

Data Path : Z:\HPCHEM1\BNA F\Data\BF032717\
 Data File : BF093943.D
 Acq On : 27 Mar 2017 14:43
 Operator : SJ/MA
 Sample : I2367-03DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-SSWDL

Quant Time: Mar 27 16:39:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.95	152	193218	20.00	ng	0.00
21) Naphthalene-d8	7.45	136	780612	20.00	ng	0.00
38) Acenaphthene-d10	9.60	164	338705	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	541589	20.00	ng	0.00
75) Chrysene-d12	14.68	240	346529	20.00	ng	0.00
86) Perylene-d12	16.32	264	326016	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.48	112	672366	58.77	ng	0.00
7) Phenol-d6	5.55	99	866401	61.22	ng	0.00
23) Nitrobenzene-d5	6.59	82	465189	34.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	134629	50.30	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	959934	43.23	ng	0.00
78) Terphenyl-d14	13.40	244	584468	37.81	ng	0.00

Target Compounds

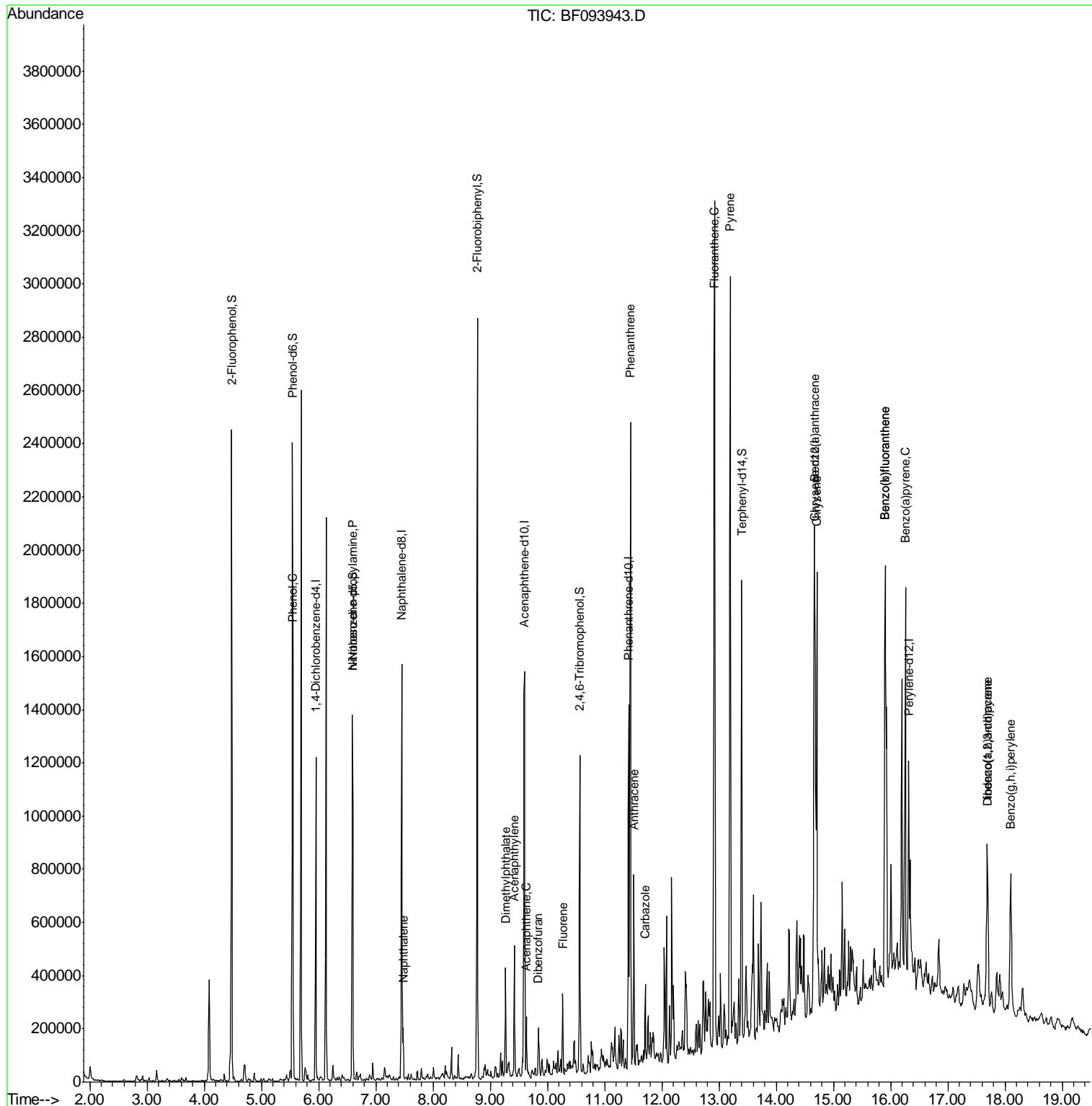
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	5.56	94	34065	2.12	ng	93
19) n-Nitroso-di-n-propylamine	6.59	70	62522	6.87	ng	# 78
31) Naphthalene	7.48	128	85871	2.29	ng	98
48) Acenaphthylene	9.42	152	226604	6.38	ng	99
49) Dimethylphthalate	9.27	163	159447	6.62	ng	99
51) Acenaphthene	9.63	154	45949	2.22	ng	98
54) Dibenzofuran	9.85	168	61610	2.18	ng	97
57) Fluorene	10.27	166	78446	3.35	ng	100
70) Phenanthrene	11.45	178	1047488	34.77	ng	99
71) Anthracene	11.51	178	297583	9.59	ng	99
72) Carbazole	11.71	167	115613	3.63	ng	98
74) Fluoranthene	12.92	202	1599079	51.83	ng	99
77) Pyrene	13.20	202	1405780	55.90	ng	100
80) Benzo(a)anthracene	14.67	228	740843	36.66	ng	97
82) Chrysene	14.71	228	684077	36.48	ng	97
85) Indeno(1,2,3-cd)pyrene	17.69	276	399208	24.58	ng	95
87) Benzo(b)fluoranthene	15.91	252	1291980	64.65	ng	# 97
88) Benzo(k)fluoranthene	15.91	252	1291980	66.08	ng	98
89) Benzo(a)pyrene	16.26	252	635900	34.55	ng	98
90) Dibenzo(a,h)anthracene	17.70	278	109445	7.02	ng	95
91) Benzo(q,h,i)perylene	18.10	276	373031	23.75	ng	97

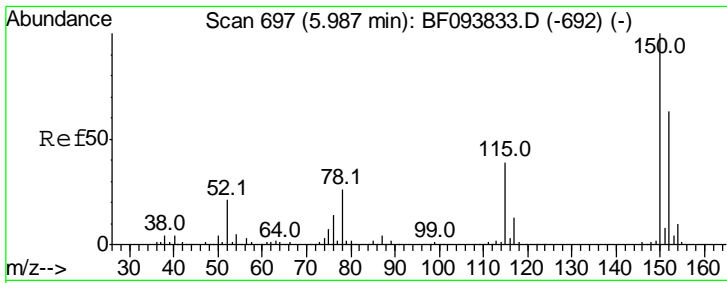
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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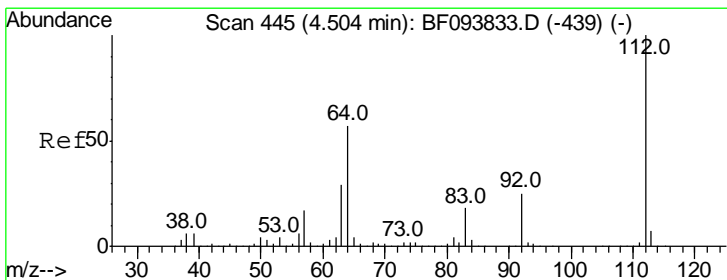
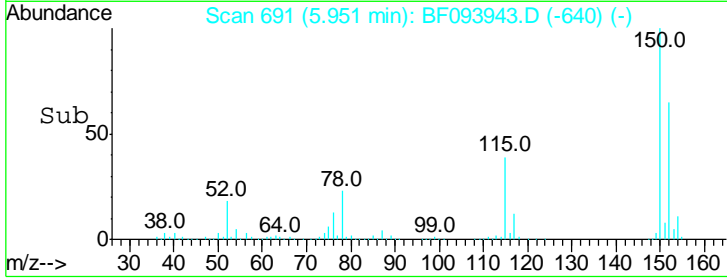
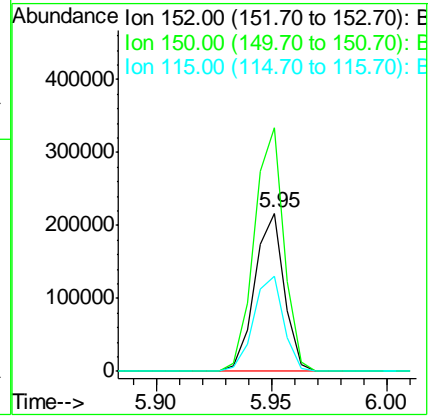
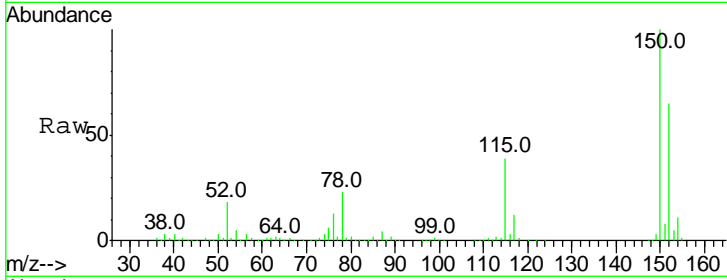


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.95 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Instrument :
 BNA_F
ClientSampled :
 E2-R14-SSWDL

Tot Ion:152 Resp: 193218

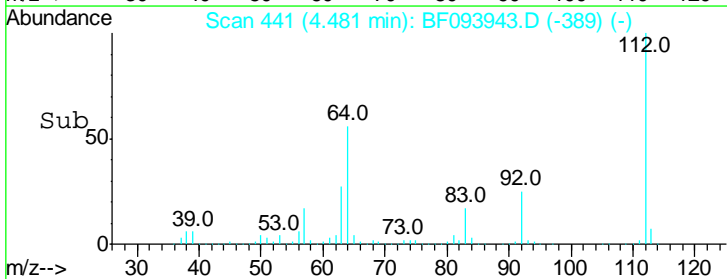
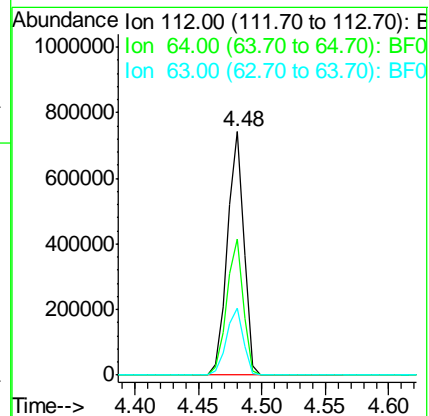
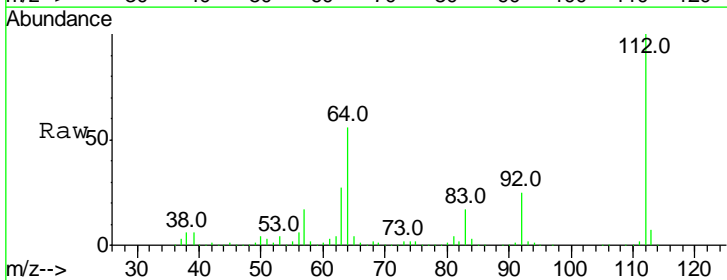
Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.2	189.2
115	60.1	52.2	78.2

