

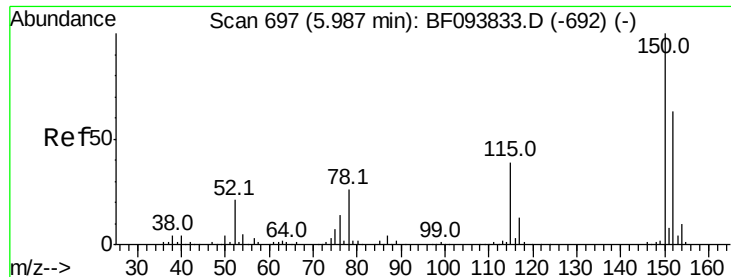
Data Path : Z:\HPCHEM1\BNA F\Data\BF032217\
 Data File : BF093874.D
 Acq On : 23 Mar 2017 10:51
 Operator : SJ/MA
 Sample : I2337-06 5X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 17:06:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	182249	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	712403	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	298358	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	443172	20.00	ng	0.00
75) Chrysene-d12	14.71	240	330341	20.00	ng	0.00
86) Perylene-d12	16.35	264	303678	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	230894	21.40	ng	0.00
7) Phenol-d6	5.56	99	282152	21.14	ng	-0.01
23) Nitrobenzene-d5	6.62	82	164294	13.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	41962	17.80	ng	-0.01
44) 2-Fluorobiphenyl	8.81	172	304878	15.59	ng	-0.01
78) Terphenyl-d14	13.43	244	159999	10.86	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.62	70	21502	2.51	ng	# 80
50) 2,6-Dinitrotoluene	9.63	165	39201	8.06	ng	# 34
56) 2,4-Dinitrotoluene	9.63	165	39201	6.42	ng	# 33
70) Phenanthrene	11.49	178	125551	5.09	ng	98
71) Anthracene	11.55	178	74532	2.94	ng	98
74) Fluoranthene	12.95	202	264372	10.47	ng	98
77) Pyrene	13.23	202	358862	14.97	ng	99
80) Benzo(a)anthracene	14.70	228	179687	9.33	ng	97
82) Chrysene	14.74	228	182039	10.18	ng	97
83) Bis(2-ethylhexyl)phthalate	14.76	149	33994	2.44	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.73	276	67415	4.35	ng	92
87) Benzo(b)fluoranthene	15.93	252	299763	16.10	ng	# 97
88) Benzo(k)fluoranthene	15.93	252	299763	16.46	ng	97
89) Benzo(a)pyrene	16.29	252	122517	7.15	ng	95
91) Benzo(a,h,i)perylene	18.14	276	61342	4.19	ng	96

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

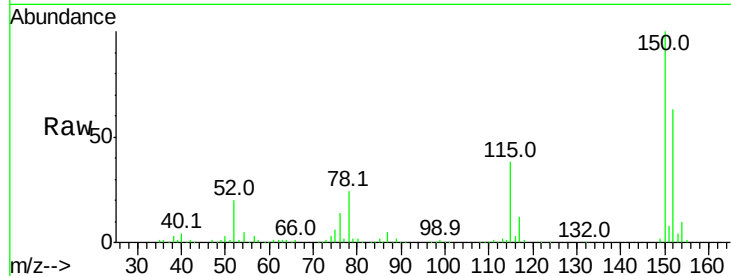


#1

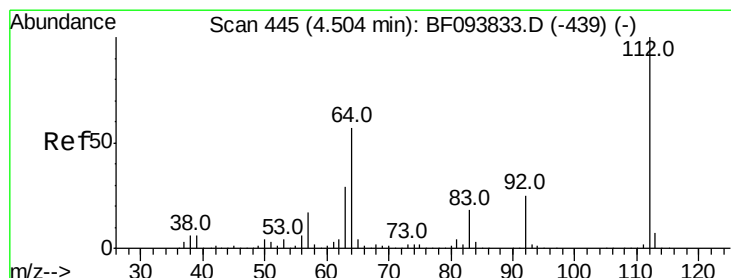
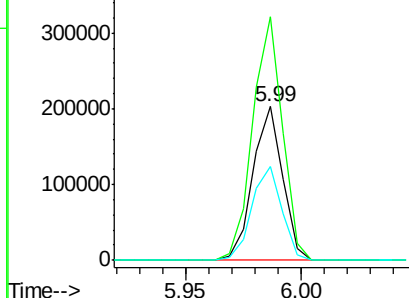
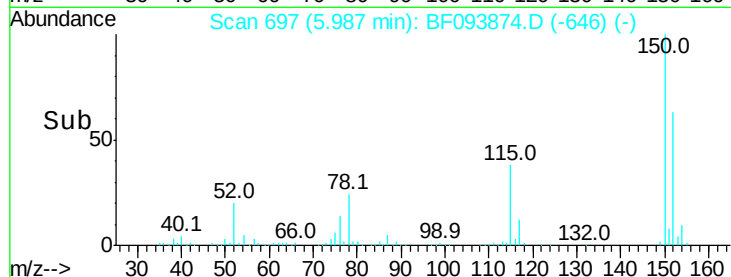
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.99 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 182249
 Ion Ratio Lower Upper
 152 100
 150 158.2 126.2 189.2
 115 60.7 52.2 78.2



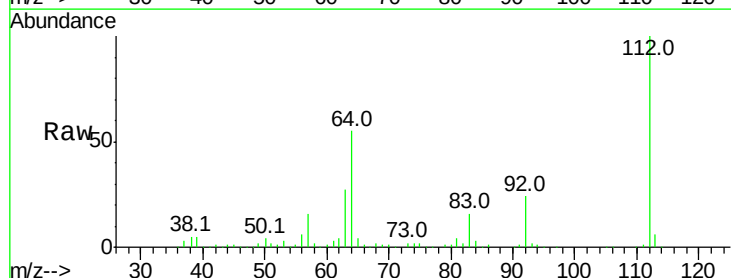
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



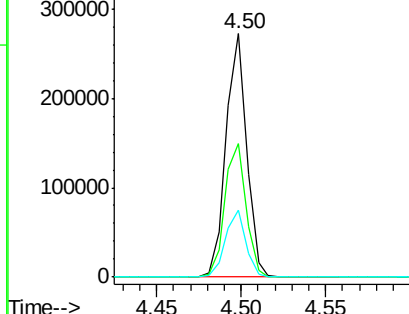
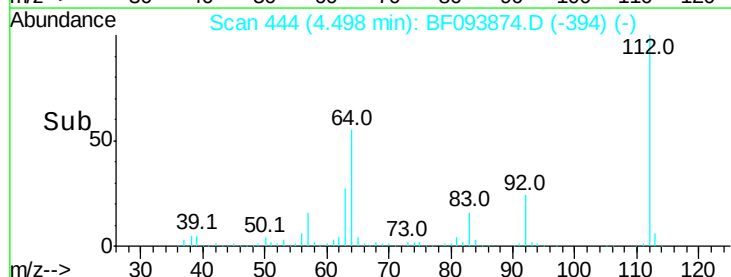
#5

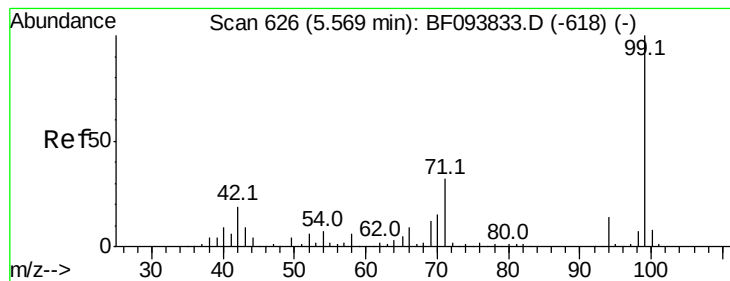
2-Fluorophenol
 Concen: 21.40 ng
 RT: 4.50 min Scan# 444
 Delta R.T. -0.01 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

Tgt Ion:112 Resp: 230894
 Ion Ratio Lower Upper
 112 100
 64 54.8 46.0 69.0
 63 27.3 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.14 ng

RT: 5.56 min Scan# 624

Delta R.T. -0.01 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

Instrument :

BNA_F

ClientSampleId :

