

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\
 Data File : BF091180.D
 Acq On : 15 Nov 2016 15:54
 Operator : UM/SJ
 Sample : H5636-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C19033041

Quant Time: Nov 16 06:23:40 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

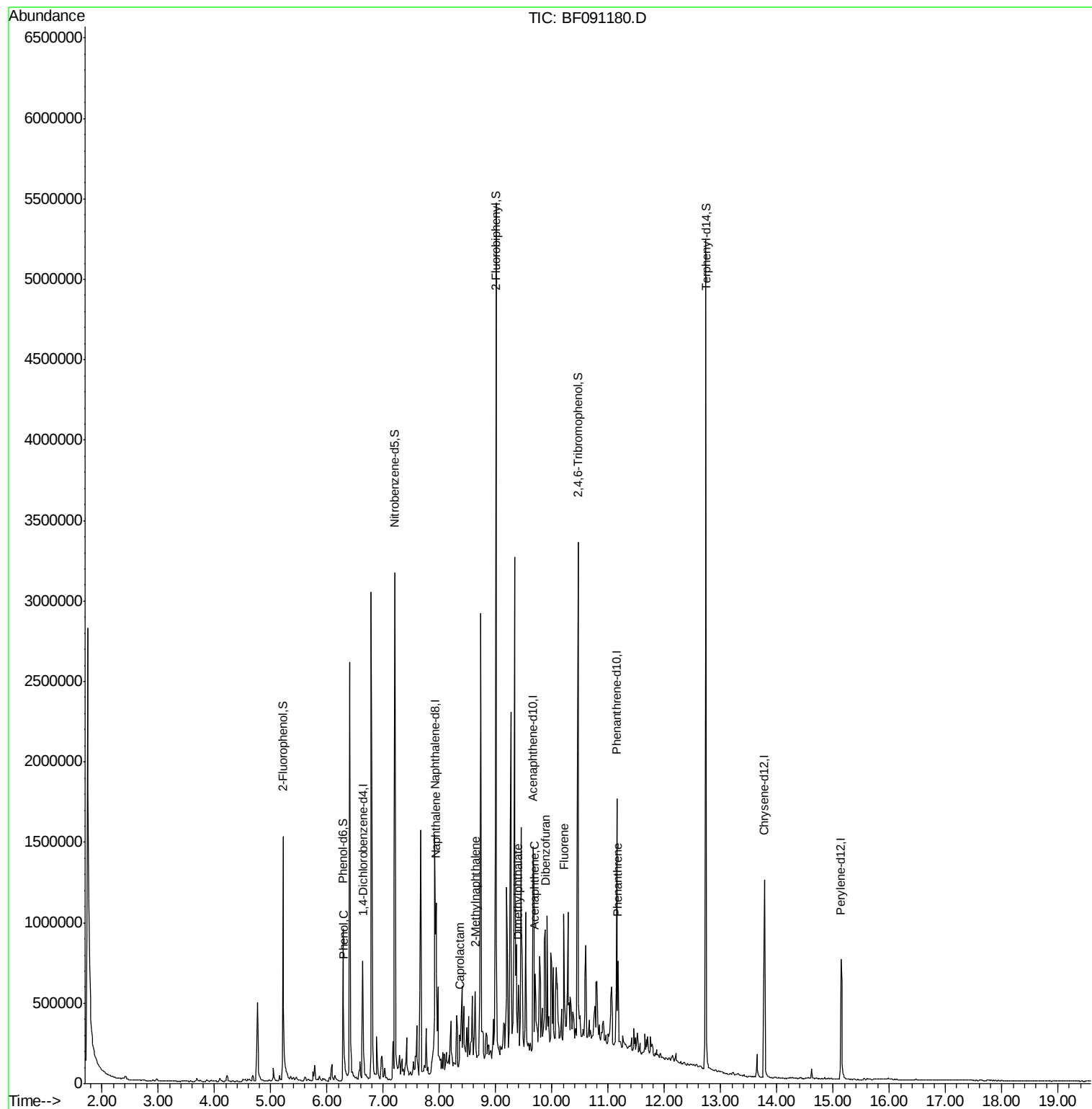
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	139855	20.00	ng	-0.02
21) Naphthalene-d8	7.92	136	619484	20.00	ng	-0.03
38) Acenaphthene-d10	9.66	164	340066	20.00	ng	-0.03
63) Phenanthrene-d10	11.15	188	571972	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	502177	20.00	ng	-0.03
86) Perylene-d12	15.14	264	389449	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	537936	63.53	ng	-0.02
7) Phenol-d6	6.28	99	451285	39.26	ng	-0.03
23) Nitrobenzene-d5	7.21	82	1136578	100.09	ng	-0.03
41) 2,4,6-Tribromophenol	10.46	330	484727	157.66	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	1753613	88.78	ng	-0.03
78) Terphenyl-d14	12.74	244	1903856	94.61	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.29	94	33307	2.62	ng	93
31) Naphthalene	7.94	128	491649	16.60	ng	97
35) Caprolactam	8.36	113	19851	8.25	ng	# 69
37) 2-Methylnaphthalene	8.64	142	128238	6.73	ng	99
49) Dimethylphthalate	9.40	163	123506	5.54	ng	100
51) Acenaphthene	9.70	154	83136	4.51	ng	99
54) Dibenzofuran	9.88	168	129843	5.23	ng	# 87
57) Fluorene	10.21	166	156308	7.70	ng	# 97
70) Phenanthrene	11.17	178	199927	6.58	ng	98

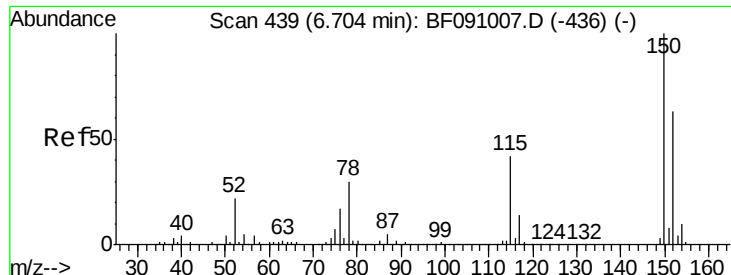
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\
Data File : BF091180.D
Acq On : 15 Nov 2016 15:54
Operator : UM/SJ
Sample : H5636-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C19033041

Quant Time: Nov 16 06:23:40 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 12:59:29 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 433

Delta R.T. -0.02 min

Lab File: BF091180.D

Acq: 15 Nov 2016 15:54

Instrument :

BNA_F

ClientSampleId :

C19033041

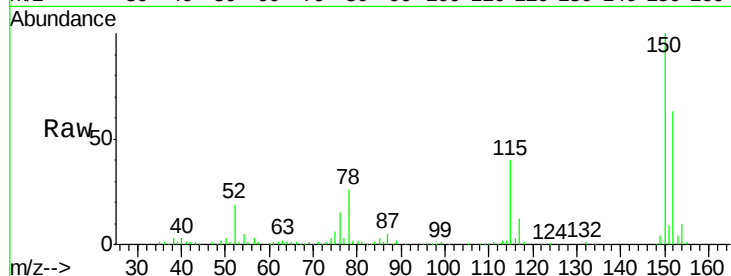
Tot Ion:152 Resp: 139855

Ion Ratio Lower Upper

152 100

150 157.9 126.8 190.2

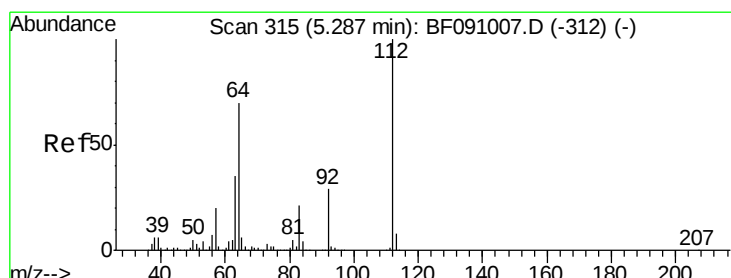
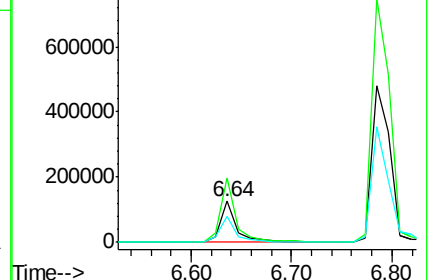
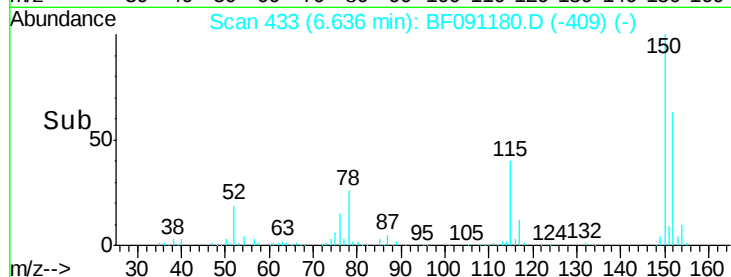
115 62.5 53.3 79.9



