

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
 Data File : BF094347.D
 Acq On : 11 Apr 2017 9:11
 Operator : SJ/MA
 Sample : I2601-06
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 11:23:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.84	152	154397	20.00	ng	-0.02
21) Naphthalene-d8	7.34	136	607726	20.00	ng	-0.02
38) Acenaphthene-d10	9.48	164	255343	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	407554	20.00	ng	-0.02
75) Chrysene-d12	14.55	240	298150	20.00	ng	-0.02
86) Perylene-d12	16.18	264	245507	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.40	112	1247635	136.48	ng	0.01
7) Phenol-d6	5.47	99	1613810	142.71	ng	0.01
23) Nitrobenzene-d5	6.49	82	990522	93.02	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	282352	139.93	ng	-0.02
44) 2-Fluorobiphenyl	8.67	172	1483586	88.62	ng	-0.02
78) Terphenyl-d14	13.28	244	925803	69.60	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	5.49	94	111206	8.64	ng	89
15) Benzyl Alcohol	6.02	79	17322	2.09	ng	# 52
19) n-Nitroso-di-n-propylamine	6.49	70	129503	17.82	ng	# 78
49) Dimethylphthalate	9.16	163	178275	9.82	ng	99
56) 2,4-Dinitrotoluene	9.47	165	33062	6.33	ng	# 33
74) Fluoranthene	12.79	202	63190	2.72	ng	99
77) Pyrene	13.07	202	60233	2.78	ng	98
87) Benzo(b)fluoranthene	15.77	252	49328	3.28	ng	# 92
88) Benzo(k)fluoranthene	15.77	252	49328	3.35	ng	96

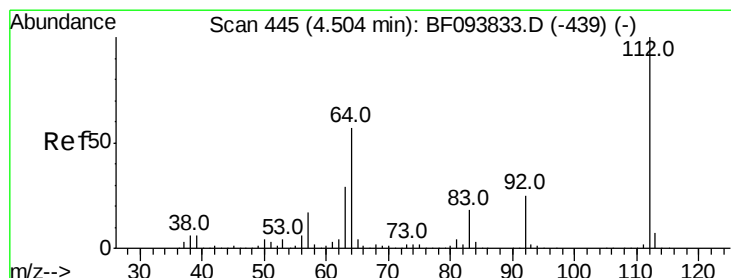
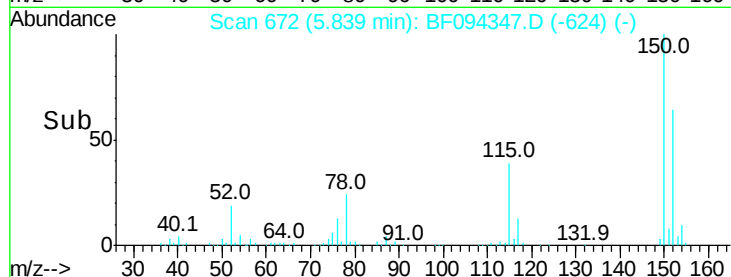
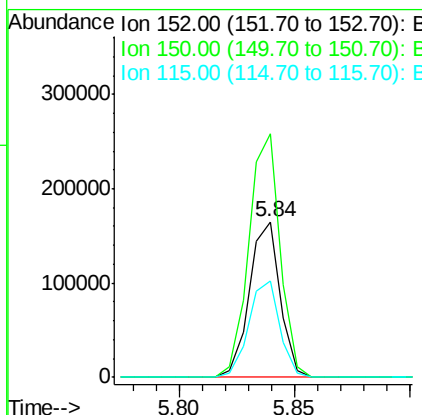
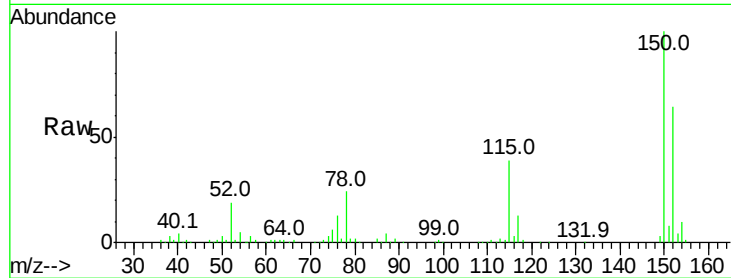
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.84 min Scan# 672
 Delta R.T. -0.02 min
 Lab File: BF094347.D
 Acq: 11 Apr 2017 9:11

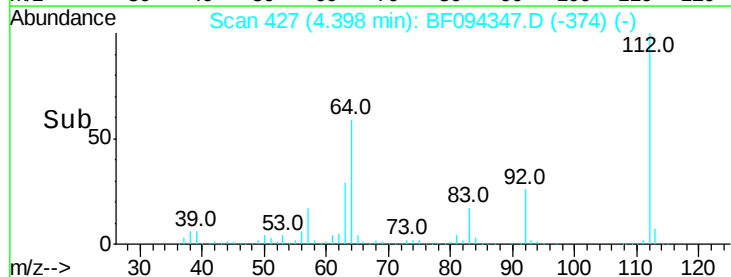
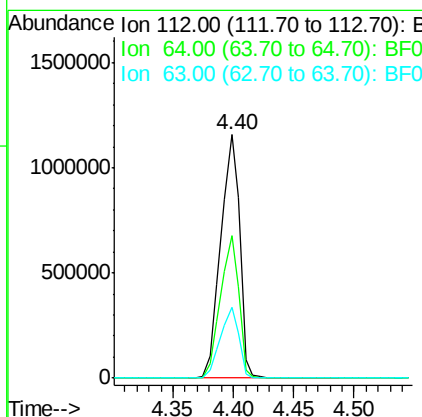
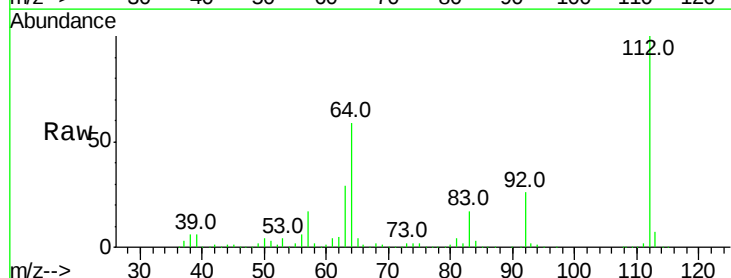
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 154397
 Ion Ratio Lower Upper
 152 100
 150 156.4 126.2 189.2
 115 61.5 52.2 78.2



#5
 2-Fluorophenol
 Concen: 136.48 ng
 RT: 4.40 min Scan# 427
 Delta R.T. 0.01 min
 Lab File: BF094347.D
 Acq: 11 Apr 2017 9:11

Tgt Ion:112 Resp: 1247635
 Ion Ratio Lower Upper
 112 100
 64 58.7 46.0 69.0
 63 29.2 23.4 35.0





#7

Phenol-d6

Concen: 142.71 ng

RT: 5.47 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF094347.D

Acq: 11 Apr 2017 9:11

Instrument :

BNA_F

ClientSampleId :

