

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094029.D
 Acq On : 29 Mar 2017 20:12
 Operator : SJ/MA
 Sample : I2443-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB10-ESW

Quant Time: Mar 30 01:10:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

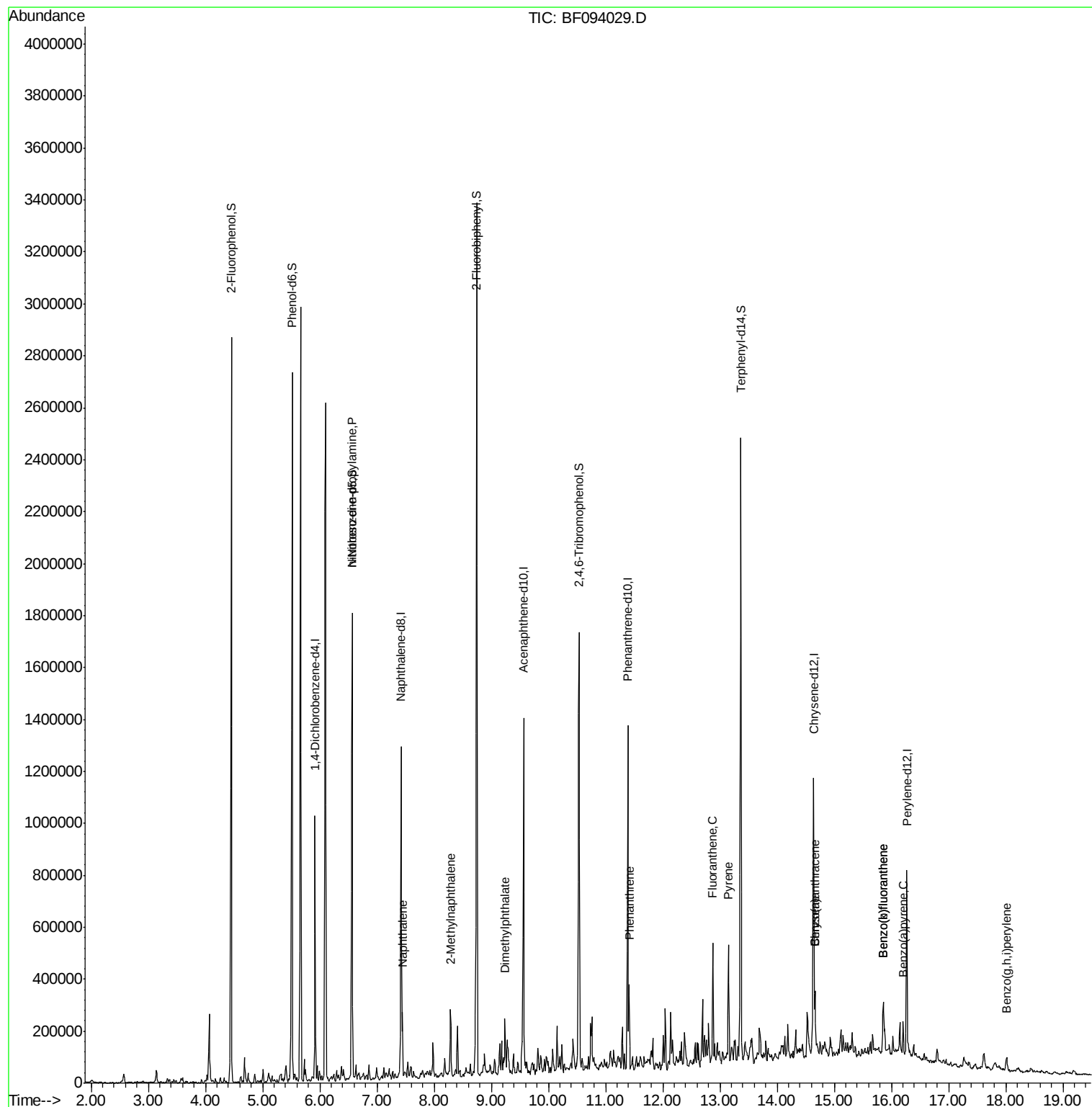
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	161269	20.00	ng	-0.04
21) Naphthalene-d8	7.42	136	654540	20.00	ng	-0.04
38) Acenaphthene-d10	9.56	164	298916	20.00	ng	-0.04
63) Phenanthrene-d10	11.39	188	520545	20.00	ng	-0.04
75) Chrysene-d12	14.64	240	395754	20.00	ng	-0.04
86) Perylene-d12	16.27	264	282812	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.45	112	851385	89.17	ng	-0.02
7) Phenol-d6	5.52	99	1115495	94.44	ng	-0.04
23) Nitrobenzene-d5	6.56	82	749270	65.33	ng	-0.04
41) 2,4,6-Tribromophenol	10.53	330	206435	87.40	ng	-0.04
44) 2-Fluorobiphenyl	8.75	172	1240878	63.32	ng	-0.04
78) Terphenyl-d14	13.36	244	905188	51.27	ng	-0.04
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.56	70	99250	13.07	ng	# 79
31) Naphthalene	7.45	128	102569	3.26	ng	99
37) 2-Methylnaphthalene	8.29	142	73723	3.51	ng	96
49) Dimethylphthalate	9.24	163	87862	4.14	ng	100
70) Phenanthrene	11.41	178	126362	4.36	ng	98
74) Fluoranthene	12.87	202	203853	6.88	ng	98
77) Pyrene	13.15	202	186013	6.48	ng	98
80) Benzo(a)anthracene	14.67	228	115999	5.03	ng	94
82) Chrysene	14.67	228	115999	5.42	ng	97
87) Benzo(b)fluoranthene	15.86	252	129773	7.49	ng	# 97
88) Benzo(k)fluoranthene	15.86	252	129773	7.65	ng	99
89) Benzo(a)pyrene	16.20	252	49832	3.12	ng	97
91) Benzo(a,h,i)perylene	18.02	276	35983	2.64	ng	96

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

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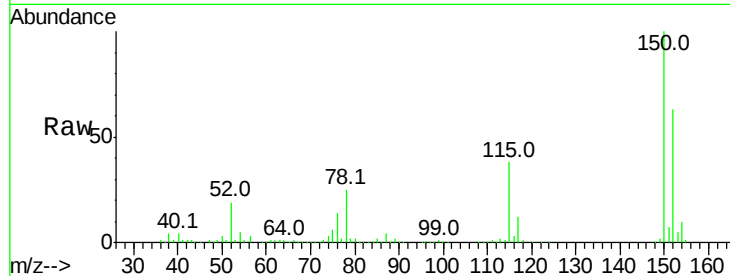


#1

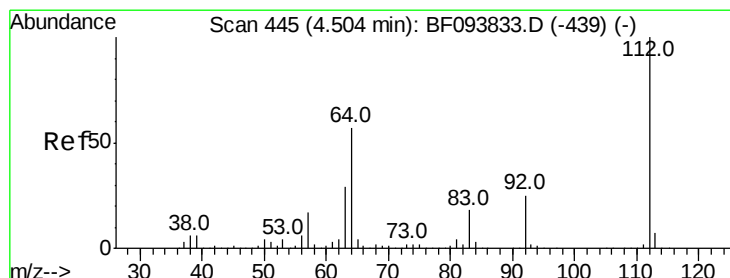
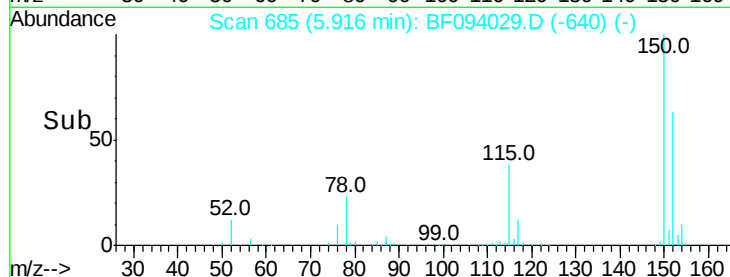
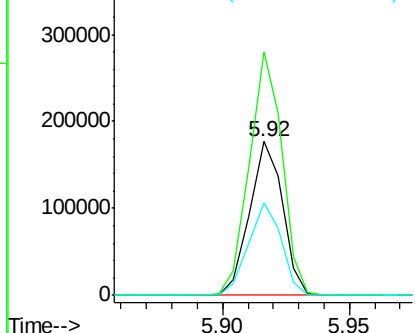
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.92 min Scan# 685
 Delta R.T. -0.04 min
 Lab File: BF094029.D
 Acq: 29 Mar 2017 20:12

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB10-ESW

Tot Ion:152 Resp: 161269
 Ion Ratio Lower Upper
 152 100
 150 158.6 126.2 189.2
 115 60.6 52.2 78.2



