

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN081319\  
 Data File : BN007133.D  
 Acq On : 13 Aug 2019 15:55  
 Operator : HP/JU  
 Sample : K4173-05  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-016-B055-073119

Quant Time: Aug 14 03:42:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN081019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 13 12:12:02 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9620	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	37746	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	21626	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	50109	0.40	ng	0.00
26) Chrysene-d12	21.04	240	48320	0.40	ng	-0.01
32) Perylene-d12	23.16	264	54406	0.40	ng	-0.01

## System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	6361	0.28	ng	0.00
4) Phenol-d6	6.62	99	8608	0.30	ng	0.00
7) Nitrobenzene-d5	8.56	82	7093	0.23	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	15322	0.22	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	2490	0.21	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3917	0.12	ng	0.00
24) Fluoranthene-d10	18.87	212	34016	0.19	ng	0.00
28) Terphenyl-d14	19.49	244	25644	0.19	ng	-0.01

## Target Compounds

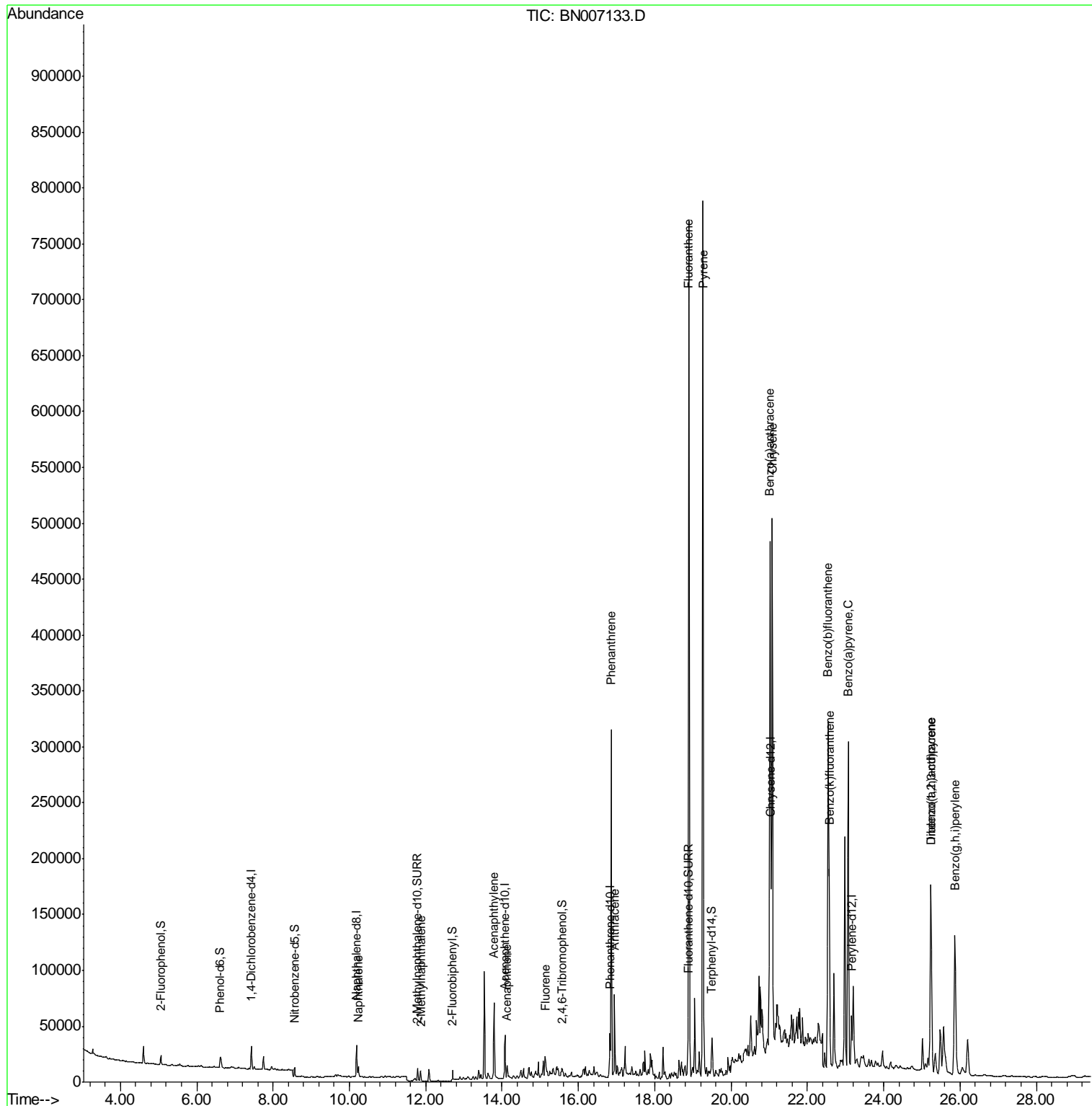
						Qvalue
8) Naphthalene	10.24	128	12523	0.118	ng	98
11) 2-Methylnaphthalene	11.86	142	6682	0.089	ng	94
15) Acenaphthylene	13.79	152	85366	0.755	ng	100
16) Acenaphthene	14.13	154	7167	0.099	ng	93
17) Fluorene	15.13	166	15908	0.147	ng	# 81
22) Phenanthrene	16.87	178	294484	1.961	ng	100
23) Anthracene	16.95	178	84485	0.616	ng	97
25) Fluoranthene	18.90	202	686694	3.575	ng	99
27) Pyrene	19.26	202	724653	4.276	ng	97
29) Benzo(a)anthracene	21.02	228	390955m	2.212	ng	
30) Chrysene	21.08	228	391407	2.280	ng	96
31) Indeno(1,2,3-cd)pyrene	25.24	276	256684	1.356	ng	98
33) Benzo(b)fluoranthene	22.54	252	524012	2.809	ng	99
34) Benzo(k)fluoranthene	22.58	252	173408m	0.941	ng	
35) Benzo(a)pyrene	23.07	252	382106	2.259	ng	99
36) Dibenzo(a,h)anthracene	25.25	278	70356	0.417	ng	# 87
37) Benzo(g,h,i)perylene	25.87	276	250055	1.441	ng	99

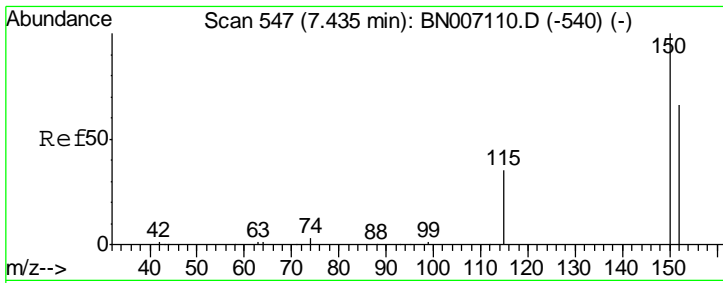
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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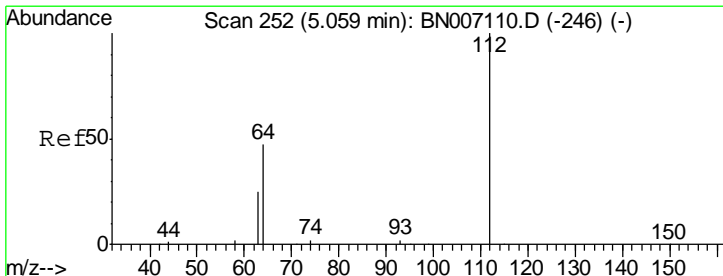
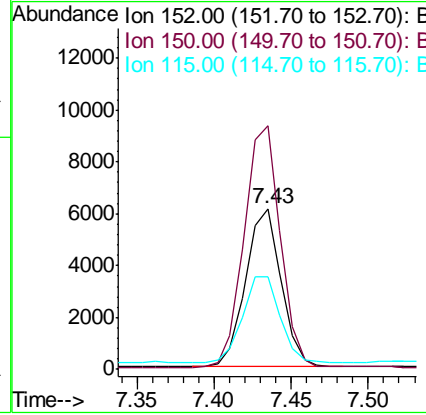
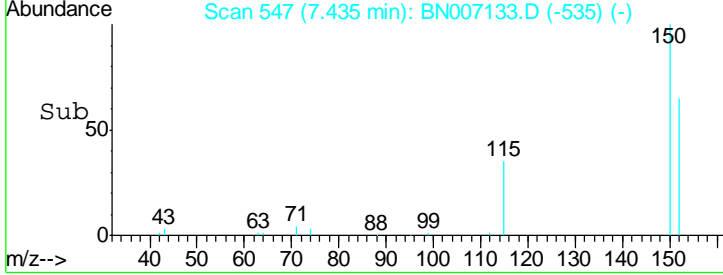
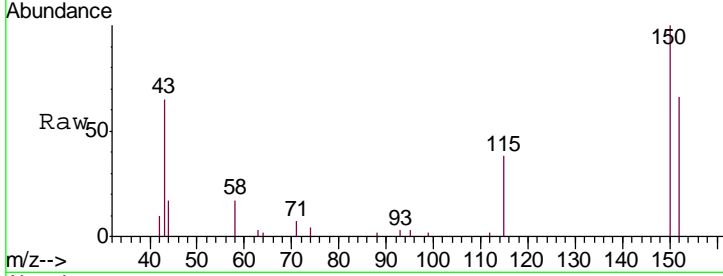




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.43 min Scan# 547  
 Delta R.T. -0.00 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

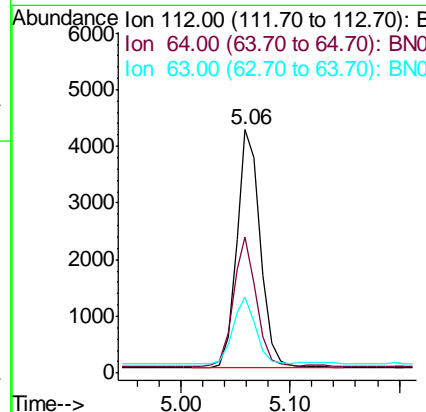
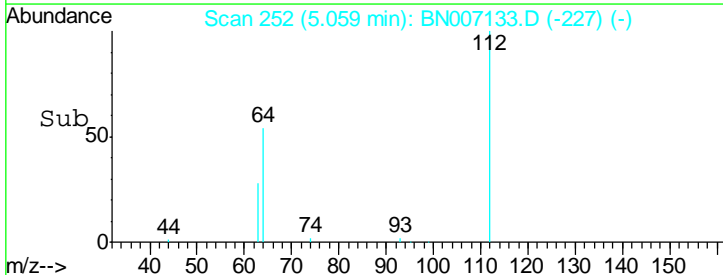
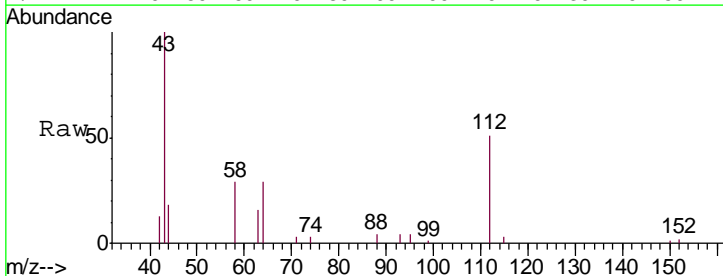
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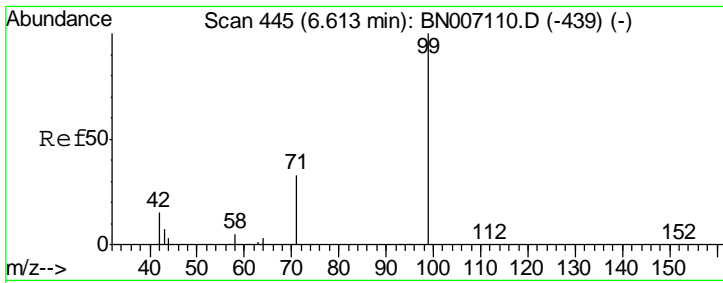
Tgt Ion	Resp	Lower	Upper
152	9620		
150	151.2	121.7	182.5
115	57.6	46.2	69.4



