

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041415\  
 Data File : BF078532.D  
 Acq On : 15 Apr 2015 9:10  
 Operator : TP/IZ  
 Sample : G1823-07DL 10X  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-4DL

Quant Time: Apr 15 08:52:02 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 15 01:10:59 2015  
 Response via : Initial Calibration

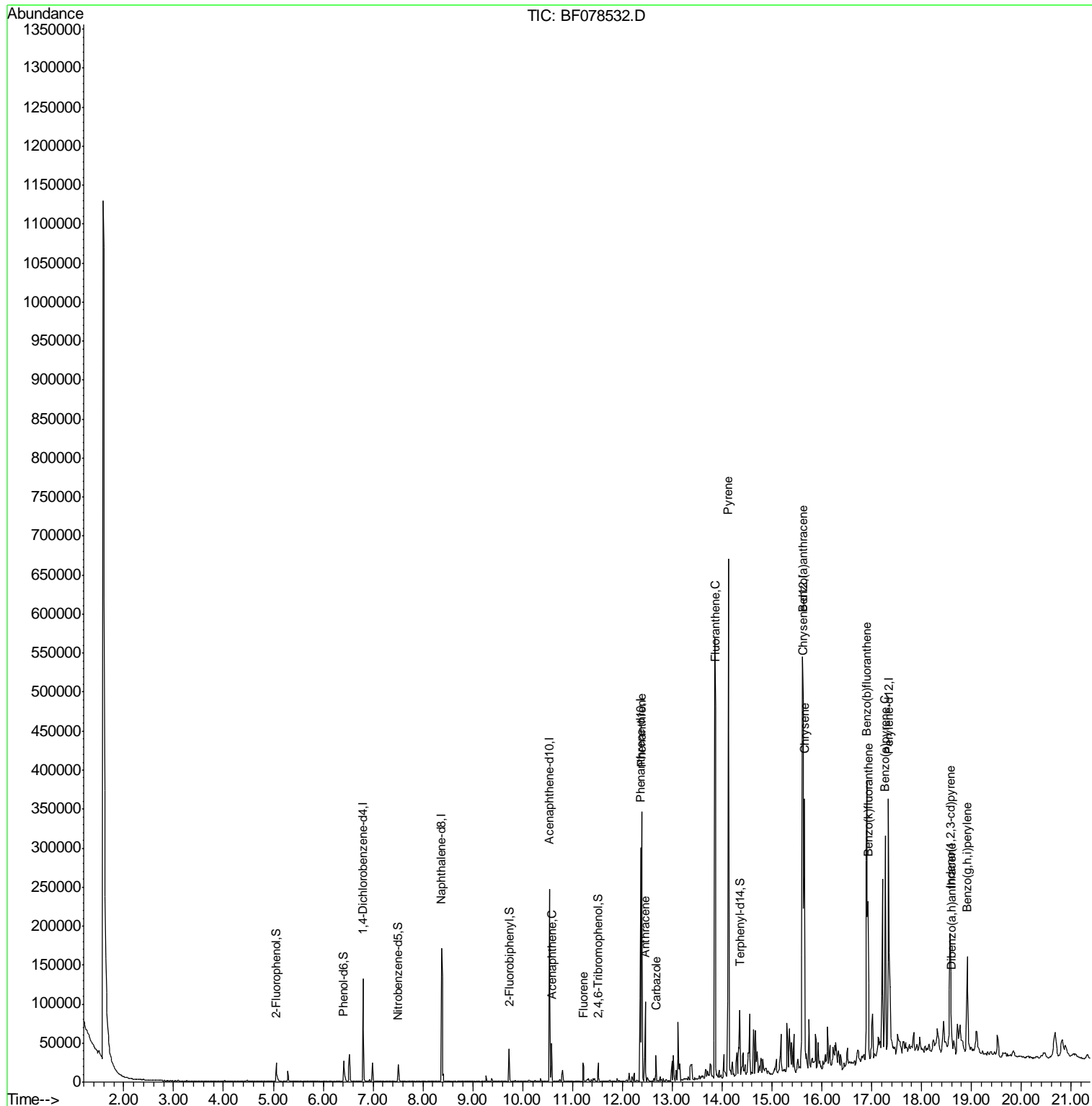
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	25311	20.00	ng	0.00
21) Naphthalene-d8	8.38	136	112209	20.00	ng	-0.01
38) Acenaphthene-d10	10.54	164	59871	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	128200	20.00	ng	0.00
75) Chrysene-d12	15.62	240	145410	20.00	ng	-0.03
86) Perylene-d12	17.34	264	147142	20.00	ng	-0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	12448	8.11	ng	0.01
7) Phenol-d6	6.41	99	17110	8.89	ng	0.00
23) Nitrobenzene-d5	7.51	82	9291	5.02	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	3682	7.42	ng	0.00
44) 2-Fluorobiphenyl	9.74	172	23595	5.63	ng	0.00
78) Terphenyl-d14	14.35	244	31953	4.97	ng	0.00
Target Compounds						
51) Acenaphthene	10.58	154	13635	3.89	ng	96
57) Fluorene	11.21	166	10914	2.52	ng	98
70) Phenanthrene	12.39	178	178087	24.01	ng	99
71) Anthracene	12.46	178	45052	6.17	ng	100
72) Carbazole	12.67	167	17888	2.61	ng	98
74) Fluoranthene	13.86	202	339212	43.37	ng	89
77) Pyrene	14.13	202	322584	35.34	ng	# 90
80) Benzo(a)anthracene	15.61	228	206663	23.89	ng	99
82) Chrysene	15.66	228	155155	19.09	ng	97
85) Indeno(1,2,3-cd)pyrene	18.57	276	95414m	10.34	ng	
87) Benzo(b)fluoranthene	16.90	252	212412	23.36	ng	# 96
88) Benzo(k)fluoranthene	16.93	252	85587m	10.59	ng	
89) Benzo(a)pyrene	17.27	252	148823	18.75	ng	# 92
90) Dibenzo(a,h)anthracene	18.59	278	23095m	2.91	ng	
91) Benzo(g,h,i)perylene	18.91	276	90391m	11.35	ng	

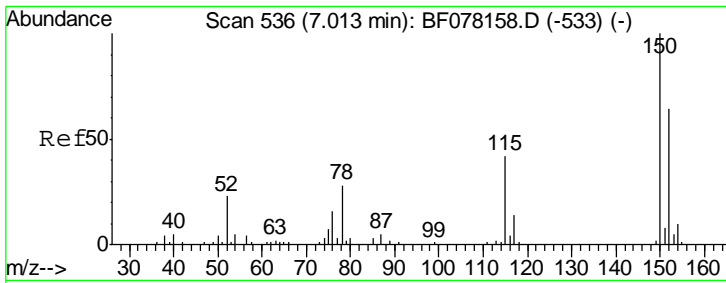
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041415\  
 Data File : BF078532.D  
 Acq On : 15 Apr 2015 9:10  
 Operator : TP/IZ  
 Sample : G1823-07DL 10X  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 Client Sampled :  
 SP-4DL

Quant Time: Apr 15 08:52:02 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 15 01:10:59 2015  
 Response via : Initial Calibration

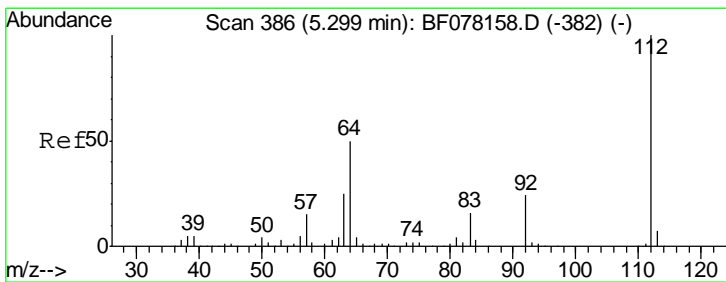
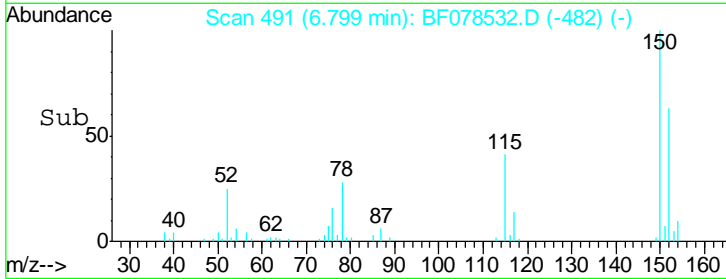
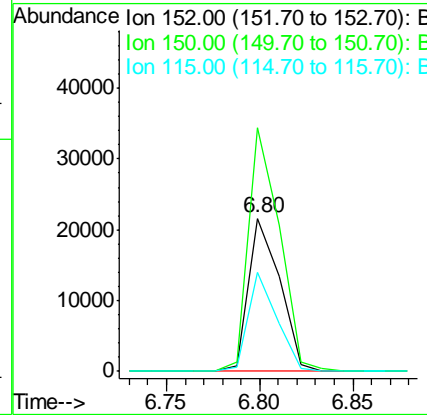
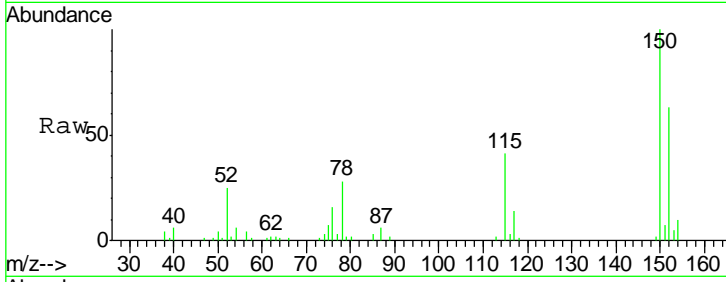




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.80 min Scan# 491  
 Delta R.T. 0.00 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