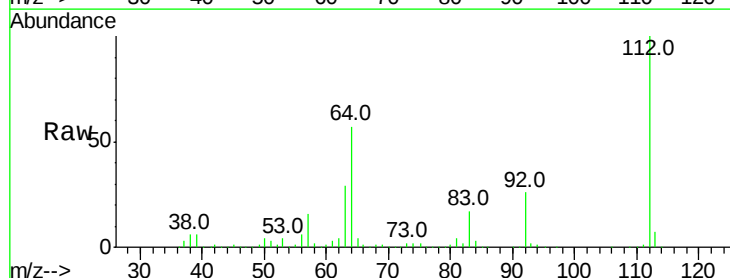
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



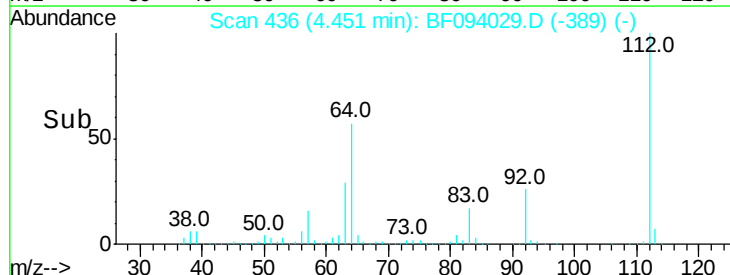
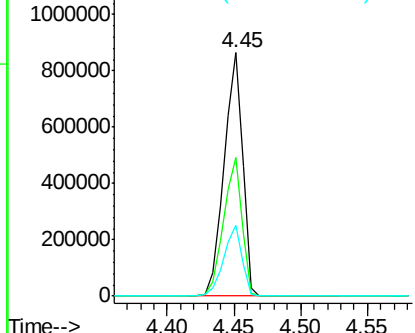
#5

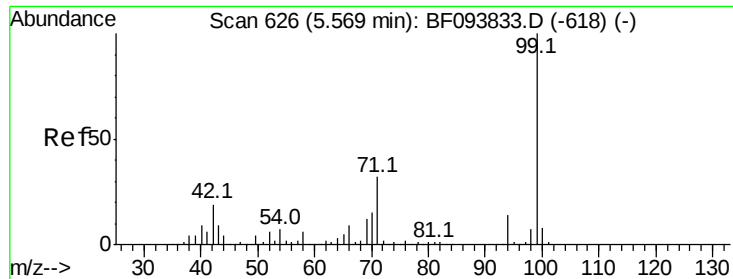
2-Fluorophenol
 Concen: 89.17 ng
 RT: 4.45 min Scan# 436
 Delta R.T. -0.02 min
 Lab File: BF094029.D
 Acq: 29 Mar 2017 20:12

Tgt Ion:112 Resp: 851385
 Ion Ratio Lower Upper
 112 100
 64 57.2 46.0 69.0
 63 29.2 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: 94.44 ng

RT: 5.52 min Scan# 617

Delta R.T. -0.04 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

Instrument :

BNA_F

ClientSampled :

E2-BB10-ESW

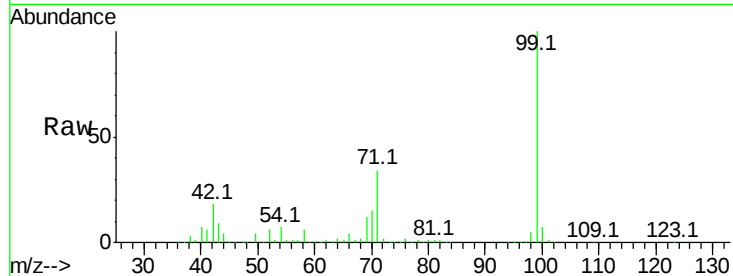
Tot Ion: 99 Resp: 1115495

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

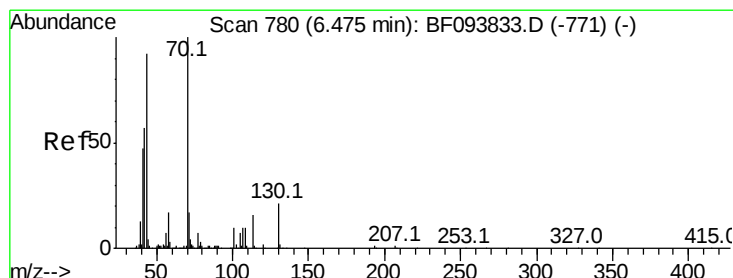
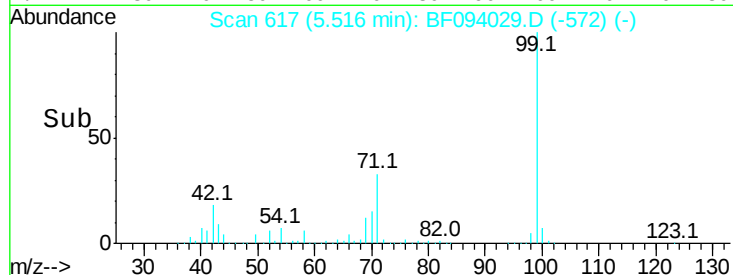
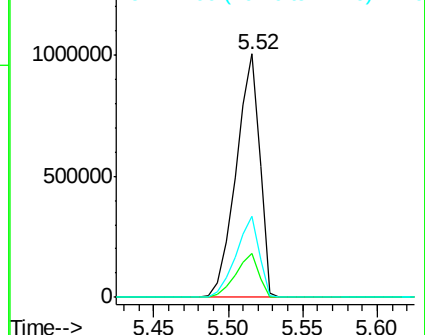
71 33.5 24.5 36.7



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: 13.07 ng

RT: 6.56 min Scan# 795

Delta R.T. 0.12 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

Tgt Ion: 70 Resp: 99250

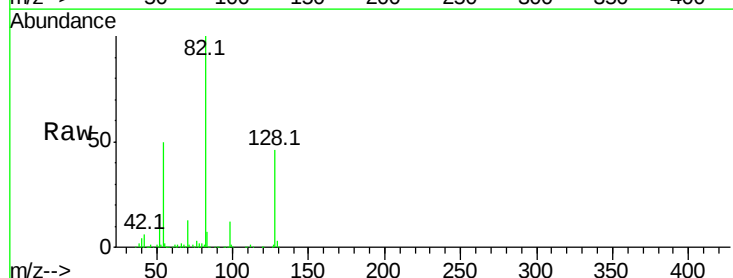
Ion Ratio Lower Upper

70 100

42 48.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

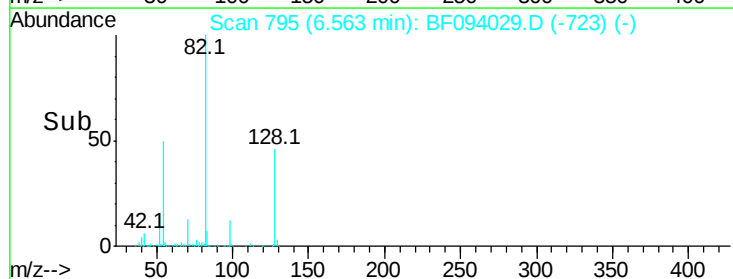
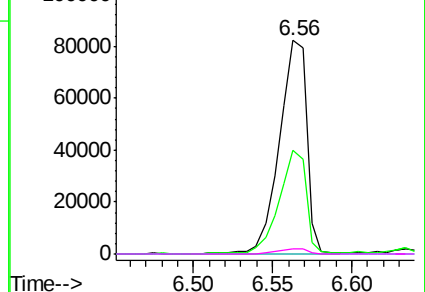


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.42 min Scan# 941

Delta R.T. -0.04 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

Instrument :

BNA_F

ClientSampleId :

E2-BB10-ESW

Tot Ion:136 Resp: 654540

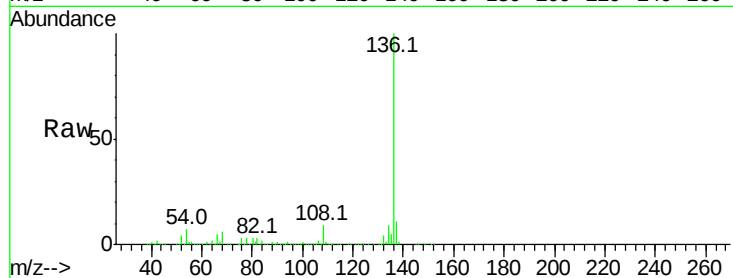
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 7.1 4.9 7.3