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: 63.53 ng

RT: 5.22 min Scan# 309

Delta R.T. -0.02 min

Lab File: BF091180.D

Acq: 15 Nov 2016 15:54

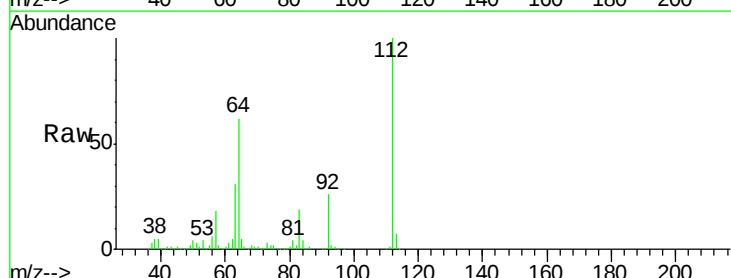
Tgt Ion:112 Resp: 537936

Ion Ratio Lower Upper

112 100

64 61.9 55.8 83.6

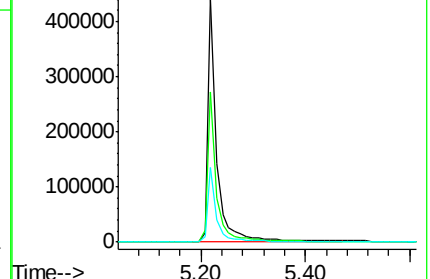
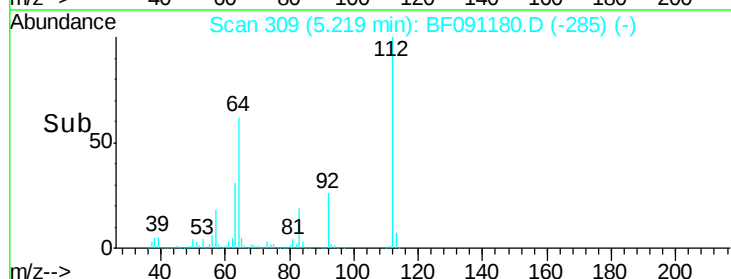
63 30.7 28.0 42.0



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: 39.26 ng

RT: 6.28 min Scan# 402

Delta R.T. -0.03 min

Lab File: BF091180.D

Acq: 15 Nov 2016 15:54

Instrument :

BNA_F

ClientSampleId :

C19033041

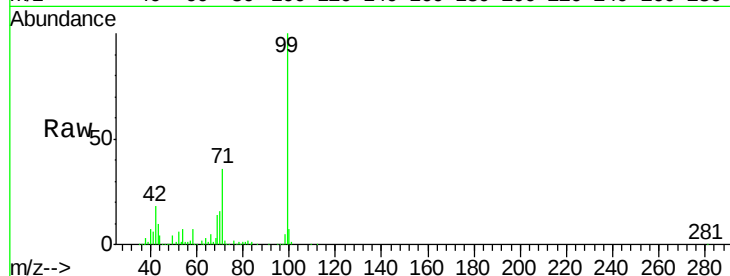
Tot Ion: 99 Resp: 451285

Ion Ratio Lower Upper

99 100

42 18.2 13.9 20.9

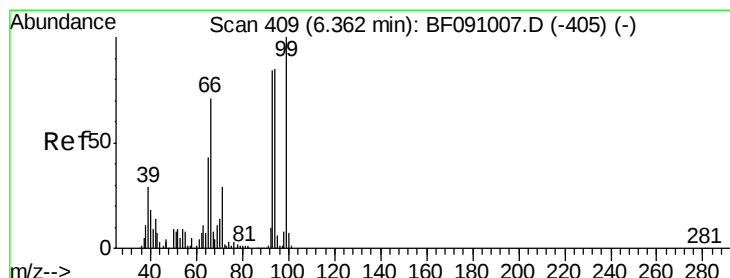
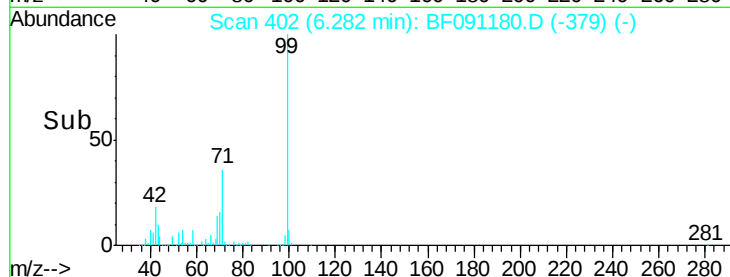
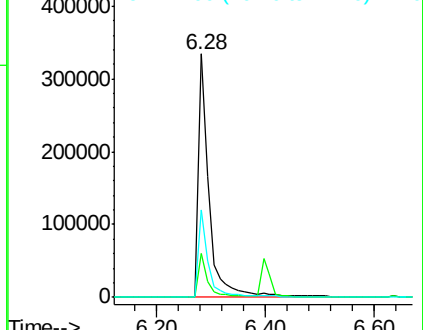
71 36.1 27.8 41.8



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: 2.62 ng

RT: 6.29 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF091180.D

Acq: 15 Nov 2016 15:54

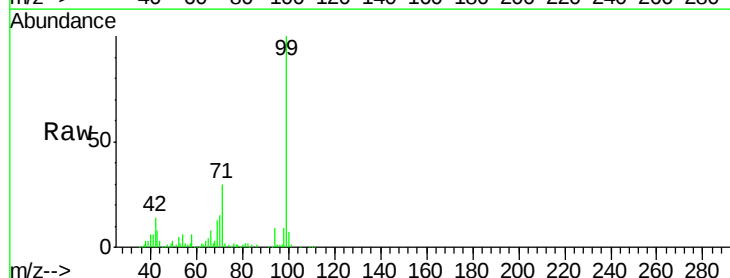
Tgt Ion: 94 Resp: 33307

Ion Ratio Lower Upper

94 100

65 44.6 30.4 70.4

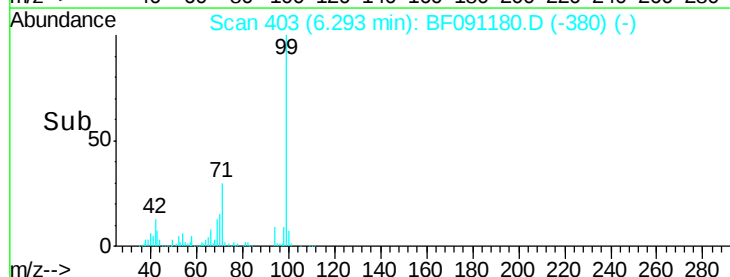
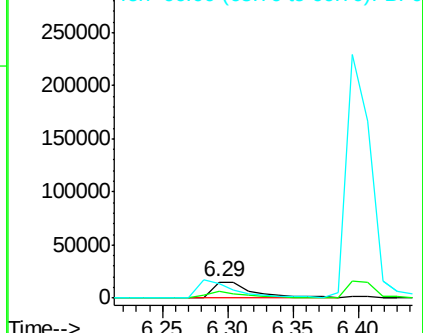
66 87.9 62.9 102.9