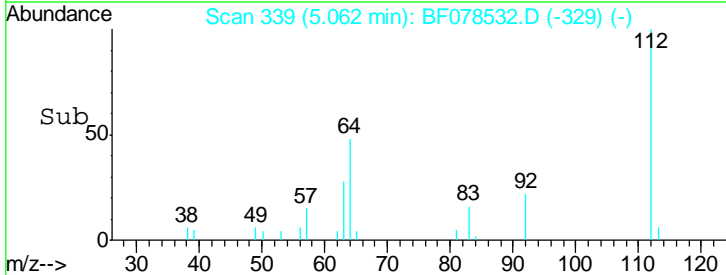
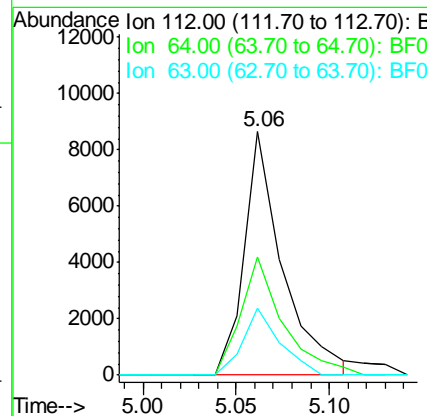
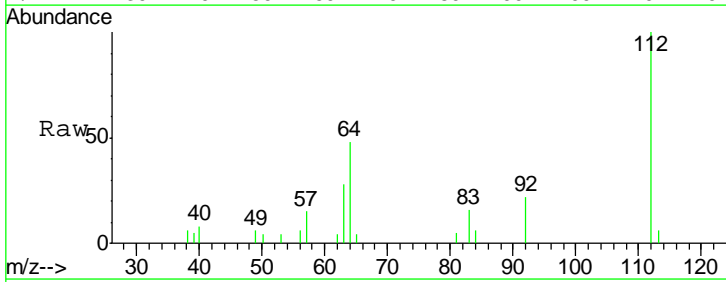
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 SP-4DL

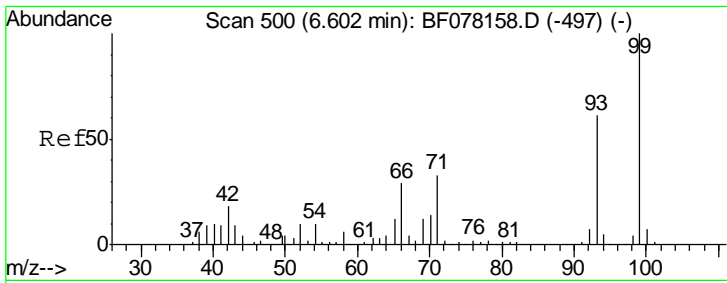
Tgt Ion	Resp	Lower	Upper
152	25311		
150	158.8	125.9	188.9
115	64.6	52.7	79.1



#5  
 2-Fluorophenol  
 Concen: 8.11 ng  
 RT: 5.06 min Scan# 339  
 Delta R.T. 0.01 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Tgt Ion	Resp	Lower	Upper
112	12448		
64	48.5	39.9	59.9
63	27.5	20.2	30.4

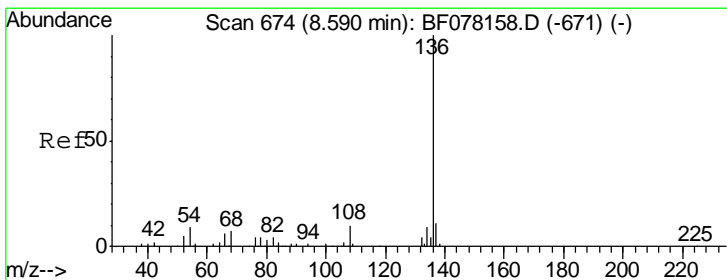
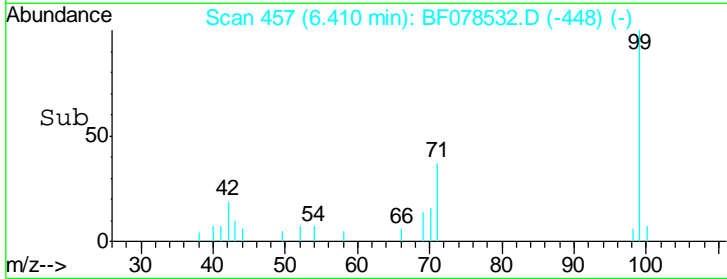
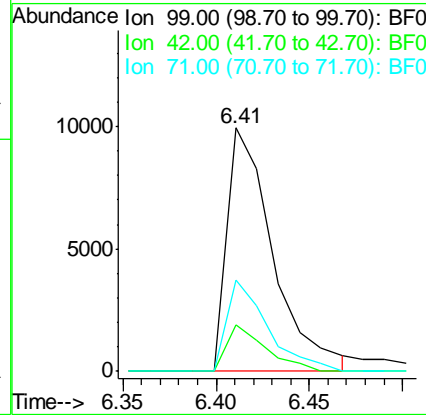
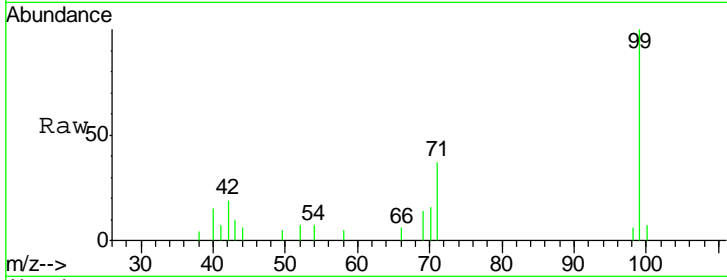




#7  
 Phenol-d6  
 Concen: 8.89 ng  
 RT: 6.41 min Scan# 457  
 Delta R.T. 0.00 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

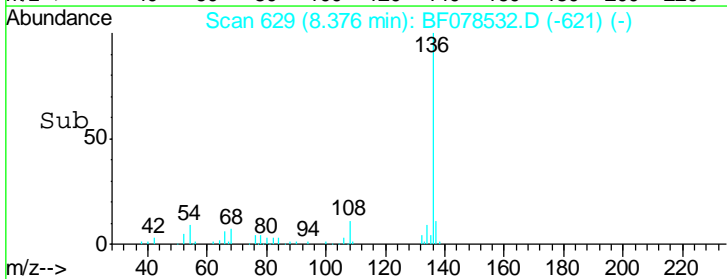
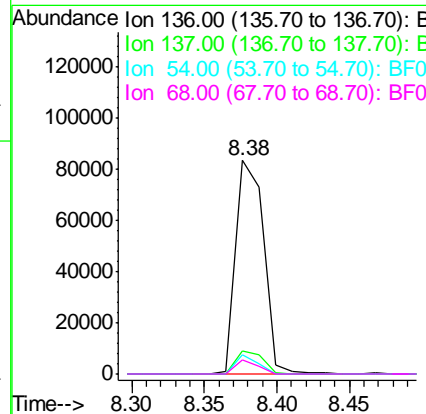
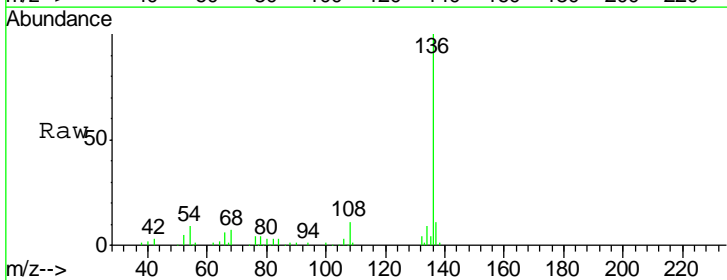
Instrument :  
 BNA\_F  
 ClientSampled :  
 SP-4DL

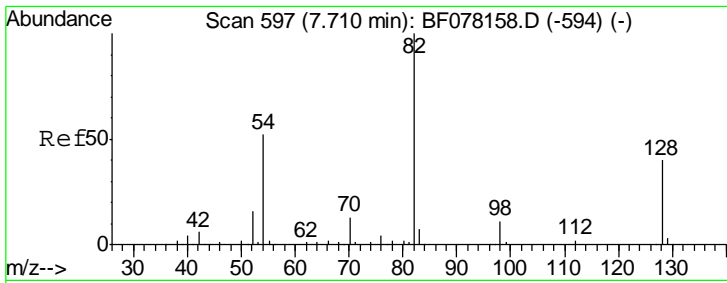
Tgt Ion	Resp	Lower	Upper
99	17110		
42	19.2	14.8	22.2
71	37.3	26.6	39.8



#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 8.38 min Scan# 629  
 Delta R.T. -0.01 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Tgt Ion	Resp	Lower	Upper
136	112209		
137	11.1	9.0	13.4
54	9.0	7.0	10.6
68	6.5	5.4	8.2

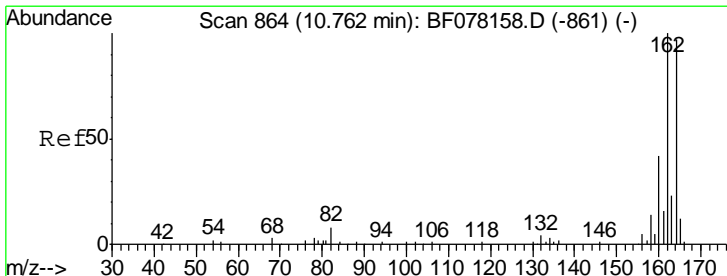
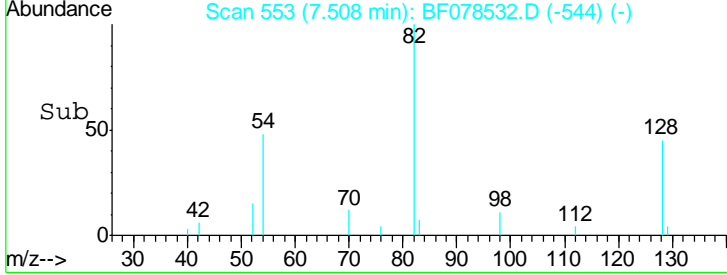
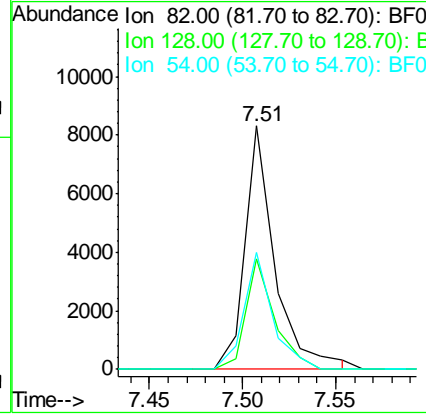
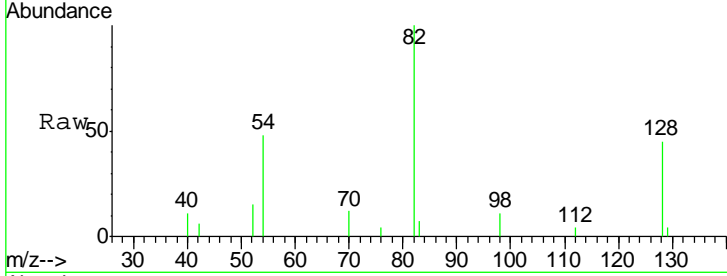