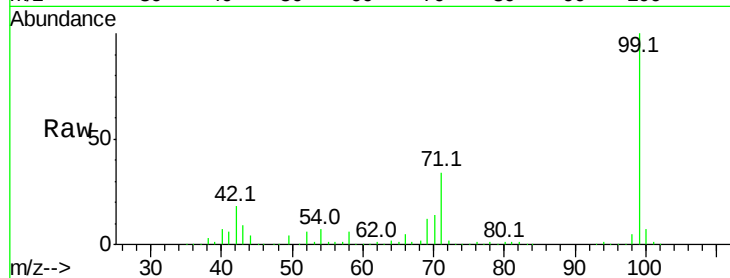
Tot Ion: 99 Resp: 1613810

Ion Ratio Lower Upper

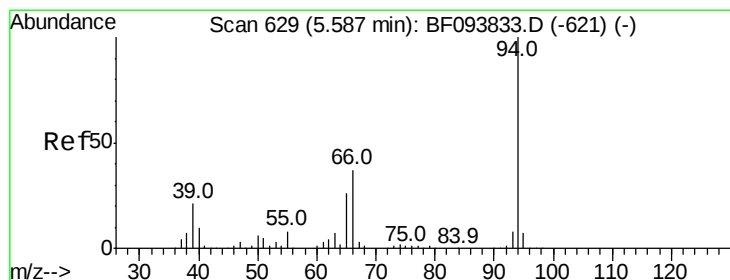
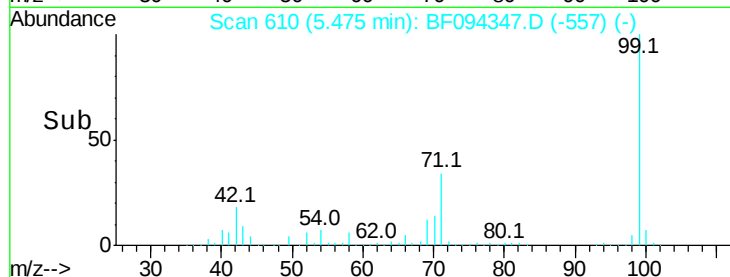
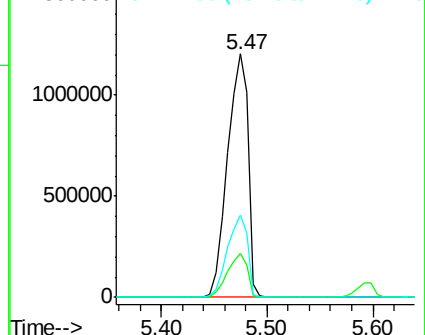
99 100

42 18.2 13.5 20.3

71 33.9 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: 8.64 ng

RT: 5.49 min Scan# 612

Delta R.T. 0.01 min

Lab File: BF094347.D

Acq: 11 Apr 2017 9:11

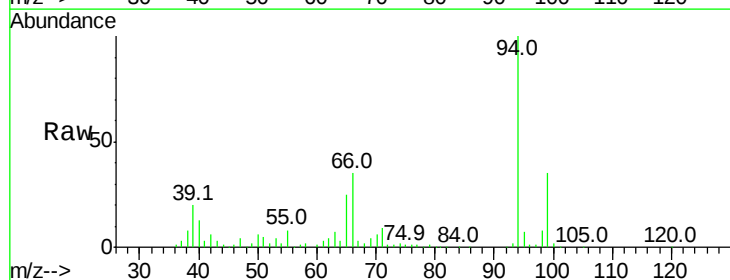
Tgt Ion: 94 Resp: 111206

Ion Ratio Lower Upper

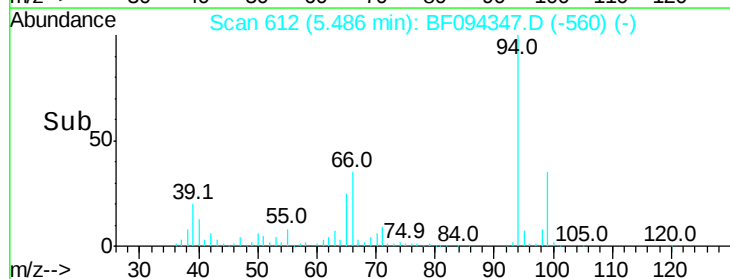
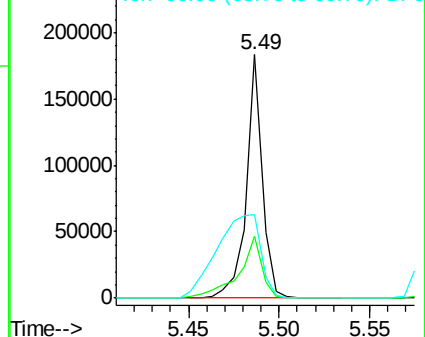
94 100

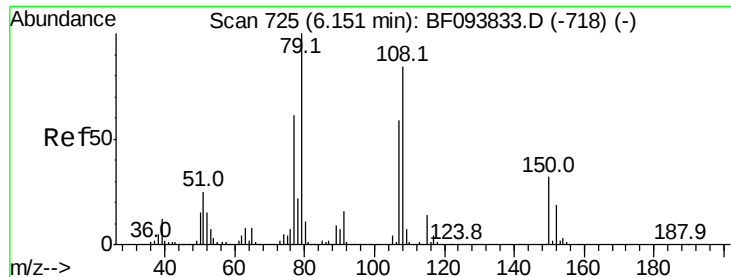
65 25.2 9.9 49.9

66 34.6 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





#15

Benzyl Alcohol

Concen: 2.09 ng

RT: 6.02 min Scan# 702

Delta R.T. -0.01 min

Lab File: BF094347.D

Acq: 11 Apr 2017 9:11

Instrument :

BNA_F

ClientSampleId :

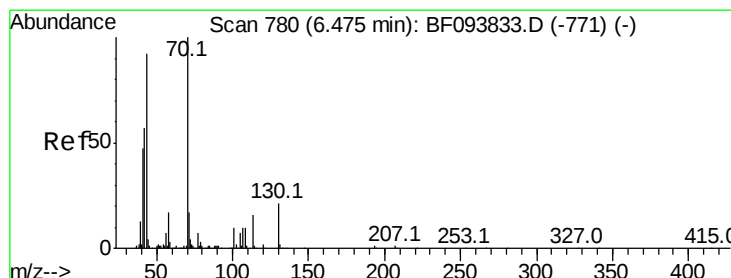
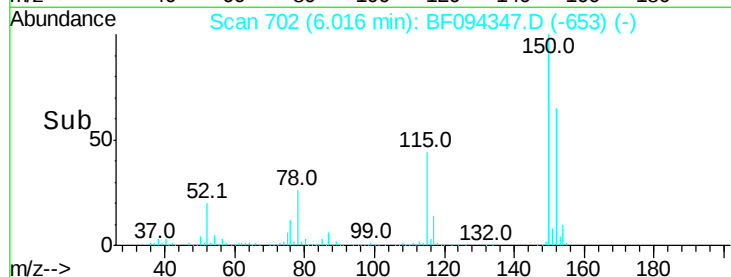
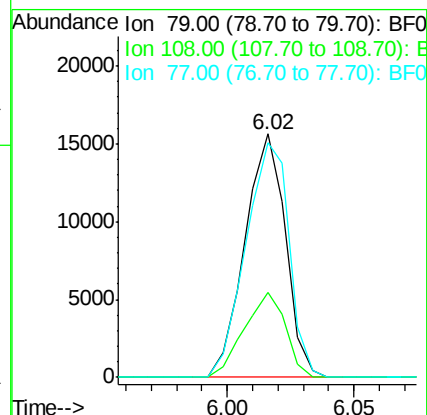
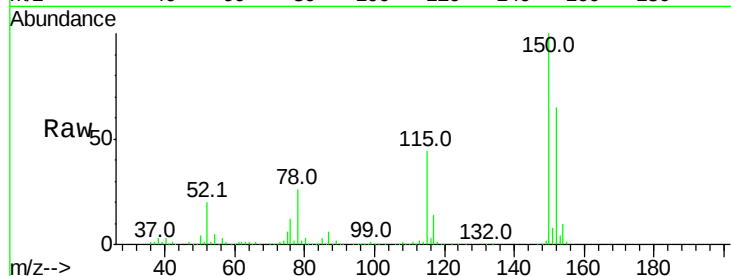
Tot Ion: 79 Resp: 17322

