

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
 Data File : BF118011.D
 Acq On : 26 Nov 2019 17:04
 Operator : JU
 Sample : K5672-01DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 00:45:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	118673	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	440638	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	200039	20.00	ng	0.00
64) Phenanthrene-d10	11.44	188	315211	20.00	ng	0.00
76) Chrysene-d12	14.10	240	278232	20.00	ng	0.01
87) Perylene-d12	15.61	264	259368	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	81494	12.16	ng	0.00
7) Phenol-d6	6.51	99	85213	10.54	ng	-0.01
23) Nitrobenzene-d5	7.45	82	47548	6.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.74	330	17079	8.06	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	96369	8.64	ng	0.00
79) Terphenyl-d14	13.03	244	85026	5.59	ng	0.00

Target Compounds

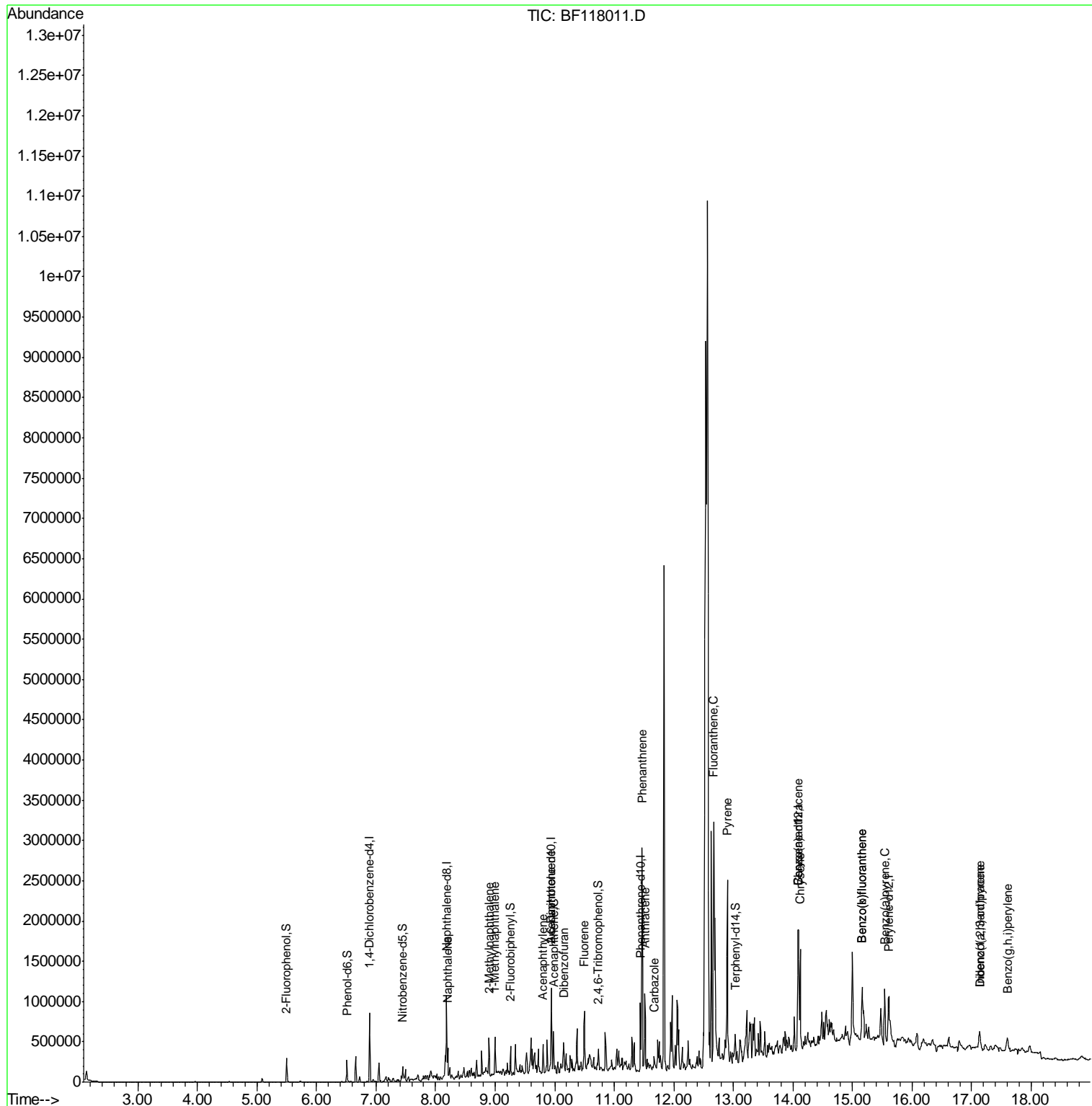
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	1740	Below Cal		86
31) Naphthalene	8.20	128	130805	6.368	ng	97
37) 2-Methylnaphthalene	8.90	142	111853	8.059	ng	97
38) 1-Methylnaphthalene	9.00	142	105108	8.010	ng	100
49) Acenaphthylene	9.80	152	97792	5.494	ng	# 97
51) 2,6-Dinitrotoluene	9.95	165	31078	10.137	ng	# 25
52) Acenaphthene	9.98	154	89370	7.838	ng	100
55) Dibenzofuran	10.15	168	80189	5.078	ng	# 94
58) Fluorene	10.50	166	188600	15.413	ng	98
71) Phenanthrene	11.47	178	951490	60.039	ng	98
72) Anthracene	11.52	178	332887	21.186	ng	97
73) Carbazole	11.67	167	47847	3.485	ng	95
75) Fluoranthene	12.67	202	807976	58.193	ng	99
78) Pyrene	12.90	202	917629	40.810	ng	99
81) Benzo(a)anthracene	14.09	228	507832	27.621	ng	93
83) Chrysene	14.12	228	428784	24.067	ng	97
86) Indeno(1,2,3-cd)pyrene	17.13	276	140161	9.244	ng	96
88) Benzo(b)fluoranthene	15.16	252	515978	30.620	ng	99
89) Benzo(k)fluoranthene	15.16	252	515978	32.497	ng	97
90) Benzo(a)pyrene	15.54	252	314429	21.219	ng	98
91) Dibenzo(a,h)anthracene	17.14	278	43692	3.426	ng	# 84
92) Benzo(g,h,i)perylene	17.60	276	137715	10.841	ng	96

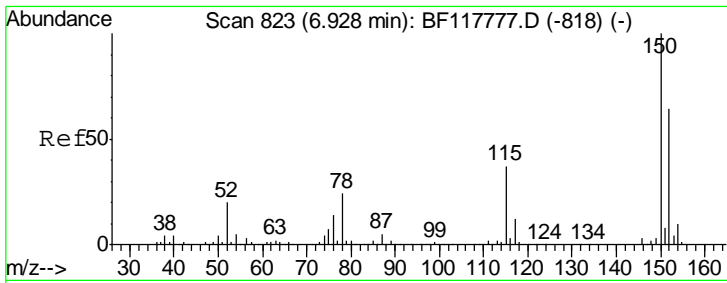
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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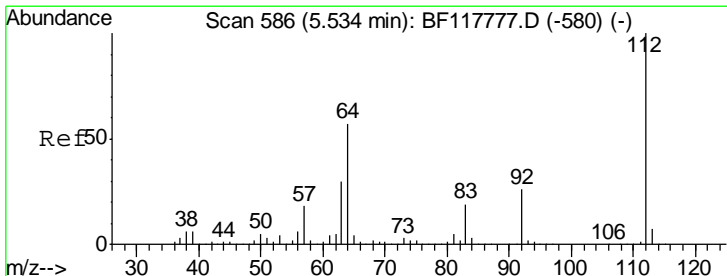
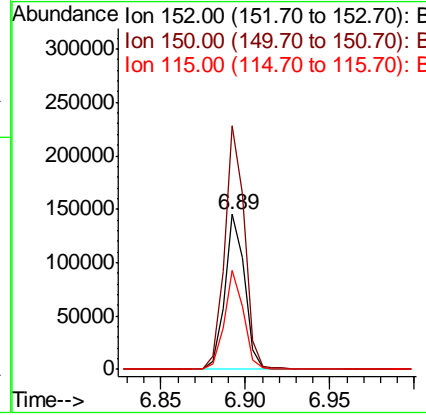
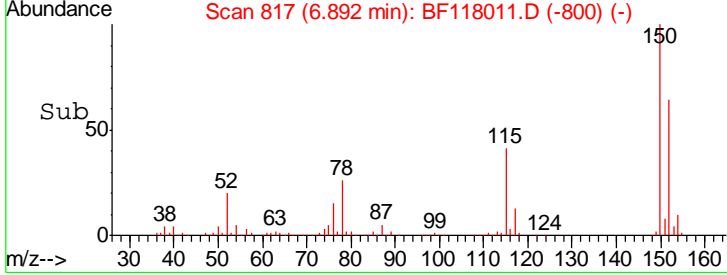
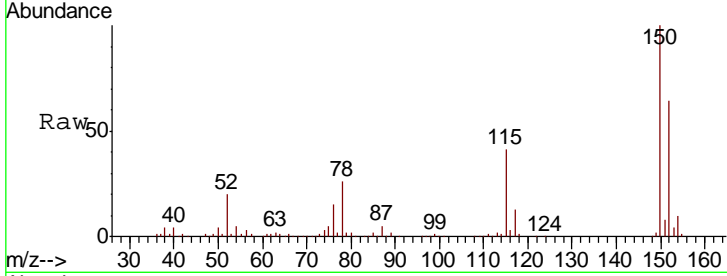




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

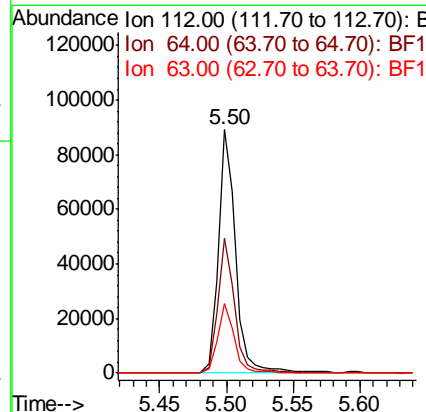
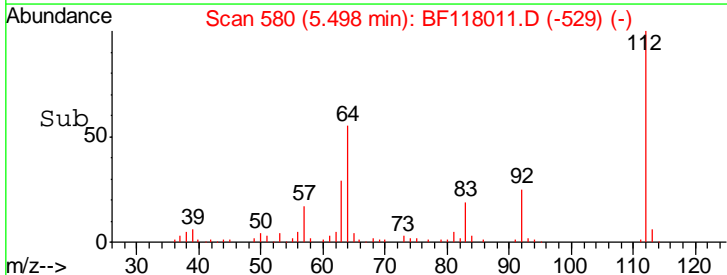
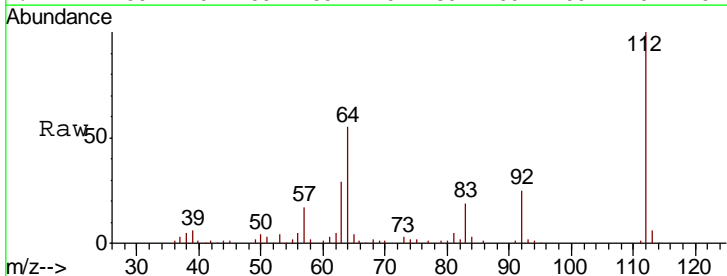
Instrument :
 BNA_F
 ClientSampled :