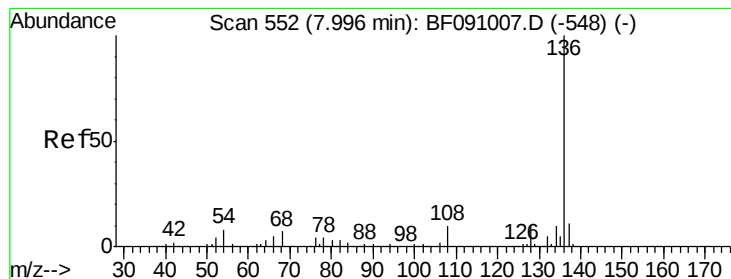


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 545

Delta R.T. -0.03 min

Lab File: BF091180.D

Acq: 15 Nov 2016 15:54

Instrument :

BNA_F

ClientSampleId :

C19033041

Tot Ion:136 Resp: 619484

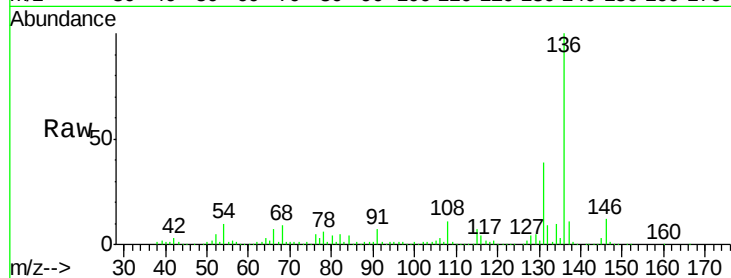
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 10.5 6.2 9.2#

68 8.8 5.5 8.3#

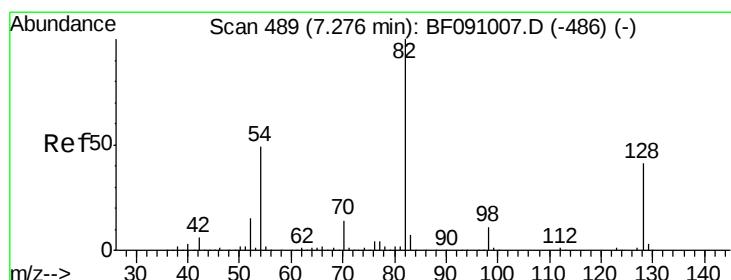
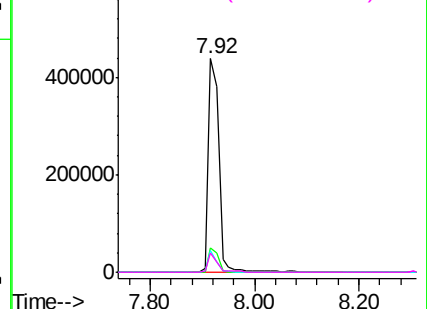
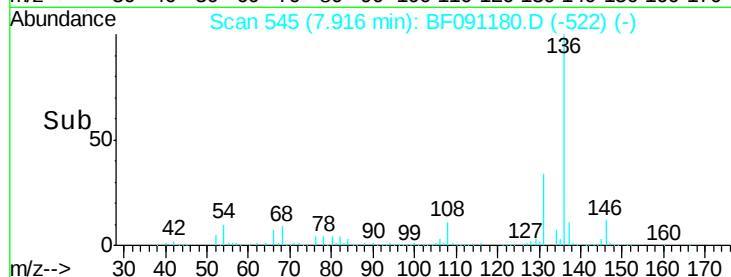


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.09 ng

RT: 7.21 min Scan# 483

Delta R.T. -0.03 min

Lab File: BF091180.D

Acq: 15 Nov 2016 15:54

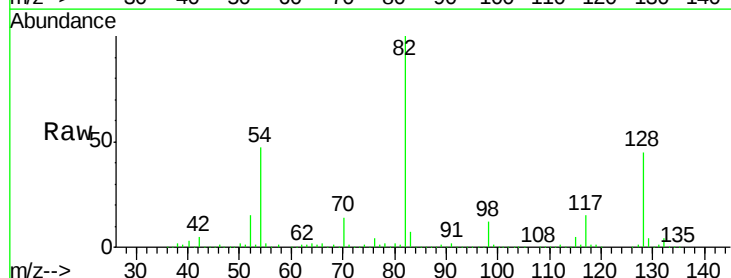
Tgt Ion: 82 Resp: 1136578

Ion Ratio Lower Upper

82 100

128 44.8 32.4 48.6

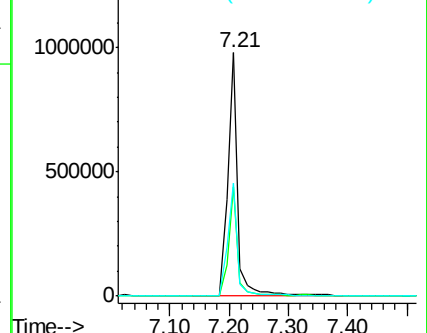
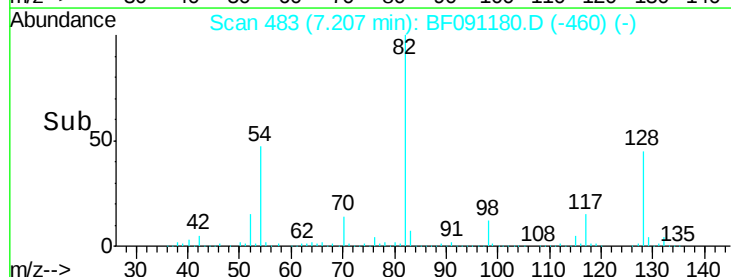
54 46.6 39.2 58.8

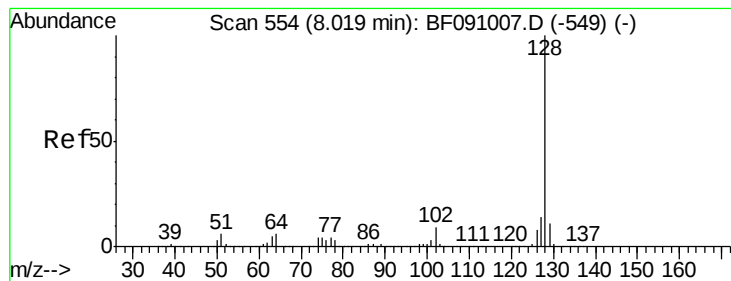


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 16.60 ng

RT: 7.94 min Scan# 547

Delta R.T. -0.03 min

Lab File: BF091180.D

Acq: 15 Nov 2016 15:54

Instrument :

BNA_F

ClientSampleId :

