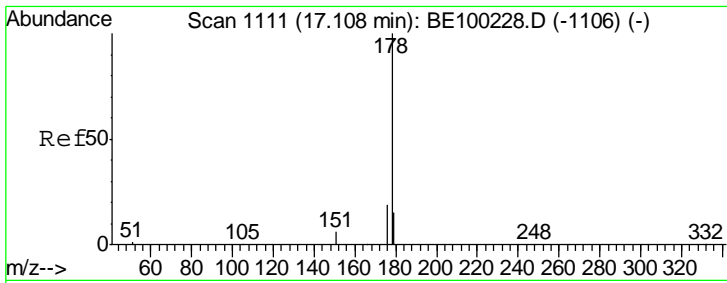
Tgt Ion	Resp	Lower	Upper
172	1389		
171	39.4	31.9	47.9
170	31.0	22.2	33.2



#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.05 min Scan# 1107  
 Delta R.T. -0.00 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Tgt Ion	Resp	Lower	Upper
188	7008		
94	0.0	0.0	0.0
80	8.9	7.6	11.4

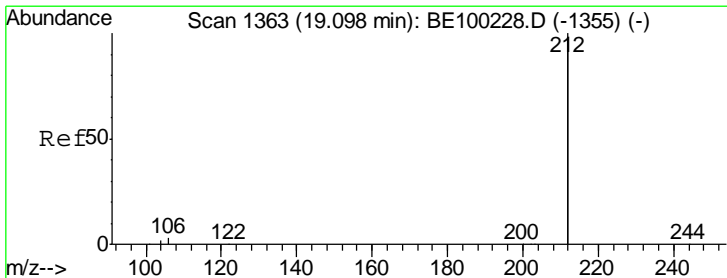
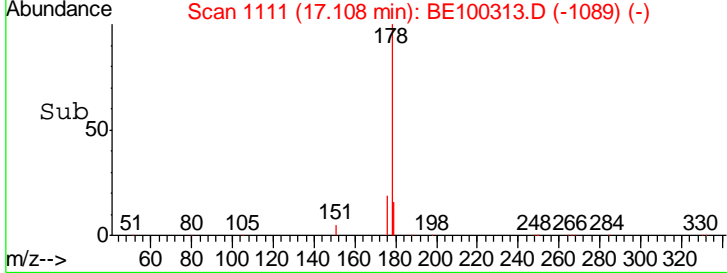
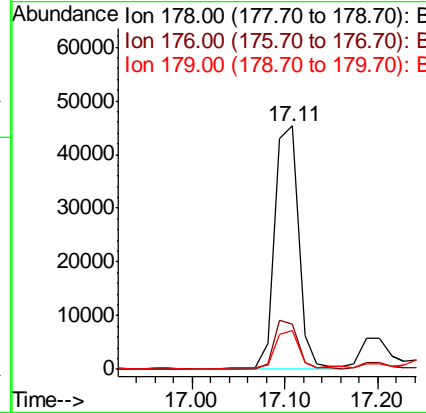
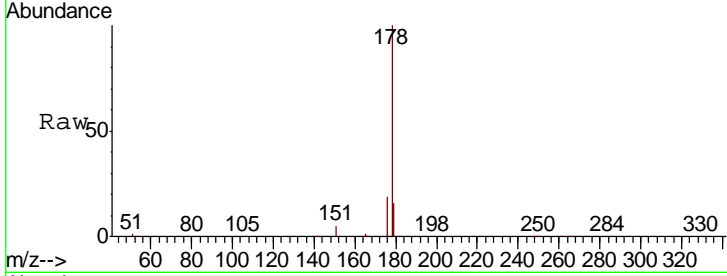




#23  
 Phenanthrene  
 Concen: 4.740 ng  
 RT: 17.11 min Scan# 1111  
 Delta R.T. -0.00 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

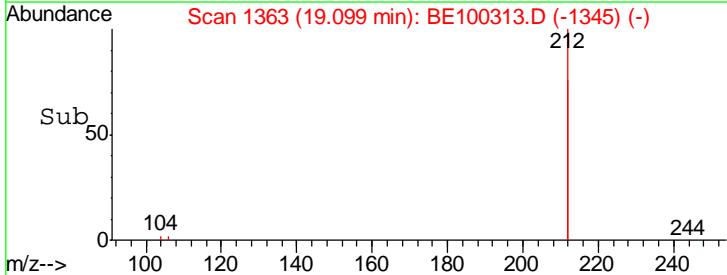
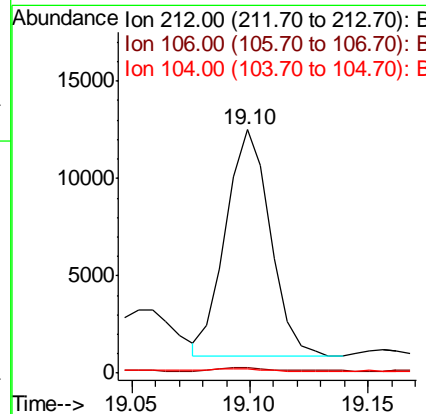
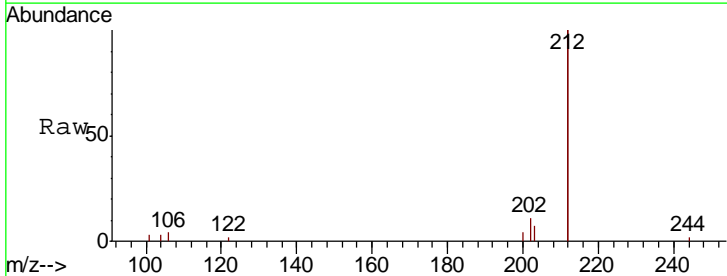
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Tgt Ion	Resp	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.8	12.2	18.2