Ion Ratio Lower Upper

79 100

108 35.0 63.4 95.0#

77 96.6 49.2 73.8#



#19

n-Nitroso-di-n-propylamine

Concen: 17.82 ng

RT: 6.49 min Scan# 783

Delta R.T. 0.15 min

Lab File: BF094347.D

Acq: 11 Apr 2017 9:11

Tgt Ion: 70 Resp: 129503

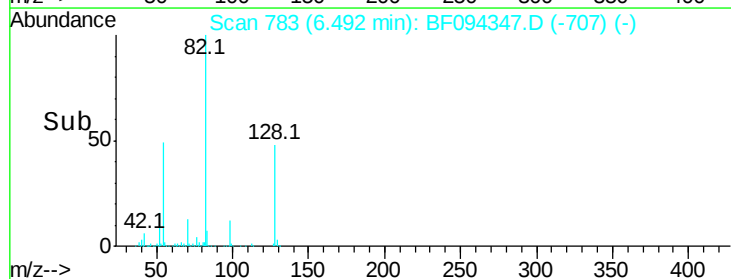
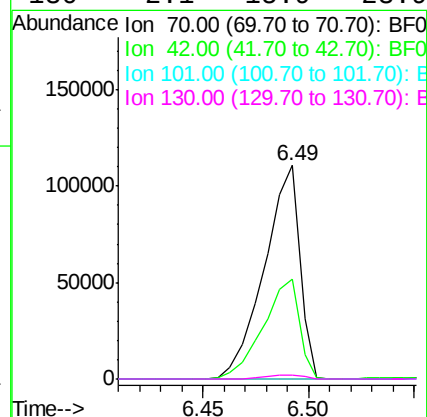
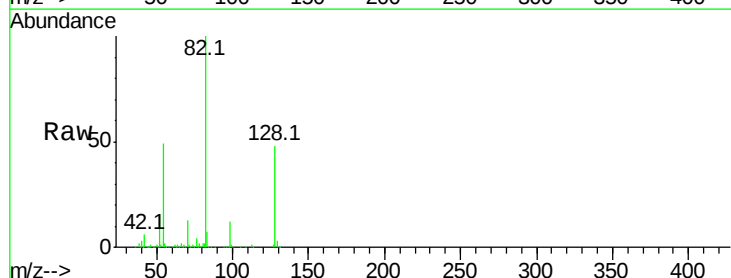
Ion Ratio Lower Upper

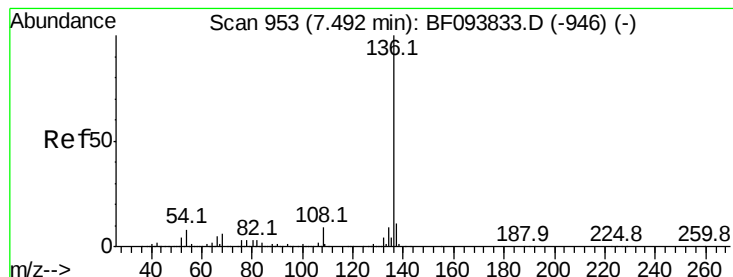
70 100

42 46.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.34 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF094347.D

Acq: 11 Apr 2017 9:11

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 607726

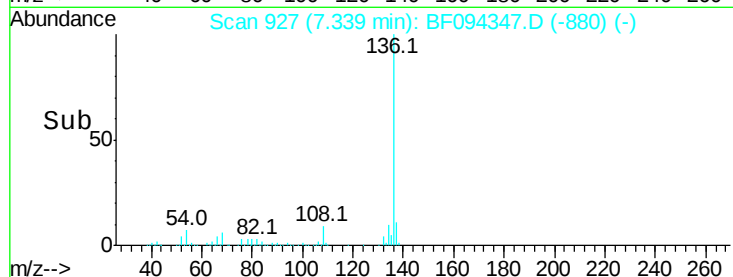
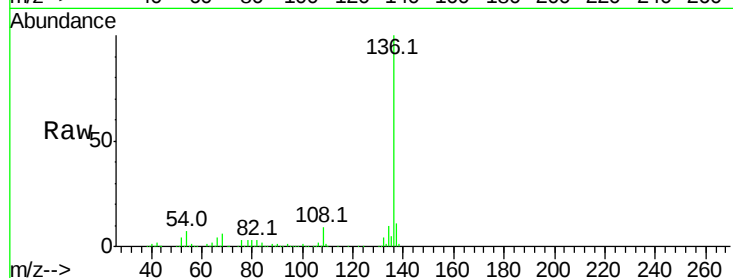
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 6.9 4.9 7.3

68 5.7 4.1 6.1

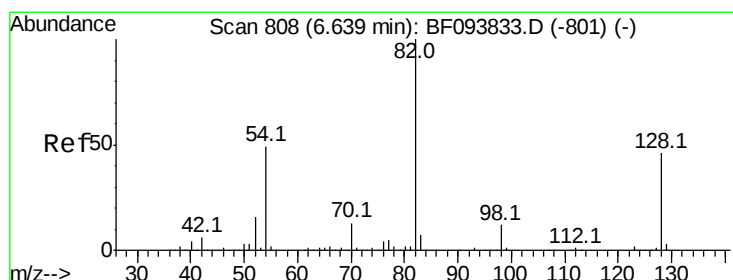
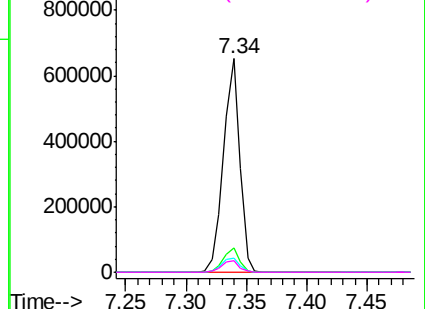