#3  
 2-Fluorophenol  
 Concen: 0.275 ng  
 RT: 5.06 min Scan# 252  
 Delta R.T. -0.00 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion	Resp	Lower	Upper
112	6361		
64	52.1	42.6	63.8
63	26.8	22.2	33.2

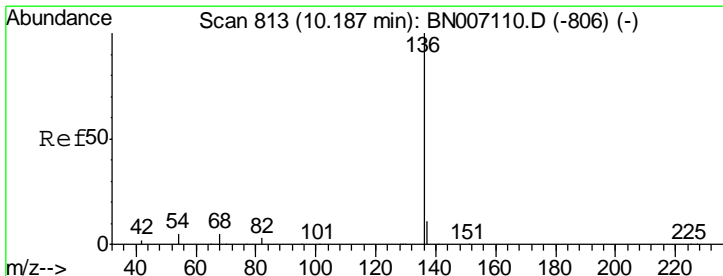
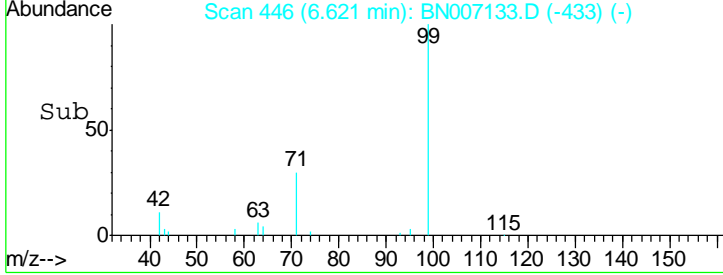
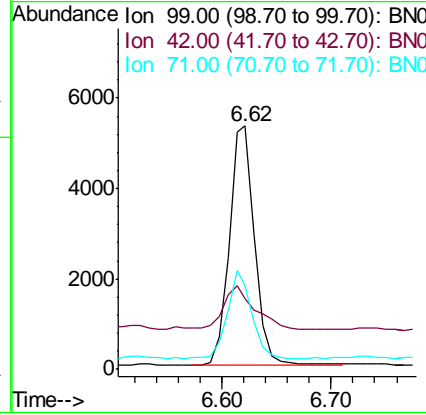
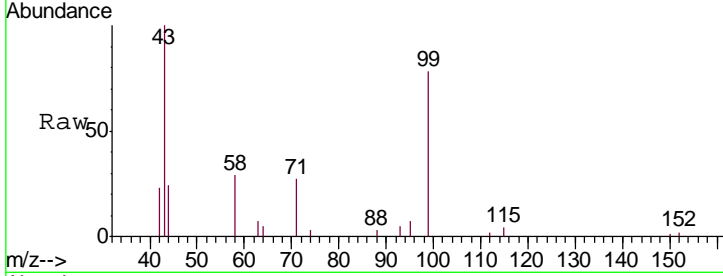




#4  
 Phenol-d6  
 Concen: 0.301 ng  
 RT: 6.62 min Scan# 446  
 Delta R.T. 0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

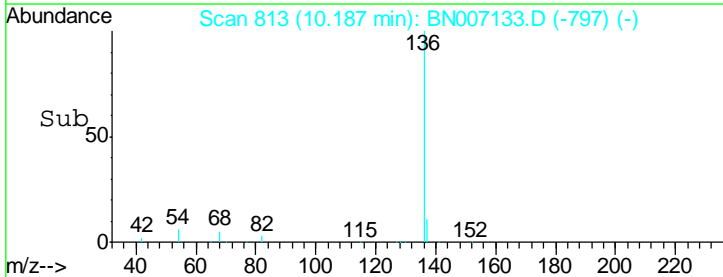
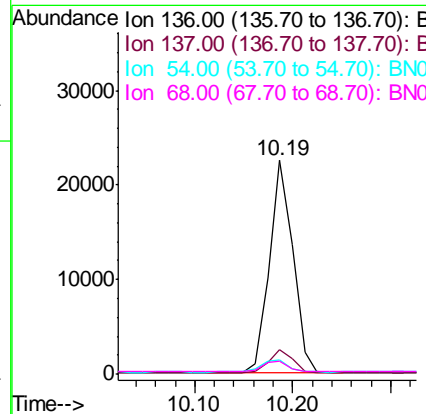
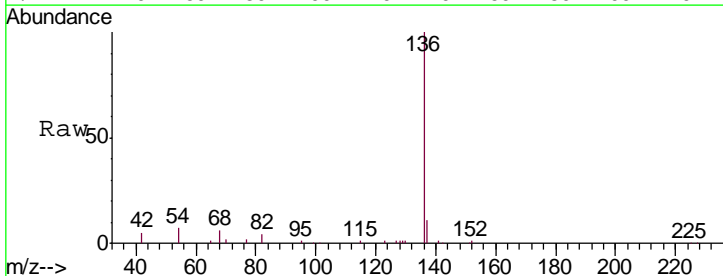
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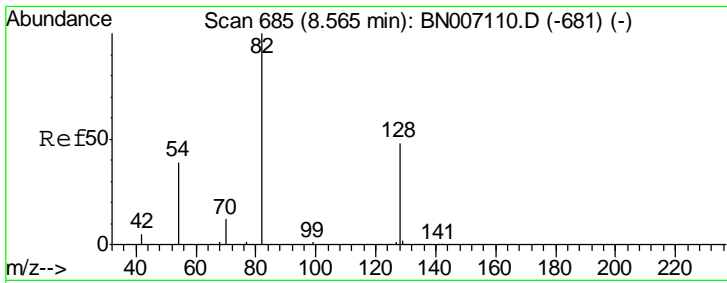
Tgt Ion	Resp	Lower	Upper
99	8608		
42	22.8	15.8	23.6
71	35.0	27.0	40.4



#6  
 Naphthalene-d8  
 Concen: 0.400 ng  
 RT: 10.19 min Scan# 813  
 Delta R.T. -0.00 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion	Resp	Lower	Upper
136	37746		
137	11.3	9.4	14.0
54	6.5	6.6	9.8#
68	6.1	6.0	9.0

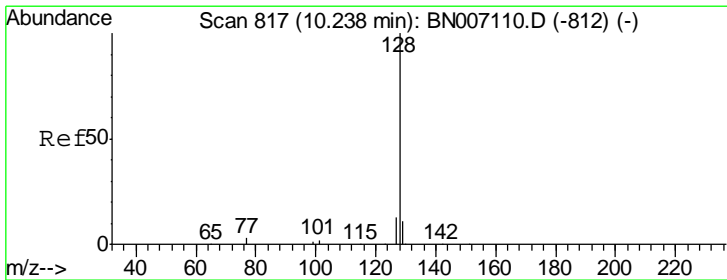
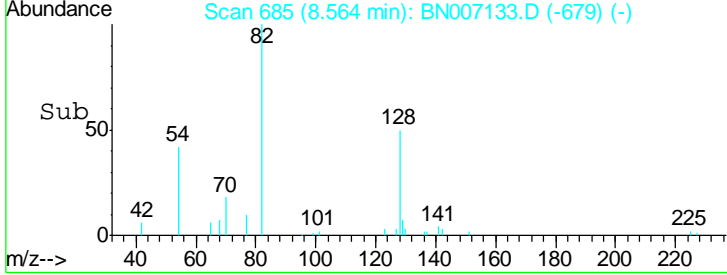
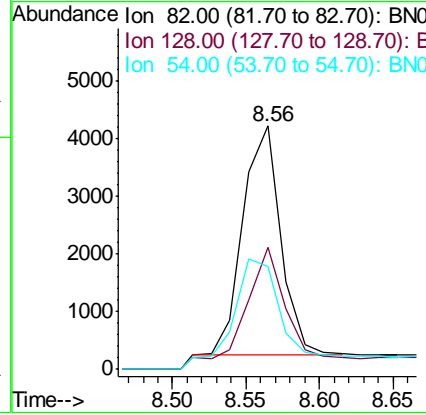
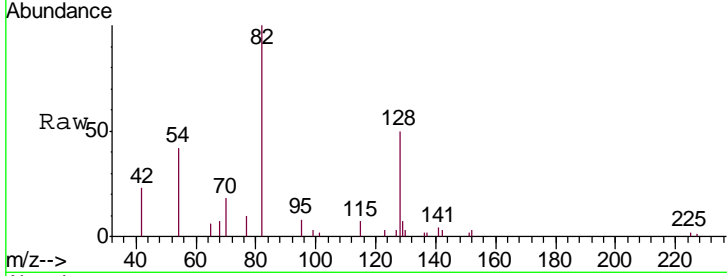




#7  
 Nitrobenzene-d5  
 Concen: 0.233 ng  
 RT: 8.56 min Scan# 685  
 Delta R.T. -0.00 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

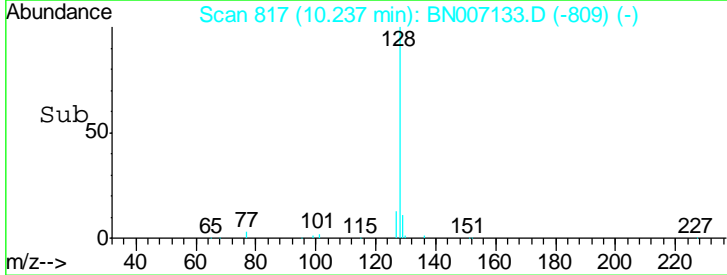
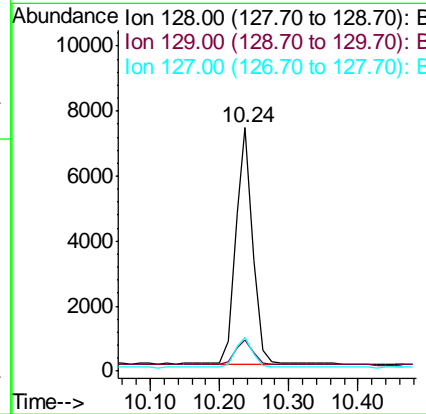
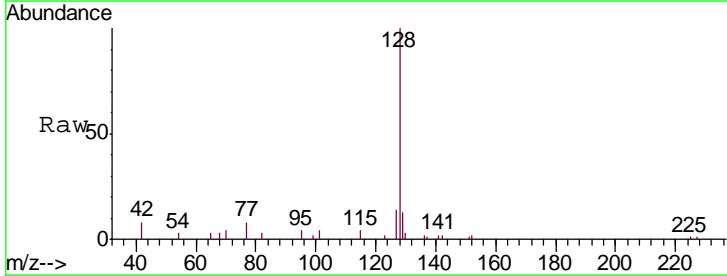
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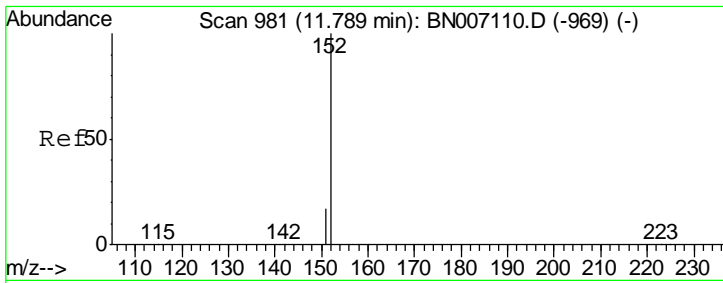
Tgt Ion	Resp	Lower	Upper
82	7093		
128	50.2	34.6	51.8
54	42.1	36.2	54.4