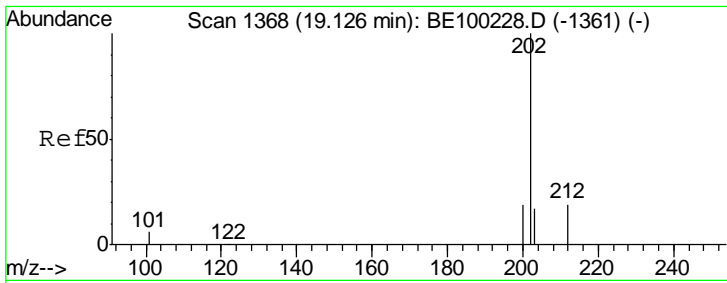


#25  
 Fluoranthene-d10  
 Concen: 0.150 ng  
 RT: 19.10 min Scan# 1363  
 Delta R.T. 0.00 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Tgt Ion	Resp	Lower	Upper
212	100		
106	1.7	1.3	1.9
104	1.1	0.8	1.2





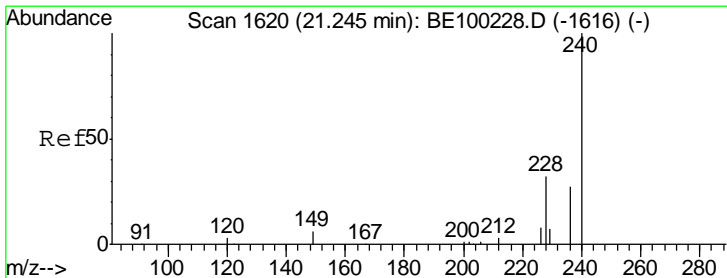
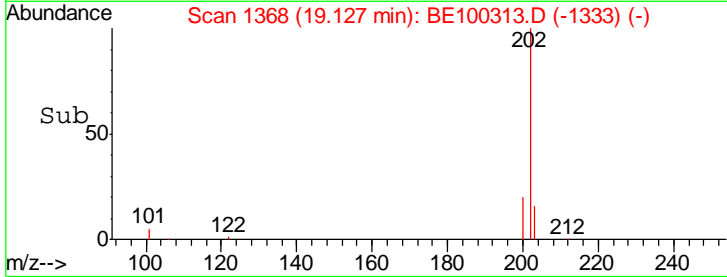
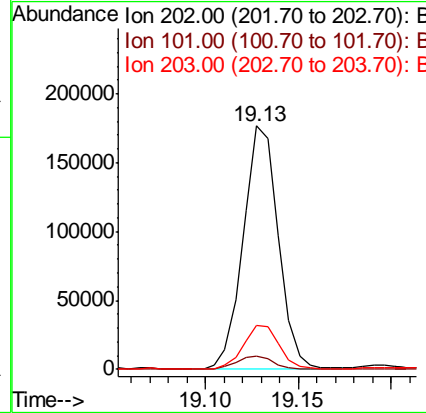
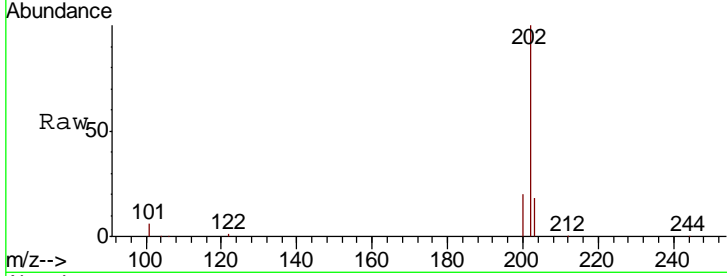


#26  
 Fluoranthene  
 Concen: 8.533 ng  
 RT: 19.13 min Scan# 1368  
 Delta R.T. 0.00 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-001-SW077-061719