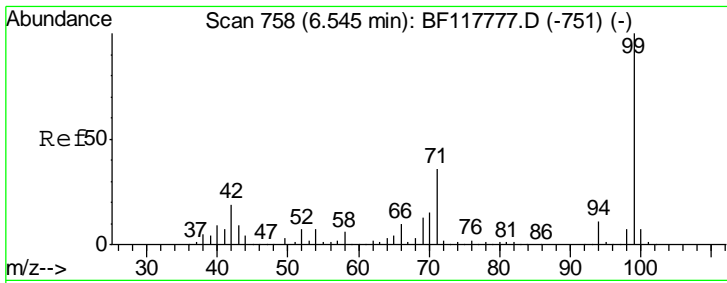
Tgt Ion	Resp	Lower	Upper
152	118673		
150	157.2	125.3	187.9
115	63.9	47.0	70.4



#5
 2-Fluorophenol
 Concen: 12.156 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
112	81494		
64	55.3	45.6	68.4
63	28.6	24.1	36.1

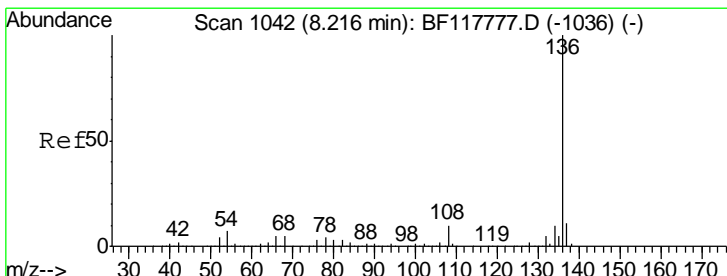
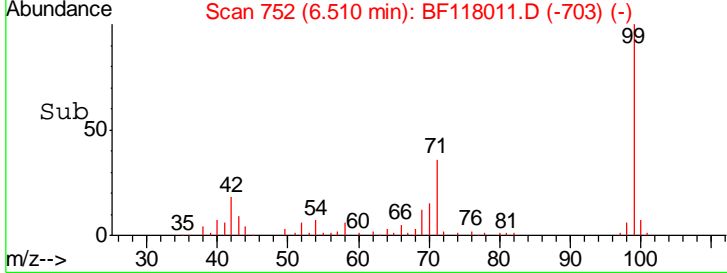
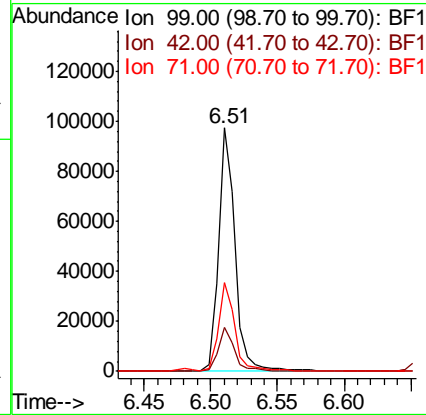
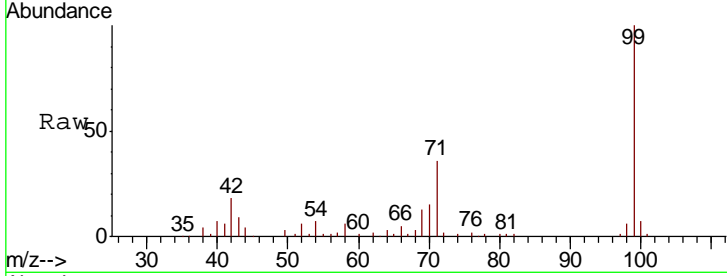




#7
 Phenol-d6
 Concen: 10.538 ng
 RT: 6.51 min Scan# 752
 Delta R.T. -0.01 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

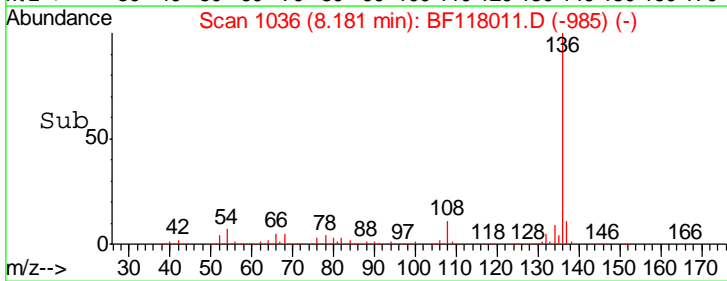
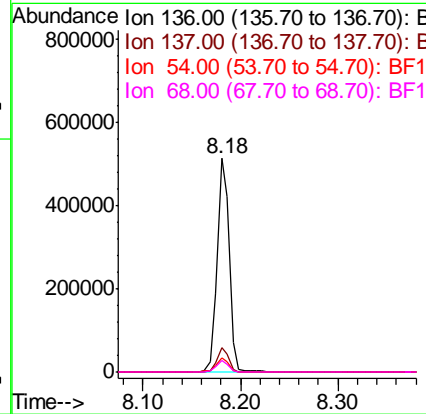
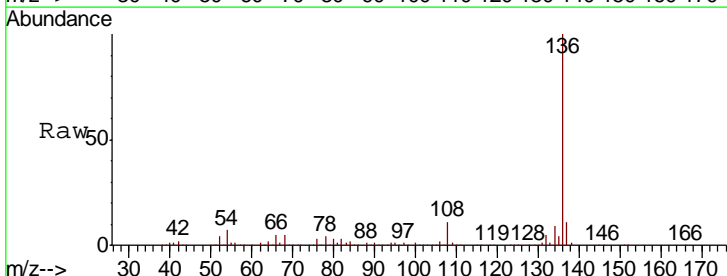
Instrument :
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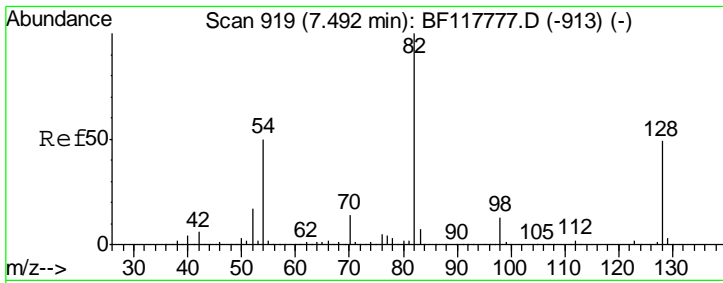
Tgt Ion	Resp	Lower	Upper
99	85213		
42	18.1	14.9	22.3
71	36.4	28.6	43.0



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.18 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
136	440638		
137	11.5	9.0	13.4
54	6.8	5.4	8.2
68	5.2	4.3	6.5

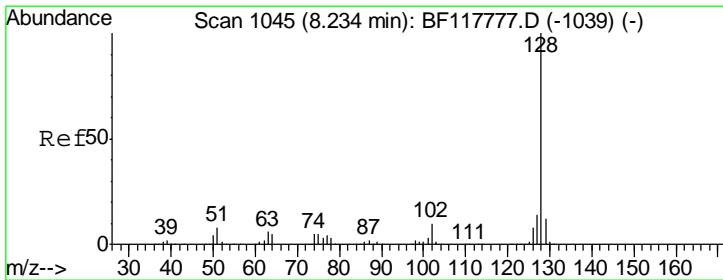
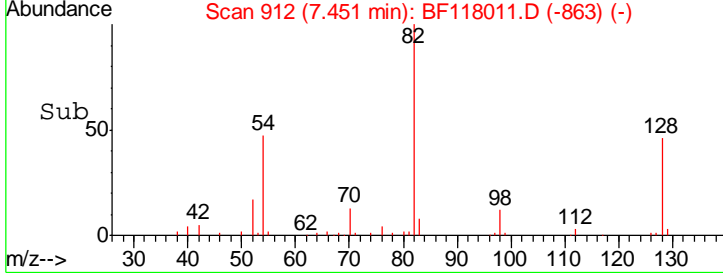
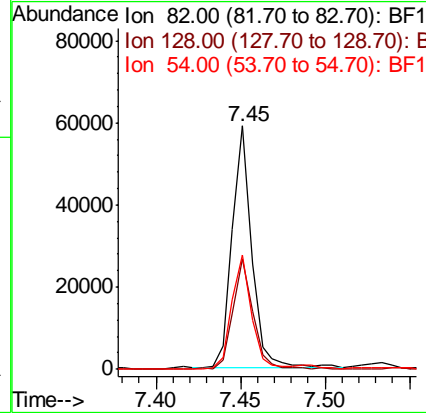
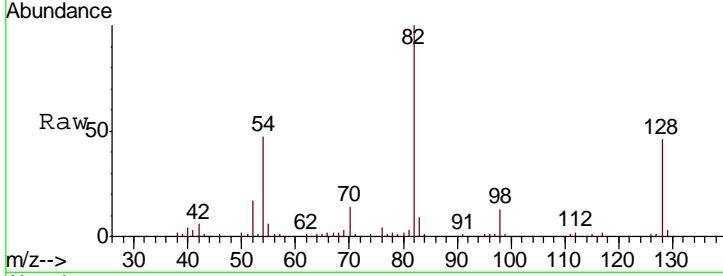




#23
 Nitrobenzene-d5
 Concen: 6.415 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

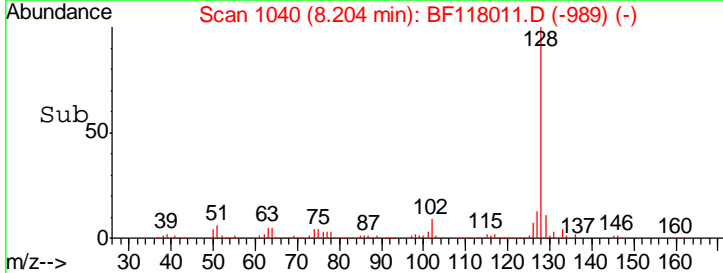
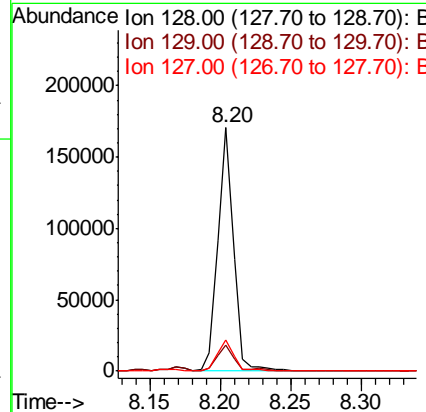
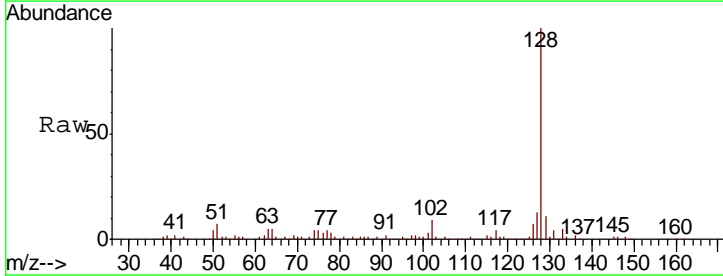
Instrument :
 BNA_F
 ClientSampled :

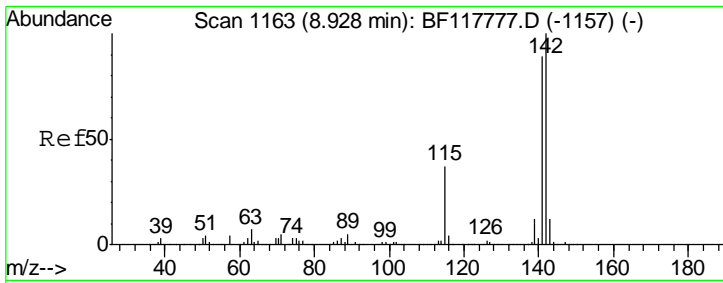
Tgt Ion	Resp	Lower	Upper
82	47548		
128	45.6	38.9	58.3
54	46.8	39.8	59.6



#31
 Naphthalene
 Concen: 6.368 ng
 RT: 8.20 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
128	130805		
129	10.6	9.5	14.3
127	12.7	11.3	16.9

