

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040517\
 Data File : BF094215.D
 Acq On : 6 Apr 2017 4:08
 Operator : SJ/MA
 Sample : I2536-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB7-BASE

Quant Time: Apr 06 04:57:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

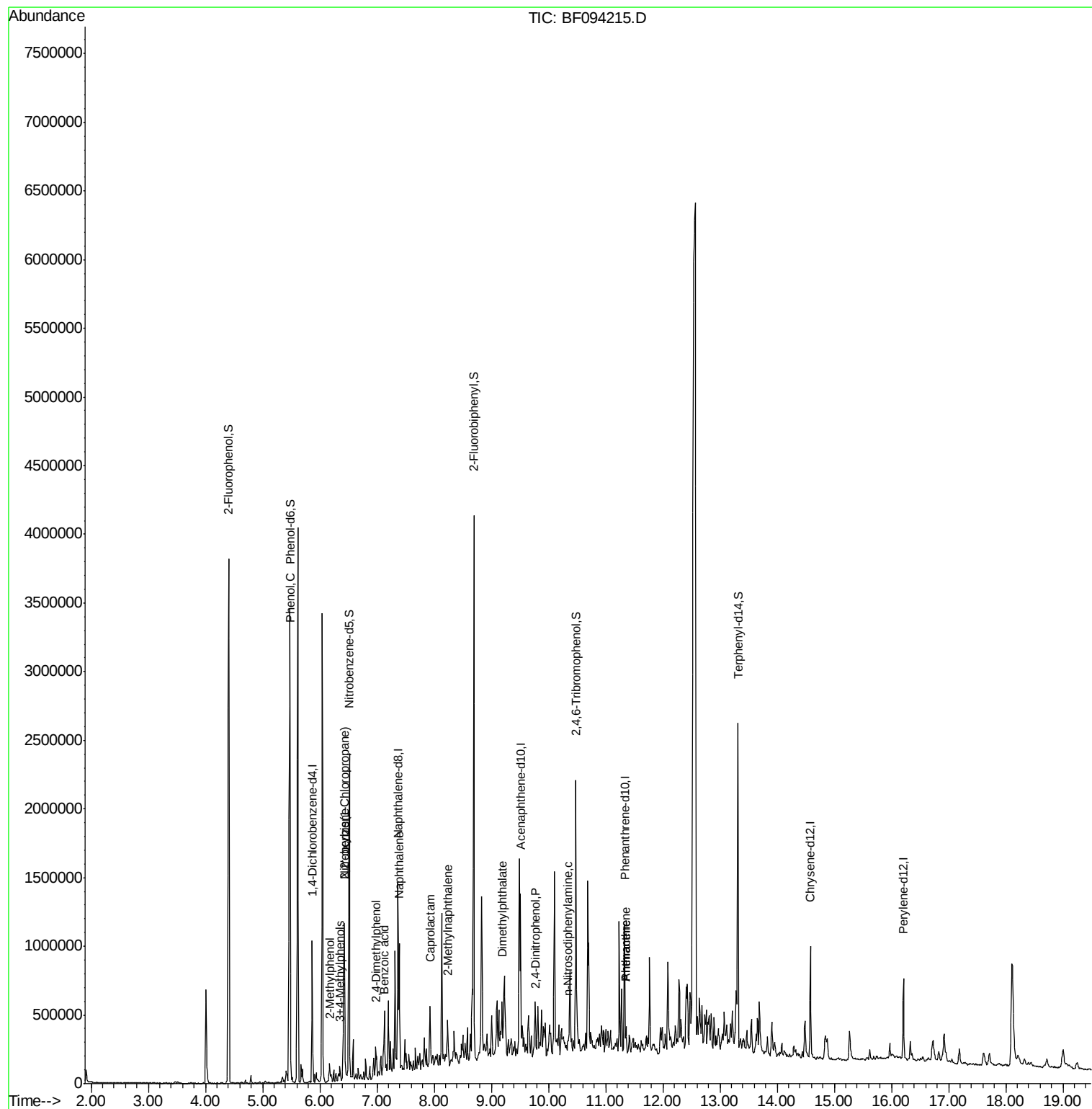
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.86	152	162395	20.00	ng	-0.04
21) Naphthalene-d8	7.37	136	618776	20.00	ng	-0.04
38) Acenaphthene-d10	9.51	164	253884	20.00	ng	-0.04
63) Phenanthrene-d10	11.33	188	384049	20.00	ng	-0.04
75) Chrysene-d12	14.59	240	326665	20.00	ng	-0.04
86) Perylene-d12	16.21	264	231540	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	1296053	134.80	ng	-0.03
7) Phenol-d6	5.47	99	1649343	138.67	ng	-0.04
23) Nitrobenzene-d5	6.52	82	980905	90.47	ng	-0.04
41) 2,4,6-Tribromophenol	10.49	330	262330	130.76	ng	-0.04
44) 2-Fluorobiphenyl	8.69	172	1454574	87.39	ng	-0.04
78) Terphenyl-d14	13.32	244	894717	61.39	ng	-0.04
Target Compounds						Qvalue
10) Phenol	5.49	94	128970	9.53	ng	90
16) 2,2'-oxybis(1-Chloropropan	6.43	45	68403	4.20	ng	# 1
17) 2-Methylphenol	6.17	107	21936	2.42	ng	97
20) 3+4-Methylphenols	6.35	107	31621	2.88	ng	# 62
24) Nitrobenzene	6.43	77	56072	5.24	ng	# 1
27) 2,4-Dimethylphenol	6.97	122	62968	7.17	ng	93
31) Naphthalene	7.39	128	206266	6.93	ng	100
32) Benzoic acid	7.14	122	53961	9.22	ng	# 22
35) Caprolactam	7.93	113	10047	3.83	ng	# 24
37) 2-Methylnaphthalene	8.23	142	82035	4.14	ng	99
49) Dimethylphthalate	9.19	163	161392	8.94	ng	98
53) 2,4-Dinitrophenol	9.79	184	118	4.71	ng	# 1
65) n-Nitrosodiphenylamine	10.34	169	30122	2.27	ng	# 48
70) Phenanthrene	11.36	178	72084	3.37	ng	99
71) Anthracene	11.36	178	72084	3.28	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.86 min Scan# 676

Delta R.T. -0.04 min

Lab File: BF094215.D

Acq: 6 Apr 2017 4:08

Instrument :

BNA_F

ClientSampleId :

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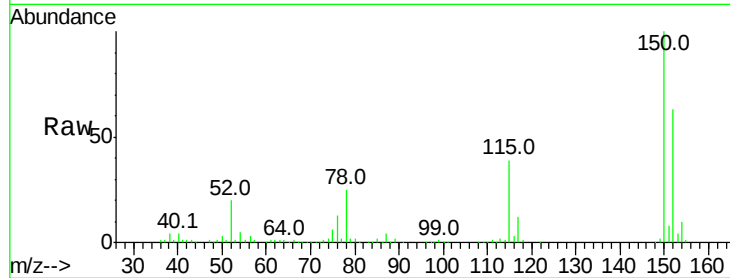
Tot Ion:152 Resp: 162395

Ion Ratio Lower Upper

152 100

150 159.3 126.2 189.2

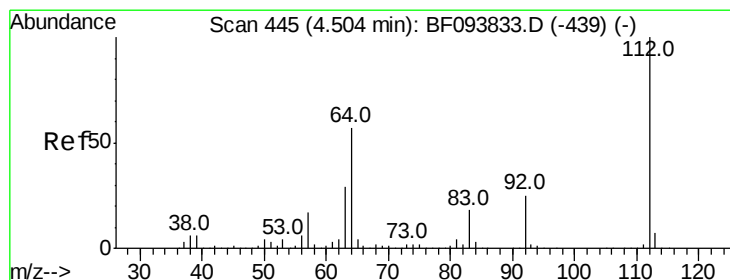
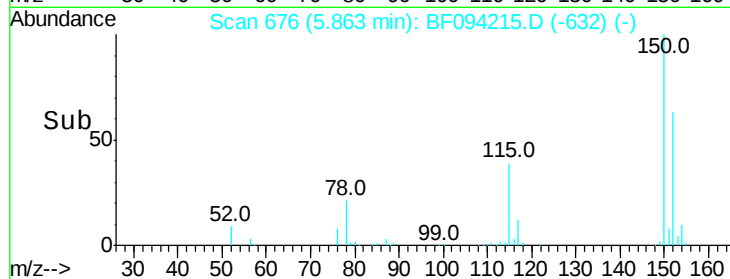
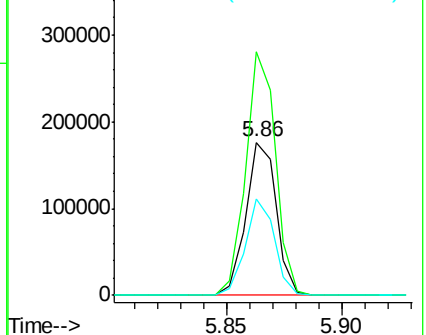
115 62.9 52.2 78.2



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: 134.80 ng

RT: 4.40 min Scan# 428

Delta R.T. -0.03 min

Lab File: BF094215.D

Acq: 6 Apr 2017 4:08

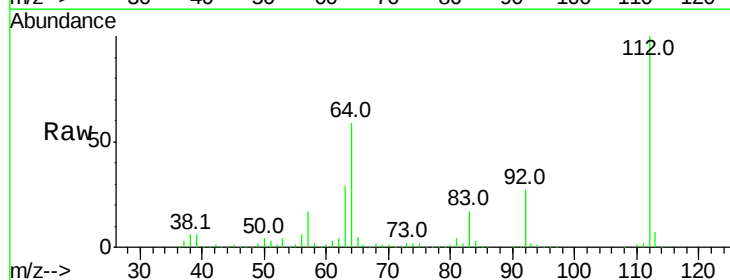
Tgt Ion:112 Resp: 1296053

Ion Ratio Lower Upper

112 100

64 58.7 46.0 69.0

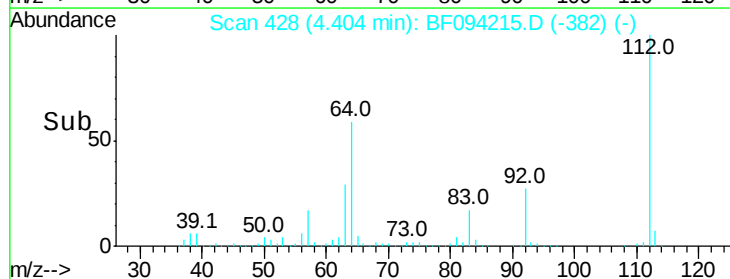
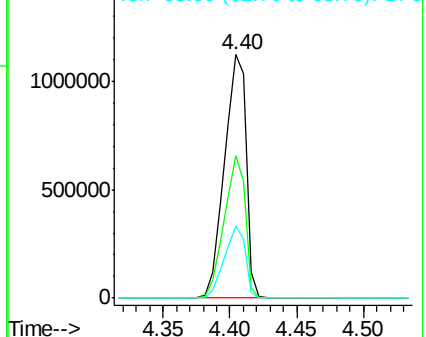
63 29.4 23.4 35.0