Tgt Ion: 202 Resp: 230865

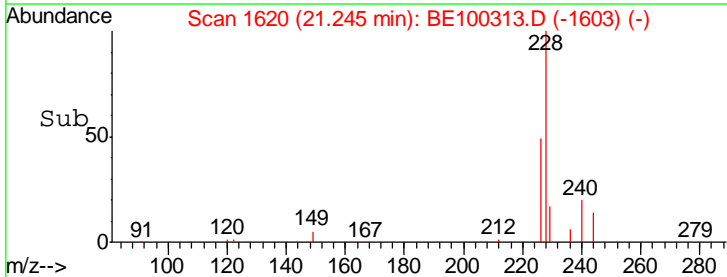
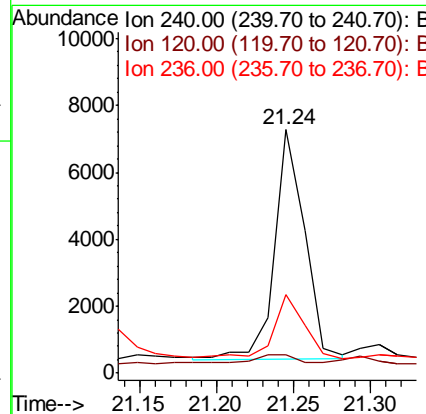
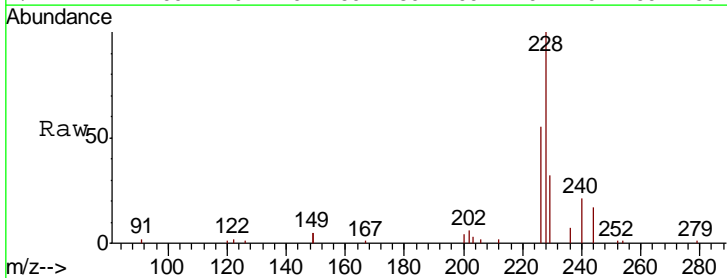
Ion	Ratio	Lower	Upper
202	100		
101	5.5	4.6	7.0
203	18.2	13.7	20.5

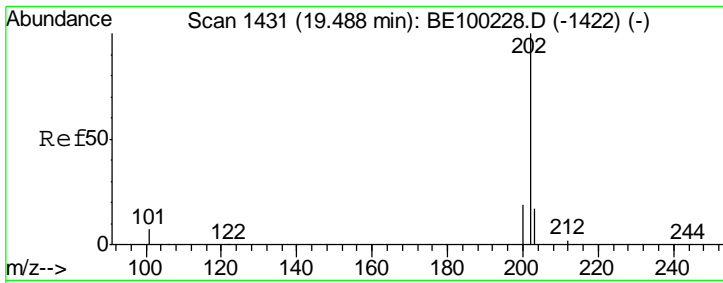


#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.24 min Scan# 1620  
 Delta R.T. 0.00 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Tgt Ion: 240 Resp: 9291

Ion	Ratio	Lower	Upper
240	100		
120	7.3	3.3	4.9#
236	32.4	22.6	34.0

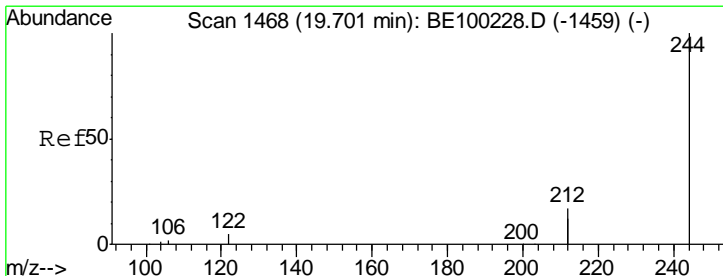
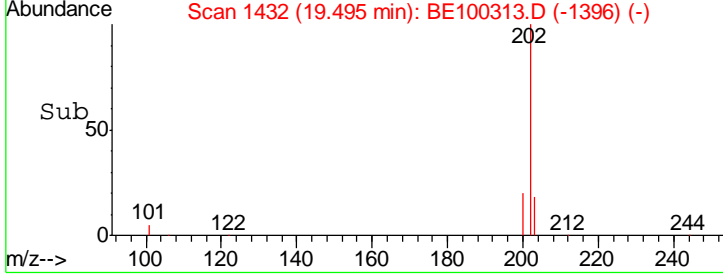
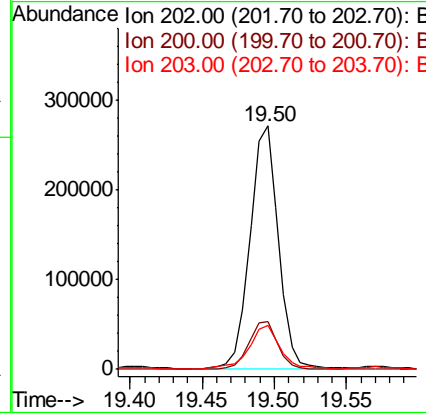
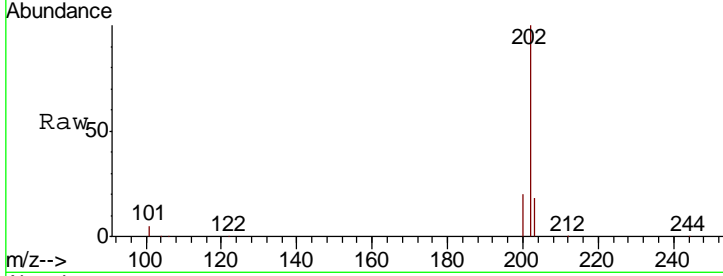