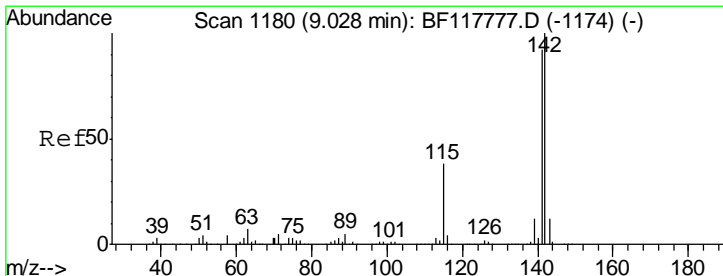
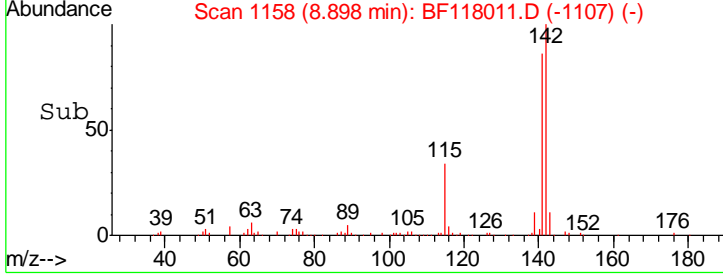
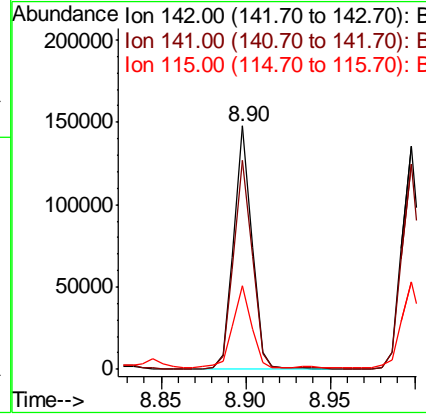
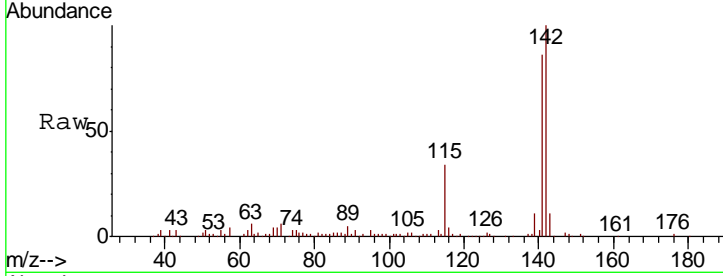




#37
 2-Methylnaphthalene
 Concen: 8.059 ng
 RT: 8.90 min Scan# 1158
 Delta R.T. -0.00 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

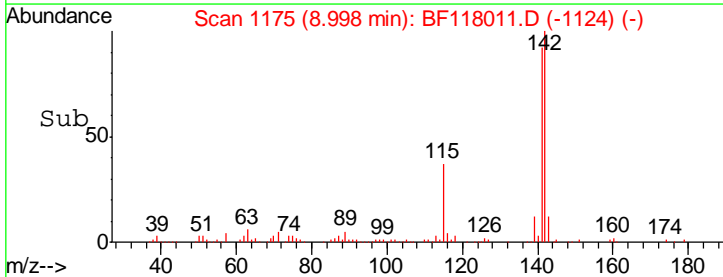
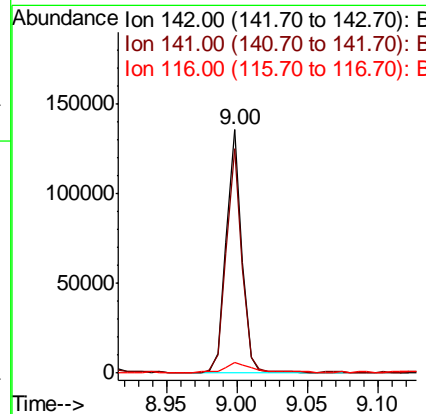
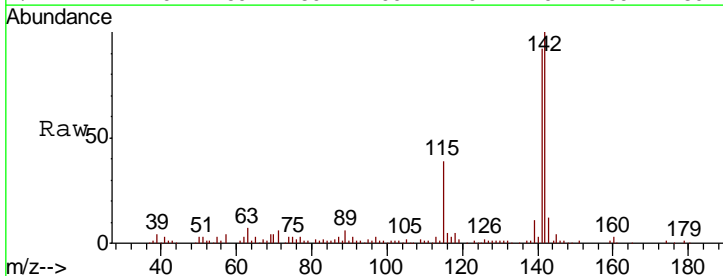
Instrument :
 BNA_F
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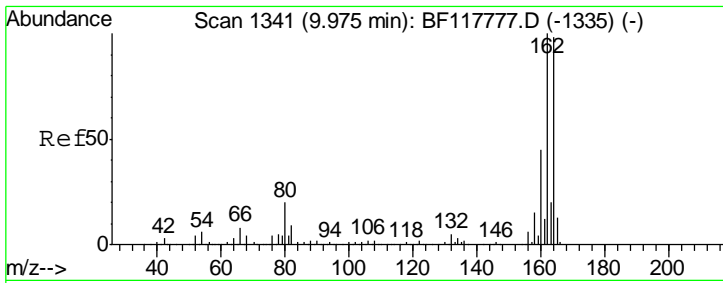
Tgt Ion	Resp	Lower	Upper
142	111853		
141	85.9	71.1	106.7
115	34.3	29.2	43.8



#38
 1-Methylnaphthalene
 Concen: 8.010 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
142	105108		
141	92.2	73.5	110.3
116	4.6	3.2	4.8

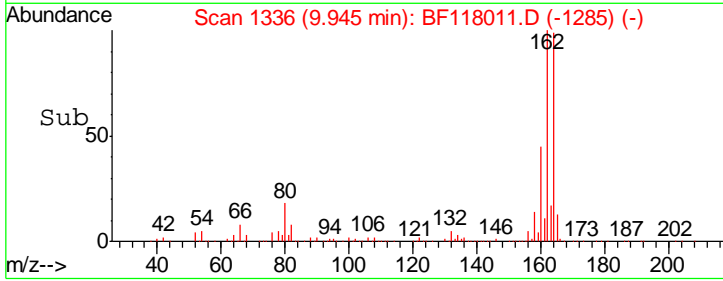
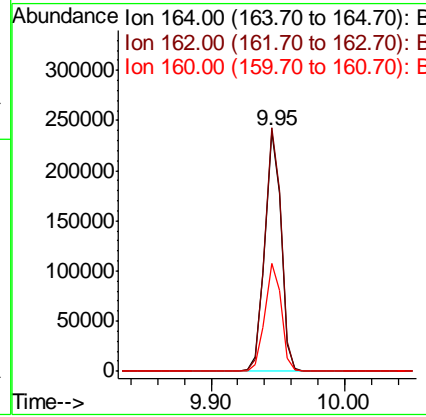
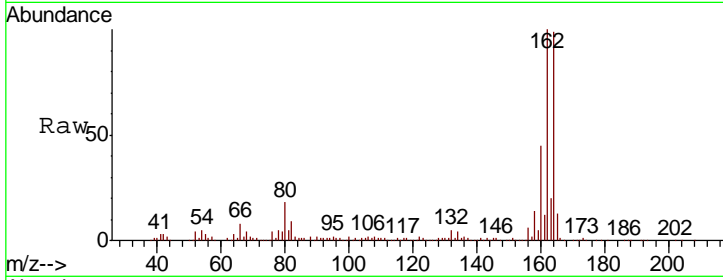




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

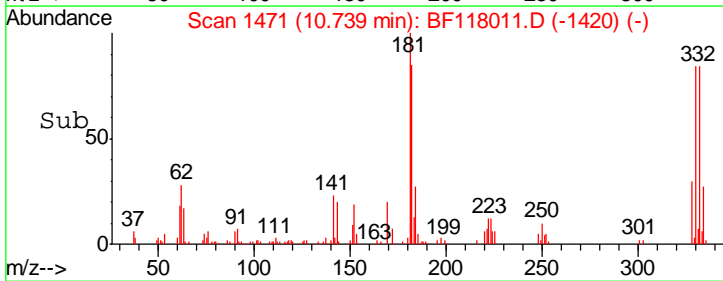
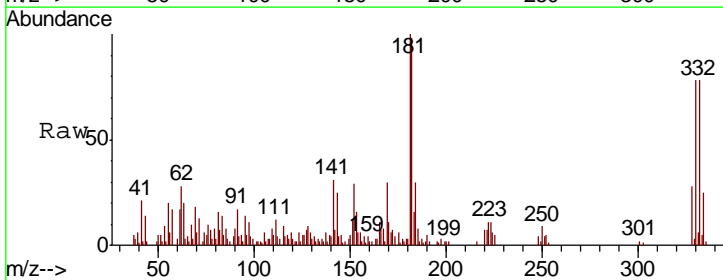
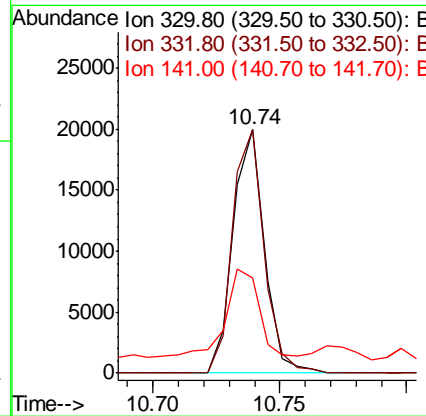
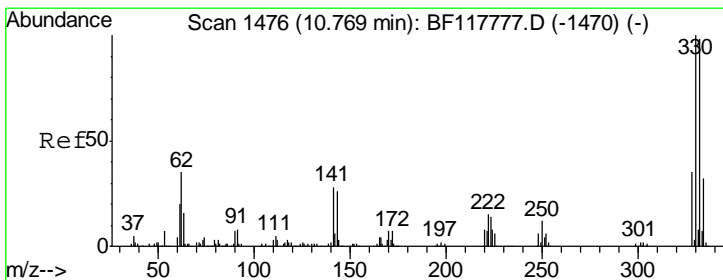
Instrument :
 BNA_F
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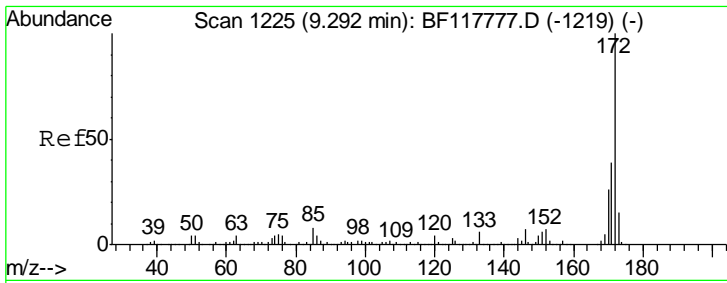
Tgt Ion	Resp	Lower	Upper
164	100		
162	101.5	81.3	121.9
160	45.2	36.6	55.0



#42
 2,4,6-Tribromophenol
 Concen: 8.065 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.00 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
330	100		
332	100.9	76.7	115.1
141	39.2	27.7	41.5