C19033041

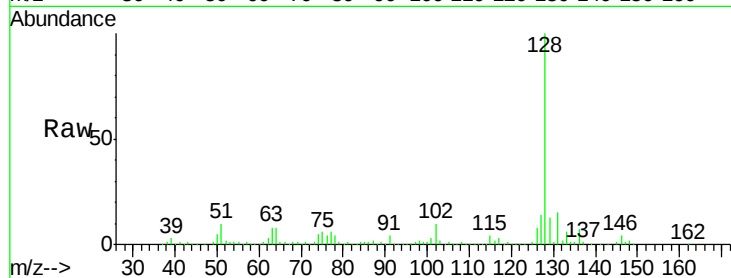
Tot Ion:128 Resp: 491649

Ion Ratio Lower Upper

128 100

129 13.1 9.0 13.6

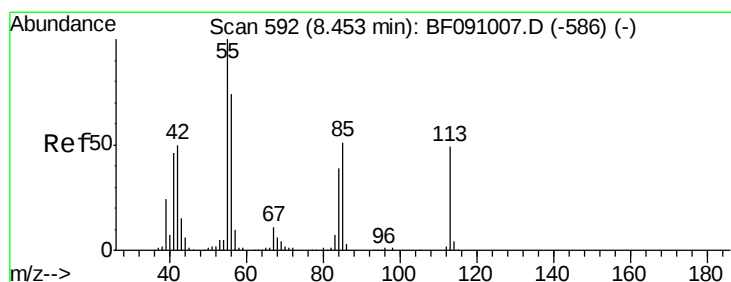
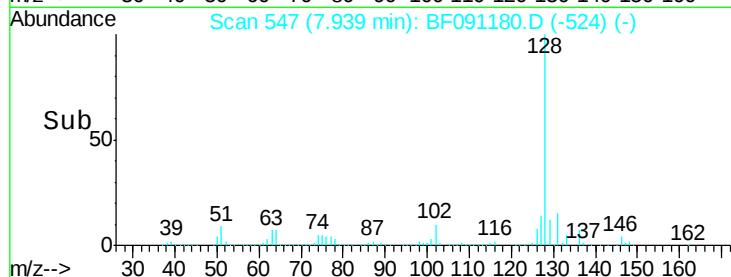
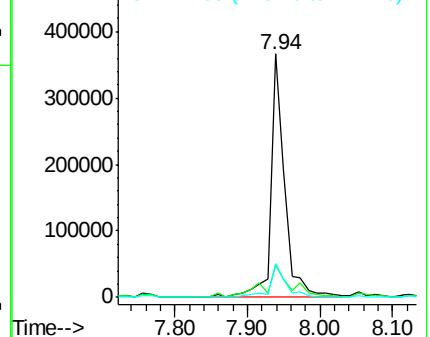
127 14.0 10.9 16.3



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



#35

Caprolactam

Concen: 8.25 ng

RT: 8.36 min Scan# 584

Delta R.T. -0.06 min

Lab File: BF091180.D

Acq: 15 Nov 2016 15:54

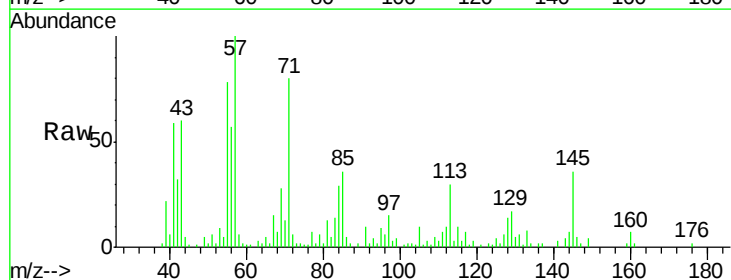
Tgt Ion:113 Resp: 19851

Ion Ratio Lower Upper

113 100

55 255.9 184.1 224.1#

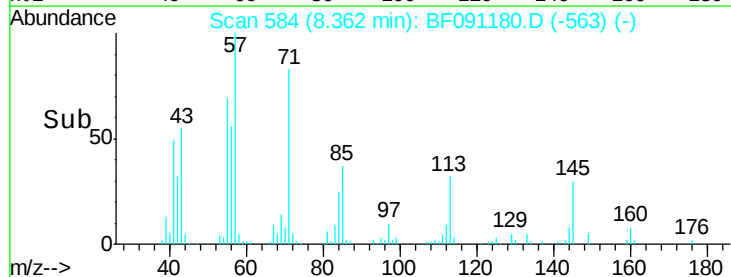
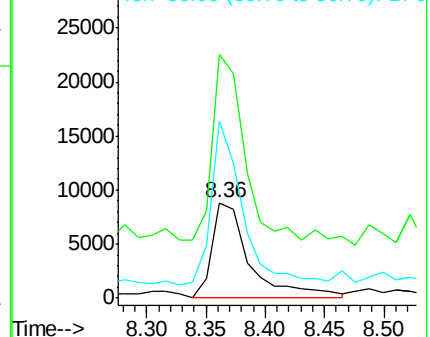
56 186.4 132.0 172.0#

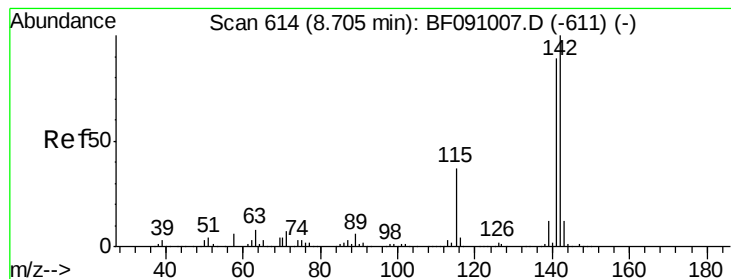


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

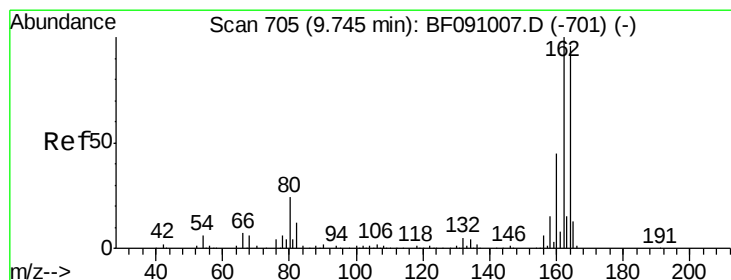
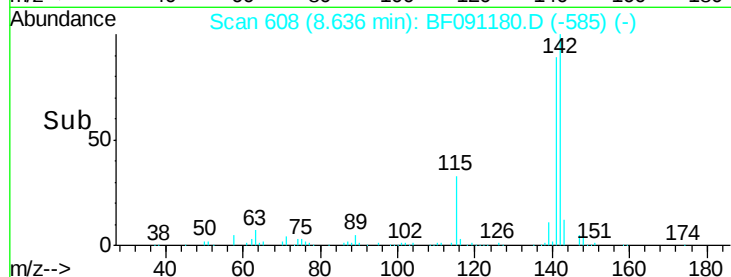
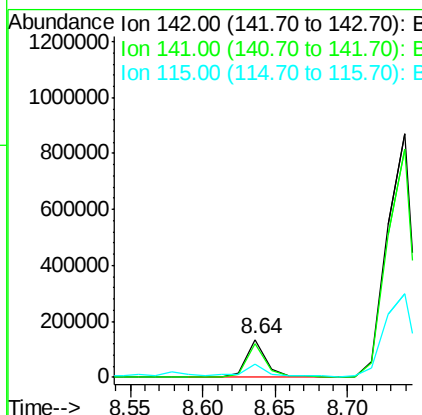
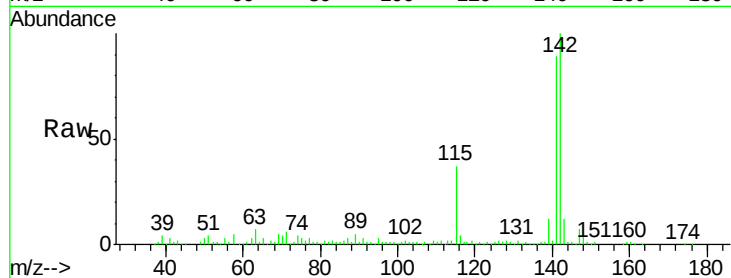




#37
 2-Methylnaphthalene
 Concen: 6.73 ng
 RT: 8.64 min Scan# 608
 Delta R.T. -0.03 min
 Lab File: BF091180.D
 Acq: 15 Nov 2016 15:54