68 5.9 4.1 6.1

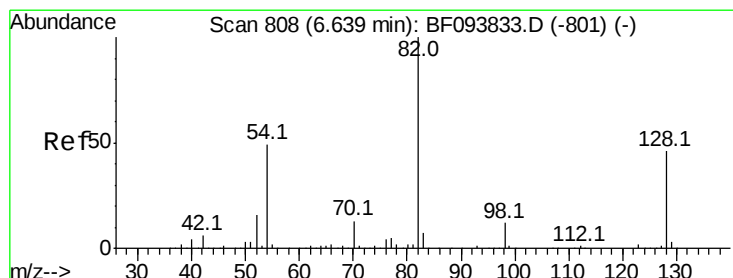
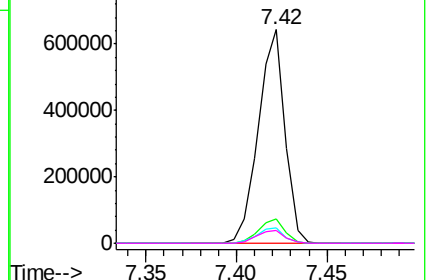
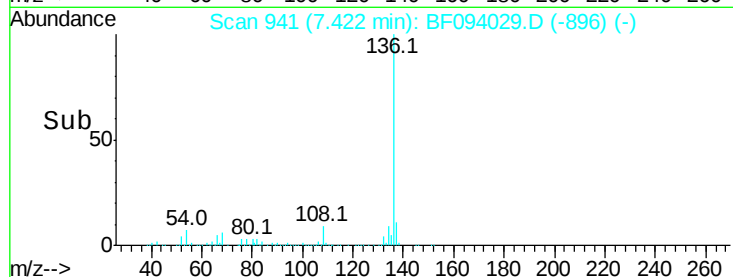


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.33 ng

RT: 6.56 min Scan# 795

Delta R.T. -0.04 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

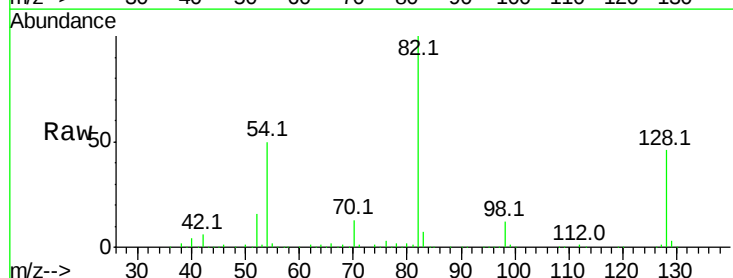
Tgt Ion: 82 Resp: 749270

Ion Ratio Lower Upper

82 100

128 45.5 34.0 51.0

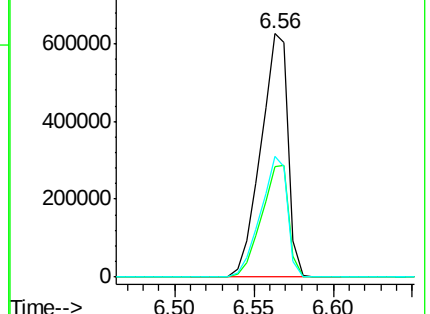
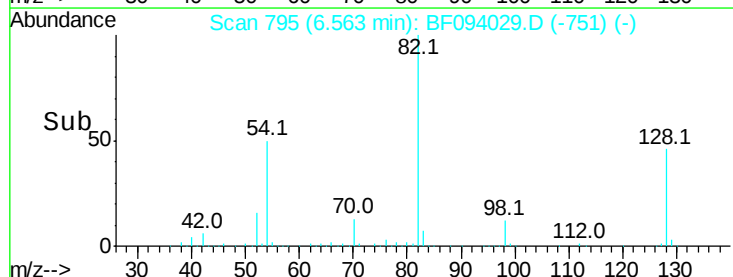
54 49.8 42.2 63.2

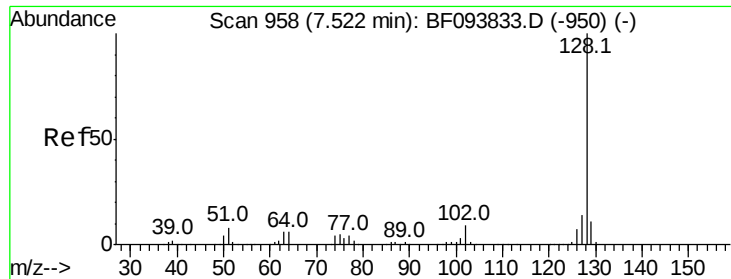


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

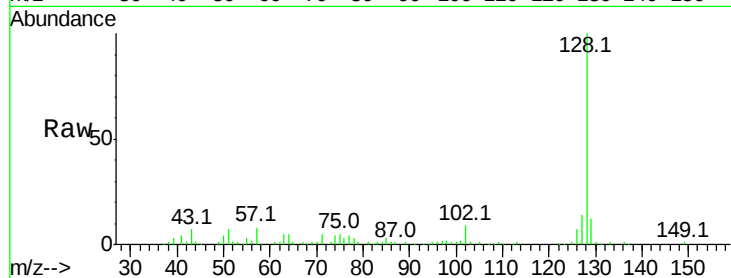




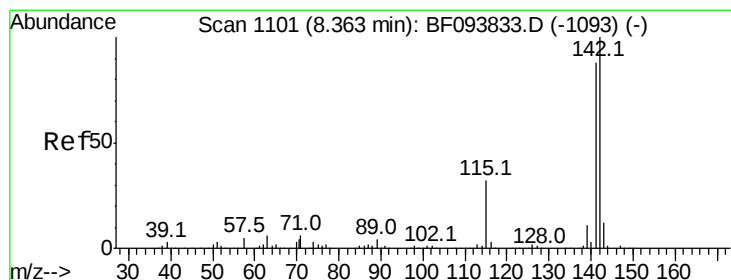
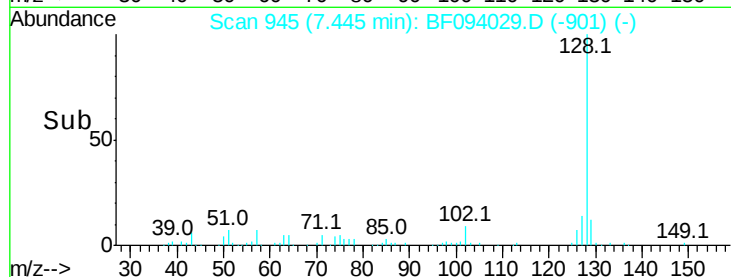
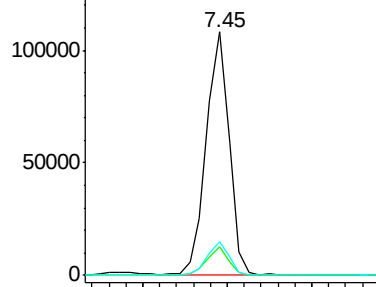
#31
Naphthalene
Concen: 3.26 ng
RT: 7.45 min Scan# 945
Delta R.T. -0.04 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Instrument :
BNA_F
ClientSampleId :
E2-BB10-ESW

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.0	13.6
127	13.7	10.8	16.2

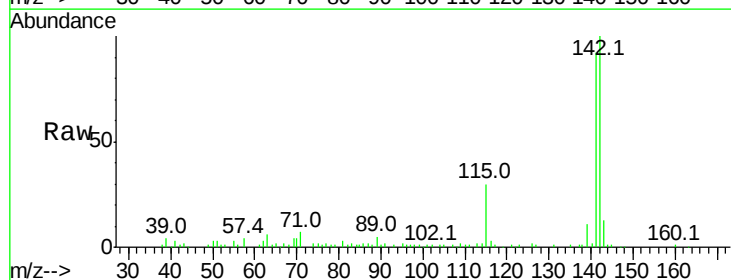


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

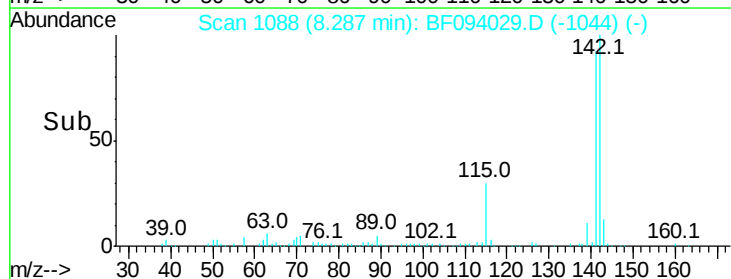
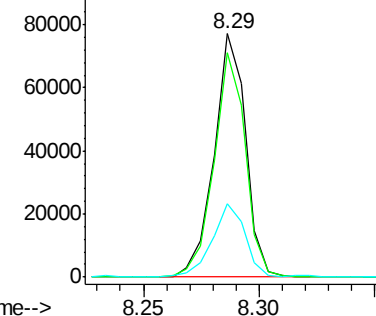


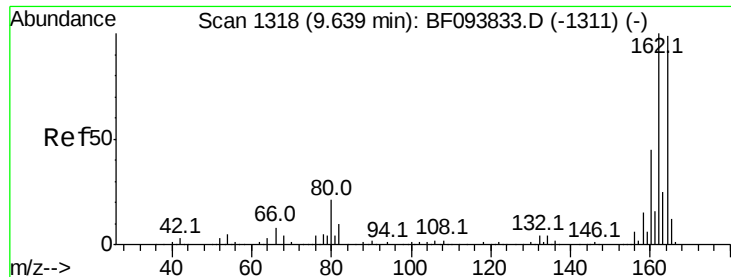
#37
2-Methylnaphthalene
Concen: 3.51 ng
RT: 8.29 min Scan# 1088
Delta R.T. -0.04 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.3	106.9
115	30.4	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

