

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
 Data File : BF091045.D
 Acq On : 5 Nov 2016 2:36
 Operator : UM/SJ
 Sample : H5509-17 30X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Quant Time: Nov 05 02:32:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	140750	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	546100	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	263453	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	333386	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	315781	20.00	ng	0.00
86) Perylene-d12	15.25	264	229316	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	32869	3.86	ng	0.01
7) Phenol-d6	6.36	99	11987	1.04	ng	0.01
23) Nitrobenzene-d5	7.28	82	32192	3.22	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	5894	2.47	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	45277	2.96	ng	0.00
78) Terphenyl-d14	12.81	244	29327	2.32	ng	0.00

Target Compounds

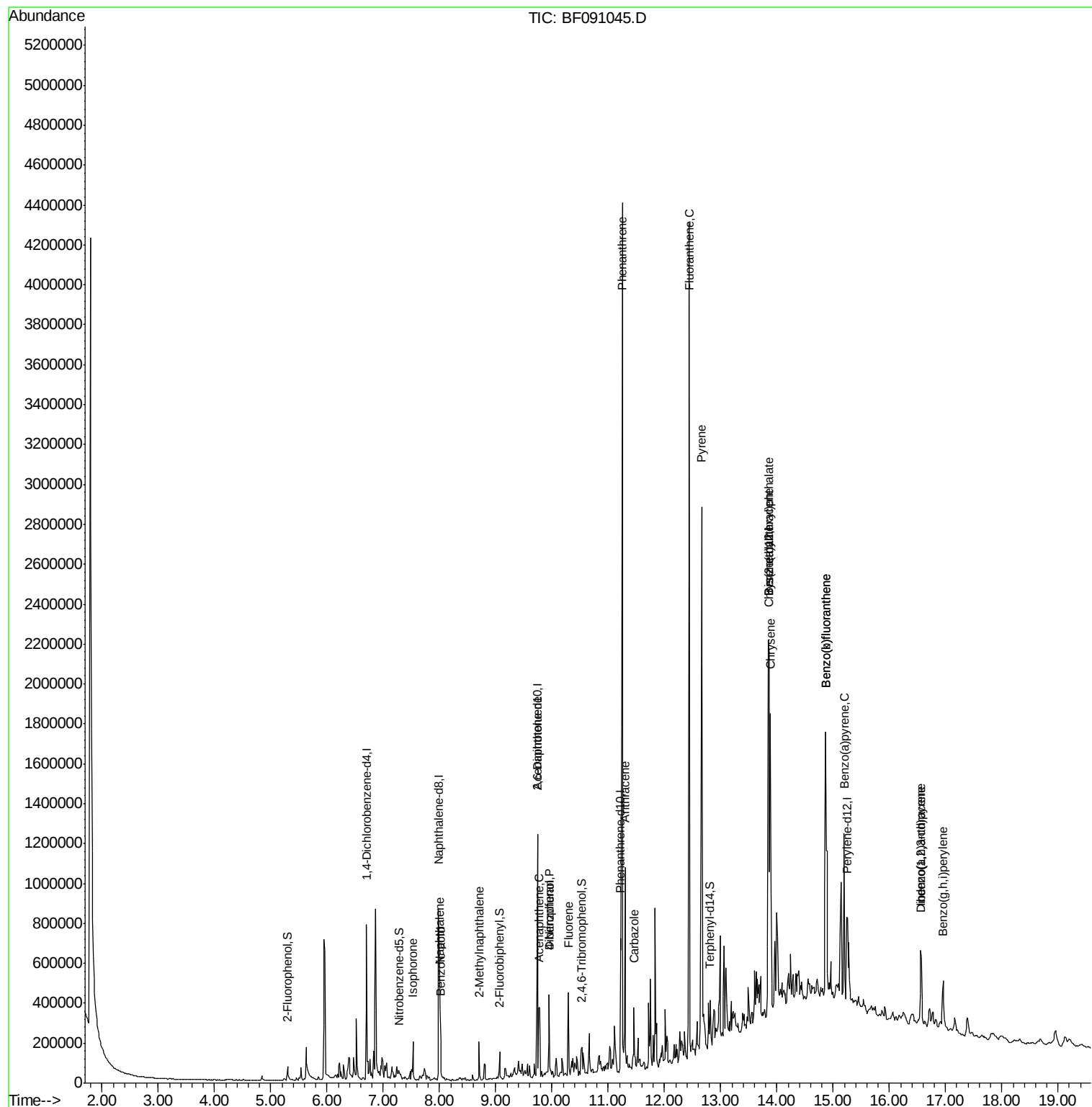
						Qvalue
25) Isophorone	7.53	82	74296	3.85	ng	96
31) Naphthalene	8.01	128	154271	5.91	ng	99
32) Benzoic acid	8.02	122	606	5.16	ng	# 1
37) 2-Methylnaphthalene	8.70	142	54037	3.22	ng	98
50) 2,6-Dinitrotoluene	9.74	165	36386	9.83	ng	# 11
51) Acenaphthene	9.78	154	118046	8.26	ng	99
54) Dibenzofuran	9.95	168	173995	9.05	ng	94
55) 4-Nitrophenol	9.95	139	70401	28.09	ng	# 2
57) Fluorene	10.29	166	179242	11.40	ng	100
70) Phenanthrene	11.25	178	1670625	94.26	ng	99
71) Anthracene	11.30	178	384813	20.42	ng	98
72) Carbazole	11.46	167	137426	8.09	ng	96
74) Fluoranthene	12.44	202	1973497	107.37	ng	92
77) Pyrene	12.66	202	1477554	71.45	ng	97
80) Benzo(a)anthracene	13.85	228	778328	43.41	ng	99
82) Chrysene	13.88	228	525678	29.73	ng	97
83) Bis(2-ethylhexyl)phthalate	13.85	149	43124	3.22	ng	96
85) Indeno(1,2,3-cd)pyrene	16.56	276	201639	13.75	ng	95
87) Benzo(b)fluoranthene	14.87	252	877608	56.43	ng	# 96
88) Benzo(k)fluoranthene	14.87	252	877608	64.33	ng	100
89) Benzo(a)pyrene	15.20	252	385899	28.50	ng	99
90) Dibenzo(a,h)anthracene	16.57	278	73344	6.27	ng	# 85
91) Benzo(g,h,i)perylene	16.96	276	172186	16.27	ng	97