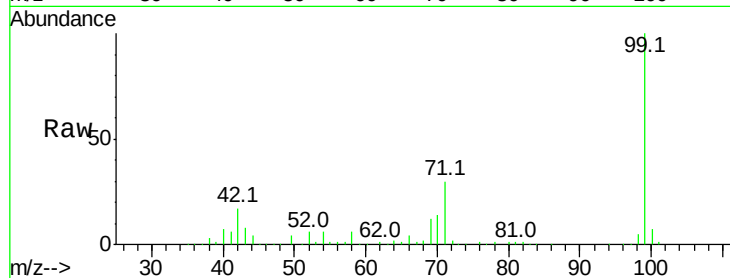
Tot Ion: 99 Resp: 282152

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

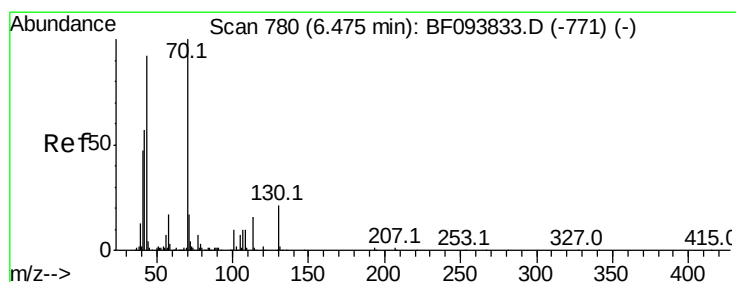
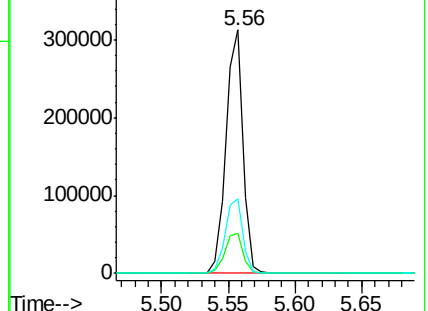
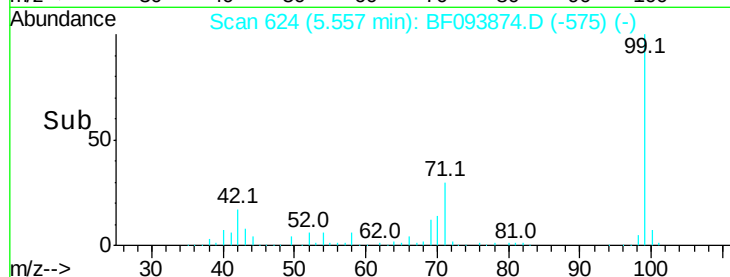
71 30.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.51 ng

RT: 6.62 min Scan# 805

Delta R.T. 0.15 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

Tgt Ion: 70 Resp: 21502

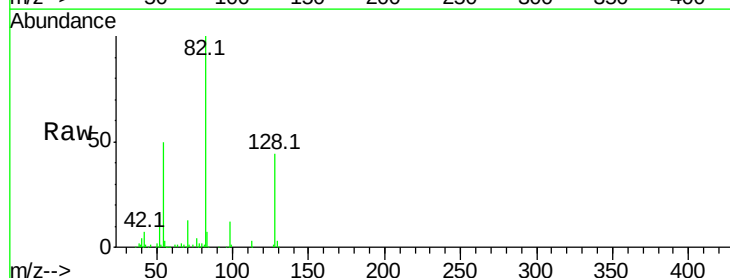
Ion Ratio Lower Upper

70 100

42 49.4 47.2 70.8

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

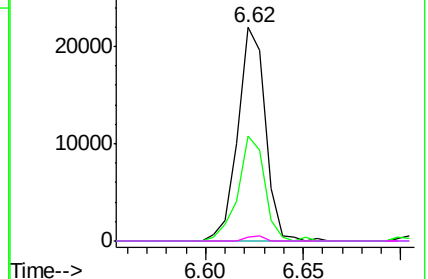
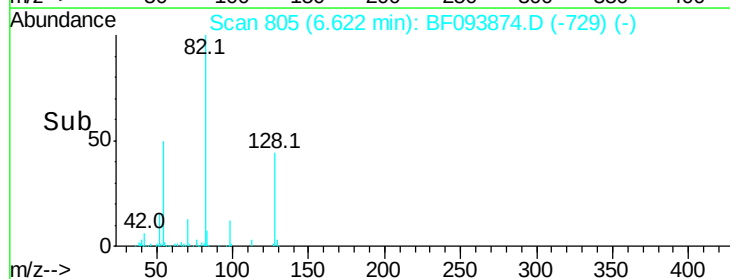


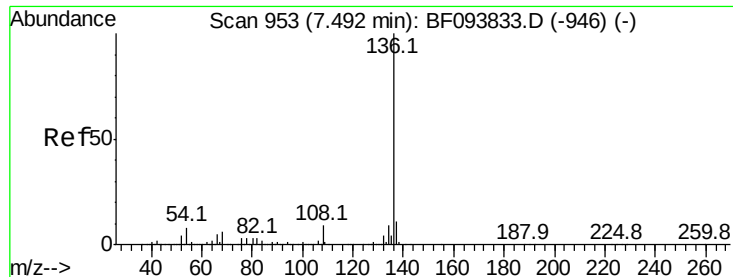
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

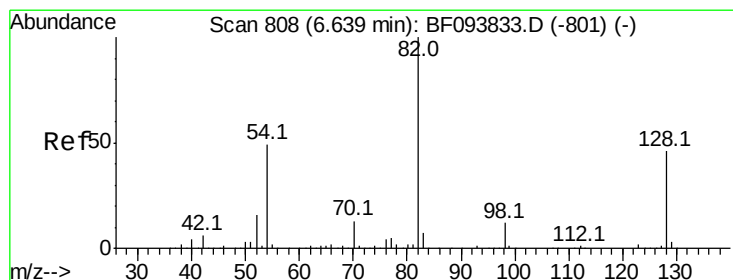
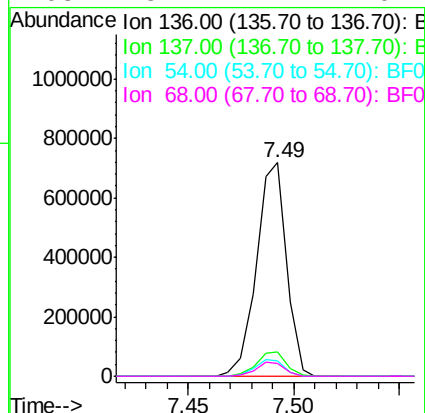
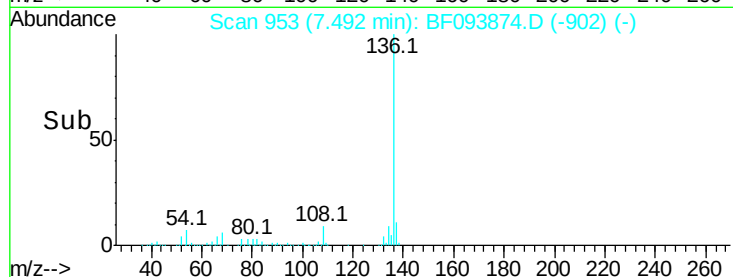
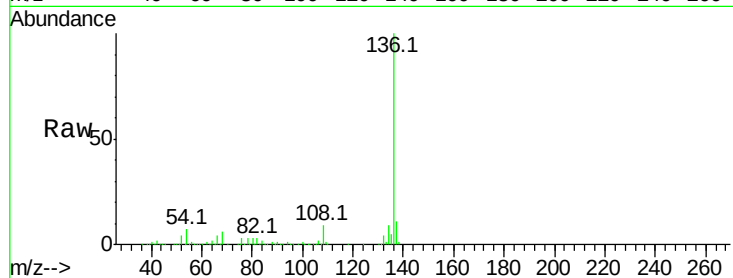




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.49 min Scan# 953
Delta R.T. 0.00 min
Lab File: BF093874.D
Acq: 23 Mar 2017 10:51

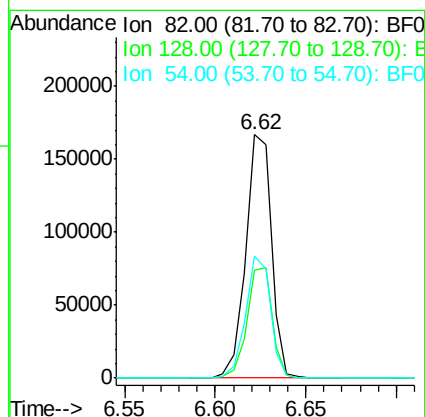
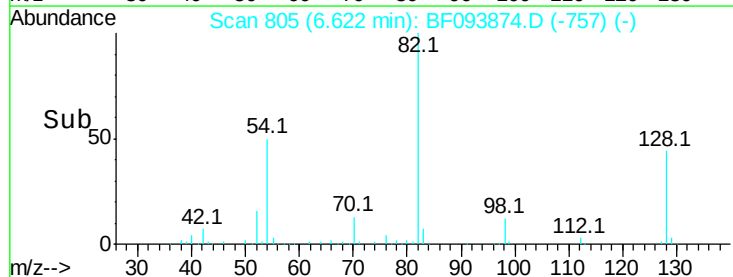
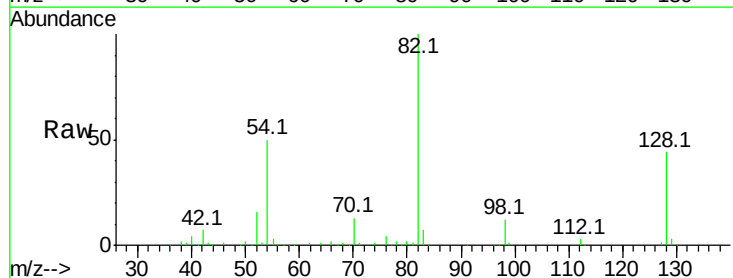
Instrument :
BNA_F
ClientSampleId :

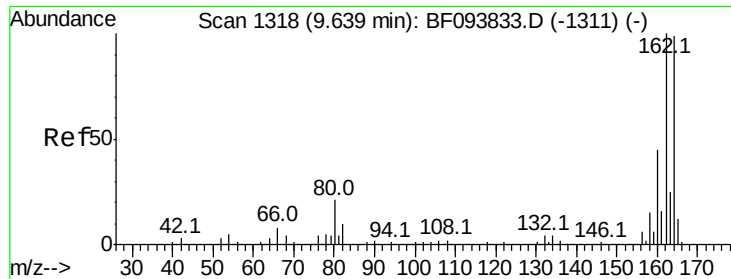
Tot Ion:	136	Resp:	712403
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.4	4.9	7.3#
68	5.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 13.16 ng
RT: 6.62 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF093874.D
Acq: 23 Mar 2017 10:51

