

Data File : BF093126.D  
 Acq On : 24 Feb 2017 1:24  
 Operator : SJ/MA  
 Sample : I1954-14  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLP-S-03(0-5)-D

Quant Time: Feb 24 02:38:36 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 2017  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	158040	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	598300	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	244355	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	358008	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	312459	20.00	ng	-0.02
86) Perylene-d12	15.43	264	265144	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	1147101	124.53	ng	-0.01
7) Phenol-d6	6.49	99	1528886	128.99	ng	0.00
23) Nitrobenzene-d5	7.41	82	862305	80.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	202935	114.83	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1238014	91.79	ng	-0.01
78) Terphenyl-d14	12.95	244	744673	56.00	ng	-0.02

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	57308	4.13	ng	# 65
19) n-Nitroso-di-n-propylamine	7.41	70	115626	15.32	ng	# 79
25) Isophorone	7.41	82	652039	32.57	ng	# 65
49) Dimethylphthalate	9.60	163	135539	8.24	ng	99
56) 2,4-Dinitrotoluene	9.88	165	30820	6.51	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.67	198	418	2.85	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	15586	4.17	ng	# 1
70) Phenanthrene	11.39	178	180115	8.78	ng	96
71) Anthracene	11.44	178	45353	2.20	ng	94
74) Fluoranthene	12.57	202	264172	12.49	ng	95
77) Pyrene	12.80	202	249331	10.66	ng	99
80) Benzo(a)anthracene	13.99	228	152815	8.00	ng	99
82) Chrysene	14.02	228	106375	5.95	ng	97
85) Indeno(1,2,3-cd)pyrene	16.82	276	47215	3.41	ng	94
87) Benzo(b)fluoranthene	15.01	252	187681	10.75	ng	# 95
88) Benzo(k)fluoranthene	15.01	252	187681	12.46	ng	# 95
89) Benzo(a)pyrene	15.37	252	99552	6.59	ng	96
91) Benzo(g,h,i)perylene	17.24	276	45531	3.69	ng	# 83

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

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CLP-S-03(0-5)-D

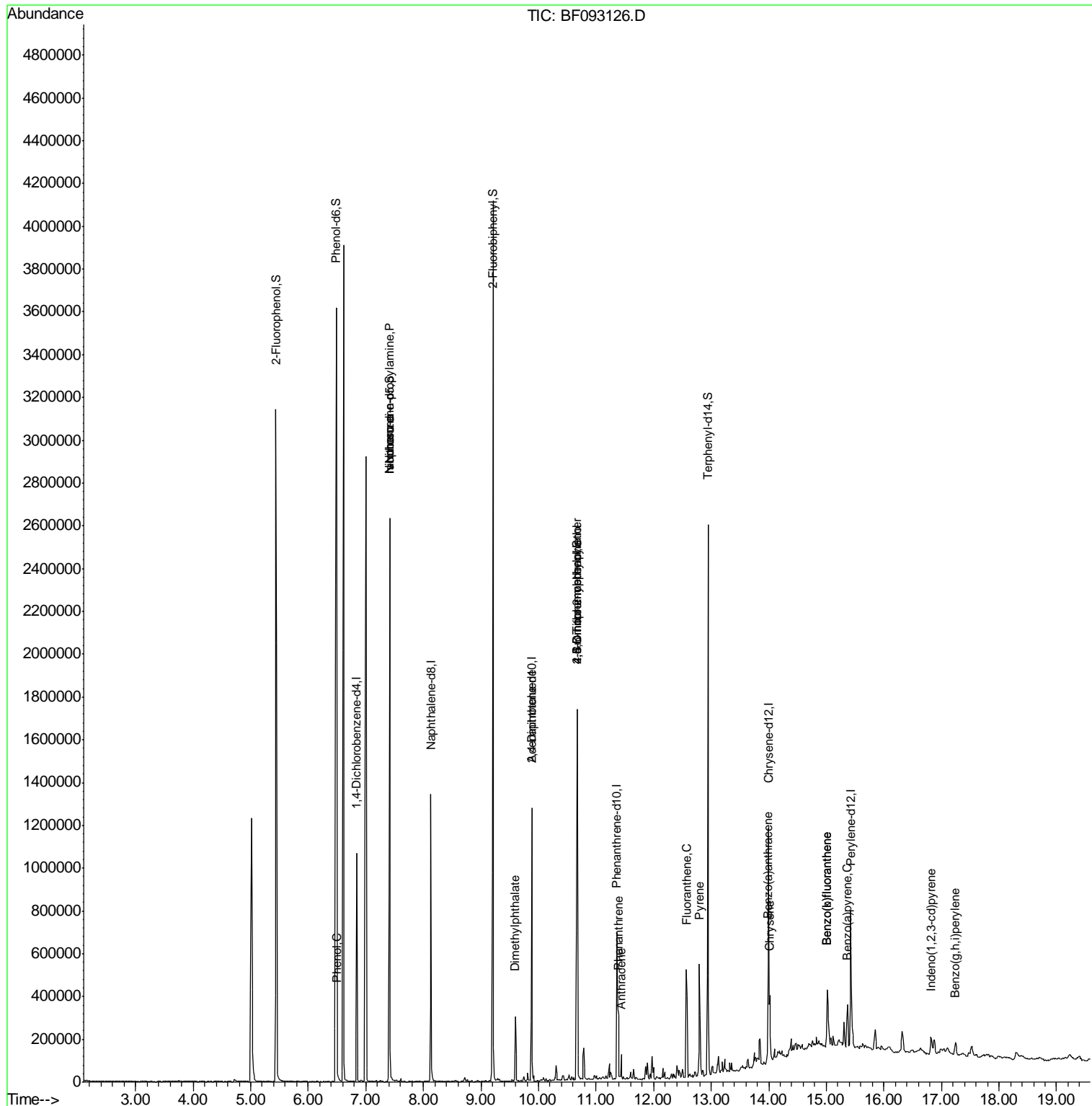
Quant Time: Feb 24 02:38:36 2017

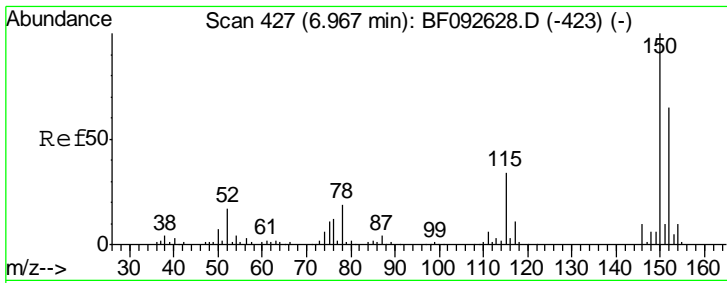
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

Response via : Initial Calibration

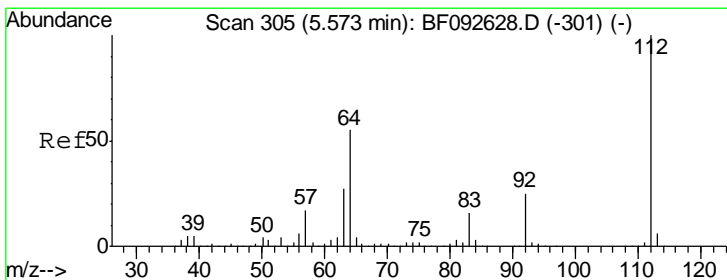
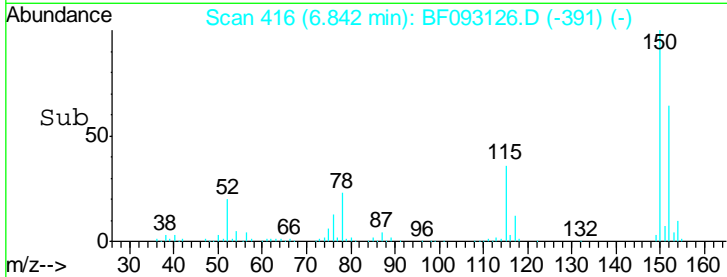
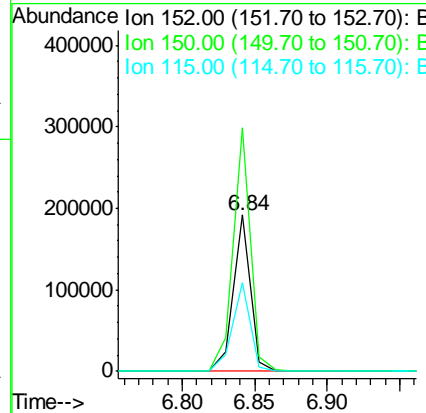
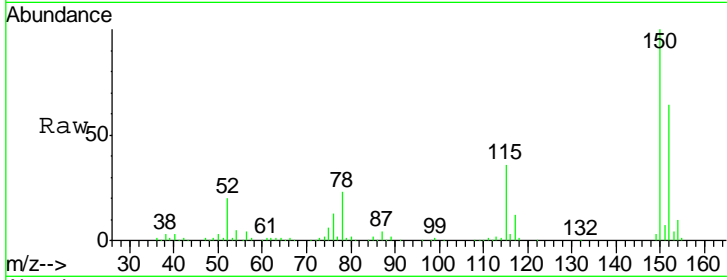




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.84 min Scan# 416  
 Delta R.T. -0.01 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

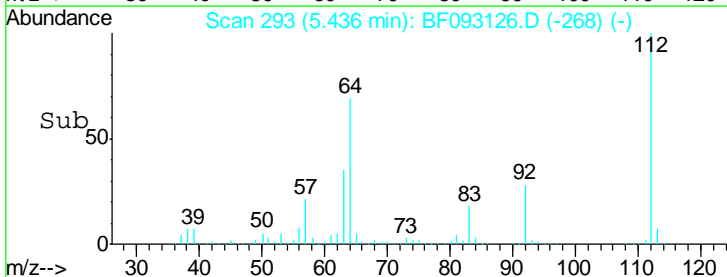
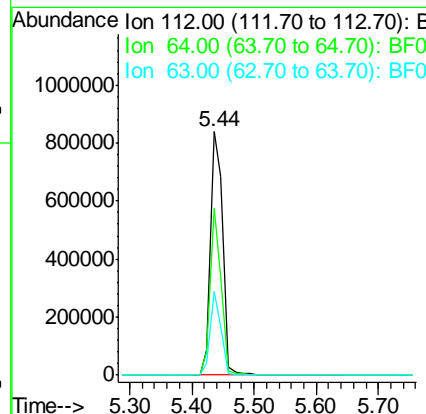
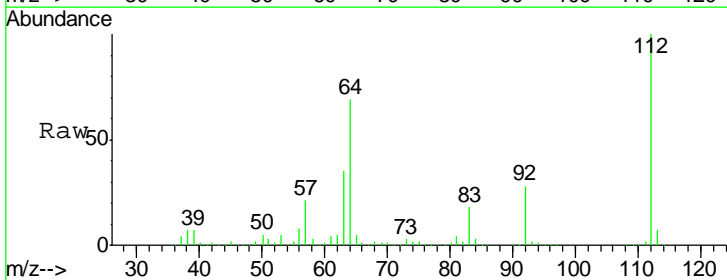
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLP-S-03(0-5)-D