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091045.D
Acq On : 5 Nov 2016 2:36
Operator : UM/SJ
Sample : H5509-17 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

Quant Time: Nov 05 02:32:17 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 11:03:12 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF091045.D

Acq: 5 Nov 2016 2:36

Instrument :

BNA_F

ClientSampleId :

S-1

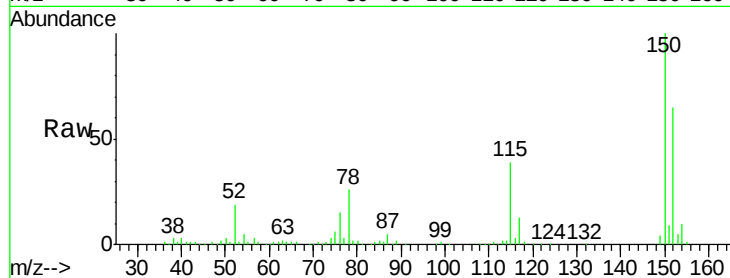
Tgt Ion:152 Resp: 140750

Ion Ratio Lower Upper

152 100

150 154.7 126.8 190.2

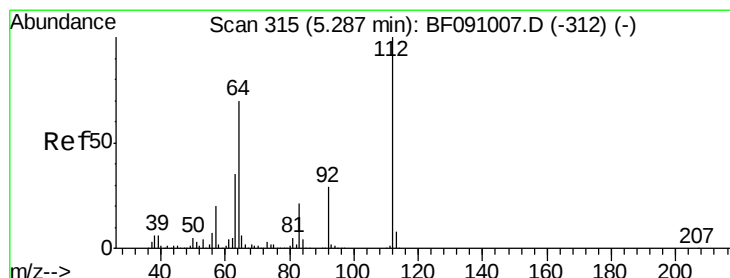
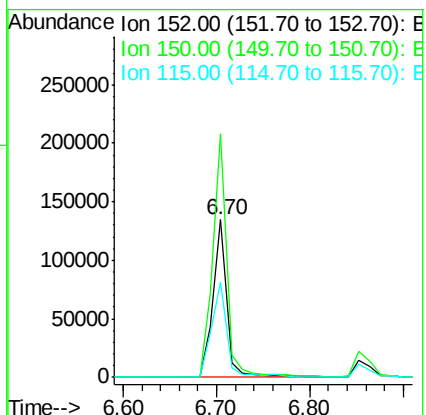
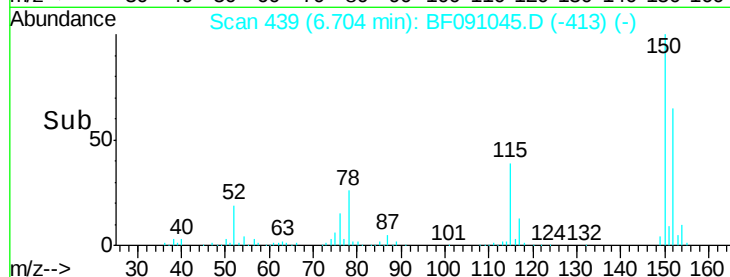
115 60.6 53.3 79.9



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: 3.86 ng

RT: 5.30 min Scan# 316

Delta R.T. 0.01 min

Lab File: BF091045.D

Acq: 5 Nov 2016 2:36

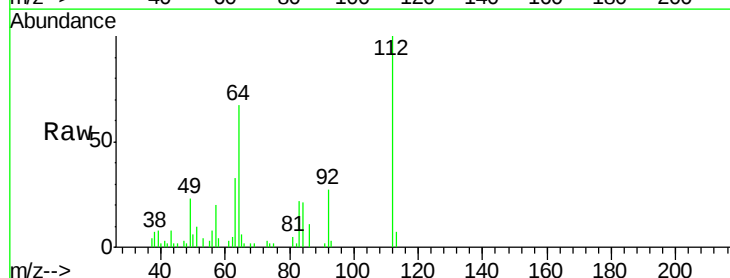
Tgt Ion:112 Resp: 32869

Ion Ratio Lower Upper

112 100

64 67.0 55.8 83.6

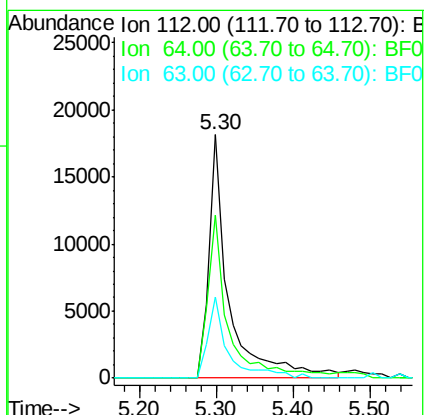
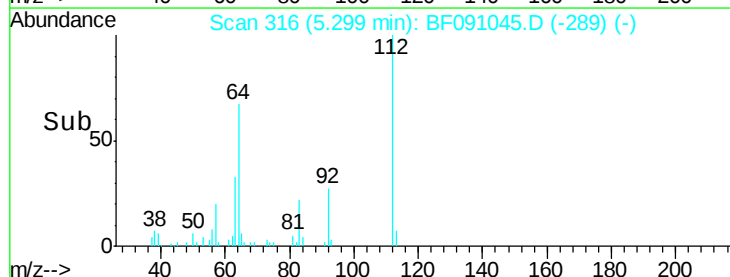
63 33.3 28.0 42.0



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: 1.04 ng

RT: 6.36 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091045.D

Acq: 5 Nov 2016 2:36

Instrument :

BNA_F

ClientSampleId :