#28  
 Pyrene  
 Concen: 15.034 ng  
 RT: 19.50 min Scan# 1432  
 Delta R.T. 0.01 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

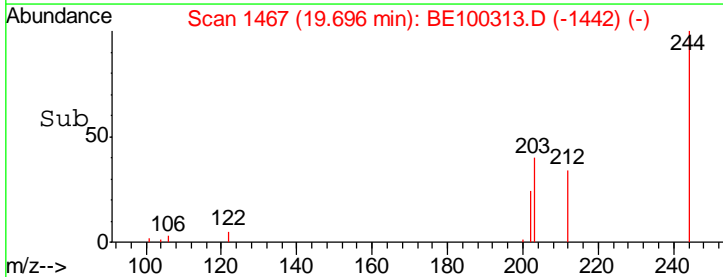
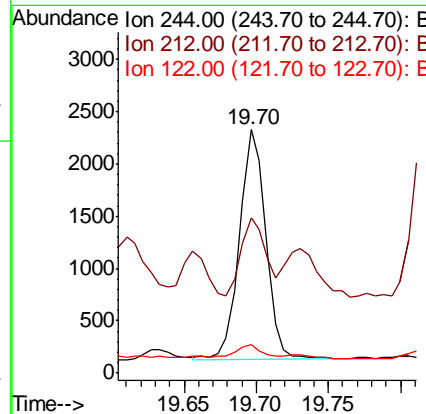
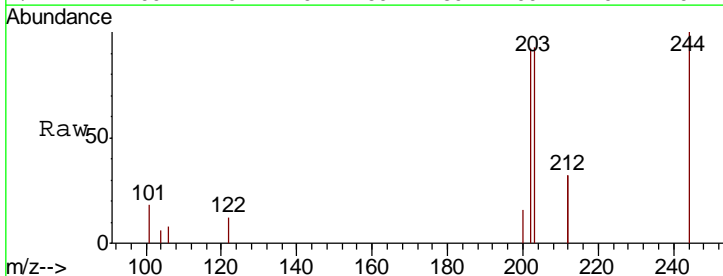
**Instrument :**  
 BNA\_E  
**ClientSampled :**  
 EXT-001-SW077-061719

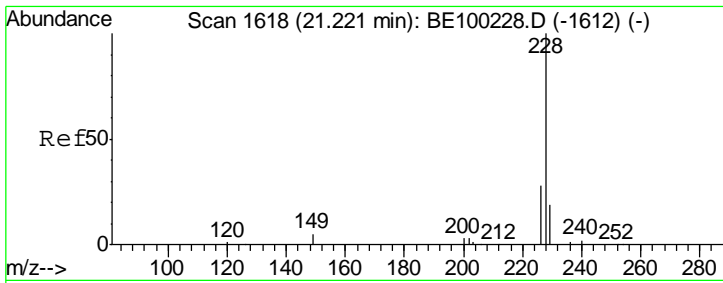
Tgt Ion	Resp	Lower	Upper
202	369822		
200	19.8	15.6	23.4
203	19.6	14.0	21.0



#29  
 Terphenyl-d14  
 Concen: 0.146 ng  
 RT: 19.70 min Scan# 1467  
 Delta R.T. -0.00 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Tgt Ion	Resp	Lower	Upper
244	2812		
212	63.9	27.3	40.9#
122	11.6	4.7	7.1#