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 93.02 ng

RT: 6.49 min Scan# 783

Delta R.T. -0.02 min

Lab File: BF094347.D

Acq: 11 Apr 2017 9:11

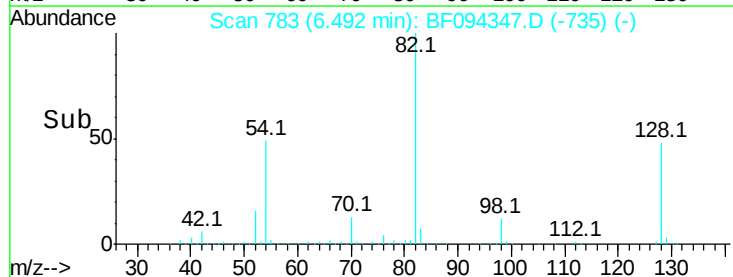
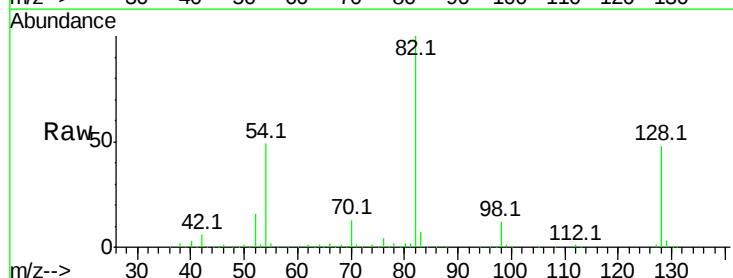
Tgt Ion: 82 Resp: 990522

Ion Ratio Lower Upper

82 100

128 47.7 34.0 51.0

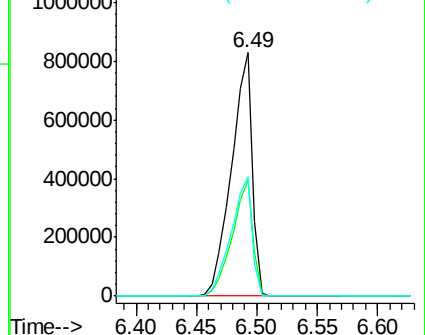
54 48.9 42.2 63.2

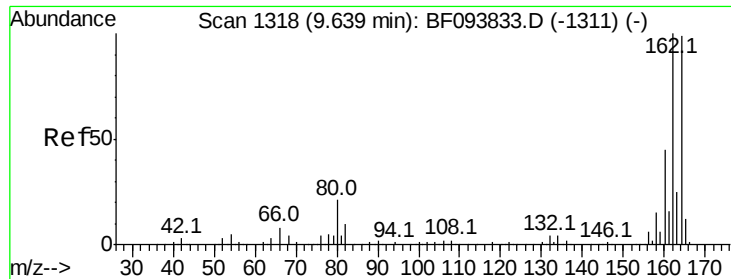


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

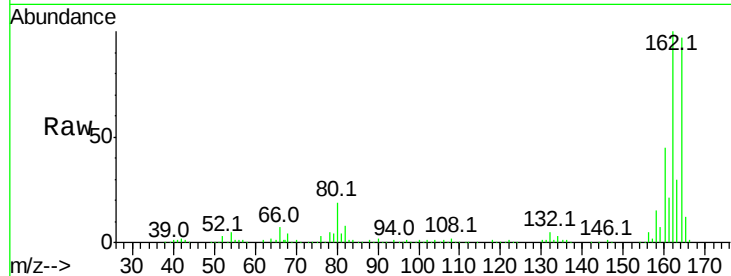




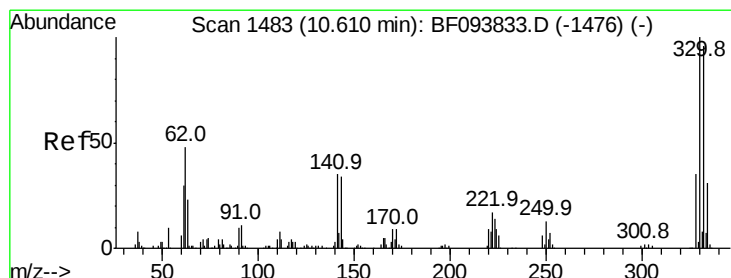
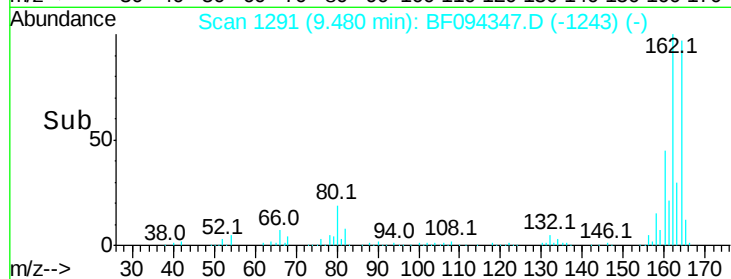
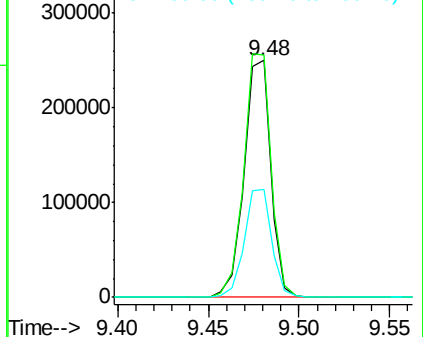
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.48 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF094347.D
 Acq: 11 Apr 2017 9:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 255343
 Ion Ratio Lower Upper
 164 100
 162 102.6 82.6 123.8
 160 45.7 36.2 54.2

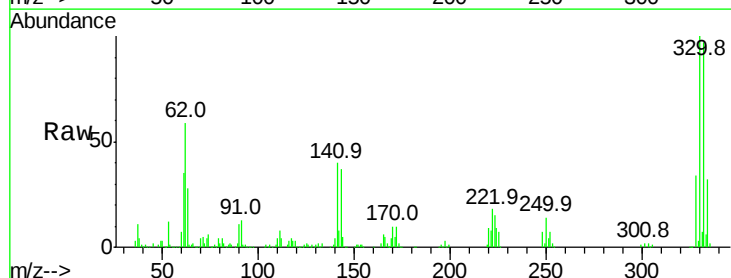


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

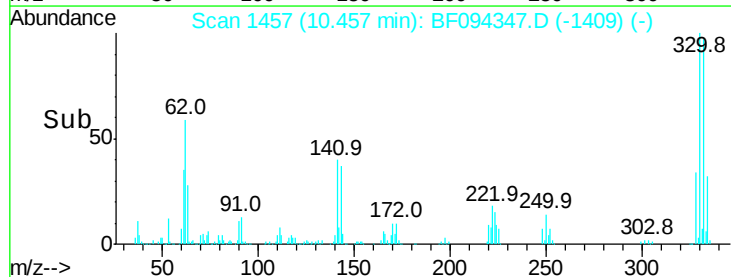
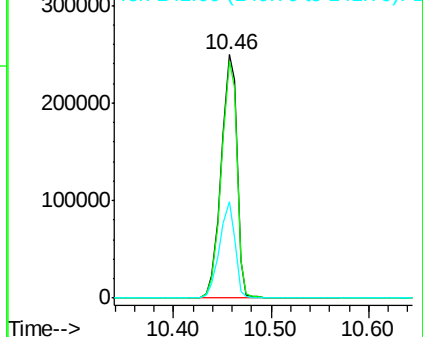


