

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096281.D
 Acq On : 29 Jun 2017 6:54
 Operator : SJ/MA
 Sample : I3928-03 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 29 07:56:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	157413	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	607642	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	242999	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	395506	20.00	ng	0.01
75) Chrysene-d12	13.93	240	360676	20.00	ng	0.01
86) Perylene-d12	15.35	264	264601	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	221761	20.30	ng	0.00
7) Phenol-d6	6.40	99	266135	20.12	ng	0.01
23) Nitrobenzene-d5	7.33	82	133467	15.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	46763	24.45	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	195823	14.76	ng	-0.01
78) Terphenyl-d14	12.87	244	153895	10.65	ng	0.00

Target Compounds

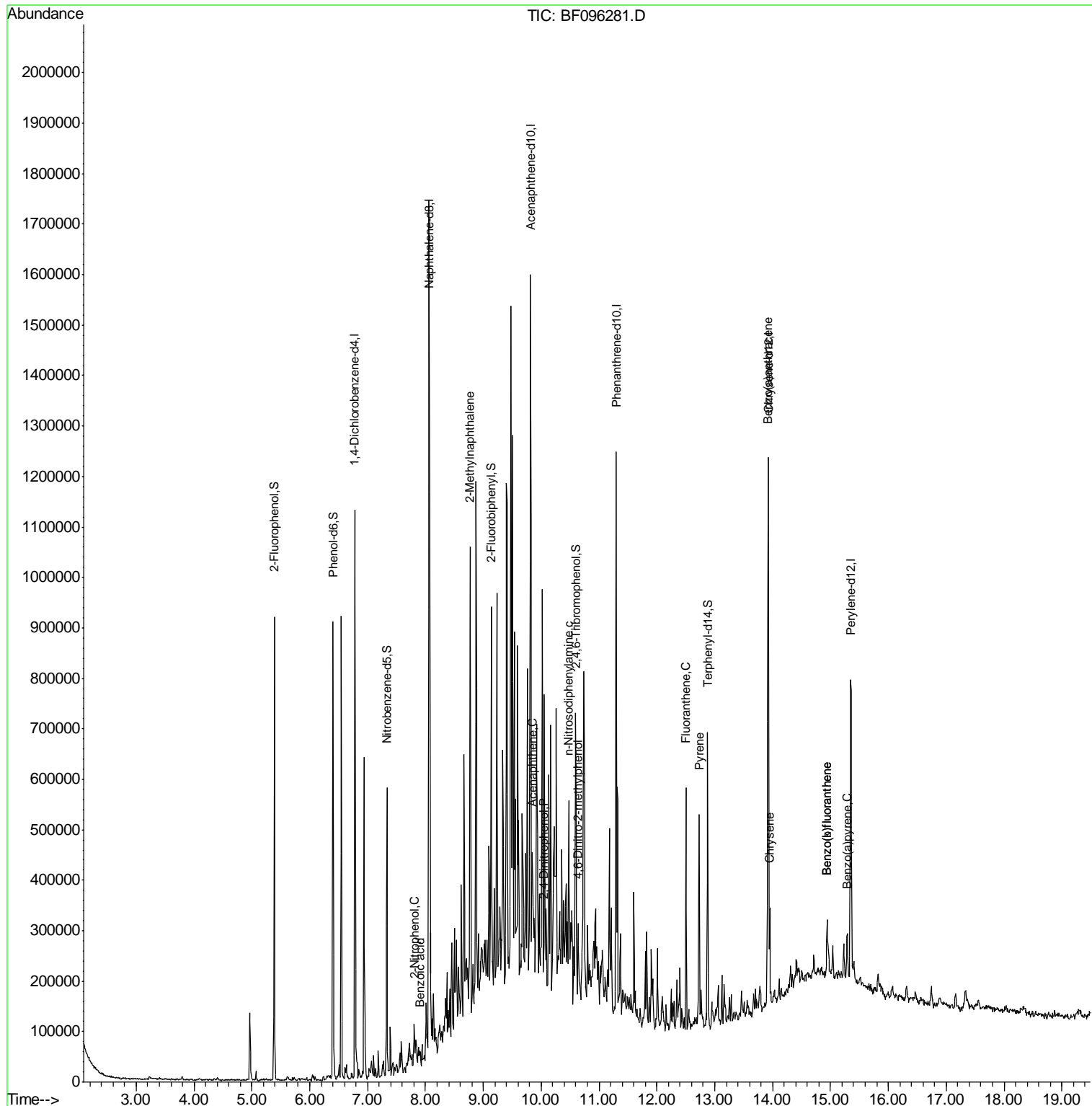
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.31	77	923	Below Cal	#	1
26) 2-Nitrophenol	7.80	139	121	6.07	ng	1
32) Benzoic acid	7.91	122	982	8.91	ng	91
37) 2-Methylnaphthalene	8.77	142	235040	12.35	ng	98
51) Acenaphthene	9.85	154	41447	2.74	ng	96
53) 2,4-Dinitrophenol	10.04	184	248	7.75	ng	1
57) Fluorene	10.36	166	32864	Below Cal	#	87
60) 4-Chlorophenyl-phenylether	10.32	204	117	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	10.64	198	2940	9.91	ng	78
65) n-Nitrosodiphenylamine	10.47	169	41058	2.89	ng	49
74) Fluoranthene	12.50	202	159972	7.28	ng	97
77) Pyrene	12.73	202	177916	6.00	ng	97
80) Benzo(a)anthracene	13.92	228	68038	3.09	ng	98
82) Chrysene	13.95	228	67396	2.96	ng	97
87) Benzo(b)fluoranthene	14.94	252	71755	4.13	ng	91
88) Benzo(k)fluoranthene	14.94	252	71755	4.52	ng	94
89) Benzo(a)pyrene	15.29	252	39362	2.56	ng	89

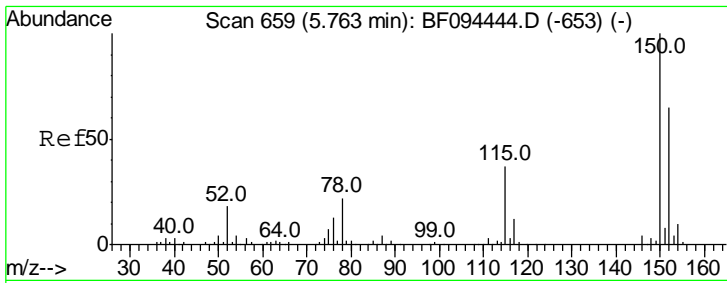
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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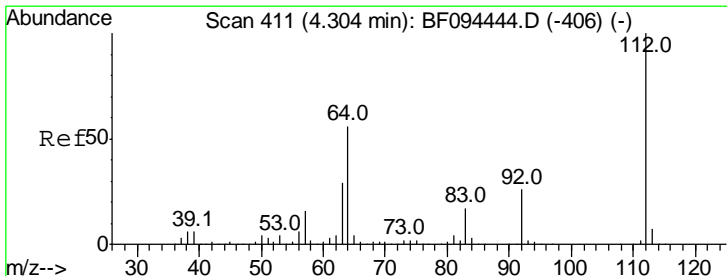
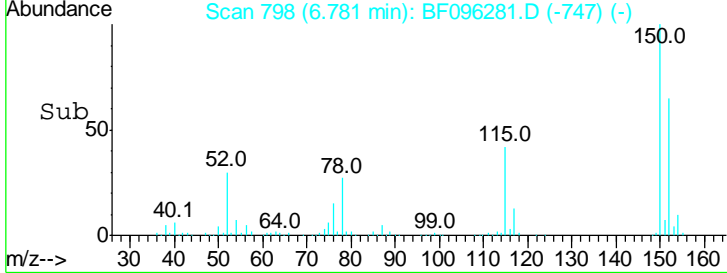
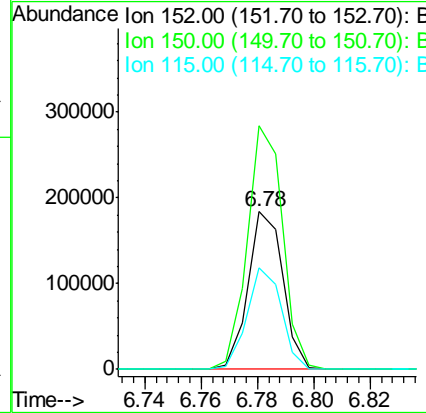
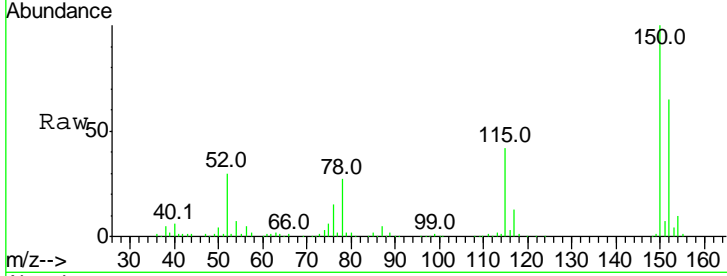


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Instrument :
 BNA_G
 ClientSampled :