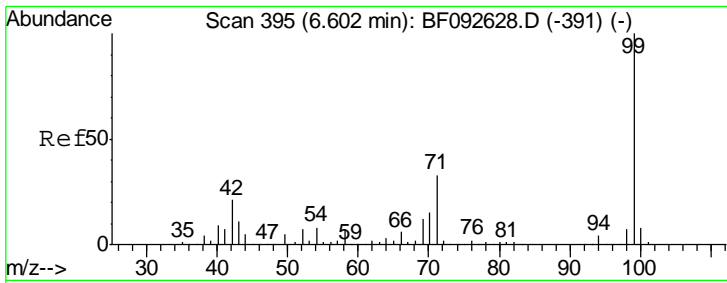
Tgt Ion	Resp	Lower	Upper
152	158040		
150	155.7	124.9	187.3
115	56.6	46.0	69.0



#5  
 2-Fluorophenol  
 Concen: 124.53 ng  
 RT: 5.44 min Scan# 293  
 Delta R.T. -0.01 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion	Resp	Lower	Upper
112	1147101		
64	68.7	46.1	69.1
63	34.6	23.8	35.6



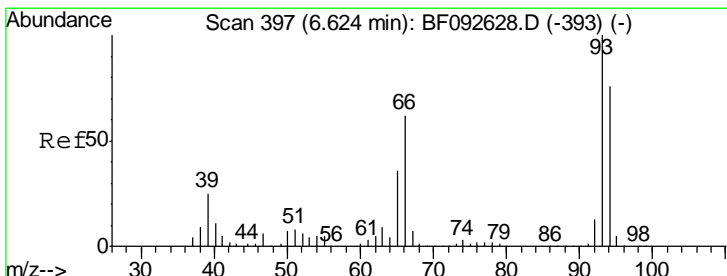
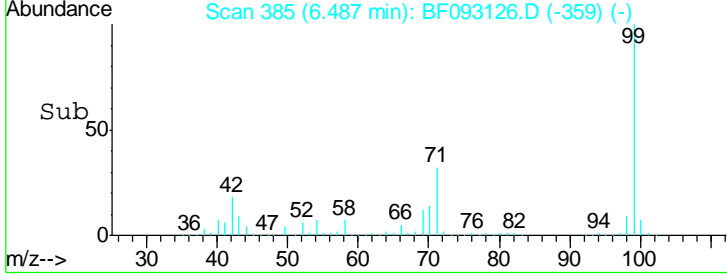
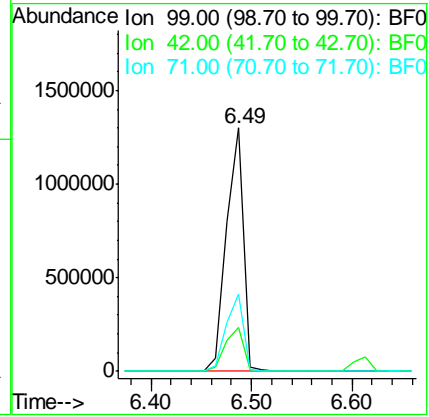
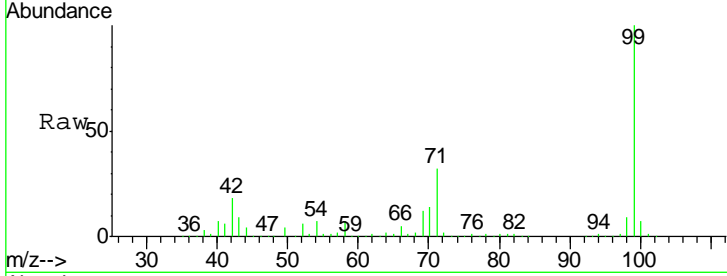


#7  
 Phenol-d6  
 Concen: 128.99 ng  
 RT: 6.49 min Scan# 385  
 Delta R.T. -0.00 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

**Instrument :**  
 BNA\_F  
**ClientSampleId :**  
 CLP-S-03(0-5)-D

Tgt Ion: 99 Resp: 1528886

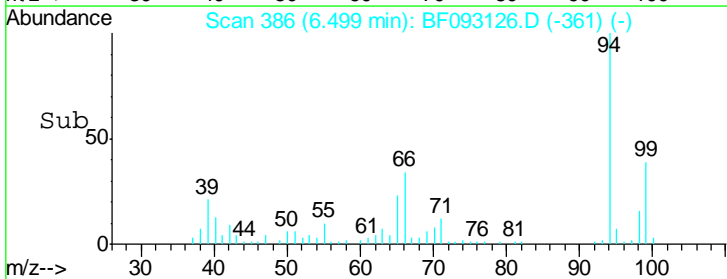
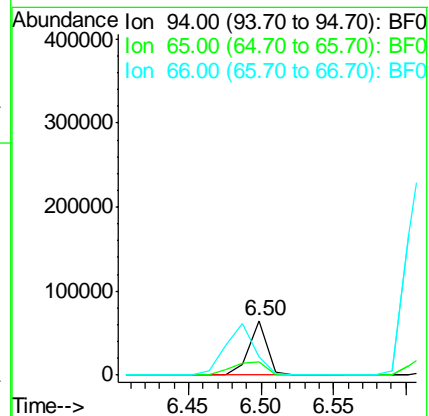
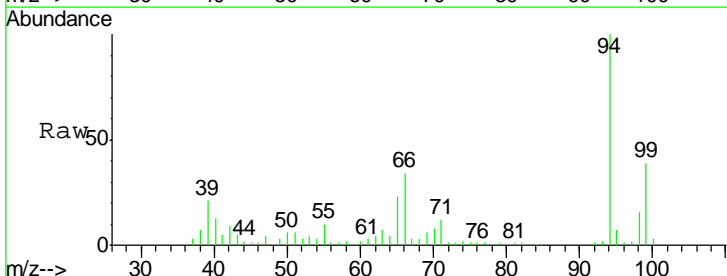
Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.6	23.4
71	31.5	27.5	41.3

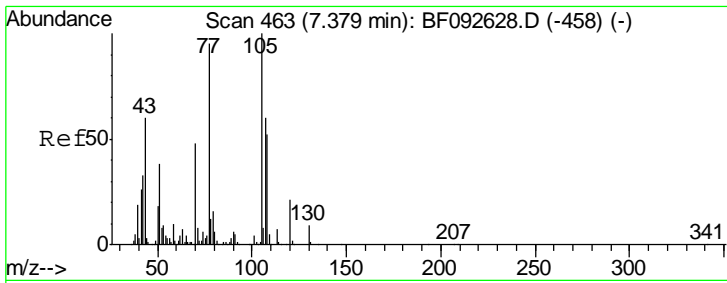


#10  
 Phenol  
 Concen: 4.13 ng  
 RT: 6.50 min Scan# 386  
 Delta R.T. -0.01 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion: 94 Resp: 57308

Ion	Ratio	Lower	Upper
94	100		
65	23.2	21.4	61.4
66	33.6	44.0	84.0#

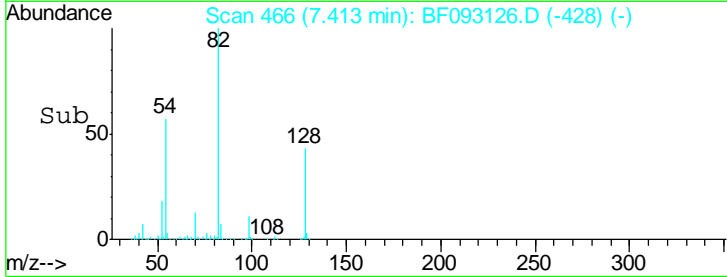
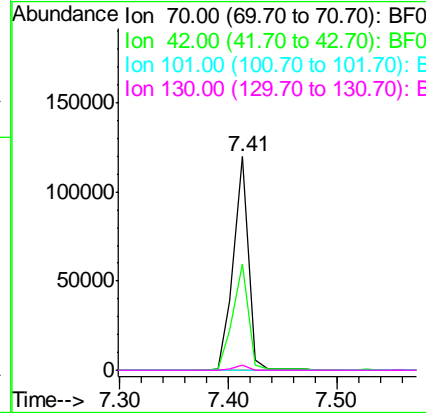
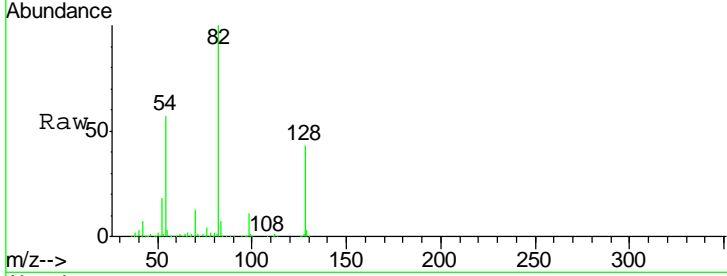




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 15.32 ng  
 RT: 7.41 min Scan# 466  
 Delta R.T. 0.14 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

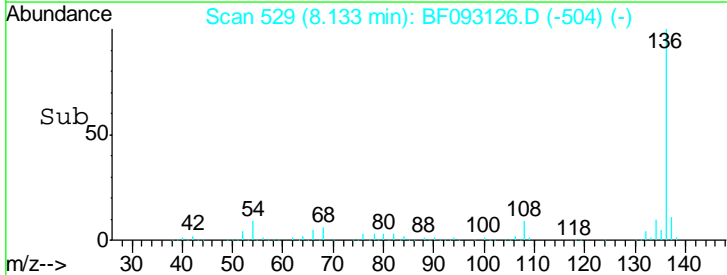
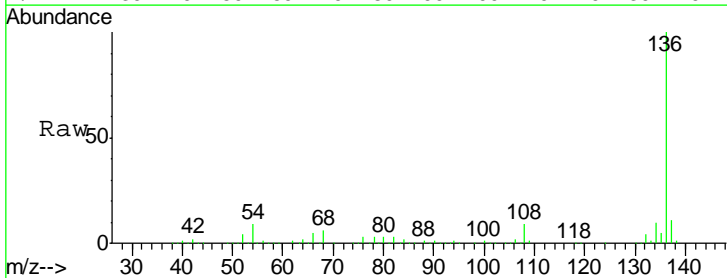
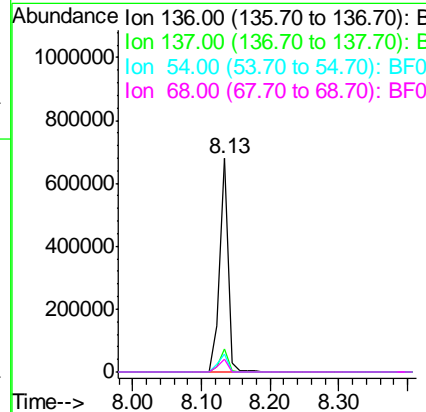
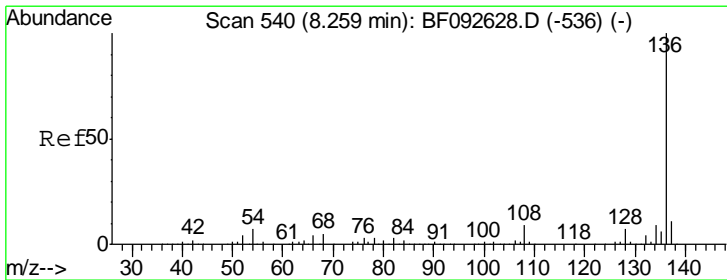
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 CLP-S-03(0-5)-D