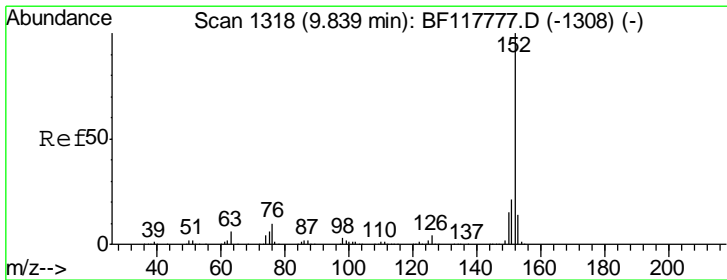
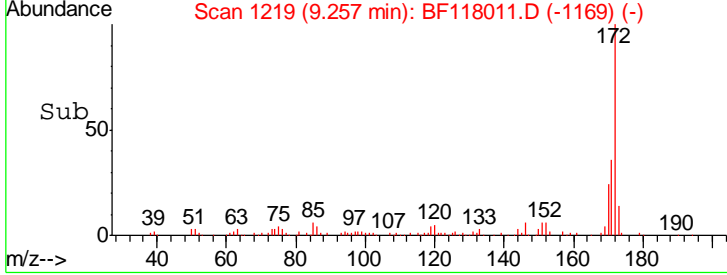
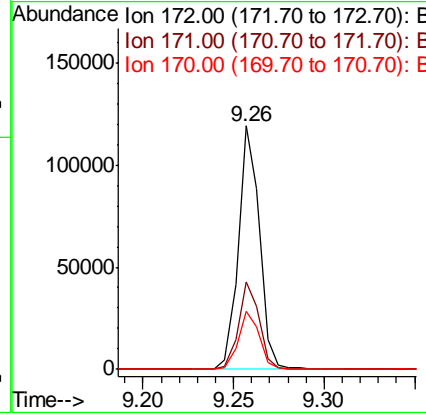
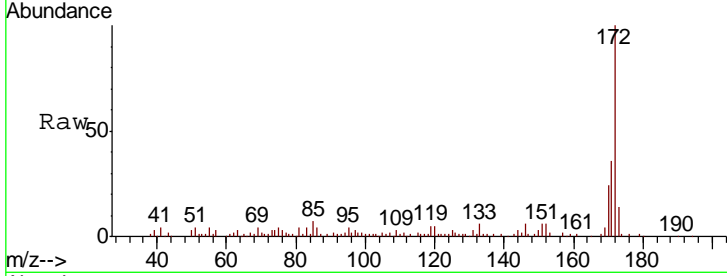




#45
 2-Fluorobiphenyl
 Concen: 8.643 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

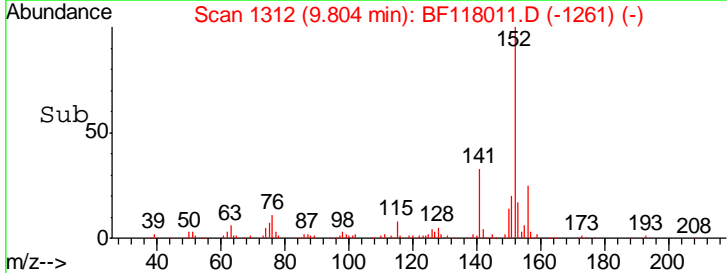
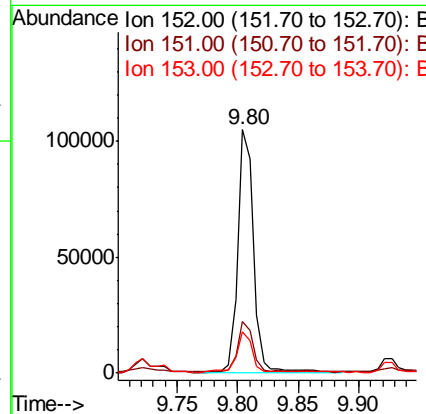
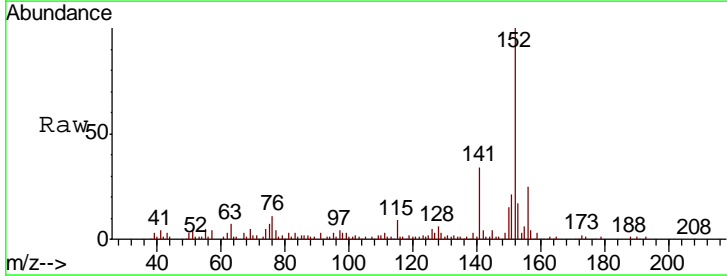
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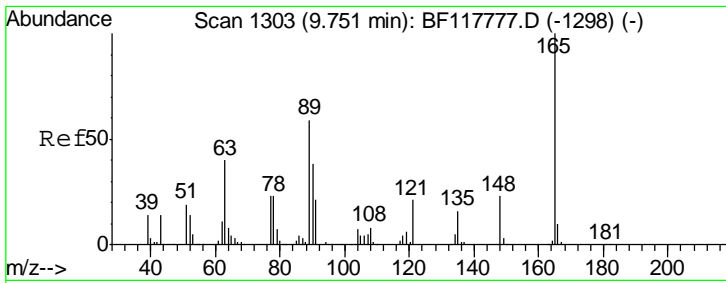
Tgt Ion	Resp	Lower	Upper
172	100		
171	35.8	30.9	46.3
170	23.7	21.0	31.4



#49
 Acenaphthylene
 Concen: 5.494 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
152	100		
151	21.3	17.0	25.6
153	17.2	11.0	16.6#

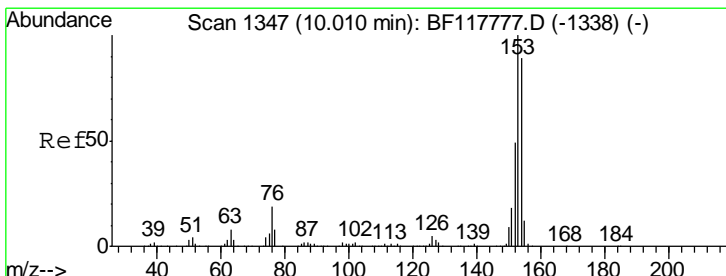
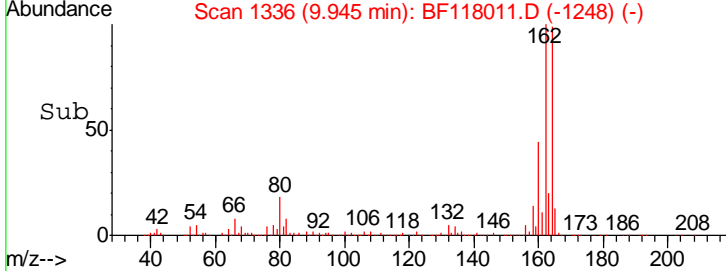
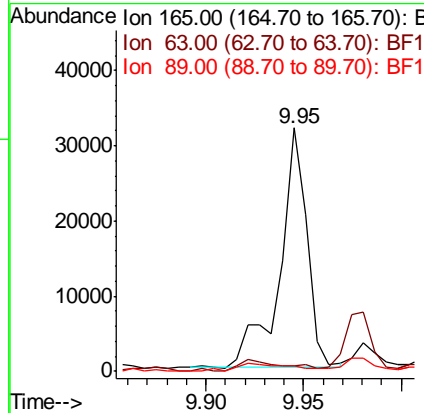
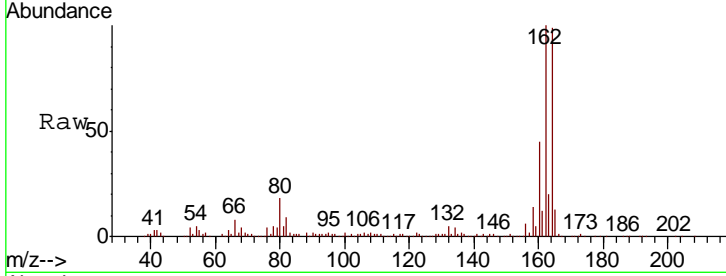




#51
 2,6-Dinitrotoluene
 Concen: 10.137 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. 0.22 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

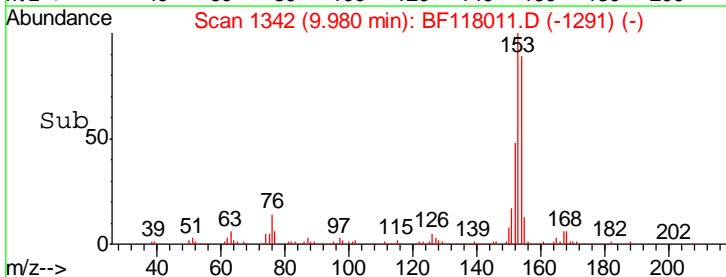
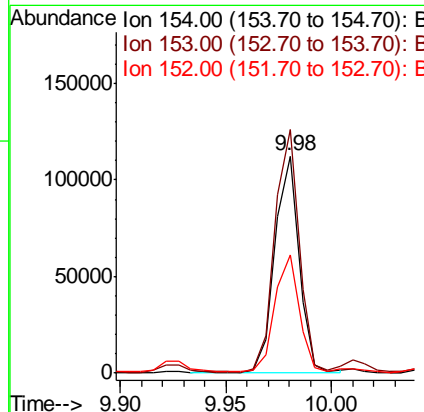
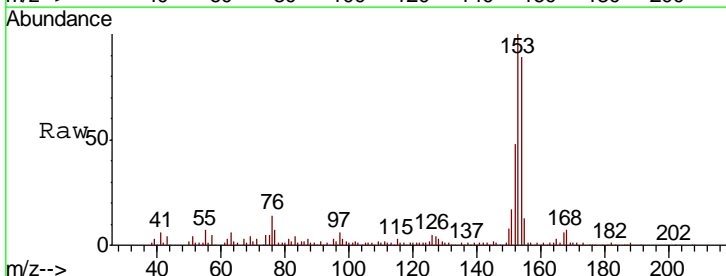
Instrument :
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 ClientSampled :

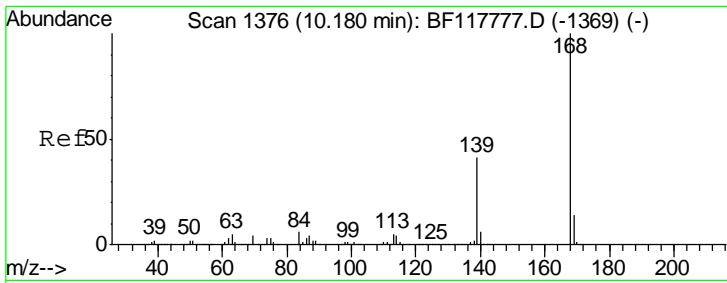
Tgt Ion	Resp	Lower	Upper
165	31078		
63	2.2	46.0	69.0#
89	2.3	47.7	71.5#



#52
 Acenaphthene
 Concen: 7.838 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.00 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
154	89370		
153	112.3	90.1	135.1
152	54.4	44.0	66.0

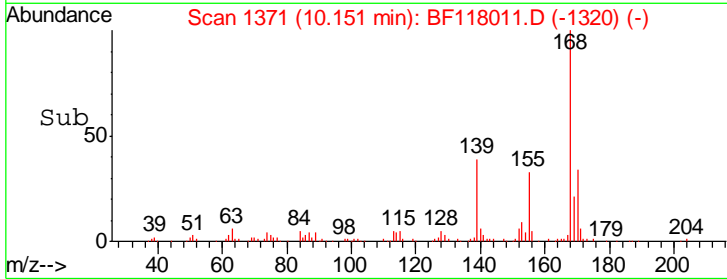
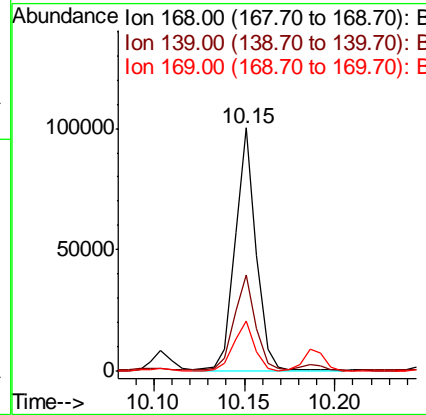
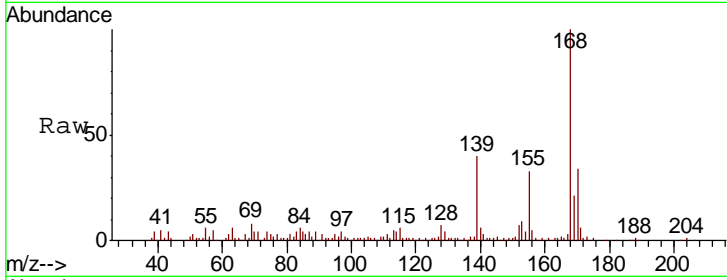