Tgt Ion:152 Resp: 157413

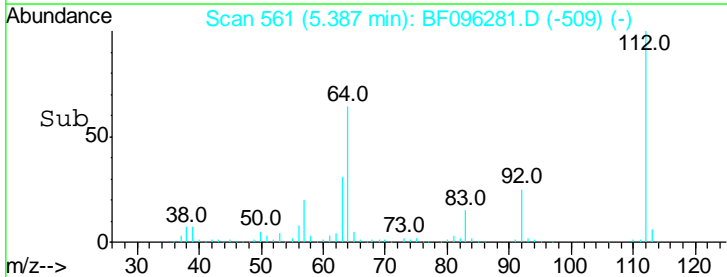
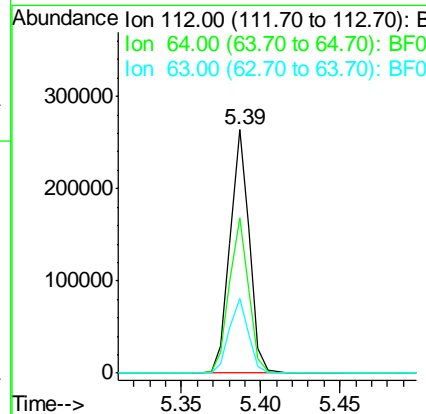
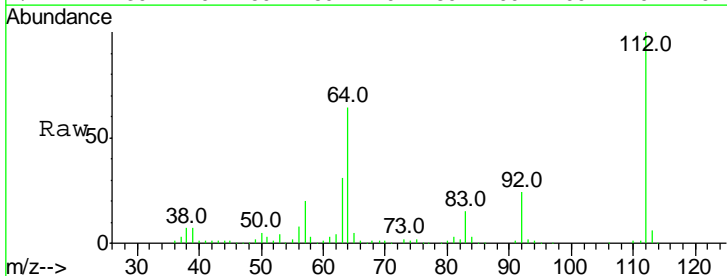
Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.2	189.2
115	64.7	52.2	78.2

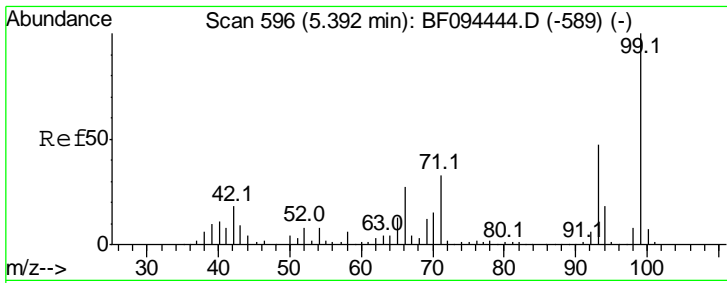


#5
 2-Fluorophenol
 Concen: 20.30 ng
 RT: 5.39 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Tgt Ion:112 Resp: 221761

Ion	Ratio	Lower	Upper
112	100		
64	63.8	46.0	69.0
63	30.8	23.4	35.0

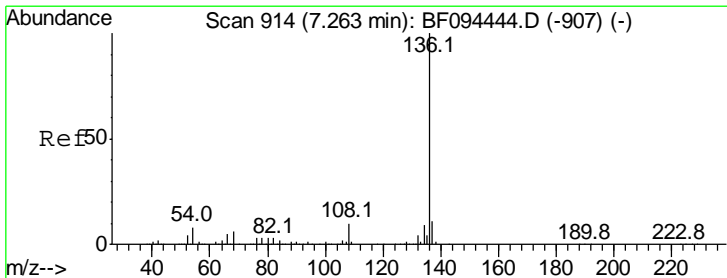
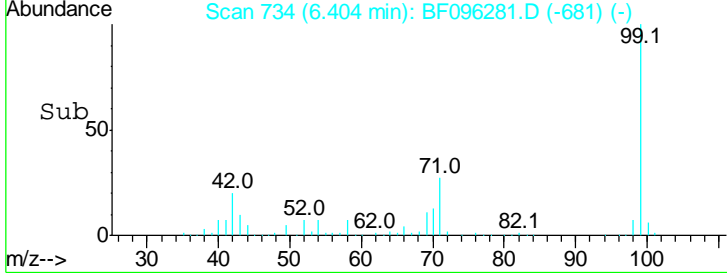
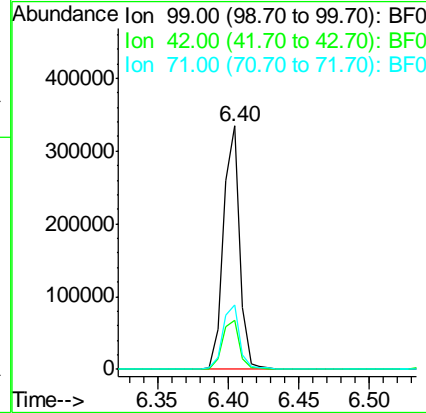
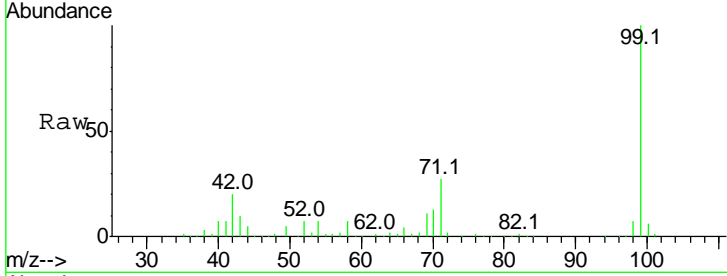




#7
 Phenol-d6
 Concen: 20.12 ng
 RT: 6.40 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

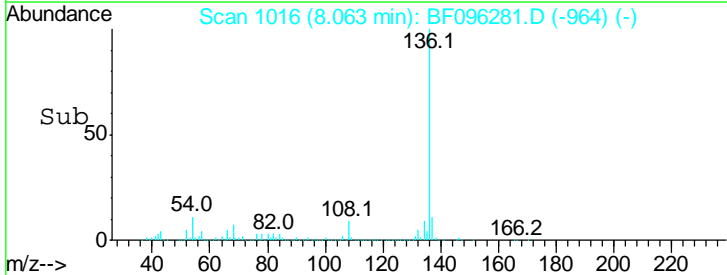
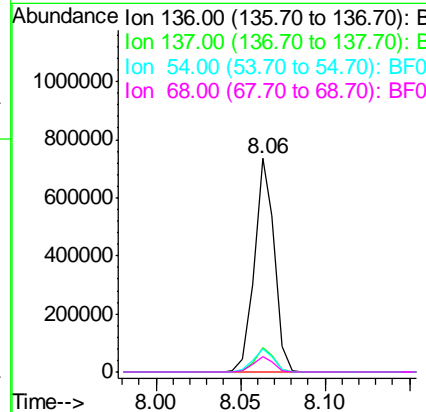
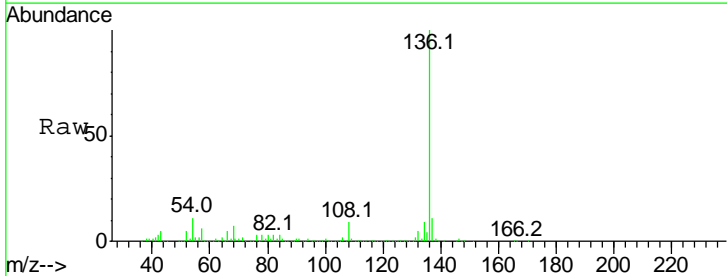
Instrument :
 BNA_G
 ClientSampled :

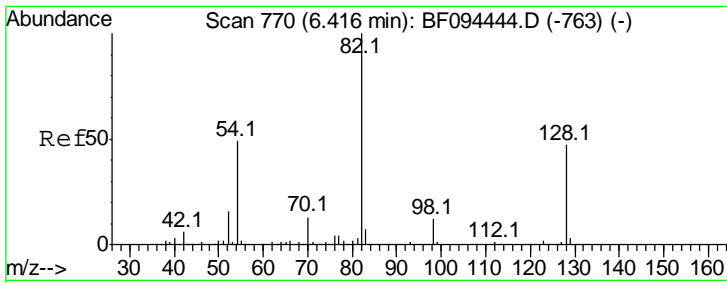
Tgt Ion	Resp	Lower	Upper
99	100		
42	20.0	13.5	20.3
71	26.7	24.5	36.7



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.06 min Scan# 1016
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Tgt Ion	Resp	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.6	4.9	7.3#
68	7.1	4.1	6.1#

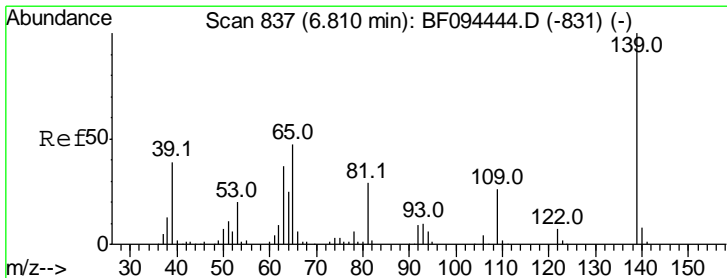
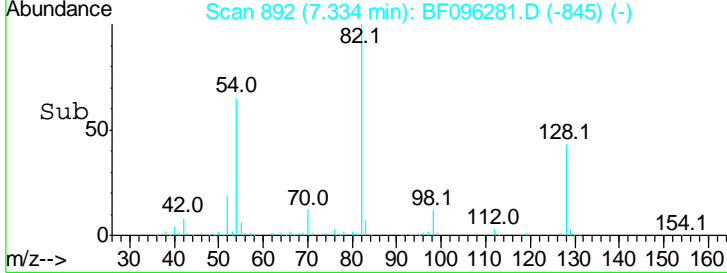
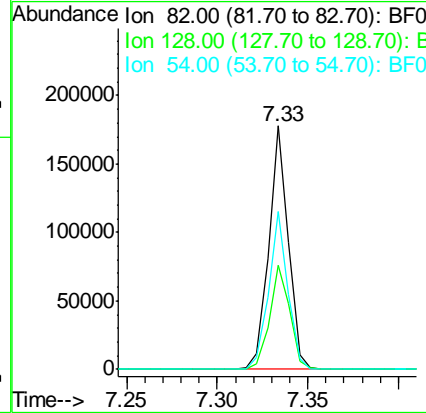
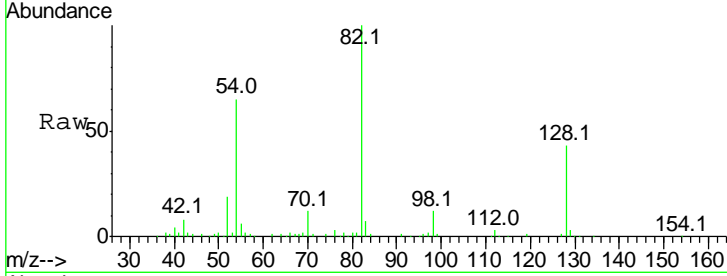