Tgt Ion:	82	Resp:	164294
Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.0	51.0
54	50.2	42.2	63.2

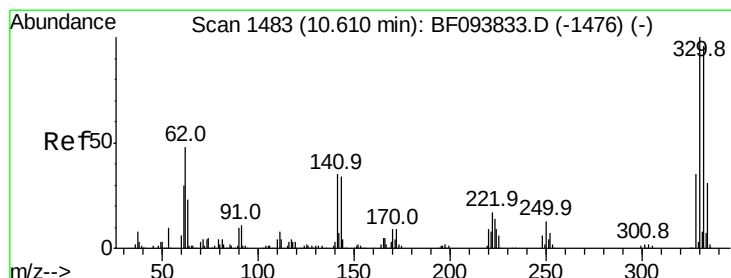
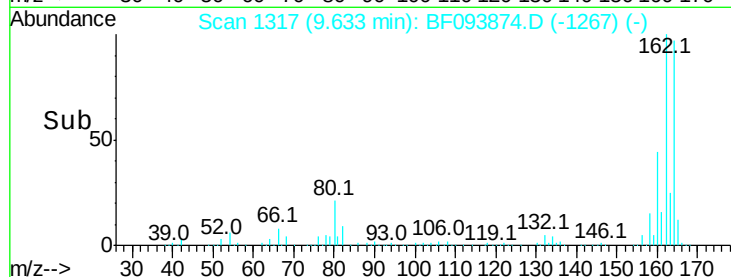
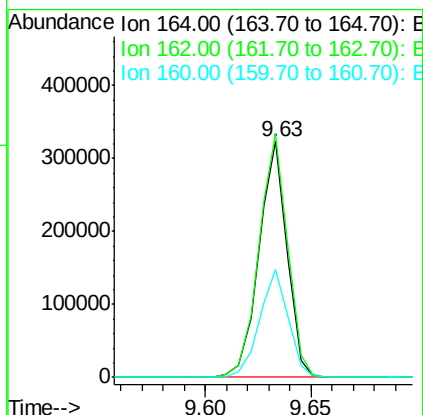
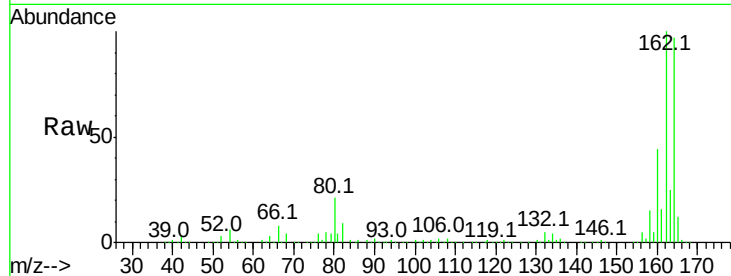




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

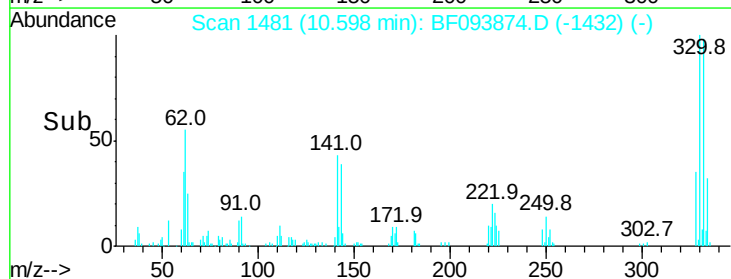
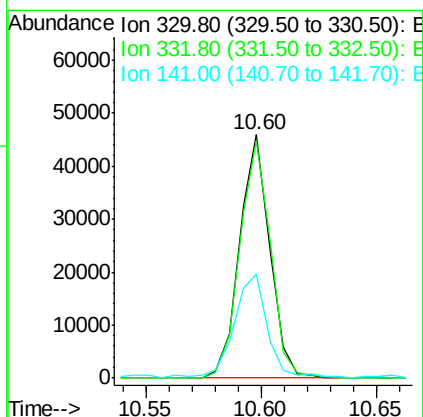
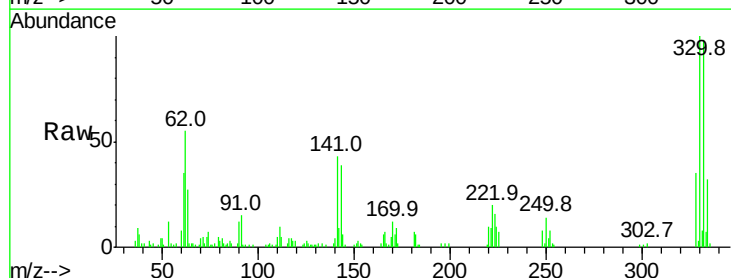
Instrument :
 BNA_F
 ClientSampleId :

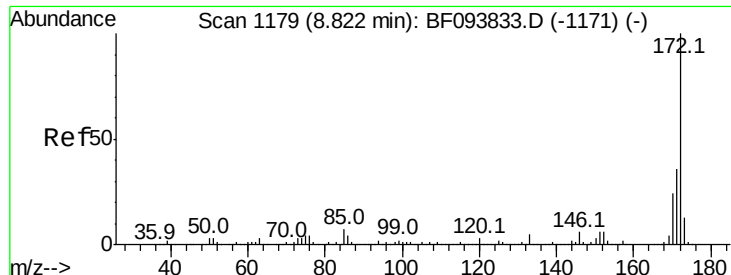
Tot Ion:164 Resp: 298358
 Ion Ratio Lower Upper
 164 100
 162 103.3 82.6 123.8
 160 45.9 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 17.80 ng
 RT: 10.60 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

Tgt Ion:330 Resp: 41962
 Ion Ratio Lower Upper
 330 100
 332 98.9 76.6 115.0
 141 48.2 31.4 47.2#

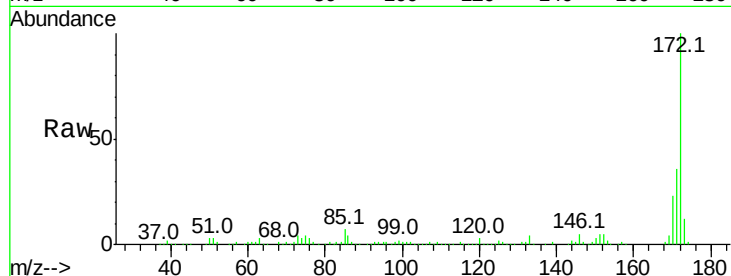




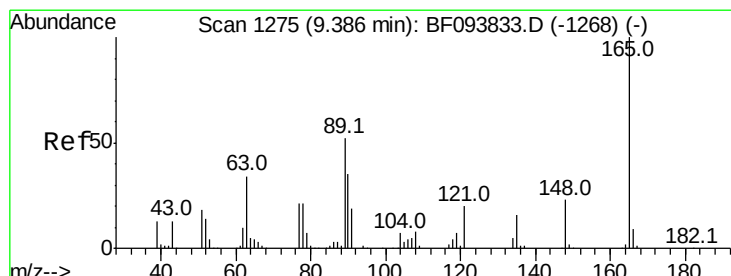
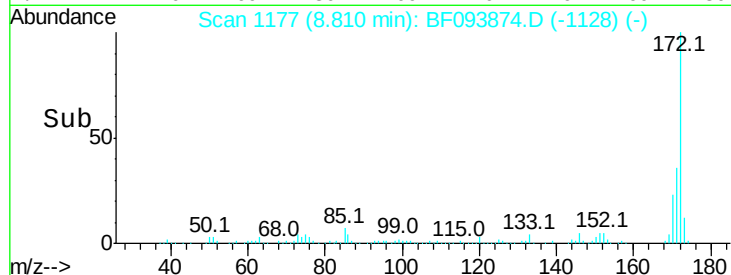
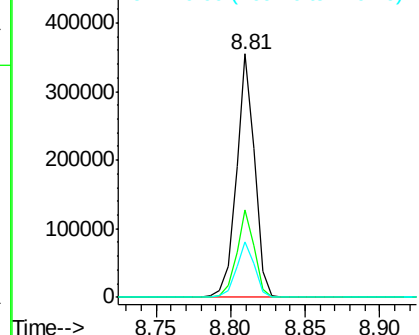
#44
 2-Fluorobiphenyl
 Concen: 15.59 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	22.9	19.8	29.8

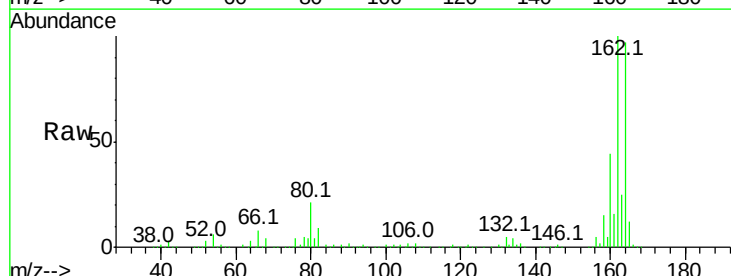


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

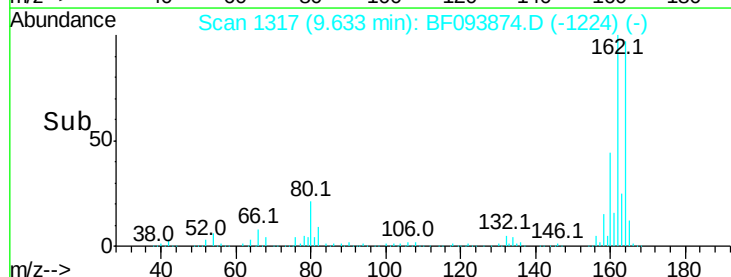
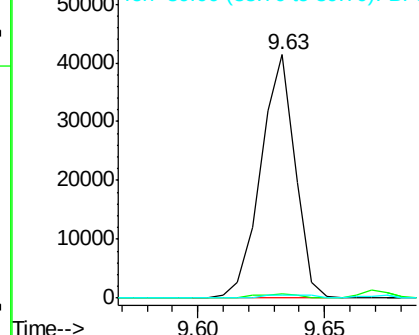