#55
 Dibenzofuran
 Concen: 5.078 ng
 RT: 10.15 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

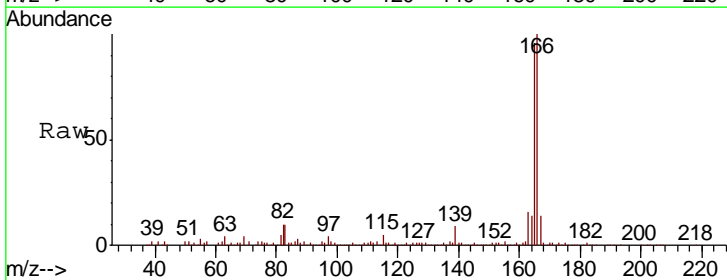
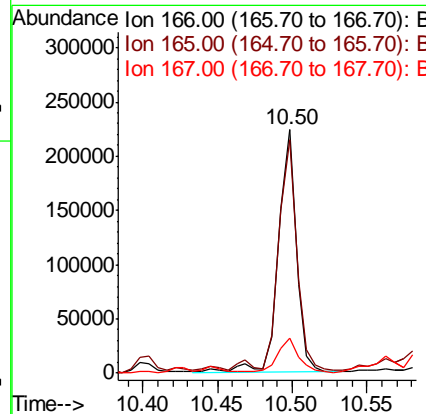
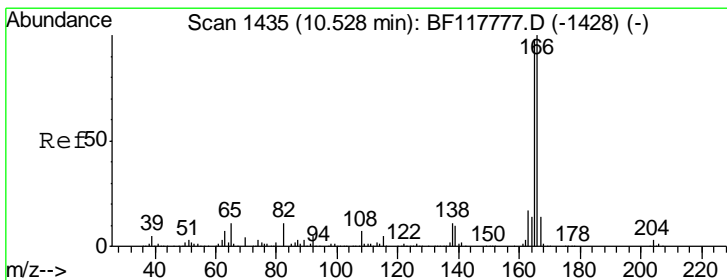
Instrument :
 BNA_F
 ClientSampled :

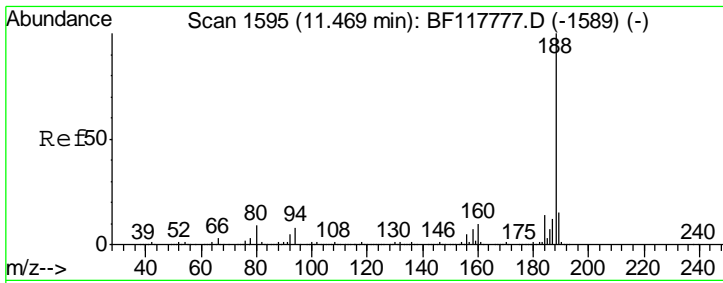
Tgt Ion	Resp	Lower	Upper
168	80189		
139	39.6	33.0	49.6
169	20.6	11.5	17.3#



#58
 Fluorene
 Concen: 15.413 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.00 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
166	188600		
165	96.1	78.4	117.6
167	14.2	11.0	16.4

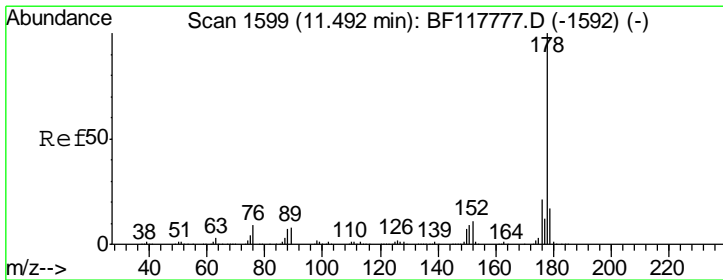
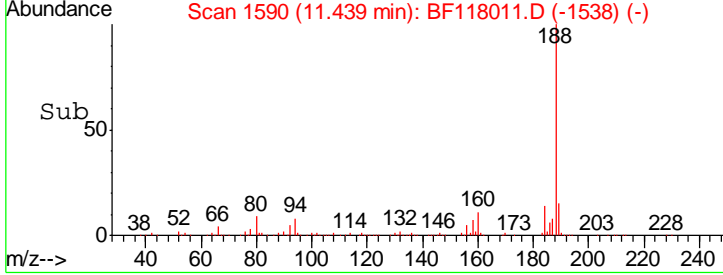
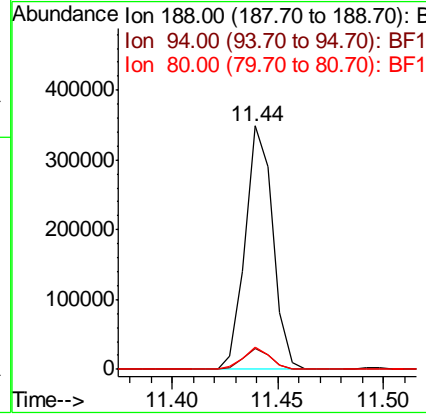
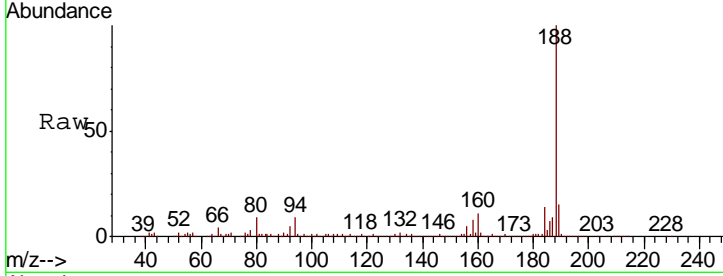




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

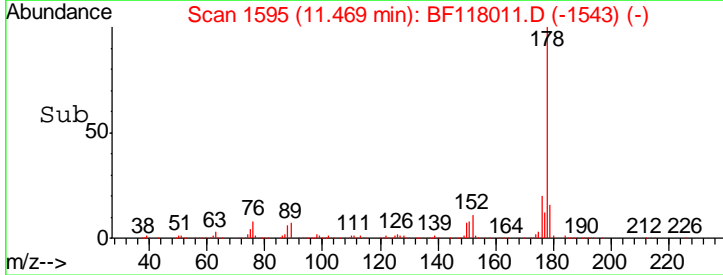
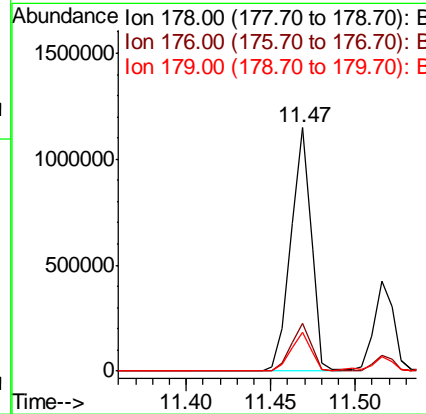
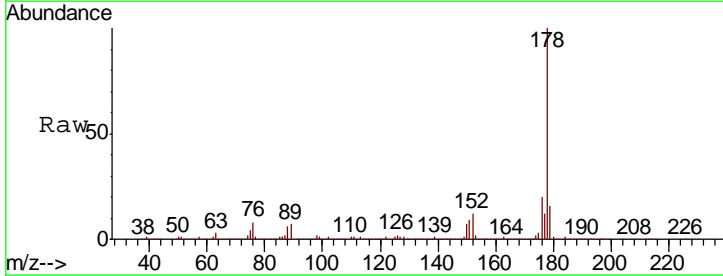
Instrument :
 BNA_F
 ClientSampled :

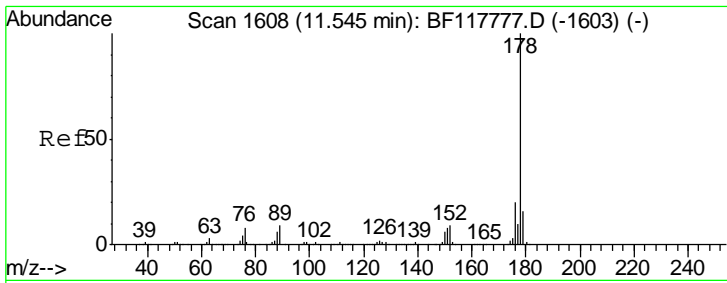
Tgt Ion	Resp	Lower	Upper
188	315211		
94	8.6	6.6	10.0
80	9.3	7.2	10.8



#71
 Phenanthrene
 Concen: 60.039 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. 0.01 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
178	951490		
176	19.9	16.6	25.0
179	15.9	13.2	19.8

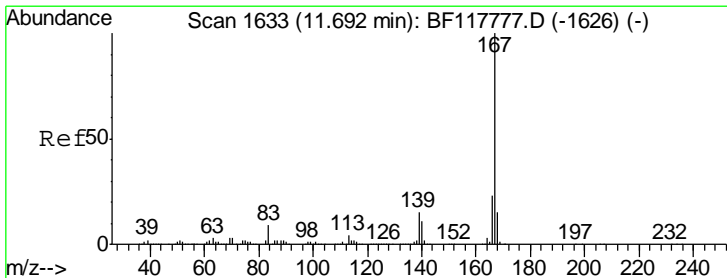
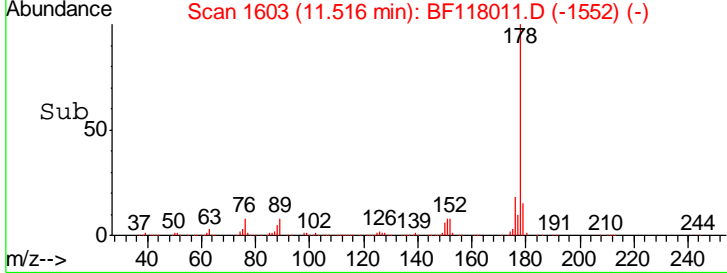
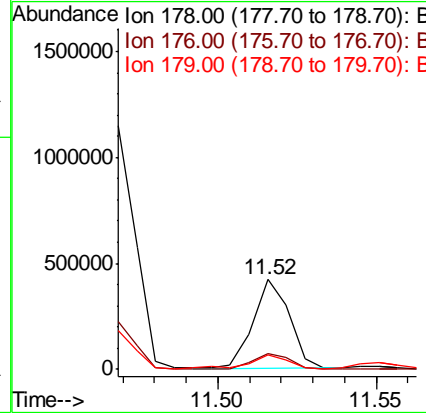
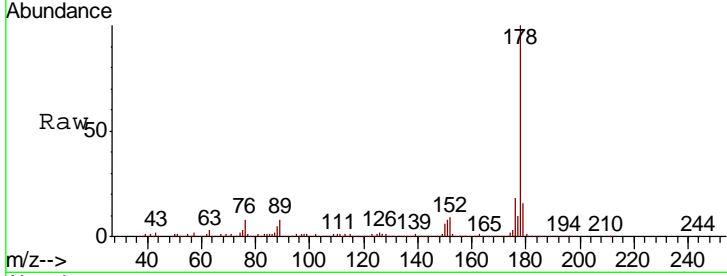




#72
 Anthracene
 Concen: 21.186 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