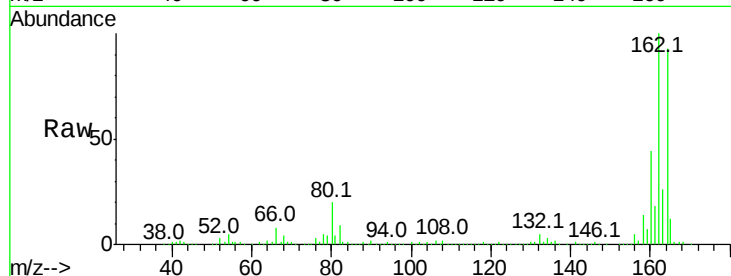




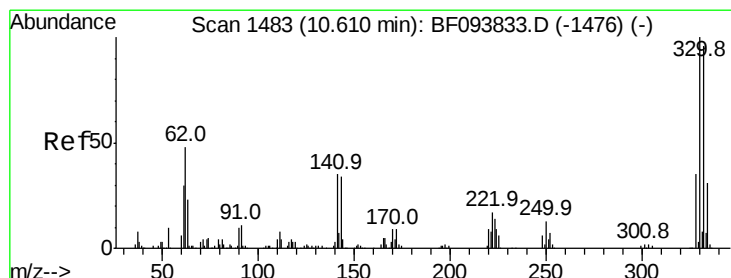
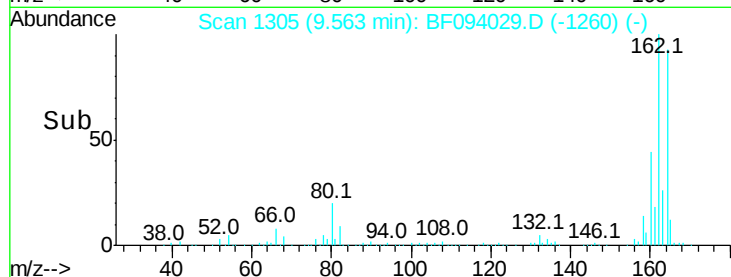
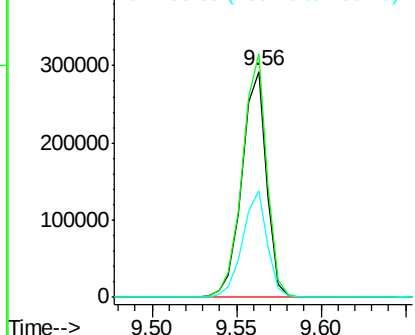
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 1305
 Delta R.T. -0.04 min
 Lab File: BF094029.D
 Acq: 29 Mar 2017 20:12

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB10-ESW

Tot Ion:164 Resp: 298916
 Ion Ratio Lower Upper
 164 100
 162 107.9 82.6 123.8
 160 47.4 36.2 54.2

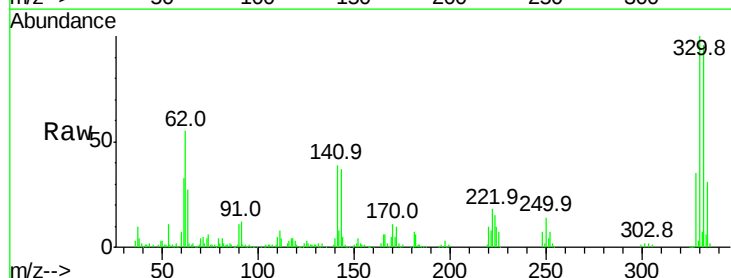


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

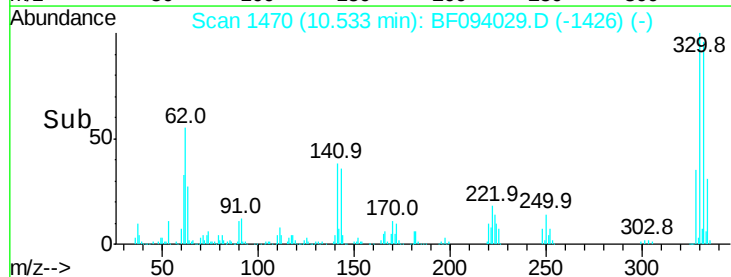
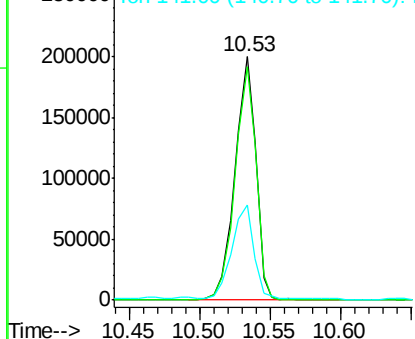


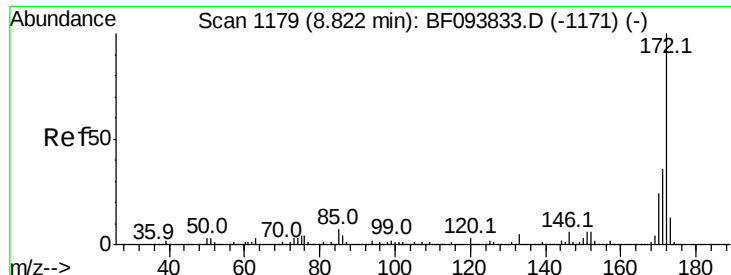
#41
 2,4,6-Tribromophenol
 Concen: 87.40 ng
 RT: 10.53 min Scan# 1470
 Delta R.T. -0.04 min
 Lab File: BF094029.D
 Acq: 29 Mar 2017 20:12

Tgt Ion:330 Resp: 206435
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 40.5 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

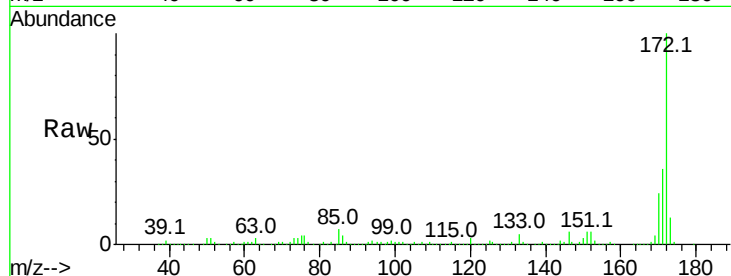




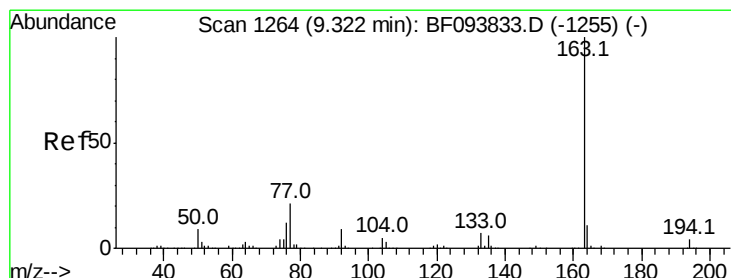
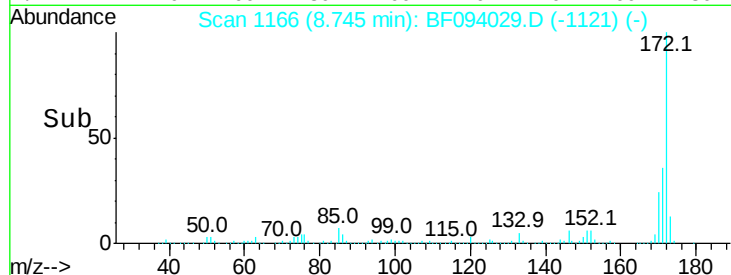
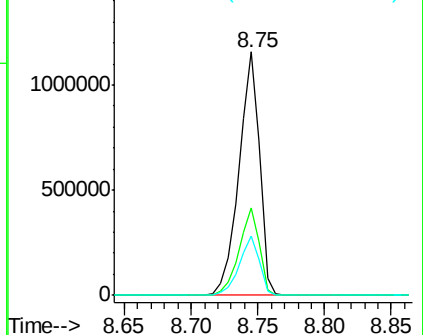
#44
2-Fluorobiphenyl
Concen: 63.32 ng
RT: 8.75 min Scan# 1166
Delta R.T. -0.04 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Instrument :
BNA_F
ClientSampleId :
E2-BB10-ESW

Tot Ion:172 Resp: 1240878
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.3 19.8 29.8