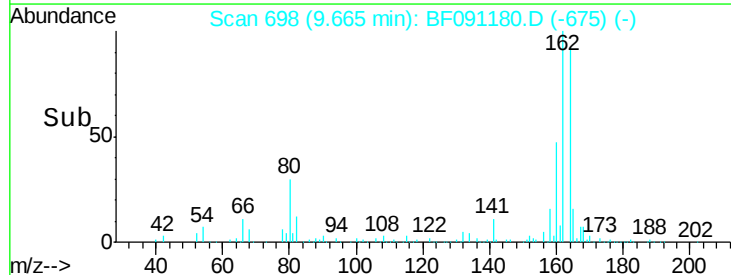
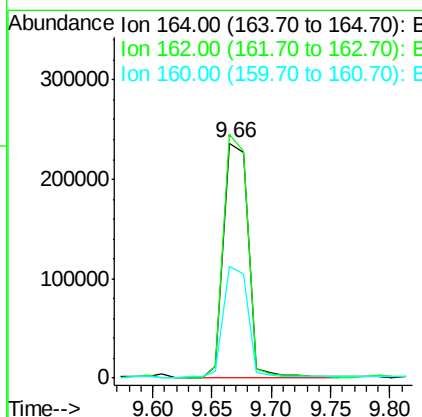
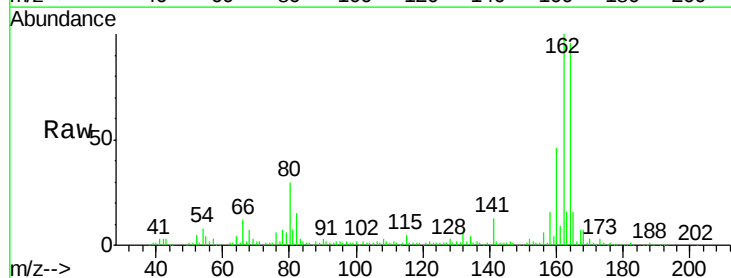
Instrument :
 BNA_F
 ClientSampleId :
 C19033041

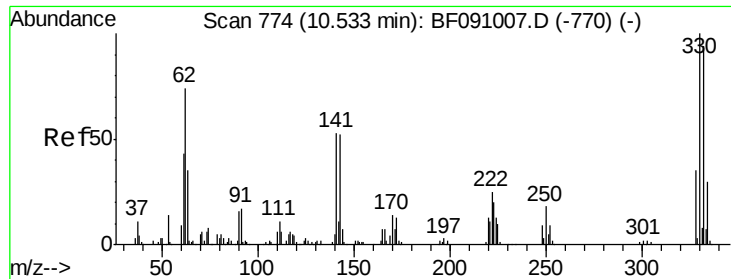
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.3	106.9
115	36.6	29.9	44.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 698
 Delta R.T. -0.03 min
 Lab File: BF091180.D
 Acq: 15 Nov 2016 15:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.6	125.4
160	47.6	37.9	56.9

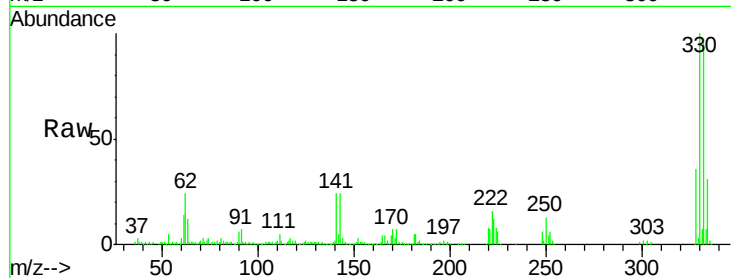




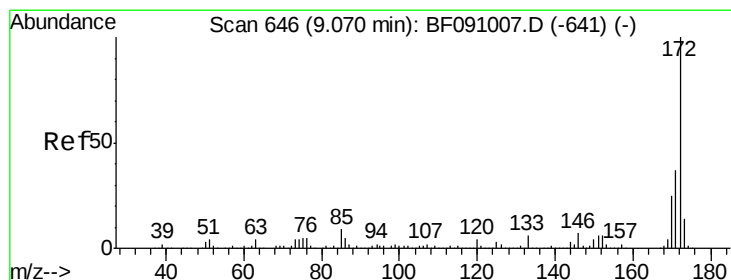
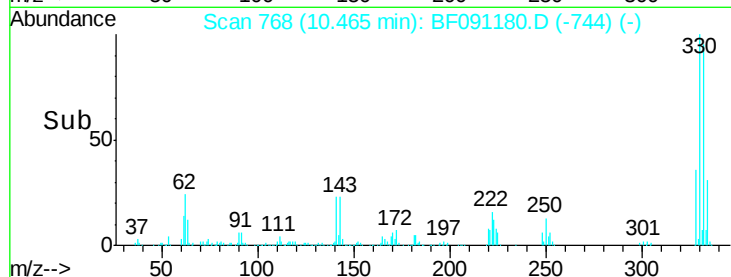
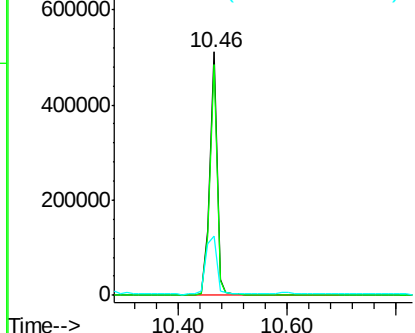
#41
 2,4,6-Tribromophenol
 Concen: 157.66 ng
 RT: 10.46 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BF091180.D
 Acq: 15 Nov 2016 15:54

Instrument :
 BNA_F
 ClientSampleId :
 C19033041

Tot Ion:330 Resp: 484727
 Ion Ratio Lower Upper
 330 100
 332 94.7 75.9 113.9
 141 36.2 36.1 54.1

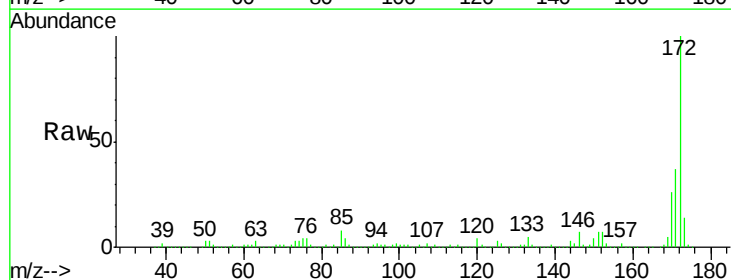


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

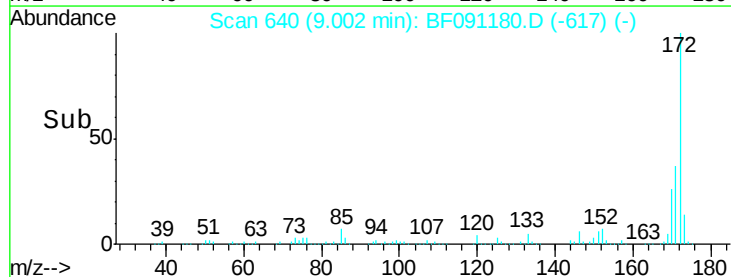
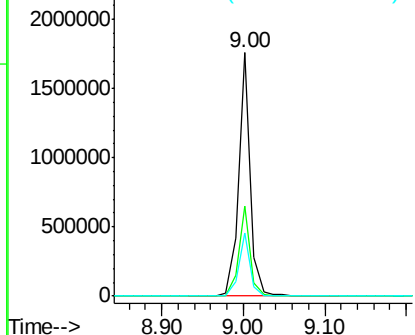


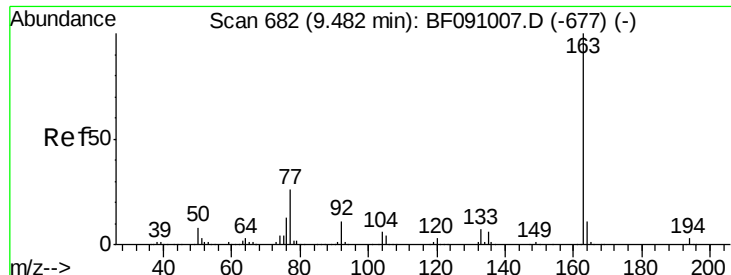
#44
 2-Fluorobiphenyl
 Concen: 88.78 ng
 RT: 9.00 min Scan# 640
 Delta R.T. -0.03 min
 Lab File: BF091180.D
 Acq: 15 Nov 2016 15:54

Tgt Ion:172 Resp: 1753613
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.8 44.6
 170 25.8 20.3 30.5