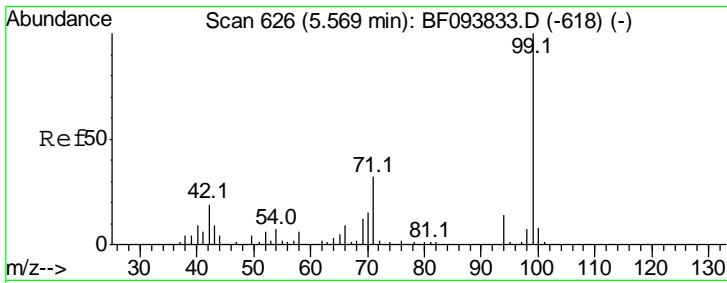


#5
 2-Fluorophenol
 Concen: 58.77 ng
 RT: 4.48 min Scan# 441
 Delta R.T. 0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion:112 Resp: 672366

Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.0	69.0
63	27.4	23.4	35.0

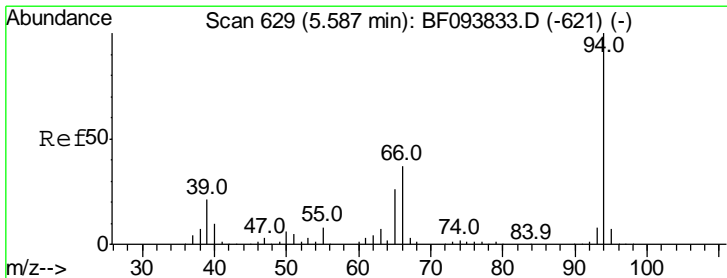
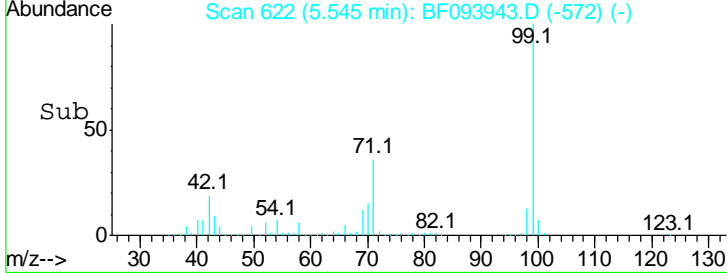
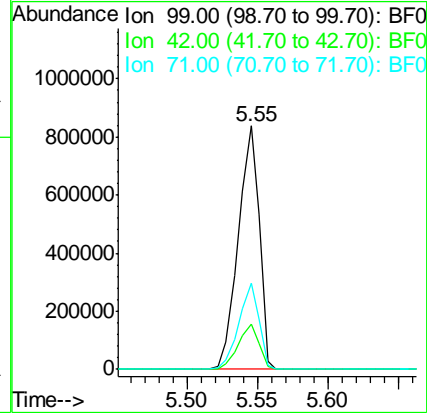
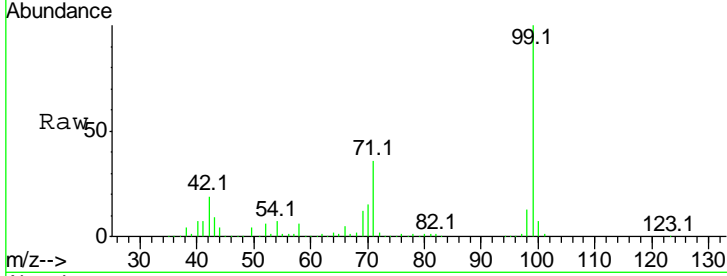




#7
 Phenol-d6
 Concen: 61.22 ng
 RT: 5.55 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

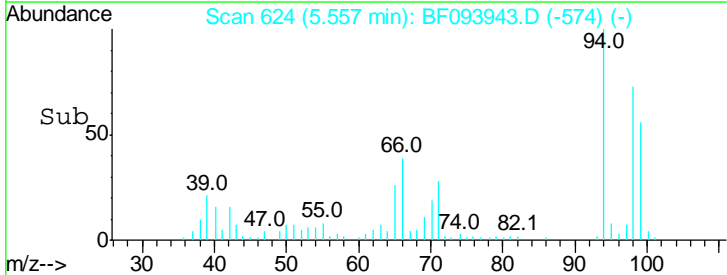
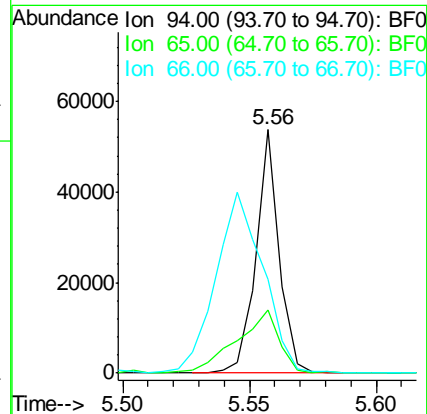
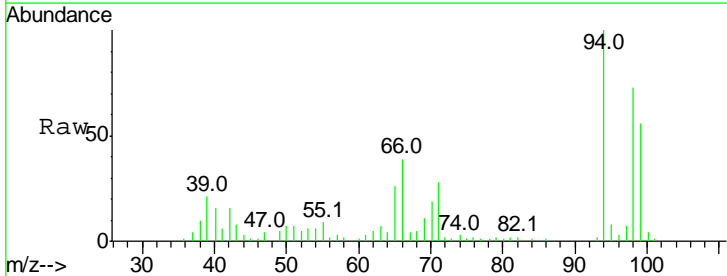
Instrument :
 BNA_F
 ClientSampled :
 E2-R14-SSWDL

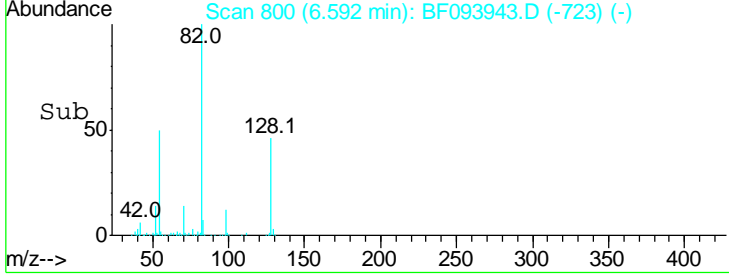
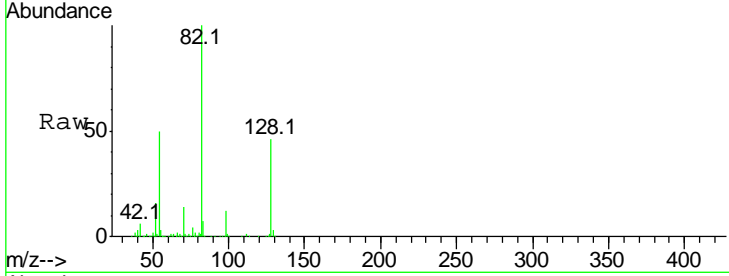
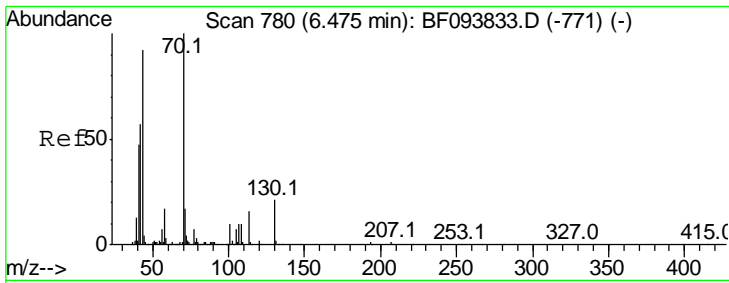
Tgt Ion	Resp	Lower	Upper
99	100		
42	18.6	13.5	20.3
71	35.6	24.5	36.7



#10
 Phenol
 Concen: 2.12 ng
 RT: 5.56 min Scan# 624
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion	Resp	Lower	Upper
94	100		
65	26.2	9.9	49.9
66	38.7	23.1	63.1

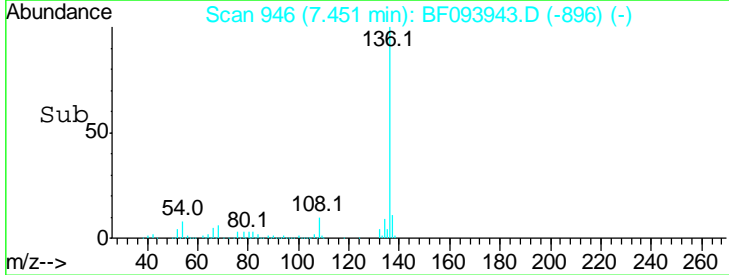
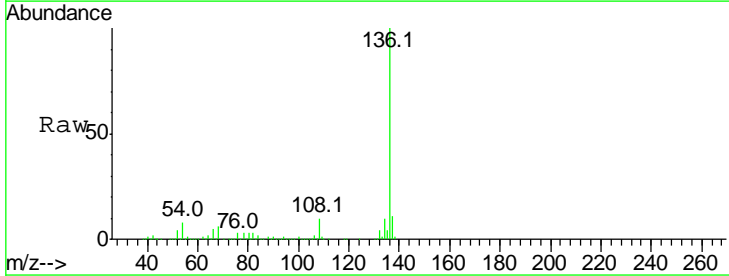
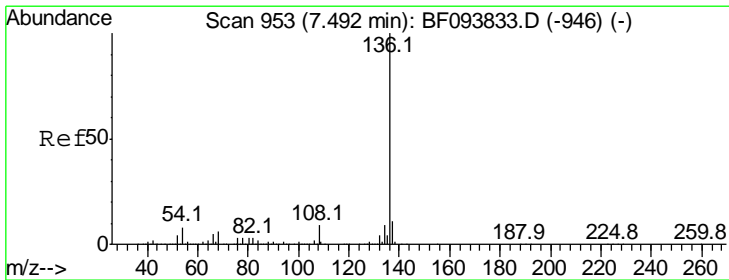
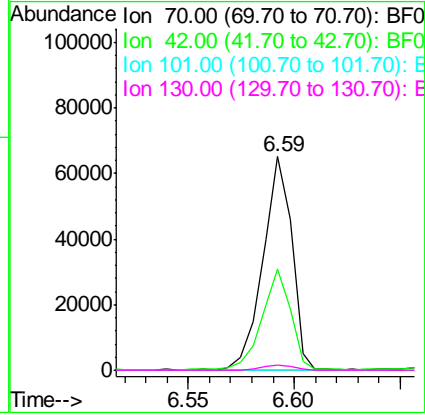




#19
 n-Nitroso-di-n-propylamine
 Concen: 6.87 ng
 RT: 6.59 min Scan# 800
 Delta R.T. 0.15 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

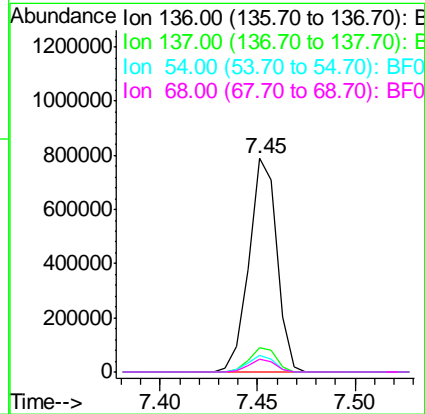
Instrument :
 BNA_F
ClientSampled :
 E2-R14-SSWDL

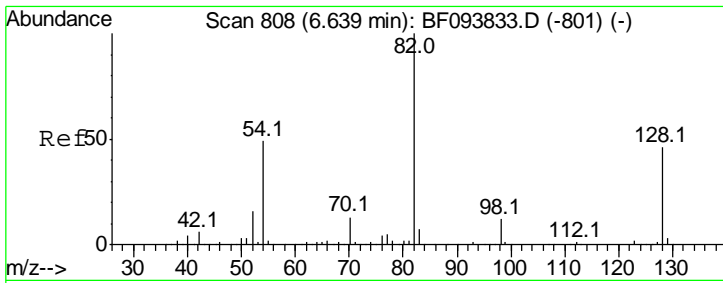
Tgt Ion	Resp	Lower	Upper
70	100		
42	47.2	47.2	70.8#
101	0.0	7.2	10.8#
130	2.5	15.9	23.9#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.45 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion	Resp	Lower	Upper
136	100		
137	11.5	8.5	12.7
54	7.8	4.9	7.3#
68	6.2	4.1	6.1#