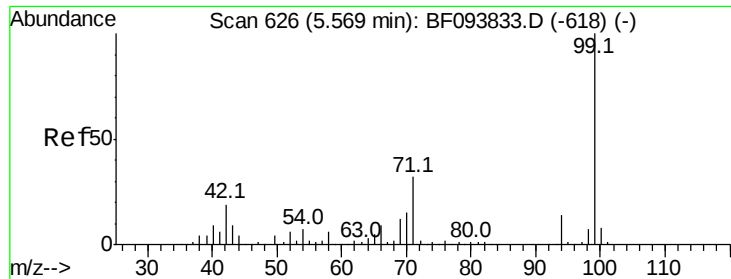


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 138.67 ng

RT: 5.47 min Scan# 610

Delta R.T. -0.04 min

Lab File: BF094215.D

Acq: 6 Apr 2017 4:08

Instrument :

BNA_F

ClientSampleId :

E2-BB7-BASE

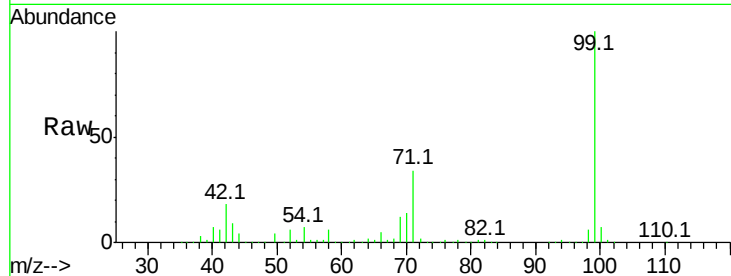
Tot Ion: 99 Resp: 1649343

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

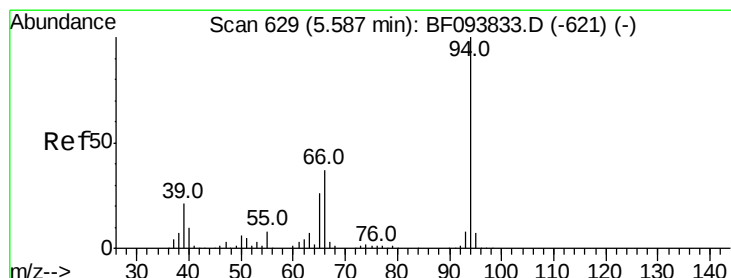
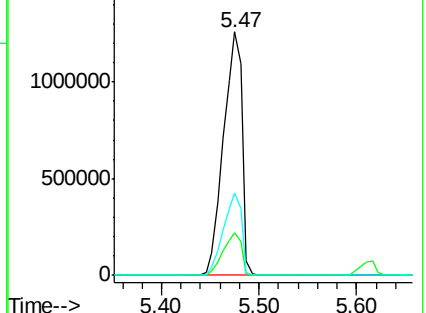
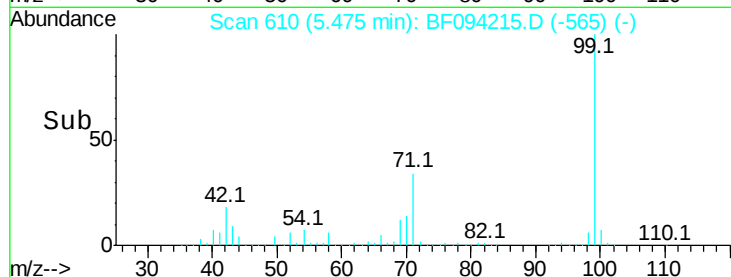
71 33.7 24.5 36.7



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



#10

Phenol

Concen: 9.53 ng

RT: 5.49 min Scan# 612

Delta R.T. -0.04 min

Lab File: BF094215.D

Acq: 6 Apr 2017 4:08

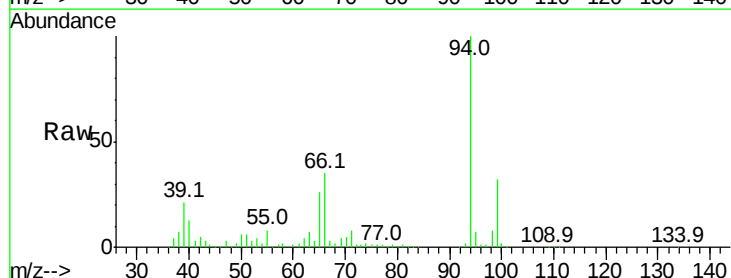
Tgt Ion: 94 Resp: 128970

Ion Ratio Lower Upper

94 100

65 26.3 9.9 49.9

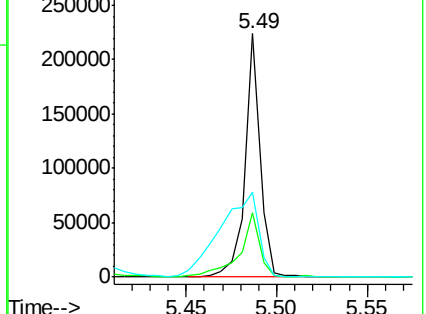
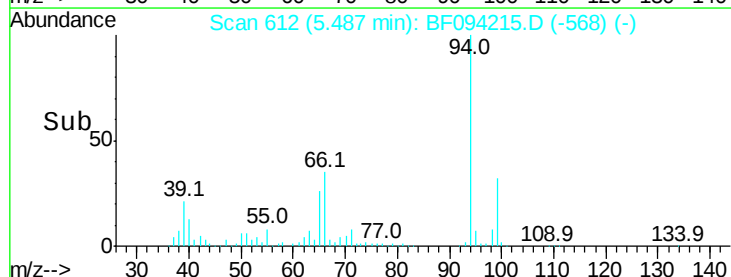
66 35.0 23.1 63.1

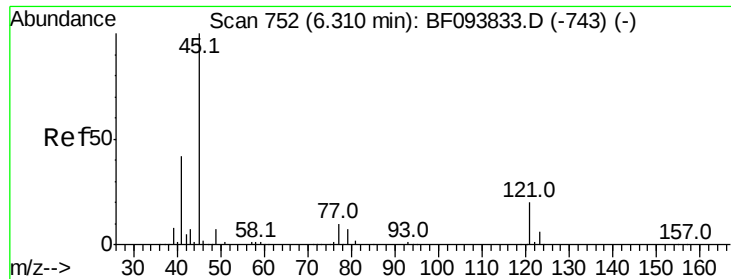


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

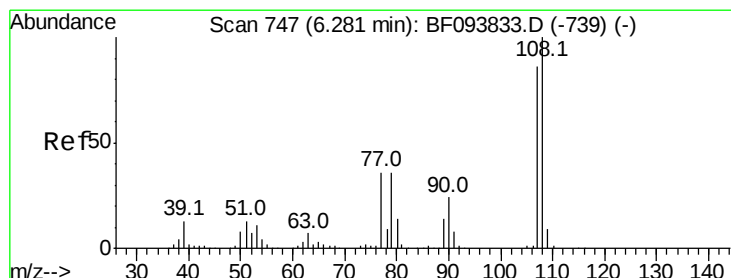
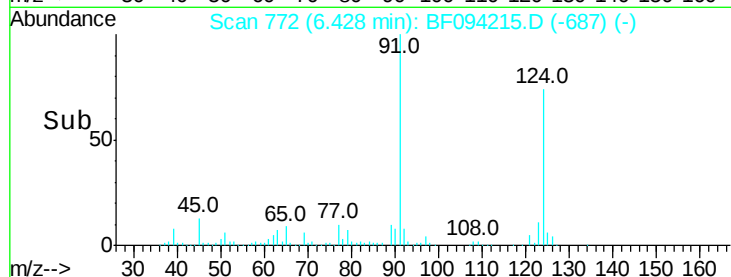
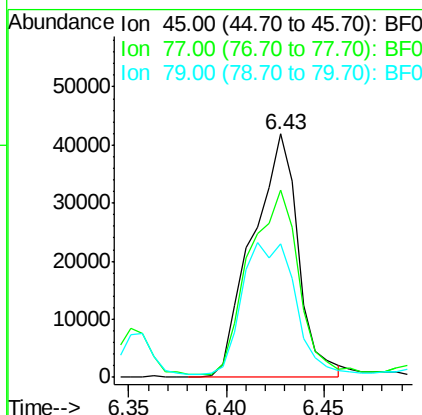
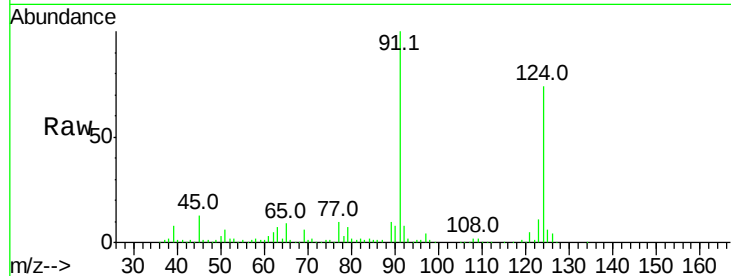




#16
 2,2'-oxvbis(1-Chloropropane)
 Concen: 4.20 ng
 RT: 6.43 min Scan# 772
 Delta R.T. 0.20 min
 Lab File: BF094215.D
 Acq: 6 Apr 2017 4:08