#8  
 Naphthalene  
 Concen: 0.118 ng  
 RT: 10.24 min Scan# 817  
 Delta R.T. -0.00 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion	Resp	Lower	Upper
128	12523		
129	13.0	9.4	14.2
127	14.1	11.0	16.6

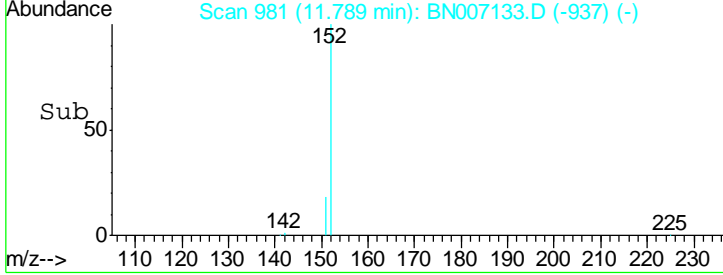
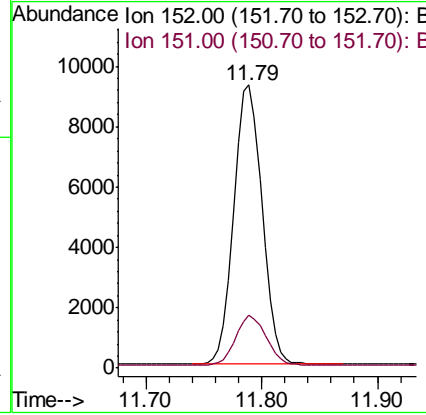
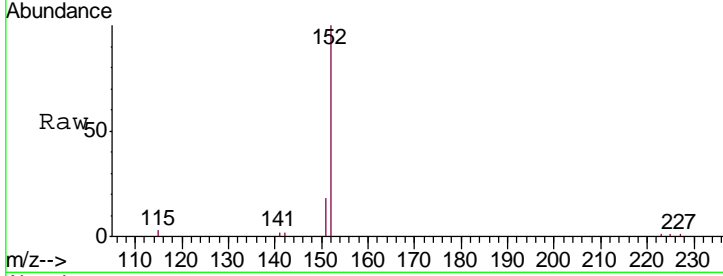




#10  
 2-Methylnaphthalene-d10  
 Concen: 0.218 ng  
 RT: 11.79 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

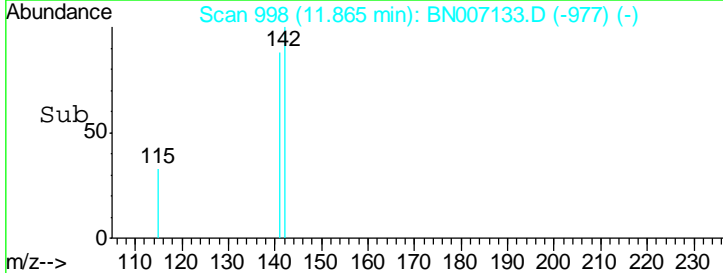
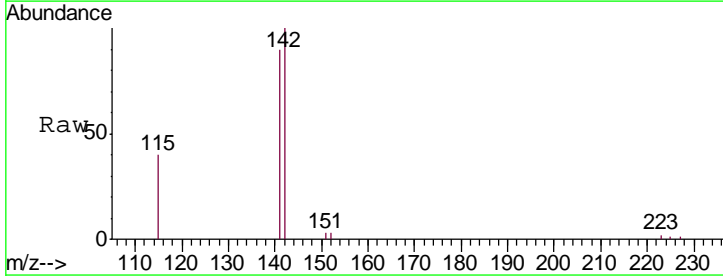
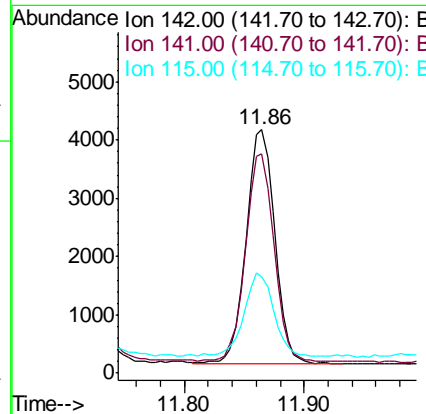
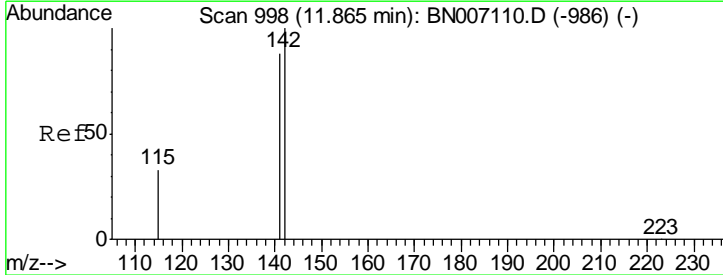
**Instrument :**  
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**ClientSampleId :**  
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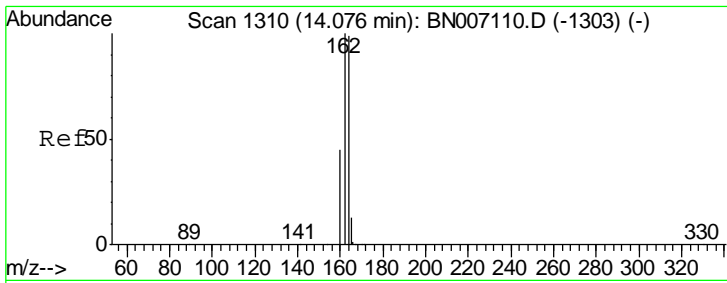
Tgt Ion	Resp	Lower	Upper
152	15322		
151	19.6	15.5	23.3



#11  
 2-Methylnaphthalene  
 Concen: 0.089 ng  
 RT: 11.86 min Scan# 998  
 Delta R.T. -0.00 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion	Resp	Lower	Upper
142	6682		
141	90.1	69.0	103.6
115	39.6	27.1	40.7

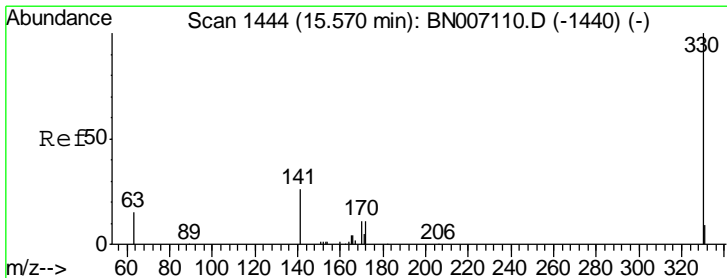
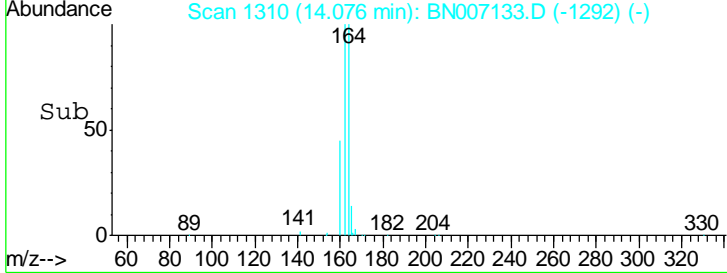
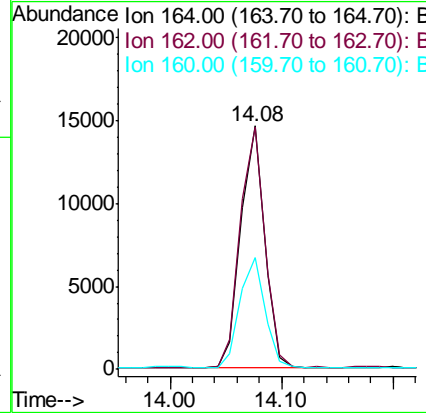
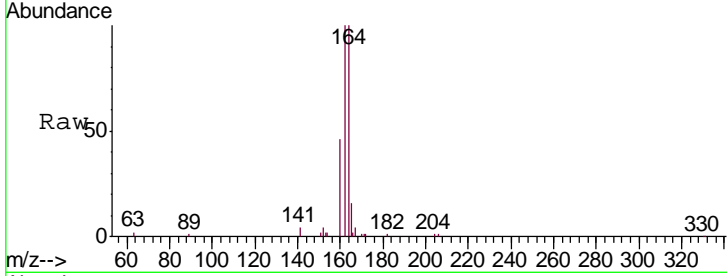




#12  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.08 min Scan# 1310  
 Delta R.T. -0.00 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

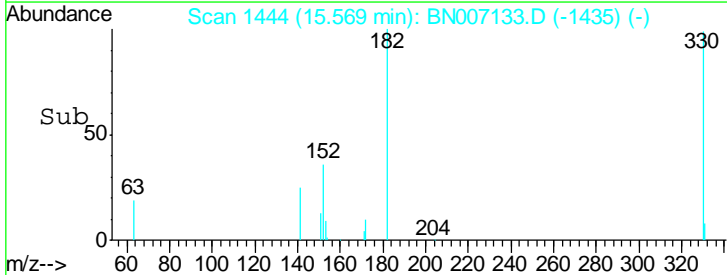
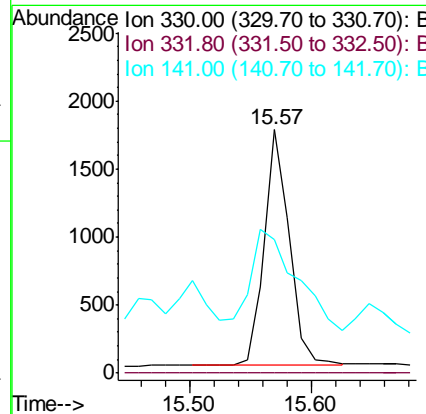
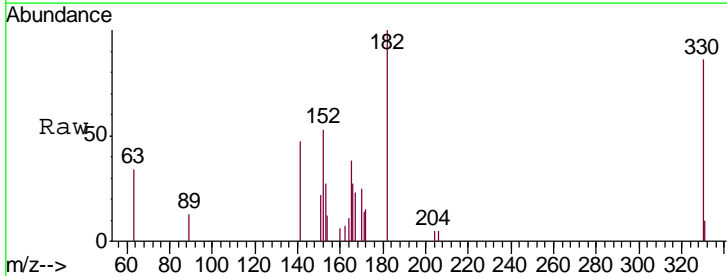
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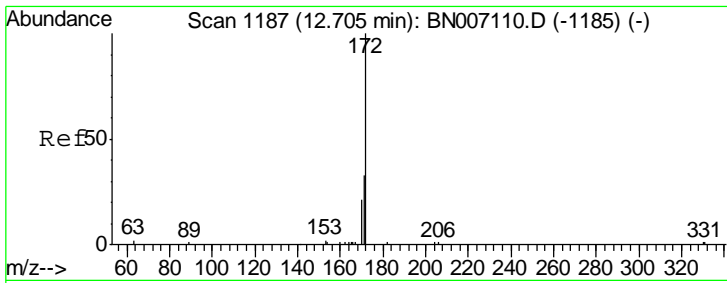
Tgt Ion	Resp	Lower	Upper
164	100		
162	99.6	82.2	123.4
160	45.8	38.3	57.5