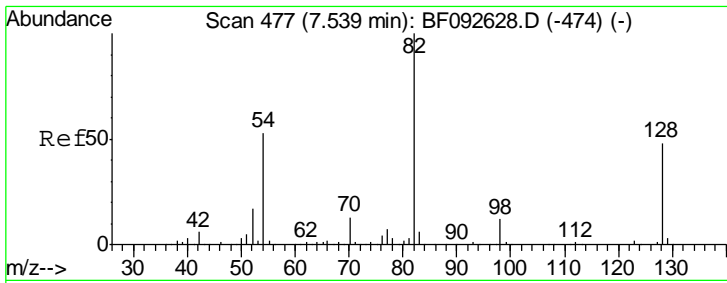
Tgt Ion	Resp	Lower	Upper
70	115626		
70	100		
42	49.5	49.4	74.0
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#



#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 8.13 min Scan# 529  
 Delta R.T. -0.01 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion	Resp	Lower	Upper
136	598300		
136	100		
137	11.1	8.4	12.6
54	8.6	4.5	6.7#
68	6.1	3.6	5.4#

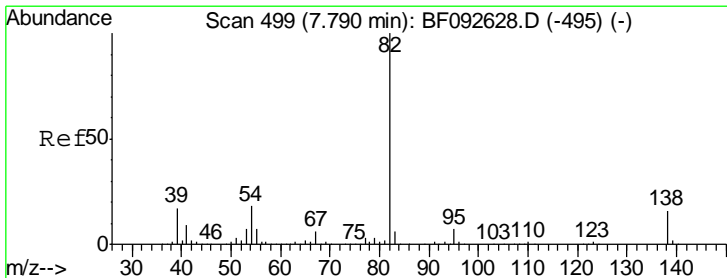
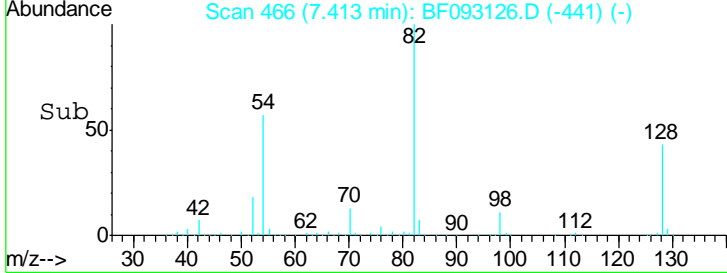
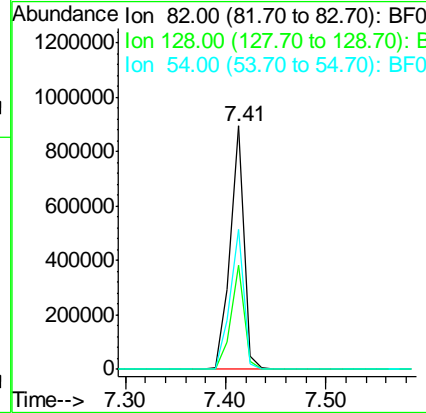
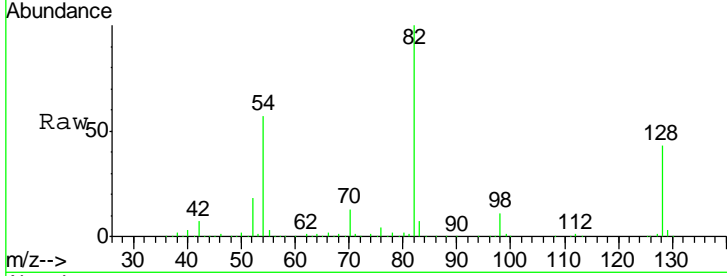




#23  
 Nitrobenzene-d5  
 Concen: 80.26 ng  
 RT: 7.41 min Scan# 466  
 Delta R.T. -0.01 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

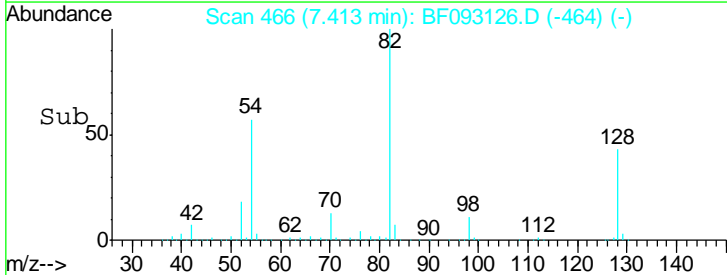
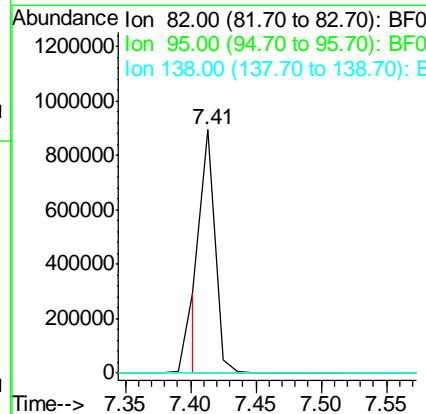
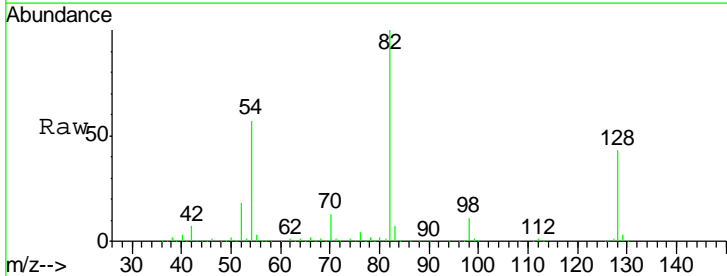
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 CLP-S-03(0-5)-D

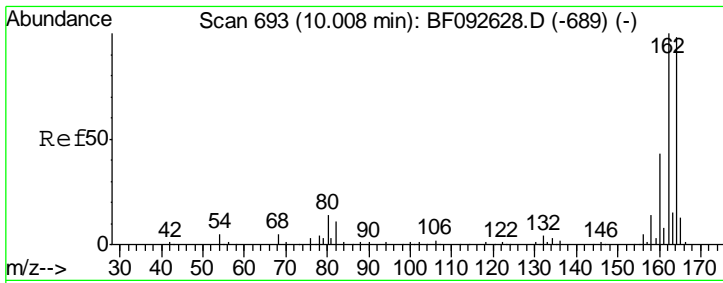
Tgt Ion	Resp	Lower	Upper
82	100		
128	42.9	34.6	52.0
54	57.5	39.5	59.3



#25  
 Isophorone  
 Concen: 32.57 ng  
 RT: 7.41 min Scan# 466  
 Delta R.T. -0.27 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion	Resp	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#

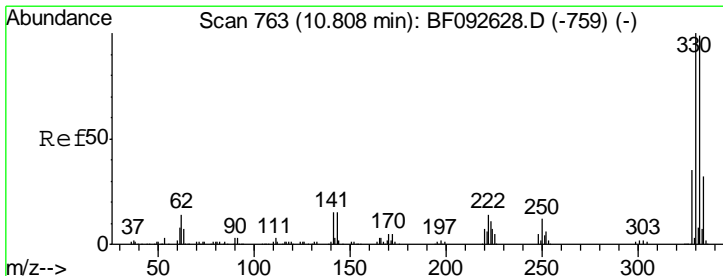
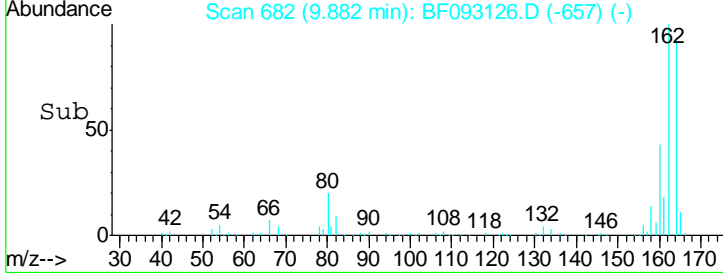
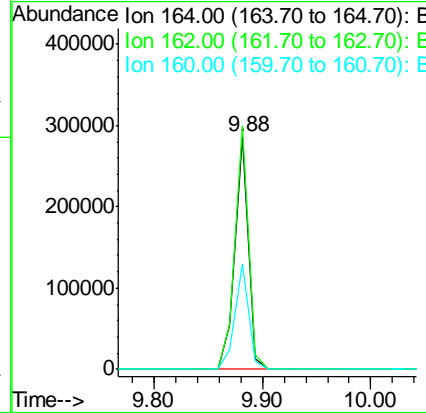
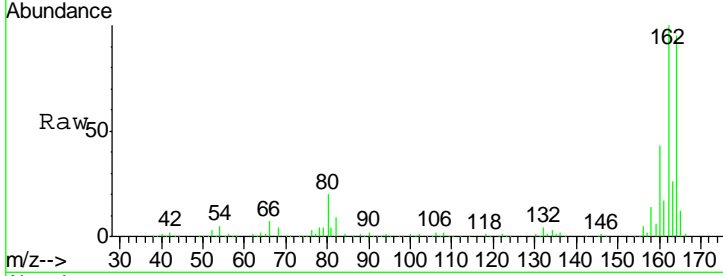




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.88 min Scan# 682  
 Delta R.T. -0.01 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

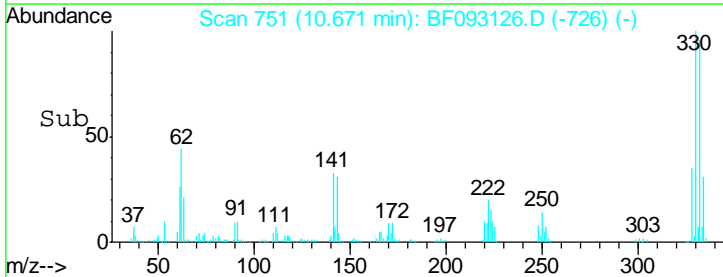
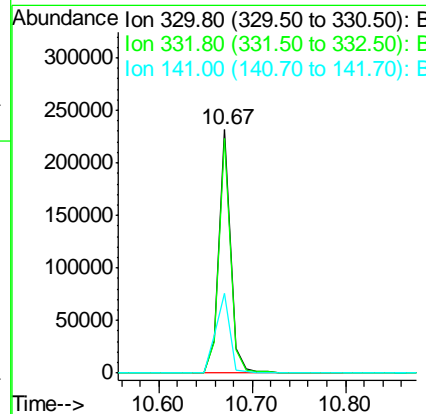
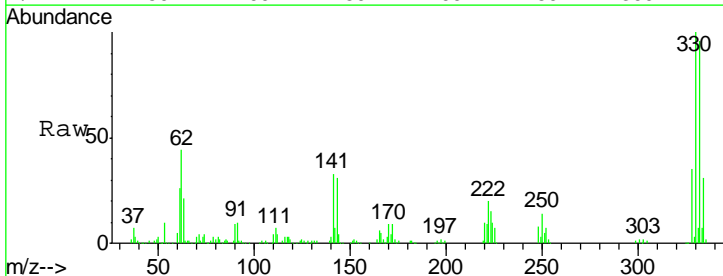
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLP-S-03(0-5)-D