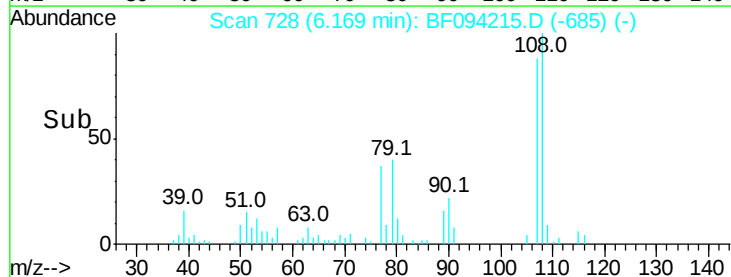
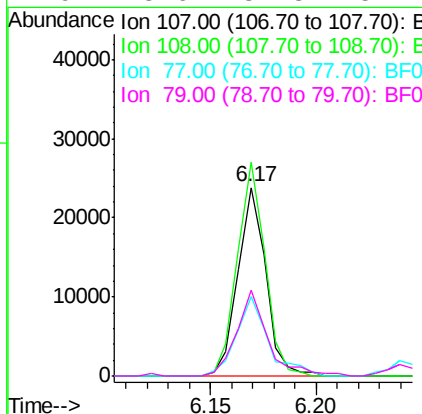
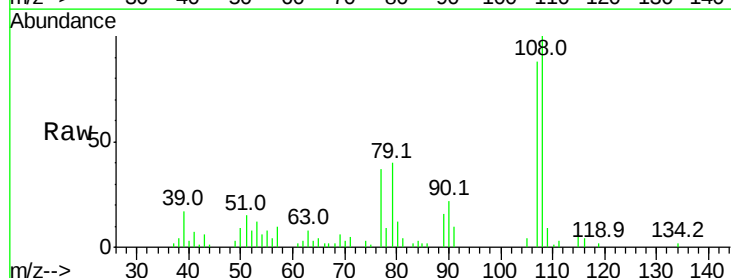
Instrument :
 BNA_F
 ClientSampleId :
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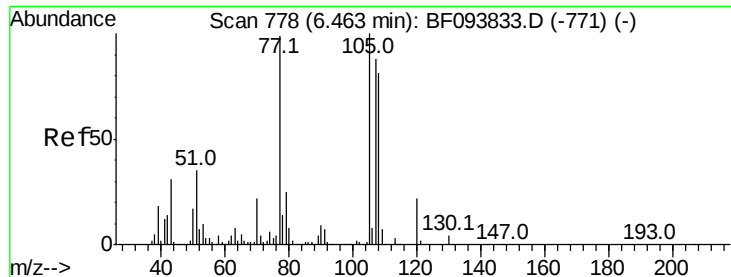
Tot Ion: 45 Resp: 68403
 Ion Ratio Lower Upper
 45 100
 77 76.7 0.0 33.2#
 79 55.1 0.0 30.0#



#17
 2-Methylphenol
 Concen: 2.42 ng
 RT: 6.17 min Scan# 728
 Delta R.T. -0.05 min
 Lab File: BF094215.D
 Acq: 6 Apr 2017 4:08

Tgt Ion:107 Resp: 21936
 Ion Ratio Lower Upper
 107 100
 108 113.2 93.4 140.0
 77 42.3 35.8 53.6
 79 45.6 34.8 52.2





#20

3+4-Methylphenols

Concen: 2.88 ng

RT: 6.35 min Scan# 759

Delta R.T. -0.05 min

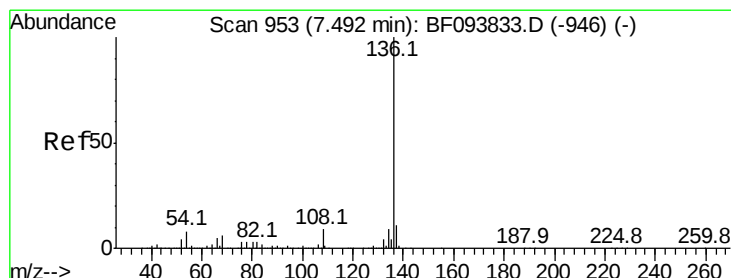
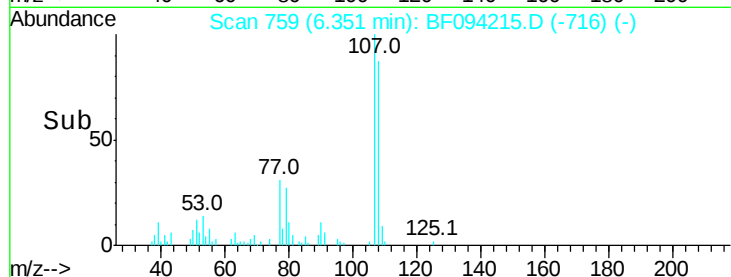
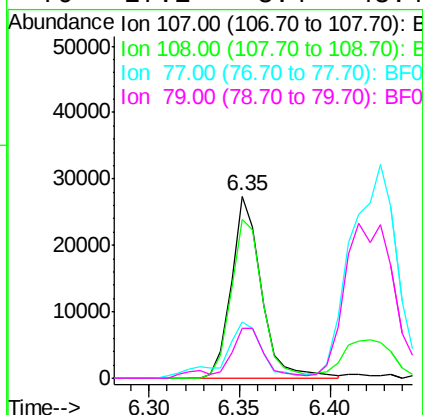
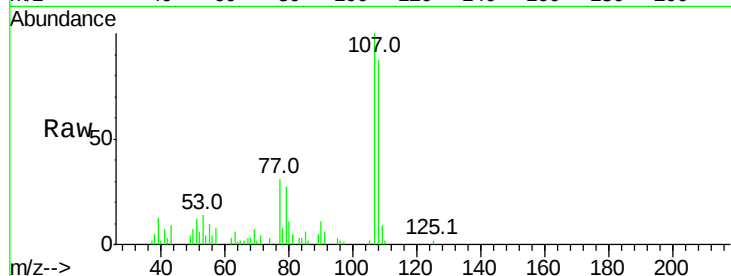
Lab File: BF094215.D

Acq: 6 Apr 2017 4:08

Instrument :
BNA_F
ClientSampleId :
E2-BB7-BASE

Tot Ion:107 Resp: 31621

Ion	Ratio	Lower	Upper
107	100		
108	87.1	71.0	111.0
77	31.0	90.5	130.5#
79	27.1	8.4	48.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.37 min Scan# 932

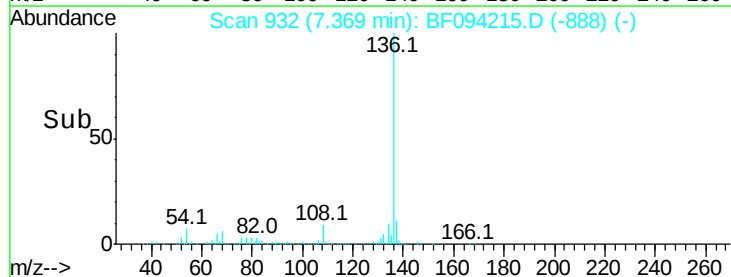
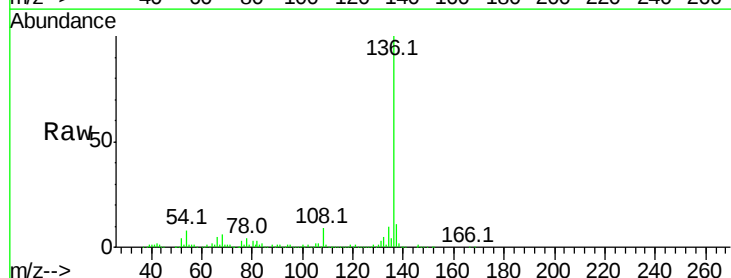
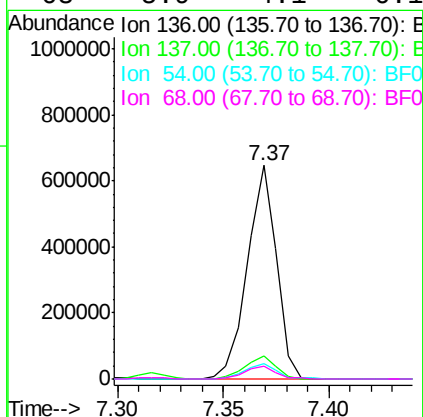
Delta R.T. -0.04 min

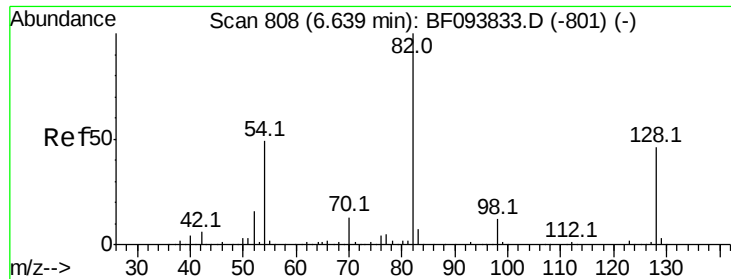
Lab File: BF094215.D

Acq: 6 Apr 2017 4:08

Tgt Ion:136 Resp: 618776

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.5	4.9	7.3#
68	5.9	4.1	6.1

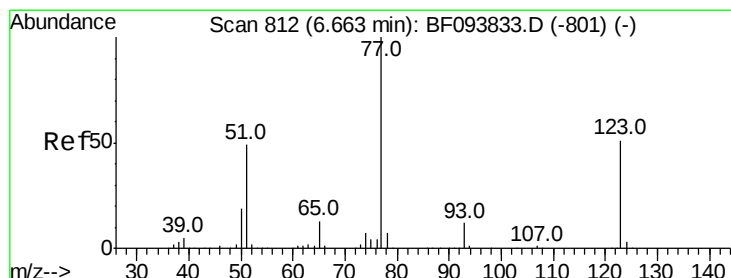
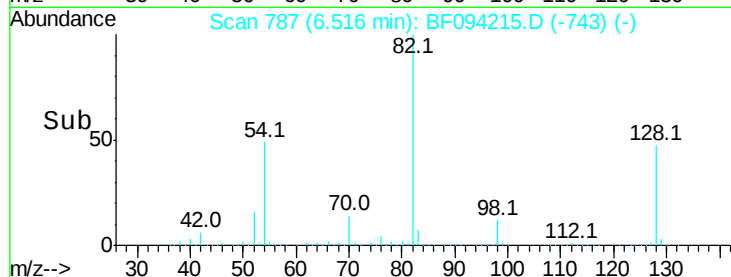
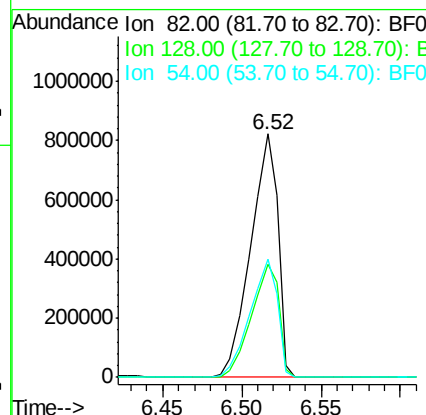
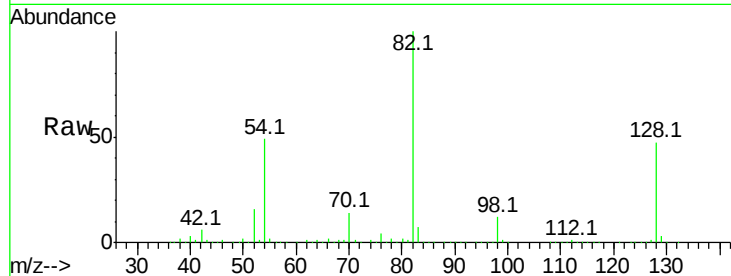