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

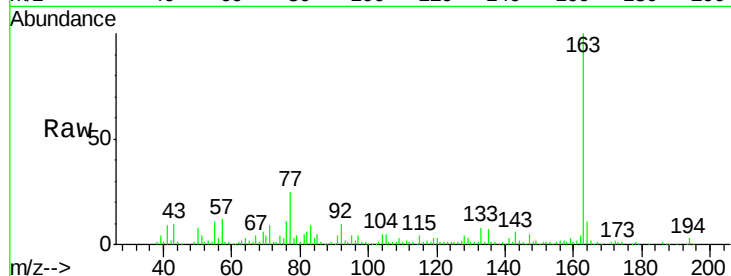




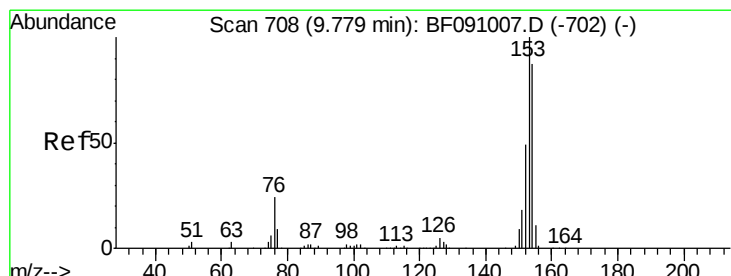
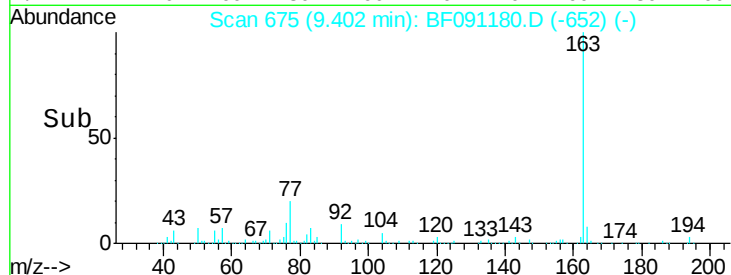
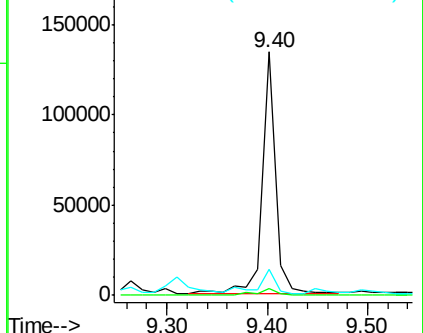
#49
Dimethylphthalate
Concen: 5.54 ng
RT: 9.40 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF091180.D
Acq: 15 Nov 2016 15:54

Instrument :
BNA_F
ClientSampleId :
C19033041

Tot Ion:163 Resp: 123506
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.9 8.7 13.1

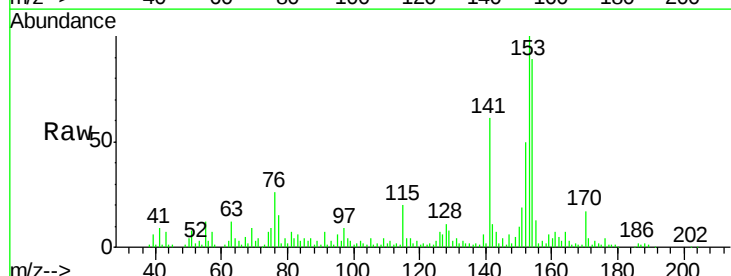


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

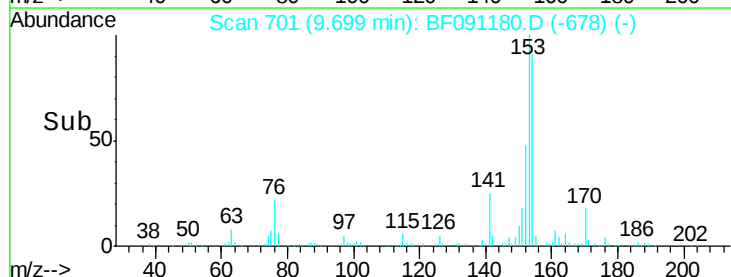
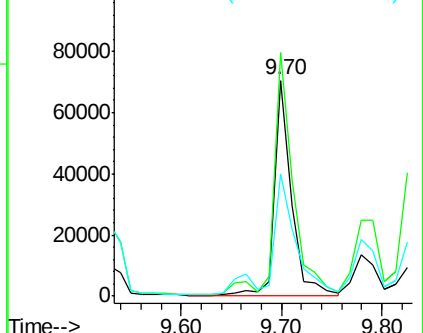


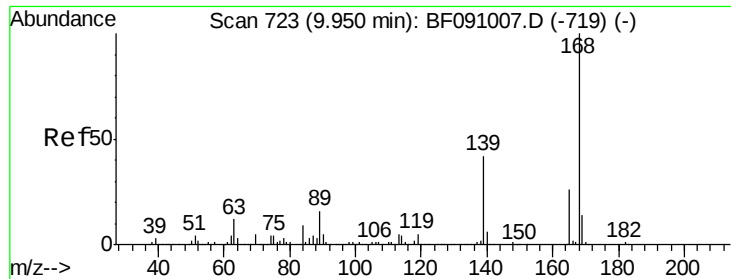
#51
Acenaphthene
Concen: 4.51 ng
RT: 9.70 min Scan# 701
Delta R.T. -0.03 min
Lab File: BF091180.D
Acq: 15 Nov 2016 15:54

Tgt Ion:154 Resp: 83136
Ion Ratio Lower Upper
154 100
153 112.8 91.6 137.4
152 56.3 44.6 67.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

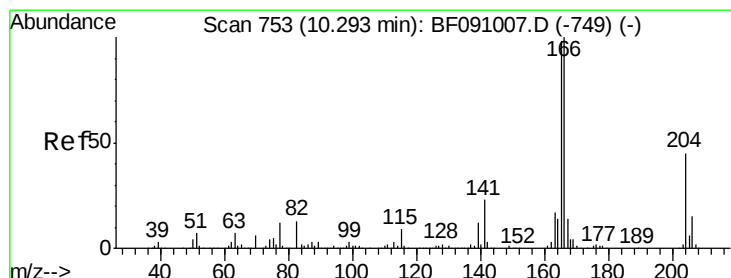
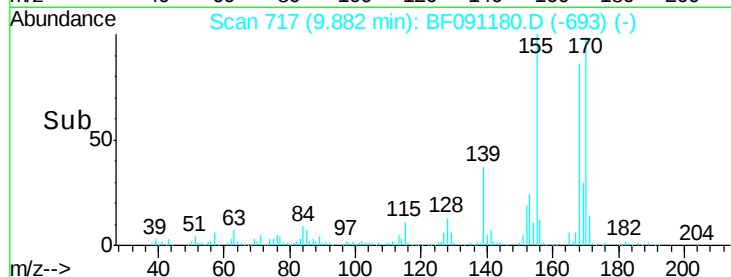
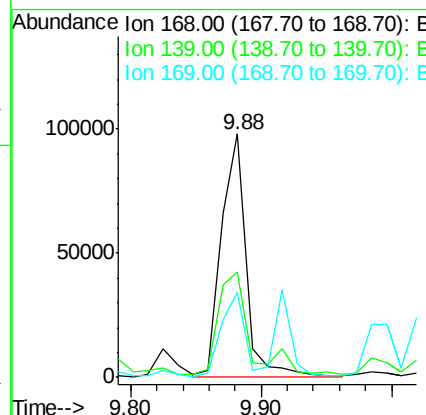
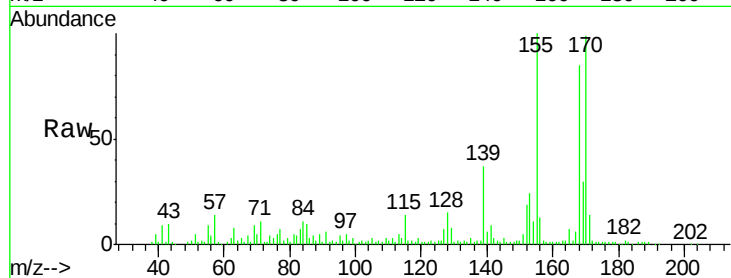