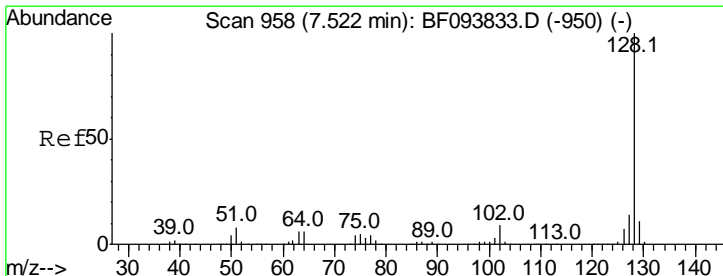
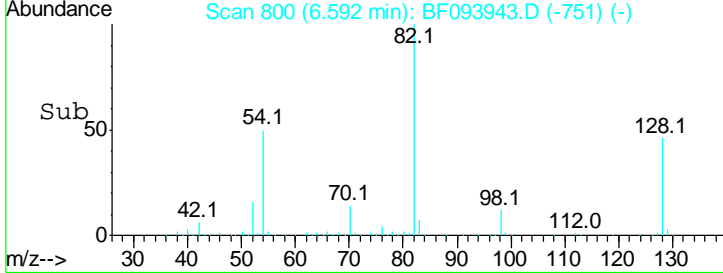
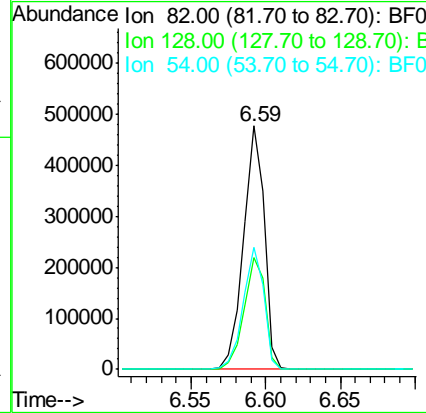
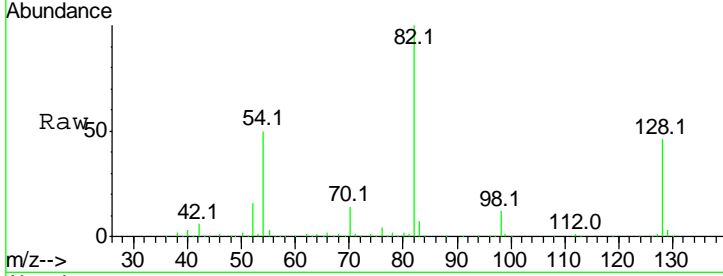




#23
 Nitrobenzene-d5
 Concen: 34.01 ng
 RT: 6.59 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

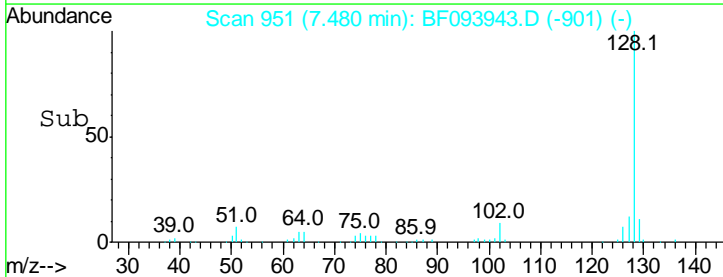
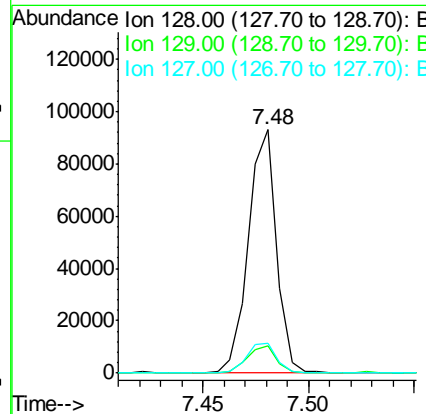
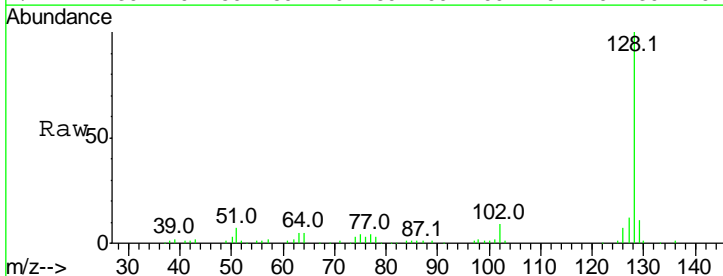
Instrument :
 BNA_F
ClientSampled :
 E2-R14-SSWDL

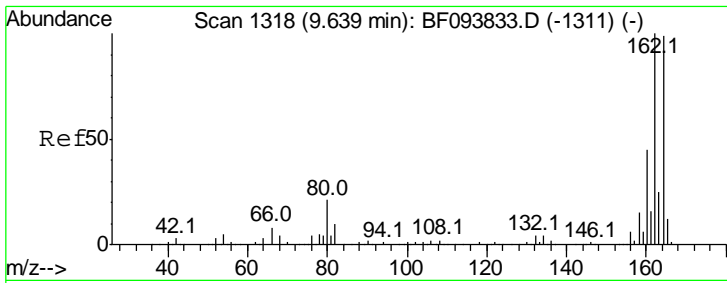
Tgt Ion	Resp	Lower	Upper
82	465189		
128	45.8	34.0	51.0
54	50.1	42.2	63.2



#31
 Naphthalene
 Concen: 2.29 ng
 RT: 7.48 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion	Resp	Lower	Upper
128	85871		
129	11.1	9.0	13.6
127	12.0	10.8	16.2

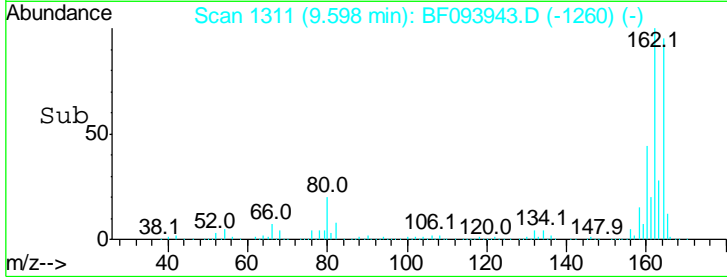
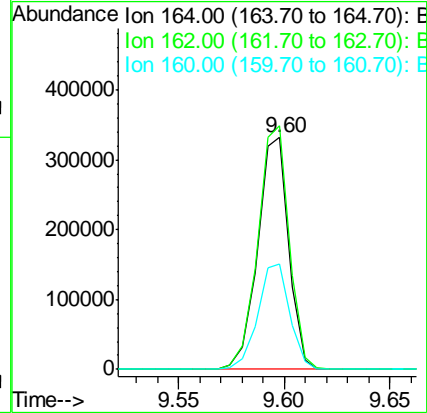
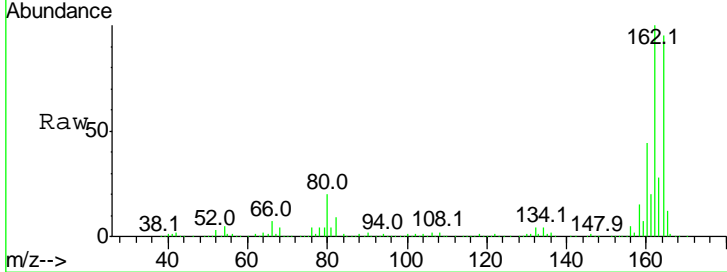




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.60 min Scan# 1311
 Delta R.T. -0.00 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

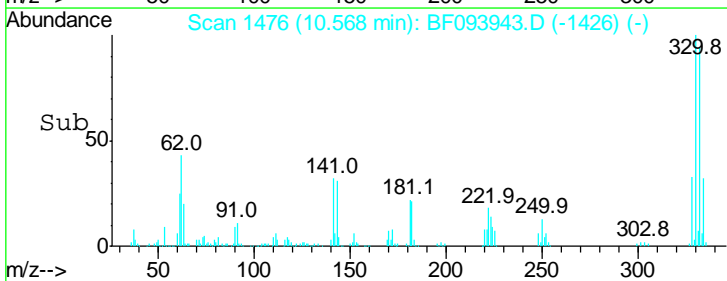
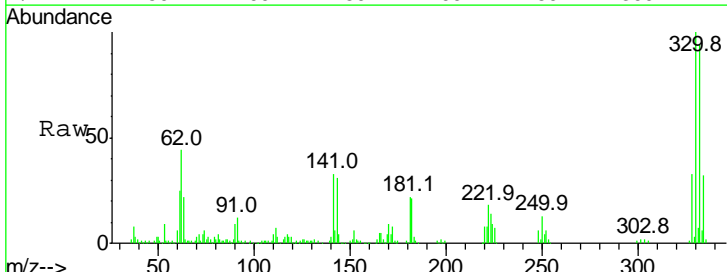
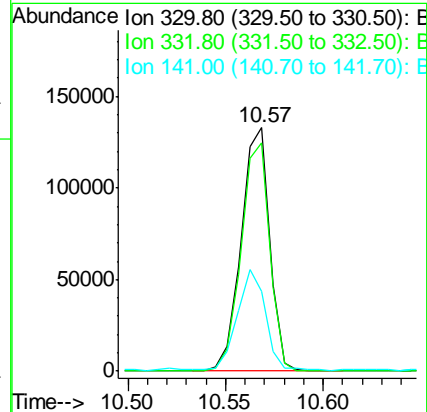
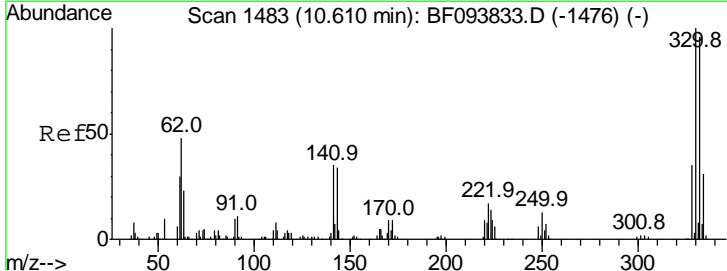
Instrument :
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 ClientSampleId :
 E2-R14-SSWDL

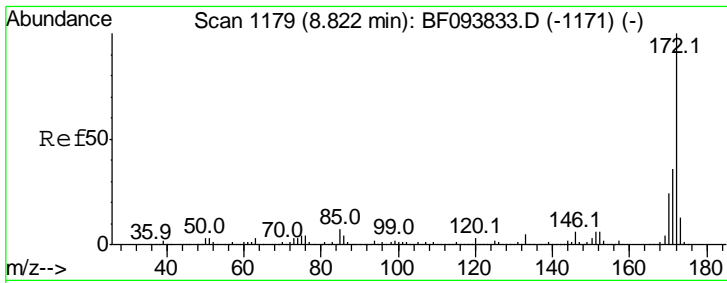
Tgt Ion	Resp	Lower	Upper
164	100		
162	105.0	82.6	123.8
160	45.7	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 50.30 ng
 RT: 10.57 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion	Resp	Lower	Upper
330	100		
332	94.0	76.6	115.0
141	40.5	31.4	47.2



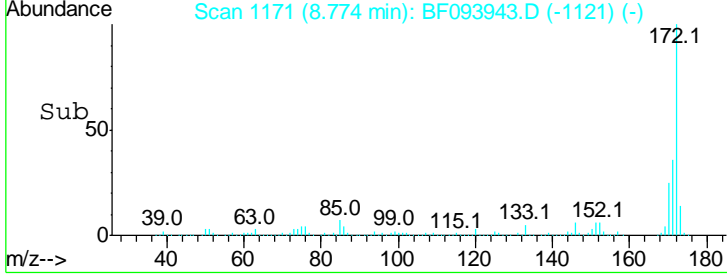
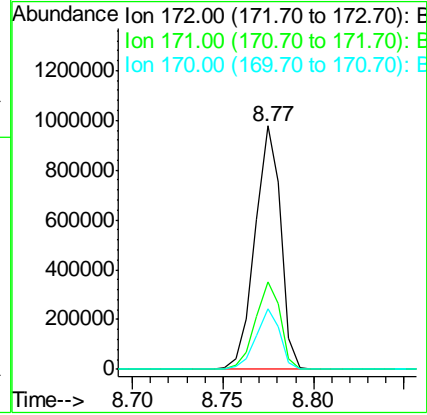
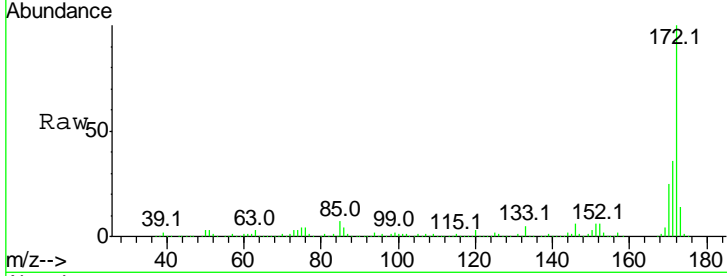