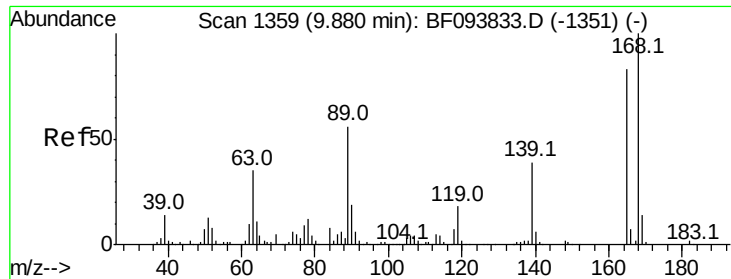
#50
 2,6-Dinitrotoluene
 Concen: 8.06 ng
 RT: 9.63 min Scan# 1317
 Delta R.T. 0.25 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.3	51.5#
89	1.4	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

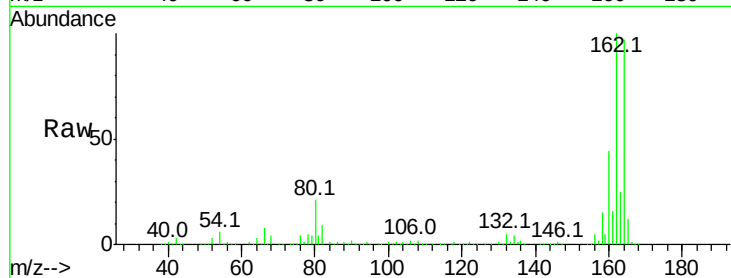




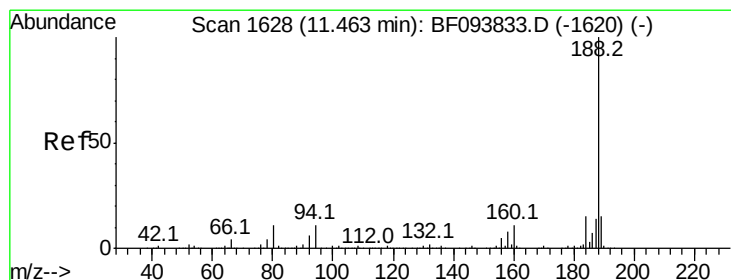
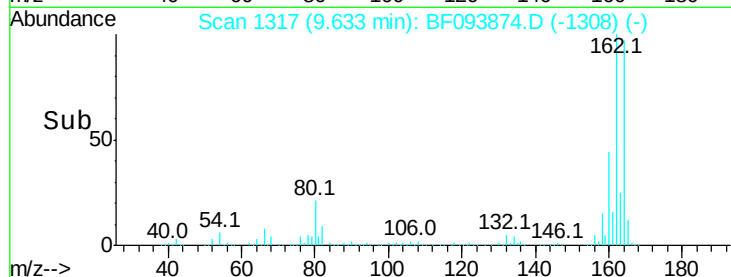
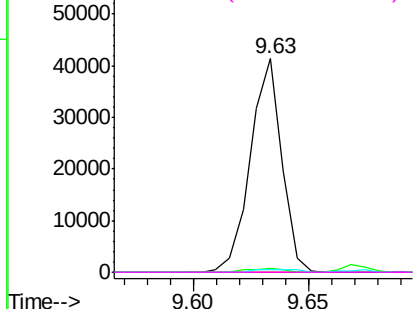
#56
 2,4-Dinitrotoluene
 Concen: 6.42 ng
 RT: 9.63 min Scan# 1317
 Delta R.T. -0.25 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 39201
 Ion Ratio Lower Upper
 165 100
 63 1.9 25.4 38.0#
 89 1.4 46.4 69.6#
 182 0.0 1.8 2.6#

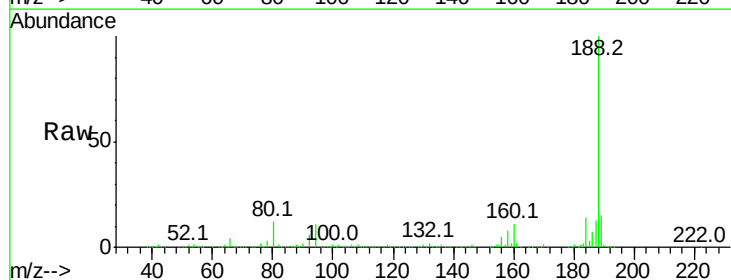


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

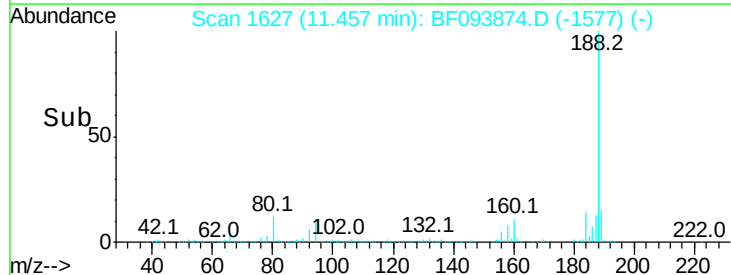
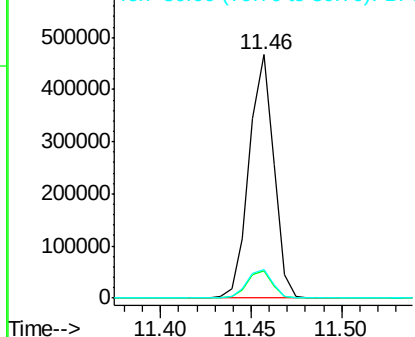


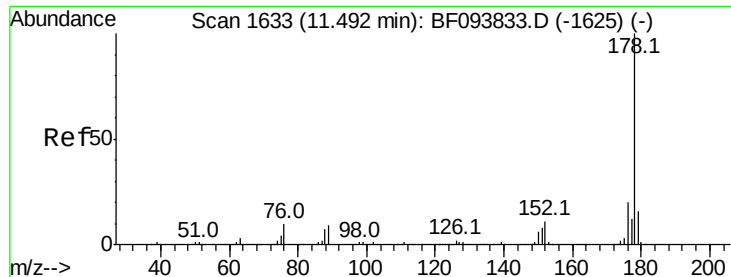
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

Tgt Ion:188 Resp: 443172
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 11.6 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.09 ng

RT: 11.49 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

Instrument :

BNA_F

ClientSampleId :

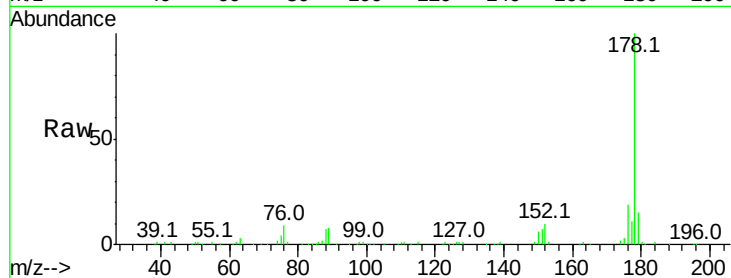
Tot Ion:178 Resp: 125551

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

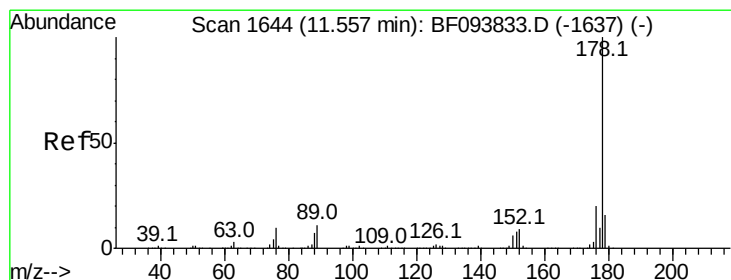
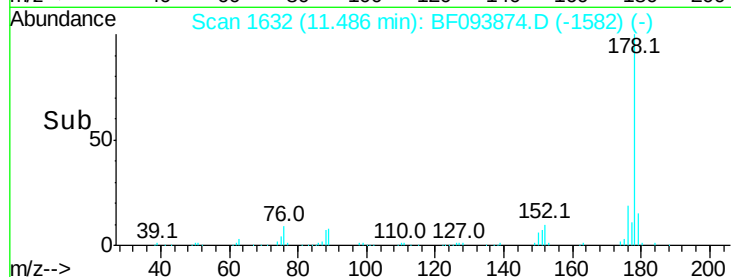
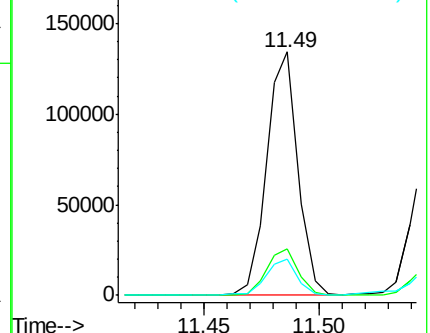
179 15.0 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.94 ng