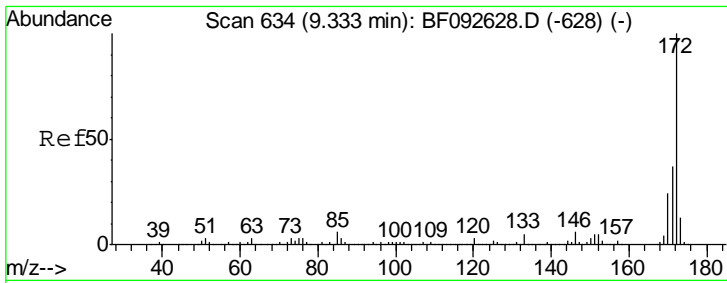
Tgt Ion	Resp	Lower	Upper
164	100		
162	104.8	80.2	120.2
160	45.2	36.9	55.3



#41  
 2,4,6-Tribromophenol  
 Concen: 114.83 ng  
 RT: 10.67 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion	Resp	Lower	Upper
330	100		
332	96.2	77.4	116.2
141	40.1	34.1	51.1



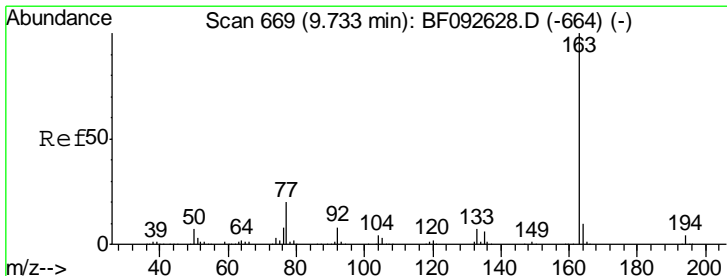
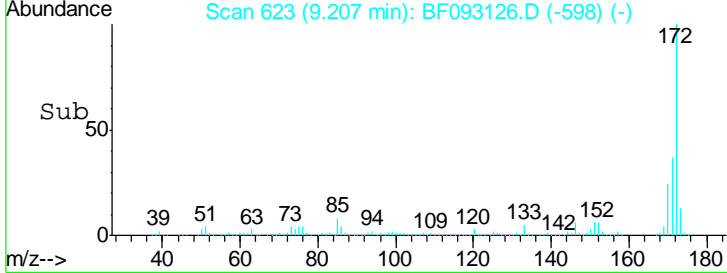
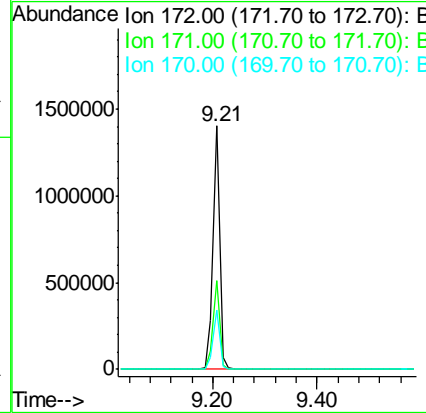
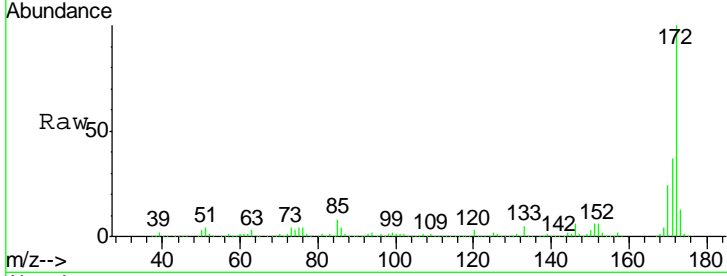


#44  
 2-Fluorobiphenyl  
 Concen: 91.79 ng  
 RT: 9.21 min Scan# 623  
 Delta R.T. -0.01 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 CLP-S-03(0-5)-D

Tgt Ion:172 Resp: 1238014

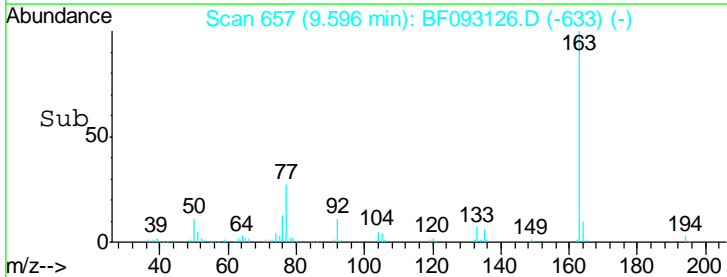
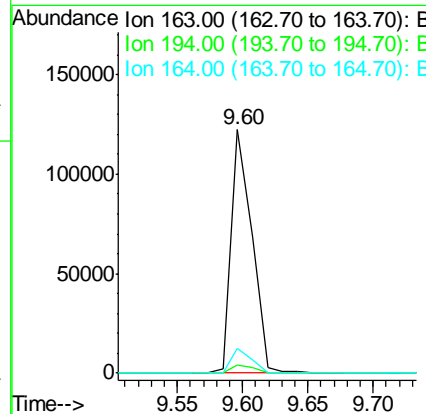
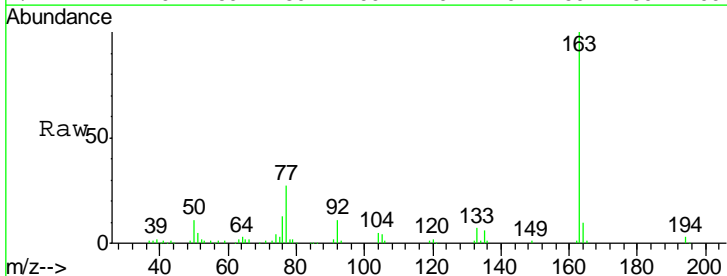
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.5	20.2	30.4



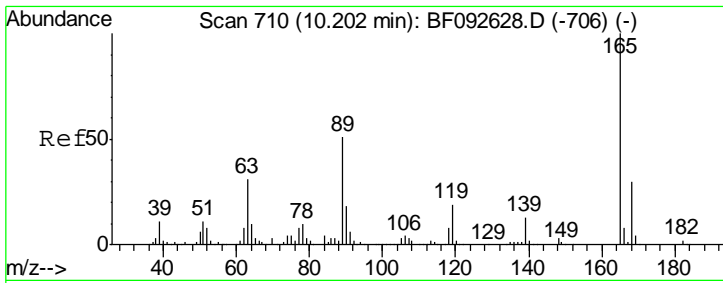
#49  
 Dimethylphthalate  
 Concen: 8.24 ng  
 RT: 9.60 min Scan# 657  
 Delta R.T. -0.02 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion:163 Resp: 135539

Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.0	4.4
164	9.9	8.0	12.0



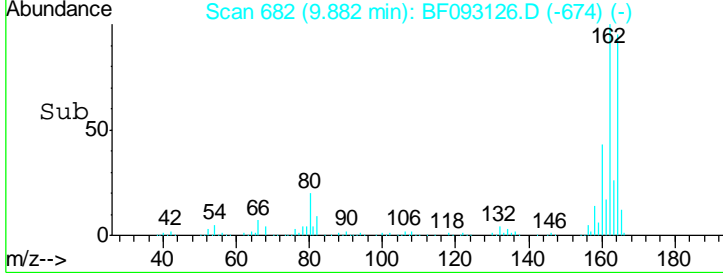
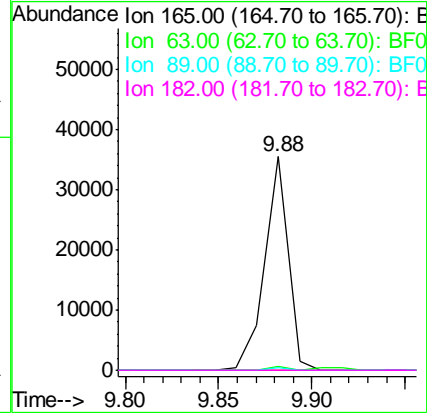
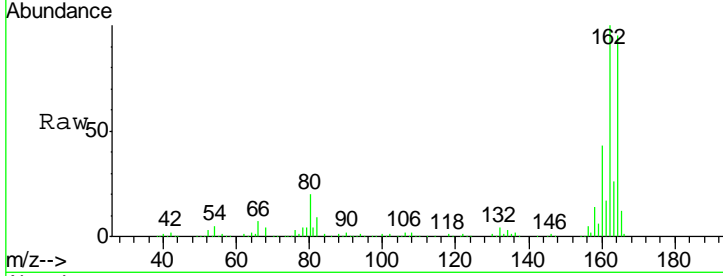




#56  
 2,4-Dinitrotoluene  
 Concen: 6.51 ng  
 RT: 9.88 min Scan# 682  
 Delta R.T. -0.21 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

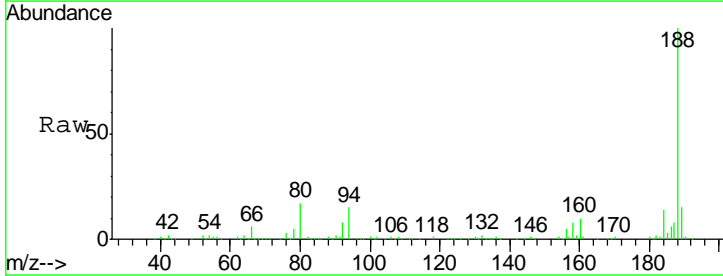
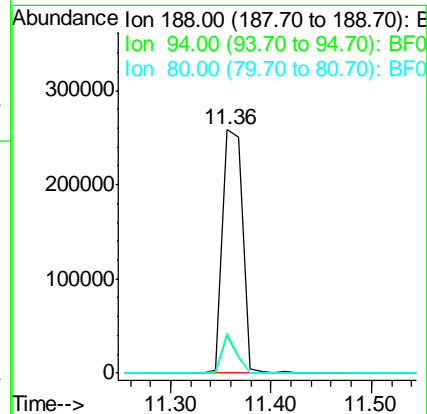
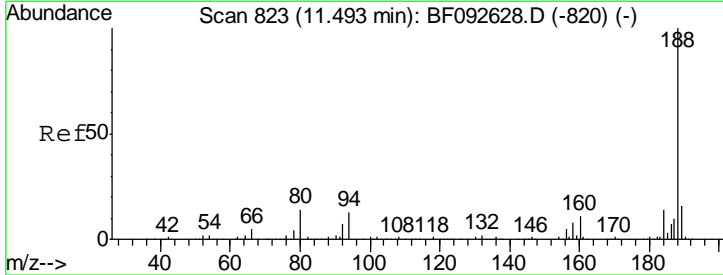
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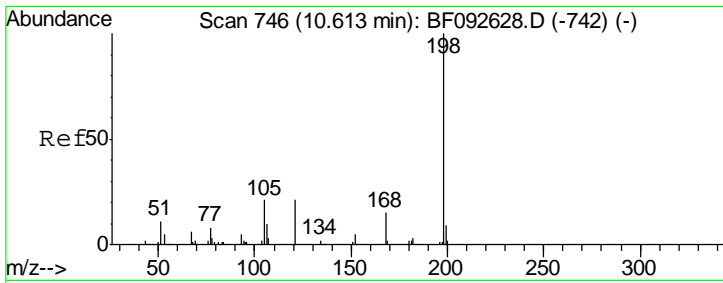
Tgt Ion	Resp	Lower	Upper
165	100		
63	1.6	40.2	60.4#
89	1.3	62.5	93.7#
182	0.0	1.8	2.8#