S-1

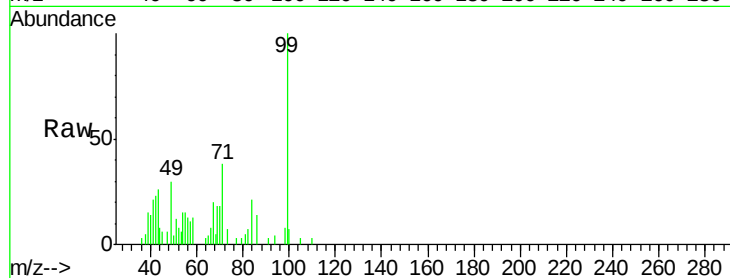
Tgt Ion: 99 Resp: 11987

Ion Ratio Lower Upper

99 100

42 22.7 13.9 20.9#

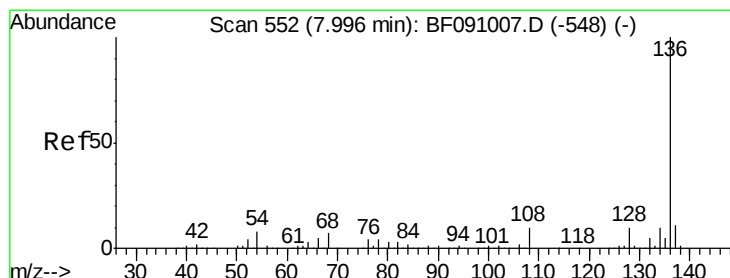
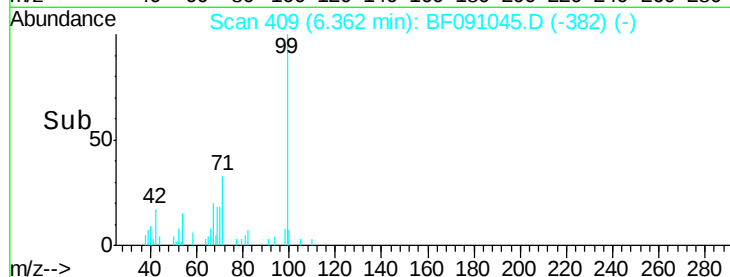
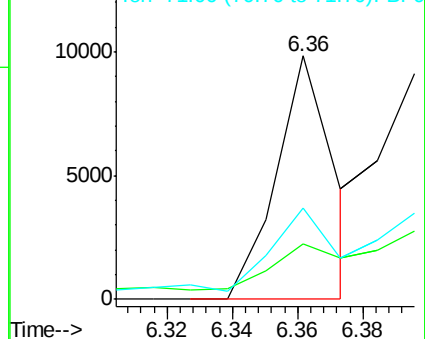
71 37.6 27.8 41.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF091045.D

Acq: 5 Nov 2016 2:36

Tgt Ion: 136 Resp: 546100

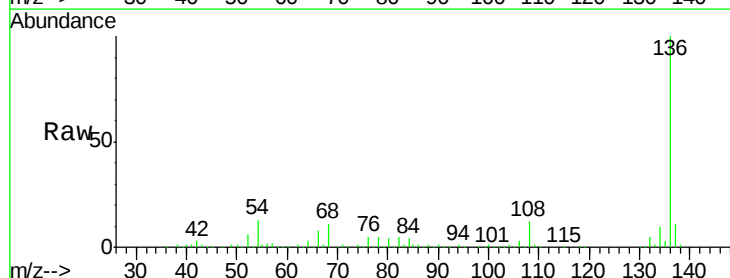
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 12.6 6.2 9.2#

68 10.5 5.5 8.3#

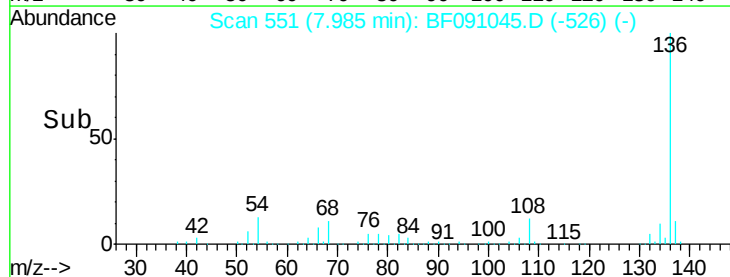
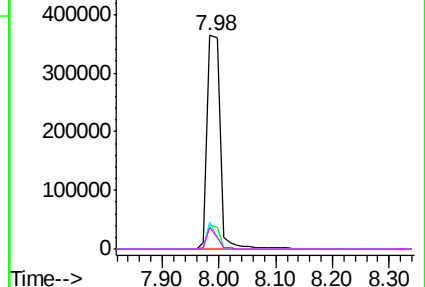


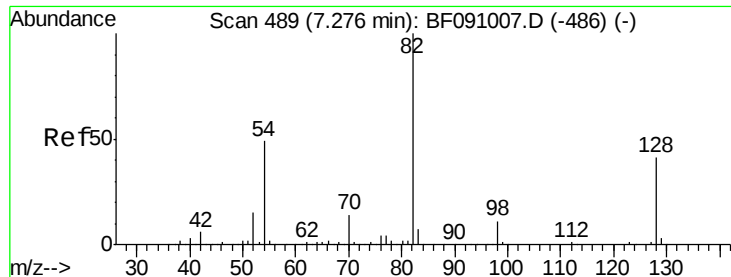
Abundance Ion 136.00 (135.70 to 136.70): E