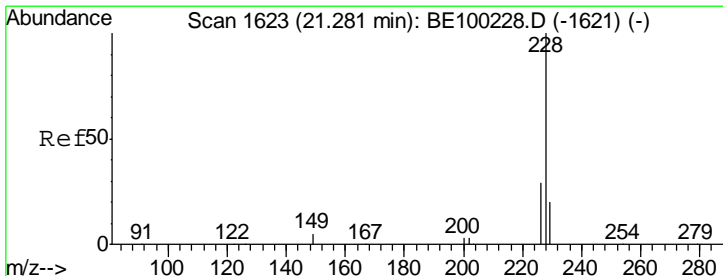
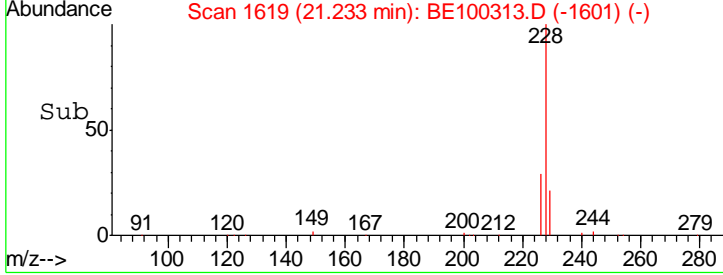
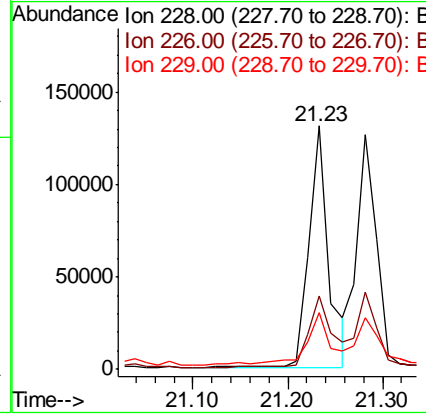
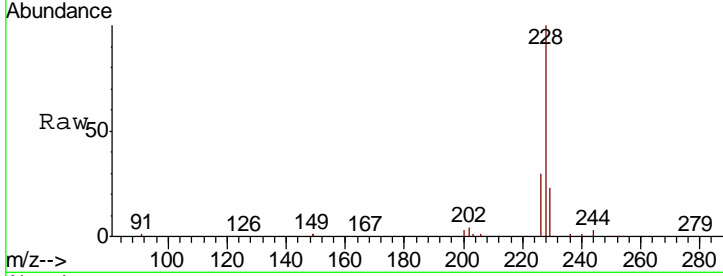


#30  
 Benzo(a)anthracene  
 Concen: 6.166 ng  
 RT: 21.23 min Scan# 1619  
 Delta R.T. 0.01 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Instrument : BNA\_E  
 ClientSampleId : EXT-001-SW077-061719

Tgt Ion: 228 Resp: 188374

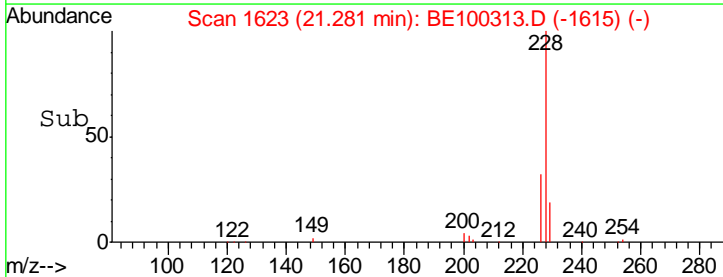
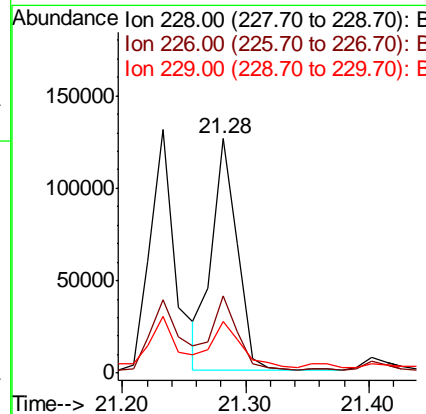
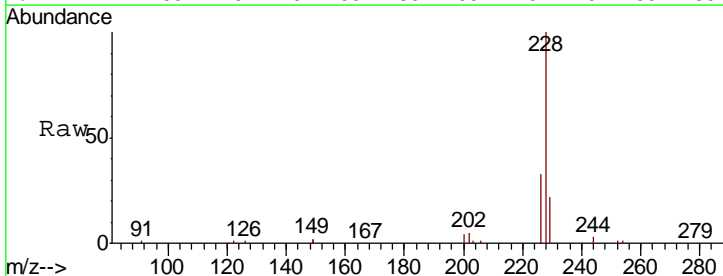
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.2	34.8
229	23.5	15.7	23.5

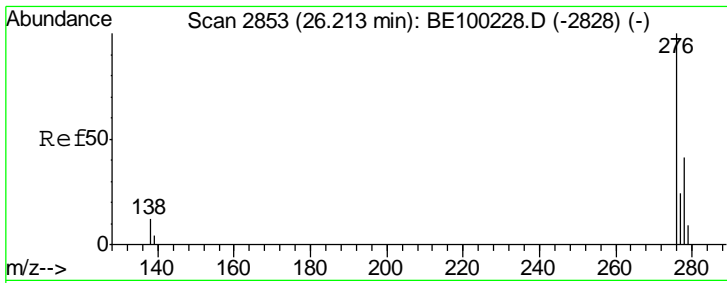


#31  
 Chrysene  
 Concen: 5.908 ng  
 RT: 21.28 min Scan# 1623  
 Delta R.T. 0.00 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Tgt Ion: 228 Resp: 181234

Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.9	35.9
229	22.1	16.5	24.7



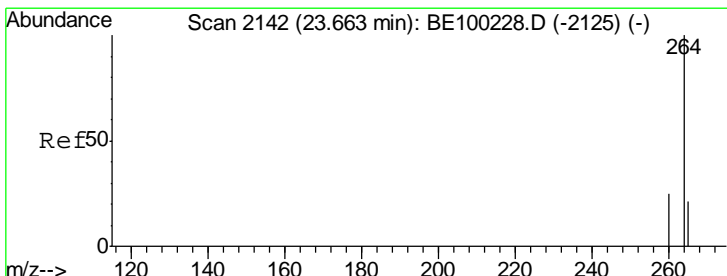
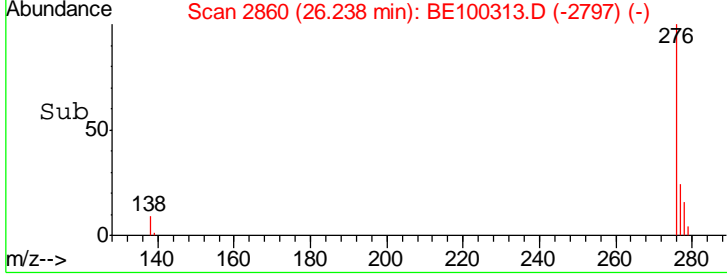
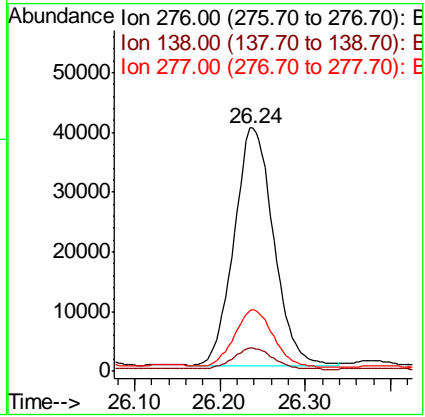
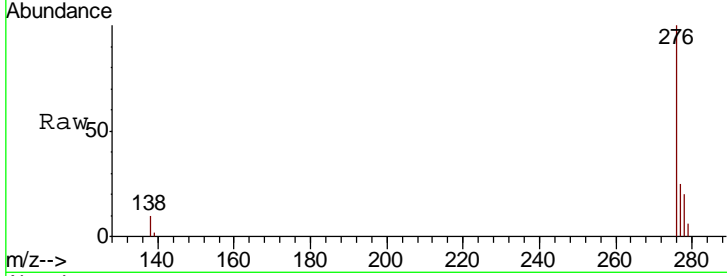


#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.144 ng  
 RT: 26.24 min Scan# 2860  
 Delta R.T. 0.02 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

**Instrument :**  
 BNA\_E  
**ClientSampled :**  
 EXT-001-SW077-061719

Tgt Ion: 276 Resp: 127545

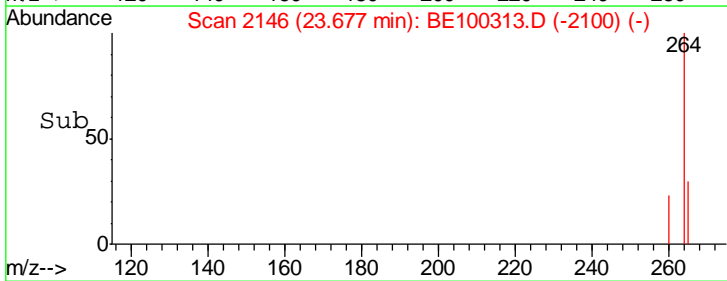
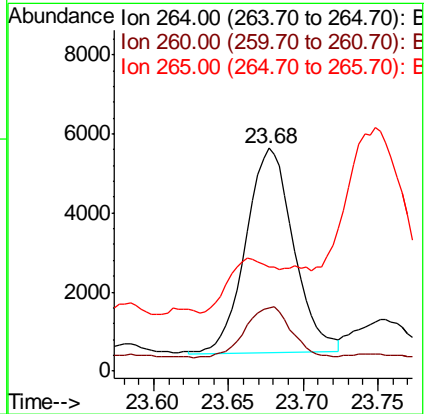
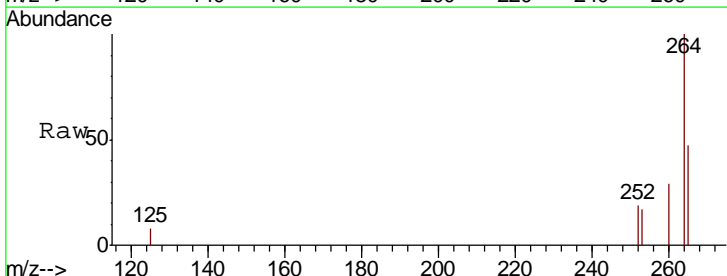
Ion	Ratio	Lower	Upper
276	100		
138	8.9	9.4	14.0#
277	24.0	19.2	28.8