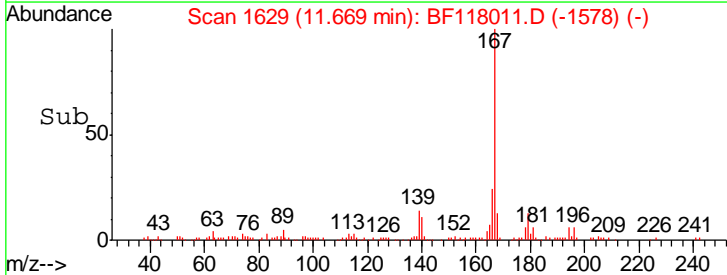
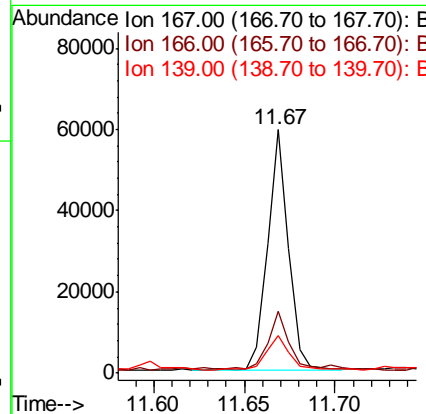
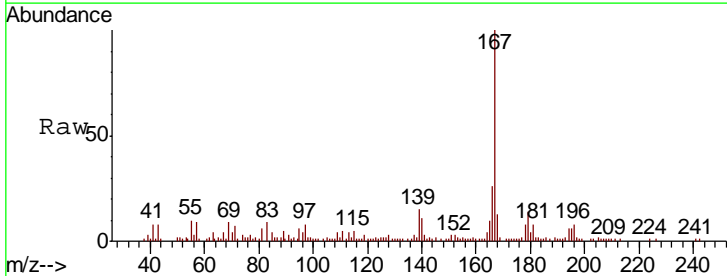
Instrument :
 BNA_F
 ClientSampled :

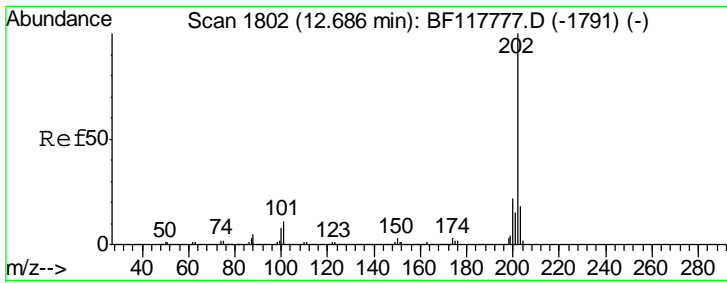
Tgt Ion	Resp	Lower	Upper
178	332887		
176	18.2	16.1	24.1
179	15.5	13.0	19.4



#73
 Carbazole
 Concen: 3.485 ng
 RT: 11.67 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
167	47847		
166	25.6	18.0	27.0
139	15.3	11.7	17.5

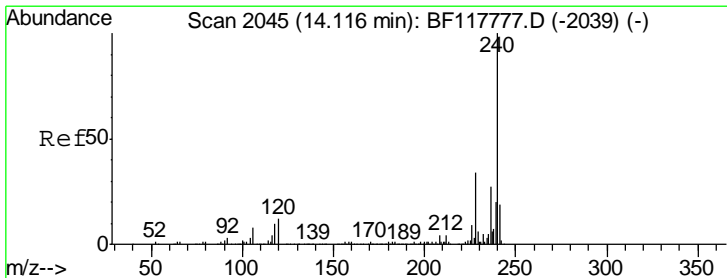
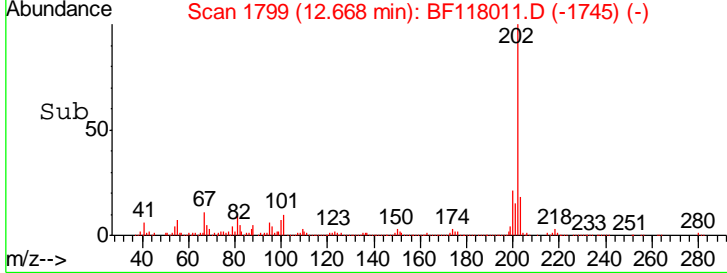
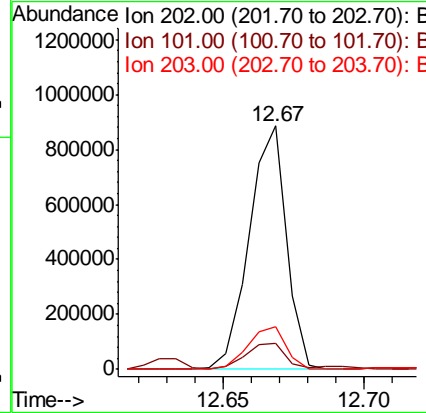
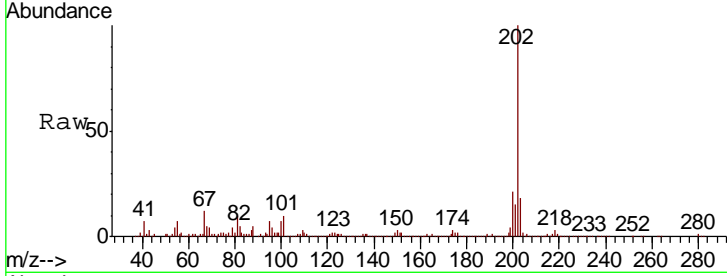




#75
 Fluoranthene
 Concen: 58.193 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. 0.02 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

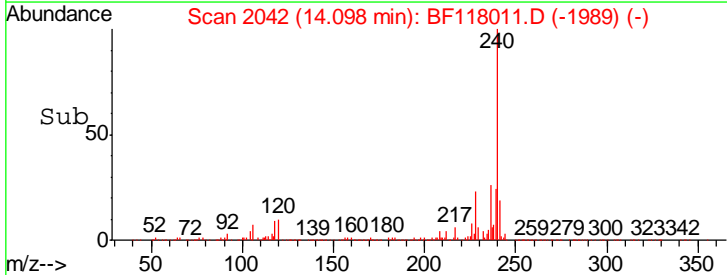
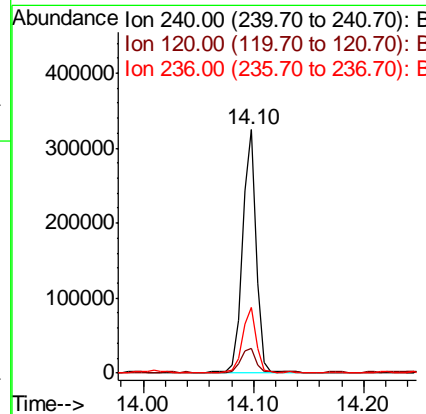
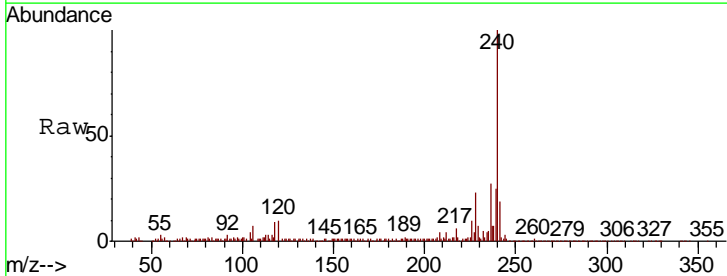
Instrument :
 BNA_F
 ClientSampled :

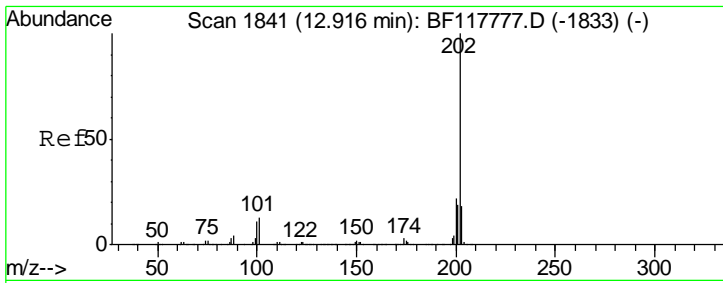
Tgt Ion	Resp	Lower	Upper
202	807976		
101	10.4	0.0	31.1
203	17.7	0.0	38.2



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. 0.01 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
240	278232		
120	10.0	9.5	14.3
236	27.0	21.3	31.9

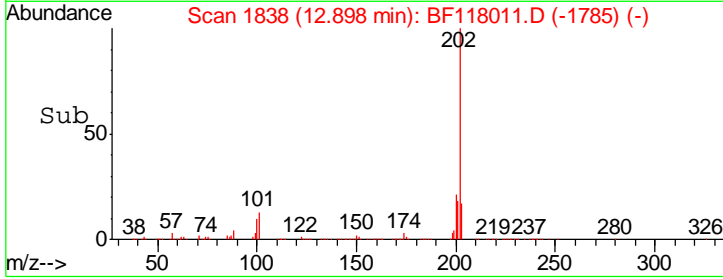
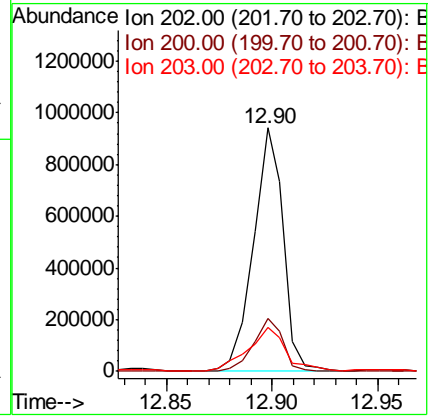
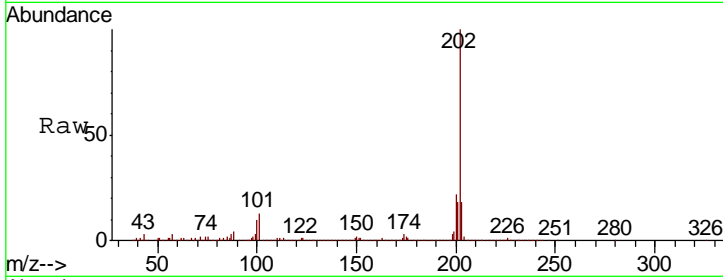




#78
 Pyrene
 Concen: 40.810 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.01 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

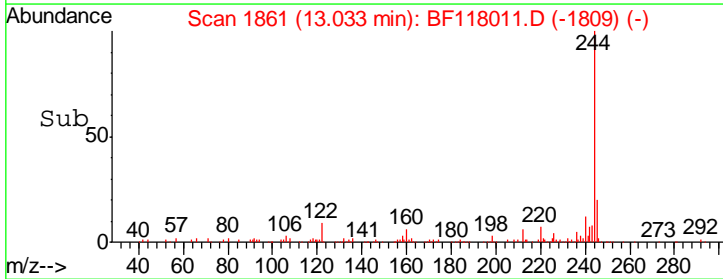
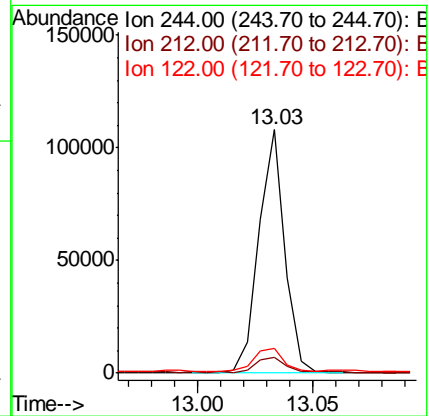
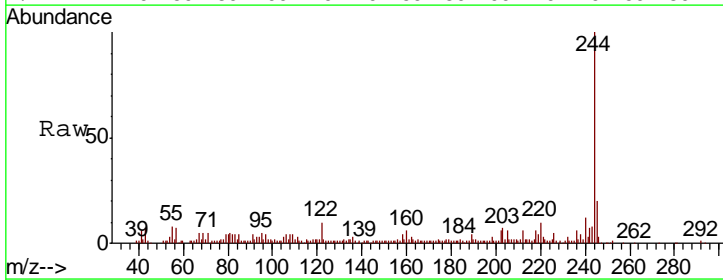
Instrument :
 BNA_F
 ClientSampled :