#41
 2,4,6-Tribromophenol
 Concen: 139.93 ng
 RT: 10.46 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF094347.D
 Acq: 11 Apr 2017 9:11

Tgt Ion:330 Resp: 282352
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 38.7 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



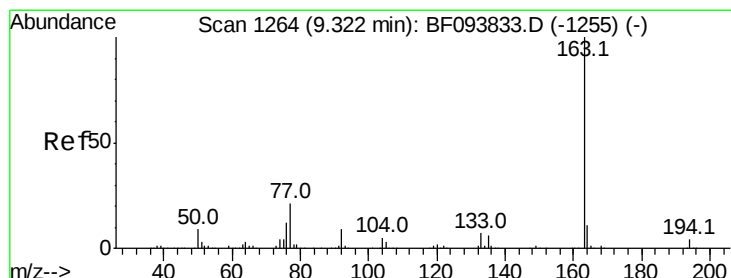
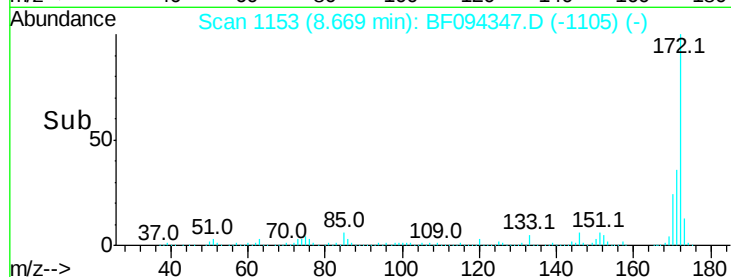
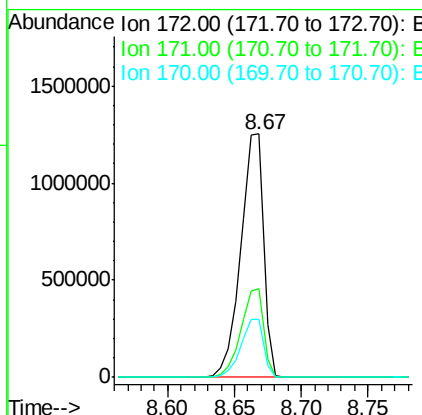
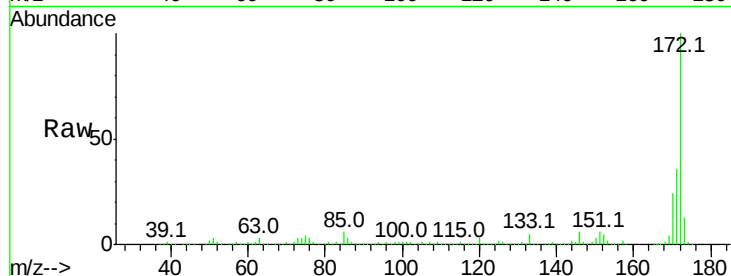


#44
 2-Fluorobiphenyl
 Concen: 88.62 ng
 RT: 8.67 min Scan# 1153
 Delta R.T. -0.02 min
 Lab File: BF094347.D
 Acq: 11 Apr 2017 9:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1483586

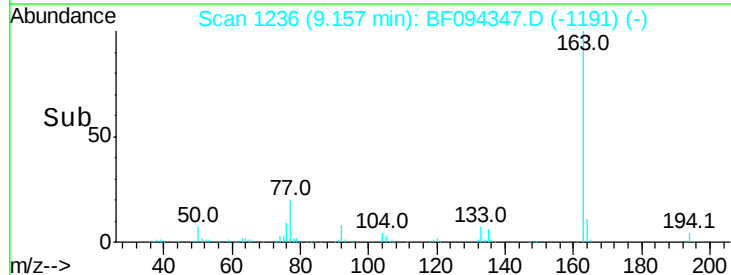
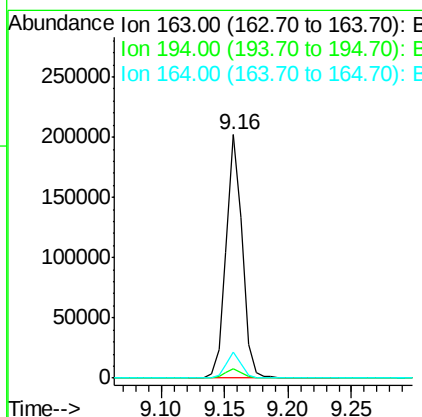
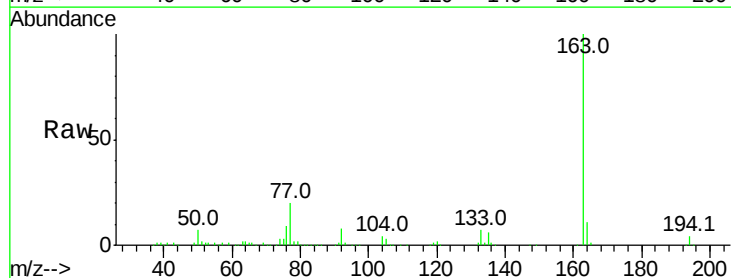
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.0	19.8	29.8



#49
 Dimethylphthalate
 Concen: 9.82 ng
 RT: 9.16 min Scan# 1236
 Delta R.T. -0.04 min
 Lab File: BF094347.D
 Acq: 11 Apr 2017 9:11

Tgt Ion:163 Resp: 178275

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	10.6	8.4	12.6

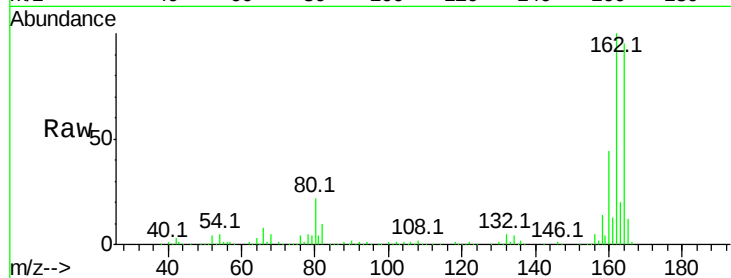




#56
 2,4-Dinitrotoluene
 Concen: 6.33 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.28 min
 Lab File: BF094347.D
 Acq: 11 Apr 2017 9:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#

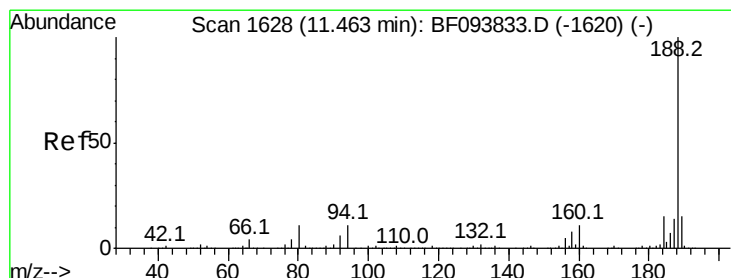
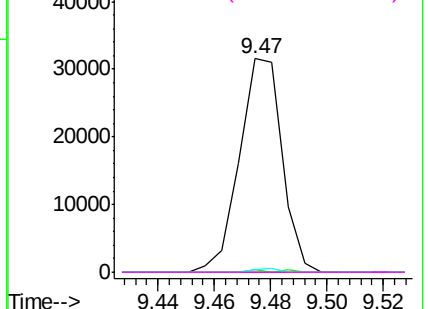
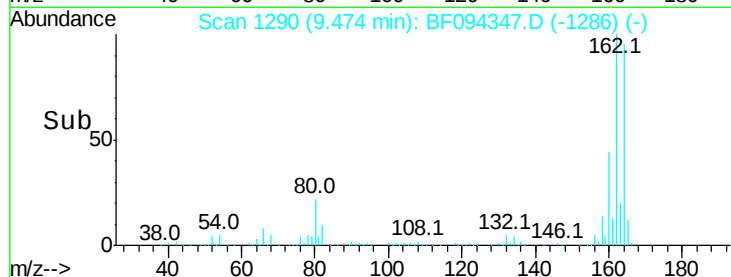