#23
 Nitrobenzene-d5
 Concen: 15.21 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

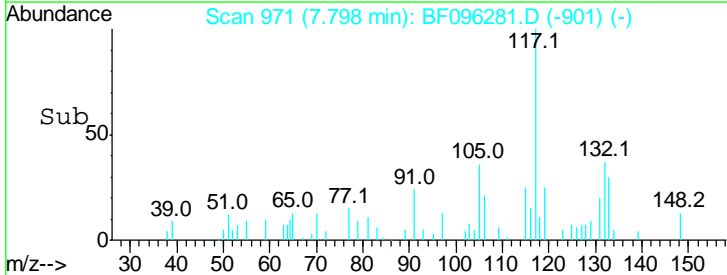
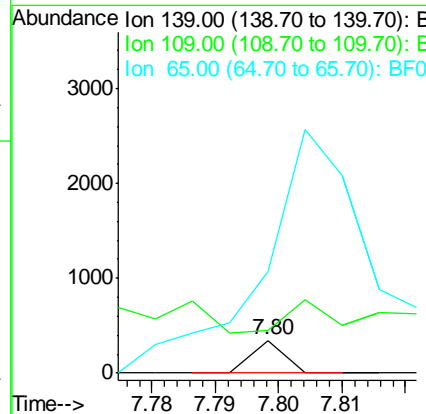
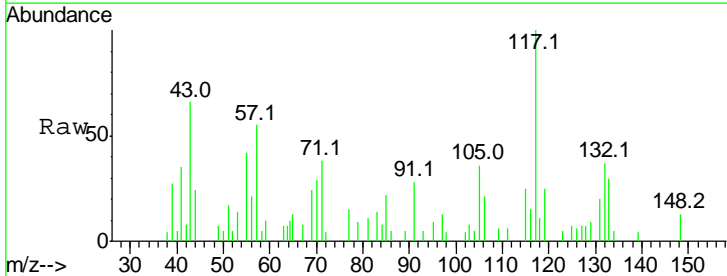
Instrument :
 BNA_G
 ClientSampled :

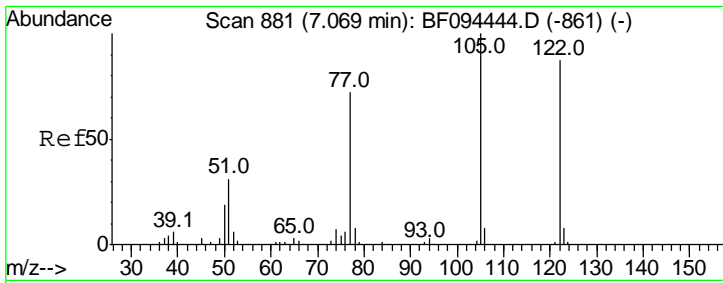
Tgt Ion	Resp	Lower	Upper
82	100		
128	42.8	34.0	51.0
54	64.6	42.2	63.2#



#26
 2-Nitrophenol
 Concen: 6.07 ng
 RT: 7.80 min Scan# 971
 Delta R.T. 0.11 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Tgt Ion	Resp	Lower	Upper
139	100		
109	130.8	21.0	31.6#
65	309.9	33.0	49.6#

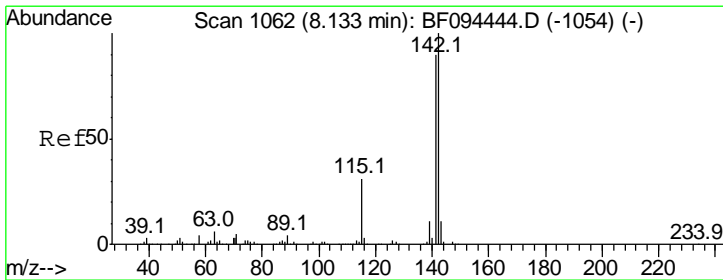
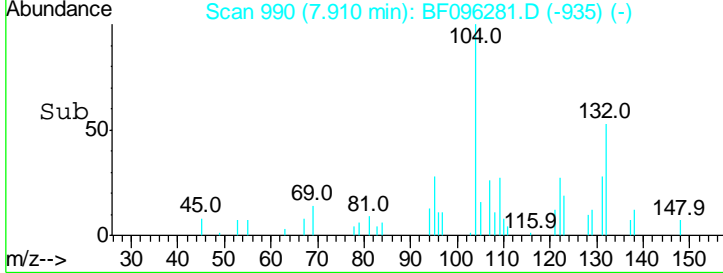
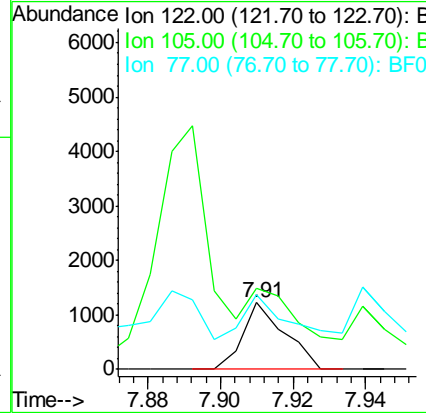
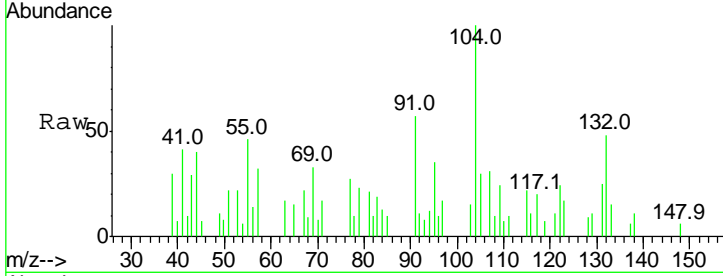




#32
 Benzoic acid
 Concen: 8.91 ng
 RT: 7.91 min Scan# 990
 Delta R.T. 0.02 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

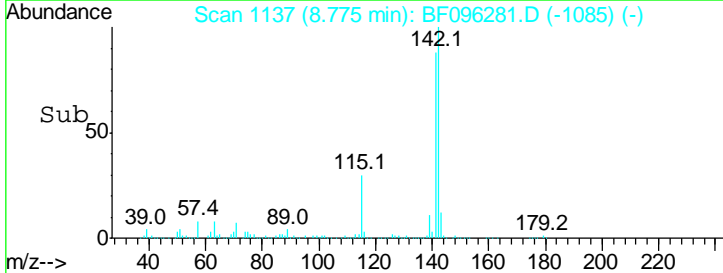
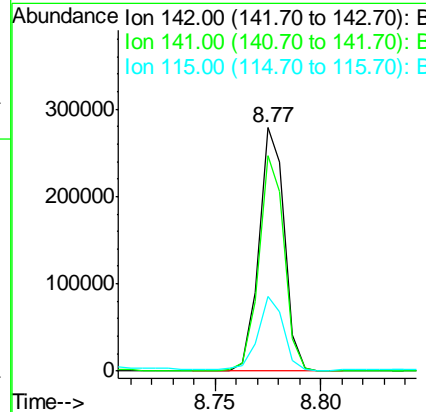
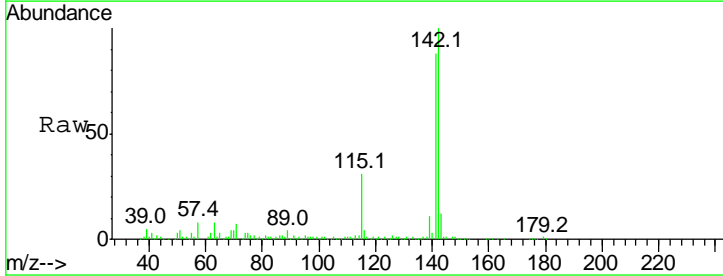
Instrument :
 BNA_G
 ClientSampled :

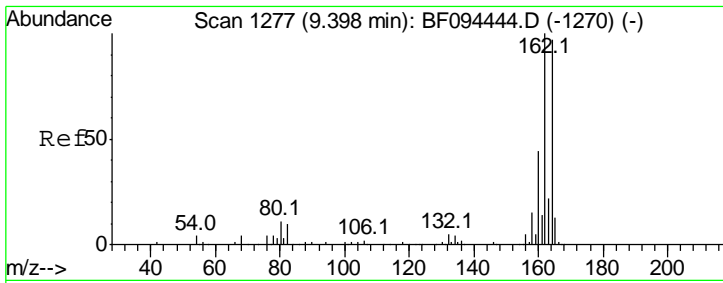
Tgt Ion	Resp	Lower	Upper
122	100		
105	121.9	103.3	143.3
77	112.0	73.7	113.7



#37
 2-Methylnaphthalene
 Concen: 12.35 ng
 RT: 8.77 min Scan# 1137
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Tgt Ion	Resp	Lower	Upper
142	100		
141	88.3	71.3	106.9
115	30.7	27.1	40.7