#44
 2-Fluorobiphenyl
 Concen: 43.23 ng
 RT: 8.77 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Instrument :
 BNA_F
ClientSampled :
 E2-R14-SSWDL

Tgt Ion:172 Resp: 959934

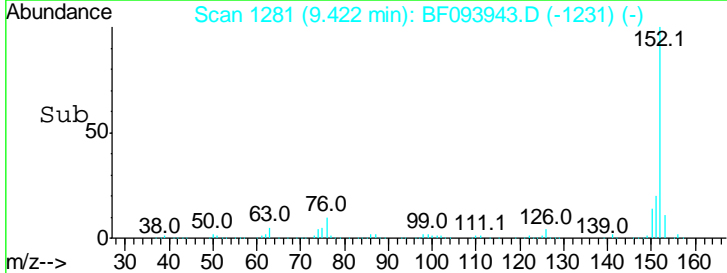
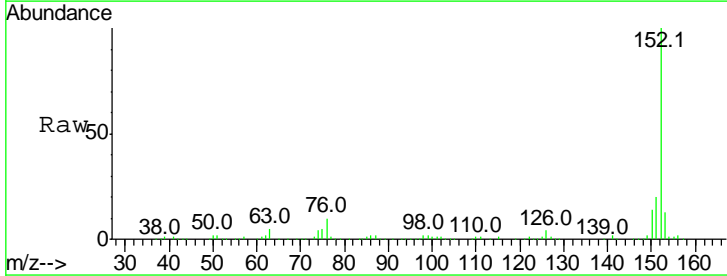
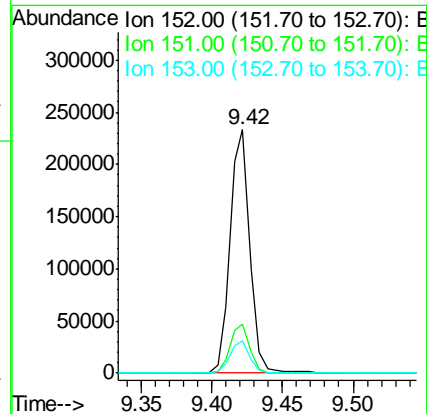
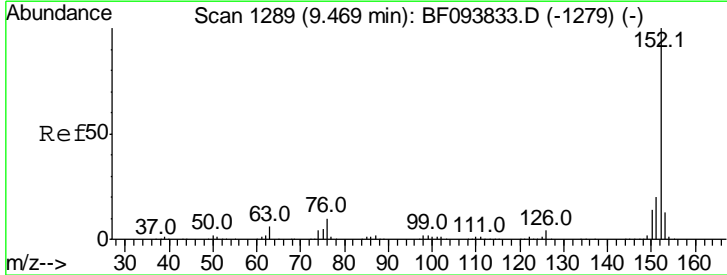
Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.7	19.8	29.8

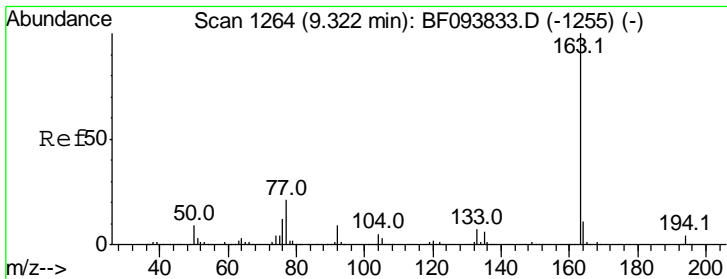


#48
 Acenaphthylene
 Concen: 6.38 ng
 RT: 9.42 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion:152 Resp: 226604

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.8	25.2
153	13.3	10.8	16.2



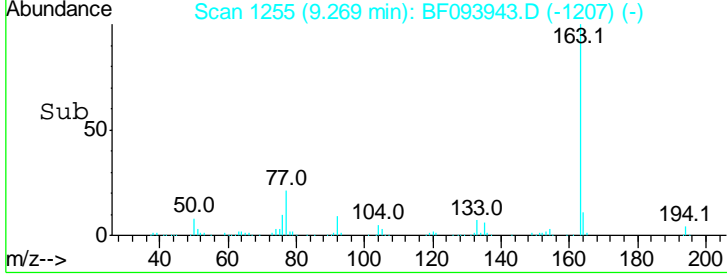
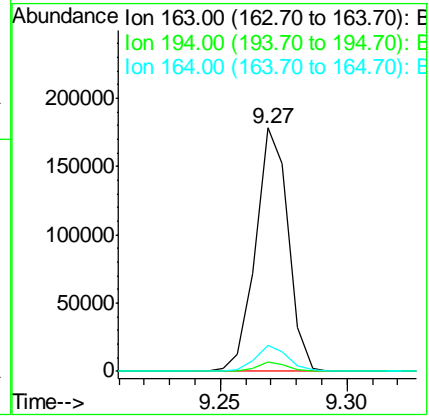
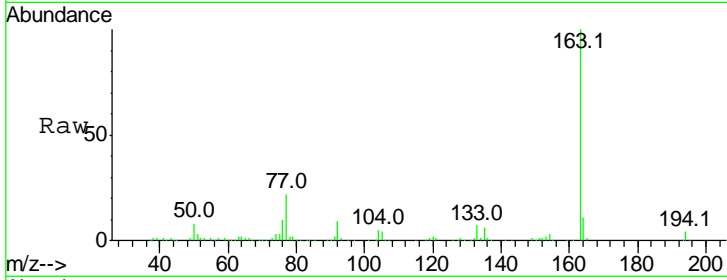


#49
 Dimethylphthalate
 Concen: 6.62 ng
 RT: 9.27 min Scan# 1255
 Delta R.T. -0.02 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Instrument :
 BNA_F
ClientSampleId :
 E2-R14-SSWDL

Tgt Ion:163 Resp: 159447

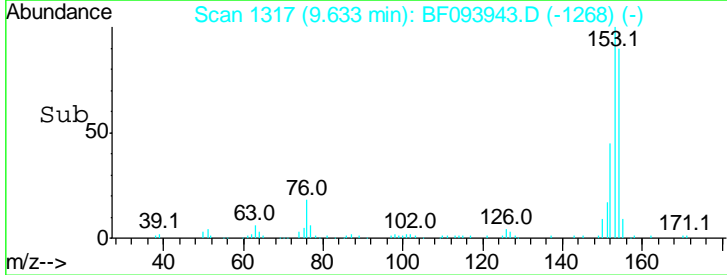
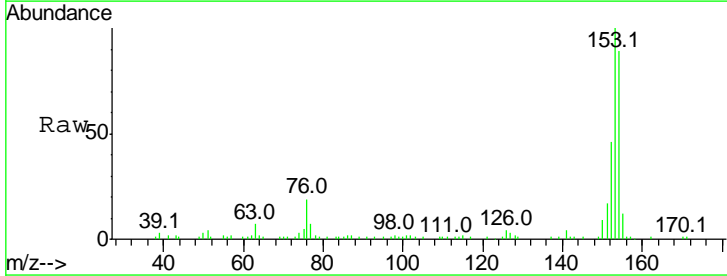
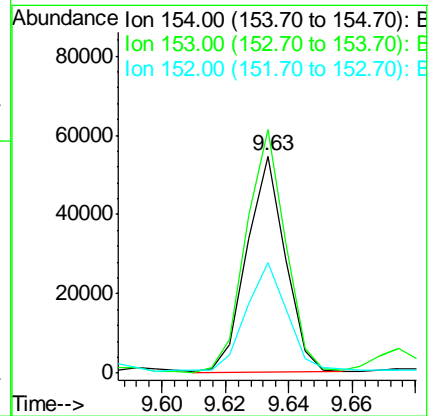
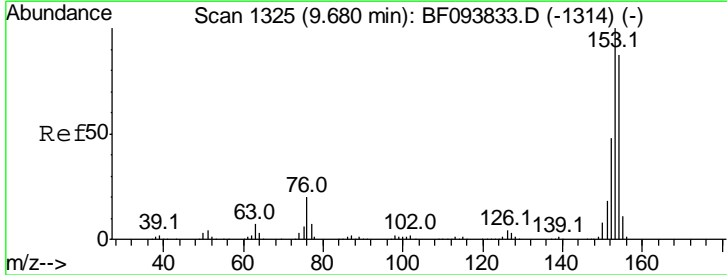
Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	4.0
164	10.5	8.4	12.6

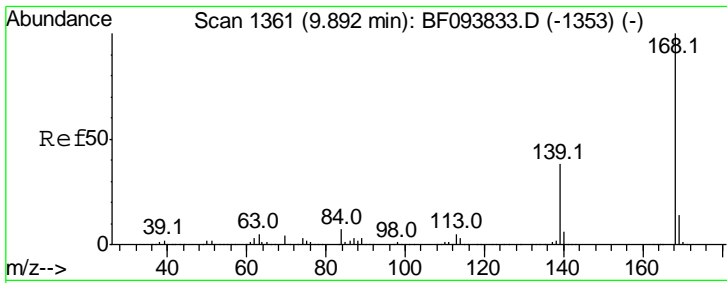


#51
 Acenaphthene
 Concen: 2.22 ng
 RT: 9.63 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion:154 Resp: 45949

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.5	135.7
152	51.1	43.6	65.4

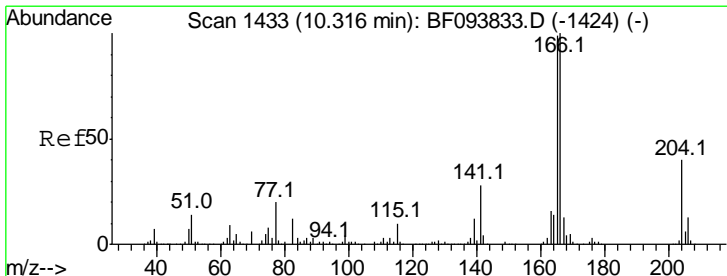
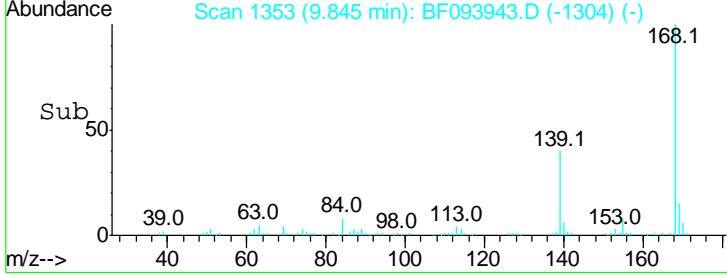
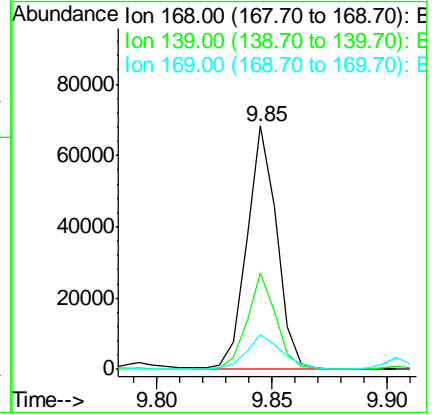
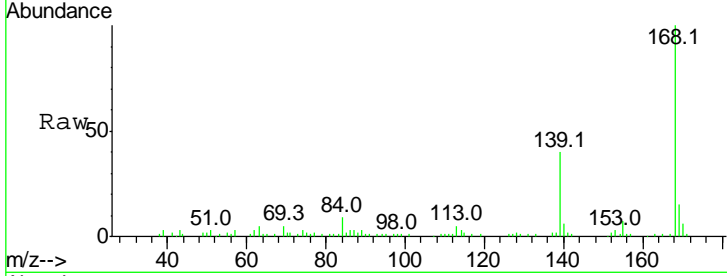