#13  
 2,4,6-Tribromophenol  
 Concen: 0.214 ng  
 RT: 15.57 min Scan# 1444  
 Delta R.T. -0.00 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion	Resp	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	77.1	33.6	50.4#

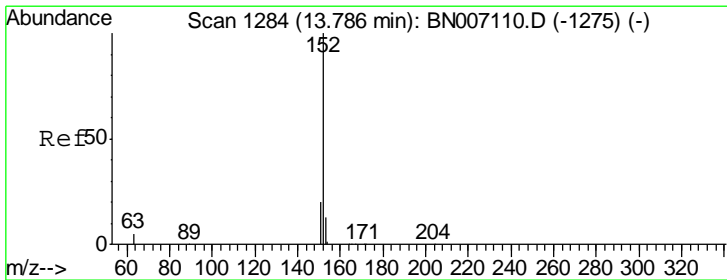
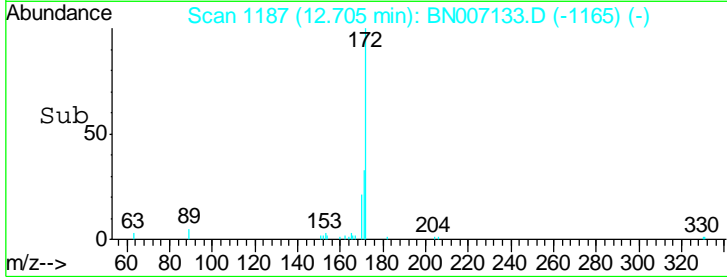
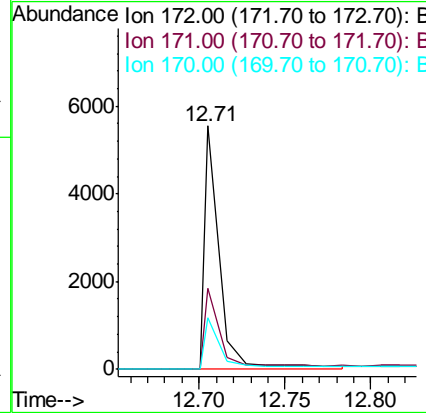
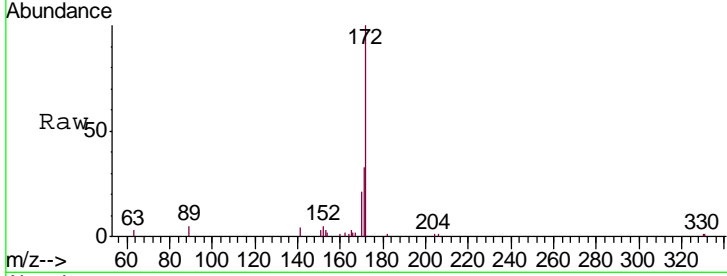




#14  
 2-Fluorobiphenyl  
 Concen: 0.125 ng  
 RT: 12.71 min Scan# 1187  
 Delta R.T. -0.00 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

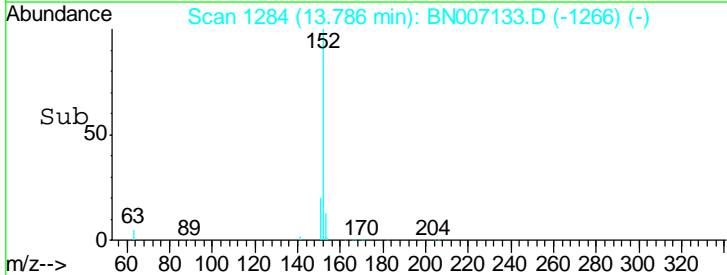
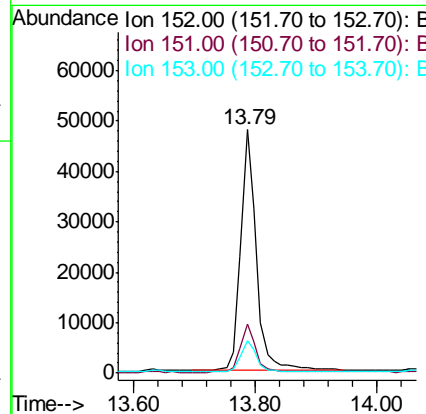
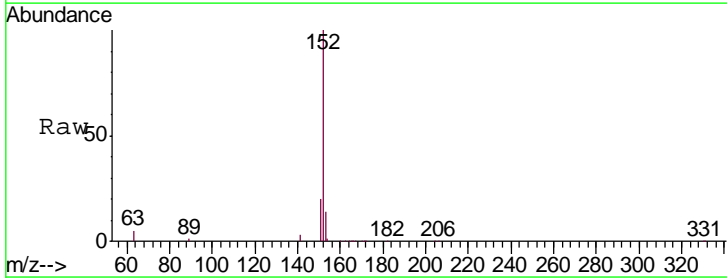
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Tgt Ion	Resp	Ion Ratio	Lower	Upper
172	3917	100		
171		33.4	26.3	39.5
170		21.0	17.0	25.4

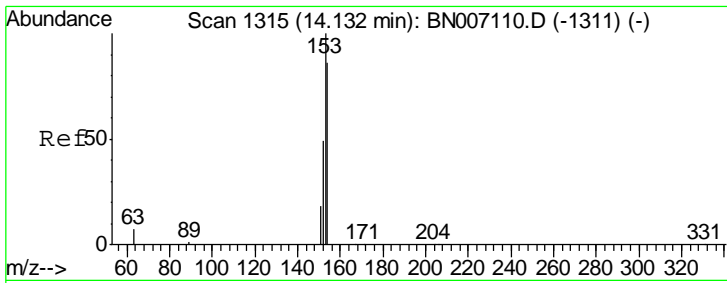


#15  
 Acenaphthylene  
 Concen: 0.755 ng  
 RT: 13.79 min Scan# 1284  
 Delta R.T. -0.00 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion	Resp	Ion Ratio	Lower	Upper
152	85366	100		
151		19.8	15.8	23.6
153		13.2	10.4	15.6



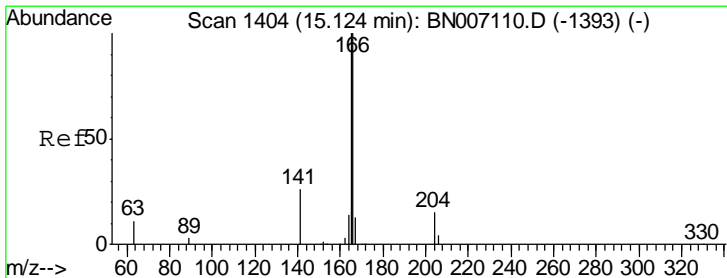
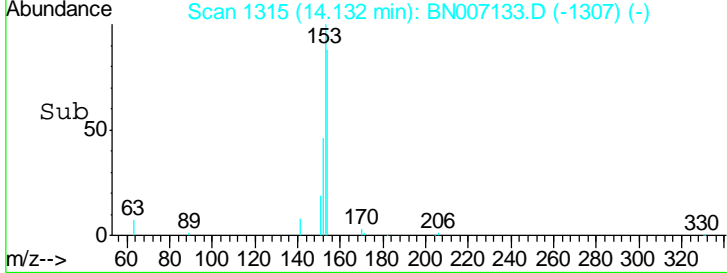
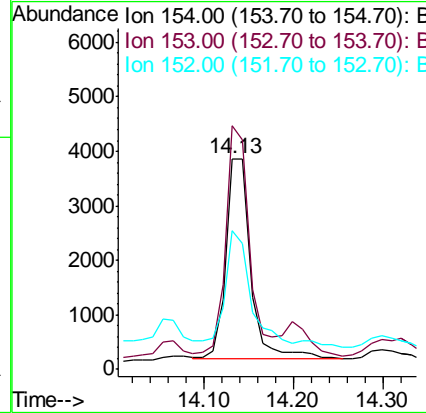
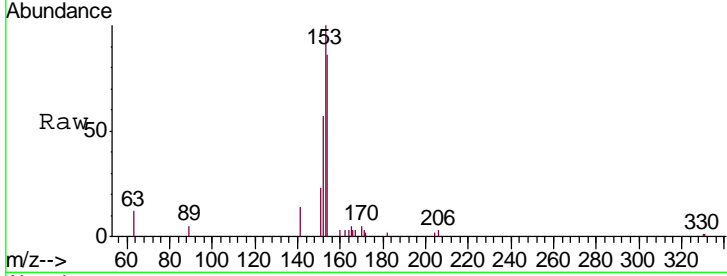




#16  
 Acenaphthene  
 Concen: 0.099 ng  
 RT: 14.13 min Scan# 1315  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

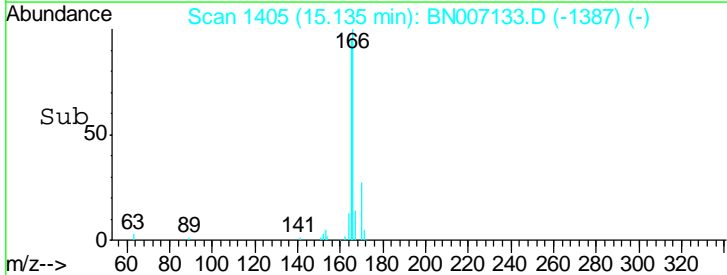
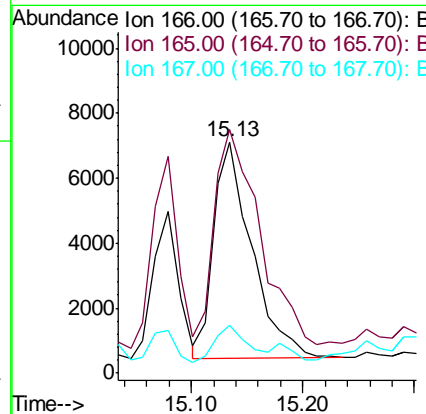
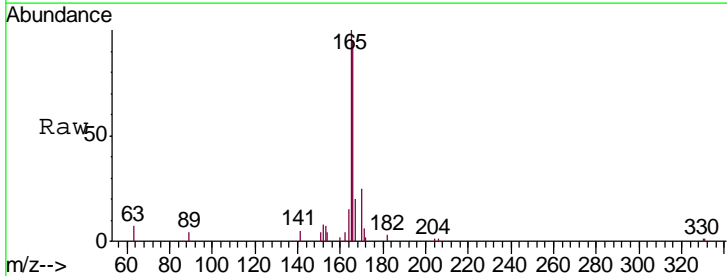
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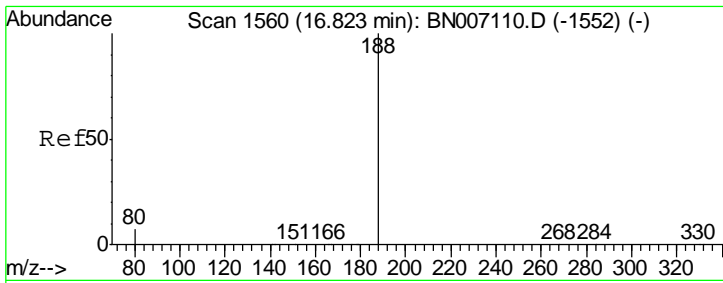
Tgt Ion	Resp	Lower	Upper
154	100		
153	107.1	89.5	134.3
152	64.4	44.8	67.2