#23  
 Nitrobenzene-d5  
 Concen: 5.02 ng  
 RT: 7.51 min Scan# 553  
 Delta R.T. 0.00 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

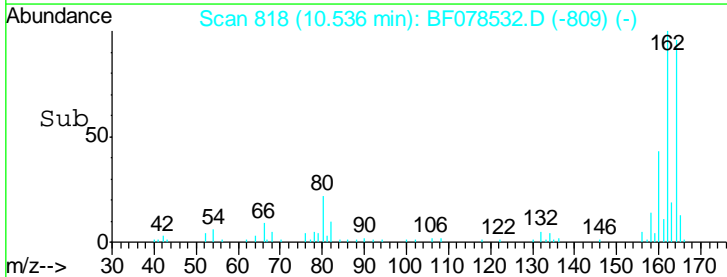
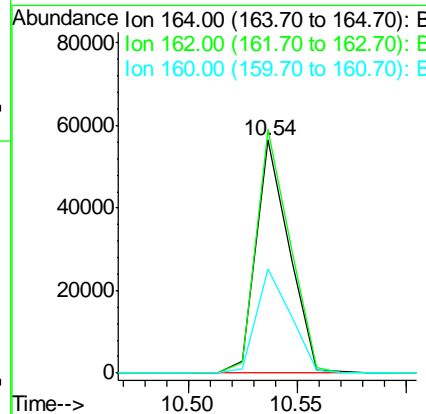
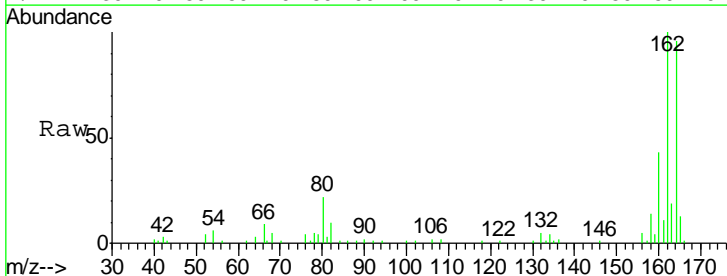
Instrument :  
 BNA\_F  
 ClientSampled :  
 SP-4DL

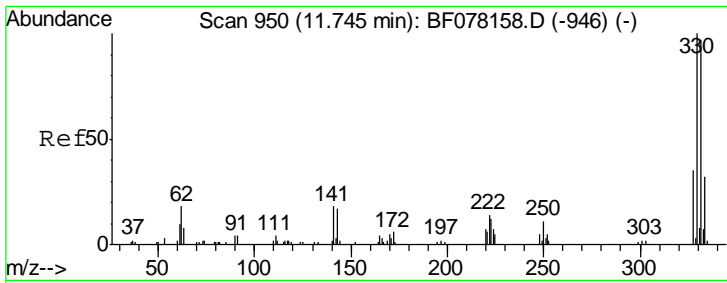
Tgt Ion	Resp	Lower	Upper
82	9291		
128	45.4	31.8	47.8
54	47.9	41.5	62.3



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.54 min Scan# 818  
 Delta R.T. 0.00 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Tgt Ion	Resp	Lower	Upper
164	59871		
162	104.5	82.2	123.2
160	45.0	34.7	52.1

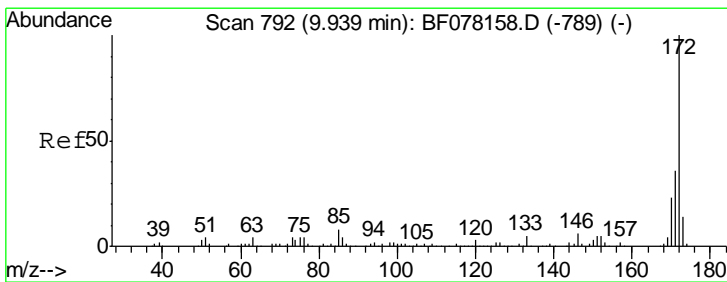
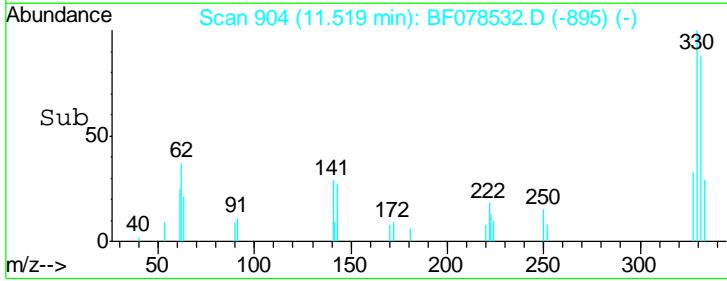
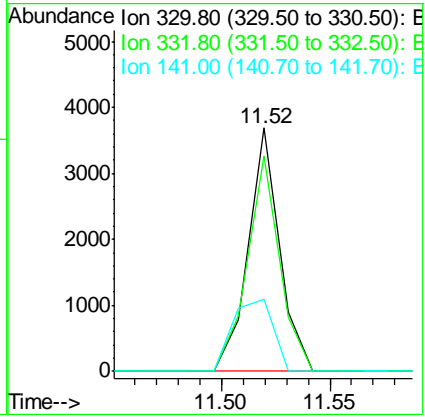
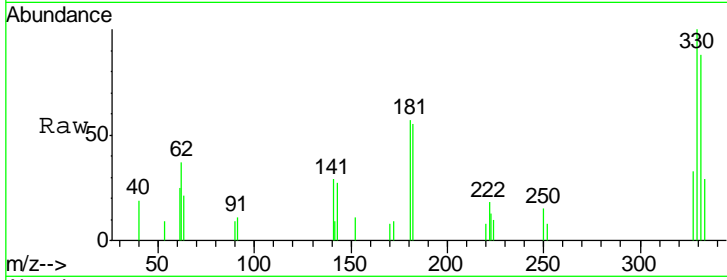




#41  
 2,4,6-Tribromophenol  
 Concen: 7.42 ng  
 RT: 11.52 min Scan# 904  
 Delta R.T. 0.00 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

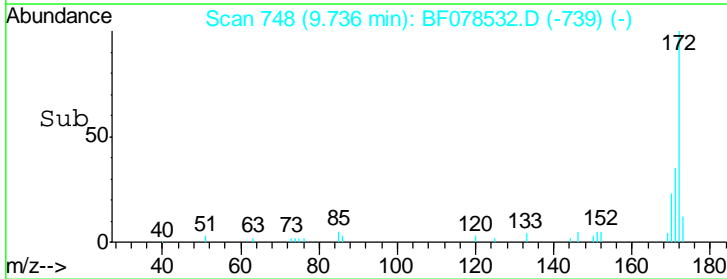
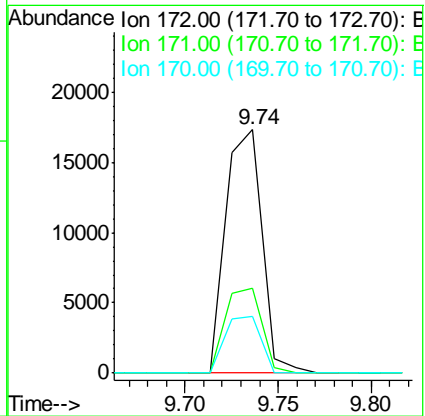
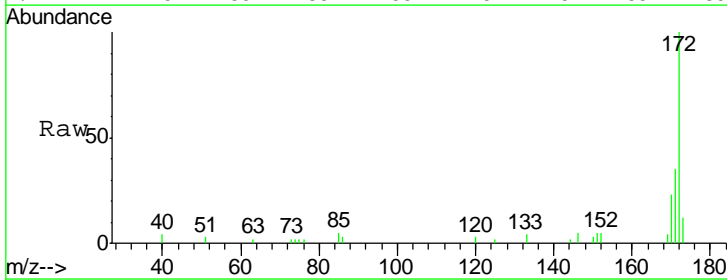
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 SP-4DL

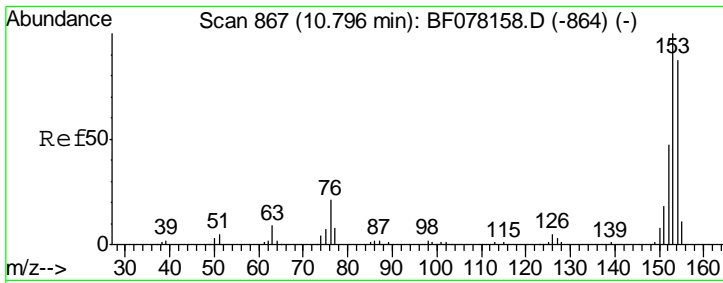
Tgt Ion	Resp	Lower	Upper
330	100		
332	91.8	78.6	117.8
141	38.2	31.2	46.8



#44  
 2-Fluorobiphenyl  
 Concen: 5.63 ng  
 RT: 9.74 min Scan# 748  
 Delta R.T. 0.00 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Tgt Ion	Resp	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.3	18.5	27.7