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

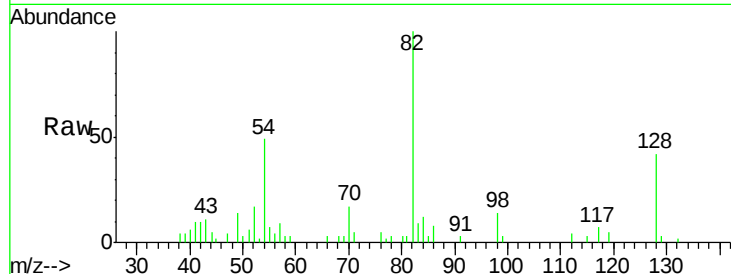




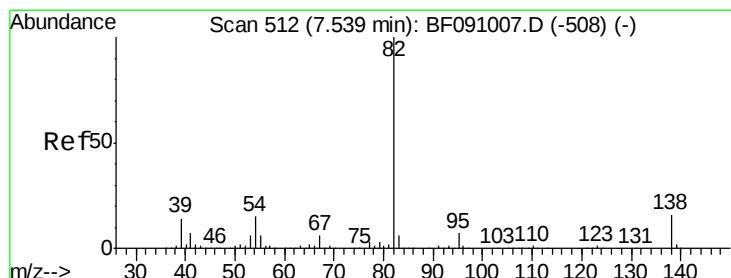
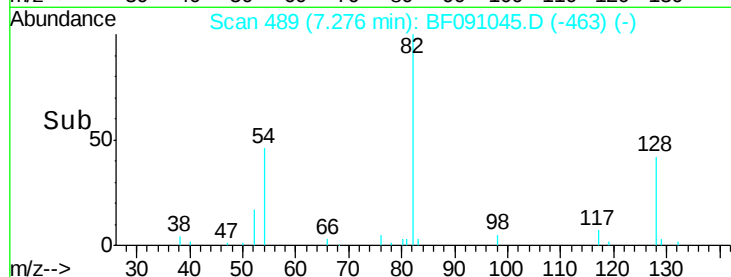
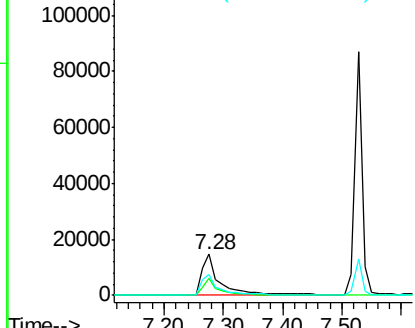
#23
Nitrobenzene-d5
Concen: 3.22 ng
RT: 7.28 min Scan# 489
Delta R.T. 0.00 min
Lab File: BF091045.D
Acq: 5 Nov 2016 2:36

Instrument :
BNA_F
ClientSampled :
S-1

Tgt Ion: 82 Resp: 32192
Ion Ratio Lower Upper
82 100
128 41.9 32.4 48.6
54 49.3 39.2 58.8

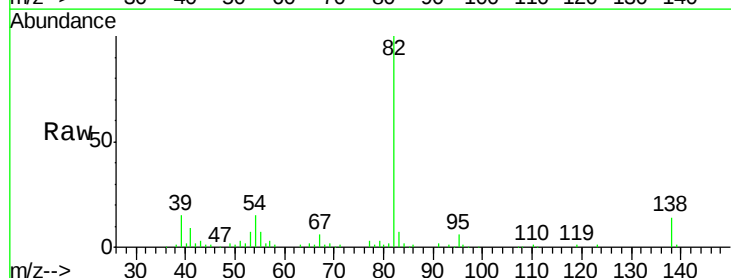


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

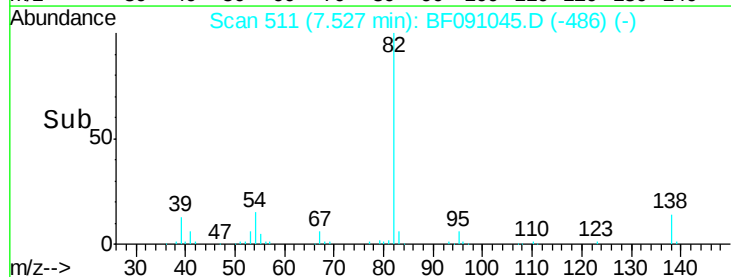
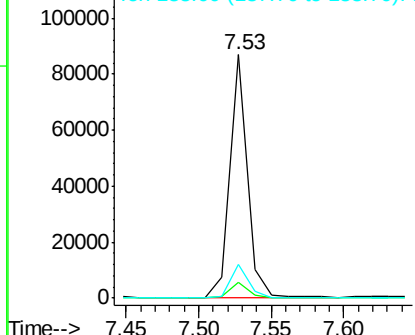


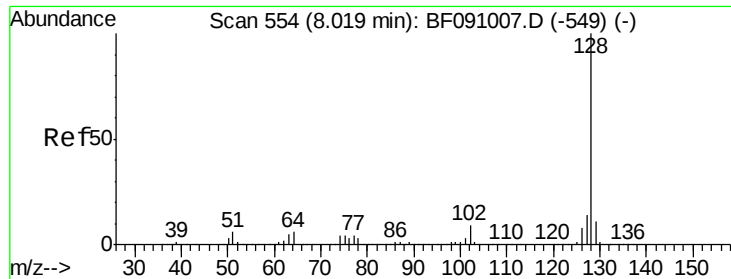
#25
Isophorone
Concen: 3.85 ng
RT: 7.53 min Scan# 511
Delta R.T. -0.01 min
Lab File: BF091045.D
Acq: 5 Nov 2016 2:36

Tgt Ion: 82 Resp: 74296
Ion Ratio Lower Upper
82 100
95 6.3 5.4 8.0
138 13.8 13.0 19.4