#23
 Nitrobenzene-d5
 Concen: 90.47 ng
 RT: 6.52 min Scan# 787
 Delta R.T. -0.04 min
 Lab File: BF094215.D
 Acq: 6 Apr 2017 4:08

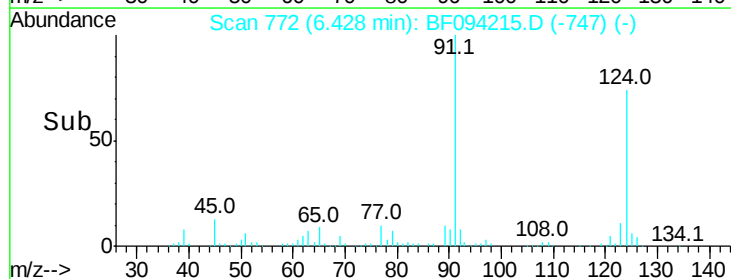
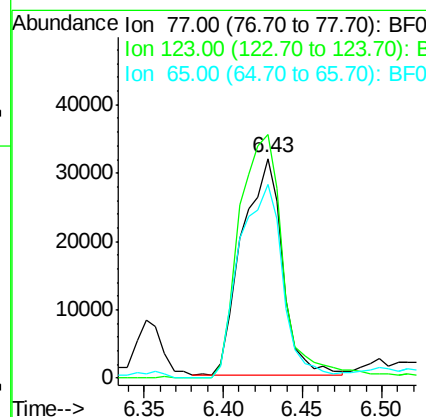
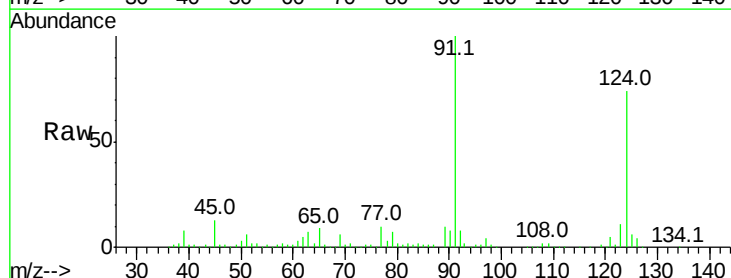
Instrument :
 BNA_F
 ClientSampleId :
 E2-BB7-BASE

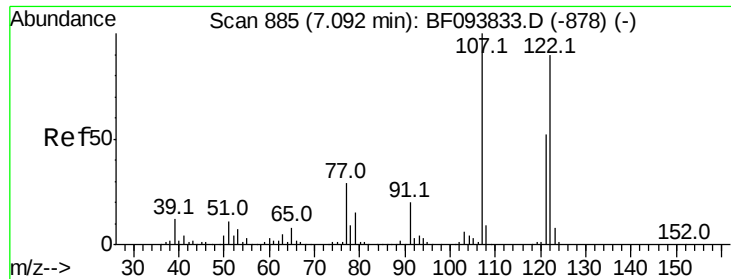
Tot Ion: 82 Resp: 980905
 Ion Ratio Lower Upper
 82 100
 128 46.7 34.0 51.0
 54 48.8 42.2 63.2



#24
 Nitrobenzene
 Concen: 5.24 ng
 RT: 6.43 min Scan# 772
 Delta R.T. -0.15 min
 Lab File: BF094215.D
 Acq: 6 Apr 2017 4:08

Tgt Ion: 77 Resp: 56072
 Ion Ratio Lower Upper
 77 100
 123 110.8 35.8 53.8#
 65 88.2 10.6 15.8#

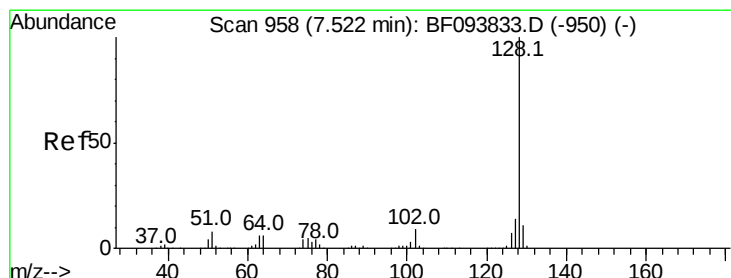
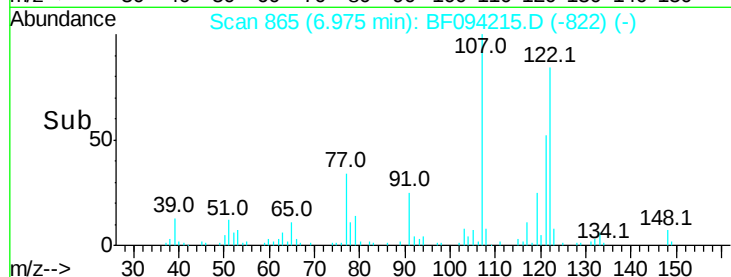
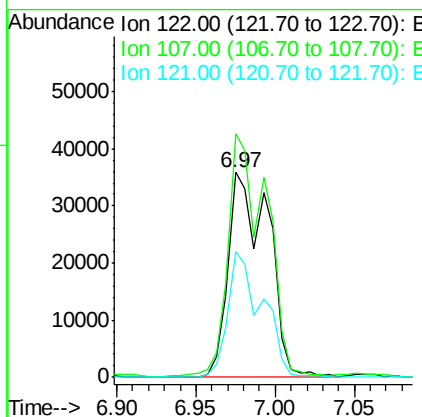
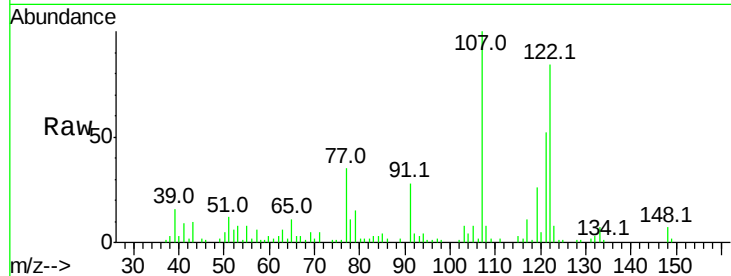




#27
2,4-Dimethylphenol
Concen: 7.17 ng
RT: 6.97 min Scan# 865
Delta R.T. -0.05 min
Lab File: BF094215.D
Acq: 6 Apr 2017 4:08

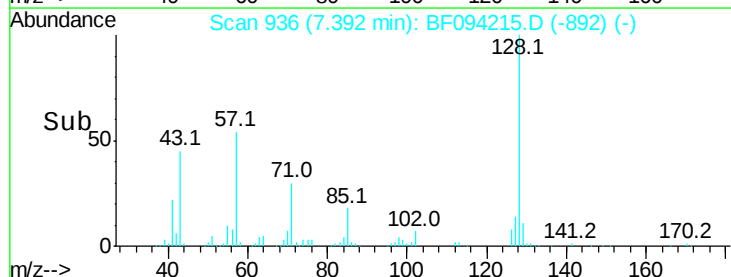
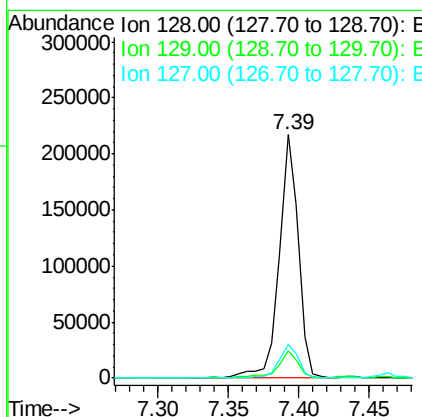
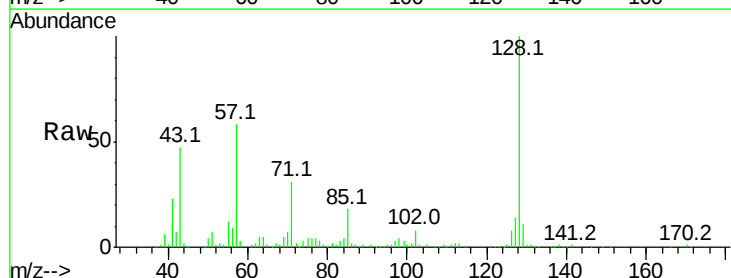
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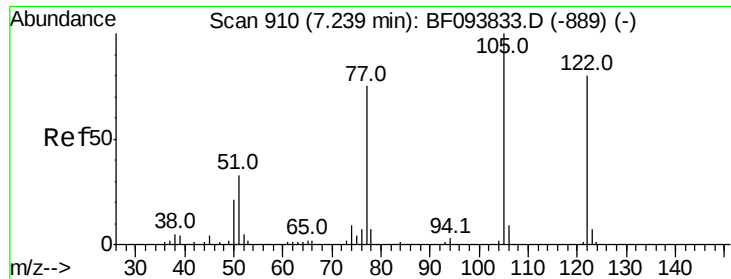
Tot Ion:122 Resp: 62968
Ion Ratio Lower Upper
122 100
107 118.9 89.2 133.8
121 61.6 45.2 67.8