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

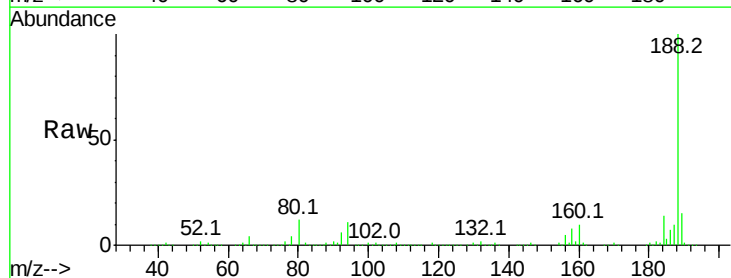
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1600
 Delta R.T. -0.02 min
 Lab File: BF094347.D
 Acq: 11 Apr 2017 9:11

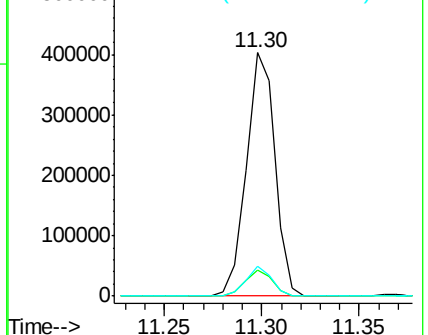
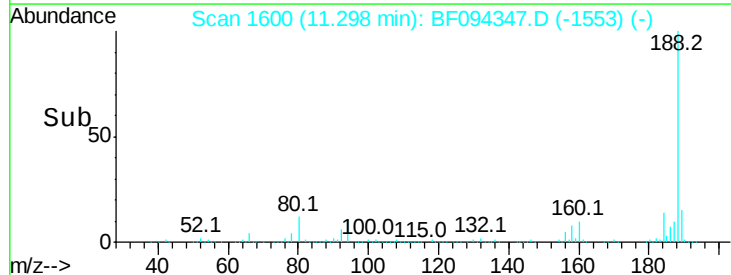
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	12.2	10.2	15.2

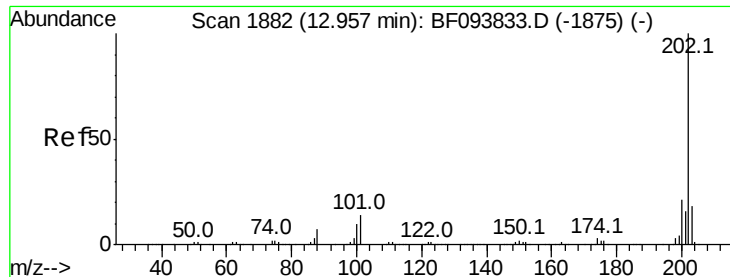


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

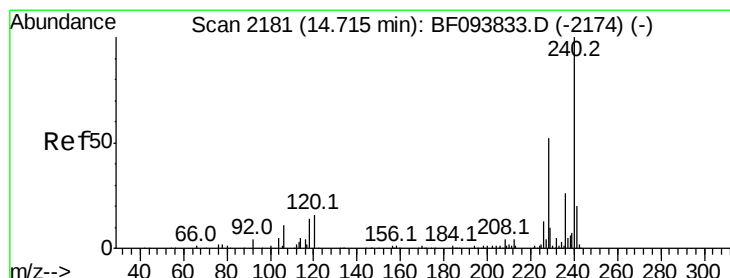
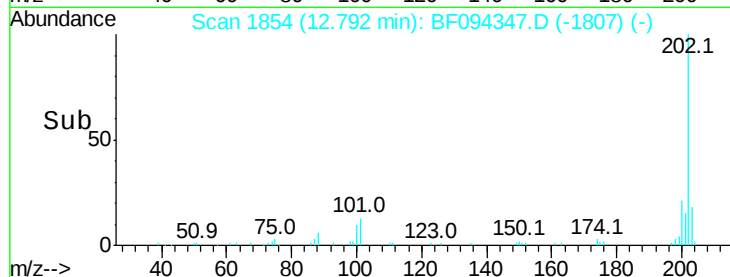
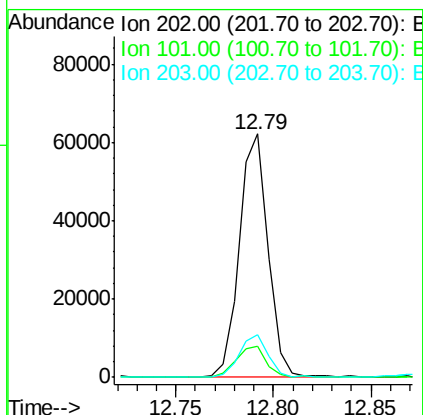
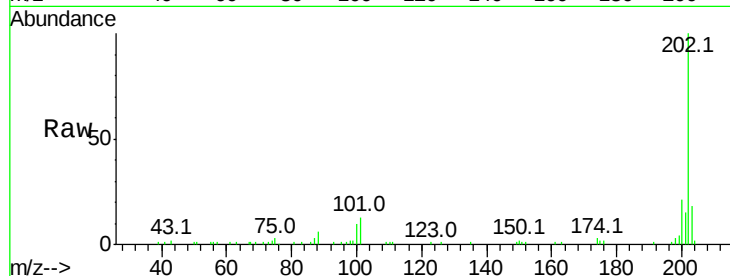




#74
 Fluoranthene
 Concen: 2.72 ng
 RT: 12.79 min Scan# 1854
 Delta R.T. -0.02 min
 Lab File: BF094347.D
 Acq: 11 Apr 2017 9:11