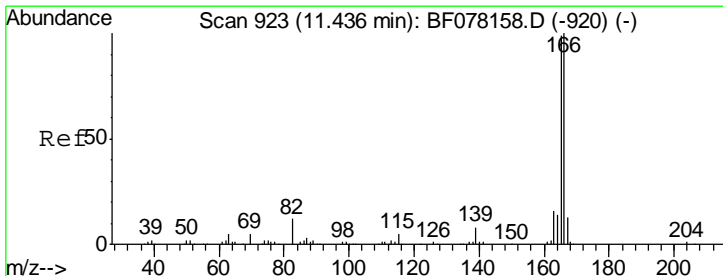
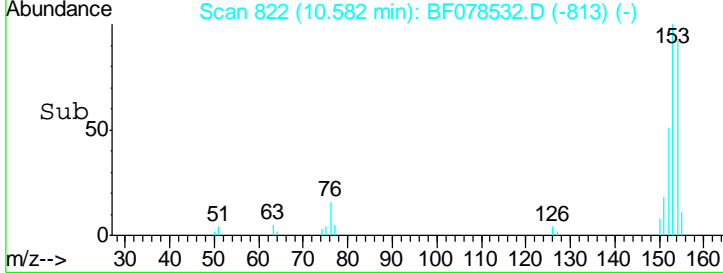
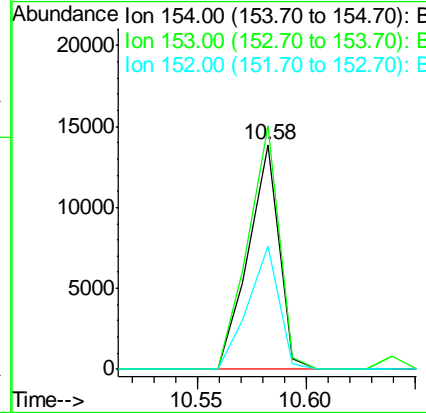
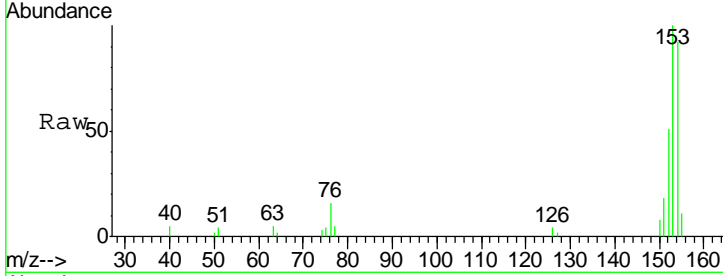




#51  
 Acenaphthene  
 Concen: 3.89 ng  
 RT: 10.58 min Scan# 822  
 Delta R.T. 0.00 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

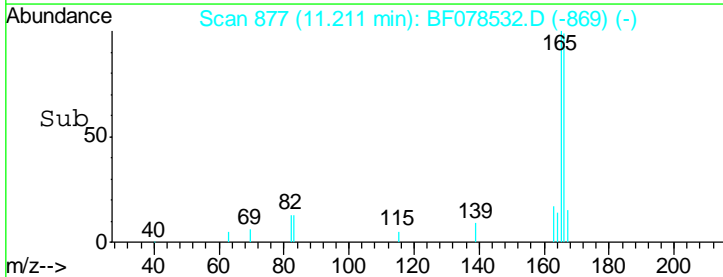
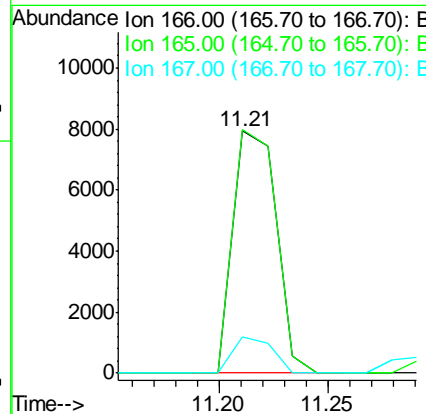
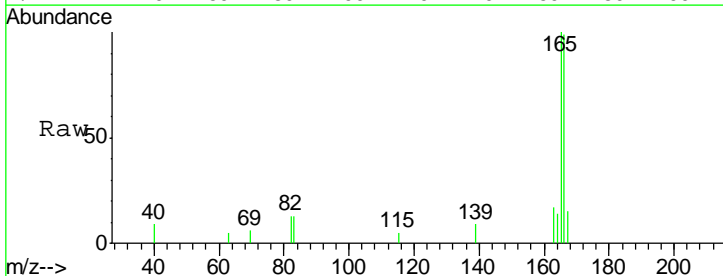
Instrument :  
 BNA\_F  
 ClientSampled :  
 SP-4DL

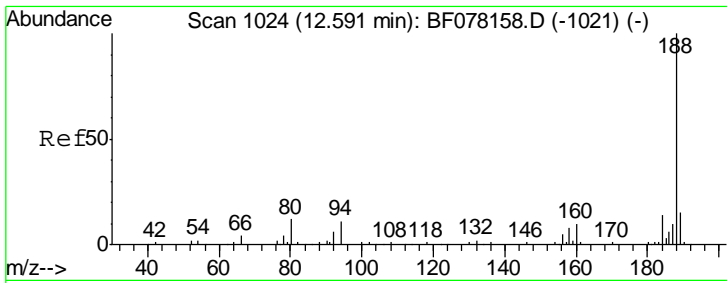
Tgt Ion	Resp	Lower	Upper
154	13635		
153	108.4	91.4	137.2
152	54.7	43.0	64.6



#57  
 Fluorene  
 Concen: 2.52 ng  
 RT: 11.21 min Scan# 877  
 Delta R.T. -0.01 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Tgt Ion	Resp	Lower	Upper
166	10914		
165	100.5	78.9	118.3
167	14.9	10.7	16.1

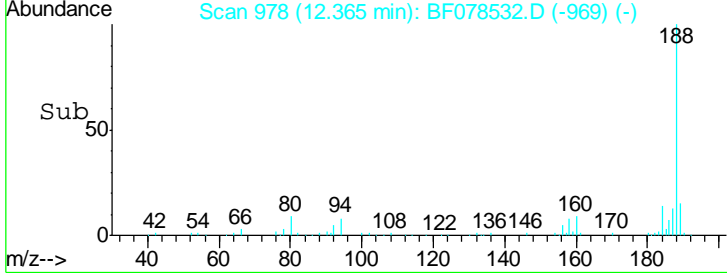
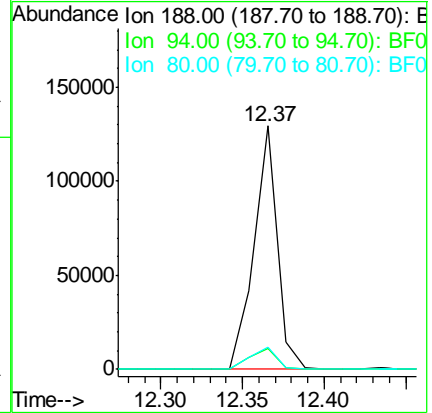
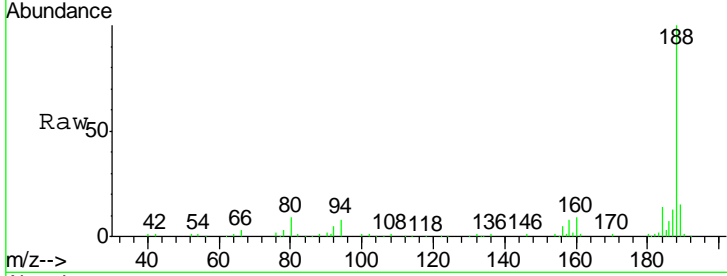




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 12.37 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

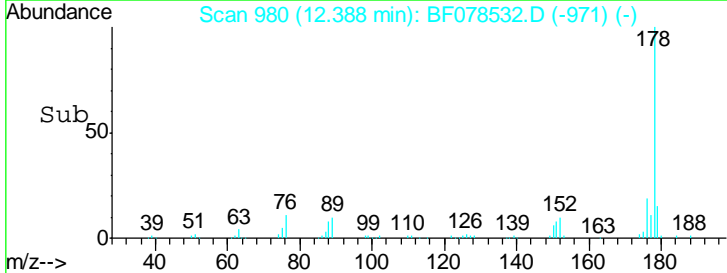
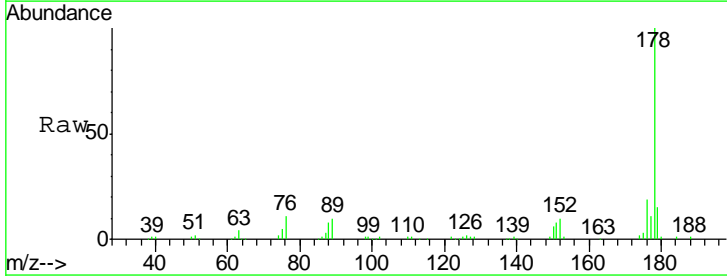
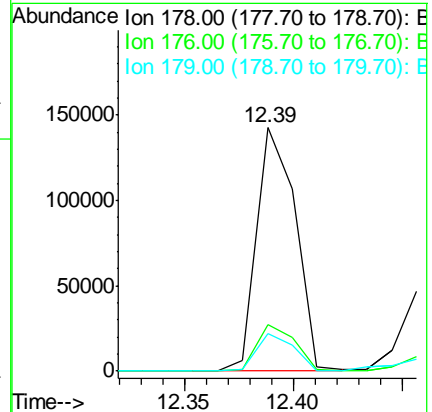
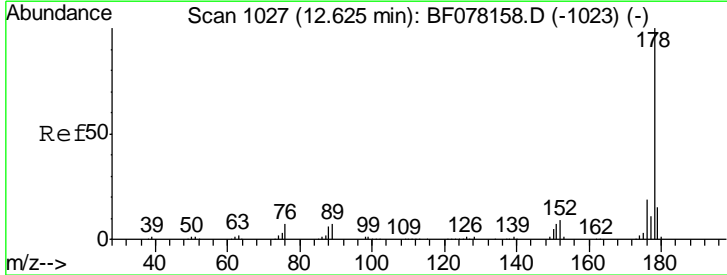
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 SP-4DL

Tgt Ion	Resp	Lower	Upper
188	100		
94	8.4	9.0	13.4#
80	8.9	9.5	14.3#

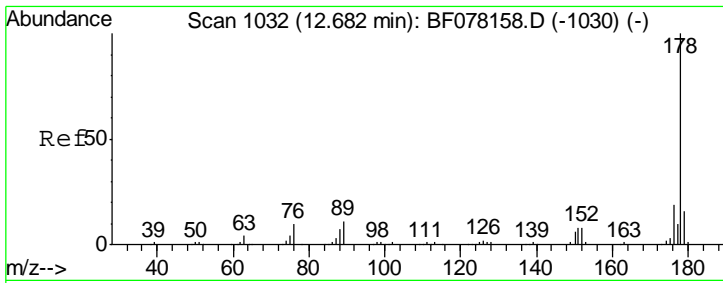


#70  
 Phenanthrene  
 Concen: 24.01 ng  
 RT: 12.39 min Scan# 980  
 Delta R.T. 0.00 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Tgt Ion	Resp	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.3	12.2	18.2