#17  
 Fluorene  
 Concen: 0.147 ng  
 RT: 15.13 min Scan# 1405  
 Delta R.T. -0.00 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion	Resp	Lower	Upper
166	100		
165	118.5	77.9	116.9#
167	15.7	10.9	16.3

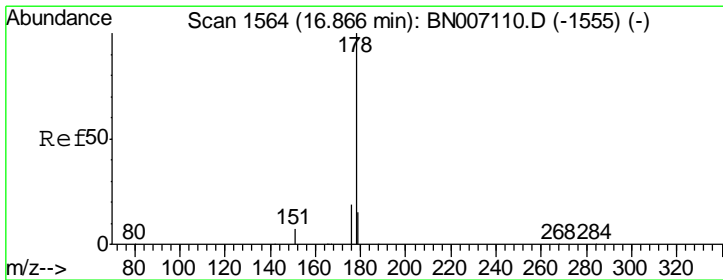
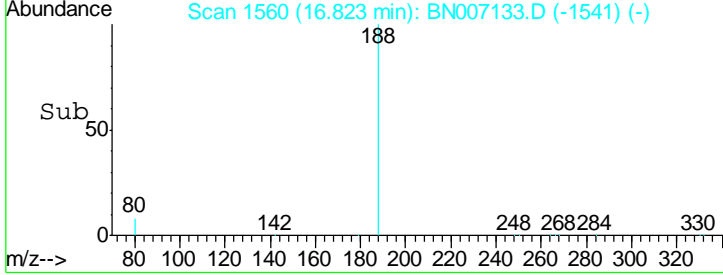
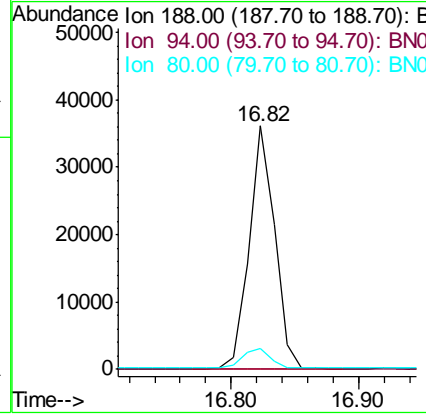
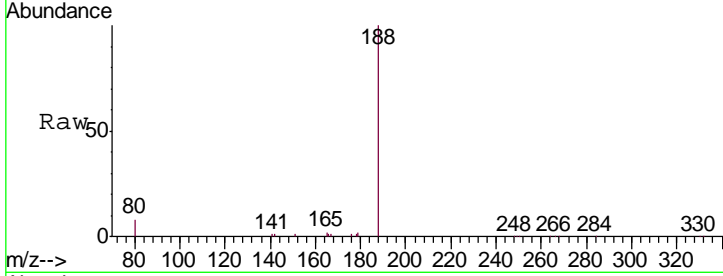




#18  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 16.82 min Scan# 1560  
 Delta R.T. -0.00 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

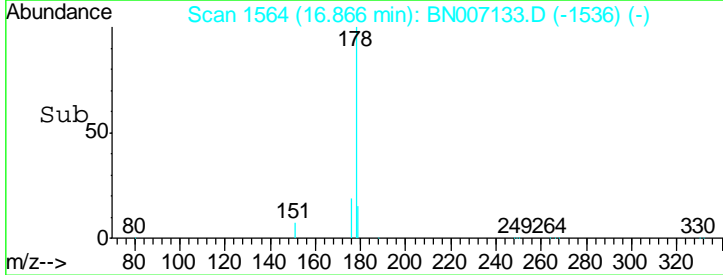
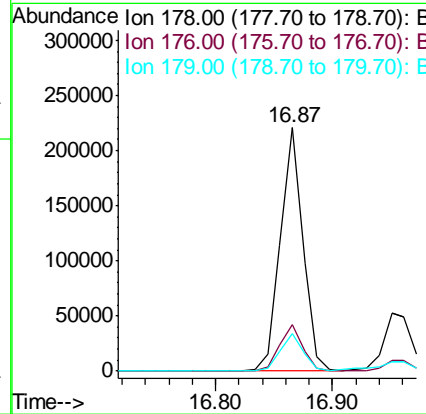
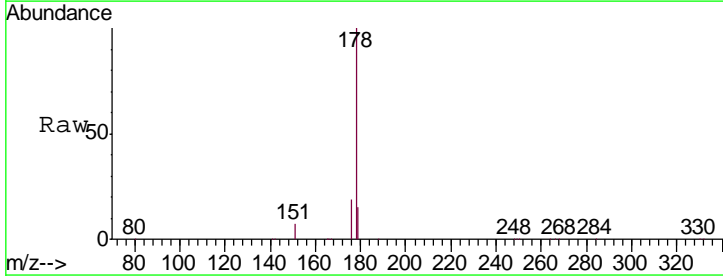
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-016-B055-073119

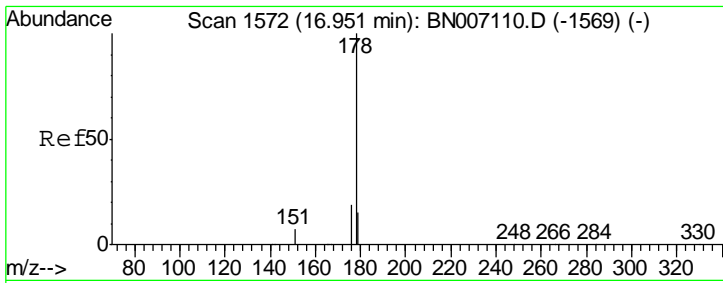
Tgt Ion	Resp	Lower	Upper
188	50109		
94	0.0	0.0	0.0
80	8.4	7.8	11.6



#22  
 Phenanthrene  
 Concen: 1.961 ng  
 RT: 16.87 min Scan# 1564  
 Delta R.T. -0.00 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion	Resp	Lower	Upper
178	294484		
176	19.0	15.2	22.8
179	15.6	12.3	18.5

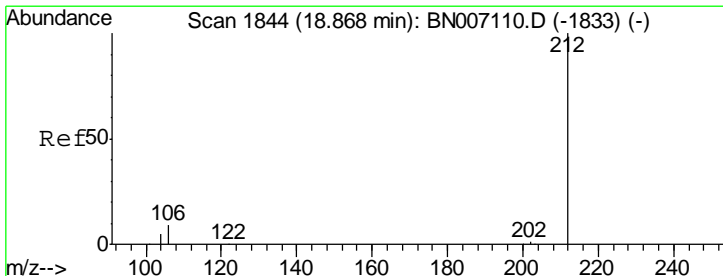
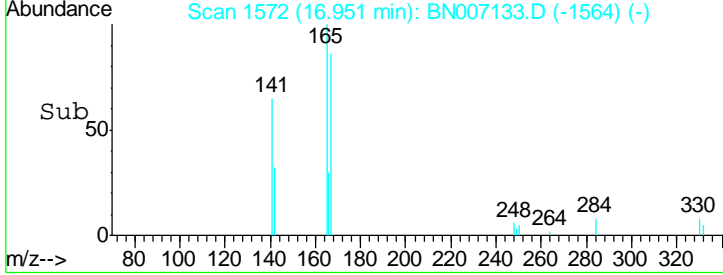
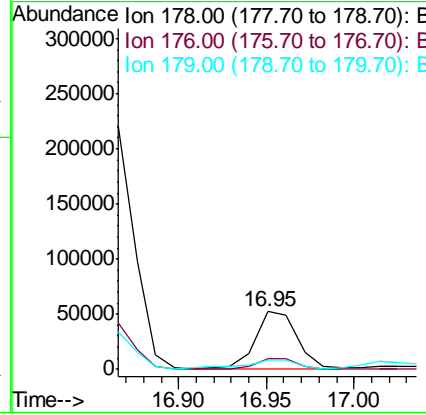
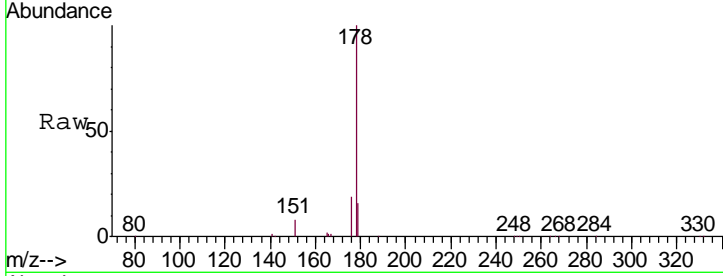




#23  
 Anthracene  
 Concen: 0.616 ng  
 RT: 16.95 min Scan# 1572  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

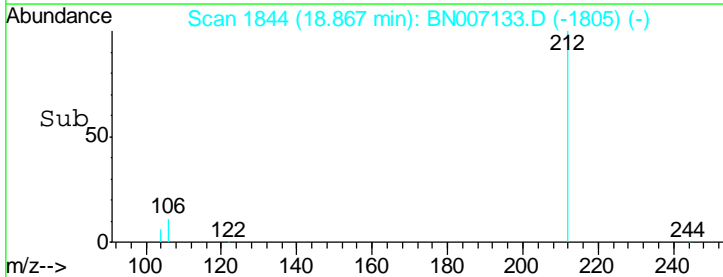
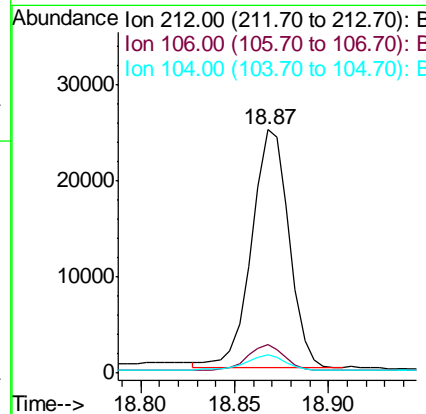
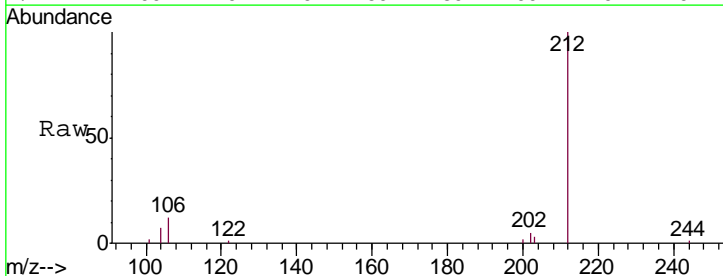
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-016-B055-073119

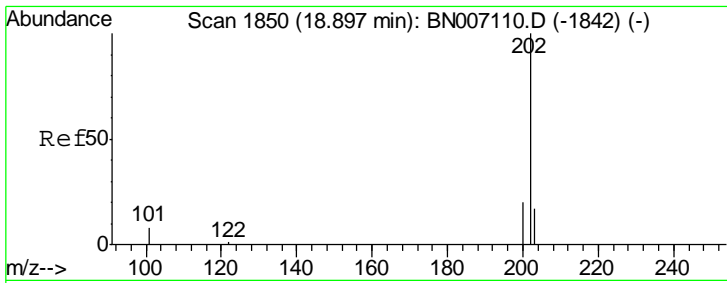
Tgt Ion	Resp	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	18.0	12.5	18.7