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.36 min Scan# 811  
 Delta R.T. -0.02 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion	Resp	Lower	Upper
188	100		
94	15.5	10.0	15.0#
80	16.5	11.2	16.8

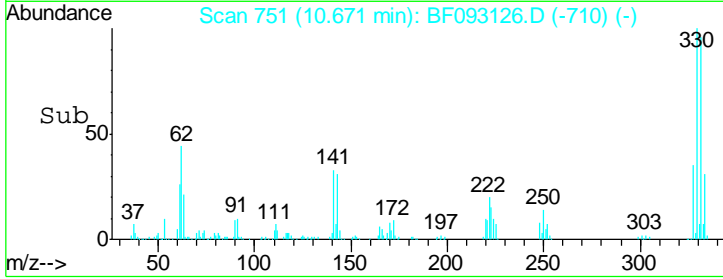
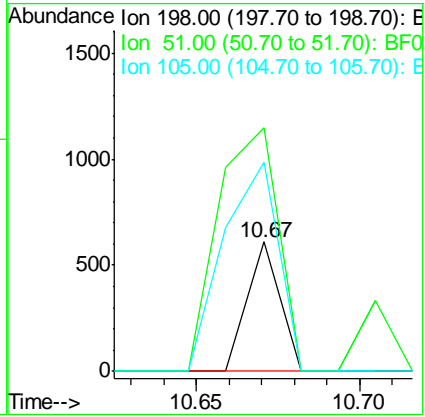
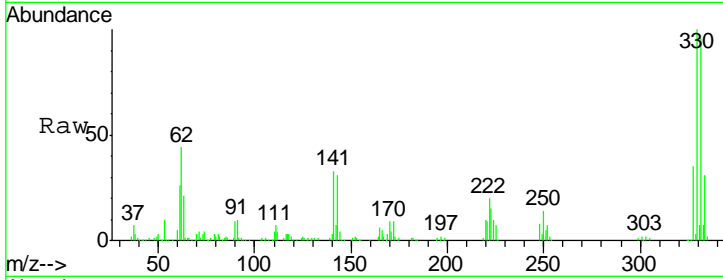




#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 2.85 ng  
 RT: 10.67 min Scan# 751  
 Delta R.T. 0.17 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

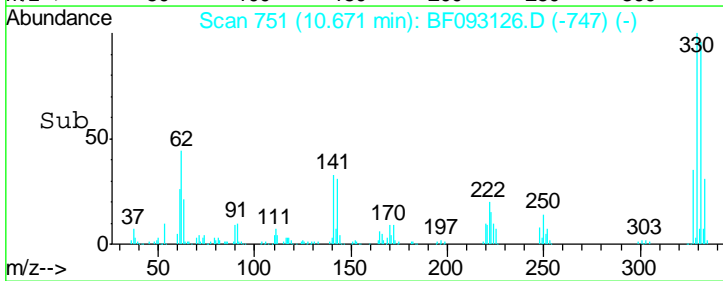
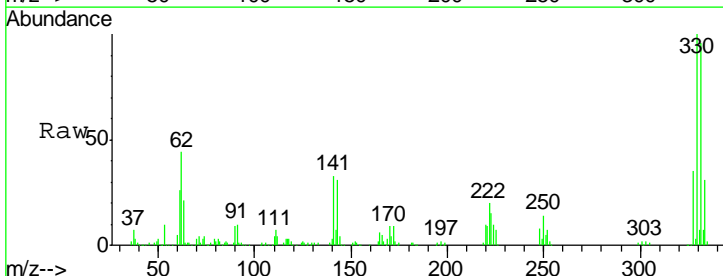
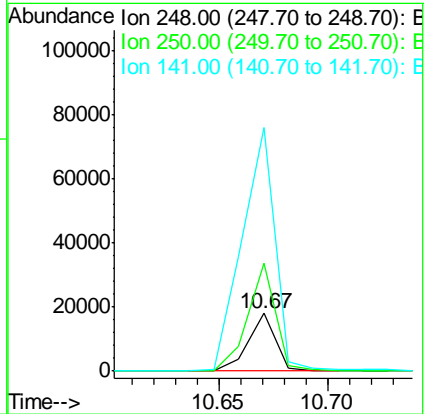
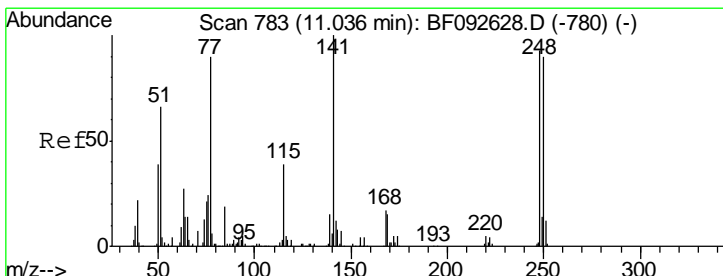
**Instrument :**  
 BNA\_F  
**ClientSampleId :**  
 CLP-S-03(0-5)-D

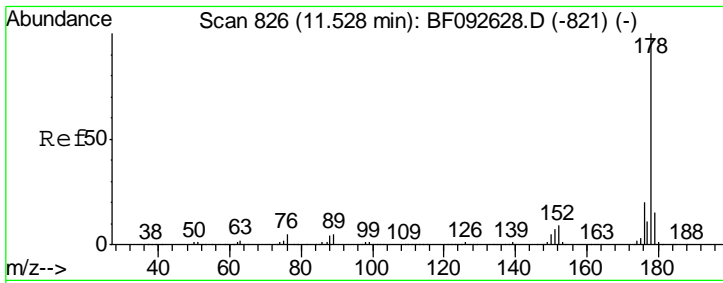
Tgt Ion	Resp	Lower	Upper
198	100		
51	188.3	6.7	46.7#
105	162.1	16.6	56.6#



#66  
 4-Bromophenyl-phenylether  
 Concen: 4.17 ng  
 RT: 10.67 min Scan# 751  
 Delta R.T. -0.25 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion	Resp	Lower	Upper
248	100		
250	186.6	76.9	115.3#
141	422.7	68.2	102.4#

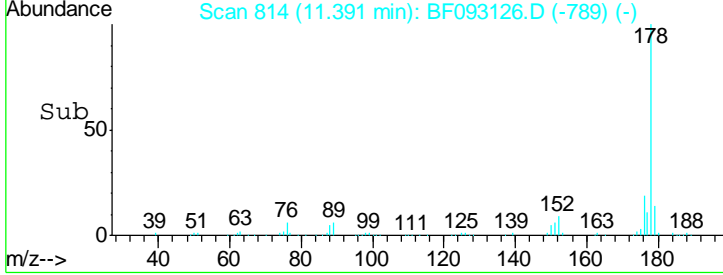
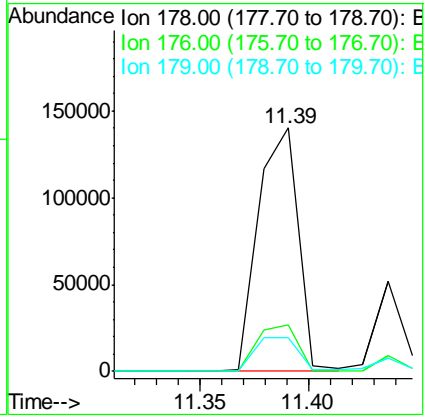
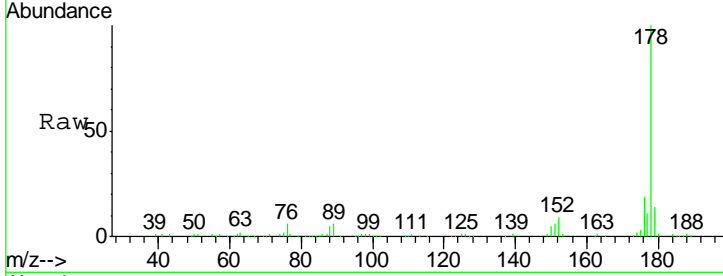




#70  
 Phenanthrene  
 Concen: 8.78 ng  
 RT: 11.39 min Scan# 814  
 Delta R.T. -0.01 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

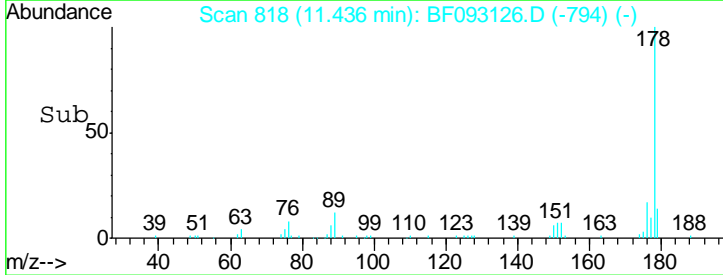
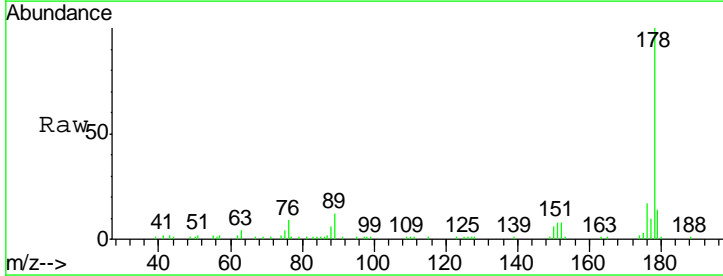
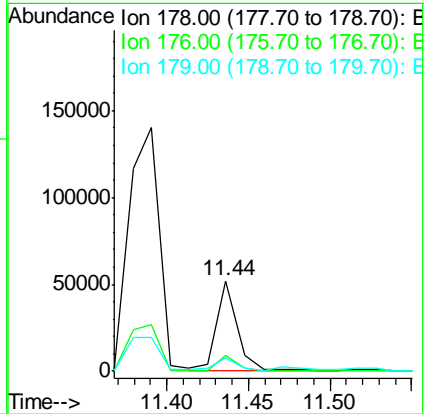
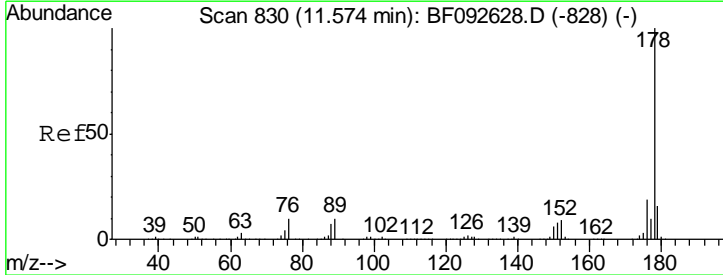
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLP-S-03(0-5)-D