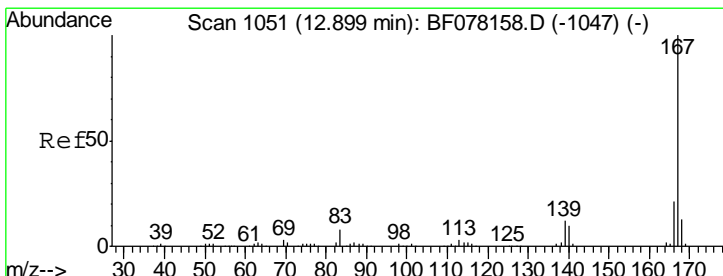
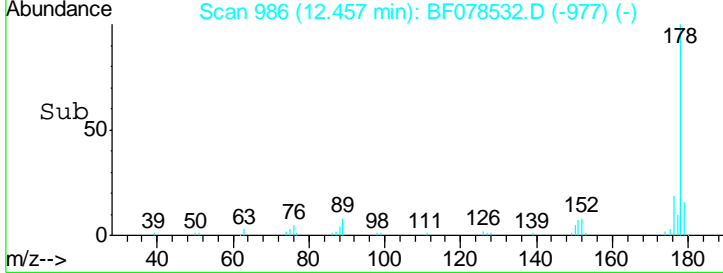
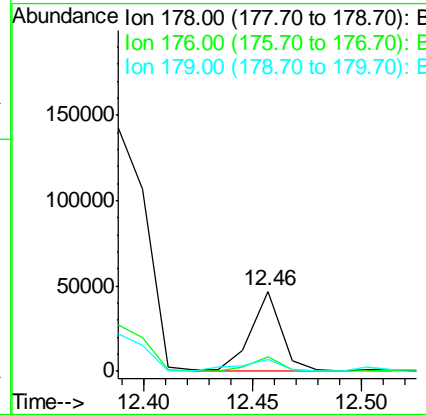
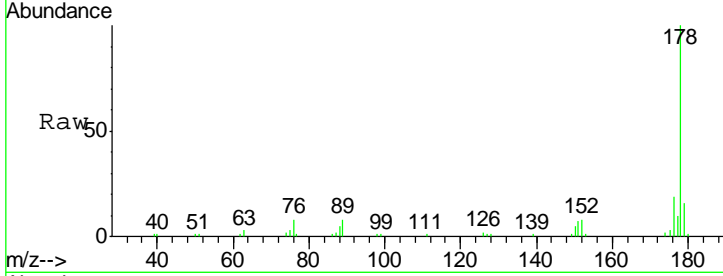


#71  
 Anthracene  
 Concen: 6.17 ng  
 RT: 12.46 min Scan# 986  
 Delta R.T. 0.00 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Instrument :  
 BNA\_F  
 ClientSampled :  
 SP-4DL

Tgt Ion: 178 Resp: 45052

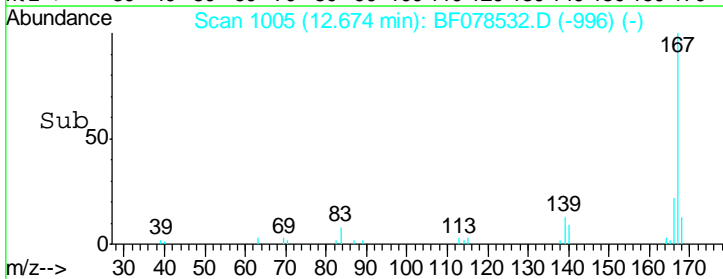
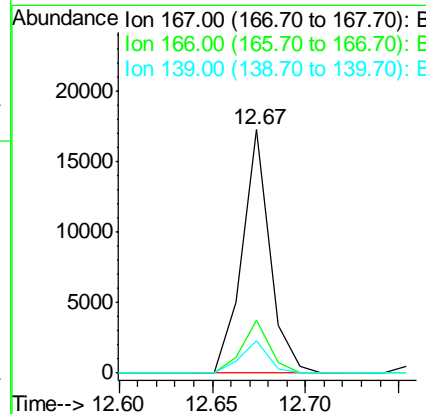
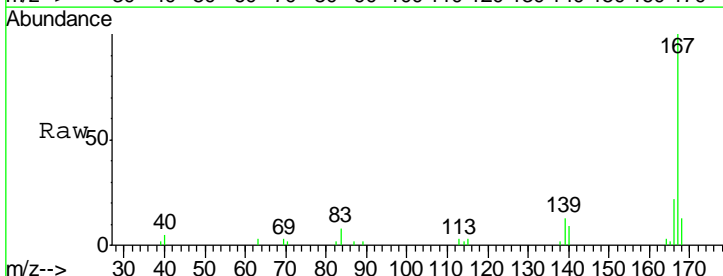
Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.6	12.4	18.6

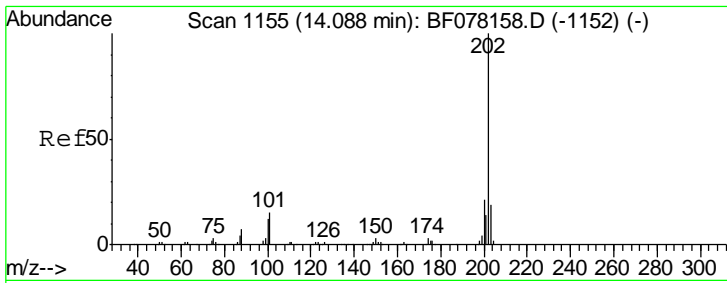


#72  
 Carbazole  
 Concen: 2.61 ng  
 RT: 12.67 min Scan# 1005  
 Delta R.T. 0.00 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Tgt Ion: 167 Resp: 17888

Ion	Ratio	Lower	Upper
167	100		
166	21.8	16.8	25.2
139	13.1	10.0	15.0

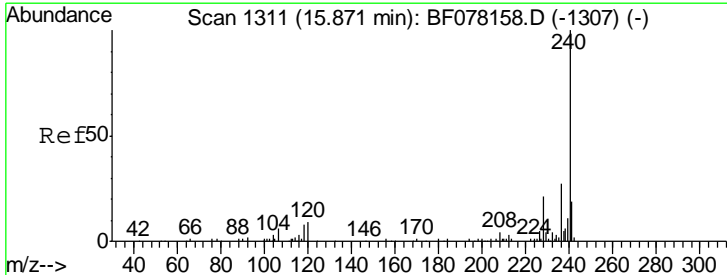
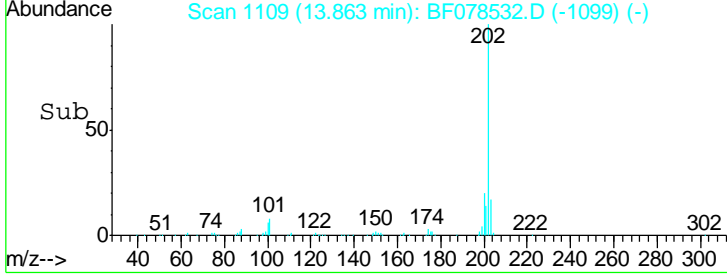
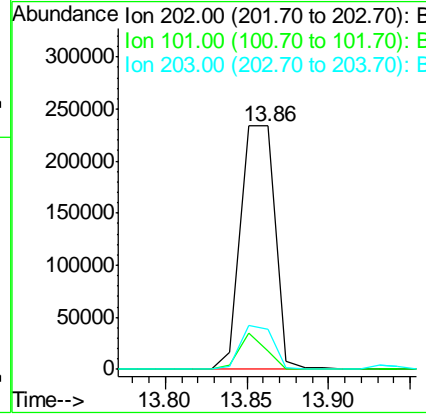
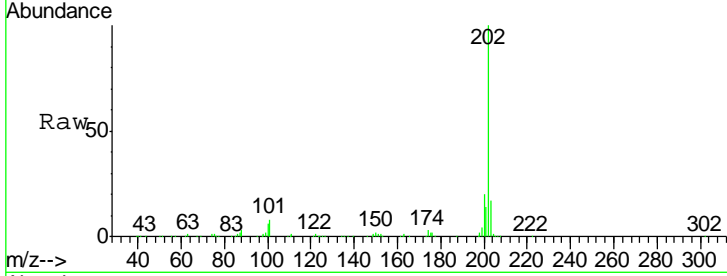




#74  
 Fluoranthene  
 Concen: 43.37 ng  
 RT: 13.86 min Scan# 1109  
 Delta R.T. 0.01 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

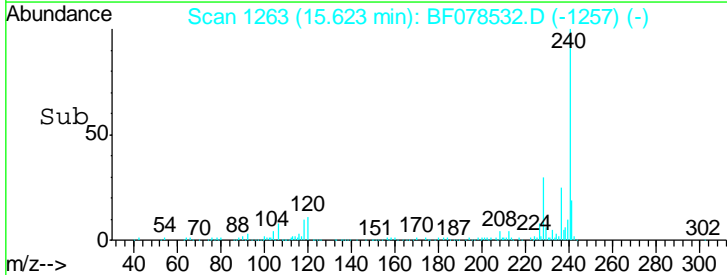
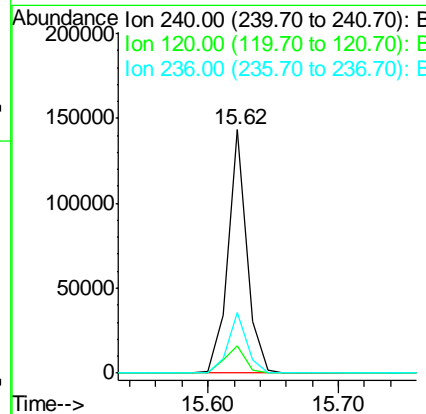
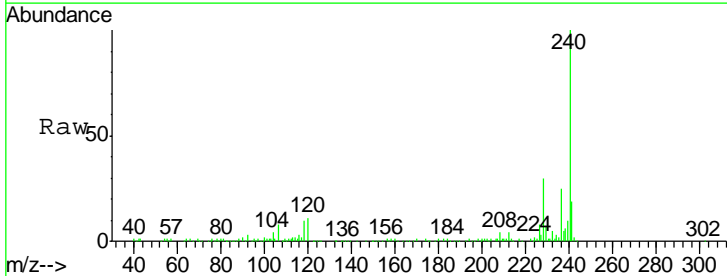
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 SP-4DL