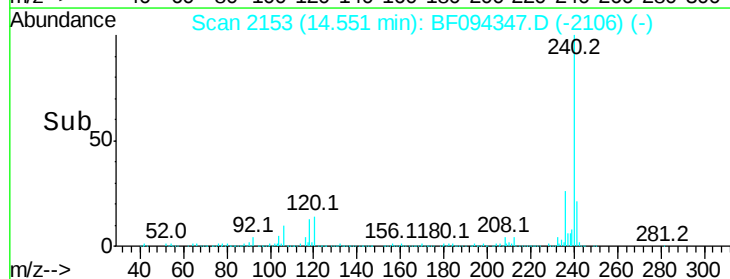
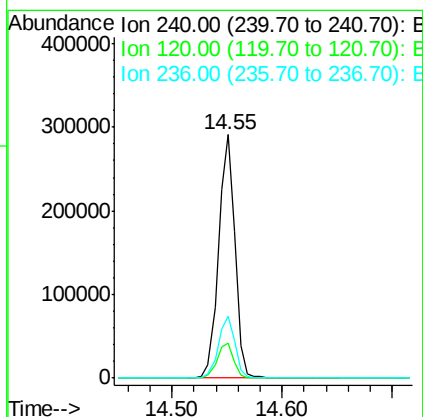
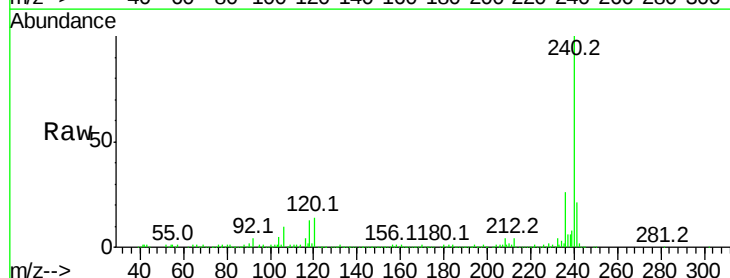
Instrument :
 BNA_F
 ClientSampleId :

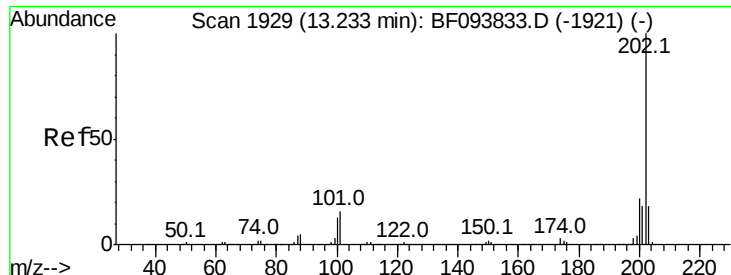
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.55 min Scan# 2153
 Delta R.T. -0.02 min
 Lab File: BF094347.D
 Acq: 11 Apr 2017 9:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.1	5.8	8.8#
236	25.6	20.5	30.7

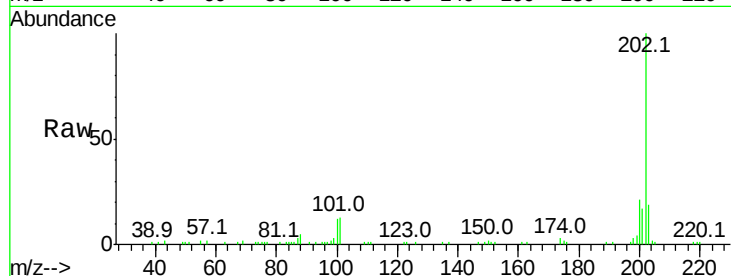




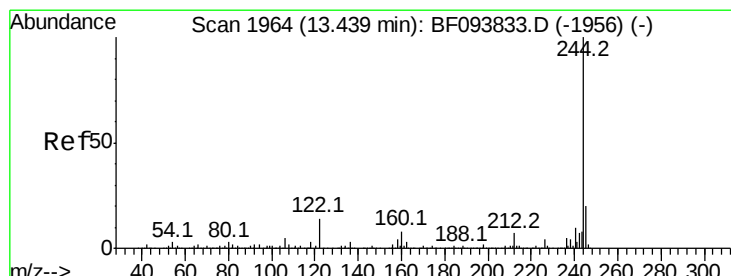
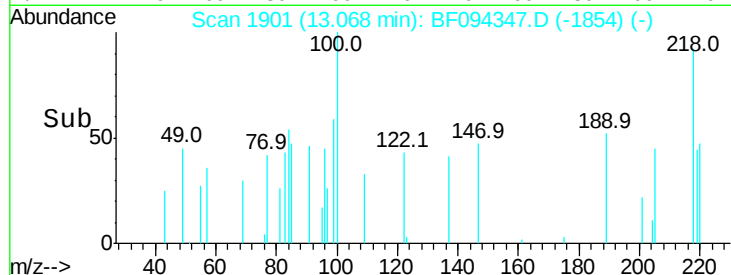
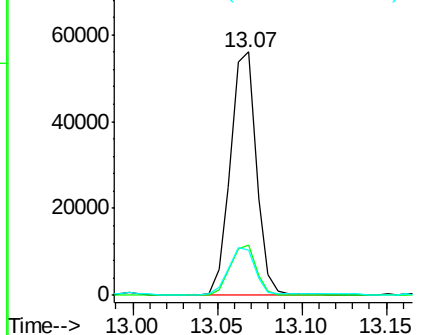
#77
Pvrene
Concen: 2.78 ng
RT: 13.07 min Scan# 1901
Delta R.T. -0.02 min
Lab File: BF094347.D
Acq: 11 Apr 2017 9:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 60233
Ion Ratio Lower Upper
202 100
200 20.5 17.6 26.4
203 18.7 14.4 21.6

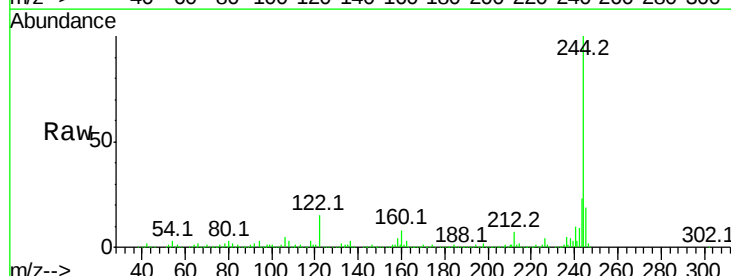


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

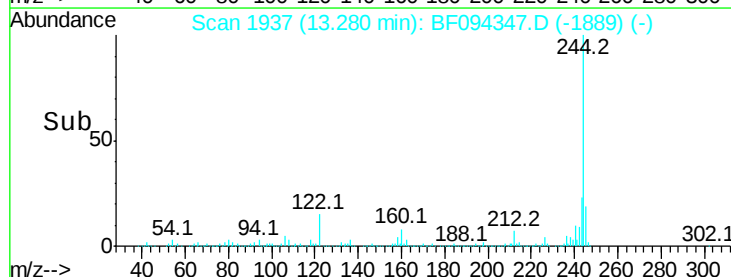
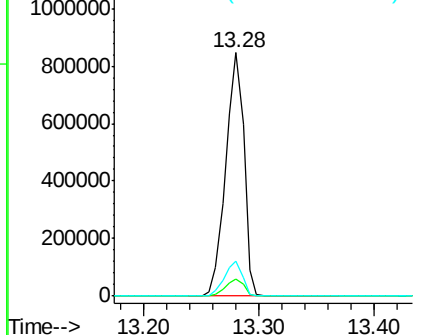