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

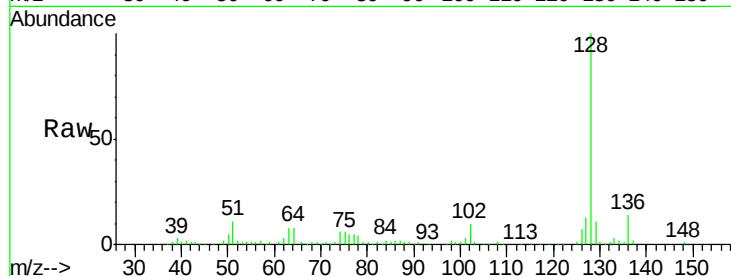




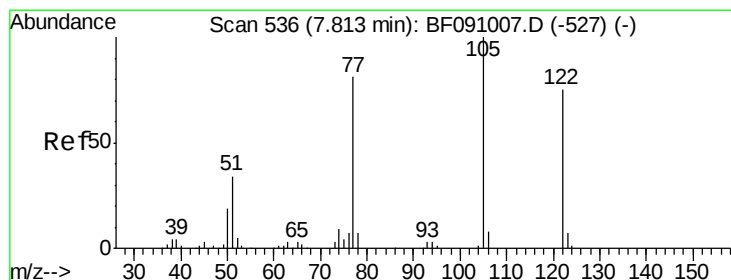
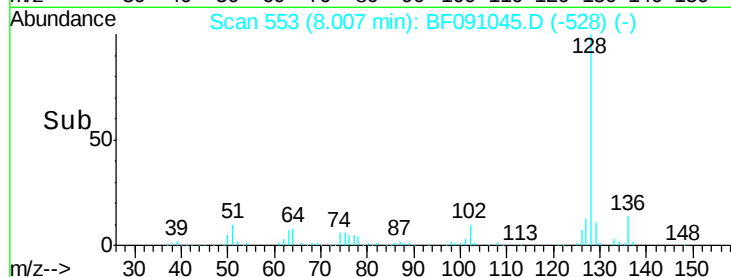
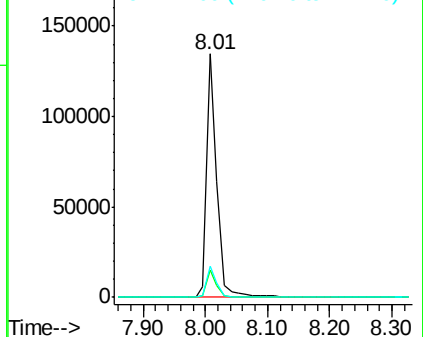
#31
Naphthalene
Concen: 5.91 ng
RT: 8.01 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF091045.D
Acq: 5 Nov 2016 2:36

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:128 Resp: 154271
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 12.9 10.9 16.3

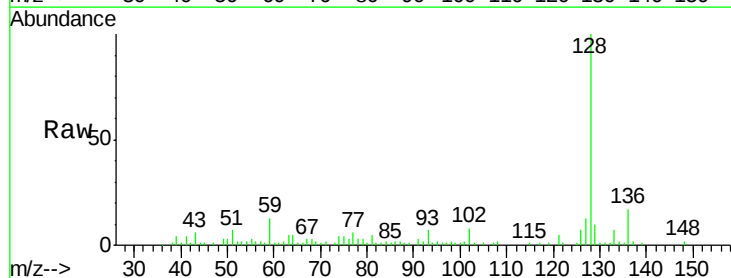


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

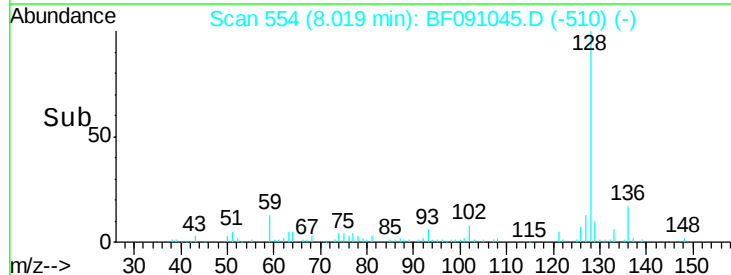
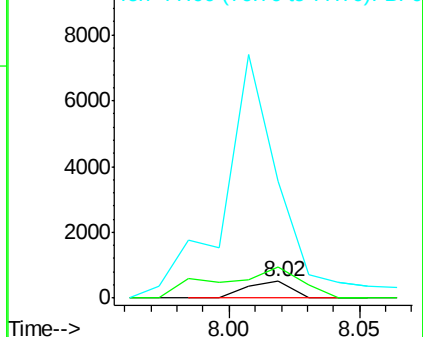


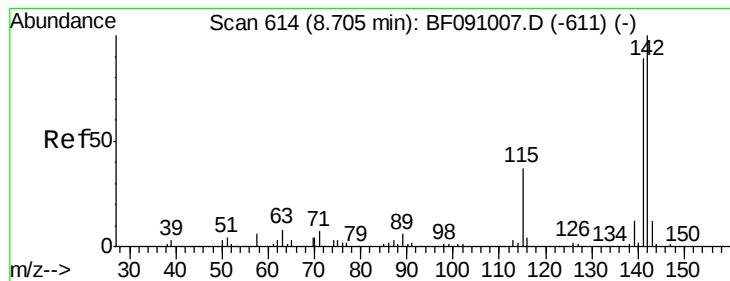
#32
Benzoic acid
Concen: 5.16 ng
RT: 8.02 min Scan# 554
Delta R.T. 0.21 min
Lab File: BF091045.D
Acq: 5 Nov 2016 2:36

Tgt Ion:122 Resp: 606
Ion Ratio Lower Upper
122 100
105 183.3 105.9 145.9#
77 687.0 84.0 124.0#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#37

2-Methylnaphthalene

Concen: 3.22 ng

RT: 8.70 min Scan# 614

Delta R.T. 0.00 min

Lab File: BF091045.D

Acq: 5 Nov 2016 2:36

Instrument :

BNA_F

ClientSampleId :