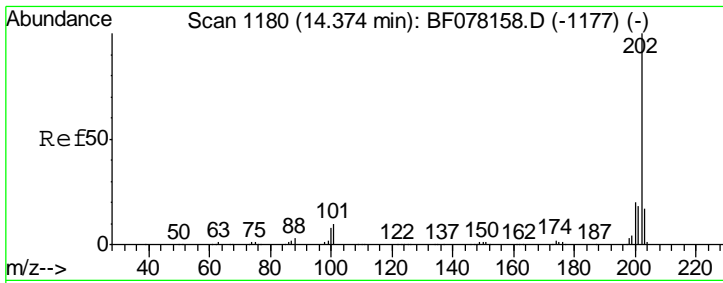
Tgt Ion	Resp	Lower	Upper
202	100		
101	7.5	0.0	35.2
203	16.7	0.0	38.5



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 15.62 min Scan# 1263  
 Delta R.T. -0.03 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Tgt Ion	Resp	Lower	Upper
240	100		
120	11.4	7.1	10.7#
236	25.0	21.4	32.2



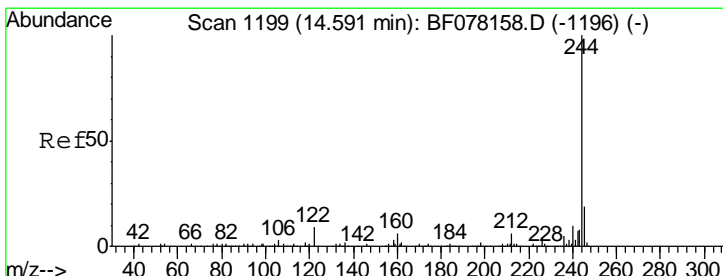
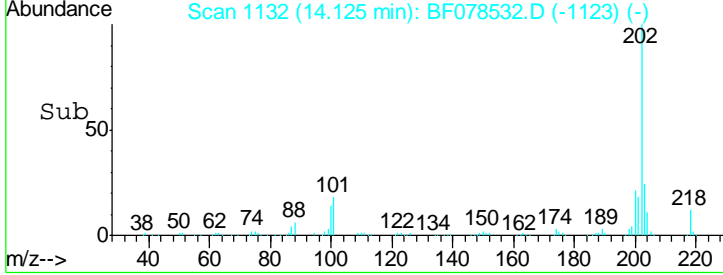
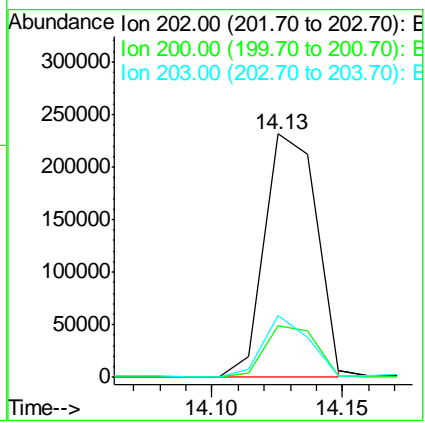
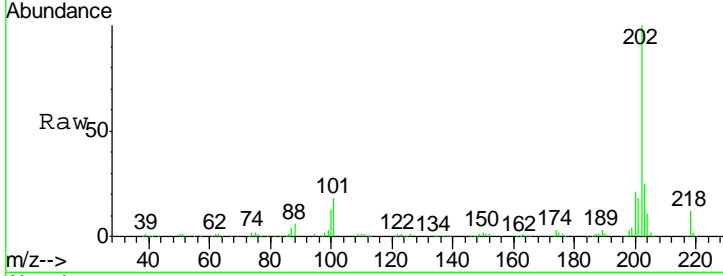


#77  
 Pyrene  
 Concen: 35.34 ng  
 RT: 14.13 min Scan# 1132  
 Delta R.T. 0.00 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 SP-4DL

Tgt Ion: 202 Resp: 322584

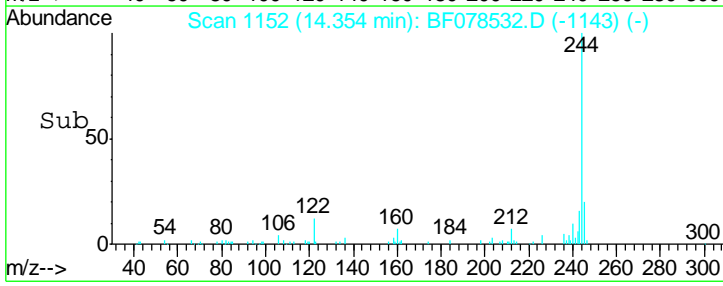
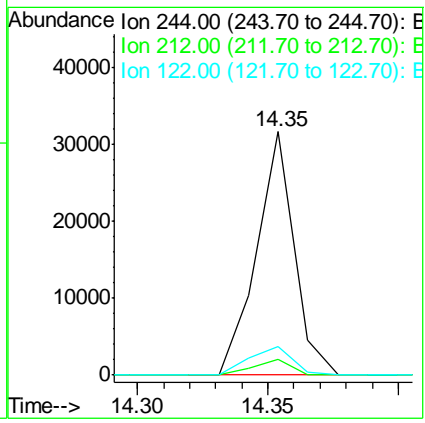
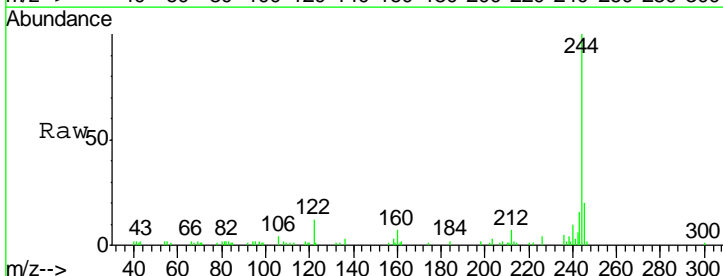
Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.3	24.5
203	25.4	13.8	20.6

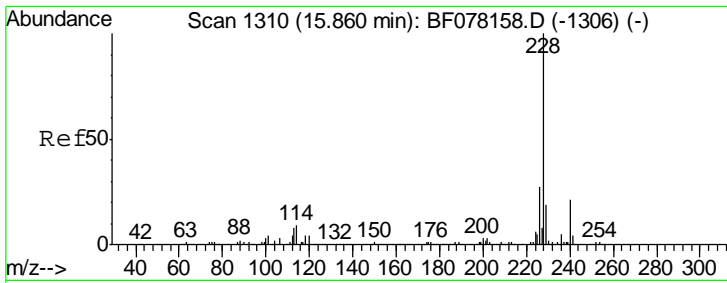


#78  
 Terphenyl-d14  
 Concen: 4.97 ng  
 RT: 14.35 min Scan# 1152  
 Delta R.T. 0.00 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Tgt Ion: 244 Resp: 31953

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.0	7.4
122	11.7	7.1	10.7

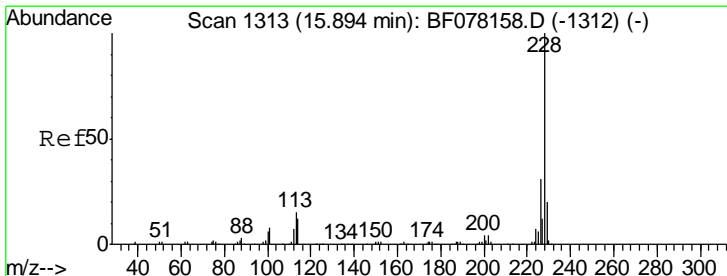
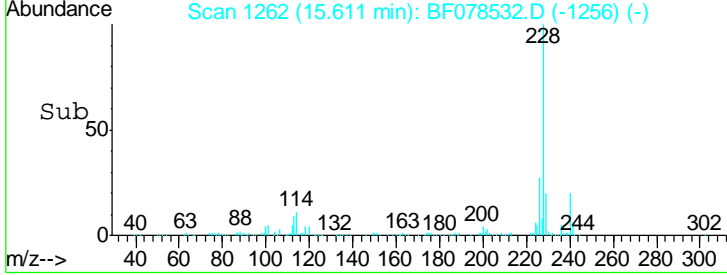
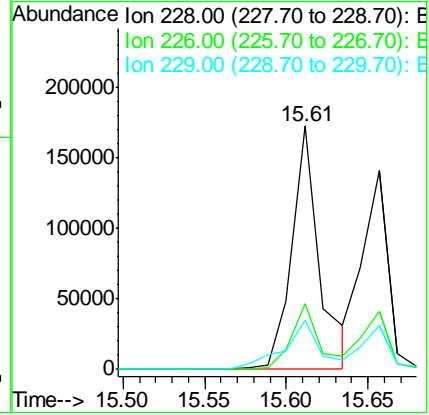
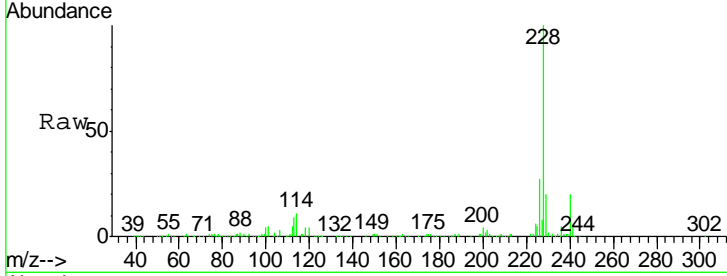




#80  
 Benzo(a)anthracene  
 Concen: 23.89 ng  
 RT: 15.61 min Scan# 1262  
 Delta R.T. -0.03 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