RT: 11.55 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

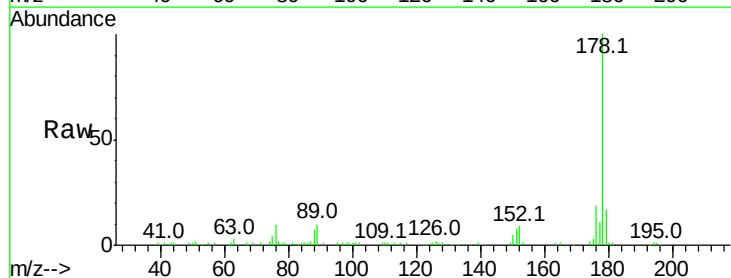
Tgt Ion:178 Resp: 74532

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

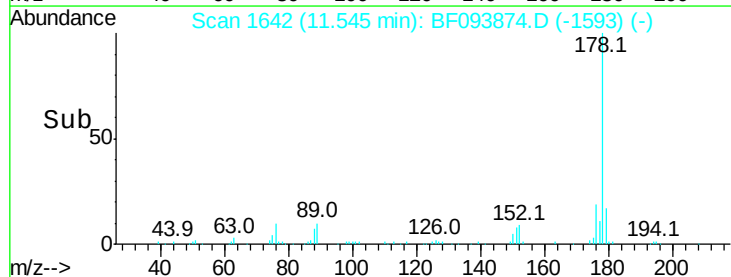
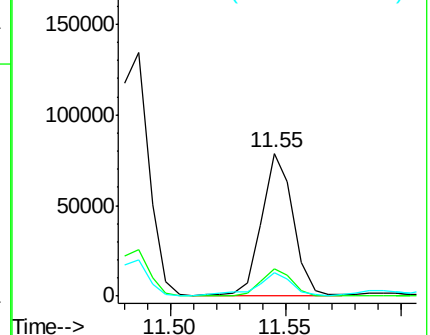
179 16.5 12.7 19.1

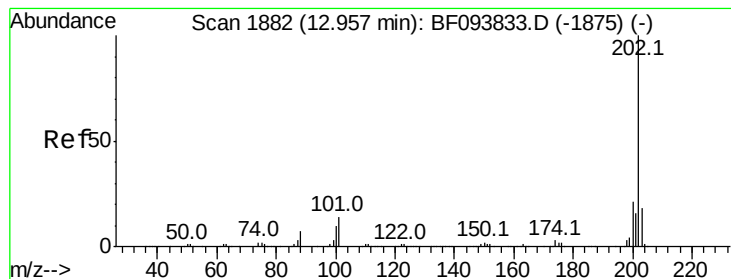


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 10.47 ng

RT: 12.95 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

Instrument :

BNA_F

ClientSampleId :

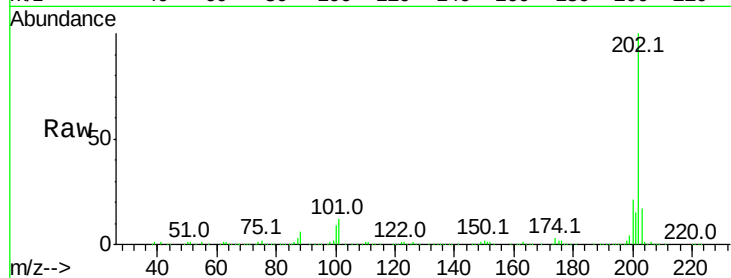
Tot Ion:202 Resp: 264372

Ion Ratio Lower Upper

202 100

101 11.9 0.0 33.2

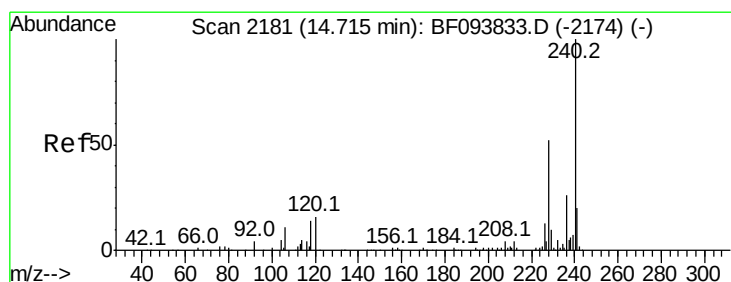
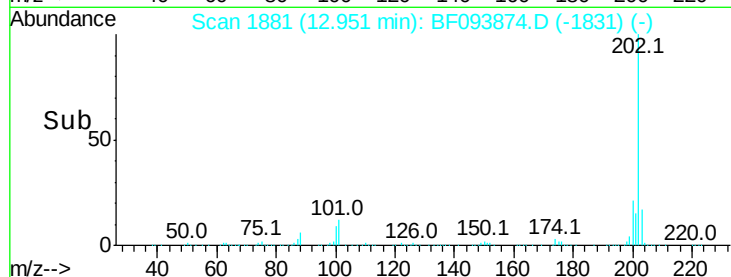
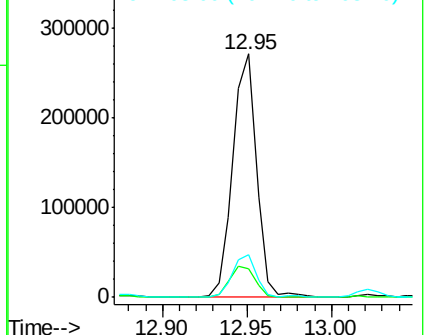
203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.71 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

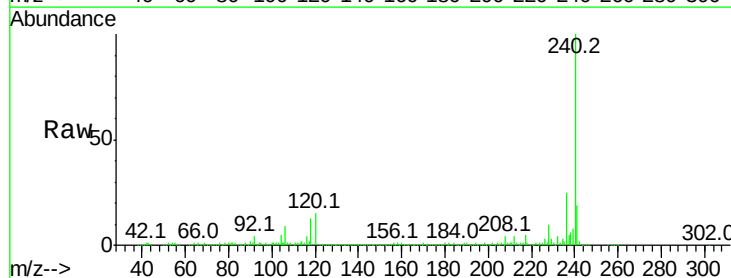
Tgt Ion:240 Resp: 330341

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

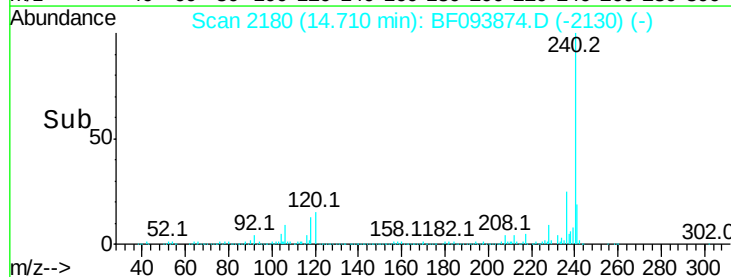
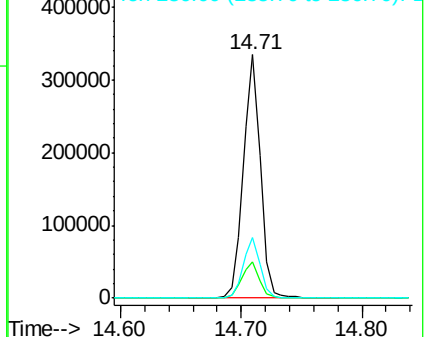
236 24.7 20.5 30.7

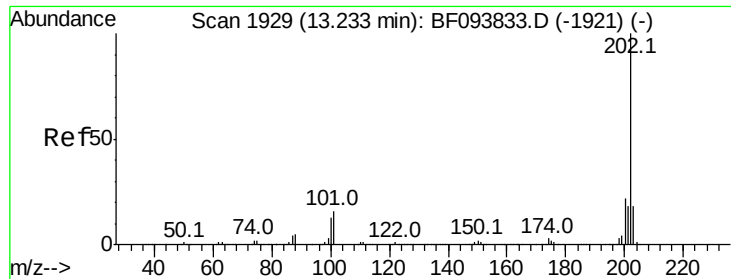


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

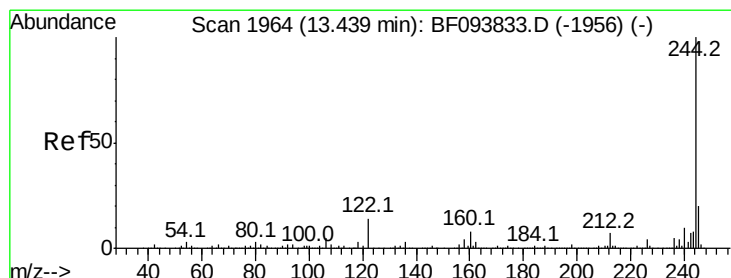
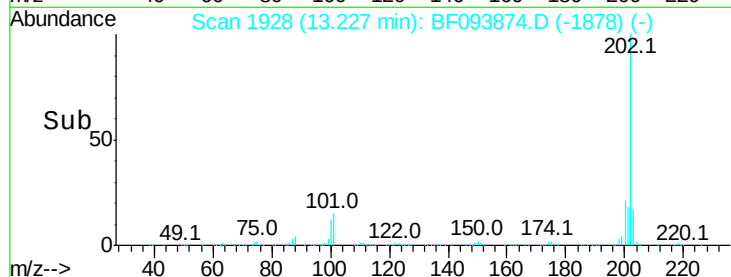
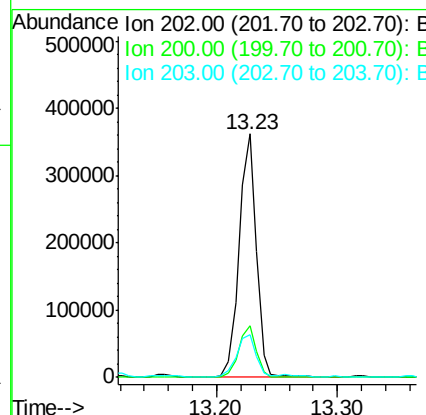
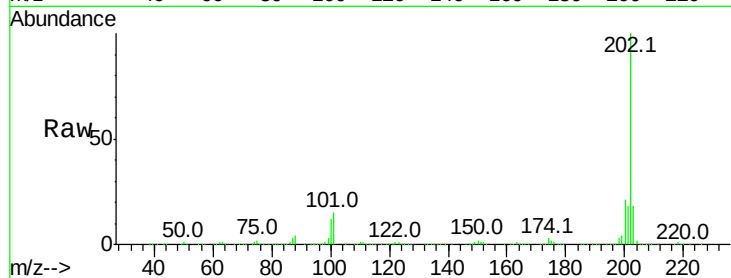