#54
 Dibenzofuran
 Concen: 2.18 ng
 RT: 9.85 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

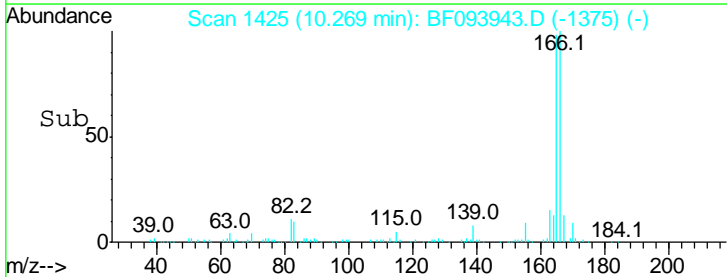
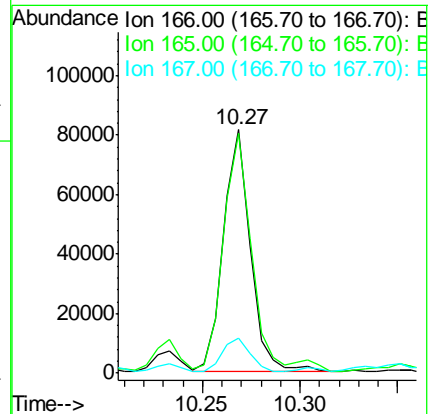
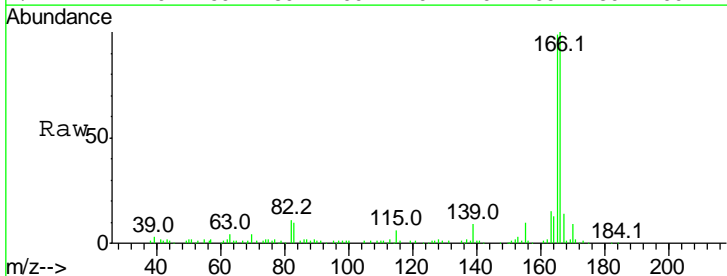
Instrument :
 BNA_F
 ClientSampled :
 E2-R14-SSWDL

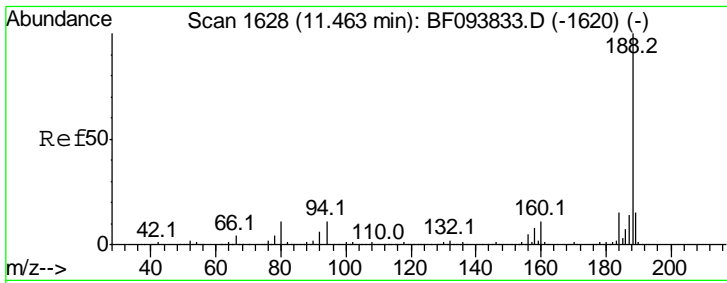
Tgt Ion	Resp	Lower	Upper
168	100		
139	39.8	30.6	45.8
169	14.5	10.8	16.2



#57
 Fluorene
 Concen: 3.35 ng
 RT: 10.27 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion	Resp	Lower	Upper
166	100		
165	98.7	78.8	118.2
167	14.4	10.6	16.0

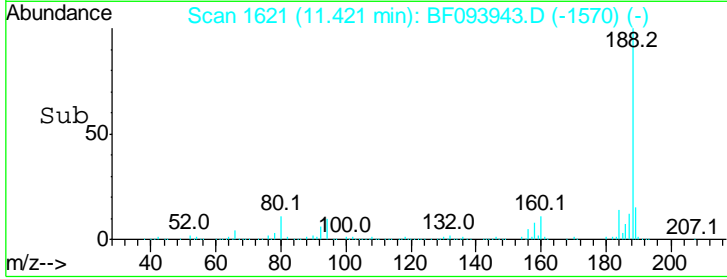
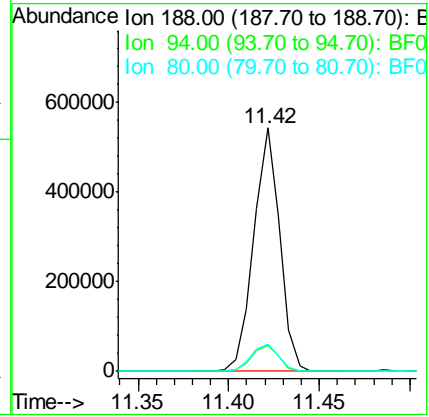
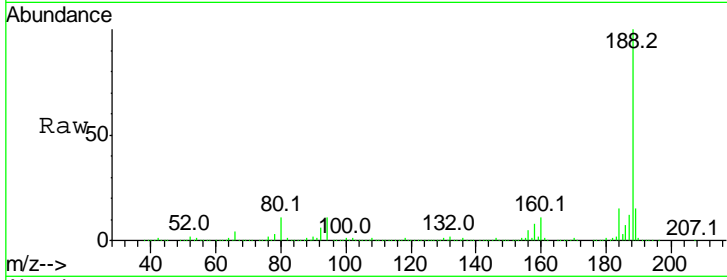




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

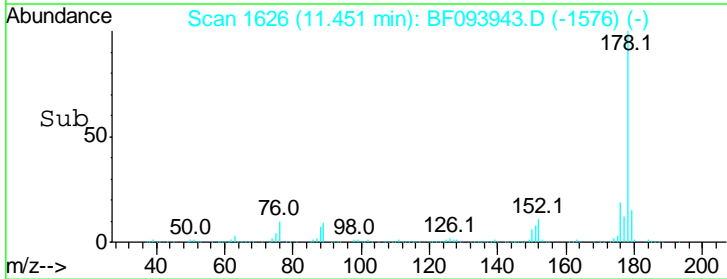
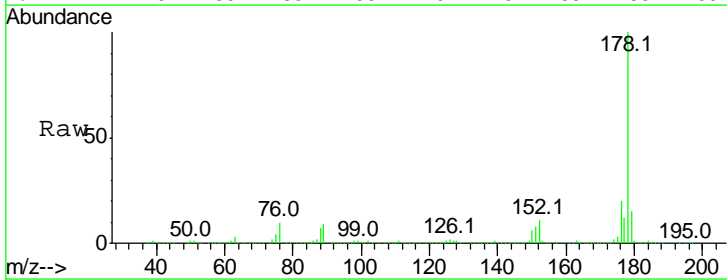
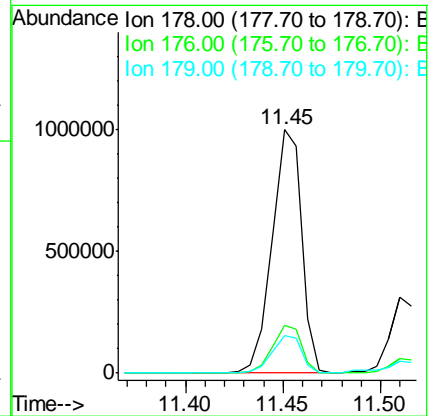
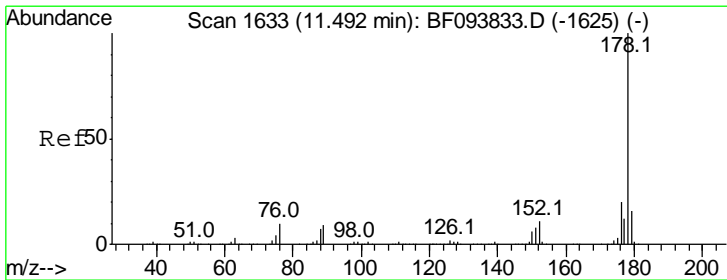
Instrument :
 BNA_F
ClientSampled :
 E2-R14-SSWDL

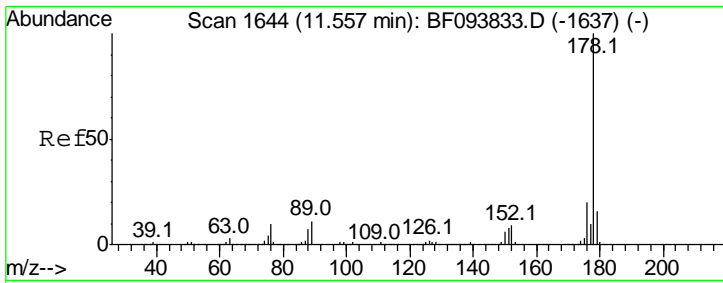
Tgt Ion	Resp	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	11.5	10.2	15.2



#70
 Phenanthrene
 Concen: 34.77 ng
 RT: 11.45 min Scan# 1626
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion	Resp	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.5	12.6	19.0

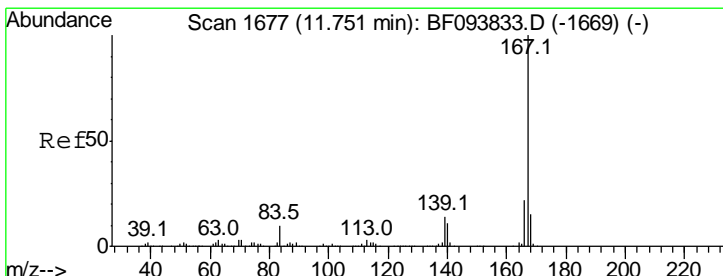
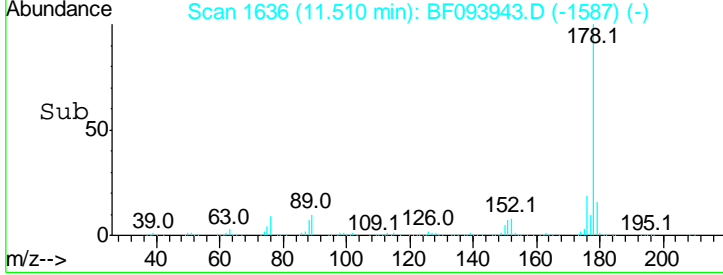
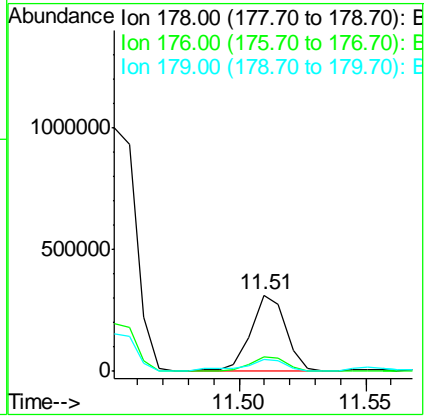
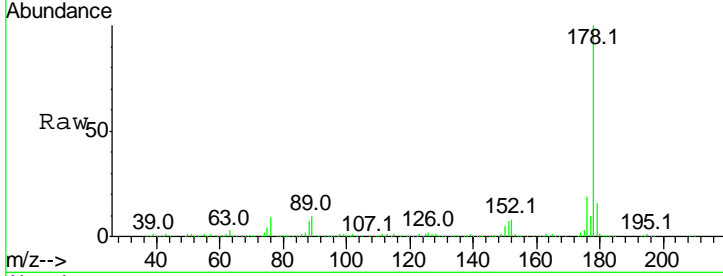




#71
 Anthracene
 Concen: 9.59 ng
 RT: 11.51 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