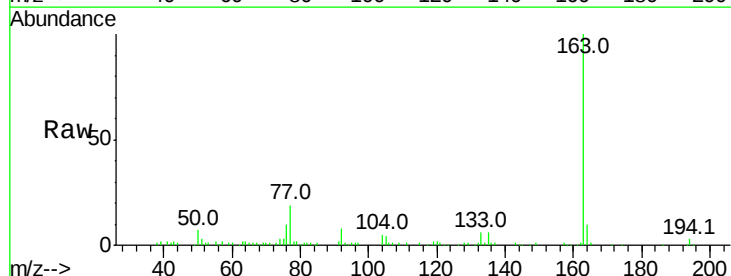


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

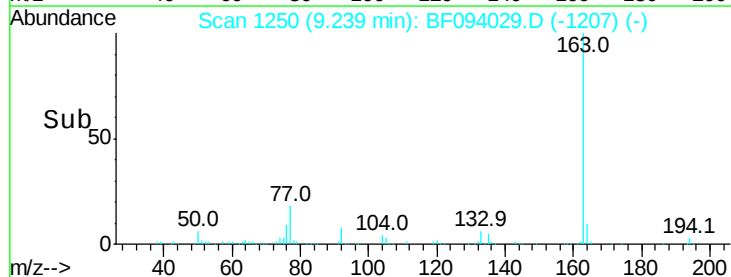
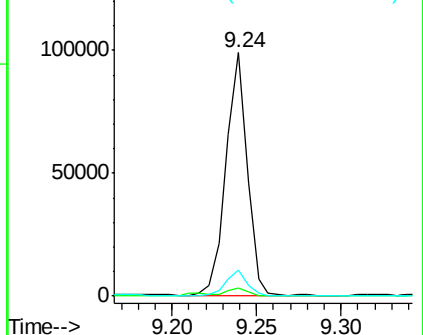


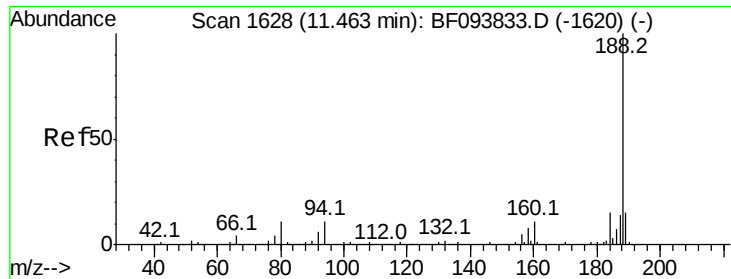
#49
Dimethylphthalate
Concen: 4.14 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.05 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Tgt Ion:163 Resp: 87862
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.5 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

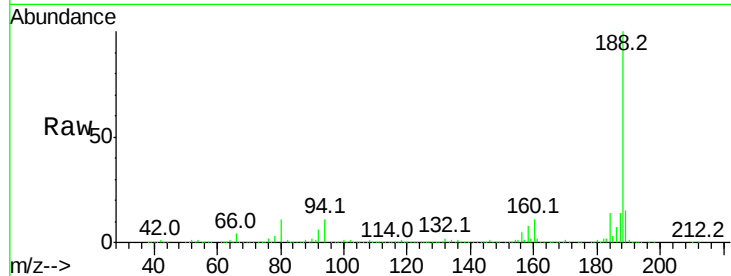




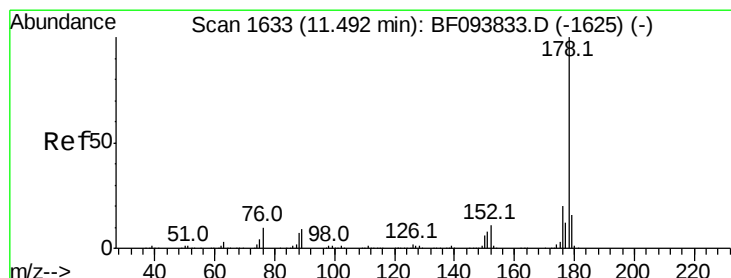
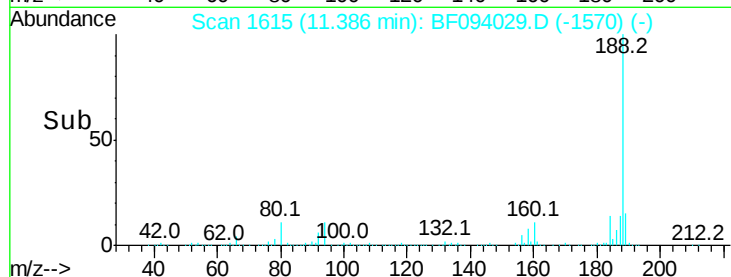
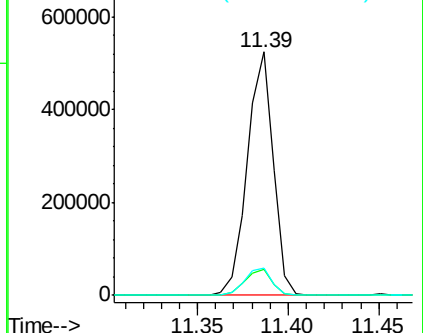
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.04 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Instrument :
BNA_F
ClientSampleId :
E2-BB10-ESW

Tot Ion:188 Resp: 520545
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 11.2 10.2 15.2

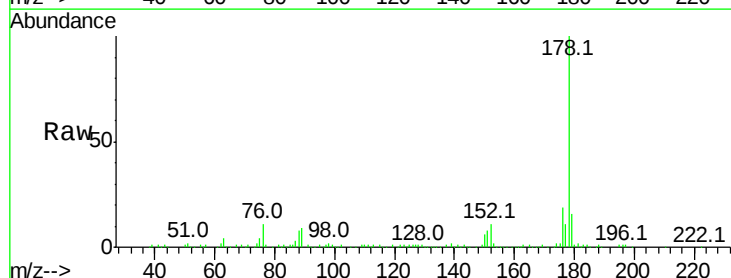


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

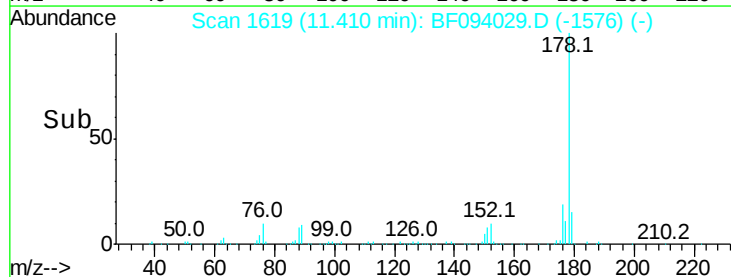
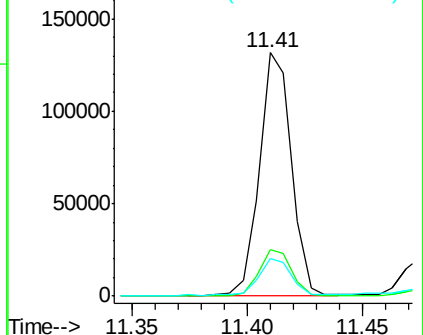


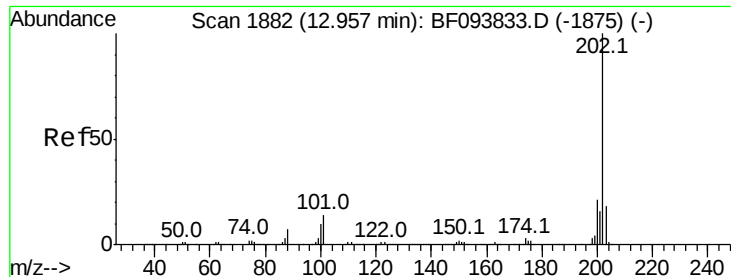
#70
Phenanthrene
Concen: 4.36 ng
RT: 11.41 min Scan# 1619
Delta R.T. -0.05 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Tgt Ion:178 Resp: 126362
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.6 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





#74

Fluoranthene

Concen: 6.88 ng

RT: 12.87 min Scan# 1868

Delta R.T. -0.05 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

Instrument :

BNA_F

ClientSampleId :