#54
Dibenzofuran
Concen: 5.23 ng
RT: 9.88 min Scan# 717
Delta R.T. -0.02 min
Lab File: BF091180.D
Acq: 15 Nov 2016 15:54

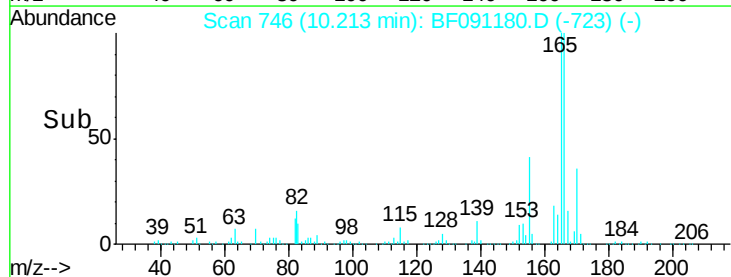
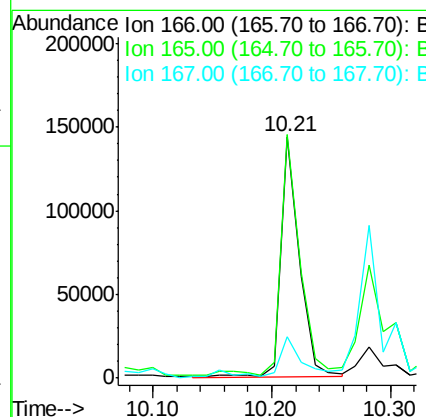
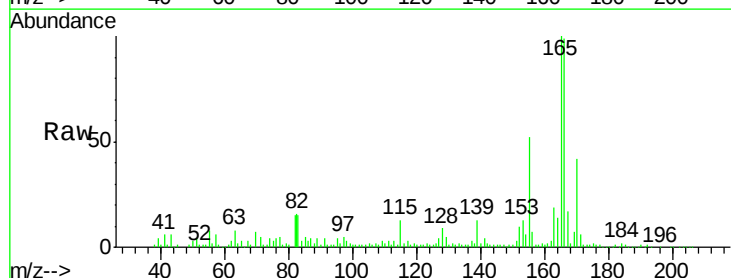
Instrument :
BNA_F
ClientSampled :
C19033041

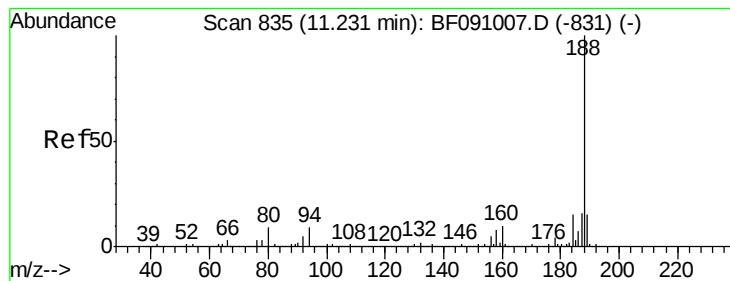
Tot Ion	Ratio	Lower	Upper
168	100		
139	43.5	34.8	52.2
169	35.0	11.4	17.2#



#57
Fluorene
Concen: 7.70 ng
RT: 10.21 min Scan# 746
Delta R.T. -0.03 min
Lab File: BF091180.D
Acq: 15 Nov 2016 15:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.9	78.6	118.0
167	17.2	11.1	16.7#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.15 min Scan# 828

Delta R.T. -0.02 min

Lab File: BF091180.D

Acq: 15 Nov 2016 15:54

Instrument :

BNA_F

ClientSampleId :

C19033041

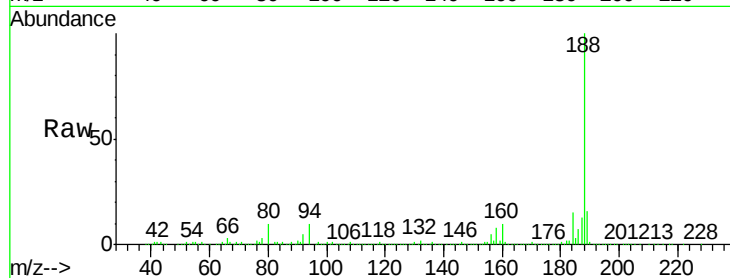
Tot Ion:188 Resp: 571972

Ion Ratio Lower Upper

188 100

94 9.6 7.0 10.4

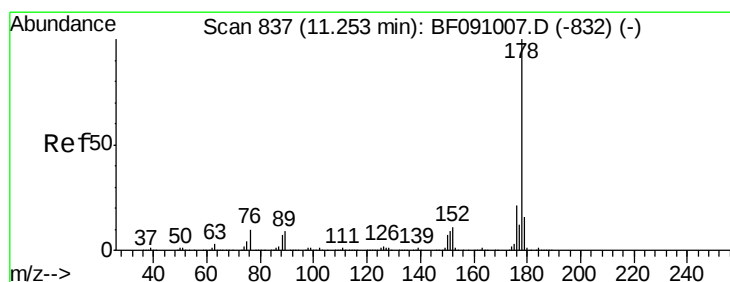
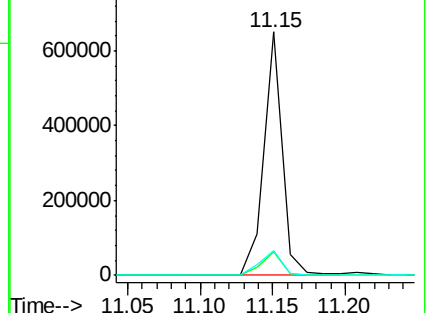
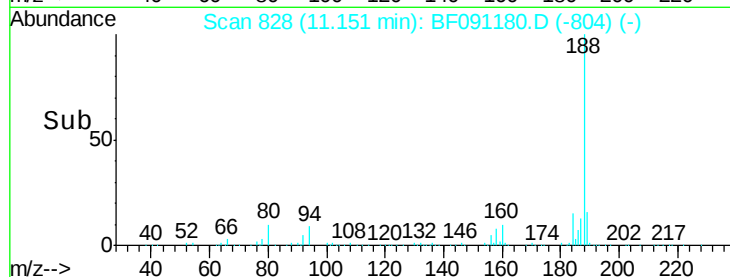
80 10.3 7.5 11.3



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: 6.58 ng

RT: 11.17 min Scan# 830

Delta R.T. -0.03 min

Lab File: BF091180.D

Acq: 15 Nov 2016 15:54

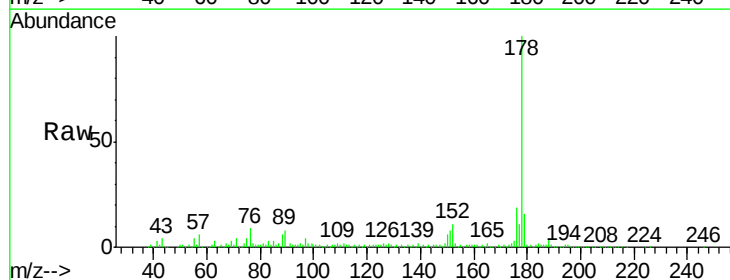
Tgt Ion:178 Resp: 199927

Ion Ratio Lower Upper

178 100

176 19.3 16.6 25.0

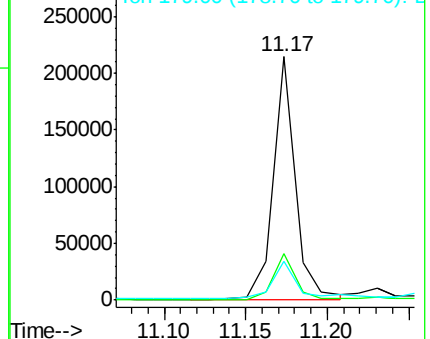
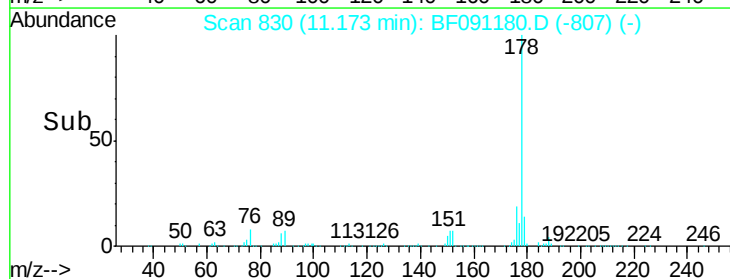
179 15.8 12.9 19.3