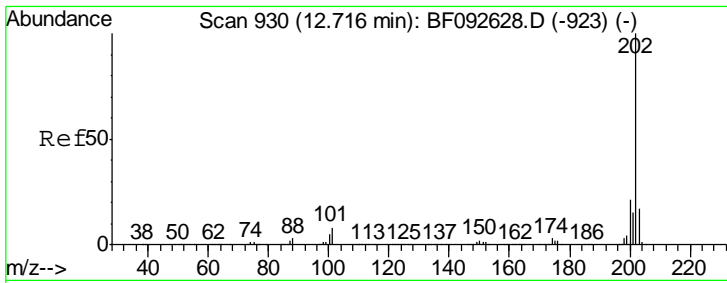
Tgt Ion	Resp	Lower	Upper
178	180115		
176	19.3	16.6	25.0
179	13.9	12.8	19.2



#71  
 Anthracene  
 Concen: 2.20 ng  
 RT: 11.44 min Scan# 818  
 Delta R.T. -0.02 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion	Resp	Lower	Upper
178	45353		
176	17.3	15.9	23.9
179	14.2	13.2	19.8

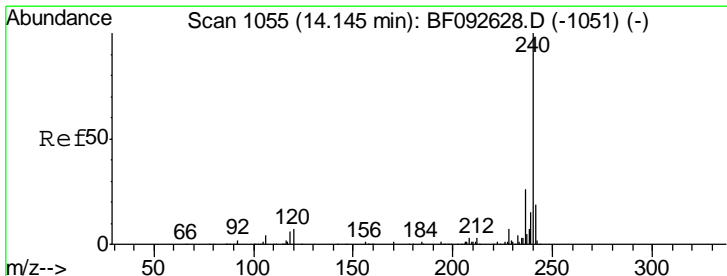
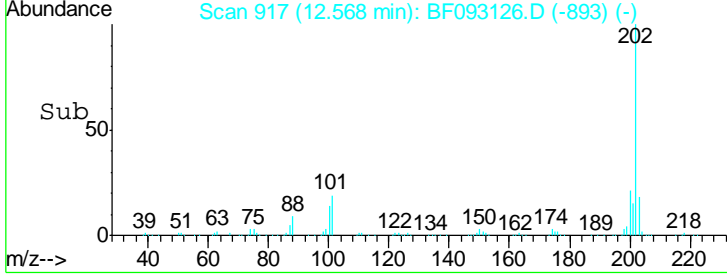
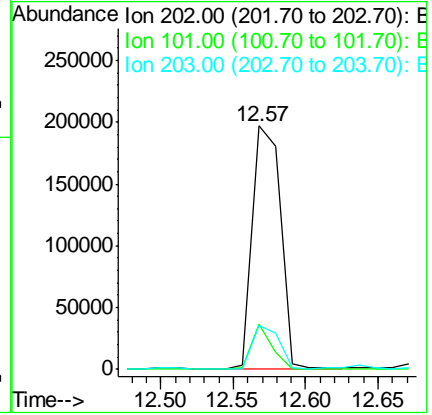
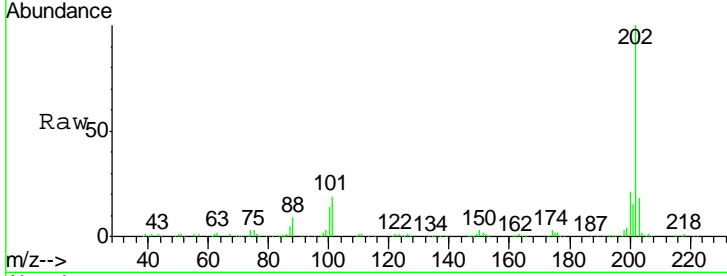




#74  
 Fluoranthene  
 Concen: 12.49 ng  
 RT: 12.57 min Scan# 917  
 Delta R.T. -0.02 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

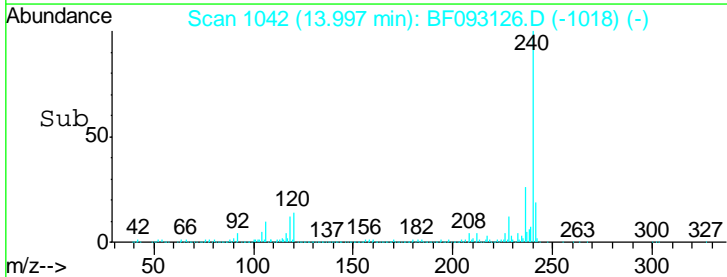
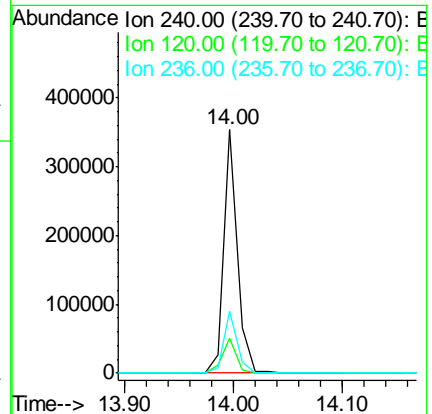
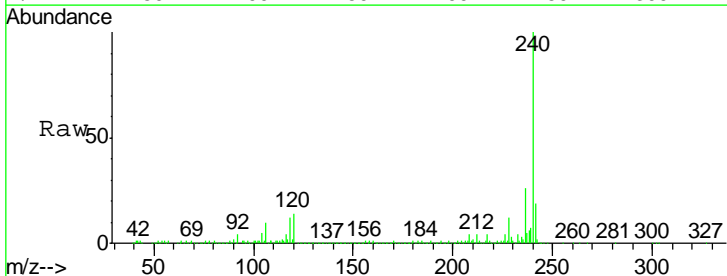
Instrument :  
 BNA\_F  
 ClientSampled :  
 CLP-S-03(0-5)-D

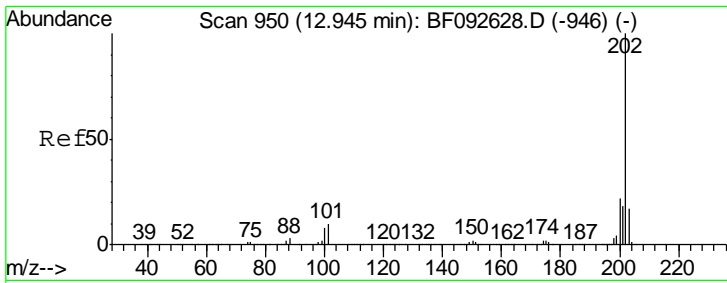
Tgt Ion	Resp	Lower	Upper
202	100		
101	18.8	0.0	34.6
203	17.9	0.0	38.7



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.00 min Scan# 1042  
 Delta R.T. -0.02 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion	Resp	Lower	Upper
240	100		
120	14.5	12.9	19.3
236	25.5	20.9	31.3



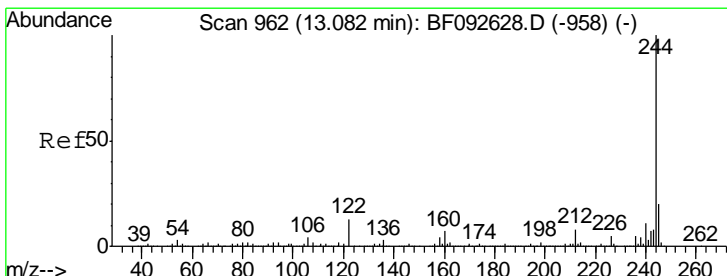
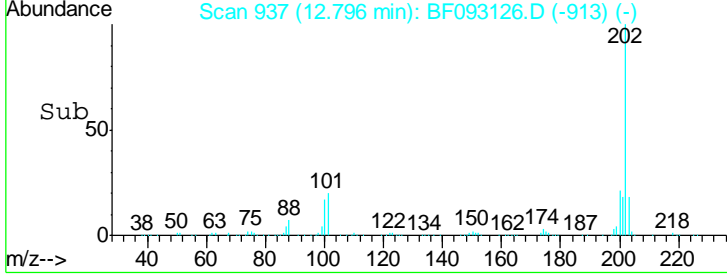
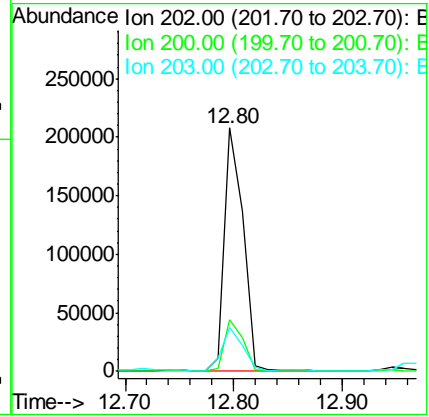
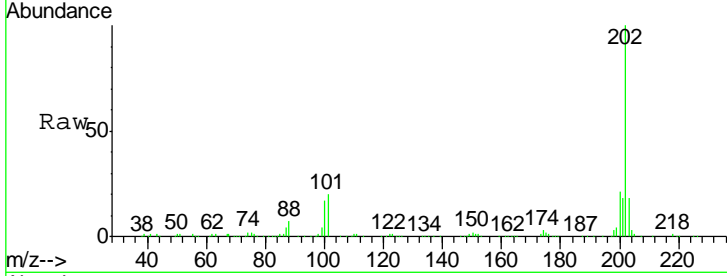


#77  
 Pyrene  
 Concen: 10.66 ng  
 RT: 12.80 min Scan# 937  
 Delta R.T. -0.02 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 CLP-S-03(0-5)-D