S-1

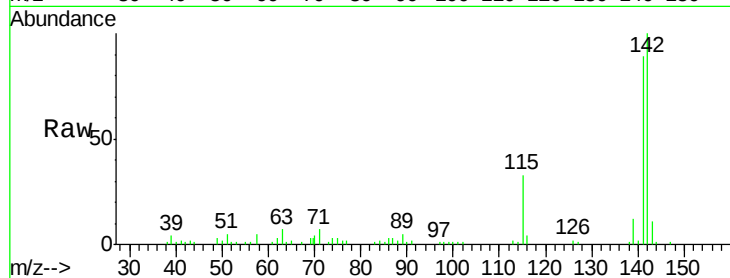
Tgt Ion:142 Resp: 54037

Ion Ratio Lower Upper

142 100

141 88.8 71.3 106.9

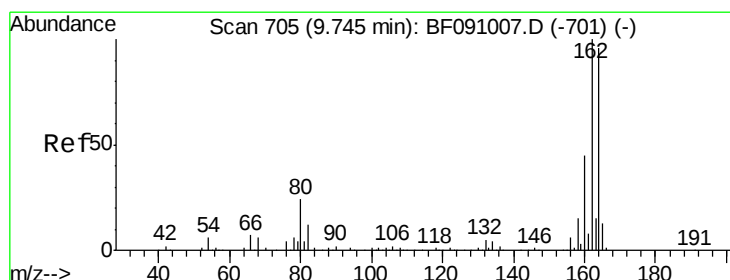
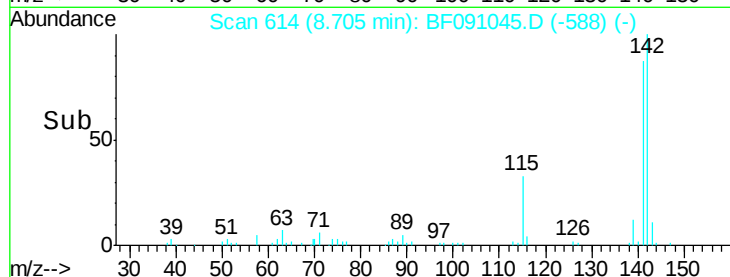
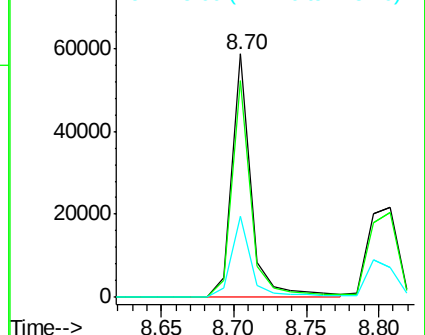
115 33.2 29.9 44.9



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: 9.74 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF091045.D

Acq: 5 Nov 2016 2:36

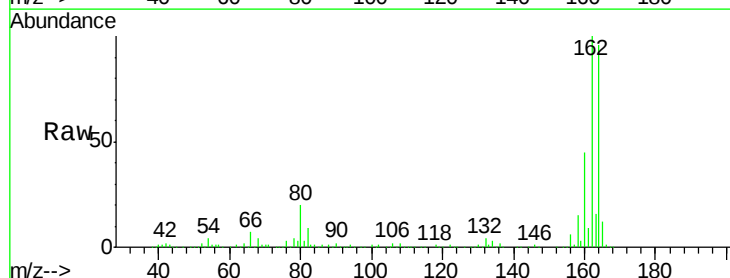
Tgt Ion:164 Resp: 263453

Ion Ratio Lower Upper

164 100

162 103.7 83.6 125.4

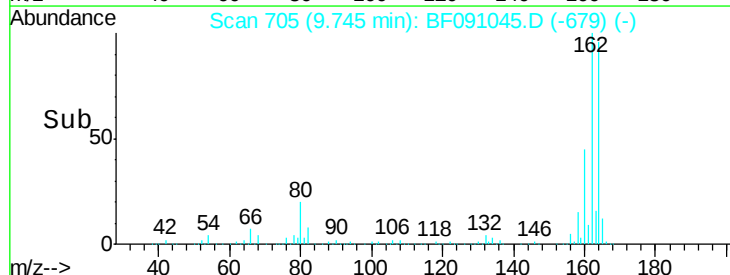
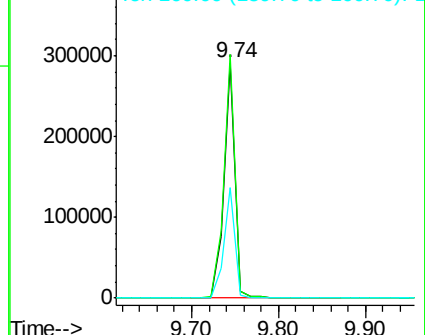
160 47.0 37.9 56.9