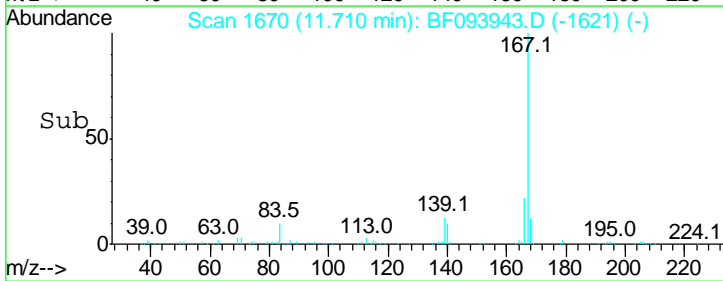
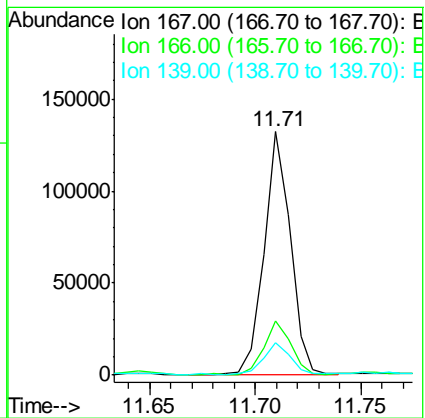
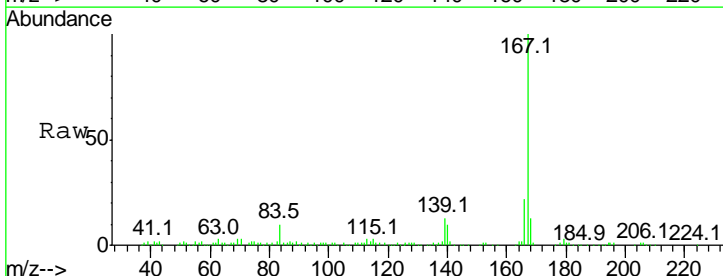
Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-SSWDL

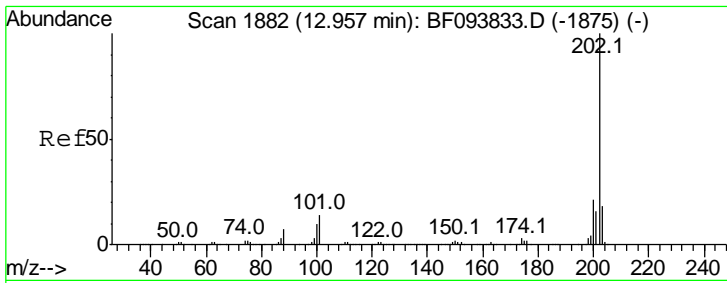
Tgt Ion	Resp	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	16.0	12.7	19.1



#72
 Carbazole
 Concen: 3.63 ng
 RT: 11.71 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion	Resp	Lower	Upper
167	100		
166	22.1	18.1	27.1
139	13.4	11.7	17.5



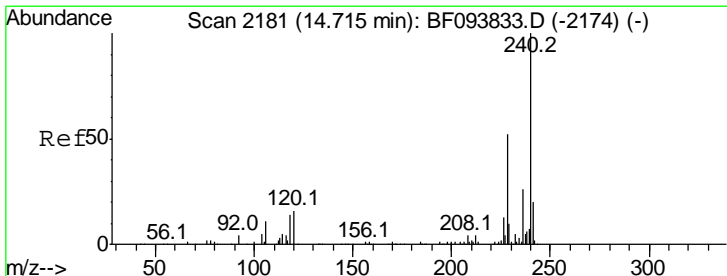
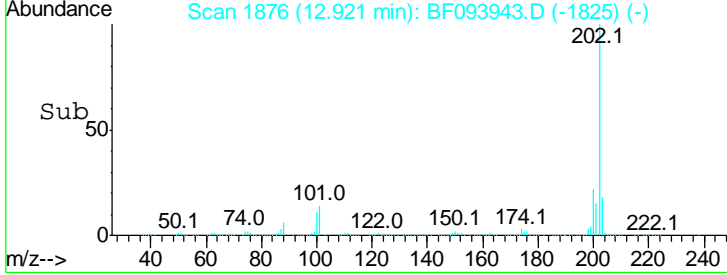
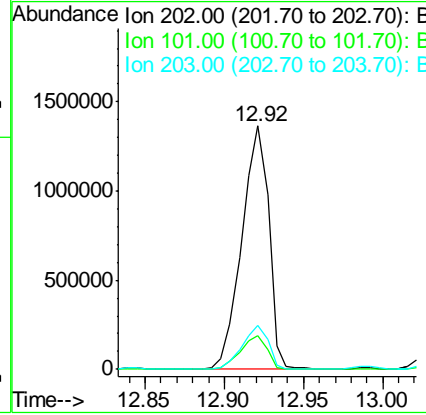
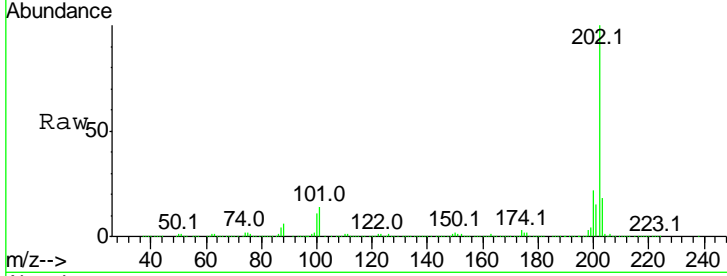


#74
 Fluoranthene
 Concen: 51.83 ng
 RT: 12.92 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-SSWDL

Tgt Ion: 202 Resp: 1599079

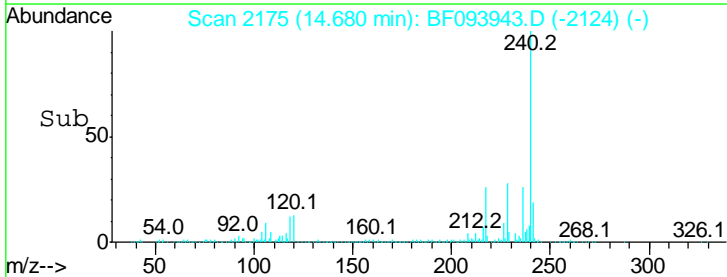
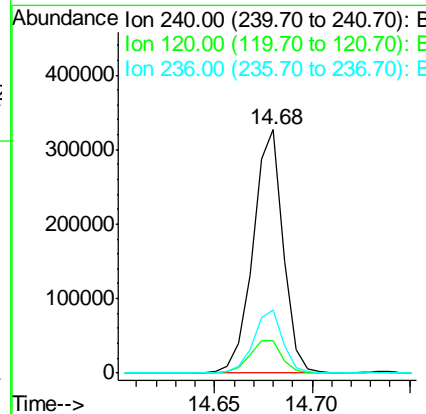
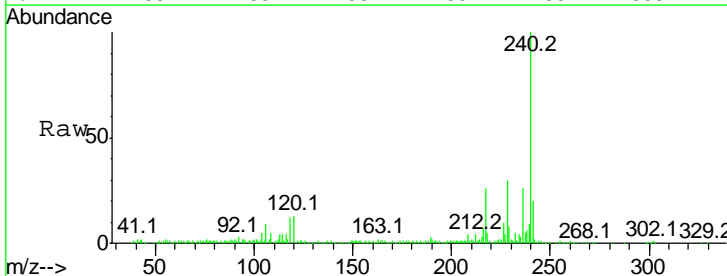
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.9	0.0	38.1

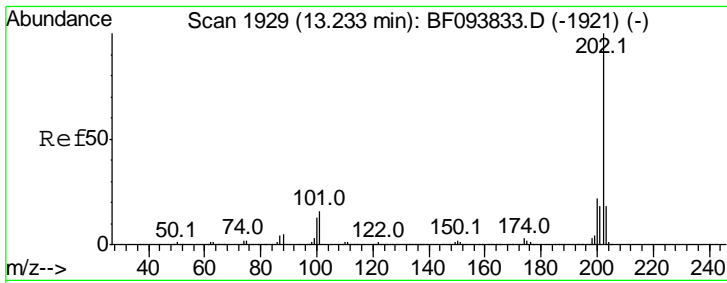


#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.68 min Scan# 2175
 Delta R.T. -0.00 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion: 240 Resp: 346529

Ion	Ratio	Lower	Upper
240	100		
120	13.3	5.8	8.8#
236	25.7	20.5	30.7



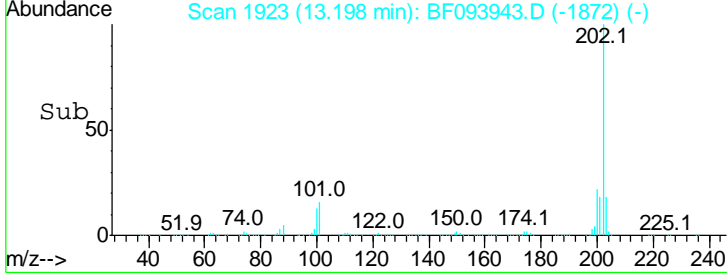
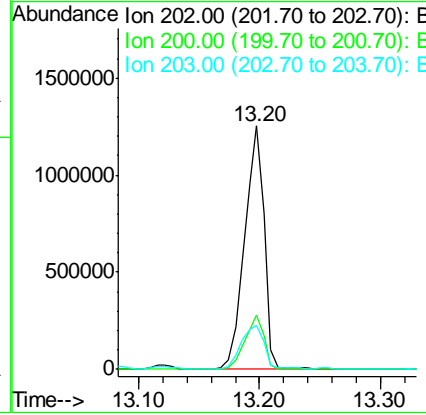
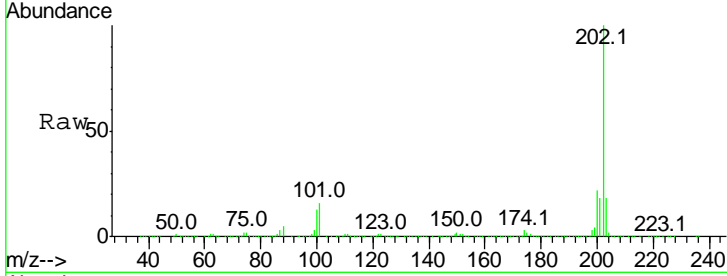


#77
 Pyrene
 Concen: 55.90 ng
 RT: 13.20 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-SSWDL

Tgt Ion: 202 Resp: 1405780

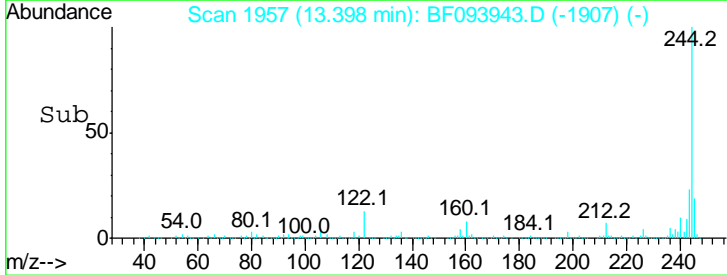
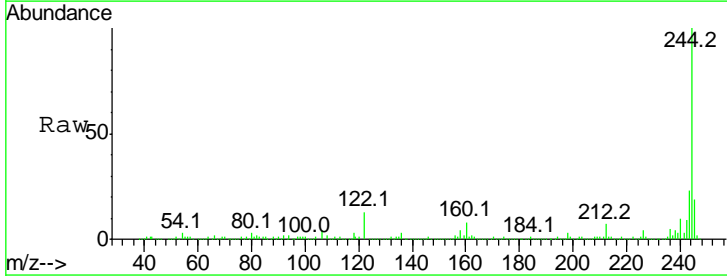
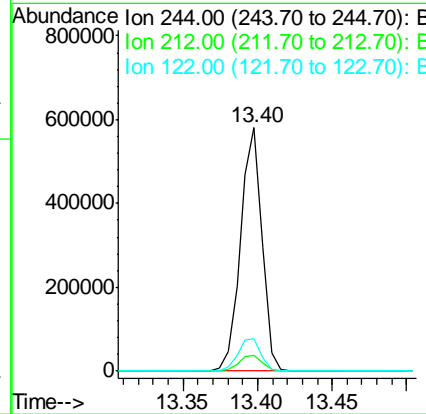
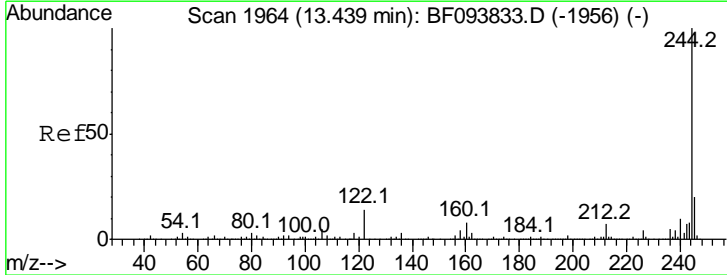
Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.6	26.4
203	18.1	14.4	21.6