#77
Pvrene
Concen: 14.97 ng
RT: 13.23 min Scan# 1928
Delta R.T. -0.01 min
Lab File: BF093874.D
Acq: 23 Mar 2017 10:51

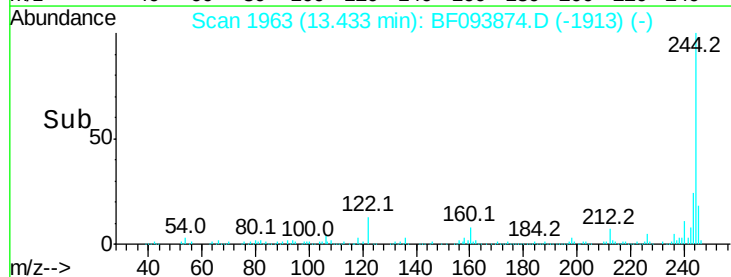
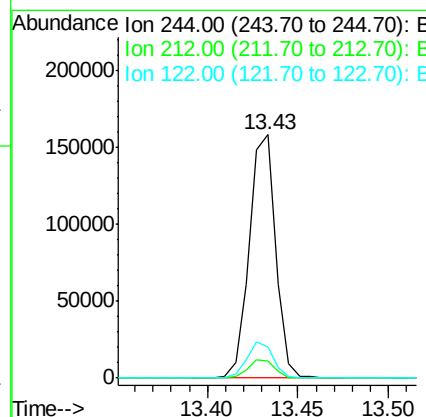
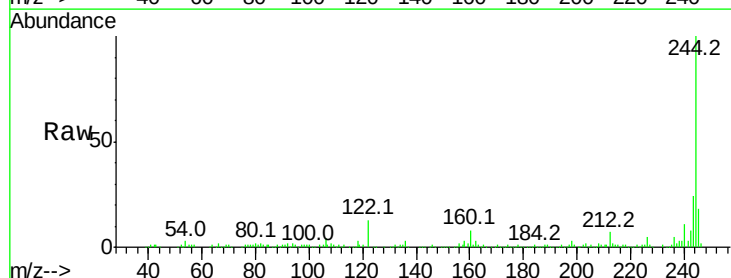
Instrument :
BNA_F
ClientSampleId :

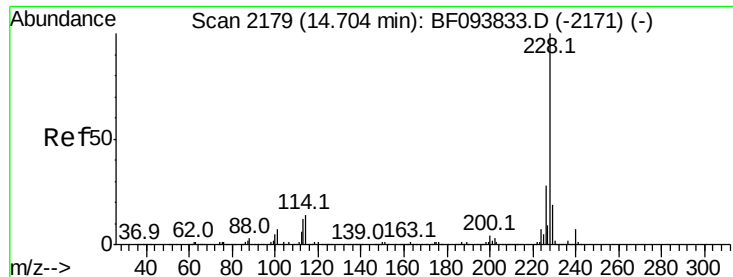
Tot Ion:202 Resp: 358862
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 17.7 14.4 21.6



#78
Terphenyl-d14
Concen: 10.86 ng
RT: 13.43 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BF093874.D
Acq: 23 Mar 2017 10:51

Tgt Ion:244 Resp: 159999
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 13.0 10.3 15.5

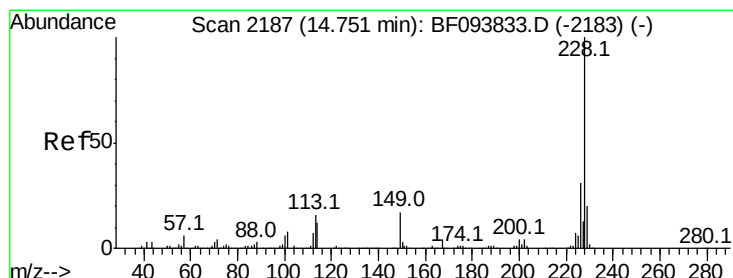
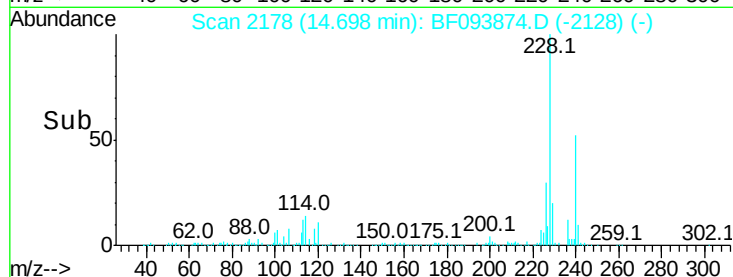
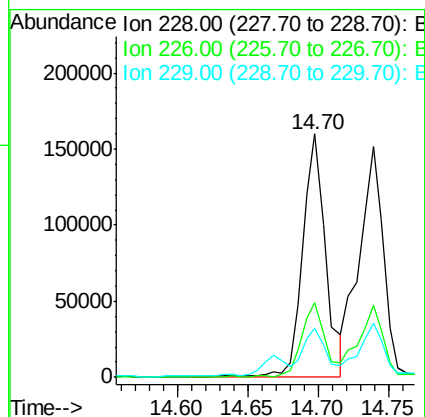
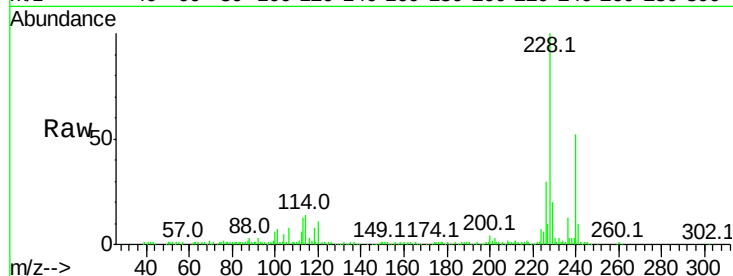




#80
Benzo(a)anthracene
Concen: 9.33 ng
RT: 14.70 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF093874.D
Acq: 23 Mar 2017 10:51

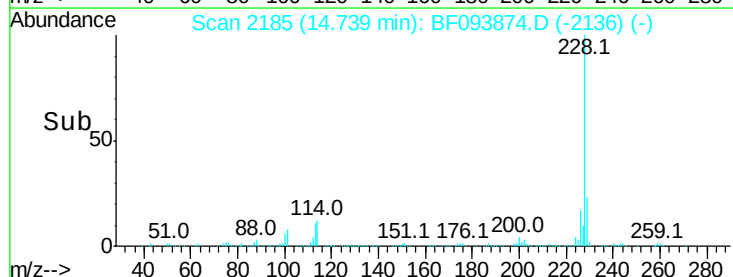
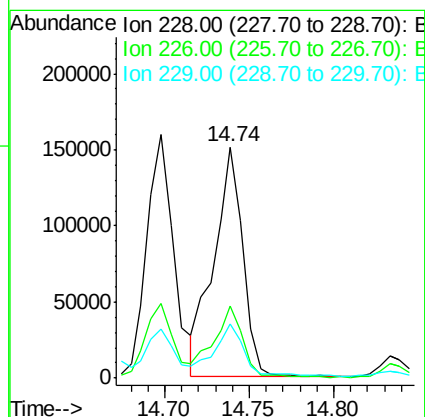
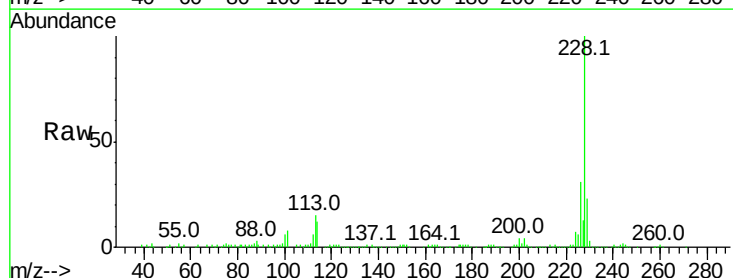
Instrument :
BNA_F
ClientSampleId :