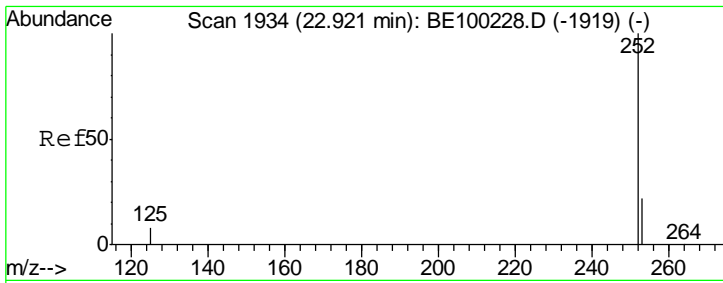


#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.68 min Scan# 2146  
 Delta R.T. 0.01 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Tgt Ion: 264 Resp: 11553

Ion	Ratio	Lower	Upper
264	100		
260	28.5	20.8	31.2
265	46.9	21.8	32.6#



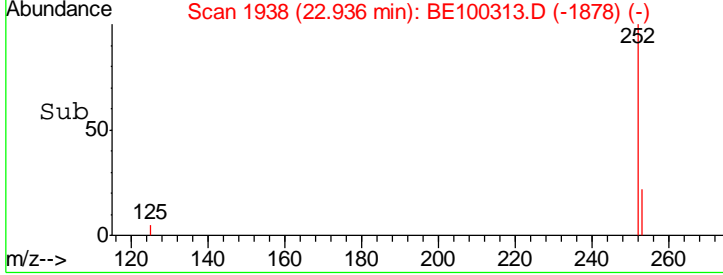
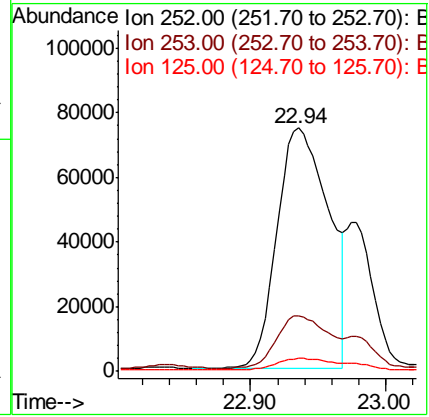
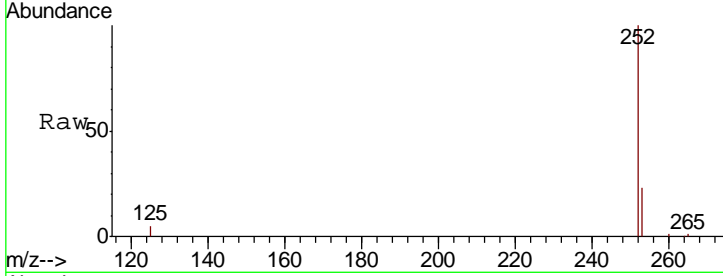


#35  
 Benzo(b)fluoranthene  
 Concen: 6.294 ng  
 RT: 22.94 min Scan# 1938  
 Delta R.T. 0.01 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

**Instrument :**  
 BNA\_E  
**ClientSampleId :**  
 EXT-001-SW077-061719

Tgt Ion: 252 Resp: 197156

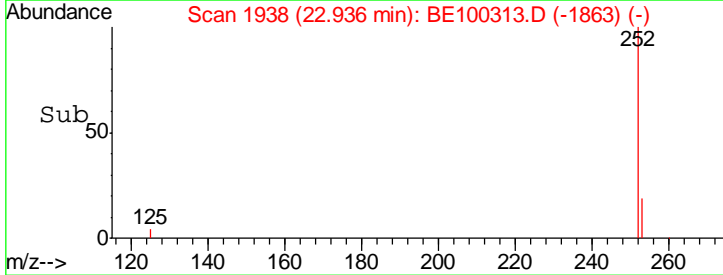
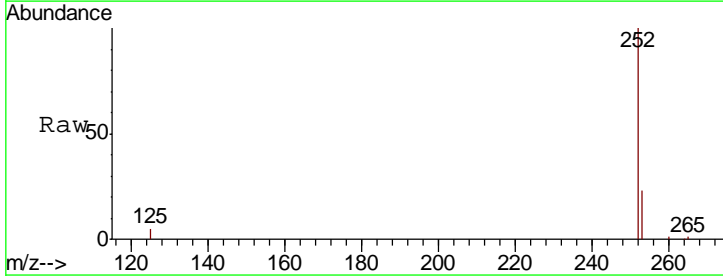
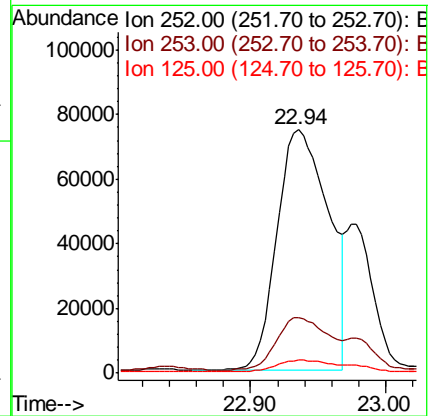
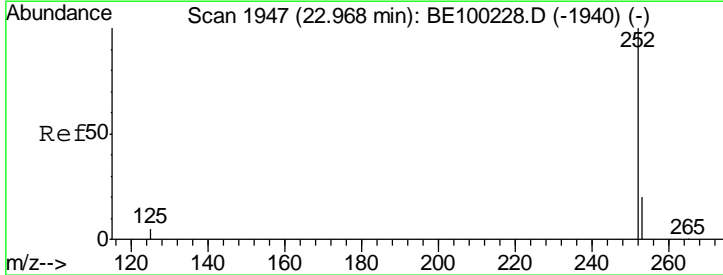
Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.2	28.8
125	5.2	7.4	11.0#