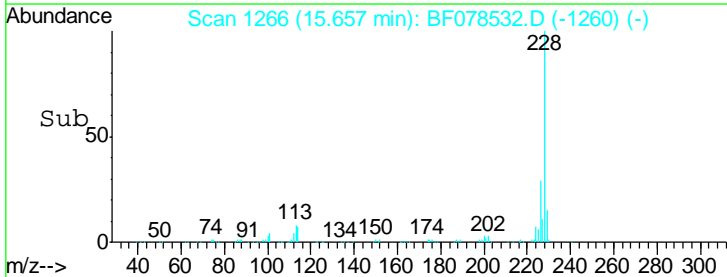
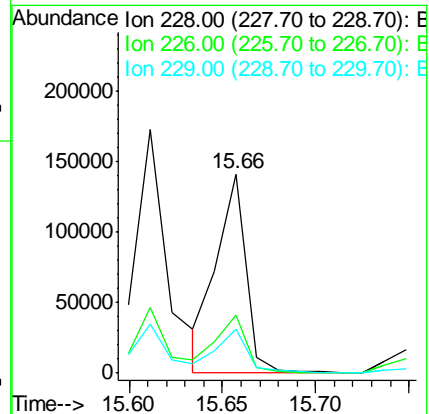
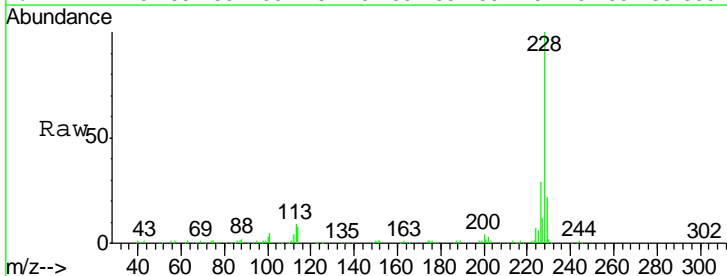
Instrument :  
 BNA\_F  
 ClientSampled :  
 SP-4DL

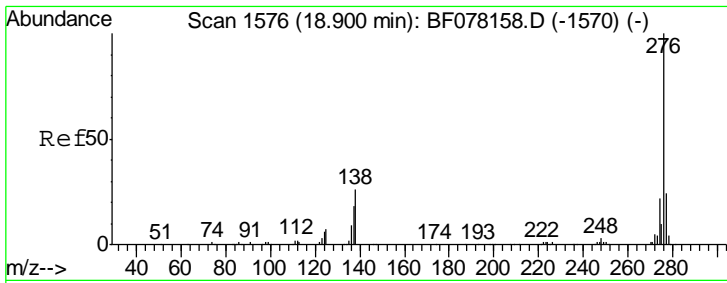
Tgt Ion	Resp	Lower	Upper
228	206663		
226	27.2	21.3	31.9
229	20.1	15.4	23.2



#82  
 Chrysene  
 Concen: 19.09 ng  
 RT: 15.66 min Scan# 1266  
 Delta R.T. -0.03 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Tgt Ion	Resp	Lower	Upper
228	155155		
226	29.3	24.2	36.4
229	22.3	15.8	23.8

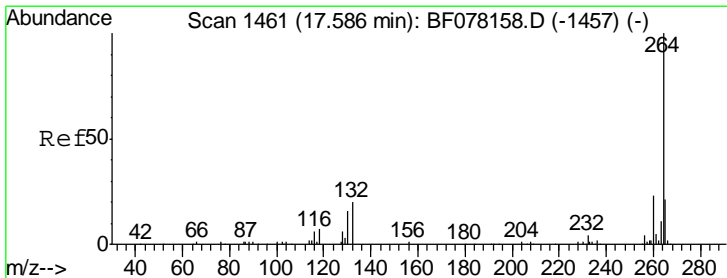
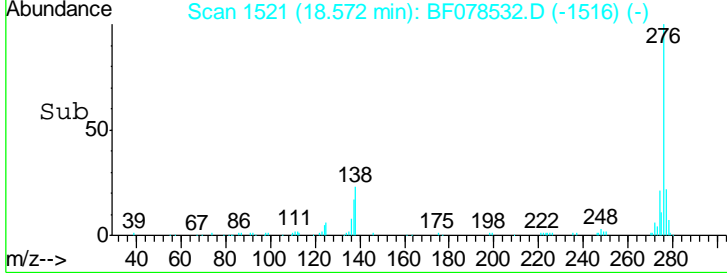
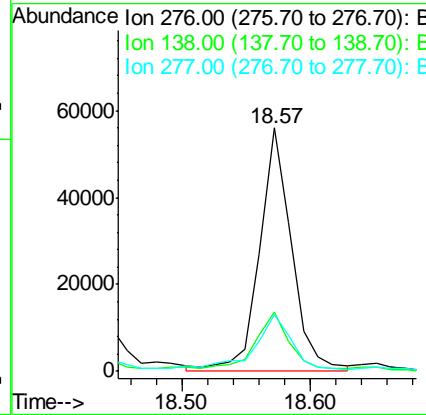
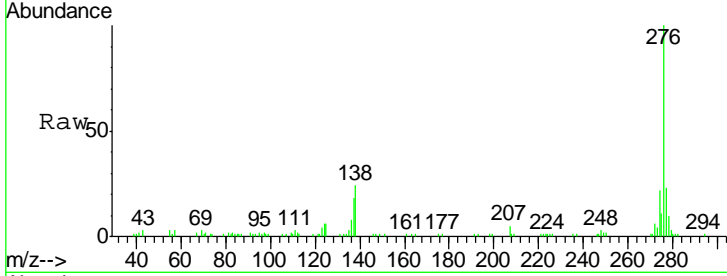




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 10.34 ng m  
 RT: 18.57 min Scan# 1521  
 Delta R.T. -0.24 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

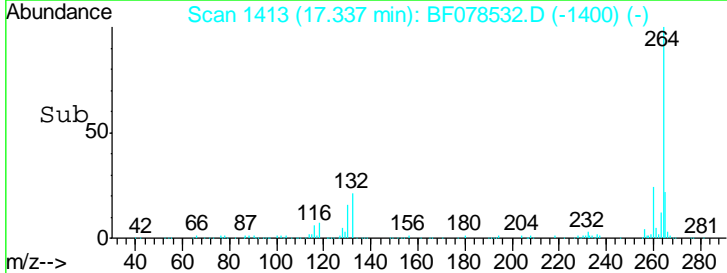
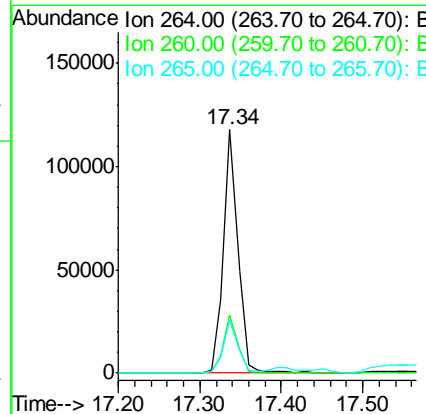
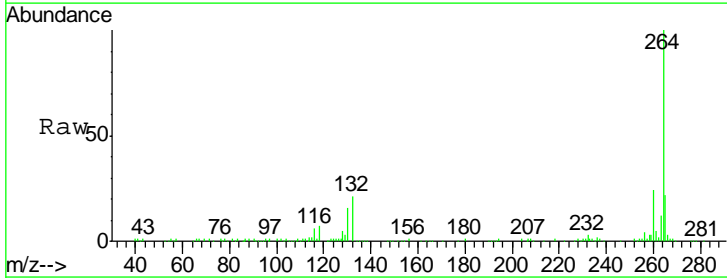
Instrument :  
 BNA\_F  
 ClientSampled :  
 SP-4DL

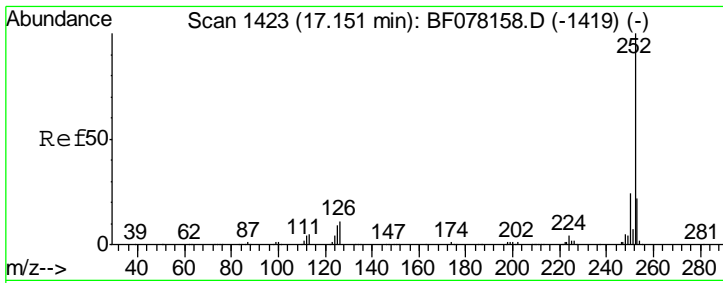
Tgt Ion	Resp	Lower	Upper
276	100		
138	5.3	16.9	25.3#
277	5.1	15.8	23.6#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.34 min Scan# 1413  
 Delta R.T. -0.15 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Tgt Ion	Resp	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	22.0	17.0	25.6

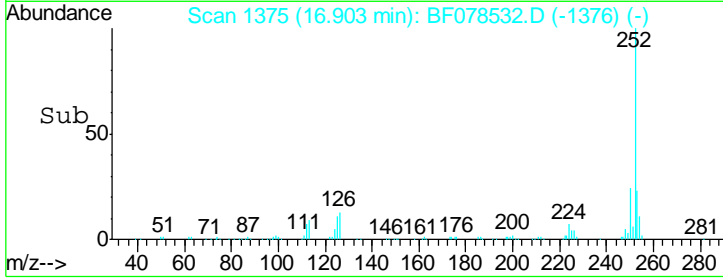
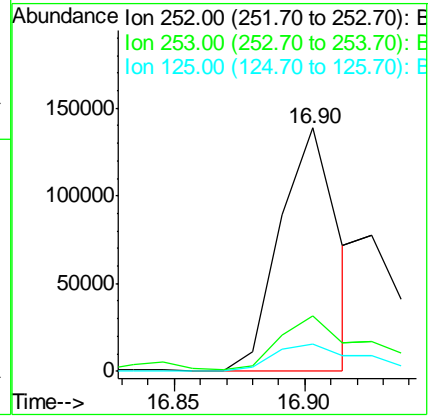
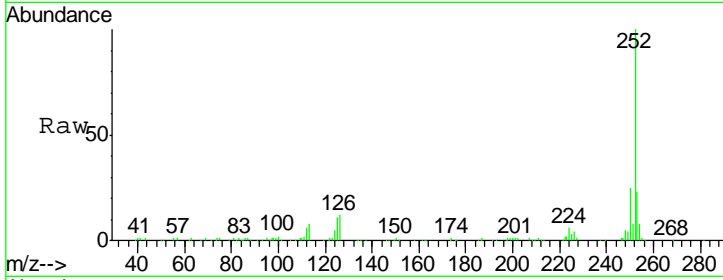