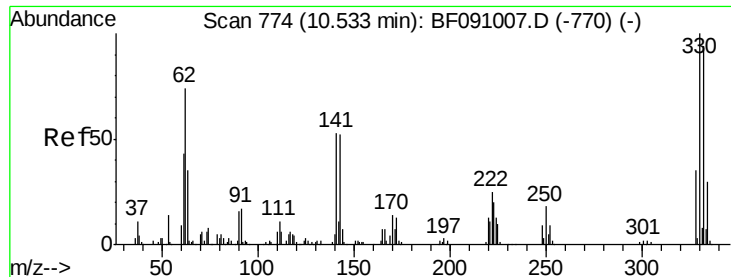


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

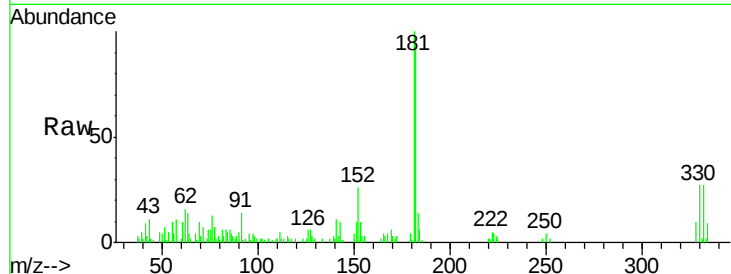




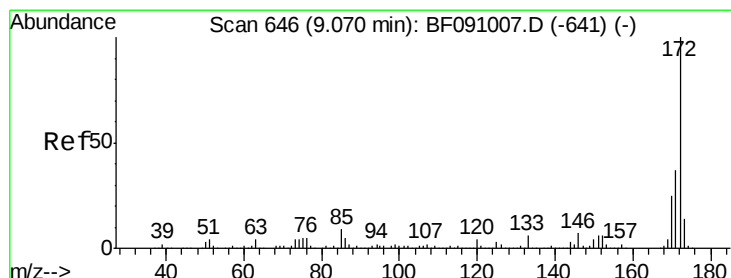
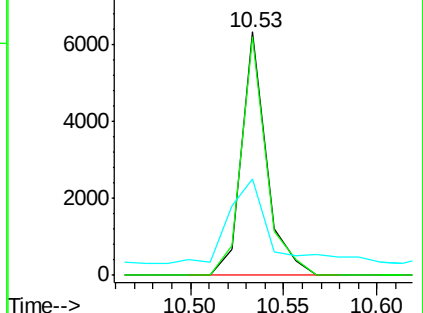
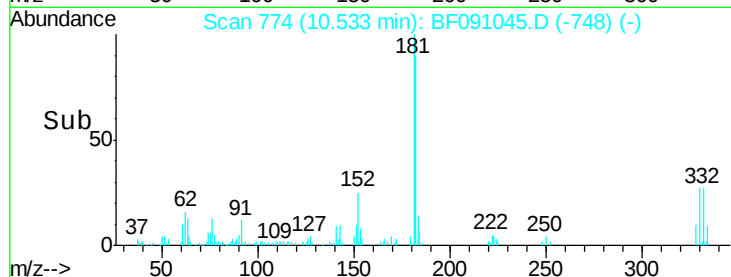
#41
 2,4,6-Tribromophenol
 Concen: 2.47 ng
 RT: 10.53 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF091045.D
 Acq: 5 Nov 2016 2:36

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Tgt Ion:330 Resp: 5894
 Ion Ratio Lower Upper
 330 100
 332 99.5 75.9 113.9
 141 68.3 36.1 54.1#

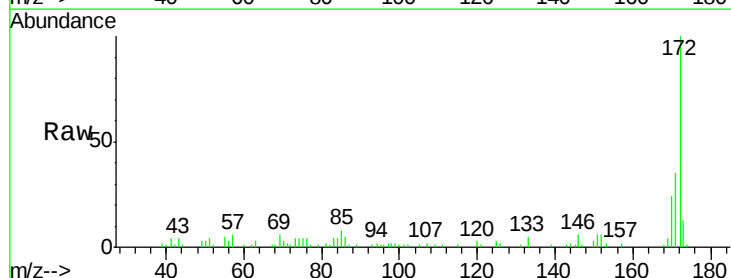


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

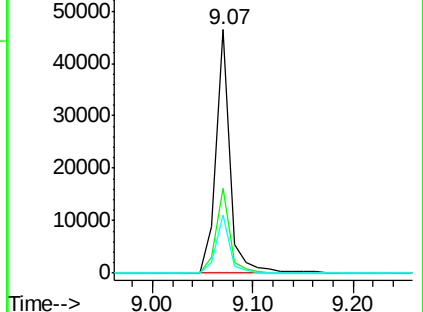
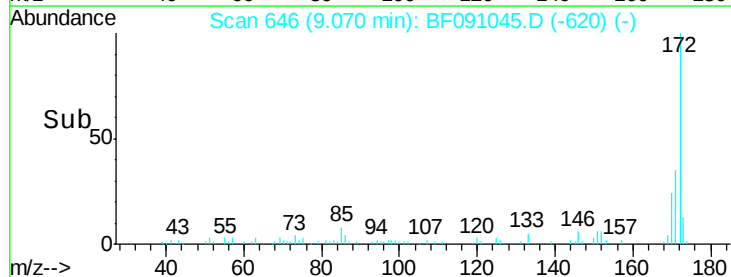


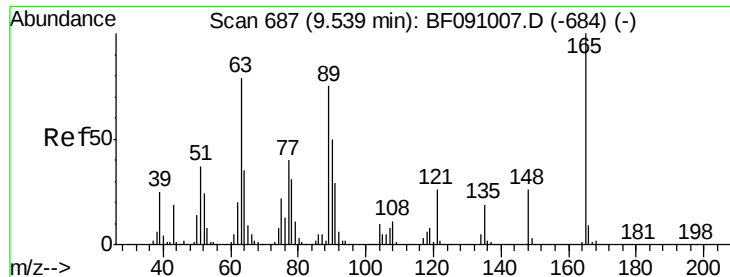
#44
 2-Fluorobiphenyl
 Concen: 2.96 ng
 RT: 9.07 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF091045.D
 Acq: 5 Nov 2016 2:36

Tgt Ion:172 Resp: 45277
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.8 44.6
 170 23.9 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