#24  
 Fluoranthene-d10  
 Concen: 0.191 ng  
 RT: 18.87 min Scan# 1844  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion	Resp	Lower	Upper
212	100		
106	10.5	8.2	12.2
104	6.8	4.5	6.7#

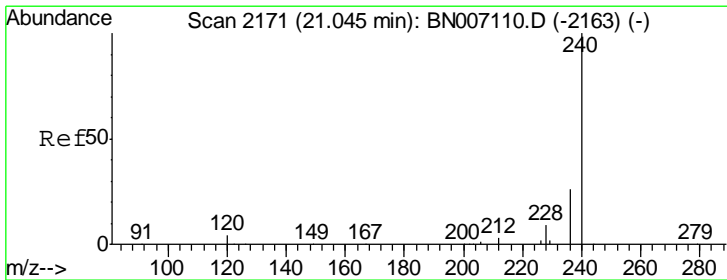
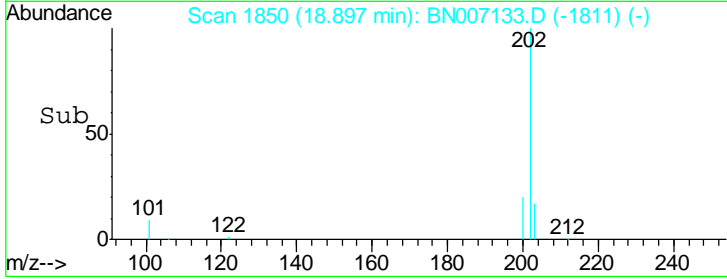
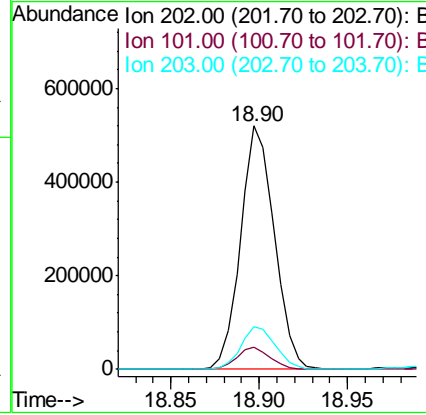
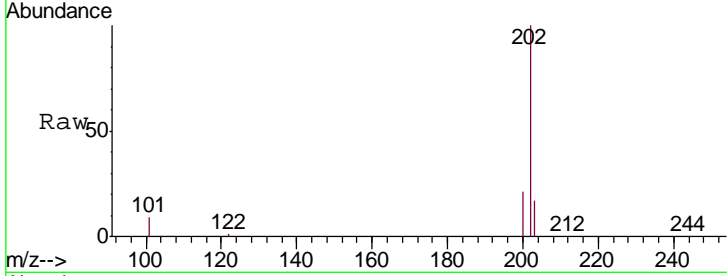




#25  
 Fluoranthene  
 Concen: 3.575 ng  
 RT: 18.90 min Scan# 1850  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

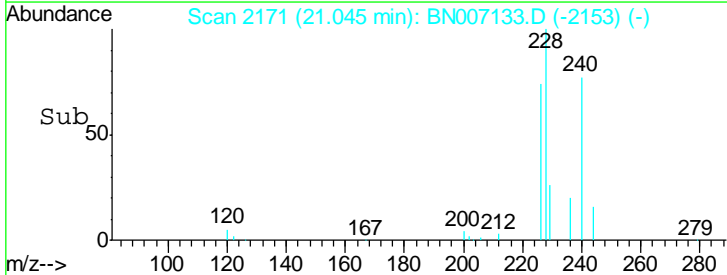
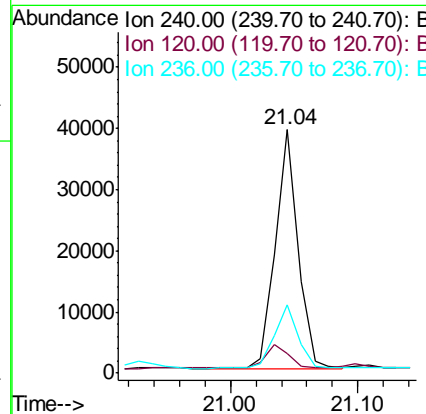
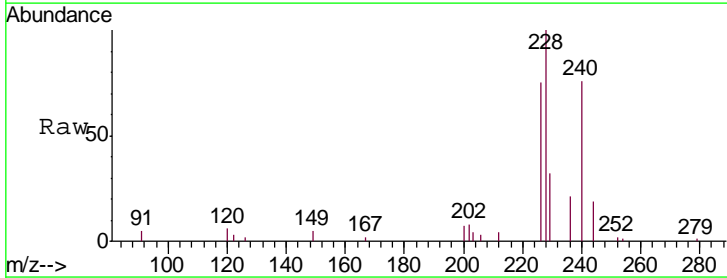
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-016-B055-073119

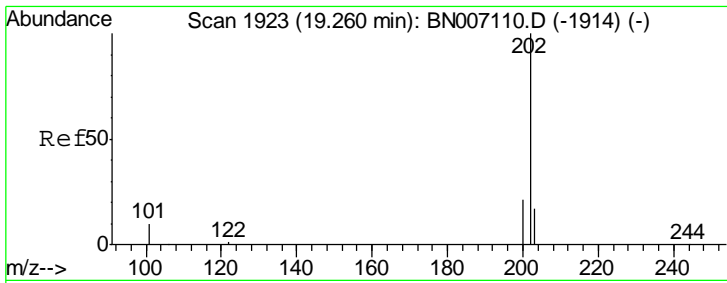
Tgt Ion	Resp	Lower	Upper
202	686694		
101	8.9	7.0	10.4
203	17.7	13.8	20.8



#26  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.04 min Scan# 2171  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion	Resp	Lower	Upper
240	48320		
120	8.0	4.0	6.0#
236	28.0	21.3	31.9

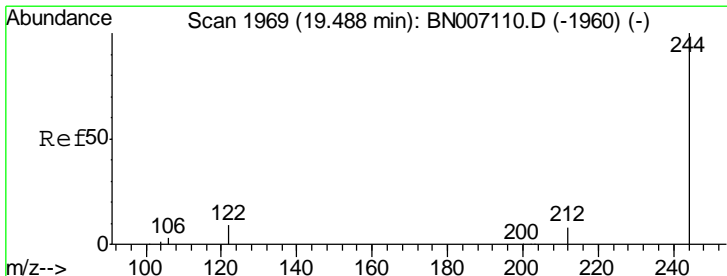
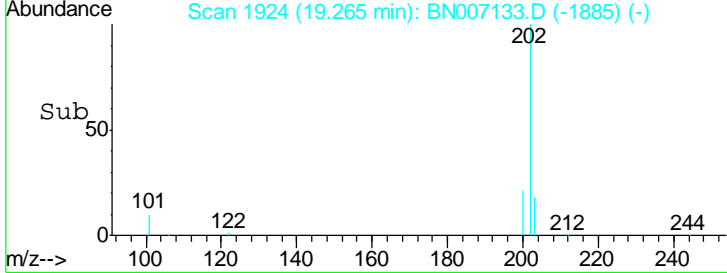
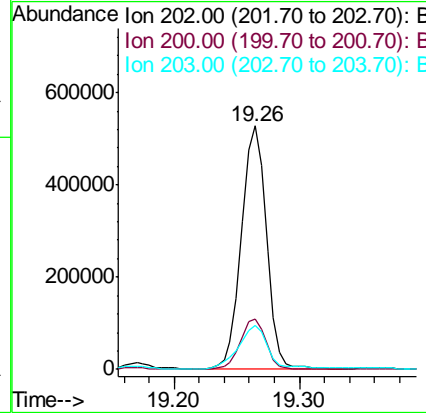
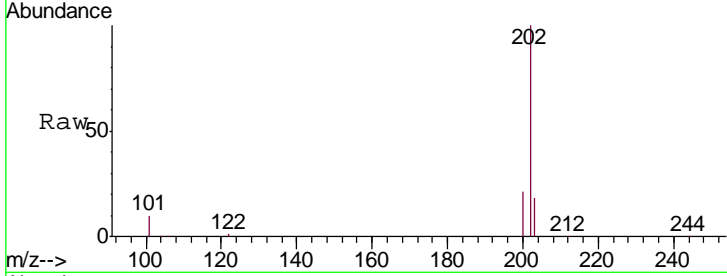




#27  
 Pyrene  
 Concen: 4.276 ng  
 RT: 19.26 min Scan# 1924  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

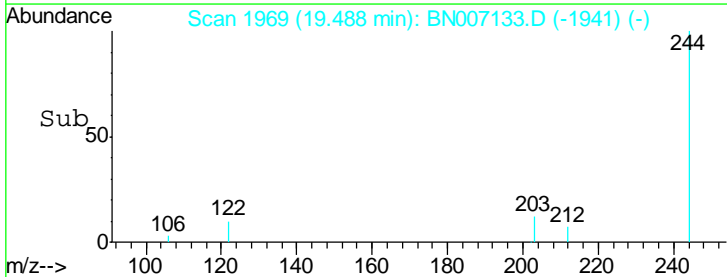
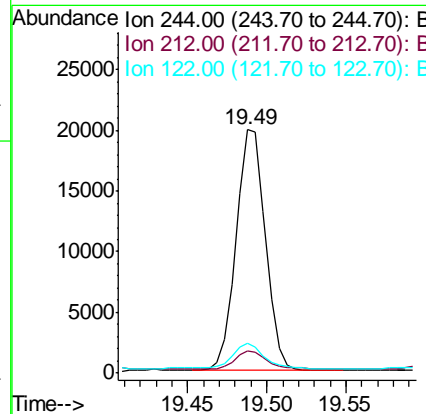
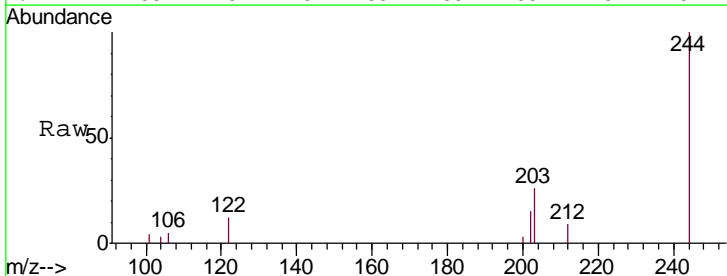
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-016-B055-073119

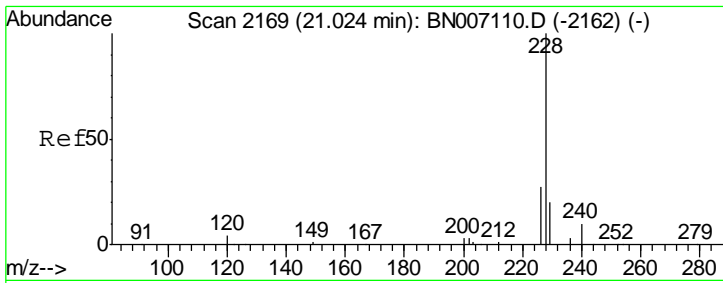
Tgt Ion	Resp	Lower	Upper
202	724653		
200	20.9	16.6	24.8
203	20.3	14.0	21.0



#28  
 Terphenyl-d14  
 Concen: 0.195 ng  
 RT: 19.49 min Scan# 1969  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion	Resp	Lower	Upper
244	25644		
212	9.3	6.2	9.2#
122	12.4	7.4	11.2#