#87  
 Benzo(b)fluoranthene  
 Concen: 23.36 ng  
 RT: 16.90 min Scan# 1375  
 Delta R.T. -0.11 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

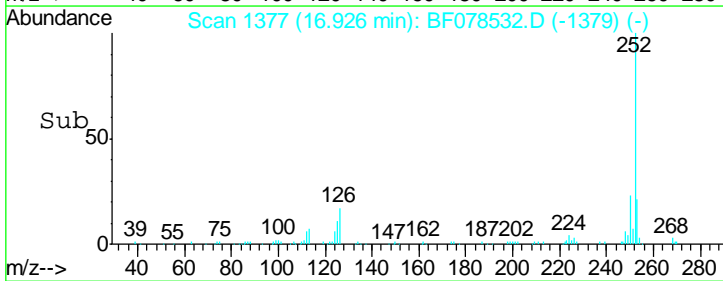
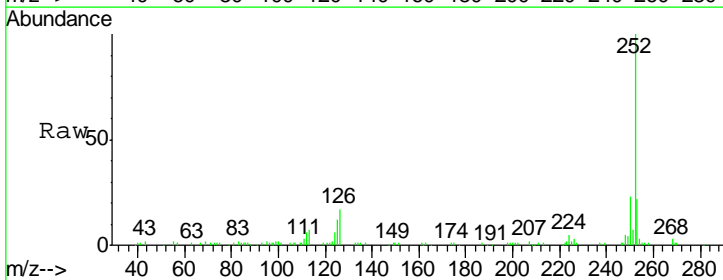
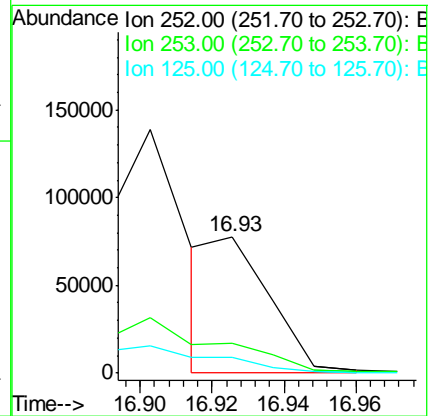
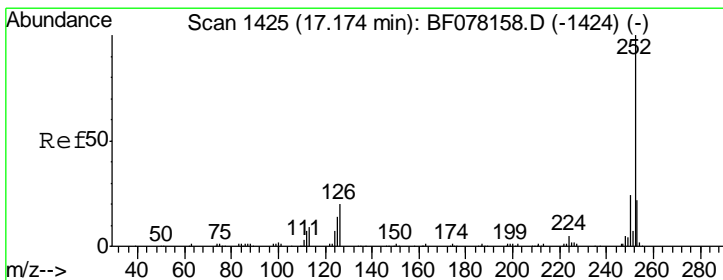
Instrument :  
 BNA\_F  
 ClientSampled :  
 SP-4DL

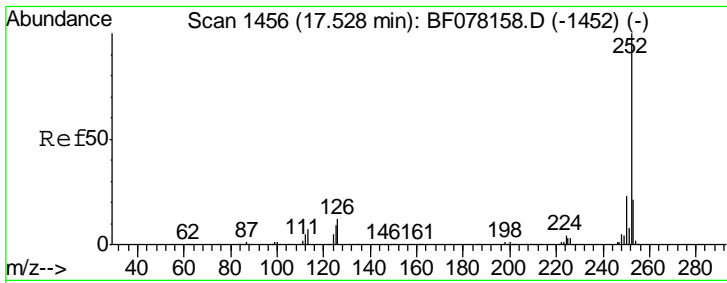
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	11.4	7.0	10.4



#88  
 Benzo(k)fluoranthene  
 Concen: 10.59 ng m  
 RT: 16.93 min Scan# 1377  
 Delta R.T. -0.13 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	11.6	11.6	17.4

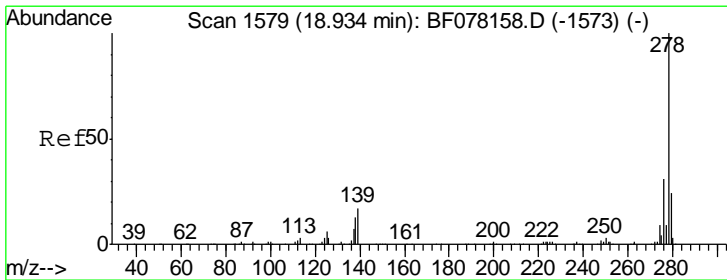
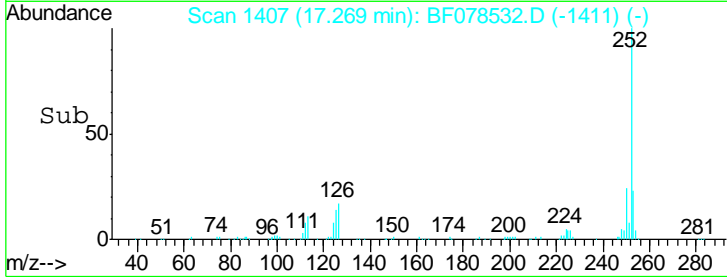
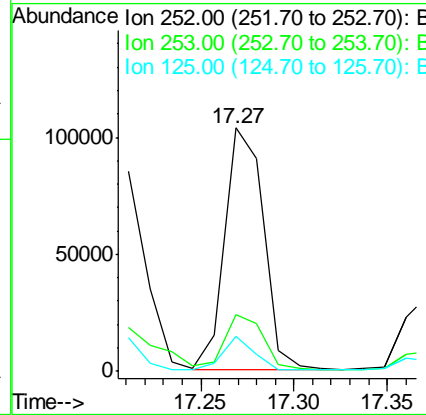
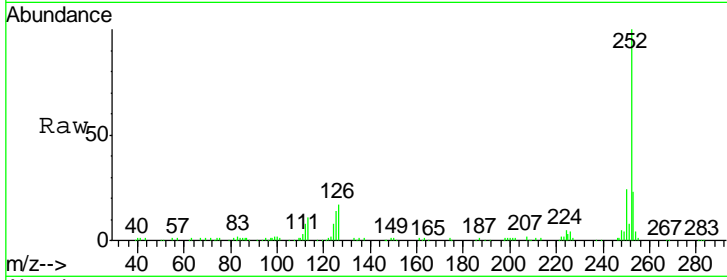




#89  
 Benzo(a)pyrene  
 Concen: 18.75 ng  
 RT: 17.27 min Scan# 1407  
 Delta R.T. -0.15 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

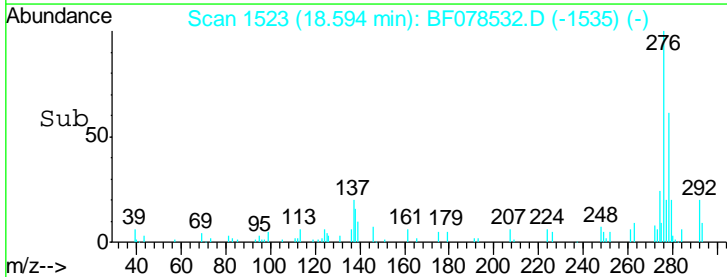
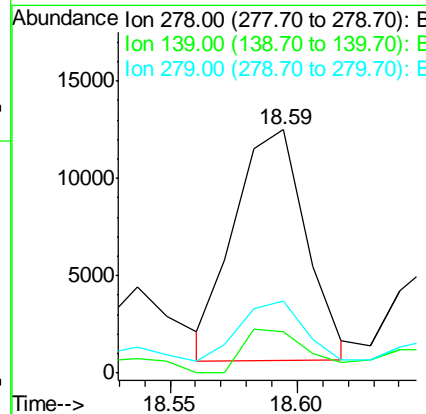
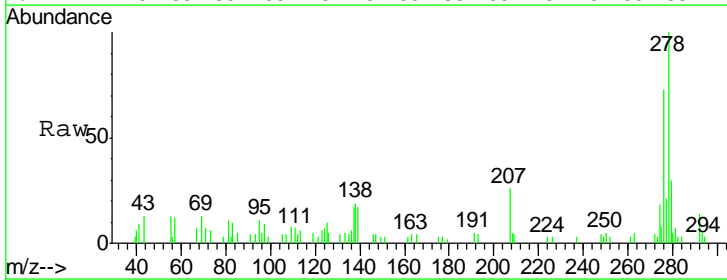
Instrument :  
 BNA\_F  
 ClientSampleID :  
 SP-4DL

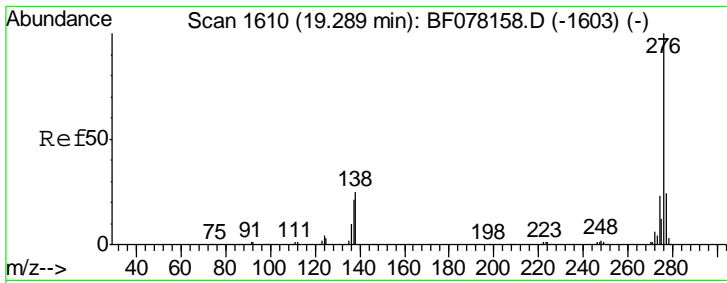
Tgt Ion	Resp	Lower	Upper
252	148823		
253	23.4	16.8	25.2
125	14.4	7.4	11.0



#90  
 Dibenzo(a,h)anthracene  
 Concen: 2.91 ng m  
 RT: 18.59 min Scan# 1523  
 Delta R.T. -0.24 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Tgt Ion	Resp	Lower	Upper
278	23095		
139	16.7	13.6	20.4
279	29.6	19.0	28.6





#91  
 Benzo(g,h,i)perylene  
 Concen: 11.35 ng m  
 RT: 18.91 min Scan# 1551  
 Delta R.T. -0.24 min  
 Lab File: BF078532.D  
 Acq: 15 Apr 2015 9:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-4DL

Tgt Ion	Resp	Lower	Upper
276	90391		
277	24.2	19.0	28.4
138	24.0	19.9	29.9