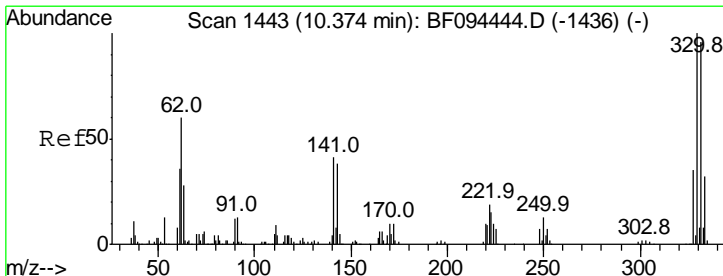
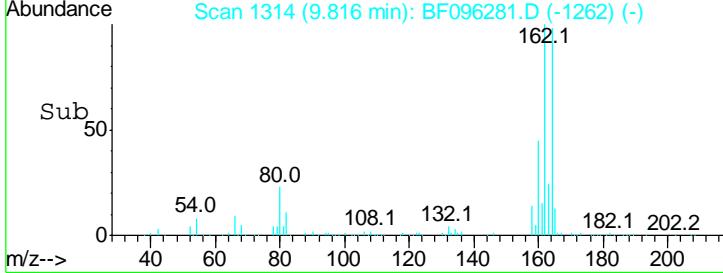
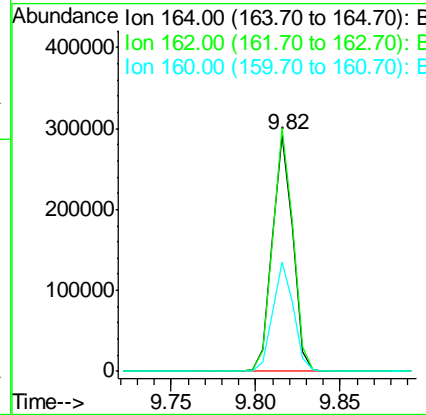
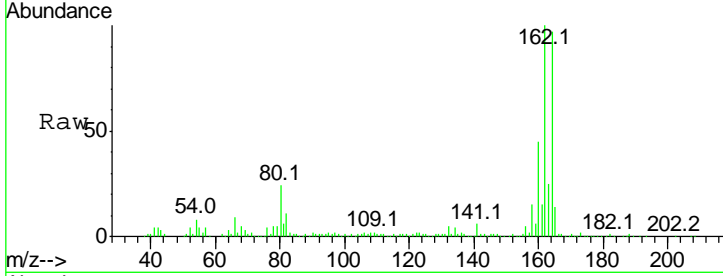




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

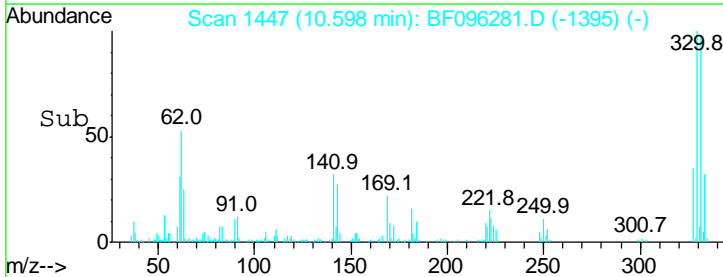
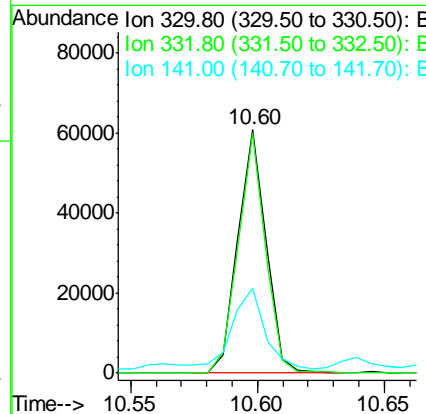
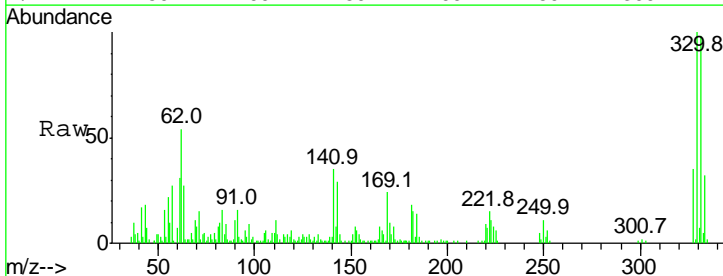
Instrument :
 BNA_G
 ClientSampled :

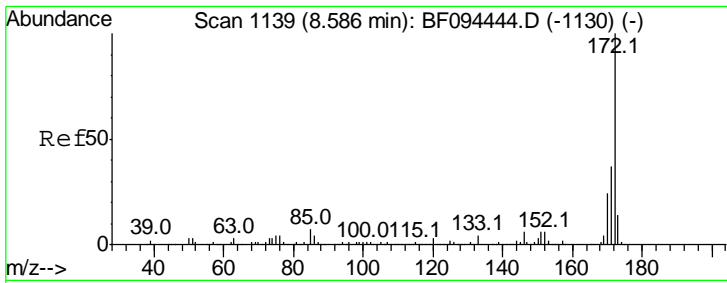
Tgt Ion	Resp	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	46.4	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 24.45 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Tgt Ion	Resp	Lower	Upper
330	100		
332	95.0	76.6	115.0
141	38.0	31.4	47.2



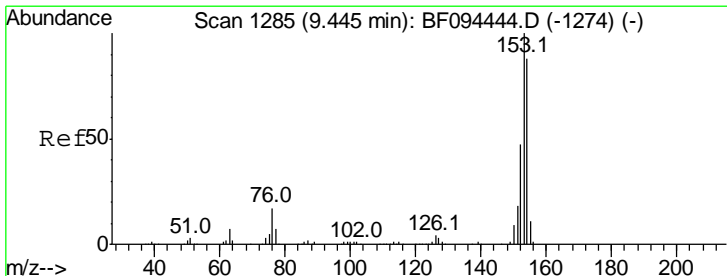
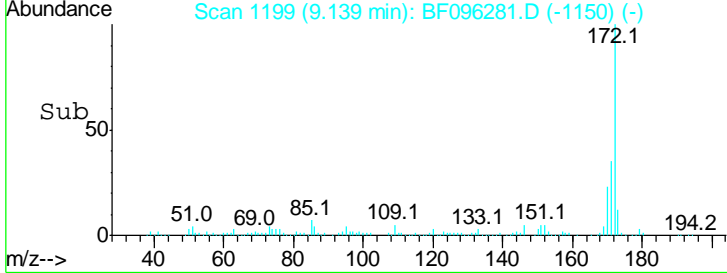
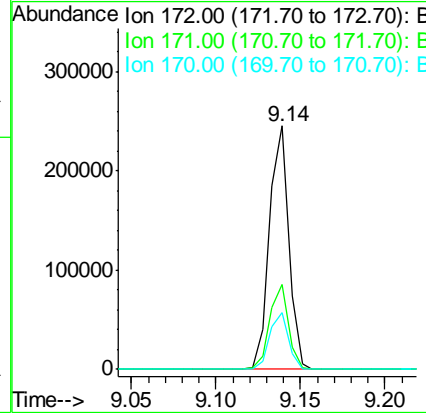
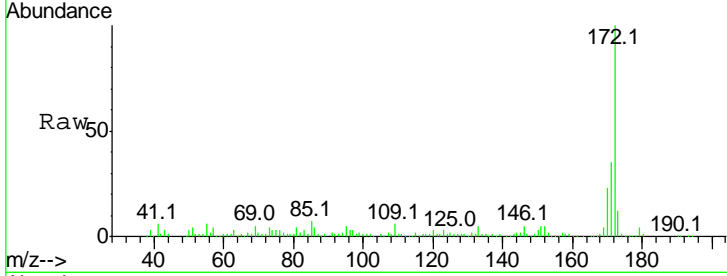


#44
 2-Fluorobiphenyl
 Concen: 14.76 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 195823

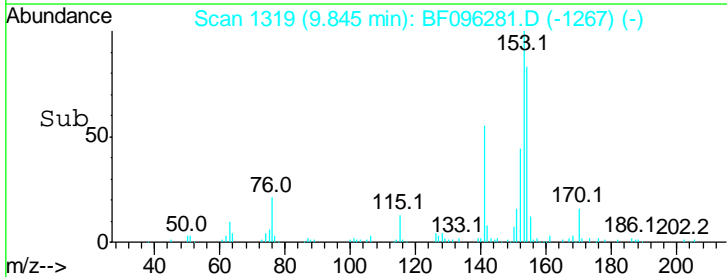
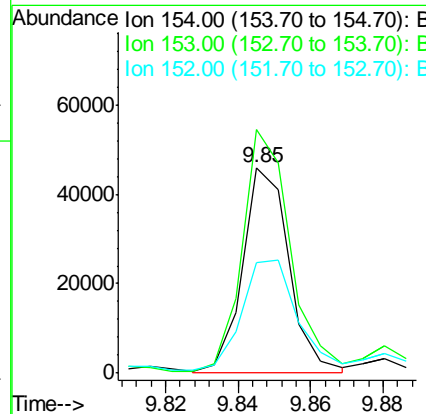
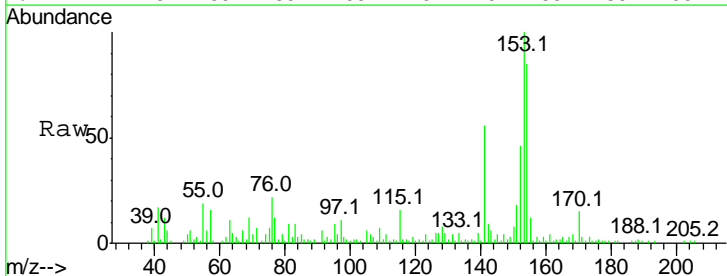
Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.6	44.4
170	23.1	19.8	29.8

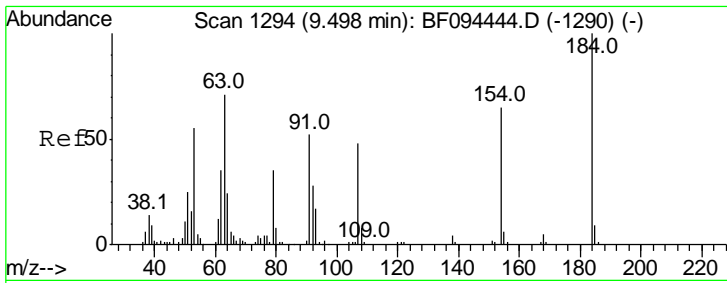


#51
 Acenaphthene
 Concen: 2.74 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Tgt Ion:154 Resp: 41447