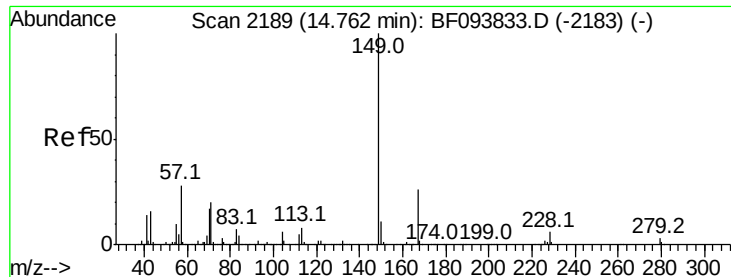
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	20.3	16.3	24.5



#82
Chrysene
Concen: 10.18 ng
RT: 14.74 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF093874.D
Acq: 23 Mar 2017 10:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	23.2	15.8	23.6

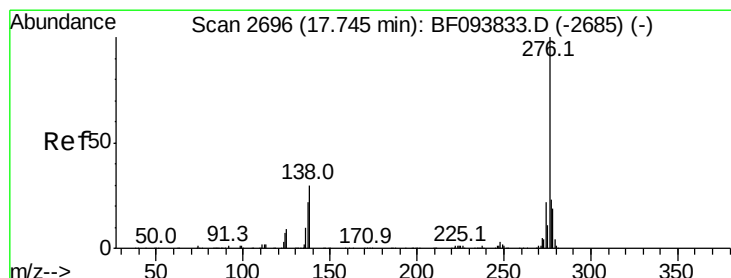
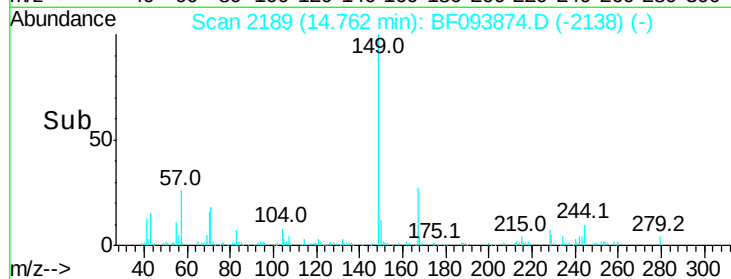
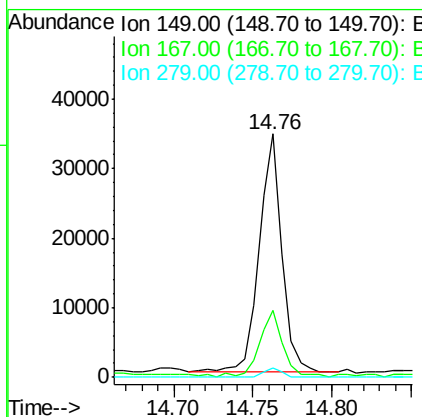
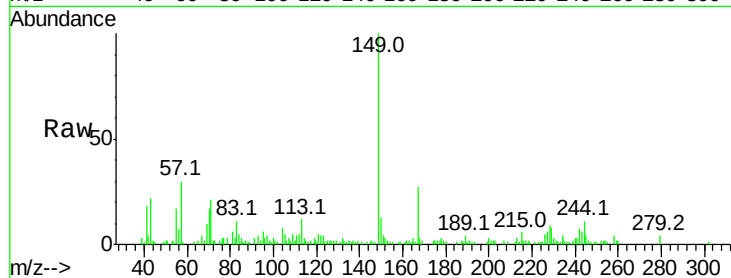




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.44 ng
 RT: 14.76 min Scan# 2189
 Delta R.T. 0.00 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

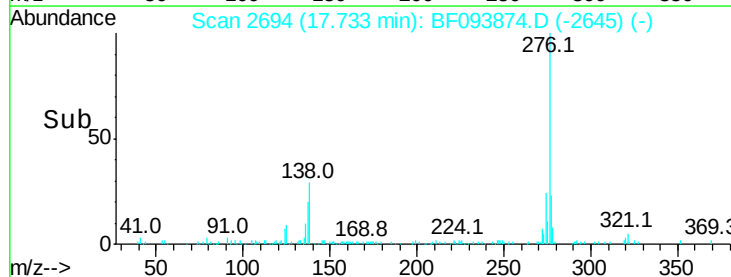
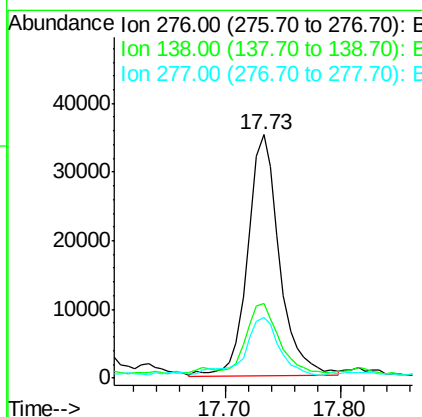
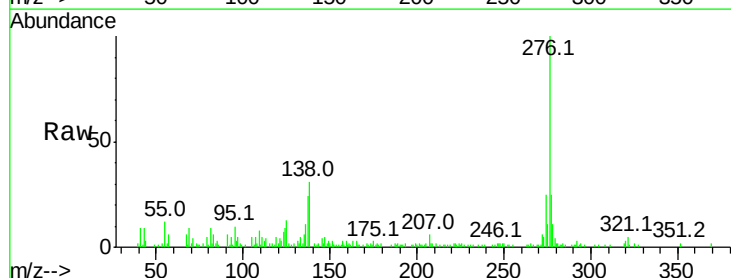
Instrument :
 BNA_F
 ClientSampleId :

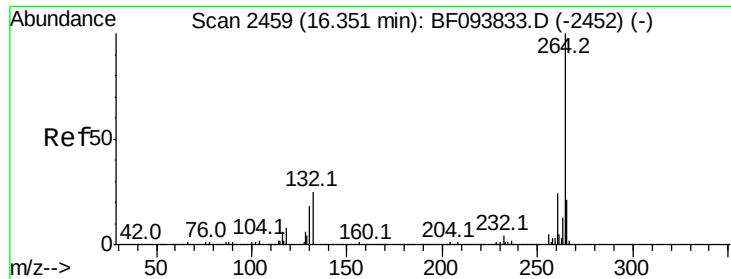
Tot Ion:149 Resp: 33994
 Ion Ratio Lower Upper
 149 100
 167 27.4 21.0 31.4
 279 3.6 1.9 2.9#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.35 ng
 RT: 17.73 min Scan# 2694
 Delta R.T. -0.01 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

Tgt Ion:276 Resp: 67415
 Ion Ratio Lower Upper
 276 100
 138 28.8 27.8 41.6
 277 28.3 20.2 30.4

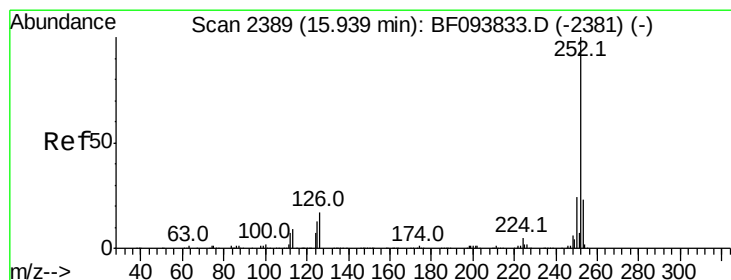
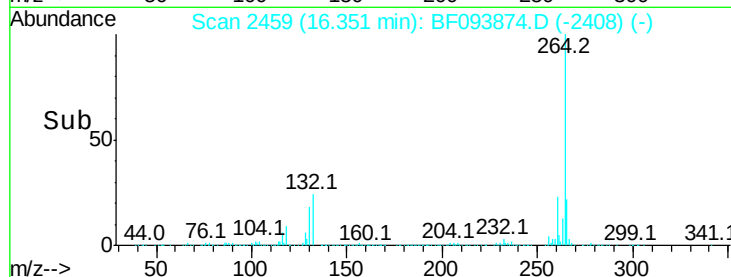
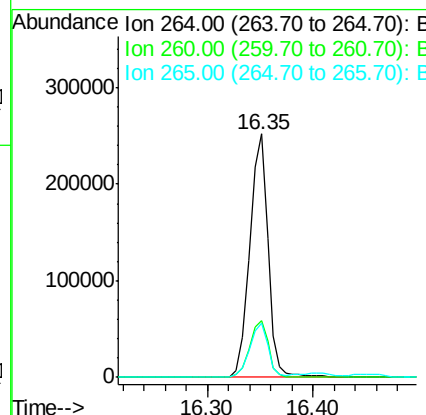
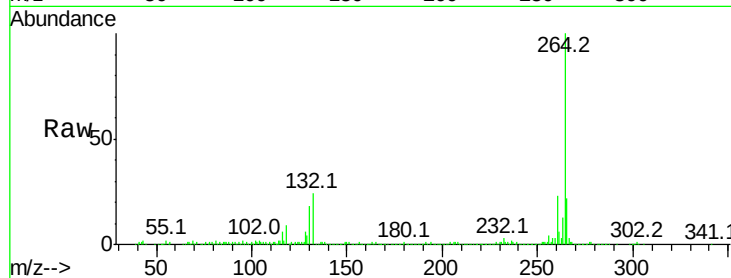




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.35 min Scan# 2459
Delta R.T. 0.00 min
Lab File: BF093874.D
Acq: 23 Mar 2017 10:51