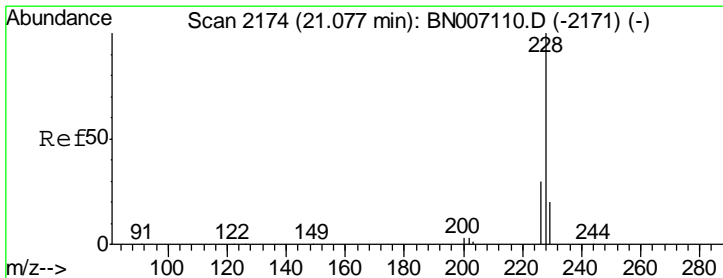
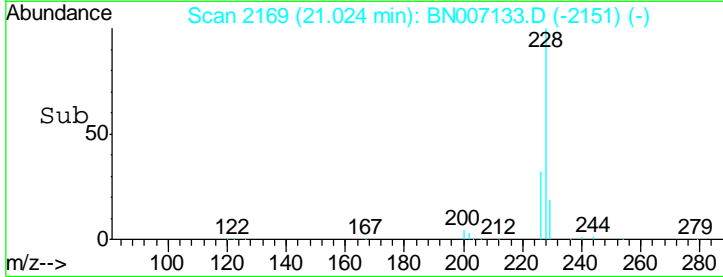
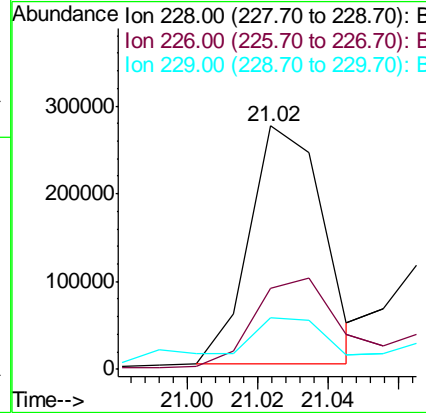
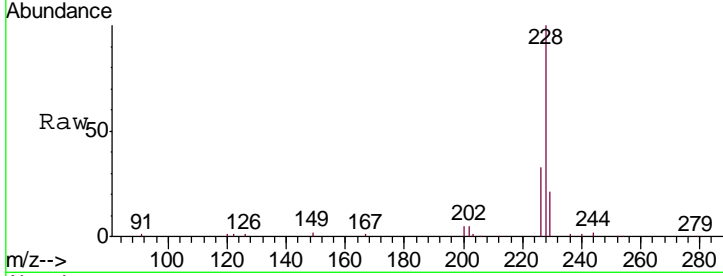




#29  
 Benzo(a)anthracene  
 Concen: 2.212 ng m  
 RT: 21.02 min Scan# 2169  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

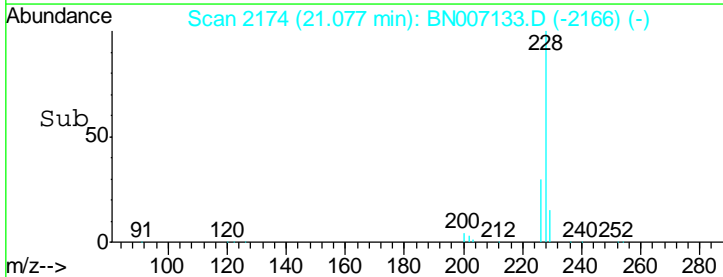
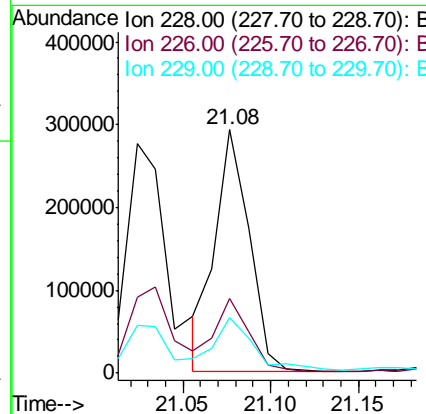
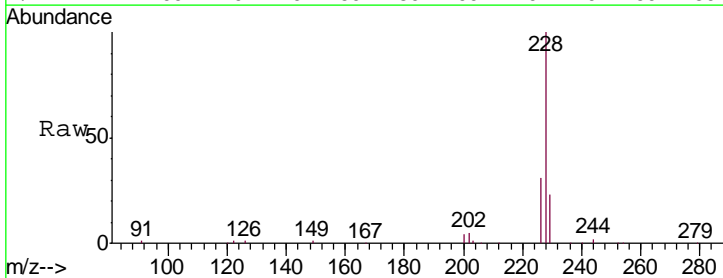
Instrument :  
 BNA\_N  
 ClientSampled :  
 PST-016-B055-073119

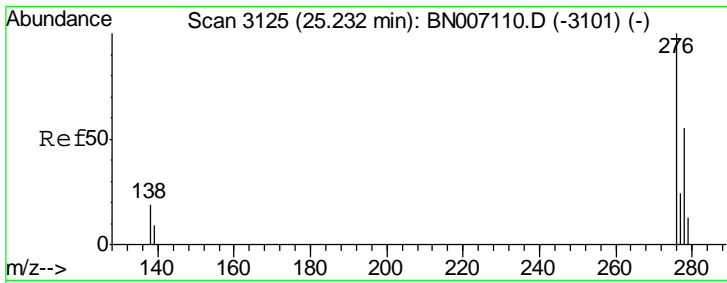
Tgt Ion	Resp	Lower	Upper
228	390955		
226	33.1	21.8	32.6#
229	21.0	15.6	23.4



#30  
 Chrysene  
 Concen: 2.280 ng  
 RT: 21.08 min Scan# 2174  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion	Resp	Lower	Upper
228	391407		
226	30.7	23.8	35.6
229	22.7	15.7	23.5

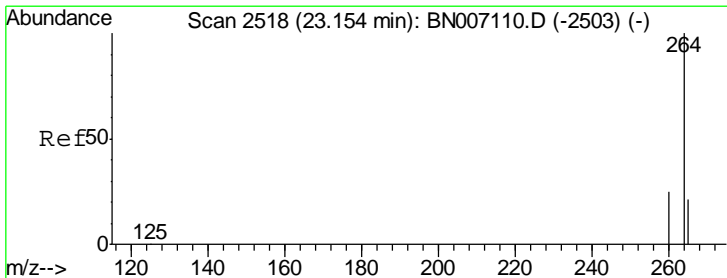
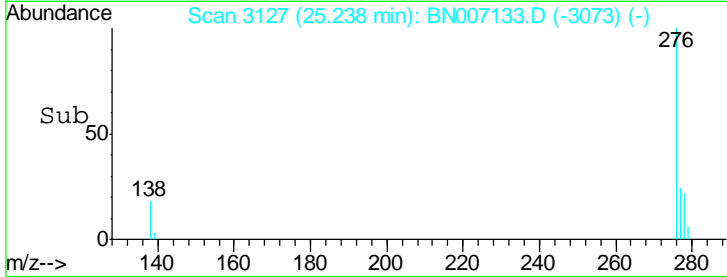
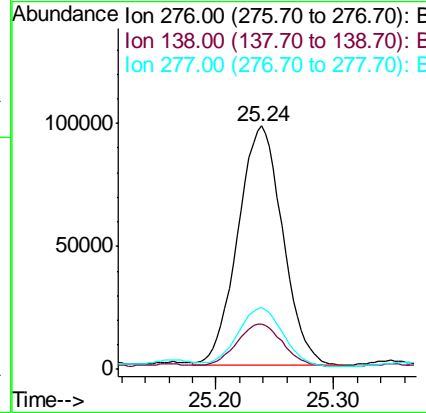
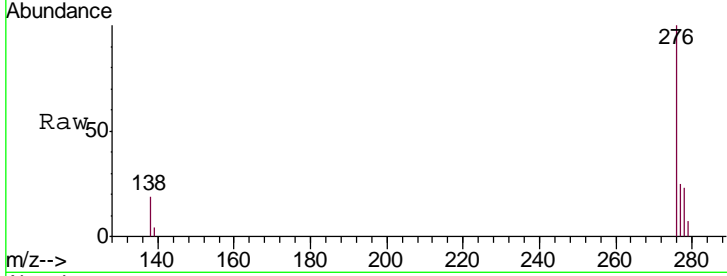




#31  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.356 ng  
 RT: 25.24 min Scan# 3127  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

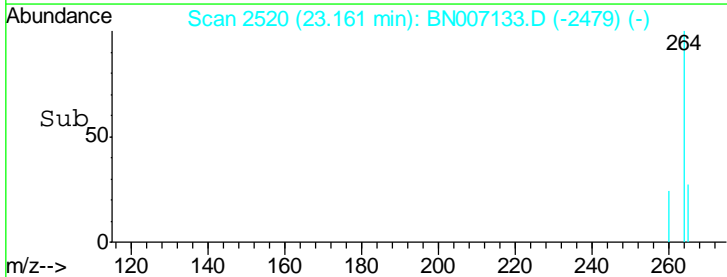
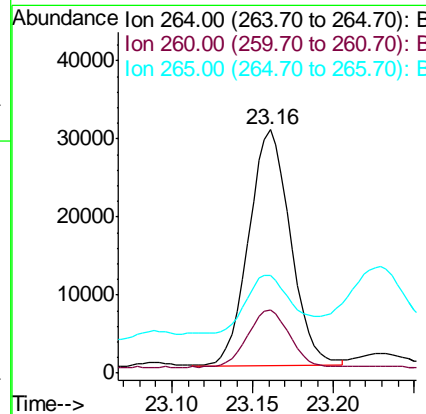
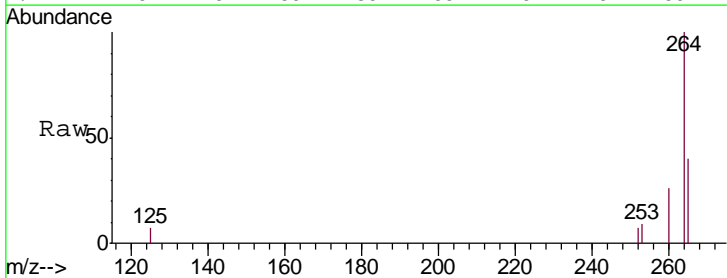
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-016-B055-073119

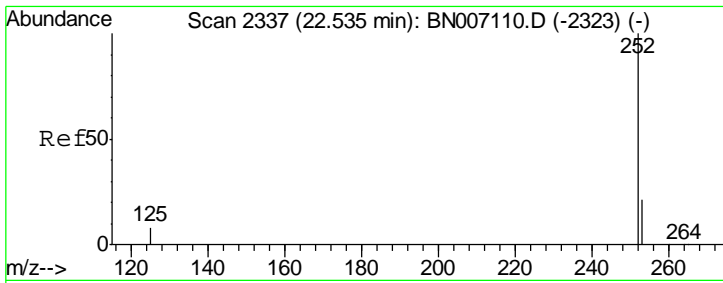
Tgt Ion	Resp	Lower	Upper
276	256684		
138	18.4	16.0	24.0
277	24.9	19.9	29.9



#32  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.16 min Scan# 2520  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion	Resp	Lower	Upper
264	54406		
260	26.1	19.8	29.8
265	40.3	26.2	39.4#