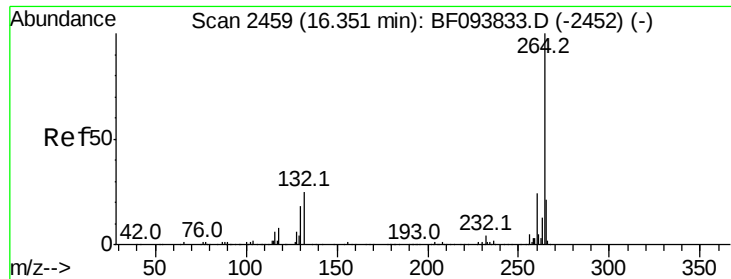
#78
Terphenyl-d14
Concen: 69.60 ng
RT: 13.28 min Scan# 1937
Delta R.T. -0.02 min
Lab File: BF094347.D
Acq: 11 Apr 2017 9:11

Tgt Ion:244 Resp: 925803
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 14.5 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



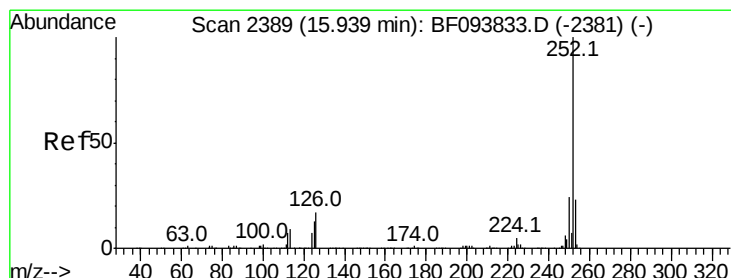
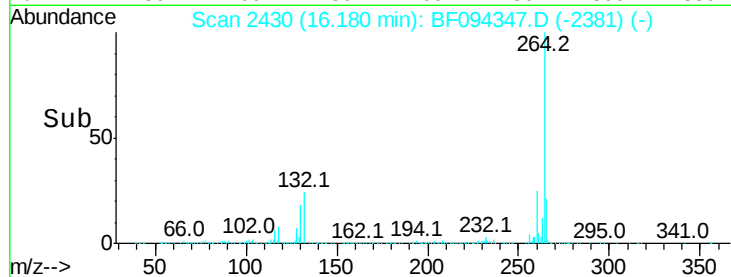
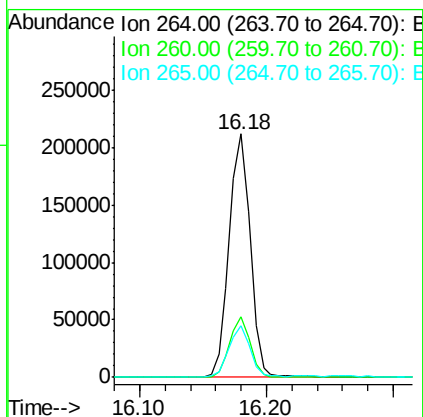
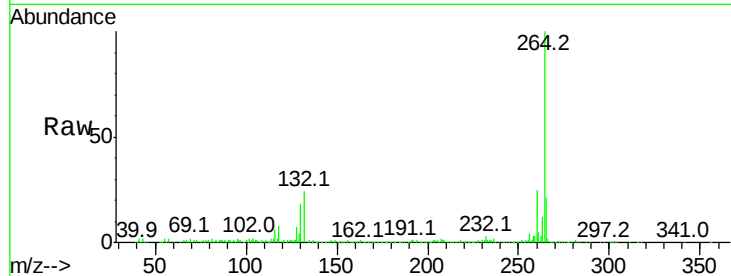


#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.18 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BF094347.D
Acq: 11 Apr 2017 9:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 245507

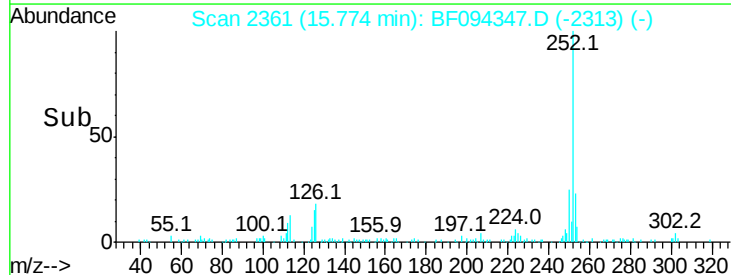
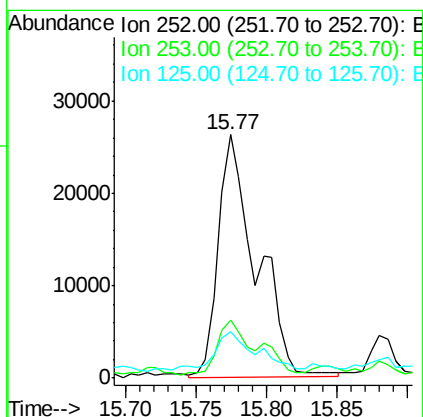
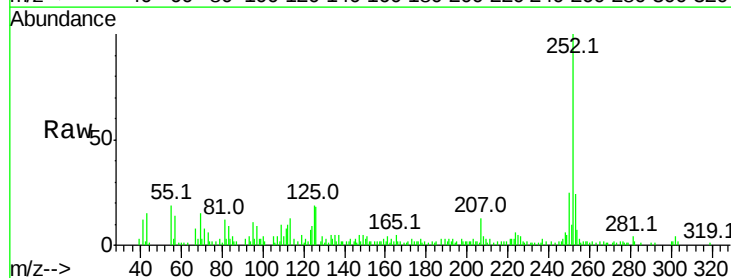
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	21.1	17.2	25.8

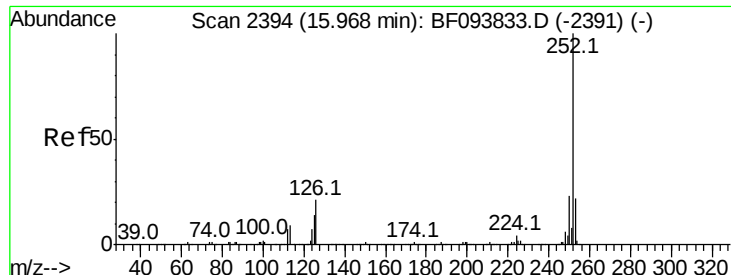


#87
Benzo(b)fluoranthene
Concen: 3.28 ng
RT: 15.77 min Scan# 2361
Delta R.T. -0.02 min
Lab File: BF094347.D
Acq: 11 Apr 2017 9:11

Tgt Ion:252 Resp: 49328

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	19.0	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 3.35 ng

RT: 15.77 min Scan# 2361

Delta R.T. -0.05 min

Lab File: BF094347.D

Acq: 11 Apr 2017 9:11

Instrument :

BNA_F

ClientSampleId :

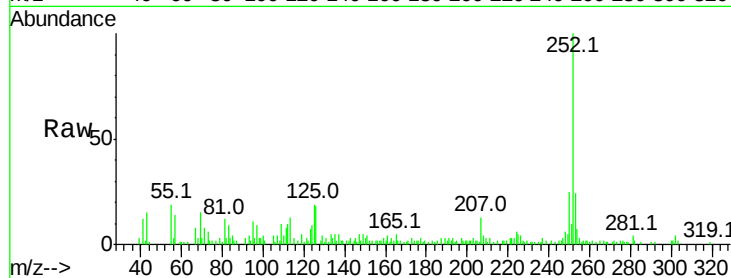
Tot Ion:252 Resp: 49328

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

125 19.0 13.1 19.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