E2-BB10-ESW

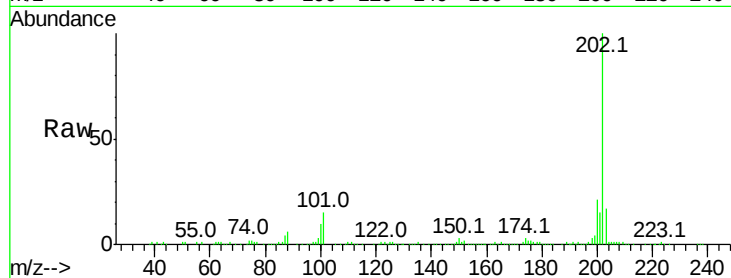
Tot Ion:202 Resp: 203853

Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.2

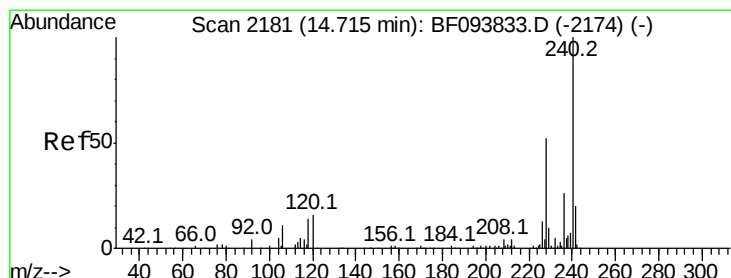
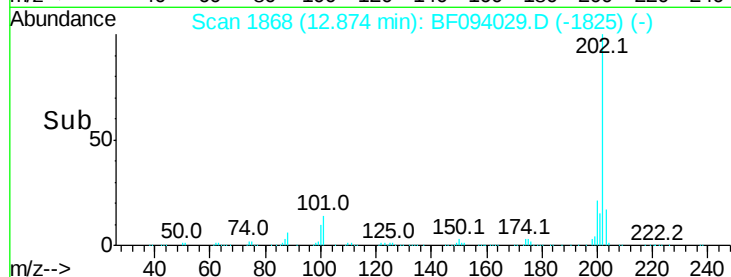
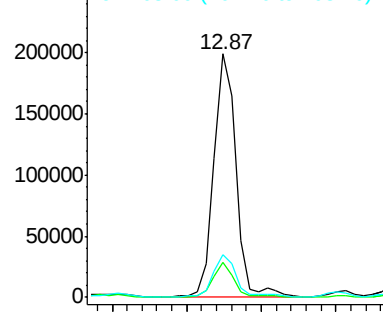
203 17.4 0.0 38.1



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: 14.64 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

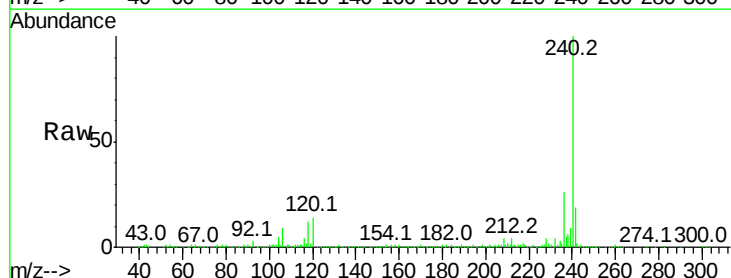
Tgt Ion:240 Resp: 395754

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

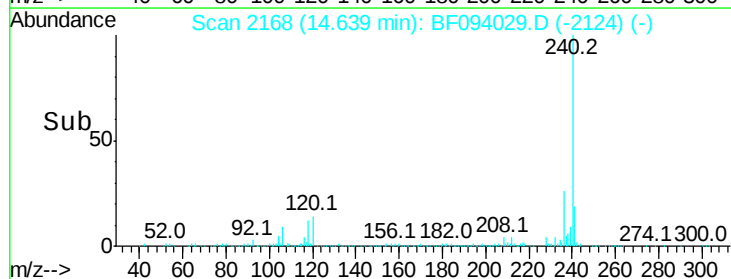
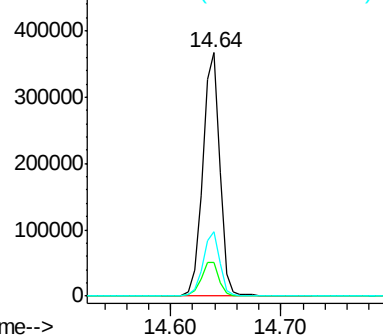
236 26.3 20.5 30.7

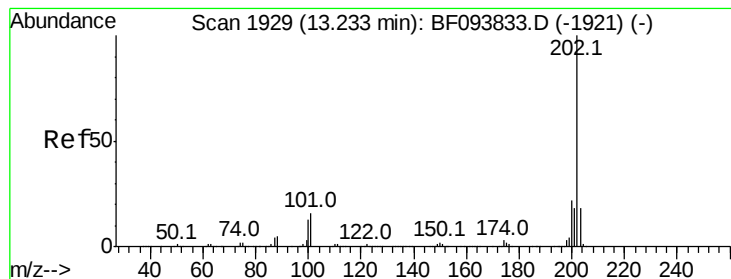


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.48 ng

RT: 13.15 min Scan# 1915

Delta R.T. -0.05 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

Instrument :

BNA_F

ClientSampleId :

E2-BB10-ESW

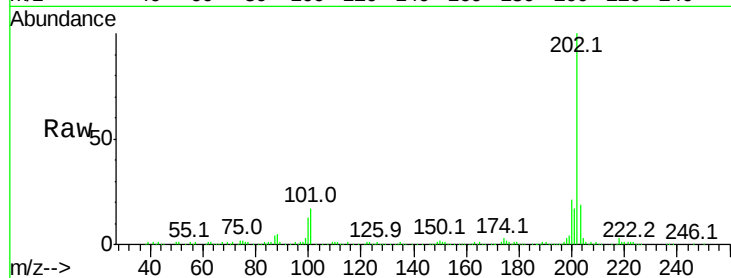
Tot Ion:202 Resp: 186013

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

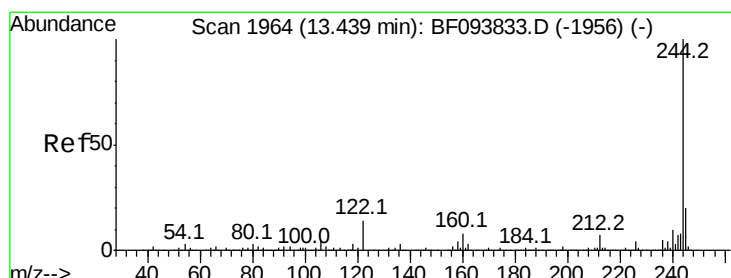
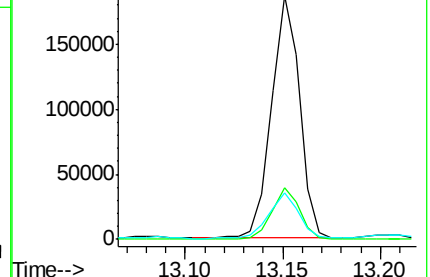
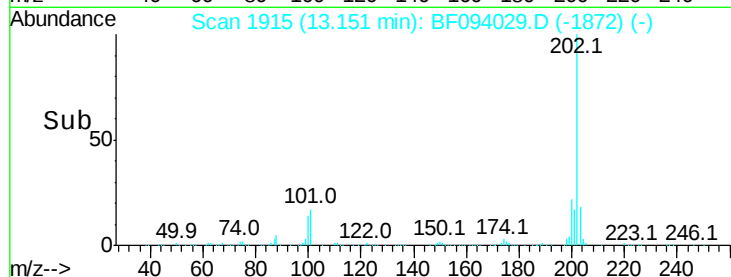
203 18.9 14.4 21.6



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: 51.27 ng

RT: 13.36 min Scan# 1951

Delta R.T. -0.04 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

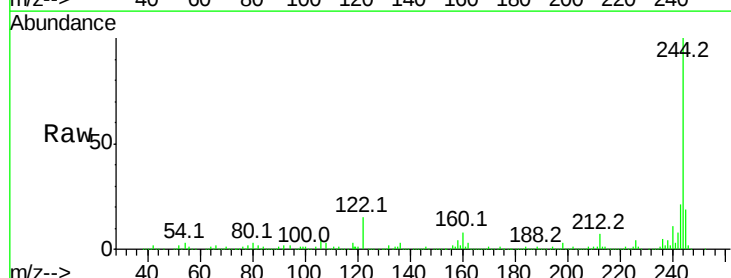
Tgt Ion:244 Resp: 905188

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

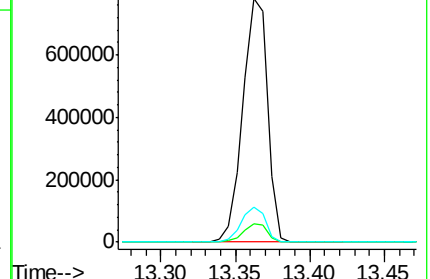
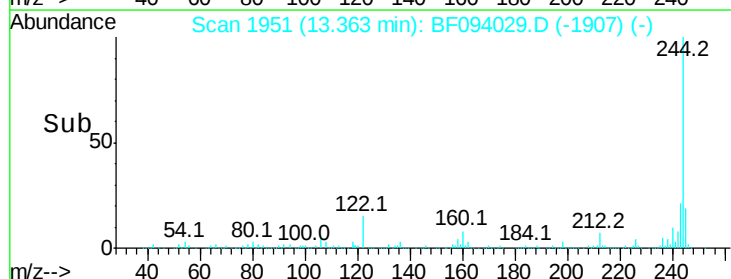
122 14.5 10.3 15.5