Ion	Ratio	Lower	Upper
154	100		
153	118.3	90.5	135.7
152	53.8	43.6	65.4



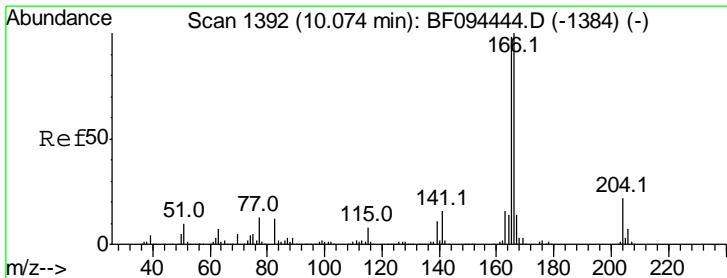
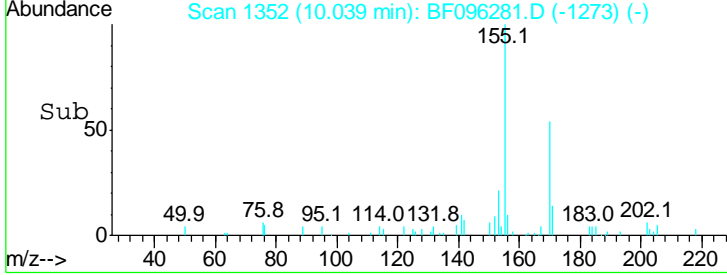
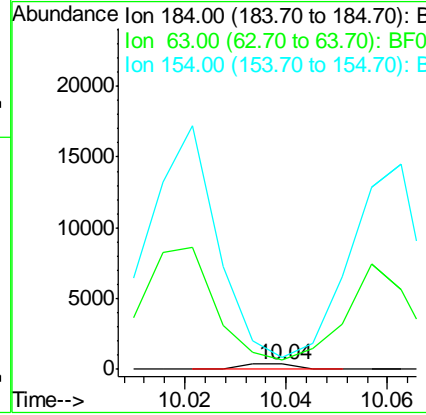
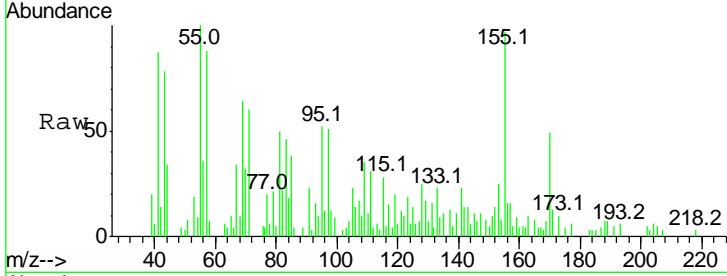


#53
 2,4-Dinitrophenol
 Concen: 7.75 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. 0.17 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Instrument :
 BNA_G
 ClientSampled :

Tgt Ion:184 Resp: 248

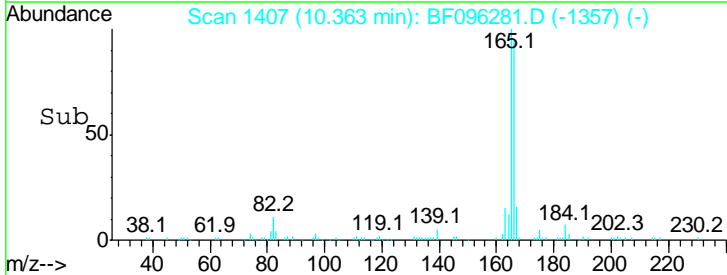
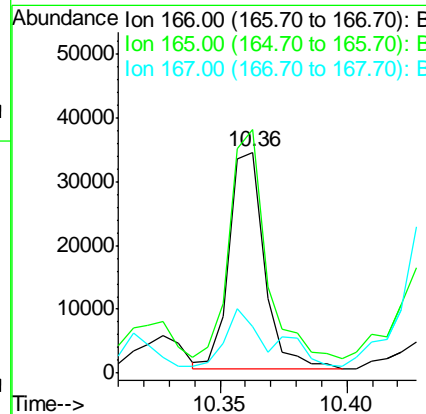
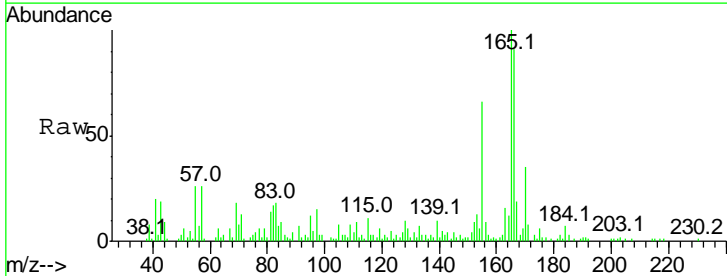
Ion	Ratio	Lower	Upper
184	100		
63	187.4	62.7	94.1#
154	227.8	81.1	121.7#

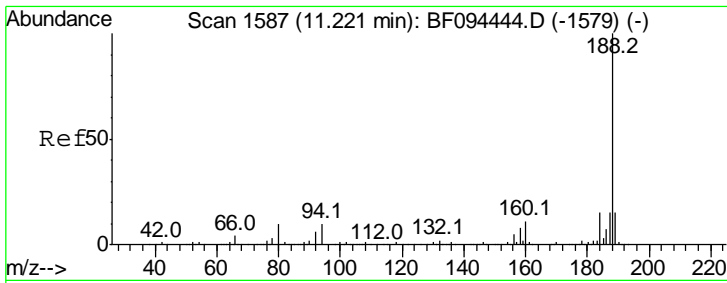


#57
 Fluorene
 Concen: Below Cal
 RT: 10.36 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Tgt Ion:166 Resp: 32864

Ion	Ratio	Lower	Upper
166	100		
165	110.3	78.8	118.2
167	21.0	10.6	16.0#

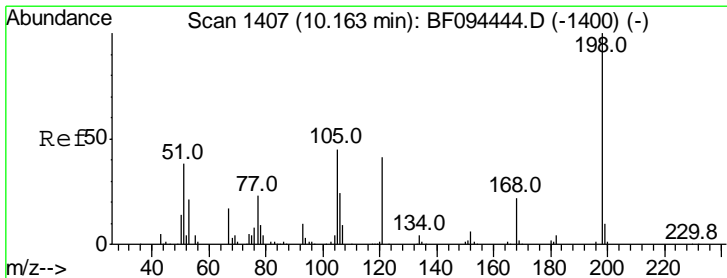
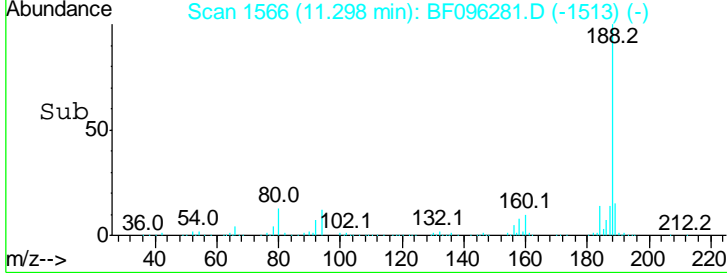
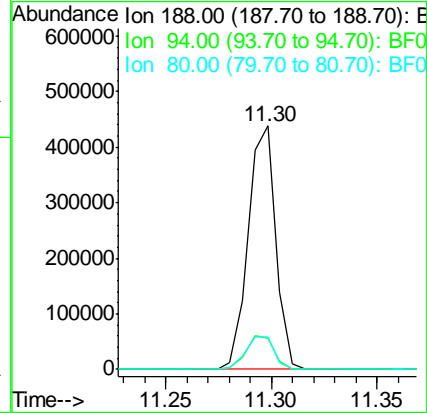
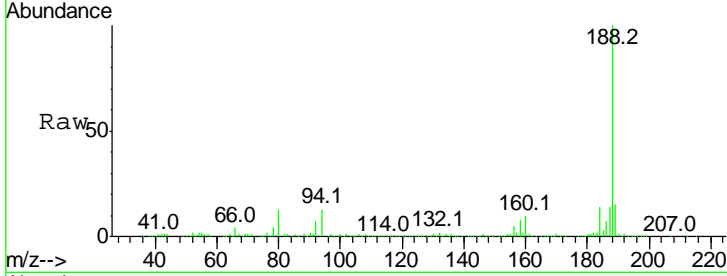




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

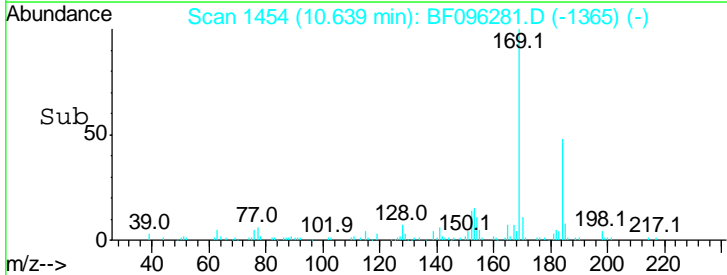
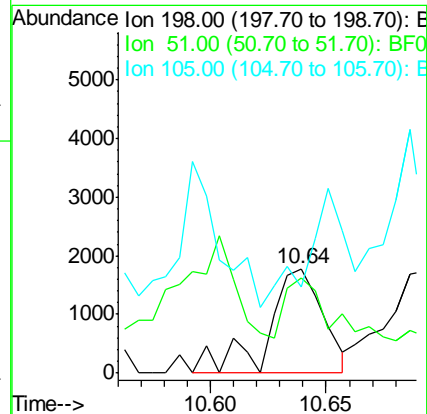
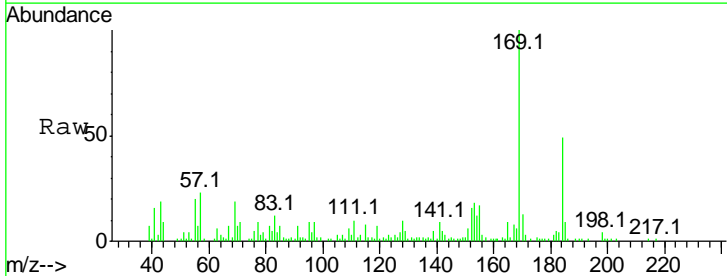
Instrument :
 BNA_G
 ClientSampled :