Tgt Ion: 202 Resp: 249331

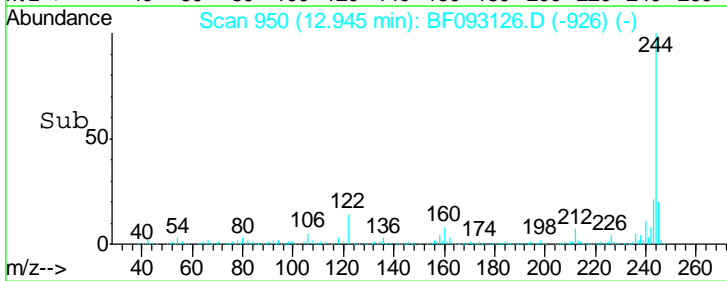
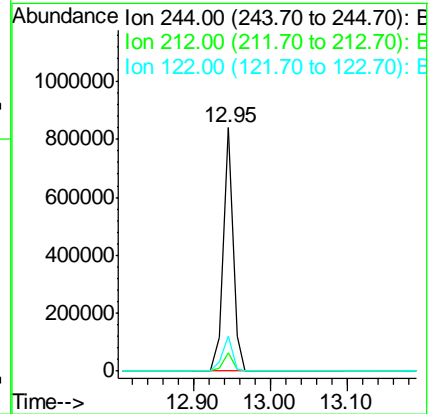
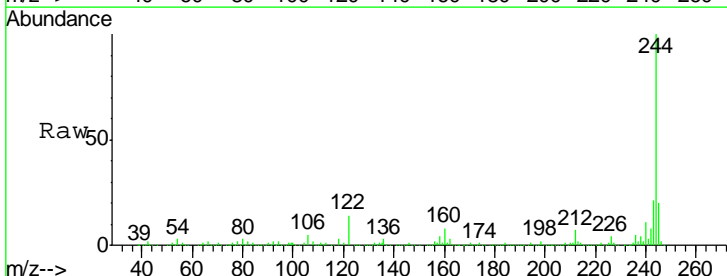
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	18.2	14.7	22.1

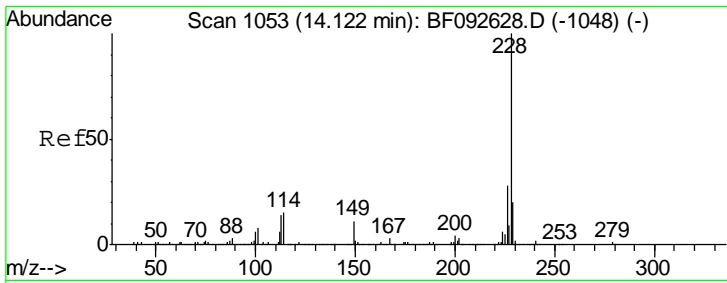


#78  
 Terphenyl-d14  
 Concen: 56.00 ng  
 RT: 12.95 min Scan# 950  
 Delta R.T. -0.02 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion: 244 Resp: 744673

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	14.2	11.4	17.2

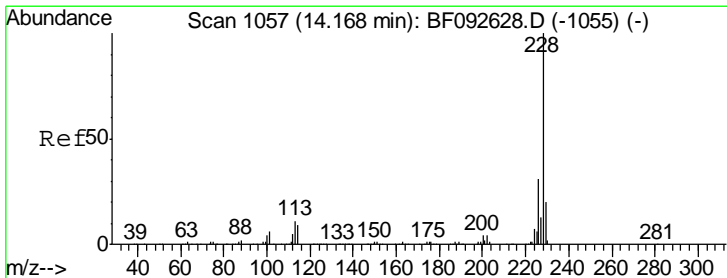
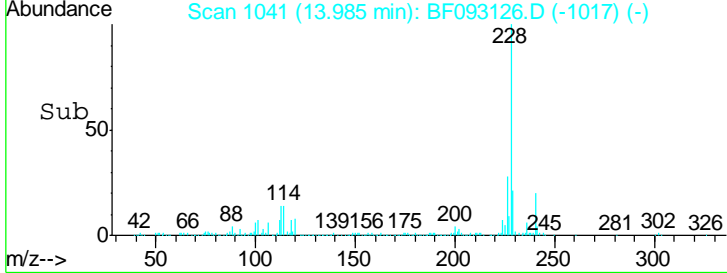
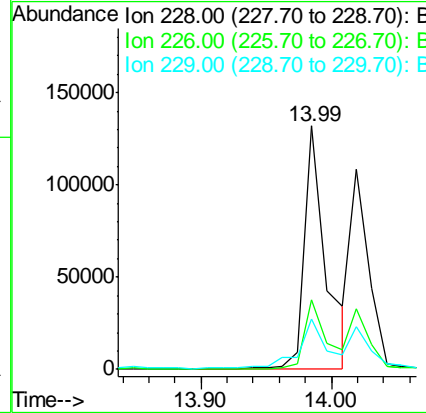
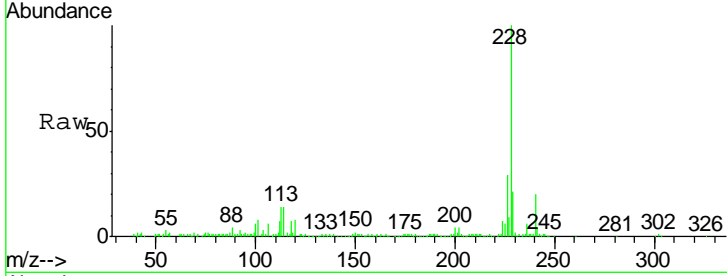




#80  
 Benzo(a)anthracene  
 Concen: 8.00 ng  
 RT: 13.99 min Scan# 1041  
 Delta R.T. -0.02 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

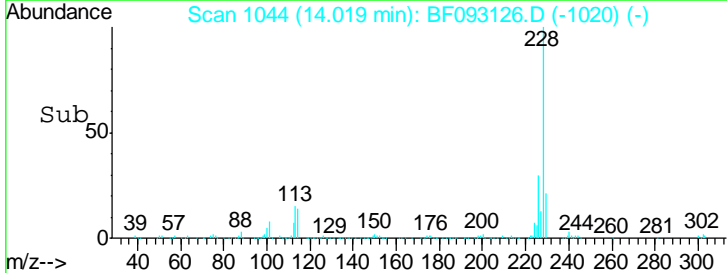
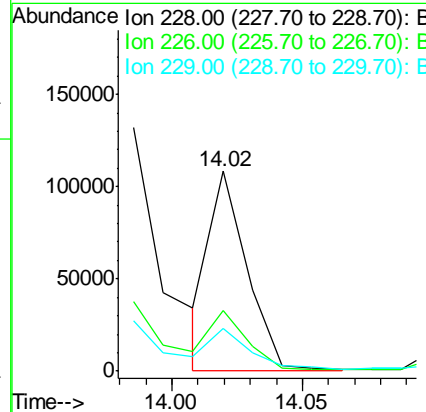
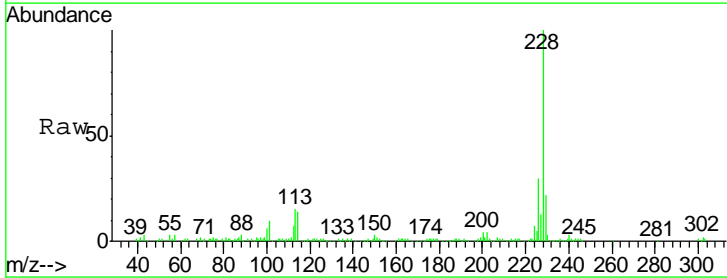
Instrument :  
 BNA\_F  
 ClientSampled :  
 CLP-S-03(0-5)-D

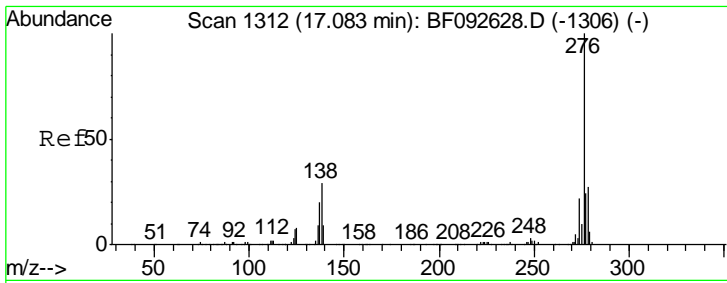
Tgt Ion	Resp	Lower	Upper
228	152815		
226	28.7	22.4	33.6
229	20.9	16.2	24.4



#82  
 Chrysene  
 Concen: 5.95 ng  
 RT: 14.02 min Scan# 1044  
 Delta R.T. -0.02 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion	Resp	Lower	Upper
228	106375		
226	30.4	25.4	38.0
229	21.5	16.2	24.2

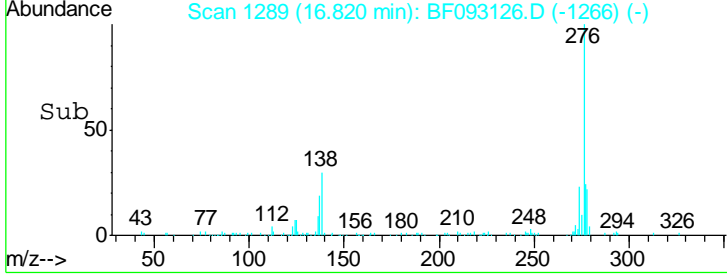
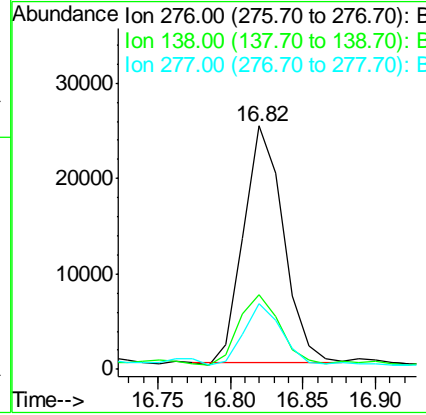
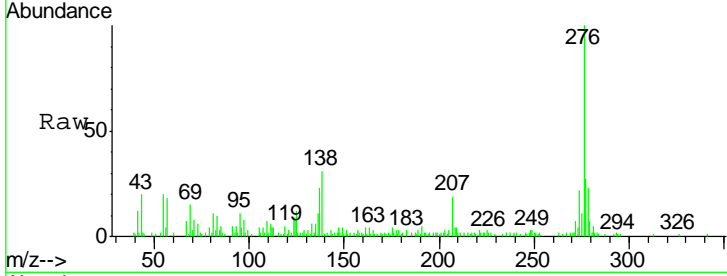




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.41 ng  
 RT: 16.82 min Scan# 1289  
 Delta R.T. -0.03 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