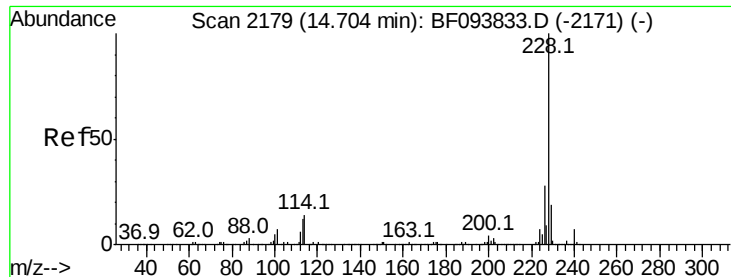


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

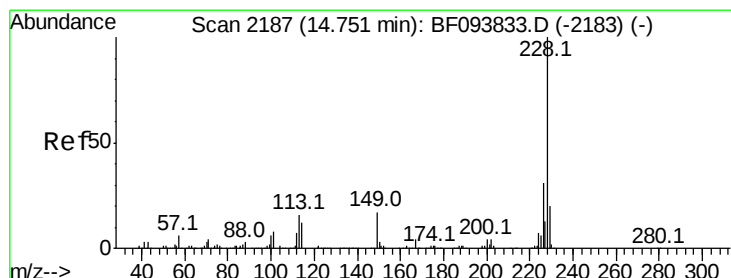
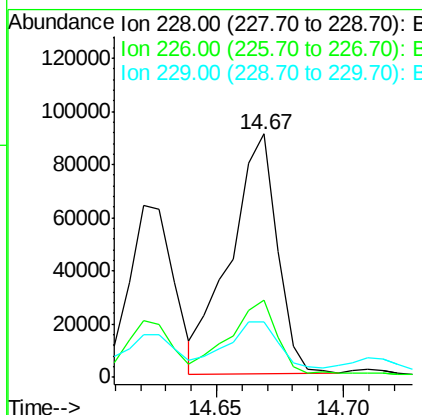
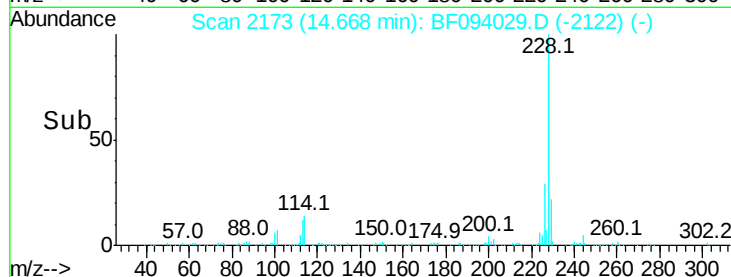
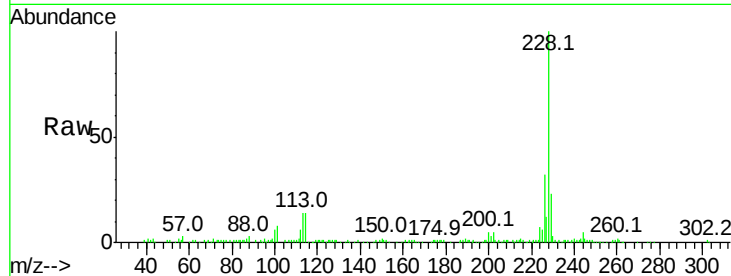




#80
Benzo(a)anthracene
Concen: 5.03 ng
RT: 14.67 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

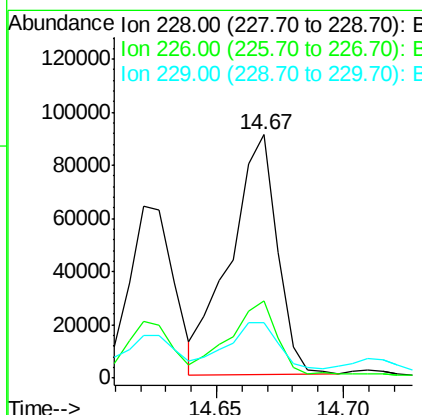
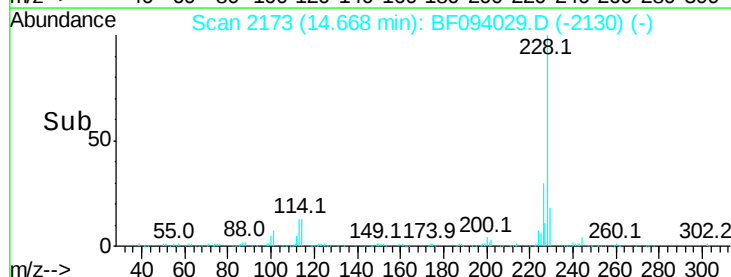
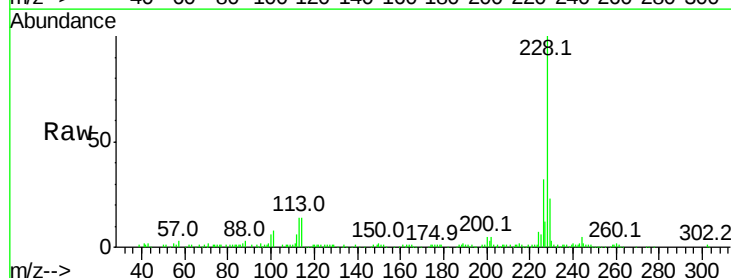
Instrument :
BNA_F
ClientSampleId :
E2-BB10-ESW

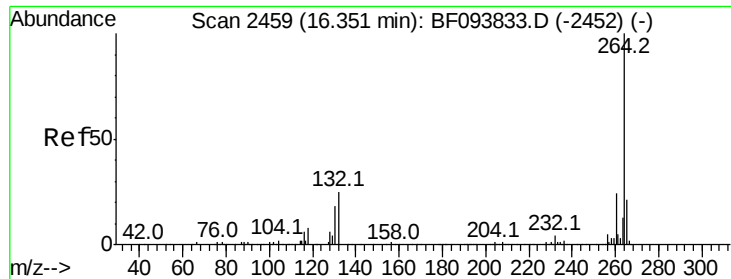
Tot Ion:228 Resp: 115999
Ion Ratio Lower Upper
228 100
226 31.8 22.6 33.8
229 22.5 16.3 24.5



#82
Chrysene
Concen: 5.42 ng
RT: 14.67 min Scan# 2173
Delta R.T. -0.05 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Tgt Ion:228 Resp: 115999
Ion Ratio Lower Upper
228 100
226 31.8 24.9 37.3
229 22.5 15.8 23.6

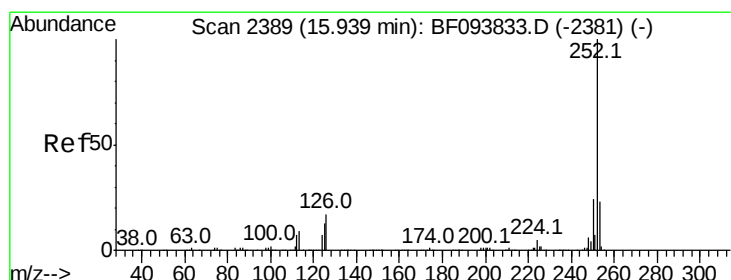
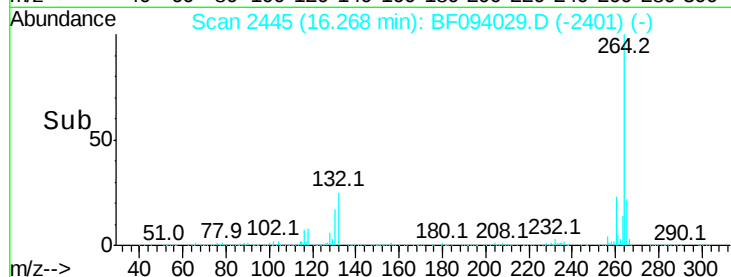
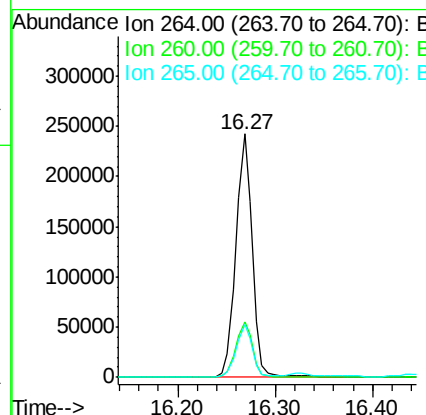
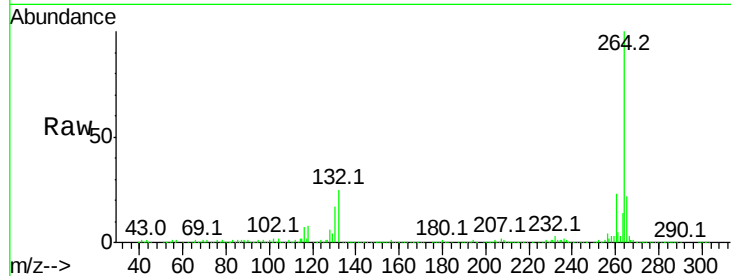




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.27 min Scan# 2445
Delta R.T. -0.04 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