#31
Naphthalene
Concen: 6.93 ng
RT: 7.39 min Scan# 936
Delta R.T. -0.04 min
Lab File: BF094215.D
Acq: 6 Apr 2017 4:08

Tgt Ion:128 Resp: 206266
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.7 10.8 16.2

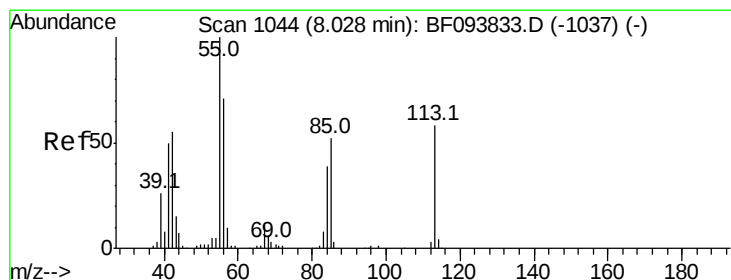
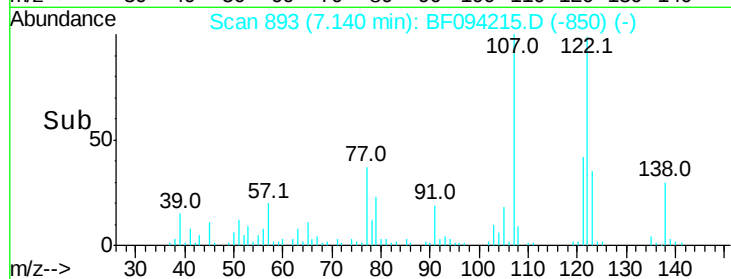
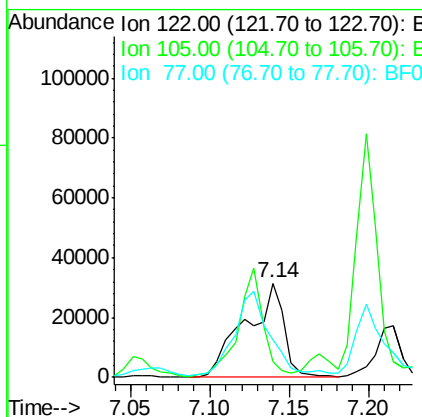
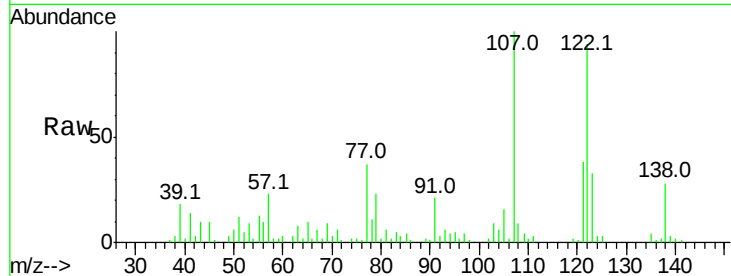




#32
Benzoic acid
Concen: 9.22 ng
RT: 7.14 min Scan# 893
Delta R.T. -0.05 min
Lab File: BF094215.D
Acq: 6 Apr 2017 4:08

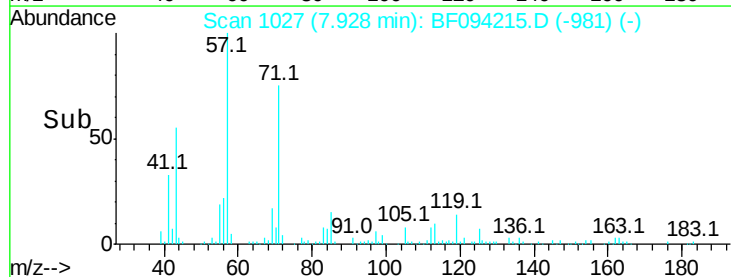
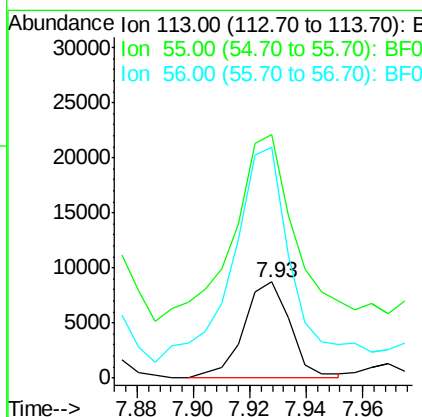
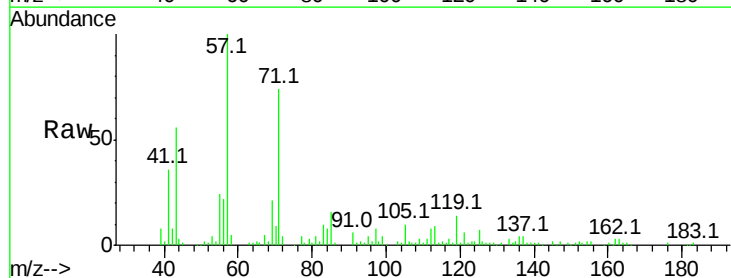
Instrument :
BNA_F
ClientSampleId :
E2-BB7-BASE

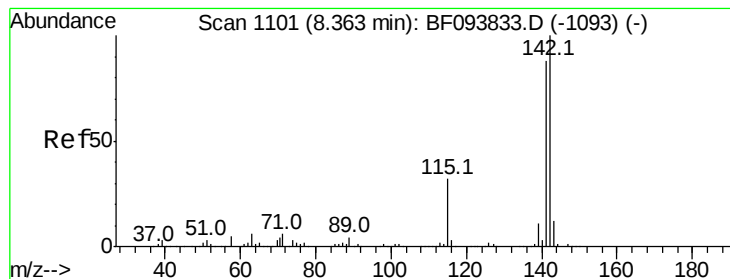
Tot Ion:122 Resp: 53961
Ion Ratio Lower Upper
122 100
105 17.3 103.3 143.3#
77 39.3 73.7 113.7#



#35
Caprolactam
Concen: 3.83 ng
RT: 7.93 min Scan# 1027
Delta R.T. -0.03 min
Lab File: BF094215.D
Acq: 6 Apr 2017 4:08

Tgt Ion:113 Resp: 10047
Ion Ratio Lower Upper
113 100
55 253.1 150.2 190.2#
56 240.0 107.8 147.8#





#37

2-Methylnaphthalene

Concen: 4.14 ng

RT: 8.23 min Scan# 1079

Delta R.T. -0.04 min

Lab File: BF094215.D

Acq: 6 Apr 2017 4:08

Instrument :

BNA_F

ClientSampleId :

E2-BB7-BASE

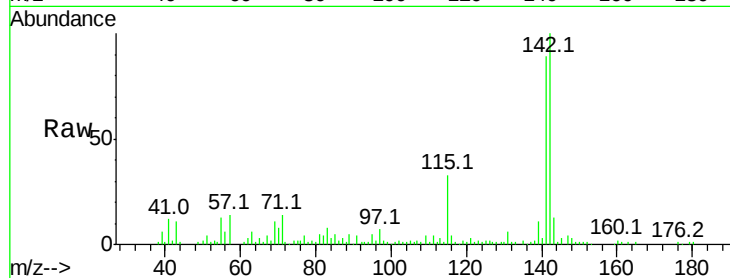
Tot Ion:142 Resp: 82035

Ion Ratio Lower Upper

142 100

141 89.1 71.3 106.9

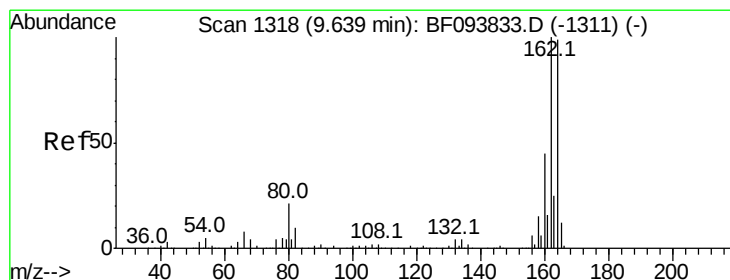
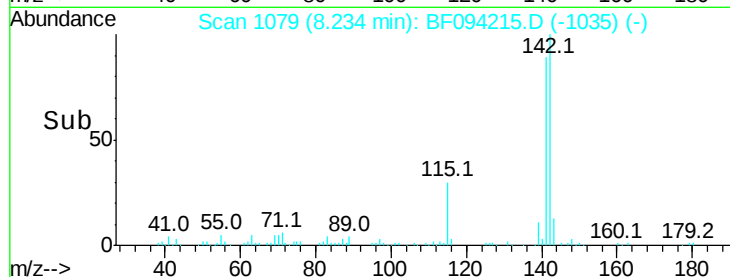
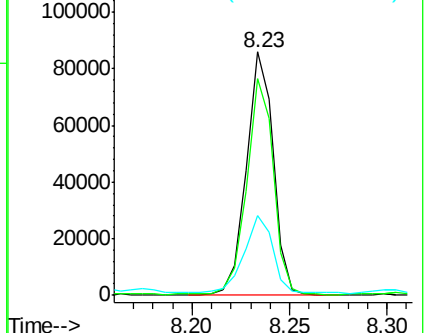
115 32.9 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.04 min

Lab File: BF094215.D

Acq: 6 Apr 2017 4:08

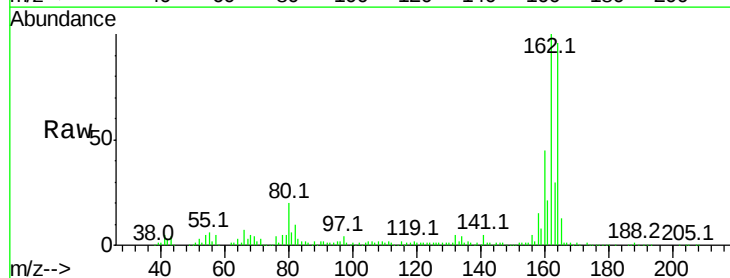
Tgt Ion:164 Resp: 253884

Ion Ratio Lower Upper

164 100

162 104.3 82.6 123.8

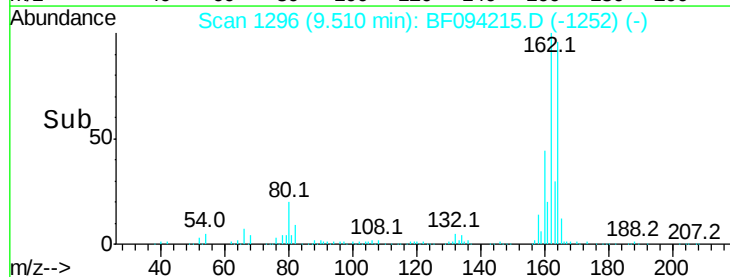
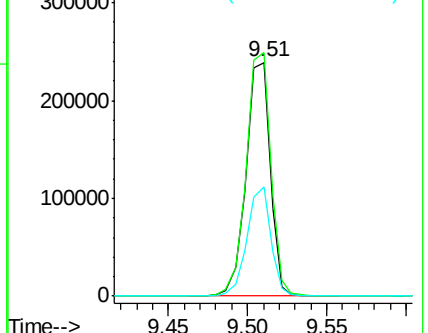
160 46.5 36.2 54.2