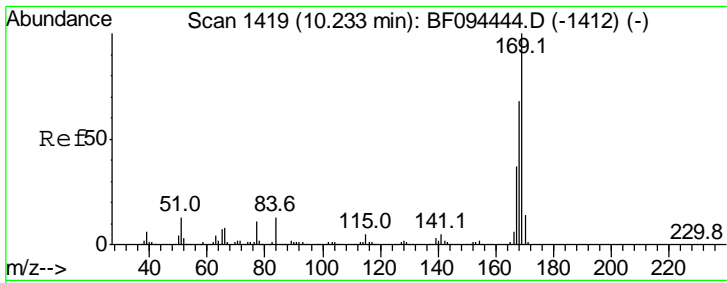
Tgt Ion	Resp	Lower	Upper
188	100		
94	12.6	9.4	14.2
80	13.1	10.2	15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.91 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.22 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Tgt Ion	Resp	Lower	Upper
198	100		
51	91.8	53.2	93.2
105	82.7	45.8	85.8

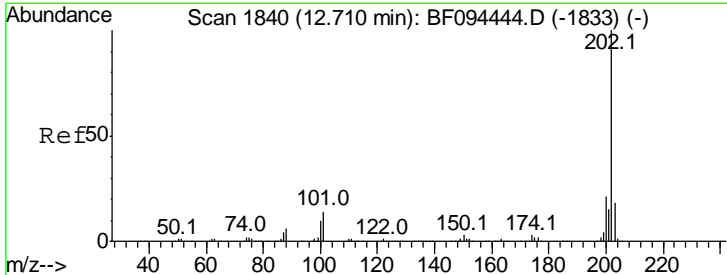
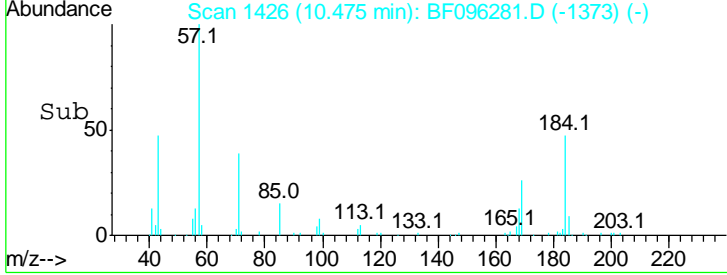
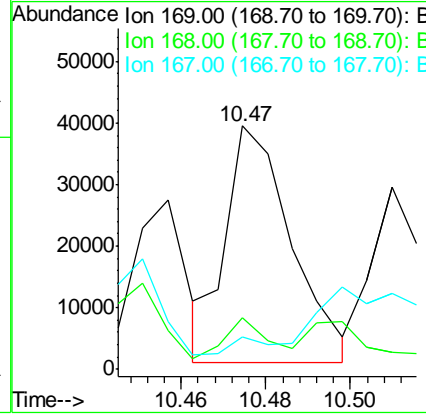
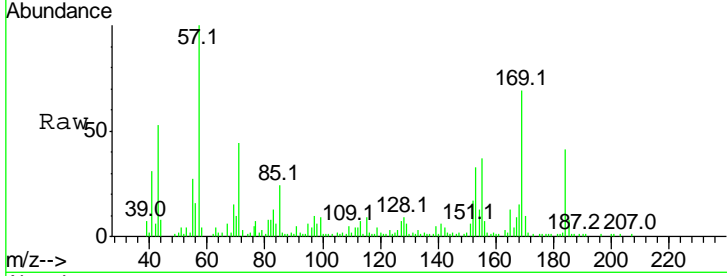




#65
 n-Nitrosodiphenylamine
 Concen: 2.89 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

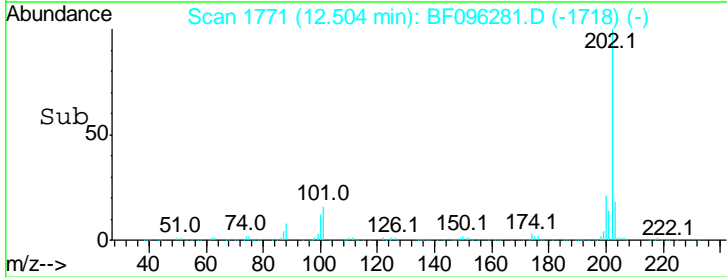
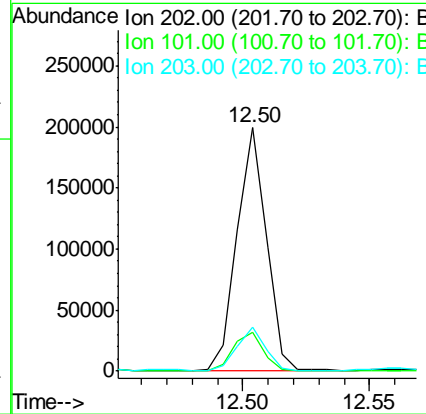
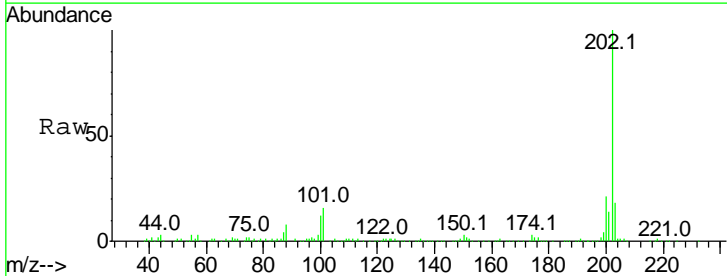
Instrument :
 BNA_G
 ClientSampled :

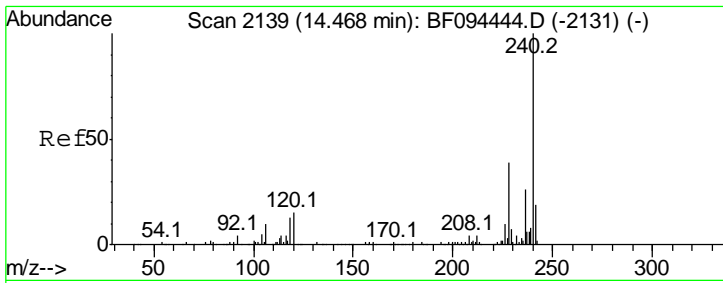
Tgt Ion	Resp	Lower	Upper
169	41058		
168	21.3	53.2	79.8#
167	13.2	29.5	44.3#



#74
 Fluoranthene
 Concen: 7.28 ng
 RT: 12.50 min Scan# 1771
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Tgt Ion	Resp	Lower	Upper
202	159972		
201	16.0	0.0	33.2
203	18.1	0.0	38.1

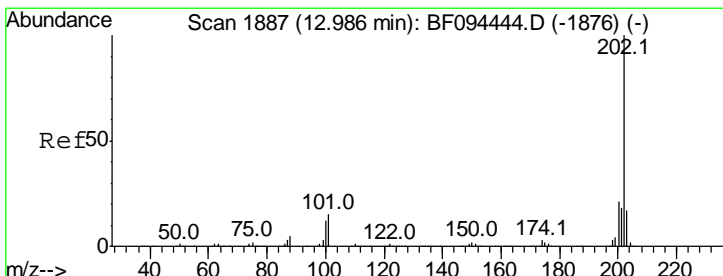
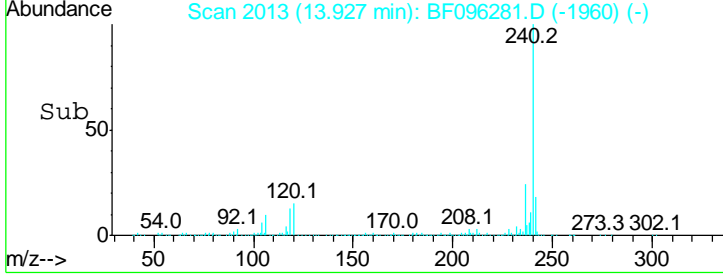
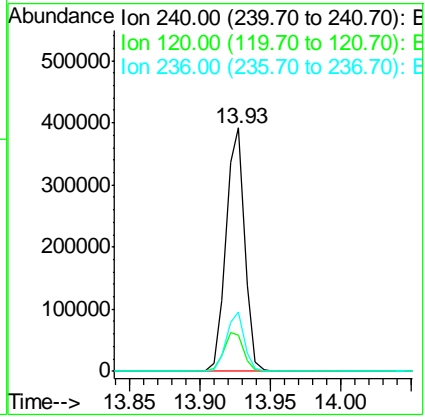
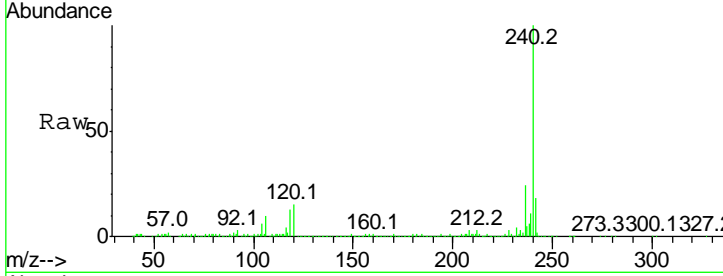