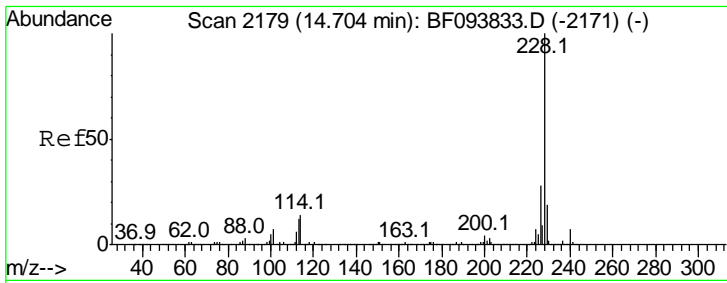


#78
 Terphenyl-d14
 Concen: 37.81 ng
 RT: 13.40 min Scan# 1957
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion: 244 Resp: 584468

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	13.2	10.3	15.5

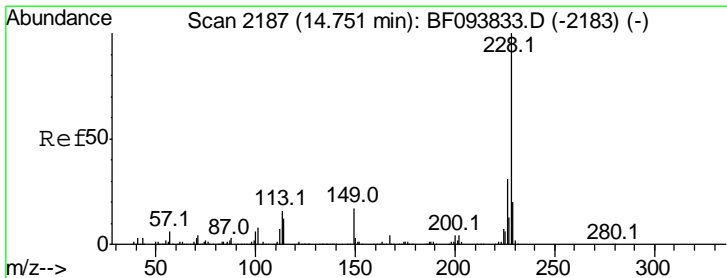
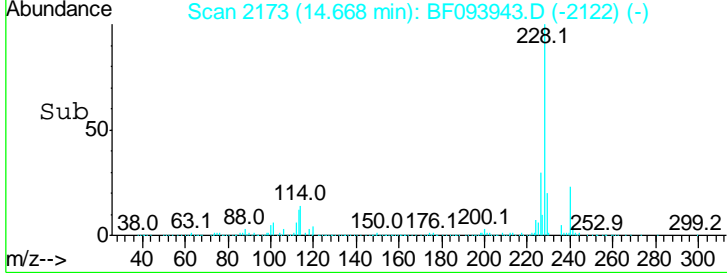
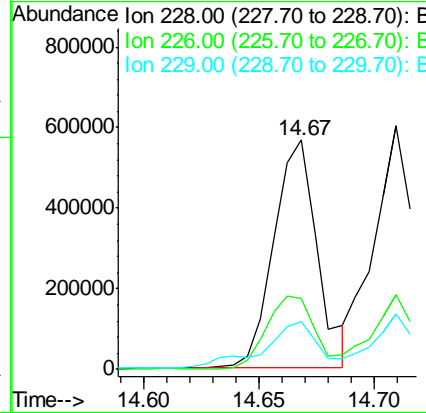
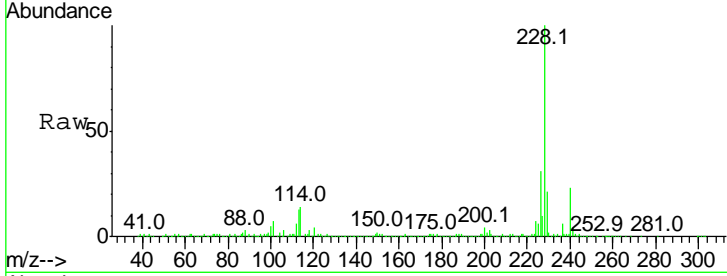




#80
 Benzo(a)anthracene
 Concen: 36.66 ng
 RT: 14.67 min Scan# 2173
 Delta R.T. -0.00 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

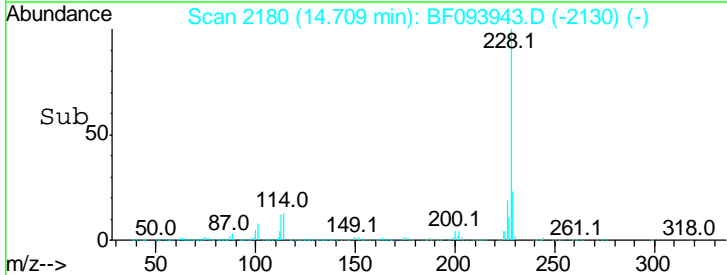
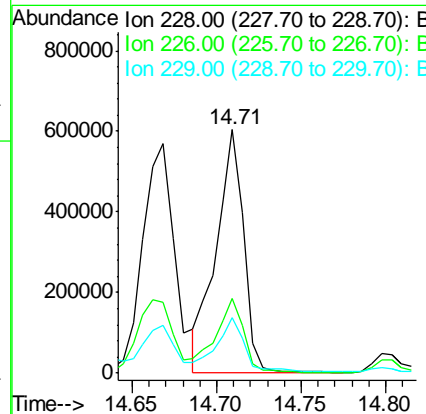
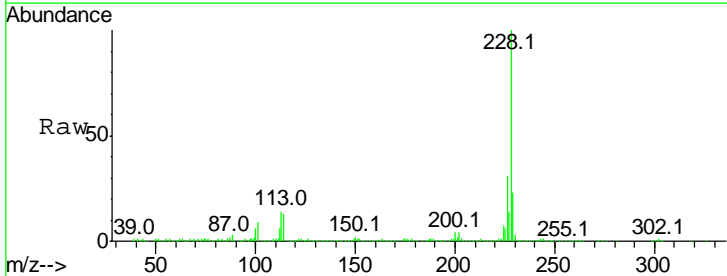
Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-SSWDL

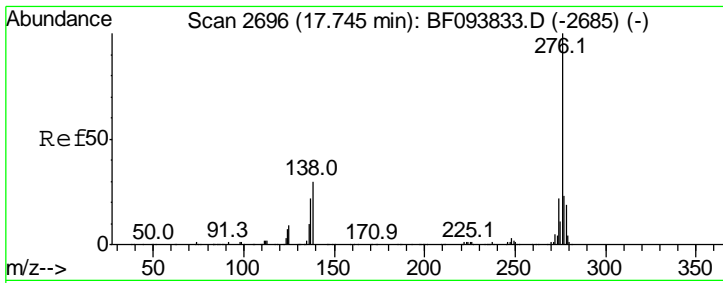
Tgt Ion	Resp	Lower	Upper
228	740843		
226	30.7	22.6	33.8
229	20.6	16.3	24.5



#82
 Chrysene
 Concen: 36.48 ng
 RT: 14.71 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion	Resp	Lower	Upper
228	684077		
226	30.8	24.9	37.3
229	22.9	15.8	23.6

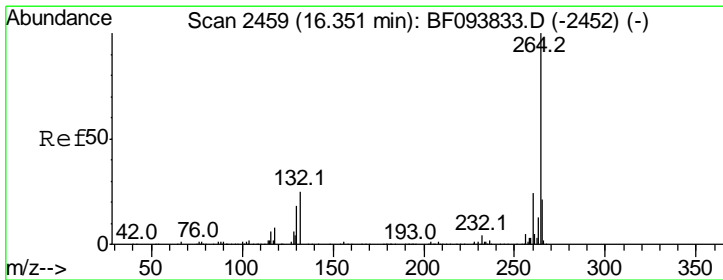
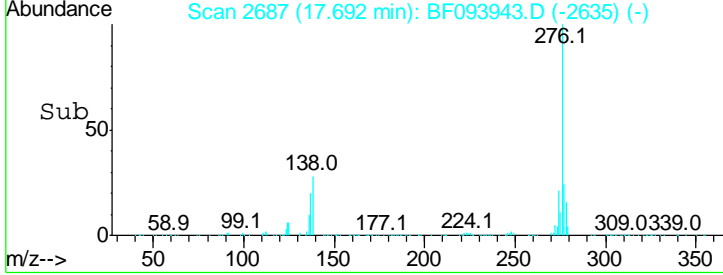
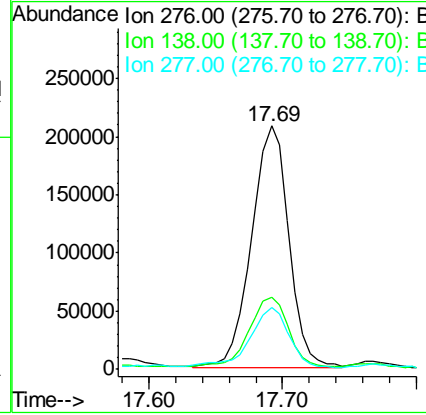
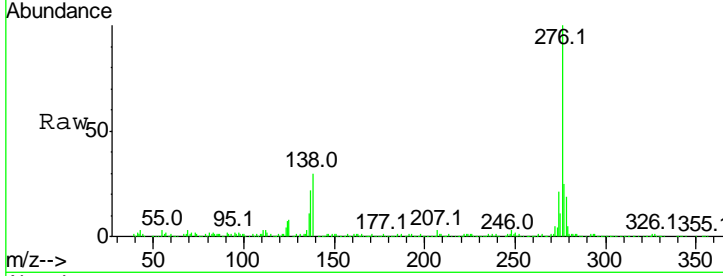




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 24.58 ng
 RT: 17.69 min Scan# 2687
 Delta R.T. 0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

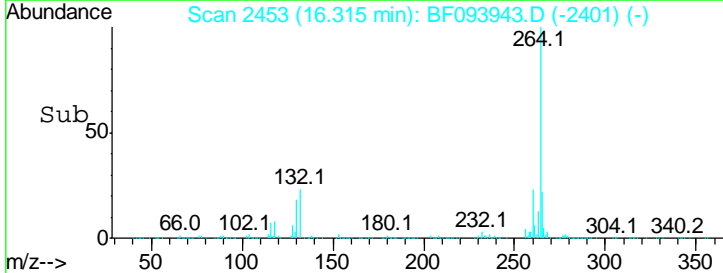
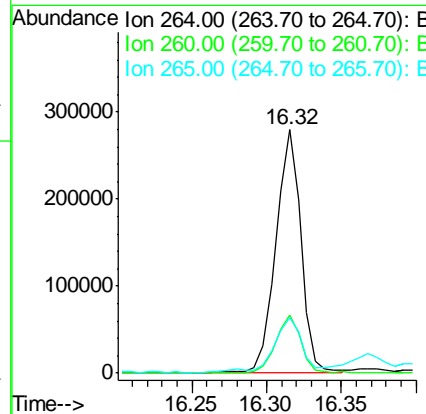
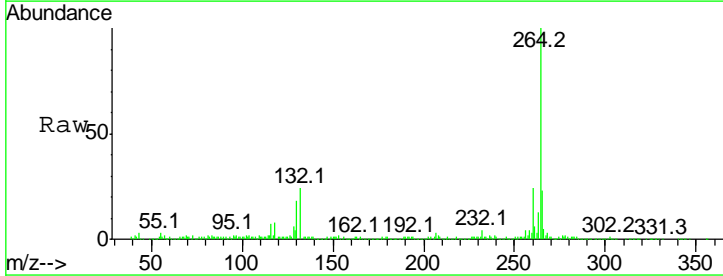
Instrument :
 BNA_F
 ClientSampled :
 E2-R14-SSWDL