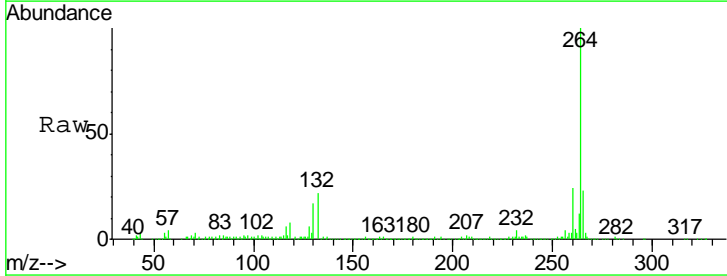
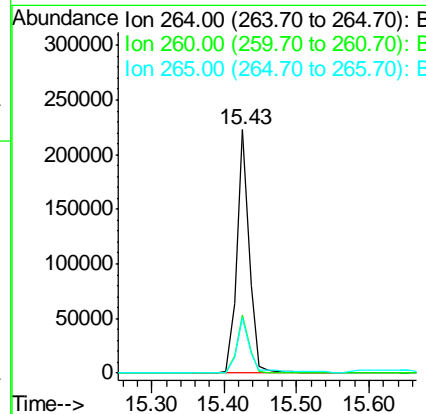
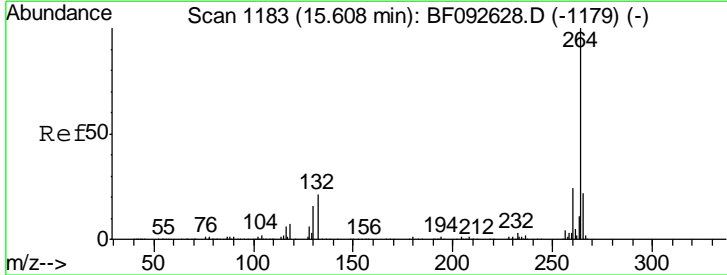
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLP-S-03(0-5)-D

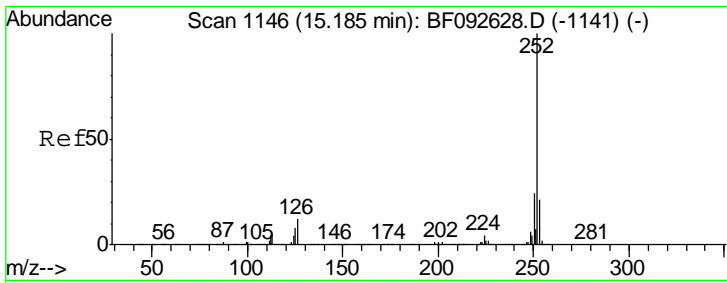
Tgt Ion	Resp	Lower	Upper
276	47215		
138	32.5	21.8	32.6
277	24.3	20.2	30.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.43 min Scan# 1167  
 Delta R.T. -0.02 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion	Resp	Lower	Upper
264	265144		
260	24.0	19.2	28.8
265	22.6	17.4	26.0

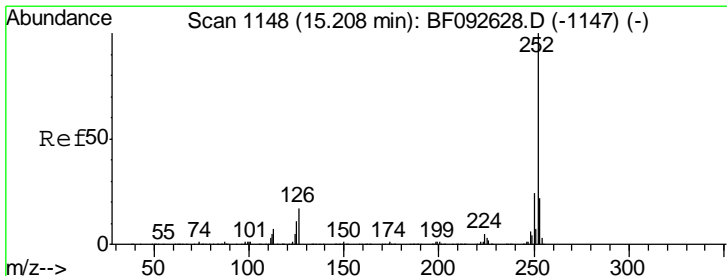
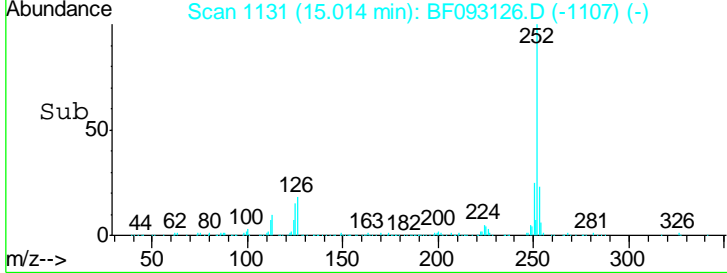
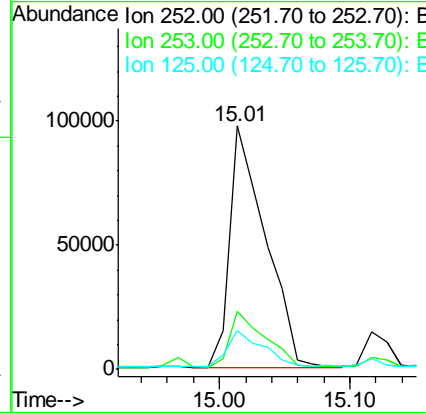
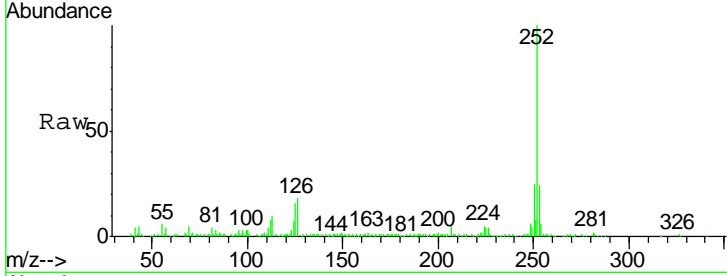




#87  
 Benzo(b)fluoranthene  
 Concen: 10.75 ng  
 RT: 15.01 min Scan# 1131  
 Delta R.T. -0.02 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

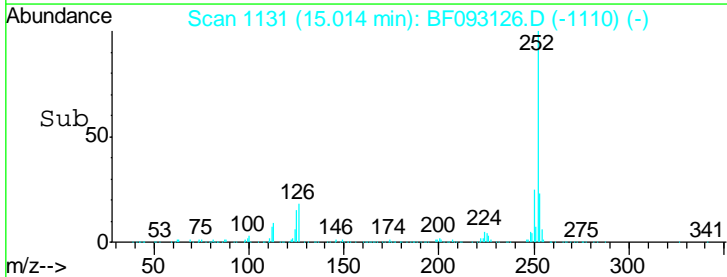
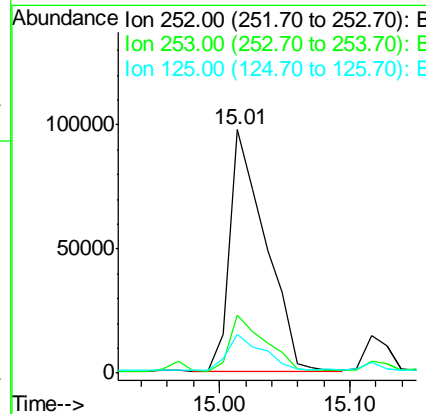
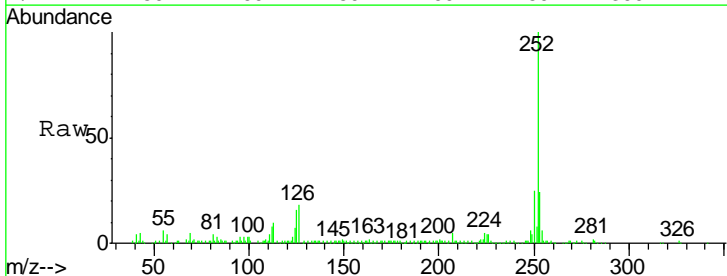
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLP-S-03(0-5)-D

Tgt Ion	Resp	Lower	Upper
252	187681		
253	23.9	18.2	27.4
125	15.8	9.8	14.6

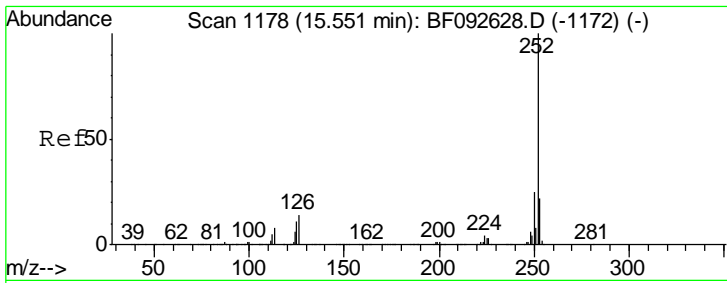


#88  
 Benzo(k)fluoranthene  
 Concen: 12.46 ng  
 RT: 15.01 min Scan# 1131  
 Delta R.T. -0.06 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion	Resp	Lower	Upper
252	187681		
253	23.9	18.5	27.7
125	15.8	8.9	13.3



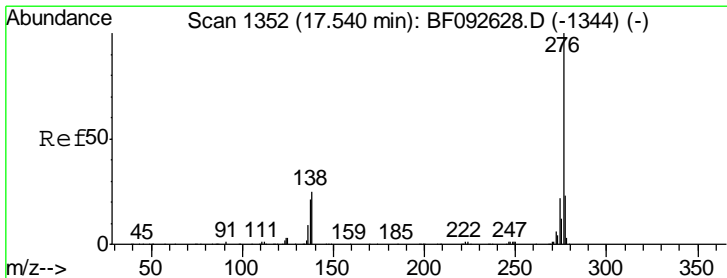
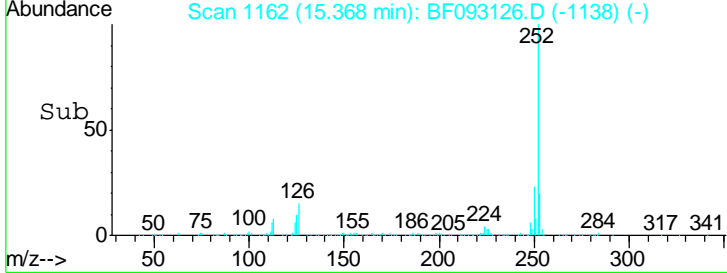
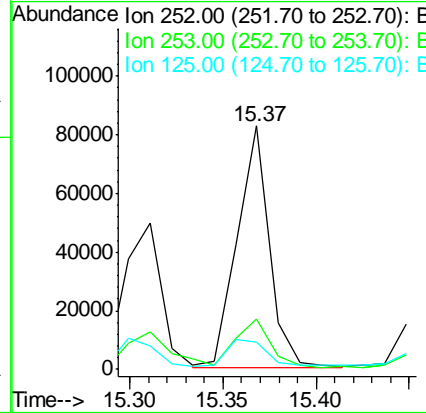
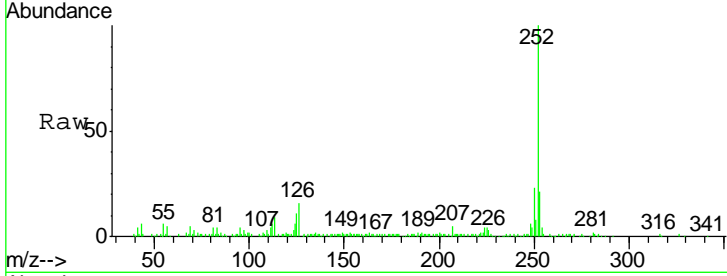




#89  
 Benzo(a)pyrene  
 Concen: 6.59 ng  
 RT: 15.37 min Scan# 1162  
 Delta R.T. -0.02 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLP-S-03(0-5)-D

Tgt Ion	Resp	Lower	Upper
252	100		
253	20.9	18.2	27.2
125	11.3	10.0	15.0



#91  
 Benzo(g,h,i)perylene  
 Concen: 3.69 ng  
 RT: 17.24 min Scan# 1326  
 Delta R.T. -0.05 min  
 Lab File: BF093126.D  
 Acq: 24 Feb 2017 1:24

Tgt Ion	Resp	Lower	Upper
276	100		
277	26.1	19.2	28.8
138	34.8	16.0	24.0#