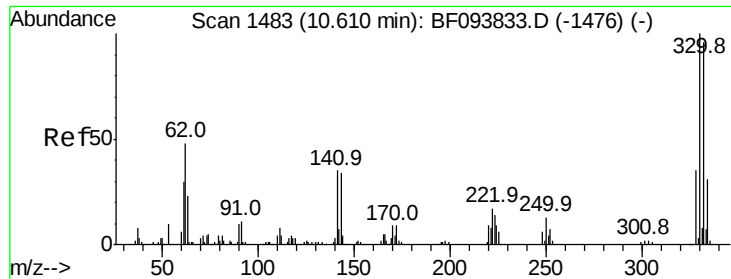


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

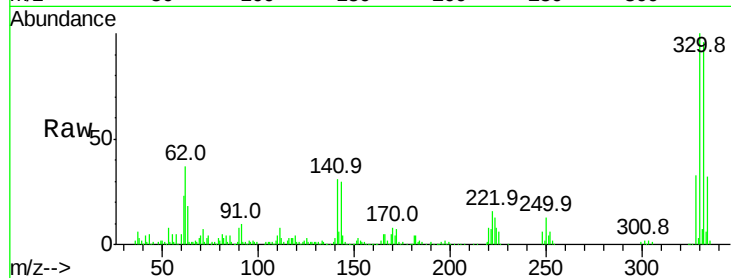




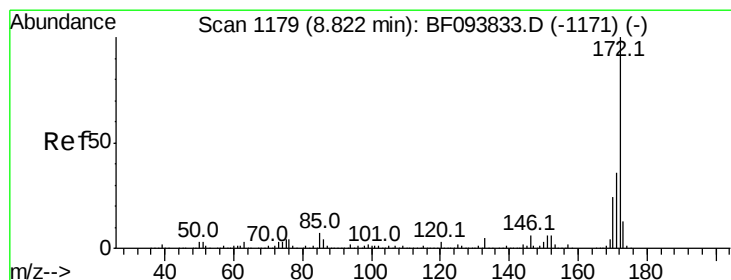
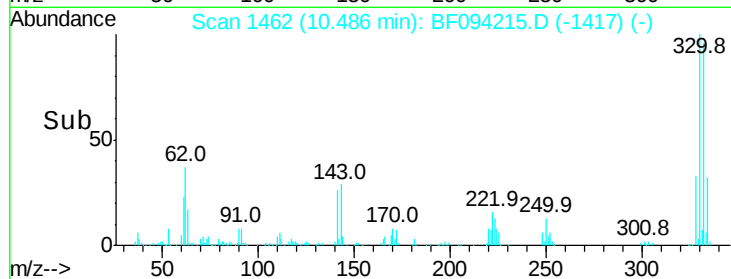
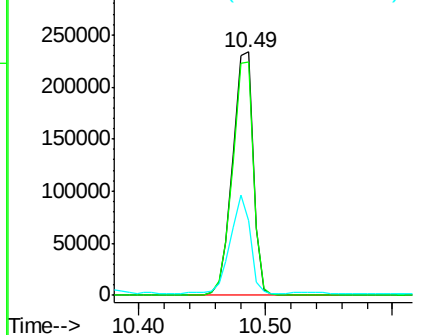
#41
 2,4,6-Tribromophenol
 Concen: 130.76 ng
 RT: 10.49 min Scan# 1462
 Delta R.T. -0.04 min
 Lab File: BF094215.D
 Acq: 6 Apr 2017 4:08

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB7-BASE

Tot Ion:330 Resp: 262330
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 39.0 31.4 47.2

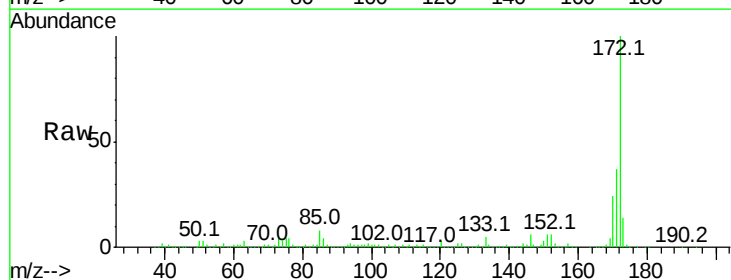


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

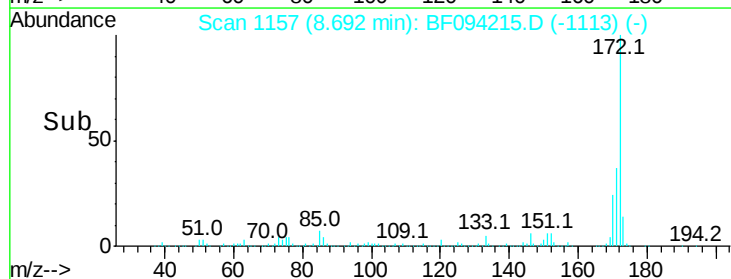
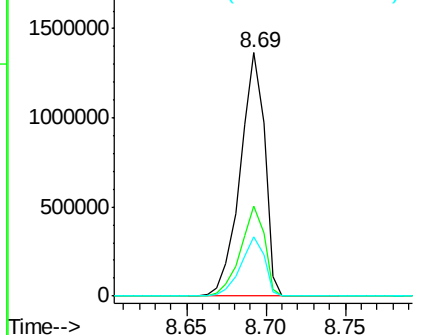


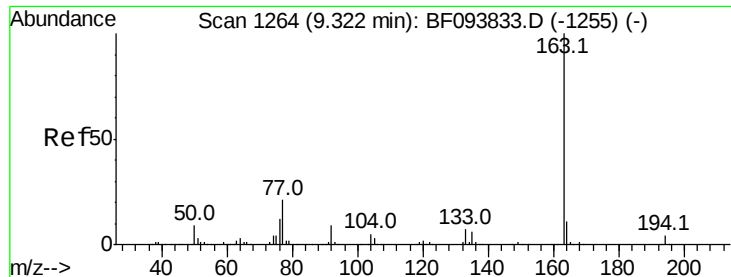
#44
 2-Fluorobiphenyl
 Concen: 87.39 ng
 RT: 8.69 min Scan# 1157
 Delta R.T. -0.04 min
 Lab File: BF094215.D
 Acq: 6 Apr 2017 4:08

Tgt Ion:172 Resp: 1454574
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.6 44.4
 170 24.3 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





#49

Dimethylphthalate

Concen: 8.94 ng

RT: 9.19 min Scan# 1241

Delta R.T. -0.06 min

Lab File: BF094215.D

Acq: 6 Apr 2017 4:08

Instrument :

BNA_F

ClientSampleId :

E2-BB7-BASE

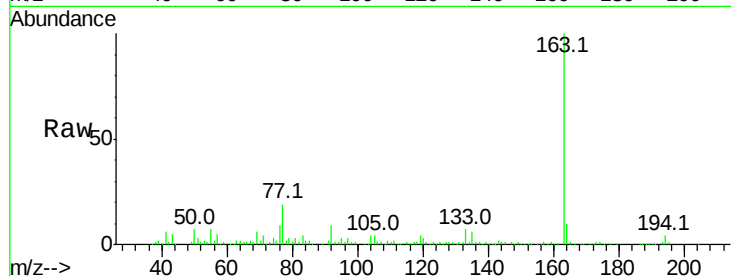
Tot Ion:163 Resp: 161392

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

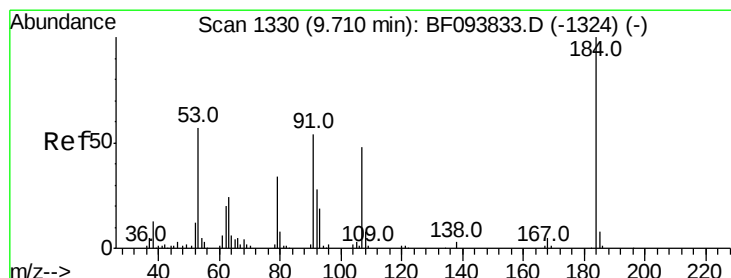
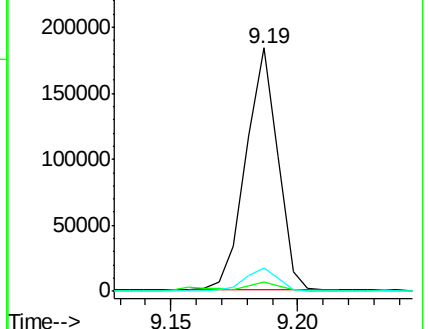
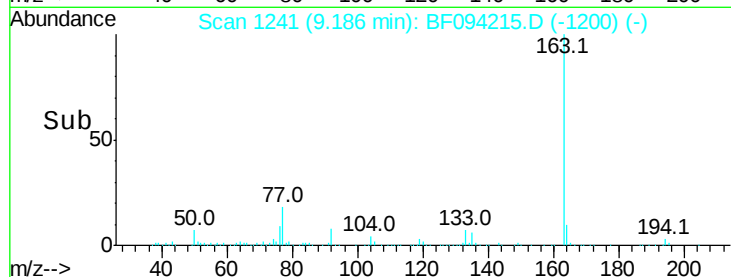
164 9.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 4.71 ng