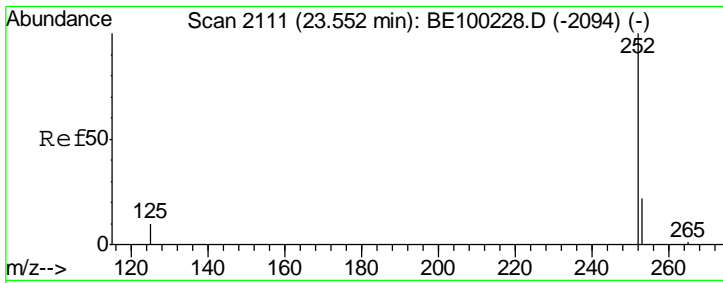


#36  
 Benzo(k)fluoranthene  
 Concen: 5.639 ng  
 RT: 22.94 min Scan# 1938  
 Delta R.T. -0.03 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Tgt Ion: 252 Resp: 197156

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	5.2	5.0	7.4

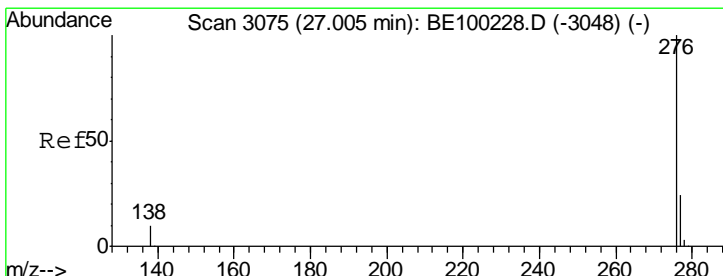
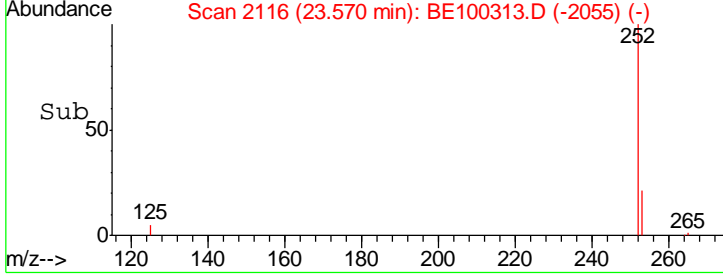
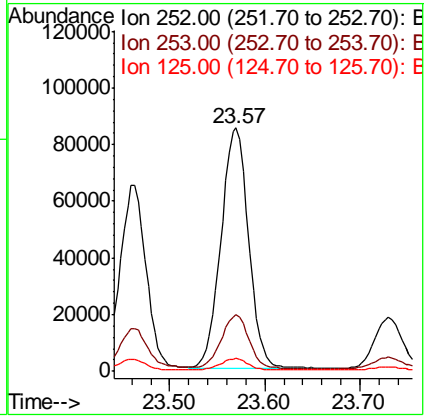
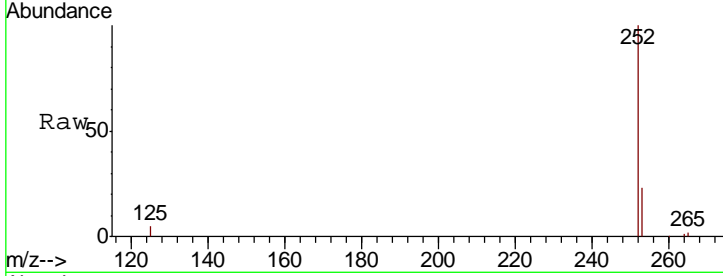




#37  
 Benzo(a)pyrene  
 Concen: 5.426 ng  
 RT: 23.57 min Scan# 2116  
 Delta R.T. 0.02 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-001-SW077-061719

Tgt Ion	Resp	Lower	Upper
252	170351		
253	23.2	19.6	29.4
125	5.2	9.0	13.6#



#39  
 Benzo(g,h,i)perylene  
 Concen: 4.341 ng  
 RT: 27.03 min Scan# 3083  
 Delta R.T. 0.03 min  
 Lab File: BE100313.D  
 Acq: 2 Jul 2019 21:41

Tgt Ion	Resp	Lower	Upper
276	146219		
277	24.8	20.2	30.2
138	9.7	9.0	13.6