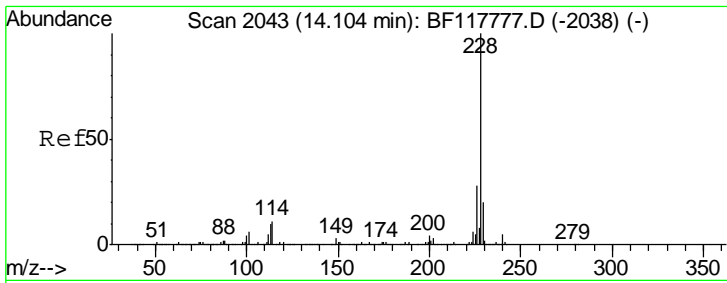
Tgt Ion	Resp	Lower	Upper
202	917629		
200	21.5	17.8	26.8
203	17.8	14.6	22.0



#79
 Terphenyl-d14
 Concen: 5.585 ng
 RT: 13.03 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
244	85026		
212	6.4	6.3	9.5
122	10.4	9.4	14.2

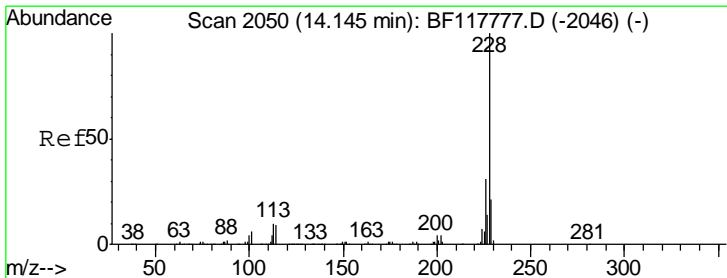
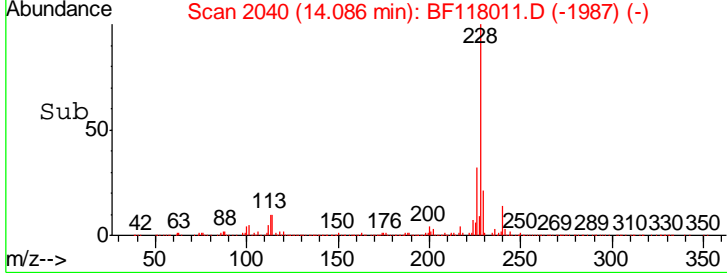
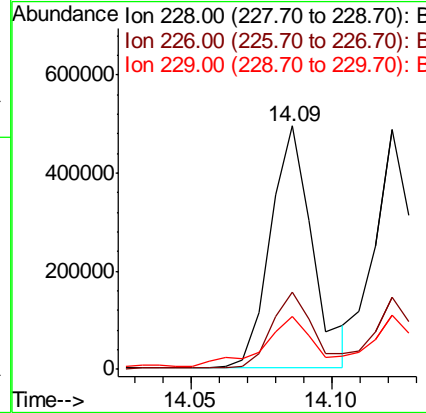
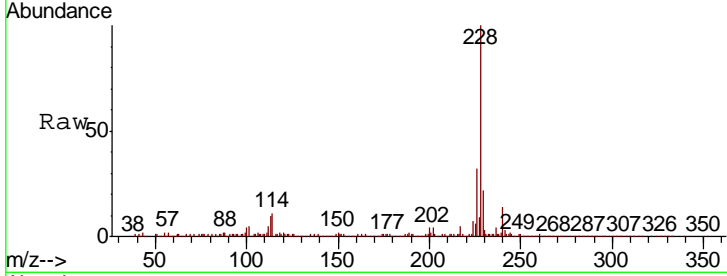




#81
 Benzo(a)anthracene
 Concen: 27.621 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. 0.01 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

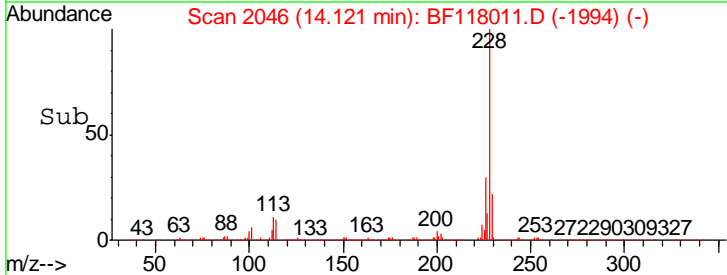
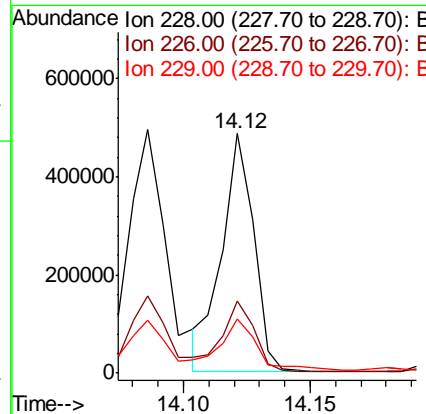
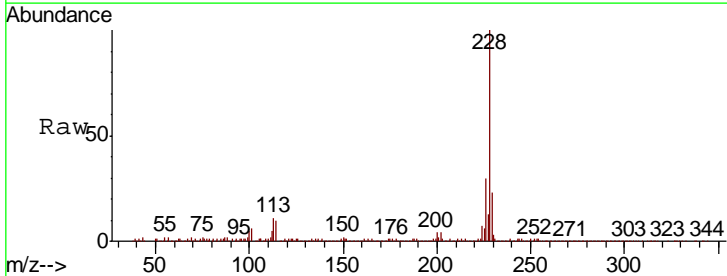
Instrument :
 BNA_F
 ClientSampled :

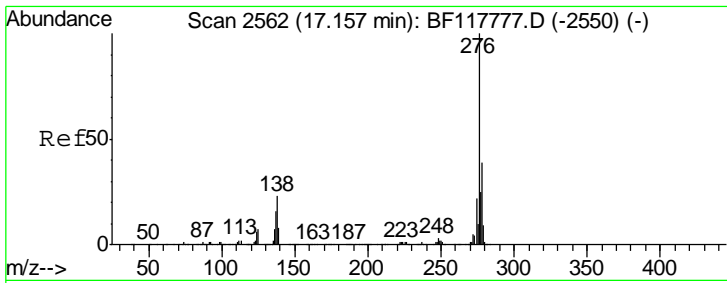
Tgt Ion	Resp	Lower	Upper
228	100		
226	31.9	22.2	33.2
229	22.0	15.9	23.9



#83
 Chrysene
 Concen: 24.067 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. 0.01 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
228	100		
226	30.1	25.0	37.4
229	22.6	16.6	25.0

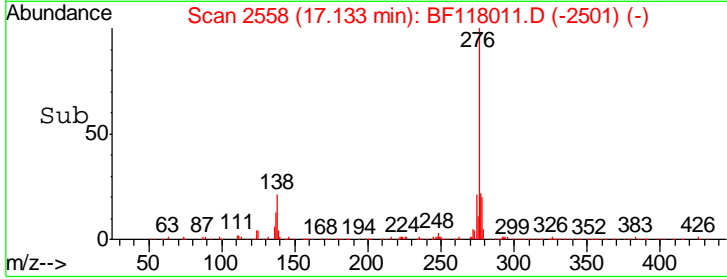
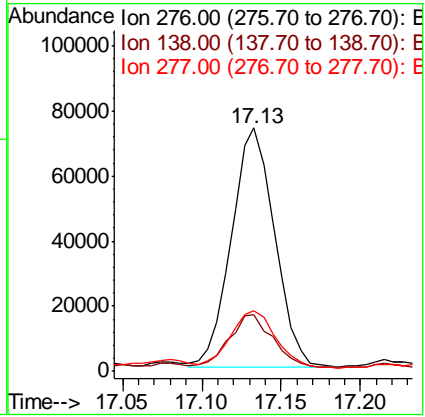
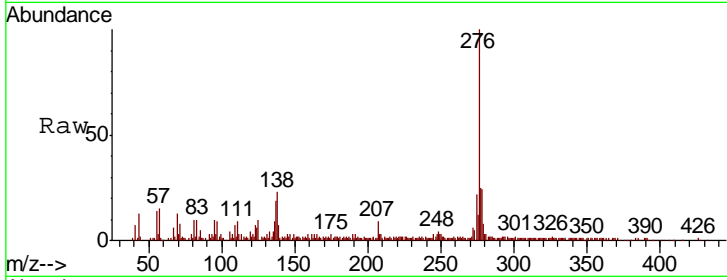




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.244 ng
 RT: 17.13 min Scan# 2558
 Delta R.T. 0.04 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

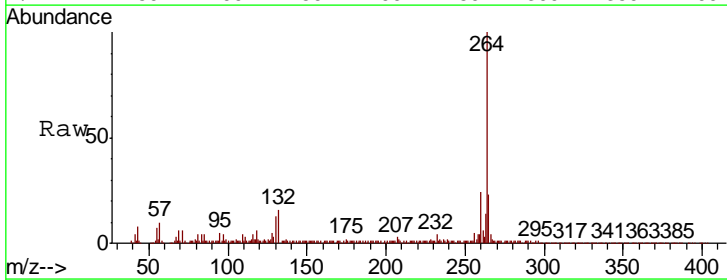
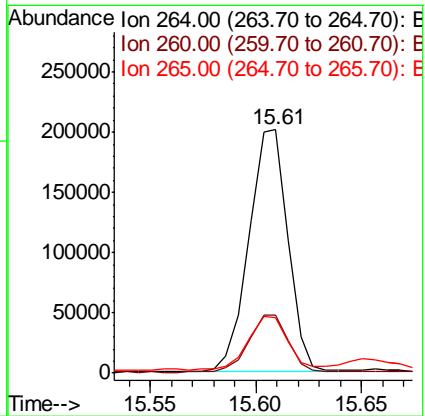
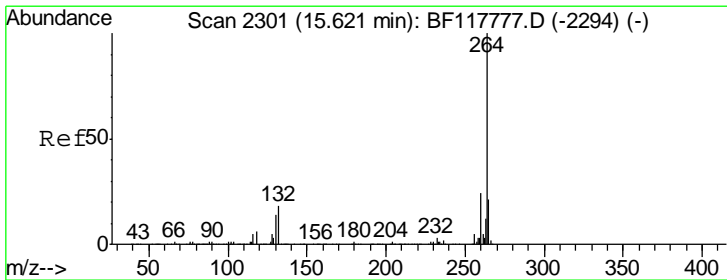
Instrument :
 BNA_F
 ClientSampled :

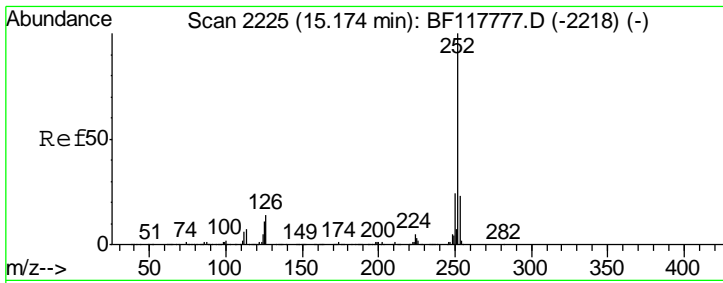
Tgt Ion	Resp	Lower	Upper
276	140161		
138	22.2	20.9	31.3
277	25.1	20.3	30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.61 min Scan# 2299
 Delta R.T. 0.03 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
264	259368		
260	24.1	19.4	29.0
265	22.7	17.1	25.7