RT: 9.79 min Scan# 1343

Delta R.T. 0.15 min

Lab File: BF094215.D

Acq: 6 Apr 2017 4:08

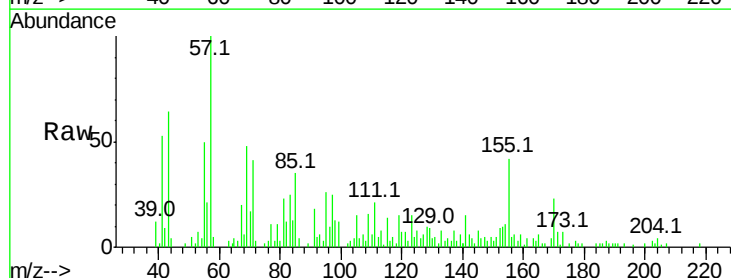
Tgt Ion:184 Resp: 118

Ion Ratio Lower Upper

184 100

63 191.0 62.7 94.1#

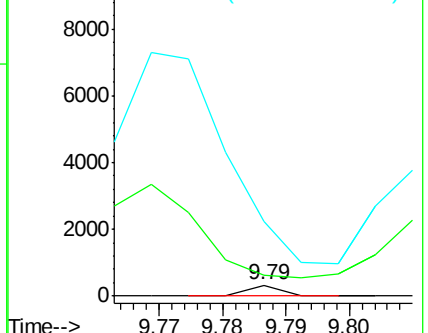
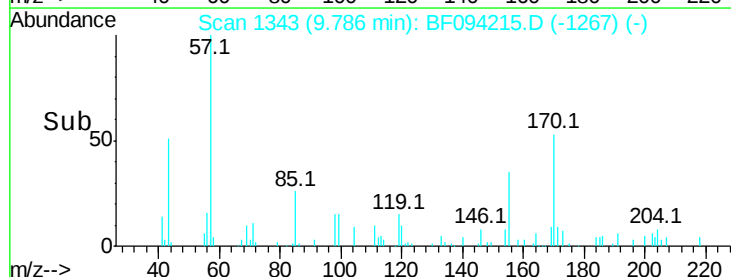
154 663.9 81.1 121.7#

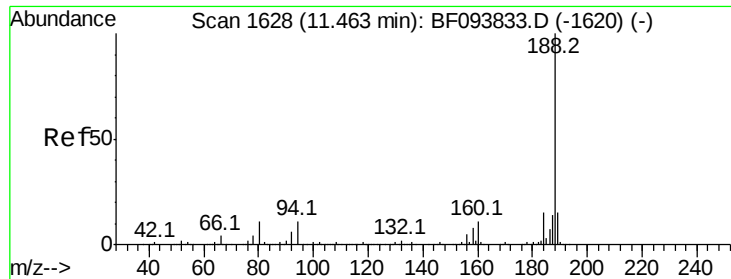


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

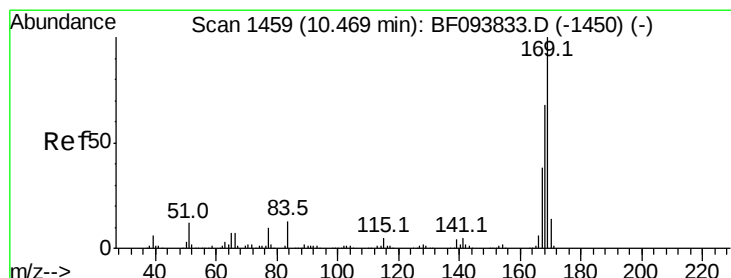
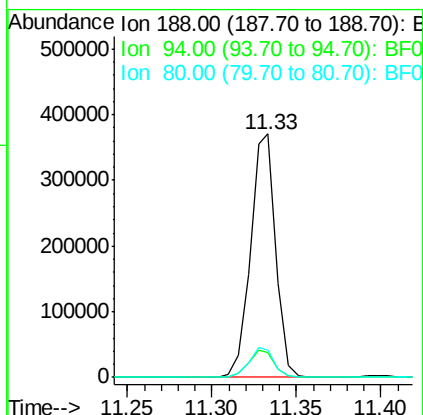
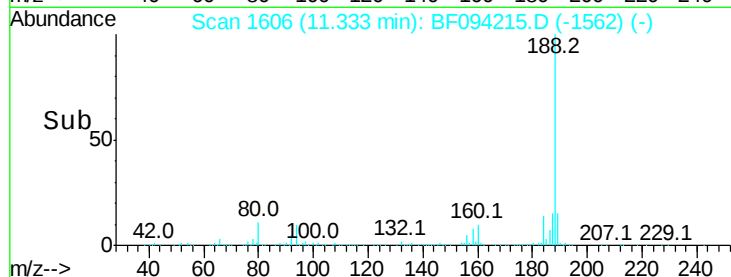
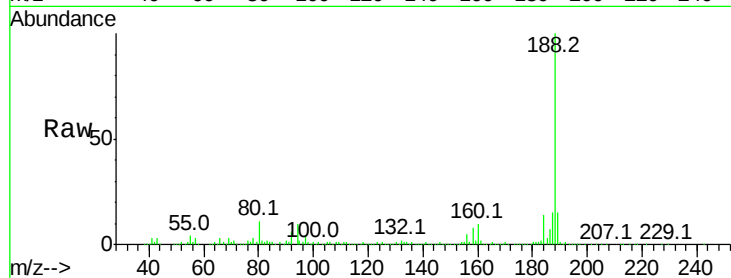




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 1606
Delta R.T. -0.04 min
Lab File: BF094215.D
Acq: 6 Apr 2017 4:08

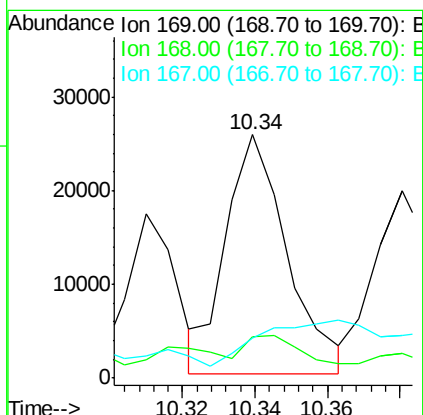
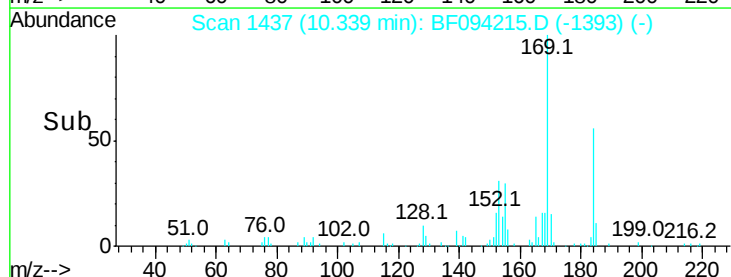
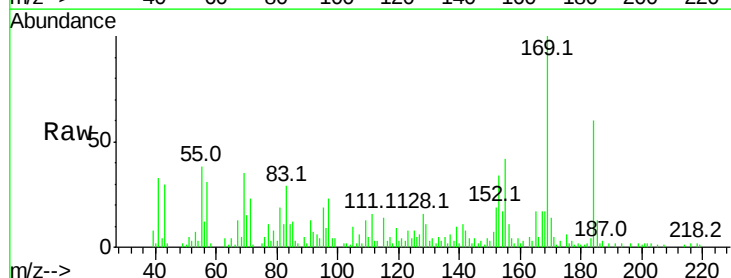
Instrument :
BNA_F
ClientSampleId :
E2-BB7-BASE

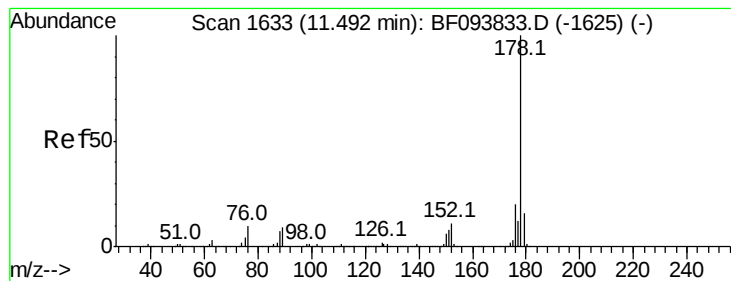
Tot Ion:188 Resp: 384049
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 11.0 10.2 15.2



#65
n-Nitrosodiphenylamine
Concen: 2.27 ng
RT: 10.34 min Scan# 1437
Delta R.T. -0.04 min
Lab File: BF094215.D
Acq: 6 Apr 2017 4:08

Tgt Ion:169 Resp: 30122
Ion Ratio Lower Upper
169 100
168 16.8 53.2 79.8#
167 16.7 29.5 44.3#





#70

Phenanthrene

Concen: 3.37 ng

RT: 11.36 min Scan# 1610

Delta R.T. -0.05 min

Lab File: BF094215.D

Acq: 6 Apr 2017 4:08

Instrument :

BNA_F

ClientSampleId :

E2-BB7-BASE

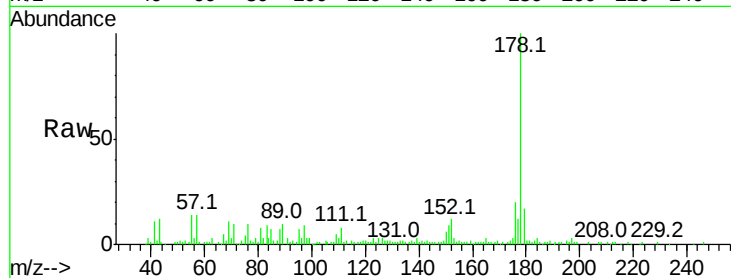
Tot Ion:178 Resp: 72084

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.4

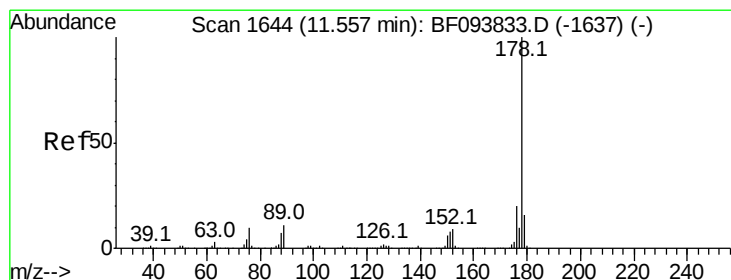
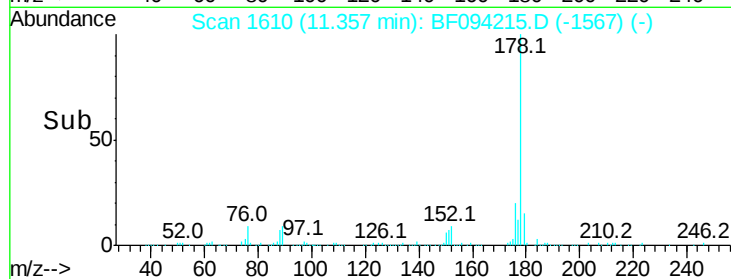
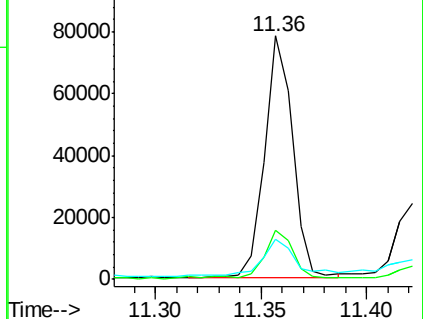
179 16.5 12.6 19.0