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

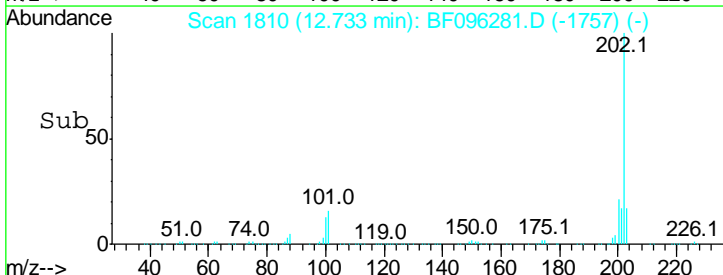
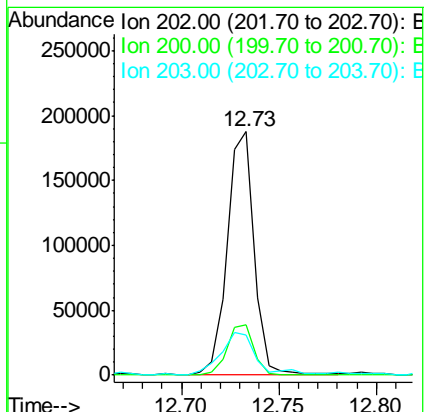
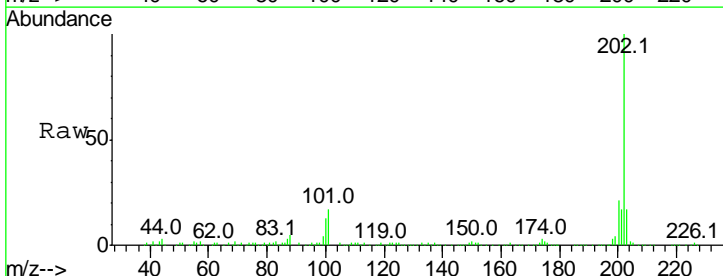
Instrument :
 BNA_G
 ClientSampled :

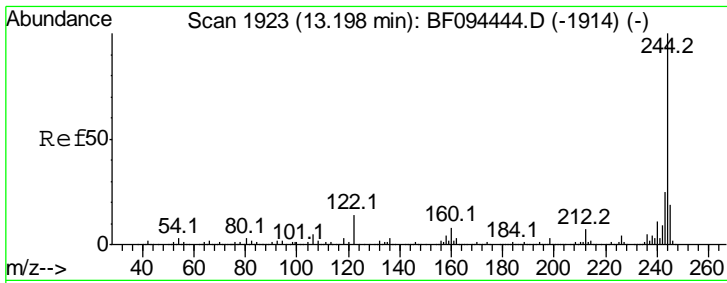
Tgt Ion	Resp	Lower	Upper
240	100		
120	14.9	5.8	8.8#
236	24.3	20.5	30.7



#77
 Pyrene
 Concen: 6.00 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Tgt Ion	Resp	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	16.7	14.4	21.6

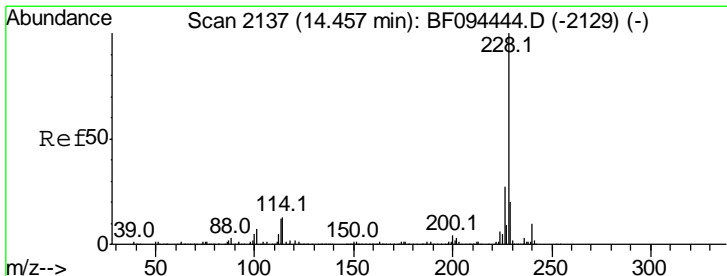
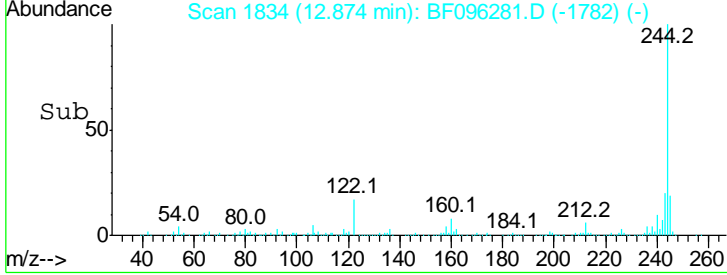
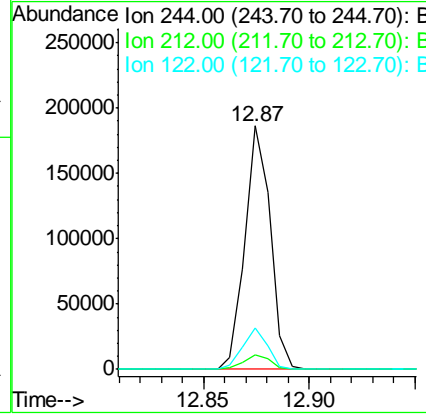
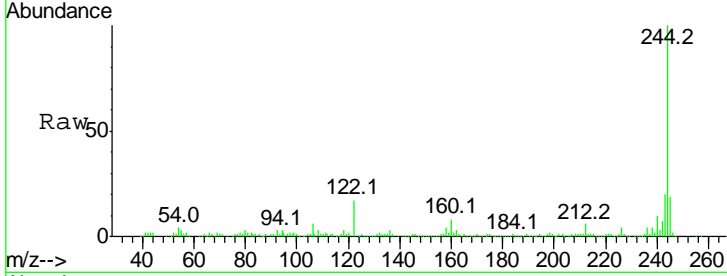




#78
 Terphenyl-d14
 Concen: 10.65 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

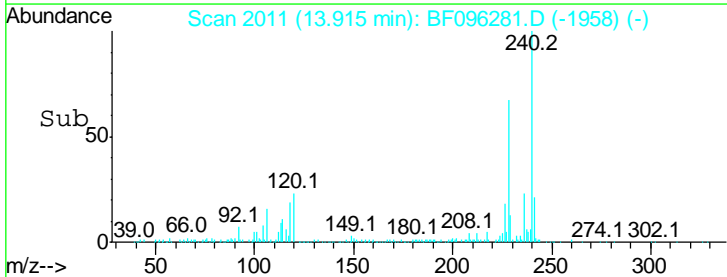
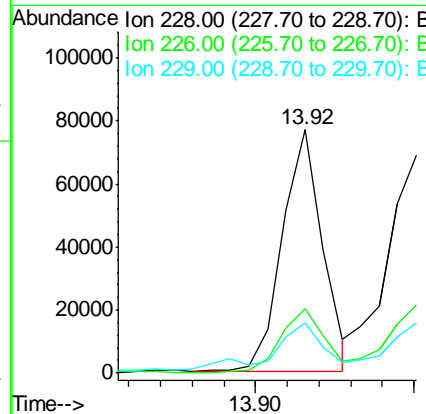
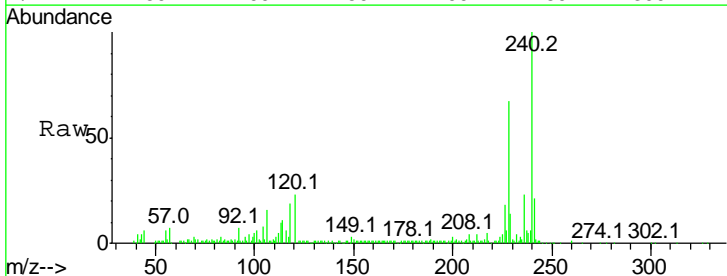
Instrument :
 BNA_G
 ClientSampled :

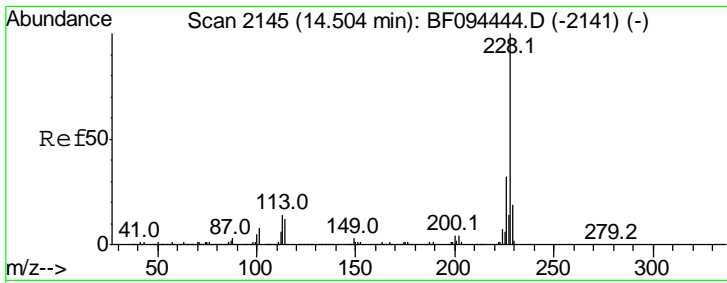
Tgt Ion	Resp	Lower	Upper
244	100		
212	5.7	6.0	9.0#
122	16.9	10.3	15.5#



#80
 Benzo(a)anthracene
 Concen: 3.09 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Tgt Ion	Resp	Lower	Upper
228	100		
226	26.7	22.6	33.8
229	20.6	16.3	24.5

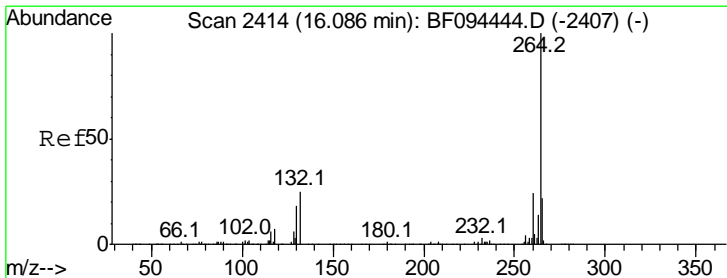
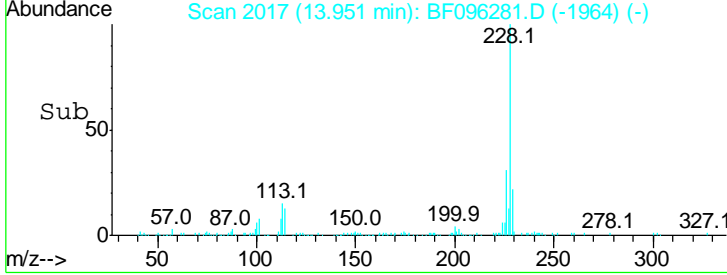
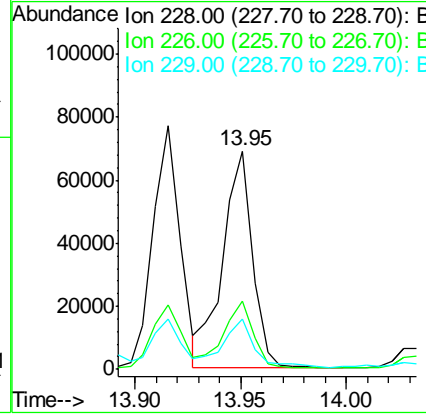
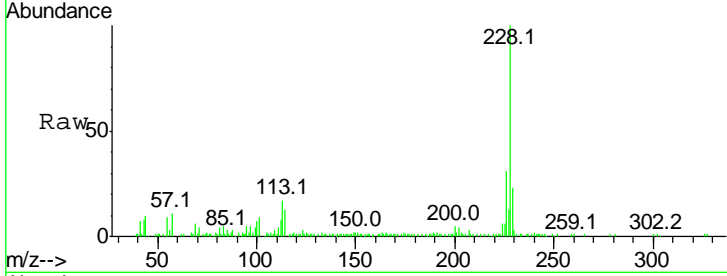