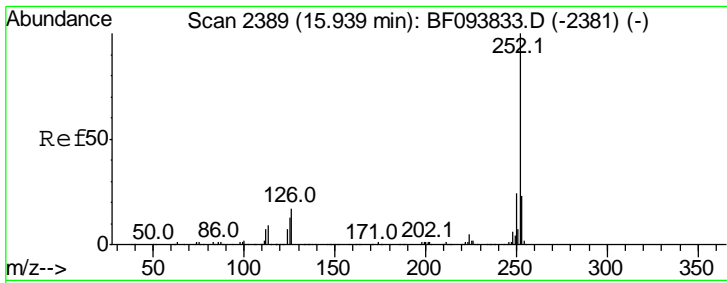
Tgt Ion	Resp	Lower	Upper
276	100		
138	30.4	27.8	41.6
277	26.0	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.32 min Scan# 2453
 Delta R.T. 0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion	Resp	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.5	17.2	25.8





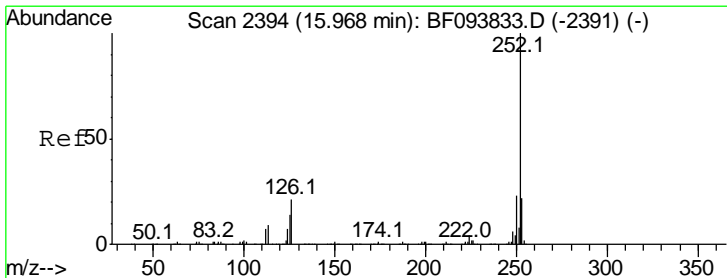
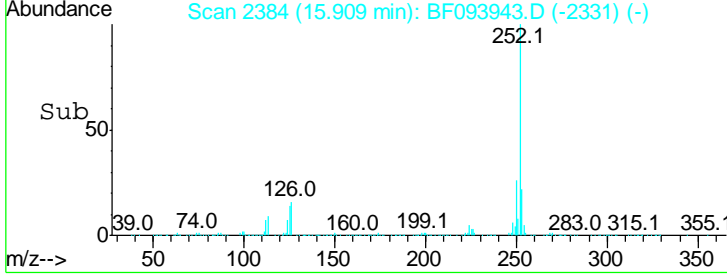
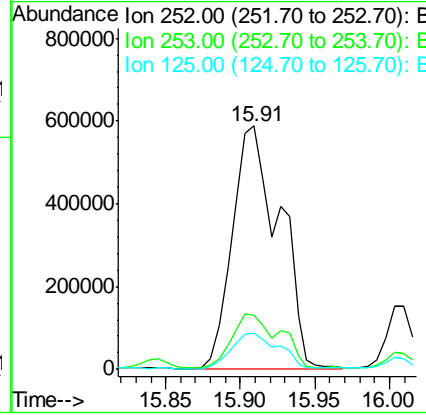
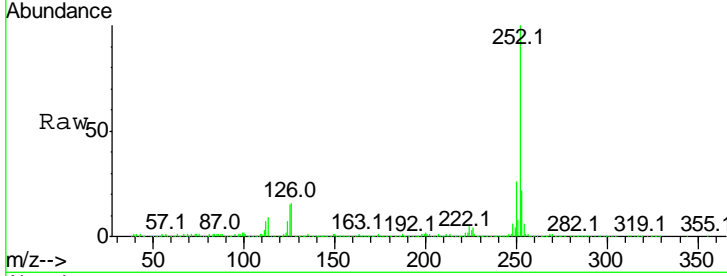
#87

Benzo(b)fluoranthene
 Concen: 64.65 ng
 RT: 15.91 min Scan# 2384
 Delta R.T. 0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Instrument :
 BNA_F
 ClientSampleID :
 E2-R14-SSWDL

Tgt Ion: 252 Resp: 1291980

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	14.8	9.8	14.8#

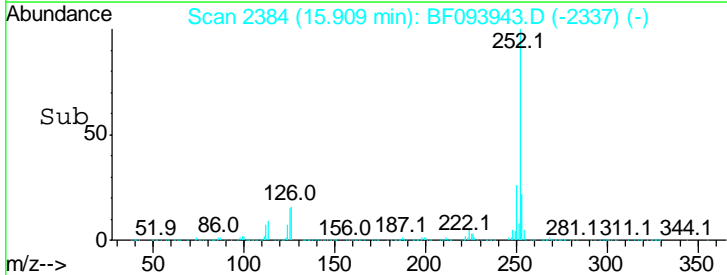
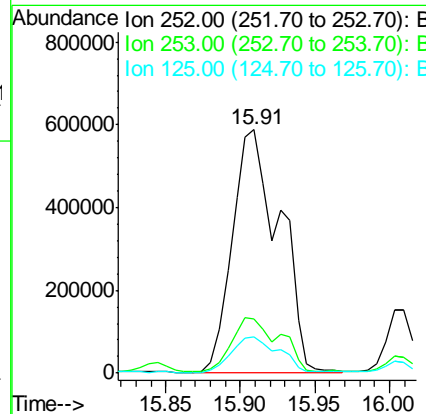
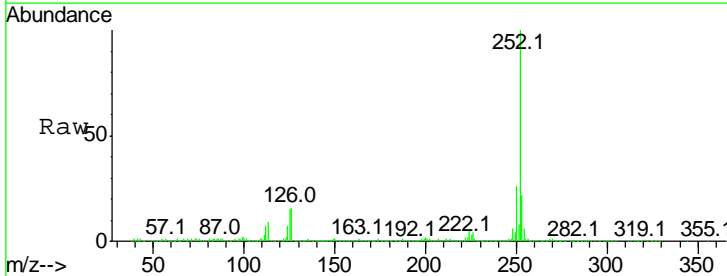


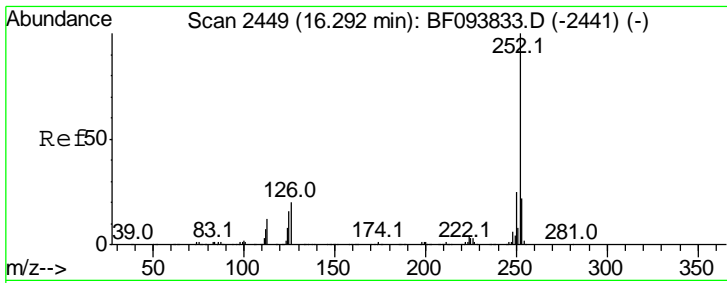
#88

Benzo(k)fluoranthene
 Concen: 66.08 ng
 RT: 15.91 min Scan# 2384
 Delta R.T. -0.02 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion: 252 Resp: 1291980

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	14.8	13.1	19.7

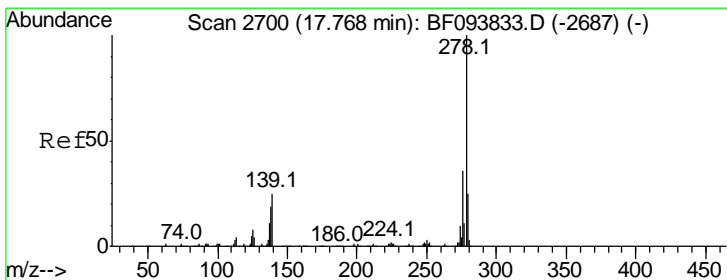
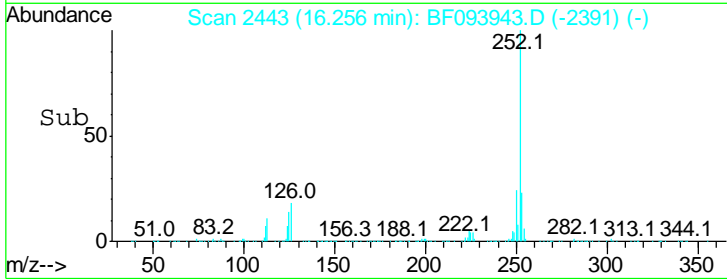
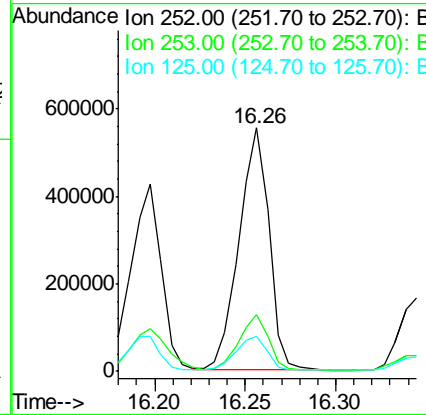
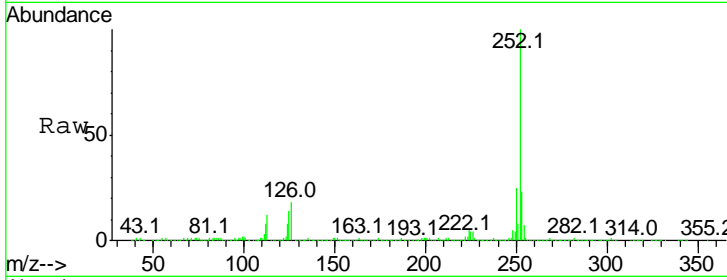




#89
 Benzo(a)pyrene
 Concen: 34.55 ng
 RT: 16.26 min Scan# 2443
 Delta R.T. 0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

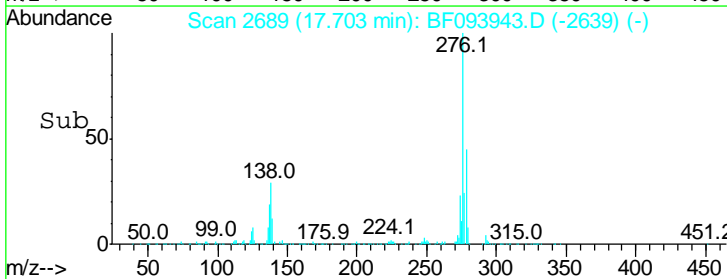
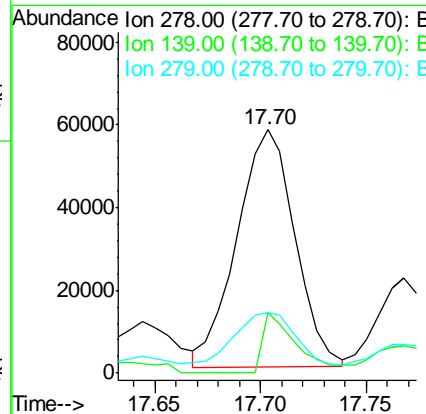
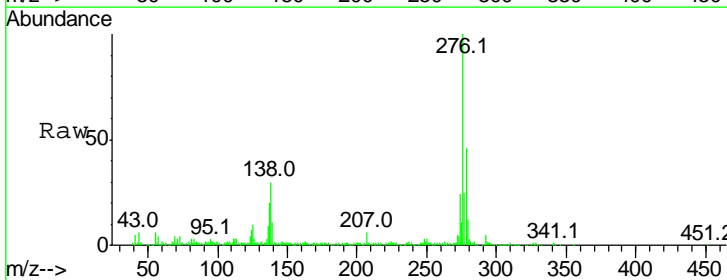
Instrument :
 BNA_F
 ClientSampled :
 E2-R14-SSWDL

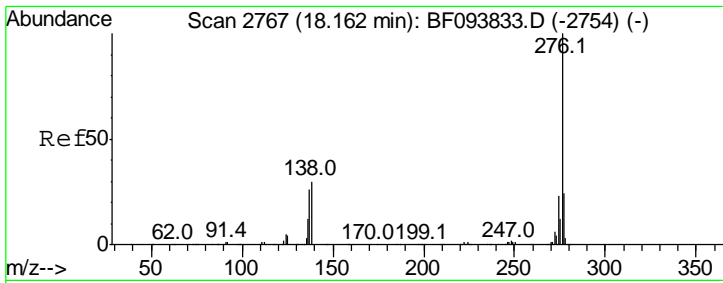
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	14.1	11.0	16.4



#90
 Dibenzo(a,h)anthracene
 Concen: 7.02 ng
 RT: 17.70 min Scan# 2689
 Delta R.T. -0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Tgt Ion	Resp	Lower	Upper
278	100		
139	24.7	16.6	24.8
279	25.1	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 23.75 ng
 RT: 18.10 min Scan# 2757
 Delta R.T. 0.01 min
 Lab File: BF093943.D
 Acq: 27 Mar 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-SSWDL

Tot Ion: 276 Resp: 373031

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	29.3	25.4	38.0