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: 3.28 ng

RT: 11.36 min Scan# 1610

Delta R.T. -0.11 min

Lab File: BF094215.D

Acq: 6 Apr 2017 4:08

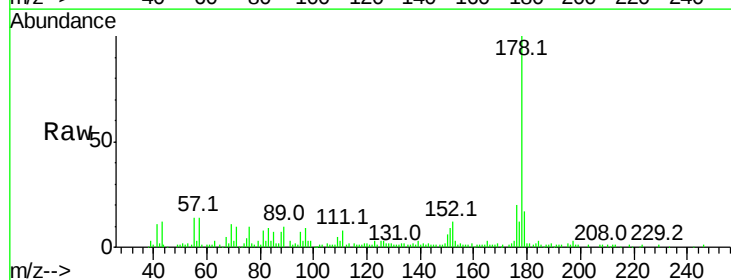
Tgt Ion:178 Resp: 72084

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

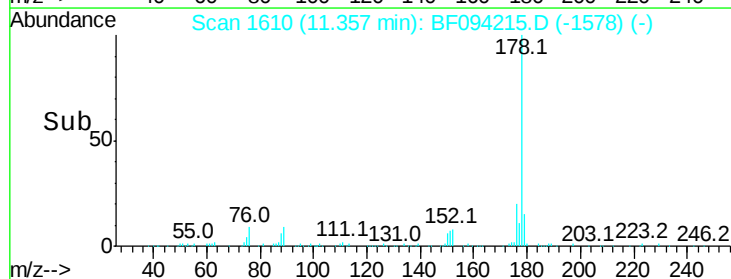
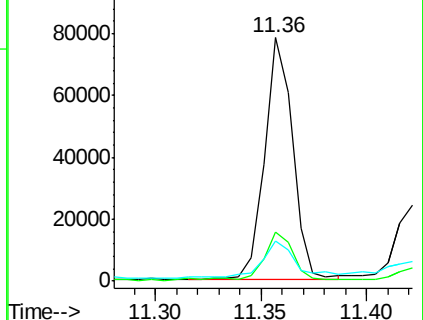
179 16.5 12.7 19.1

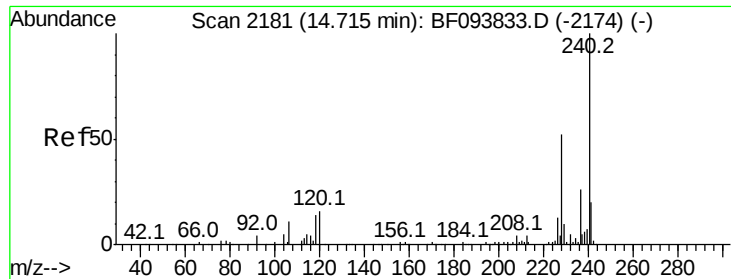


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.59 min Scan# 2159

Delta R.T. -0.04 min

Lab File: BF094215.D

Acq: 6 Apr 2017 4:08

Instrument :

BNA_F

ClientSampleId :

E2-BB7-BASE

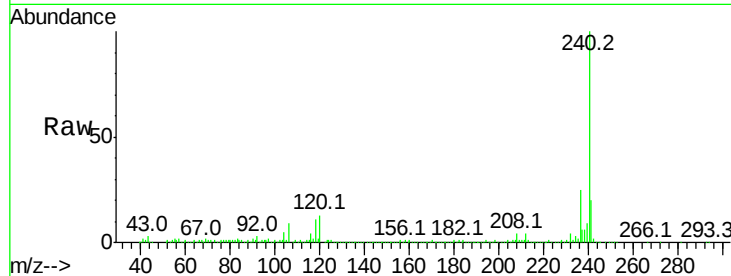
Tot Ion:240 Resp: 326665

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

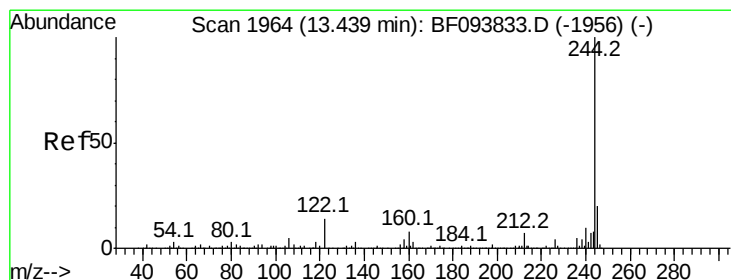
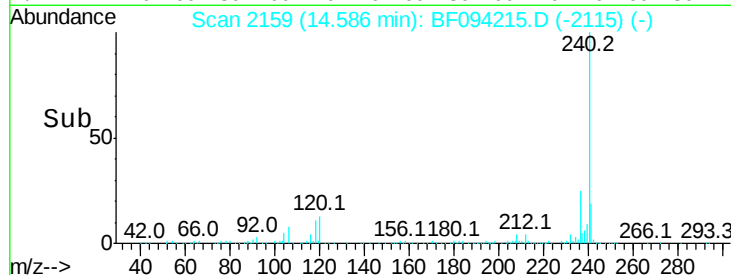
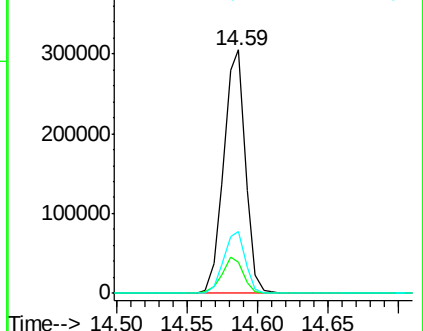
236 25.2 20.5 30.7



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



#78

Terphenyl-d14

Concen: 61.39 ng

RT: 13.32 min Scan# 1943

Delta R.T. -0.04 min

Lab File: BF094215.D

Acq: 6 Apr 2017 4:08

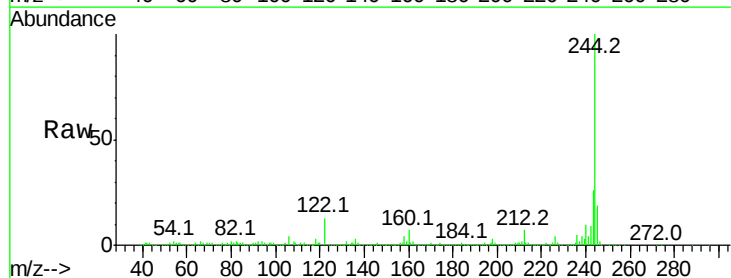
Tgt Ion:244 Resp: 894717

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

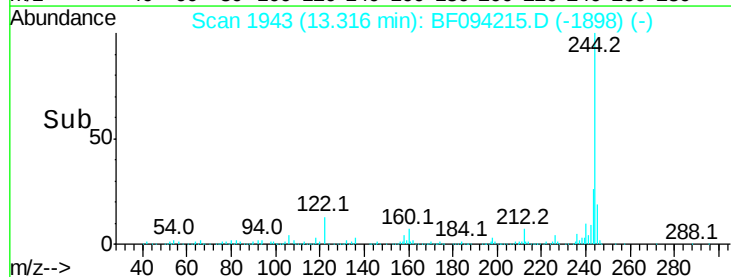
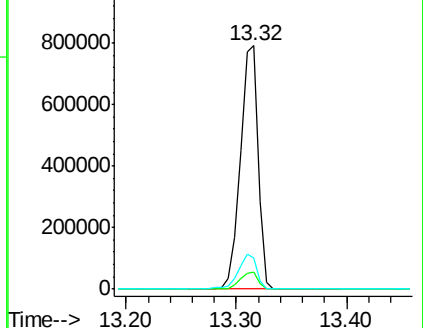
122 13.0 10.3 15.5

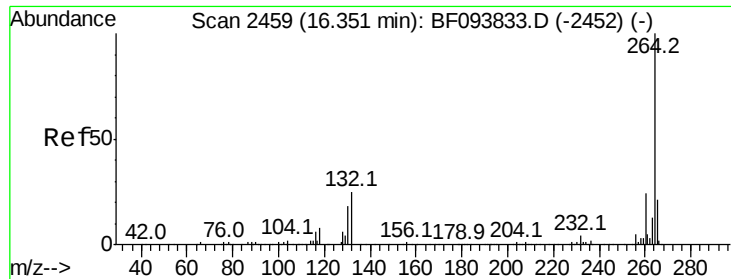


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

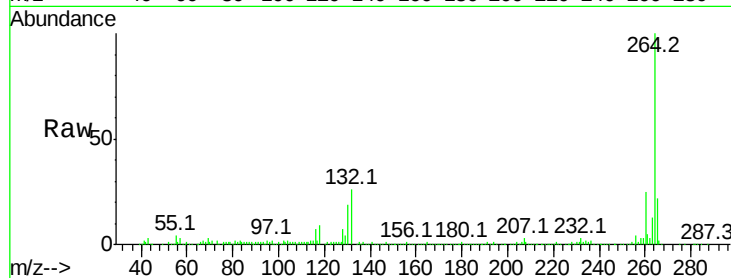




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.21 min Scan# 2435
 Delta R.T. -0.04 min
 Lab File: BF094215.D
 Acq: 6 Apr 2017 4:08

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB7-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.8	17.2	25.8



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