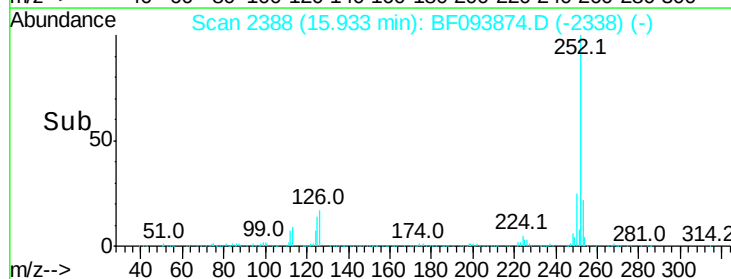
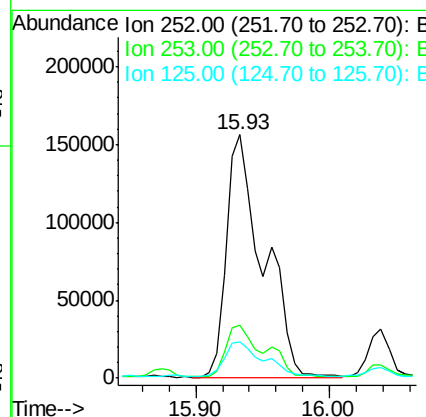
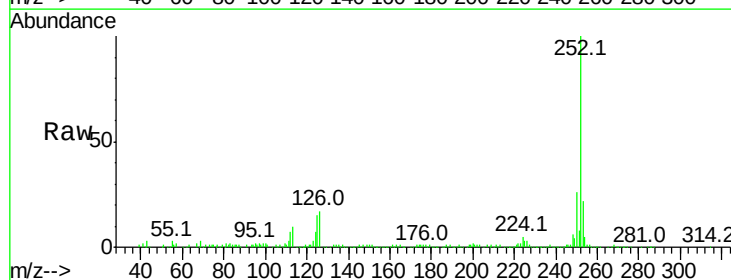
Instrument :
BNA_F
ClientSampleId :

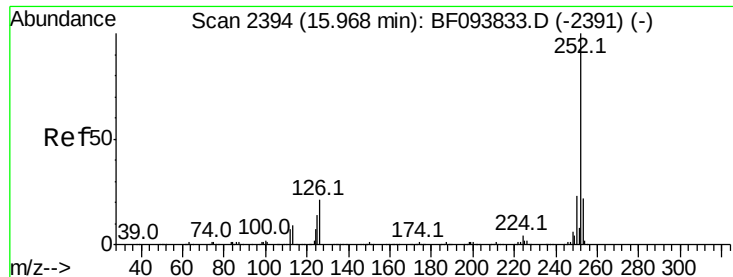
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.1	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 16.10 ng
RT: 15.93 min Scan# 2388
Delta R.T. -0.01 min
Lab File: BF093874.D
Acq: 23 Mar 2017 10:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	14.9	9.8	14.8

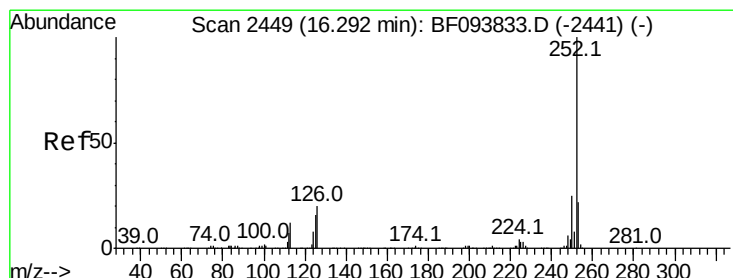
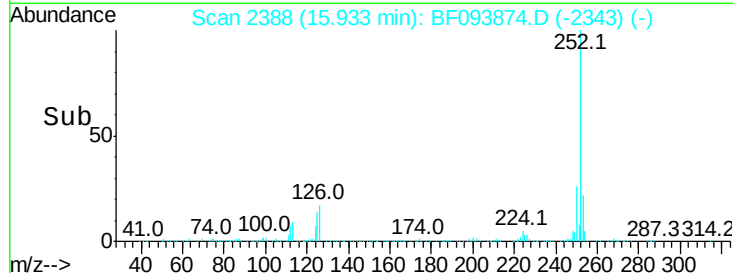
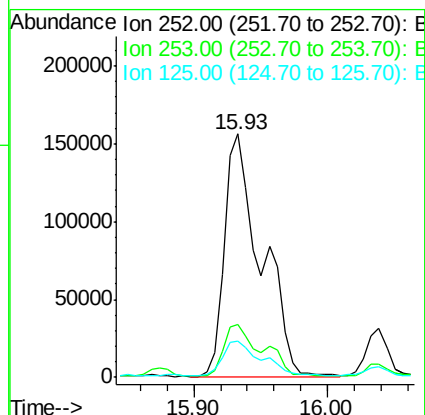
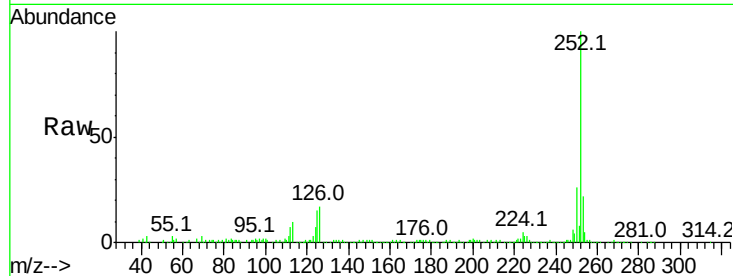




#88
Benzo(k)fluoranthene
Concen: 16.46 ng
RT: 15.93 min Scan# 2388
Delta R.T. -0.04 min
Lab File: BF093874.D
Acq: 23 Mar 2017 10:51

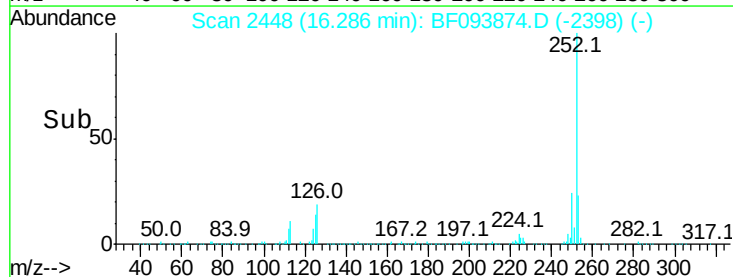
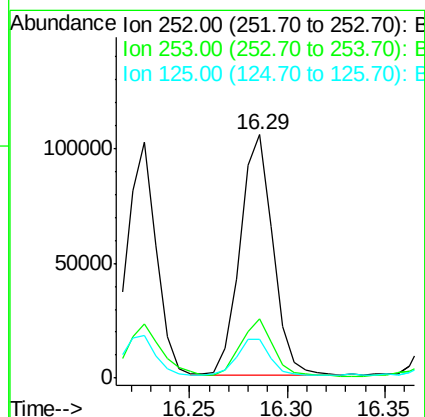
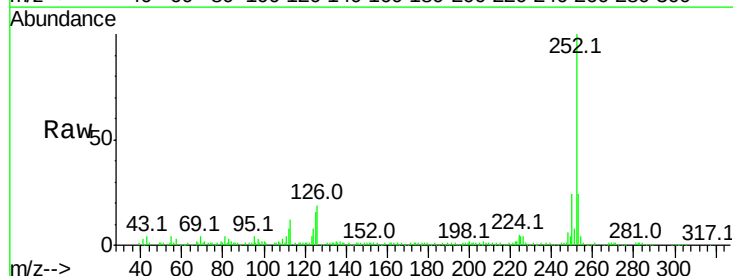
Instrument :
BNA_F
ClientSampleId :

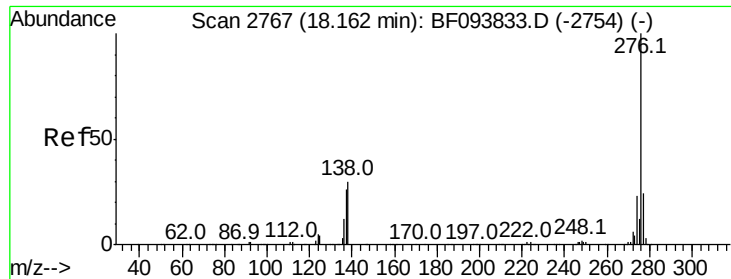
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.4	27.6
125	14.9	13.1	19.7



#89
Benzo(a)pyrene
Concen: 7.15 ng
RT: 16.29 min Scan# 2448
Delta R.T. -0.01 min
Lab File: BF093874.D
Acq: 23 Mar 2017 10:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	15.8	11.0	16.4

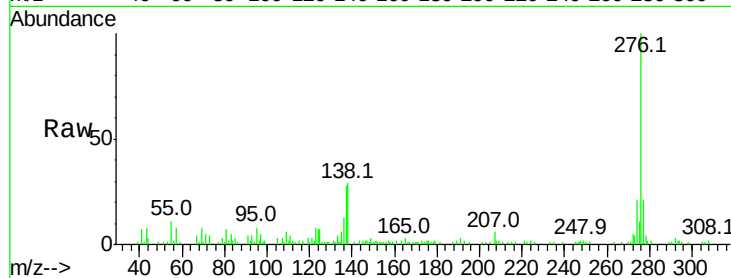




#91
 Benzo(a,h,i)perylene
 Concen: 4.19 ng
 RT: 18.14 min Scan# 2764
 Delta R.T. -0.02 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 61342
 Ion Ratio Lower Upper
 276 100
 277 21.3 18.6 28.0
 138 29.4 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