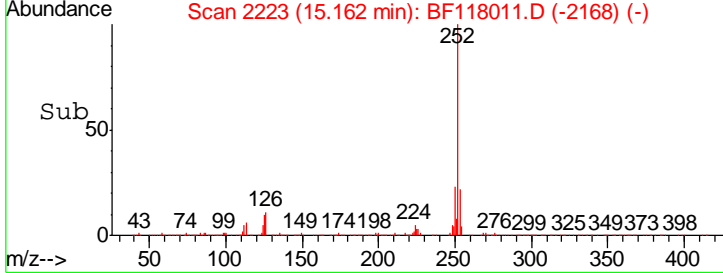
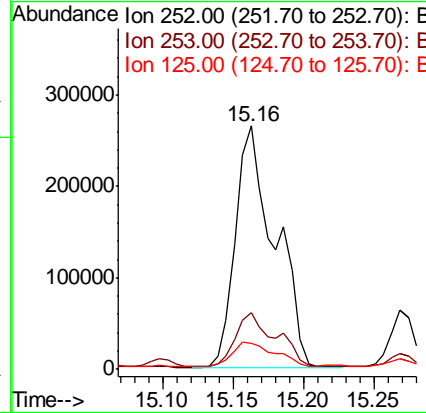
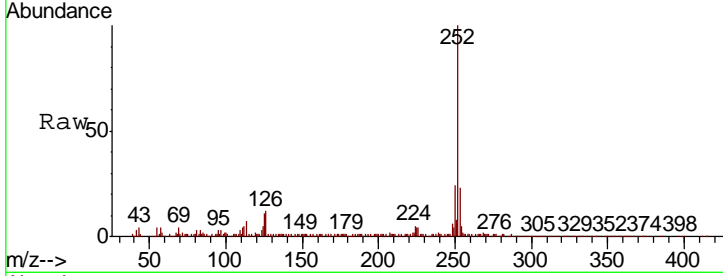




#88
 Benzo(b)fluoranthene
 Concen: 30.620 ng
 RT: 15.16 min Scan# 2223
 Delta R.T. 0.02 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

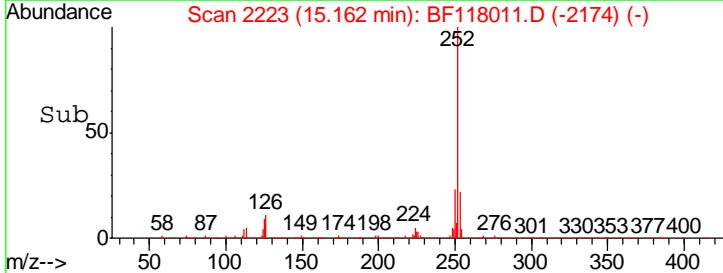
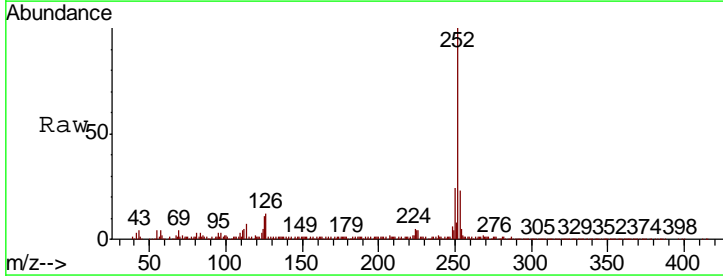
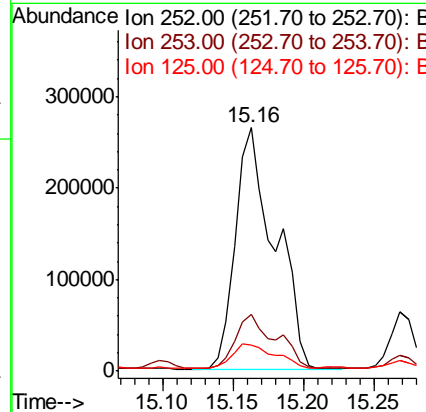
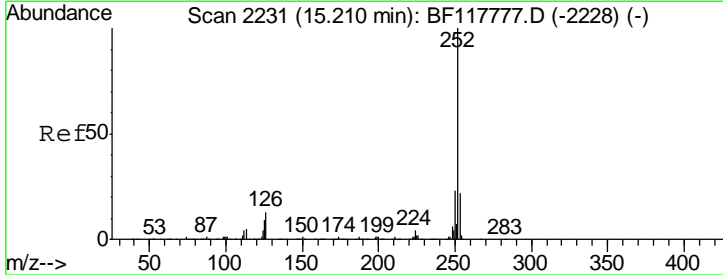
Instrument :
 BNA_F
 ClientSampled :

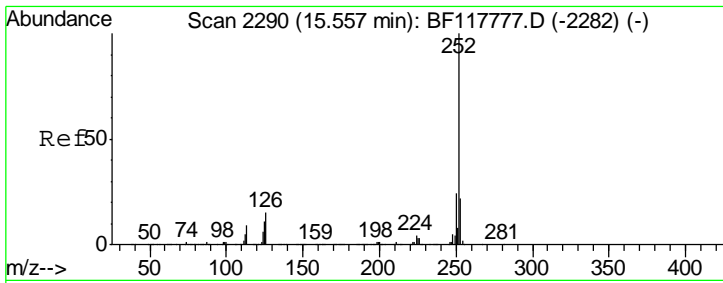
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	10.8	8.6	13.0



#89
 Benzo(k)fluoranthene
 Concen: 32.497 ng
 RT: 15.16 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	10.8	7.9	11.9

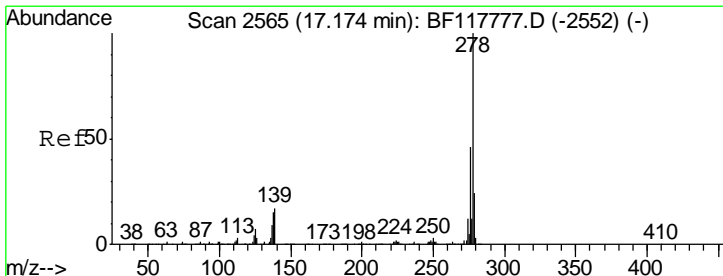
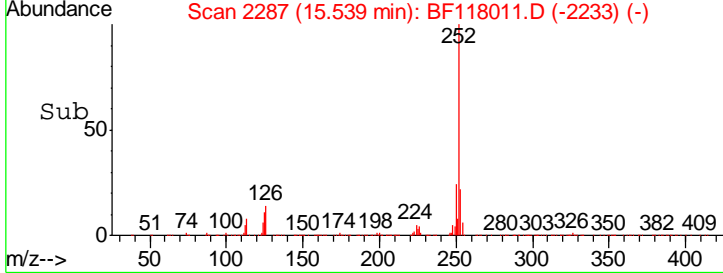
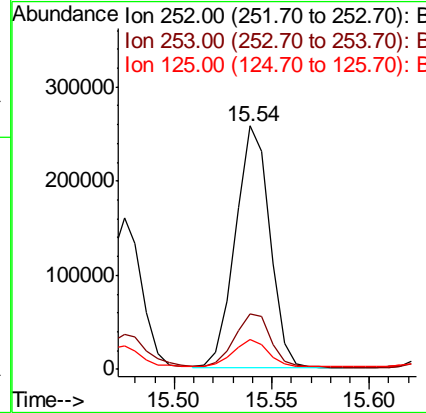
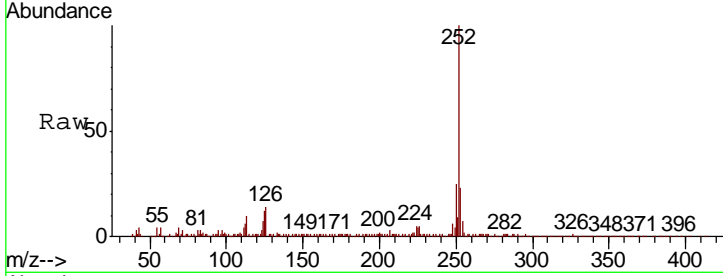




#90
 Benzo(a)pyrene
 Concen: 21.219 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.02 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

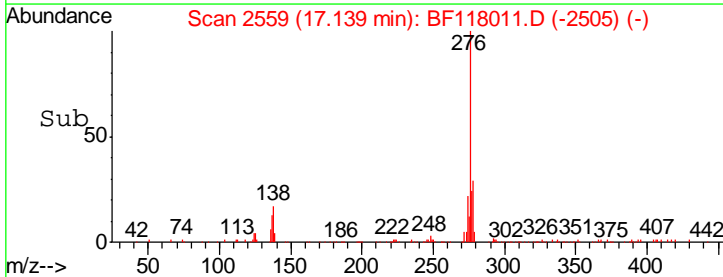
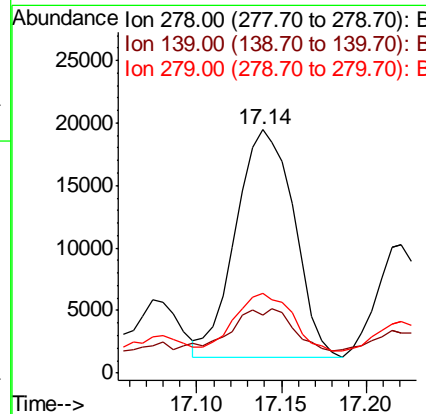
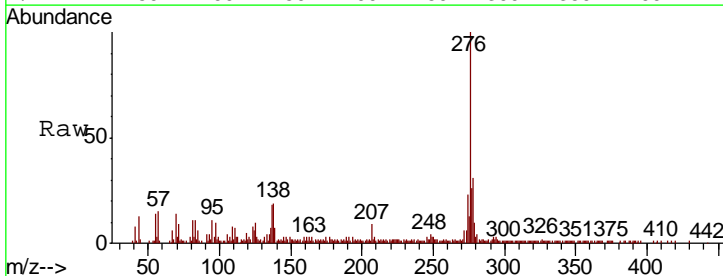
Instrument :
 BNA_F
 ClientSampled :

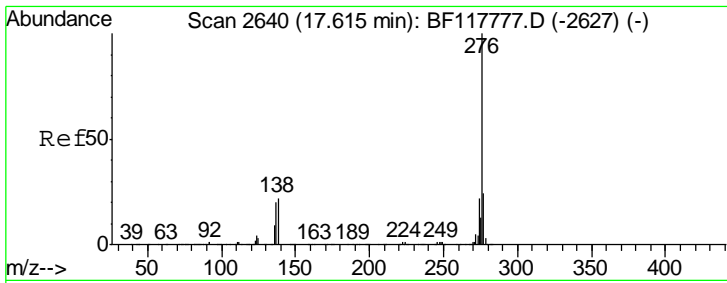
Tgt Ion	Resp	Lower	Upper
252	314429		
253	23.0	17.8	26.6
125	12.0	9.2	13.8



#91
 Dibenzo(a,h)anthracene
 Concen: 3.426 ng
 RT: 17.14 min Scan# 2559
 Delta R.T. 0.02 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Tgt Ion	Resp	Lower	Upper
278	43692		
278	100		
139	23.9	13.8	20.8#
279	32.6	19.6	29.4#





#92
 Benzo(a,h,i)perylene
 Concen: 10.841 ng
 RT: 17.60 min Scan# 2637
 Delta R.T. 0.04 min
 Lab File: BF118011.D
 Acq: 26 Nov 2019 17:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 276 Resp: 137715

Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.9	28.3
138	23.6	17.4	26.2