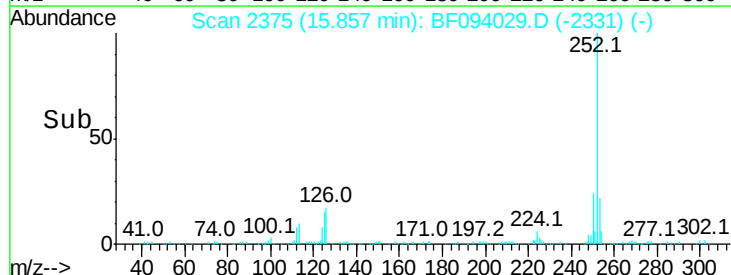
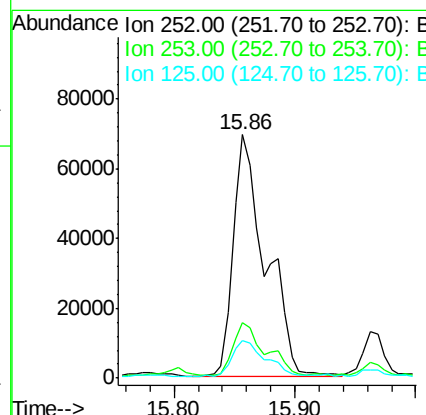
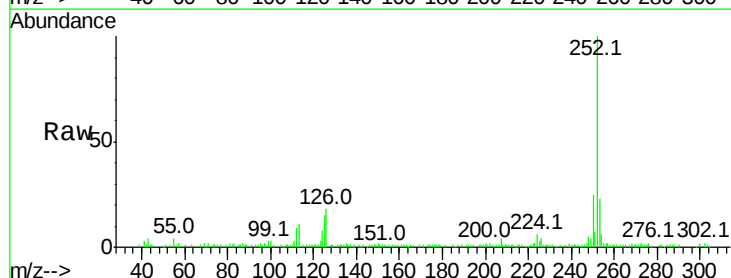
Instrument :
BNA_F
ClientSampleId :
E2-BB10-ESW

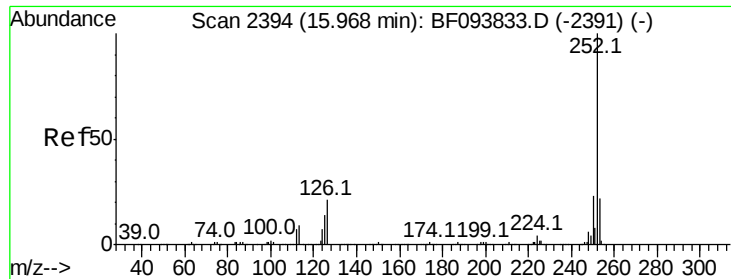
Tot Ion:264 Resp: 282812
Ion Ratio Lower Upper
264 100
260 23.0 19.5 29.3
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 7.49 ng
RT: 15.86 min Scan# 2375
Delta R.T. -0.04 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Tgt Ion:252 Resp: 129773
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 15.5 9.8 14.8#

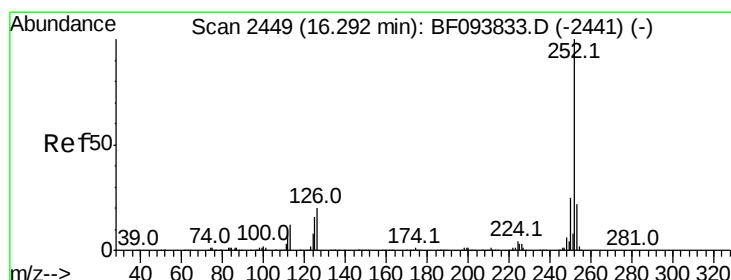
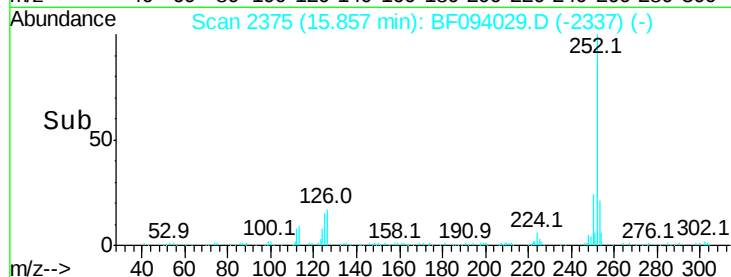
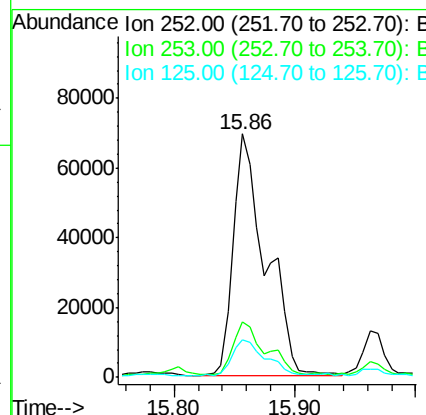
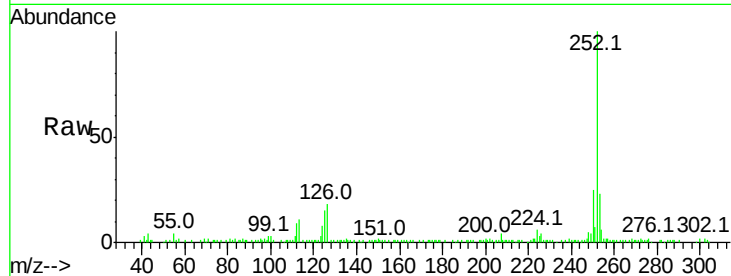




#88
Benzo(k)fluoranthene
Concen: 7.65 ng
RT: 15.86 min Scan# 2375
Delta R.T. -0.08 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

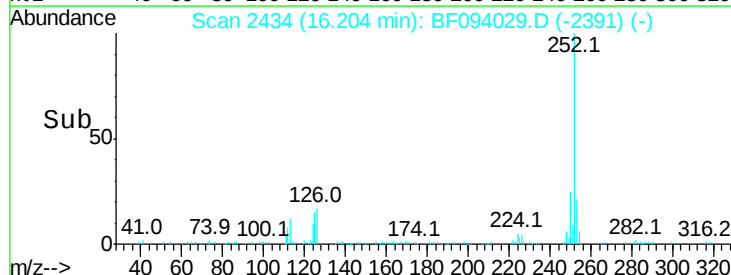
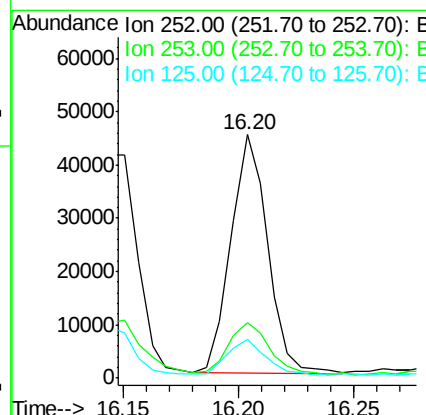
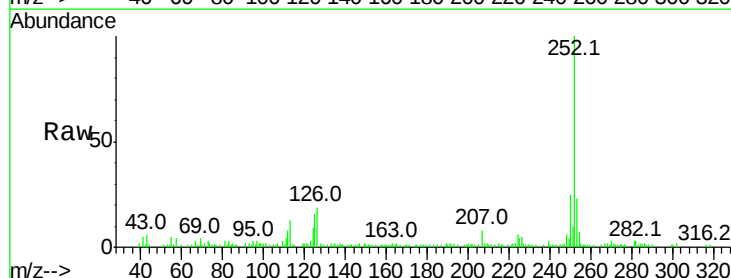
Instrument :
BNA_F
ClientSampleId :
E2-BB10-ESW

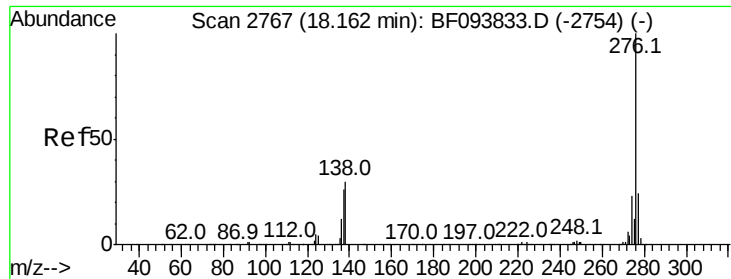
Tot Ion:252 Resp: 129773
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 15.5 13.1 19.7



#89
Benzo(a)pyrene
Concen: 3.12 ng
RT: 16.20 min Scan# 2434
Delta R.T. -0.05 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Tgt Ion:252 Resp: 49832
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 16.0 11.0 16.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.64 ng
 RT: 18.02 min Scan# 2742
 Delta R.T. -0.08 min
 Lab File: BF094029.D
 Acq: 29 Mar 2017 20:12

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB10-ESW

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.6	28.0
138	33.4	25.4	38.0