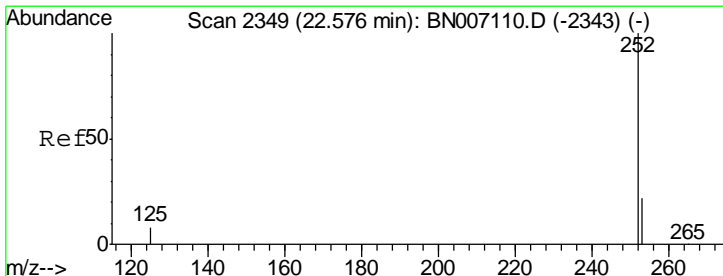
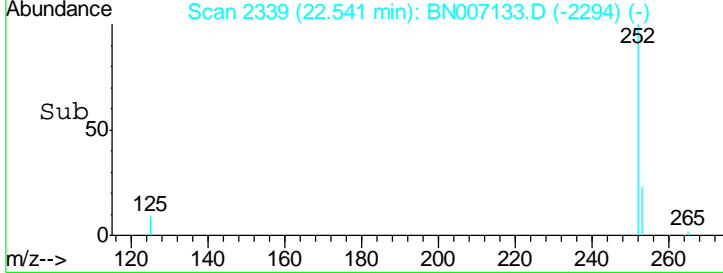
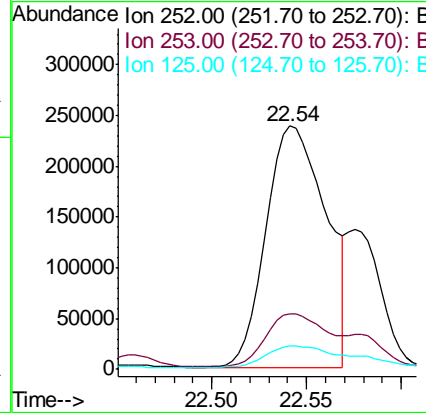
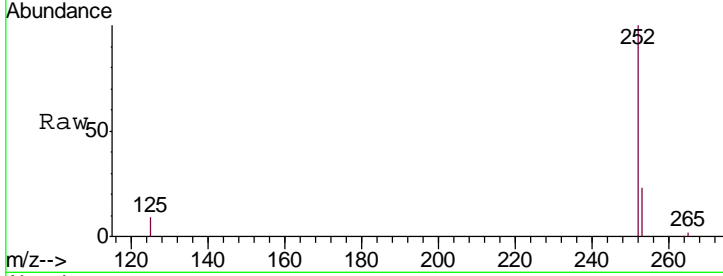


#33  
 Benzo(b)fluoranthene  
 Concen: 2.809 ng  
 RT: 22.54 min Scan# 2339  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-016-B055-073119

Tgt Ion: 252 Resp: 524012

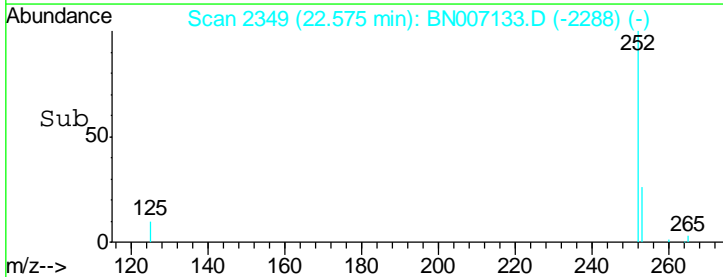
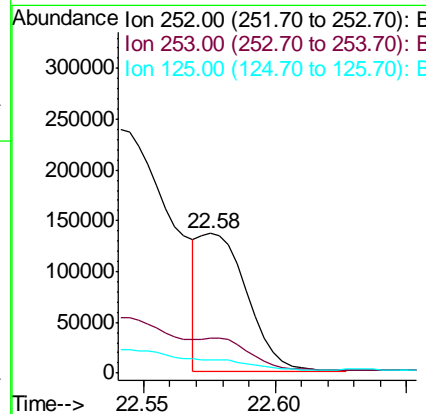
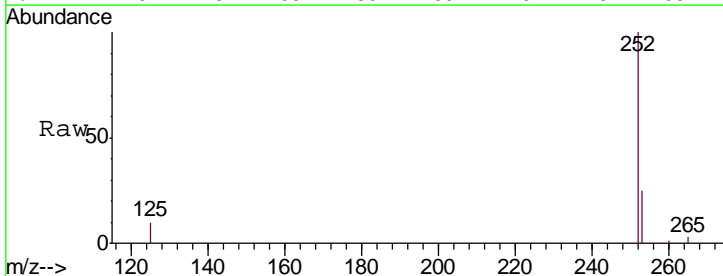
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	9.4	7.4	11.0



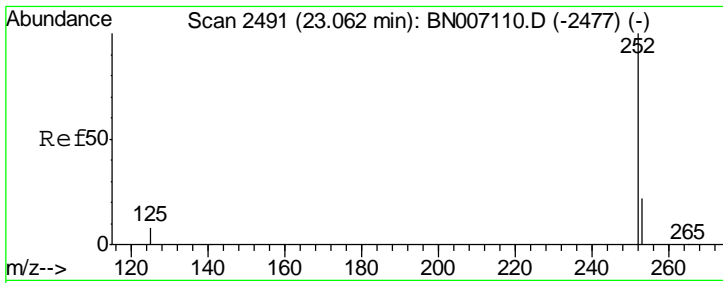
#34  
 Benzo(k)fluoranthene  
 Concen: 0.941 ng m  
 RT: 22.58 min Scan# 2349  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion: 252 Resp: 173408

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.1	27.1
125	9.8	7.4	11.0



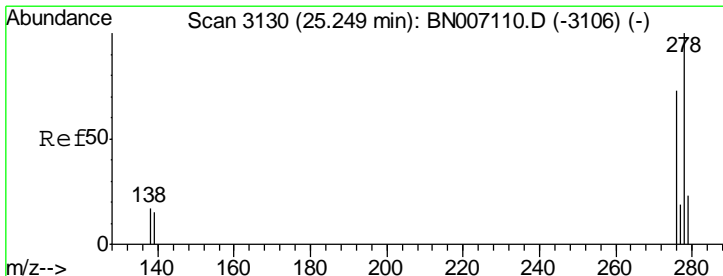
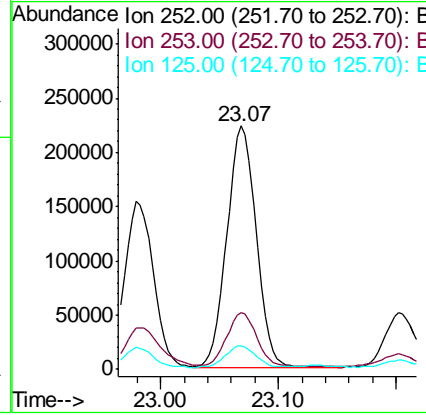
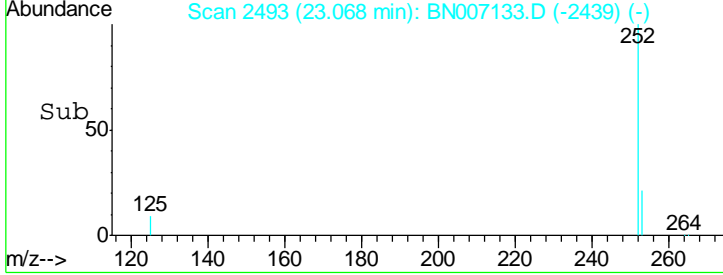
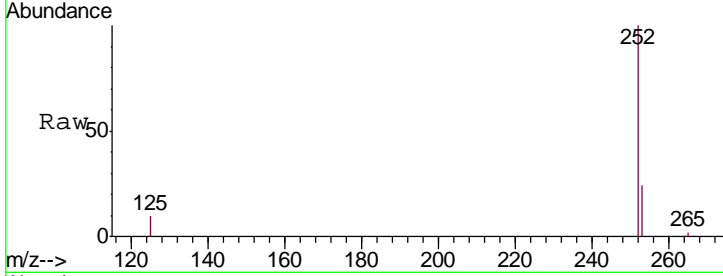




#35  
 Benzo(a)pyrene  
 Concen: 2.259 ng  
 RT: 23.07 min Scan# 2493  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

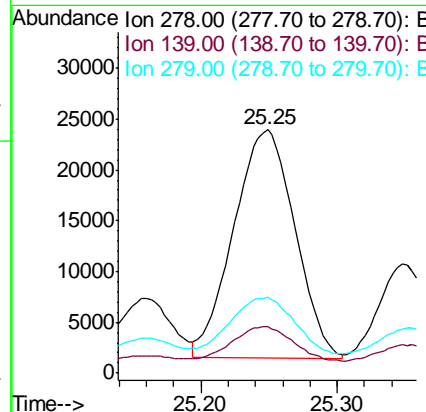
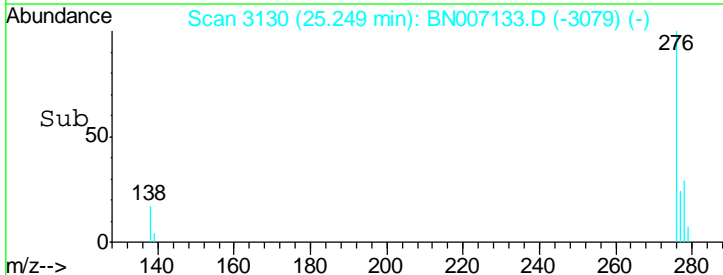
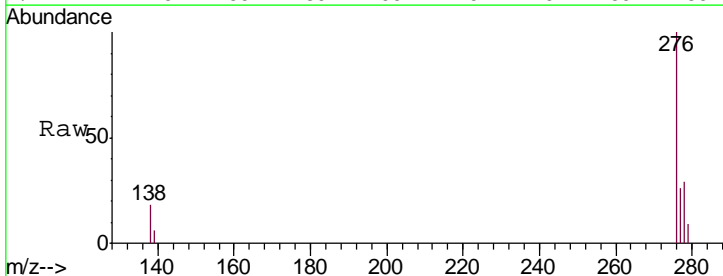
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-016-B055-073119

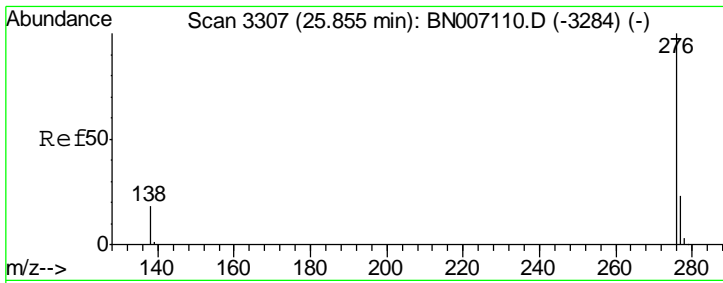
Tgt Ion	Resp	Lower	Upper
252	382106		
253	23.6	18.5	27.7
125	9.7	8.2	12.4



#36  
 Dibenzo(a,h)anthracene  
 Concen: 0.417 ng  
 RT: 25.25 min Scan# 3130  
 Delta R.T. -0.02 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Tgt Ion	Resp	Lower	Upper
278	70356		
139	19.0	11.3	16.9#
279	30.9	19.3	28.9#





#37  
 Benzo(g,h,i)perylene  
 Concen: 1.441 ng  
 RT: 25.87 min Scan# 3311  
 Delta R.T. -0.01 min  
 Lab File: BN007133.D  
 Acq: 13 Aug 2019 15:55

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-016-B055-073119

Tgt Ion	Resp	Lower	Upper
276	250055		
277	24.7	19.8	29.8
138	18.9	14.6	22.0