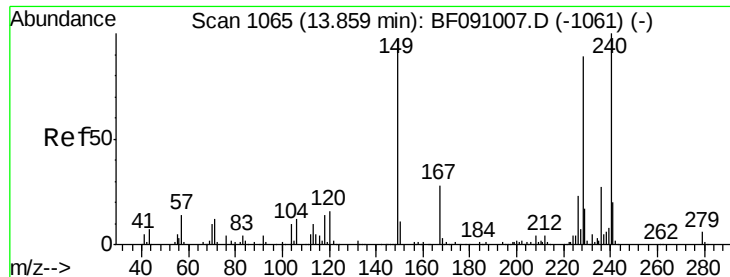


Abundance Ion 178.00 (177.70 to 178.70): E

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: 13.78 min Scan# 1058

Delta R.T. -0.03 min

Lab File: BF091180.D

Acq: 15 Nov 2016 15:54

Instrument :

BNA_F

ClientSampleId :

C19033041

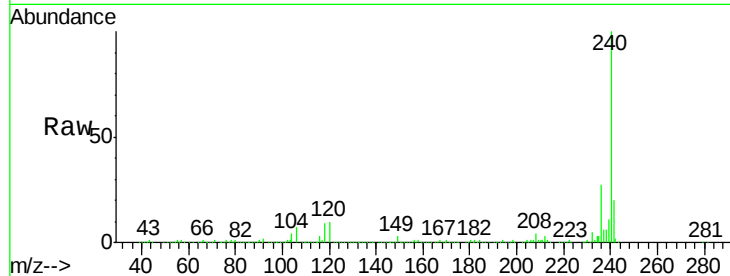
Tot Ion:240 Resp: 502177

Ion Ratio Lower Upper

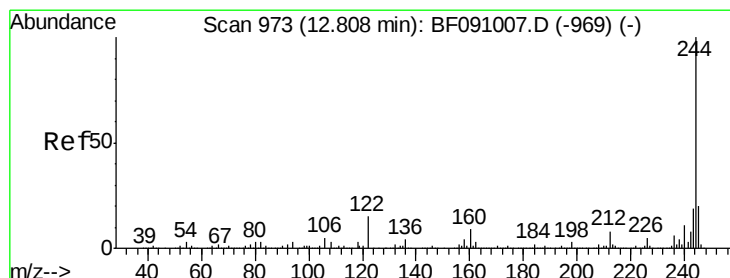
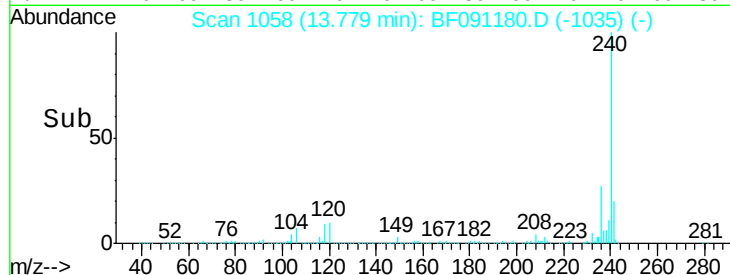
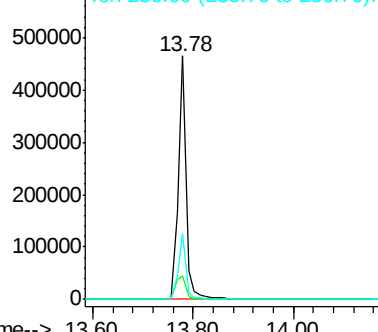
240 100

120 9.9 12.9 19.3#

236 27.2 21.9 32.9



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: 94.61 ng

RT: 12.74 min Scan# 967

Delta R.T. -0.02 min

Lab File: BF091180.D

Acq: 15 Nov 2016 15:54

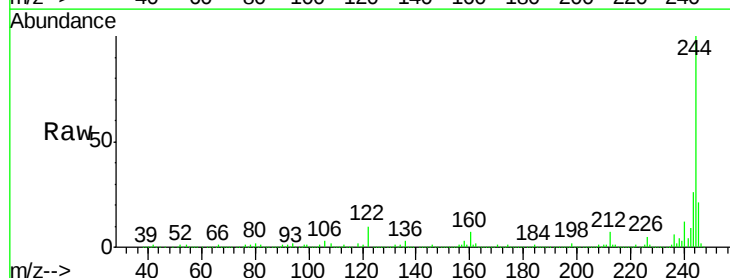
Tgt Ion:244 Resp: 1903856

Ion Ratio Lower Upper

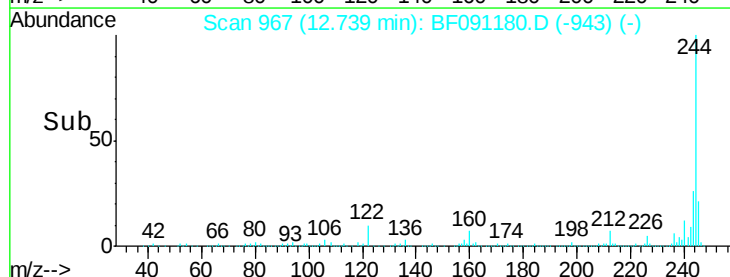
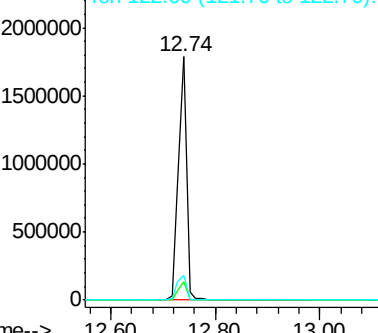
244 100

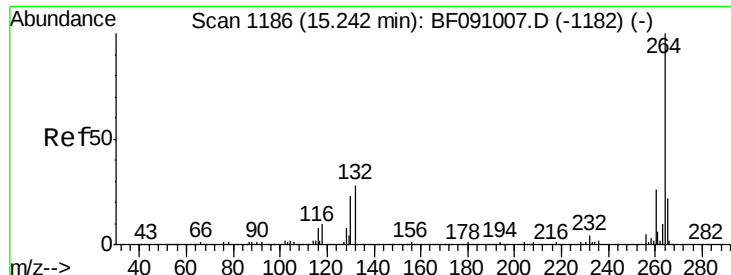
212 7.3 6.4 9.6

122 10.0 12.3 18.5#



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

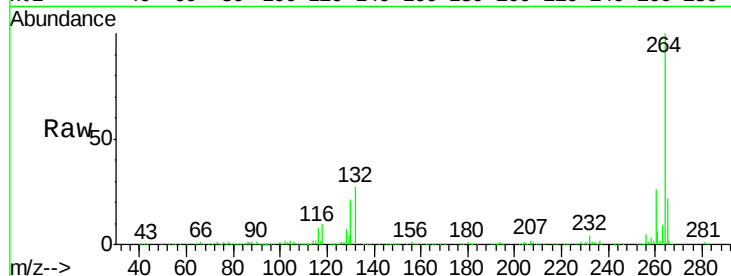




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.14 min Scan# 1177
 Delta R.T. -0.05 min
 Lab File: BF091180.D
 Acq: 15 Nov 2016 15:54

Instrument :
 BNA_F
 ClientSampleId :
 C19033041

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.6	30.8
265	21.6	17.8	26.8



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