#82
 Chrysene
 Concen: 2.96 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

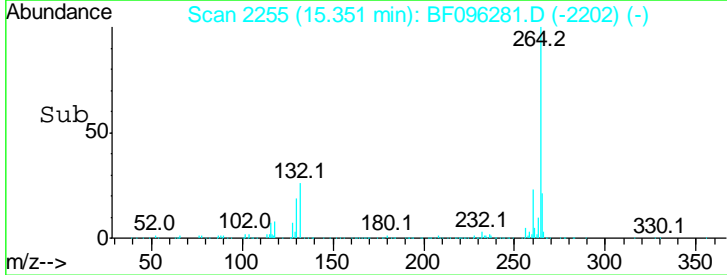
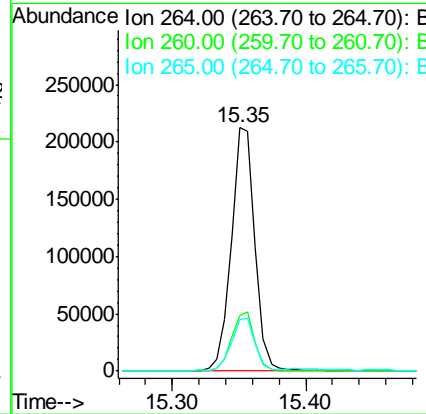
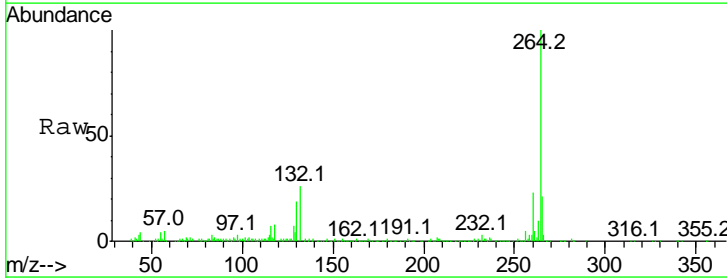
Instrument :
 BNA_G
 ClientSampled :

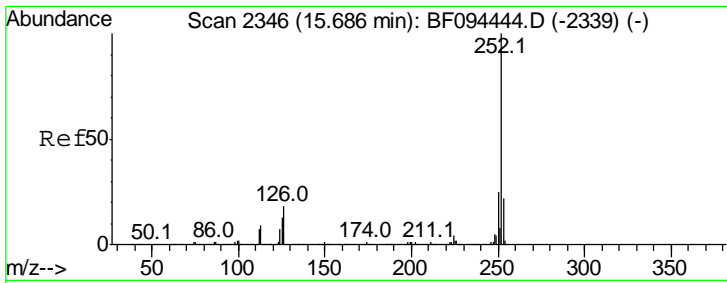
Tgt Ion	Resp	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	22.9	15.8	23.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 2255
 Delta R.T. 0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Tgt Ion	Resp	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	21.1	17.2	25.8



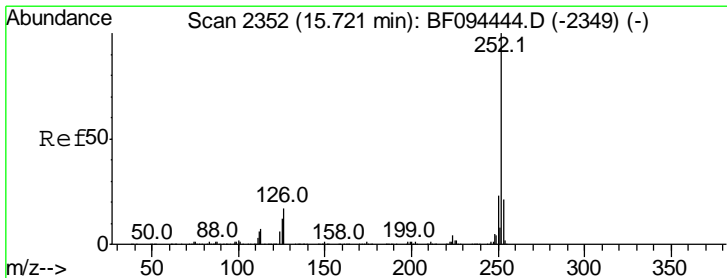
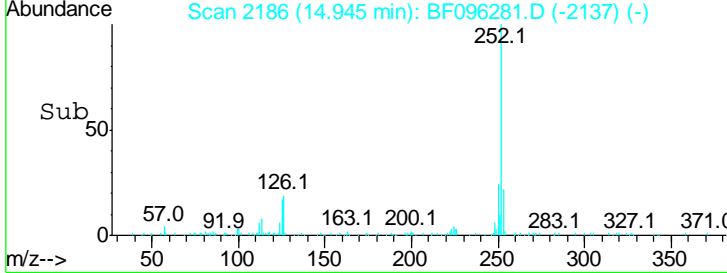
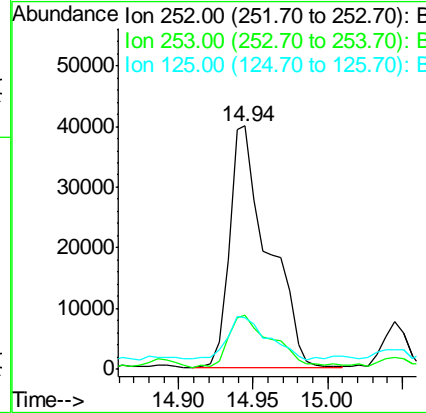
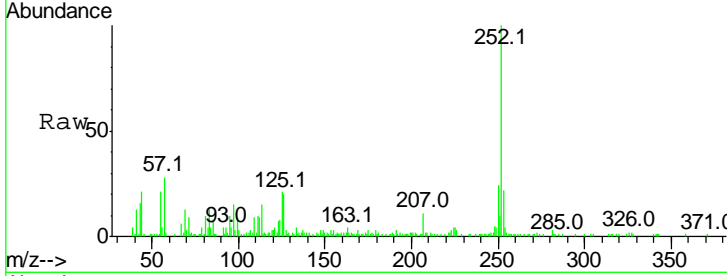


#87

Benzo(b)fluoranthene
 Concen: 4.13 ng
 RT: 14.94 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Instrument :
 BNA_G
 ClientSampled :

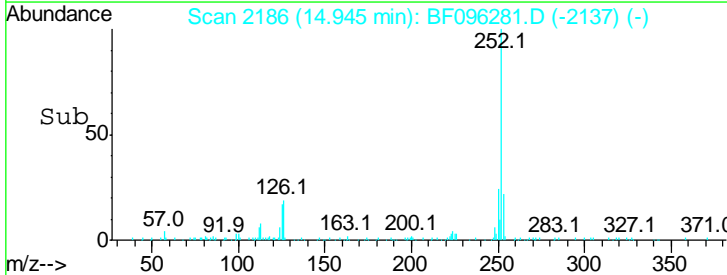
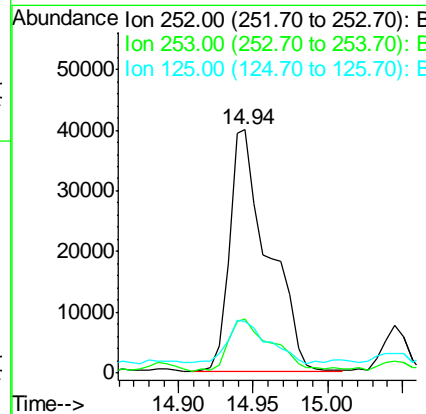
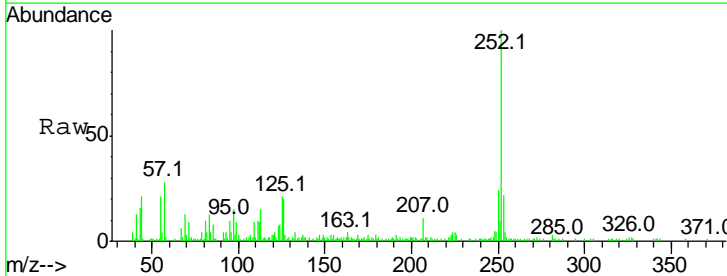
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	21.3	9.8	14.8#

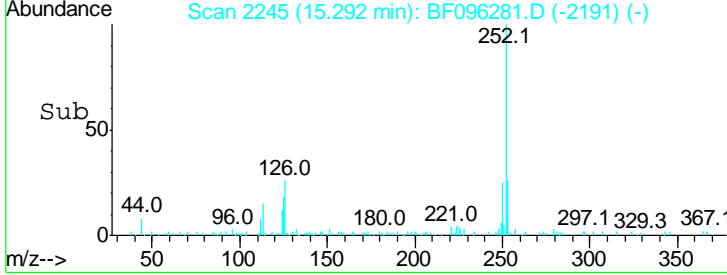
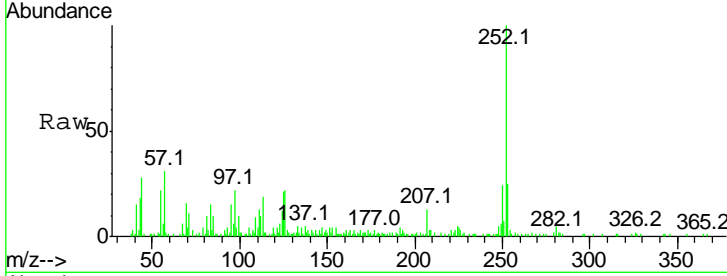
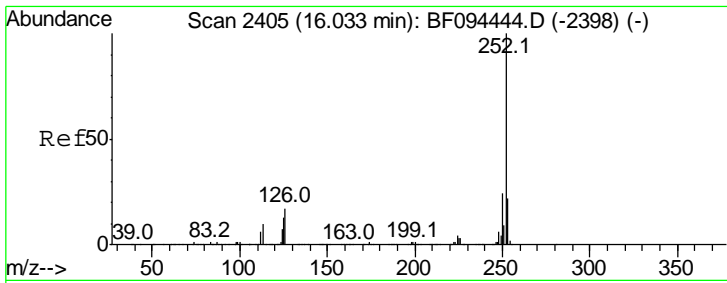


#88

Benzo(k)fluoranthene
 Concen: 4.52 ng
 RT: 14.94 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	21.3	13.1	19.7#





#89
 Benzo(a)pyrene
 Concen: 2.56 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. 0.02 min
 Lab File: BF096281.D
 Acq: 29 Jun 2017 6:54

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	252	Resp	39362
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.5	26.3
125	21.2	11.0	16.4#