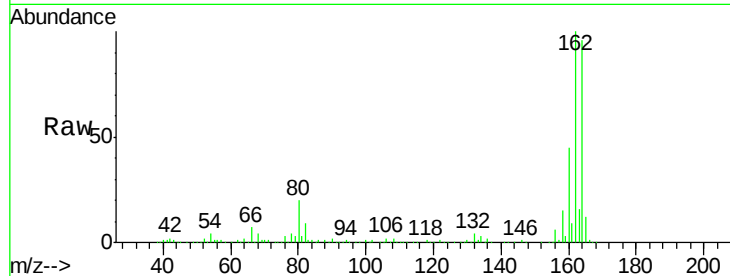




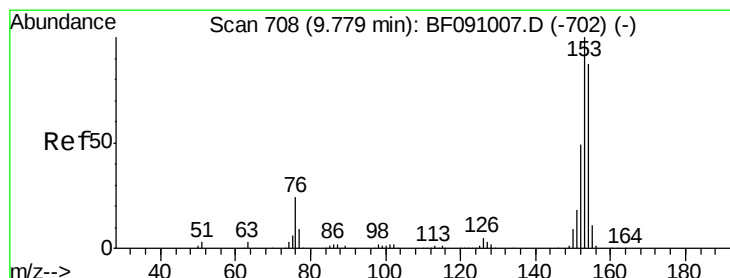
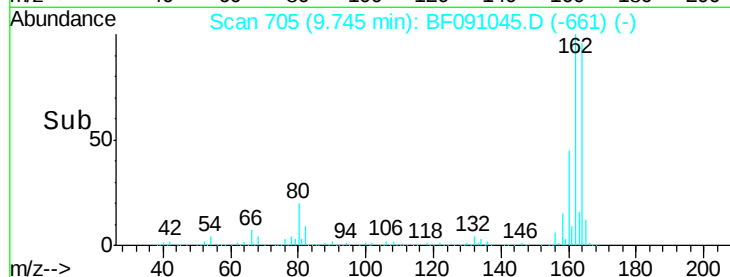
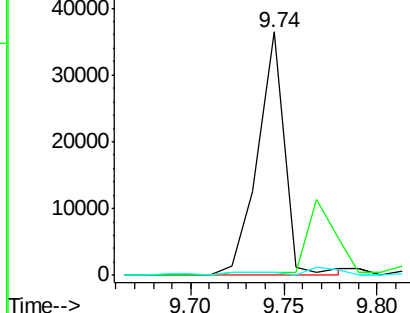
#50
2,6-Dinitrotoluene
Concen: 9.83 ng
RT: 9.74 min Scan# 705
Delta R.T. 0.21 min
Lab File: BF091045.D
Acq: 5 Nov 2016 2:36

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	65.6	98.4#
89	1.3	59.8	89.6#

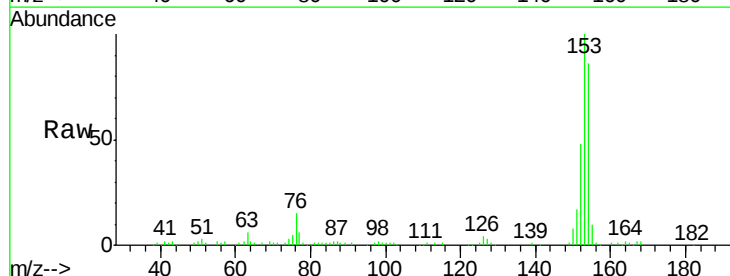


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

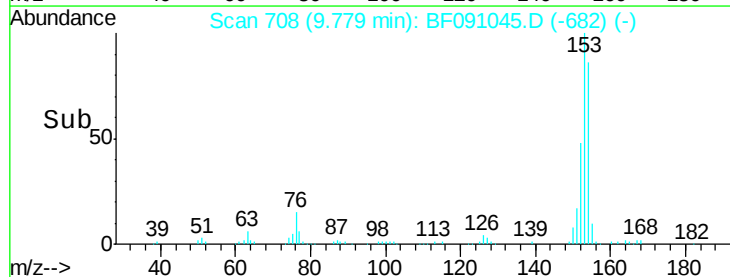
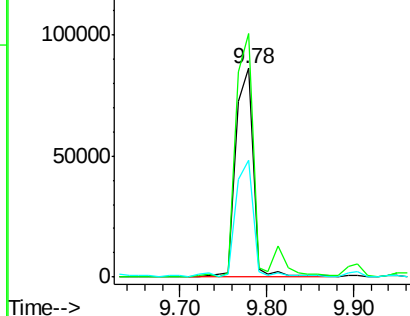


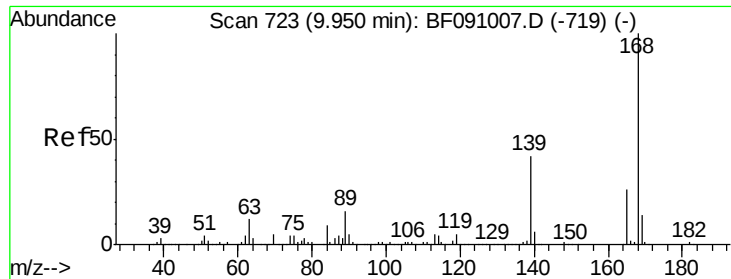
#51
Acenaphthene
Concen: 8.26 ng
RT: 9.78 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF091045.D
Acq: 5 Nov 2016 2:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.5	91.6	137.4
152	55.7	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

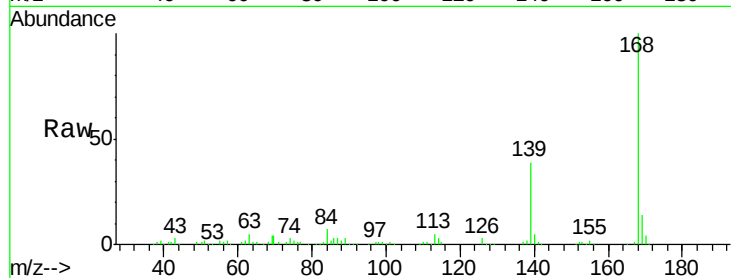




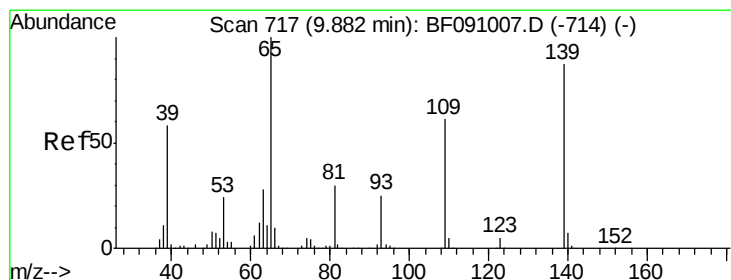
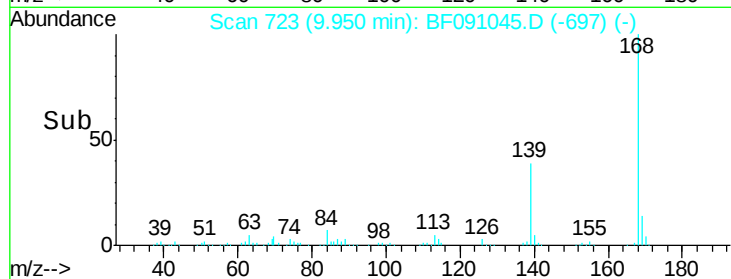
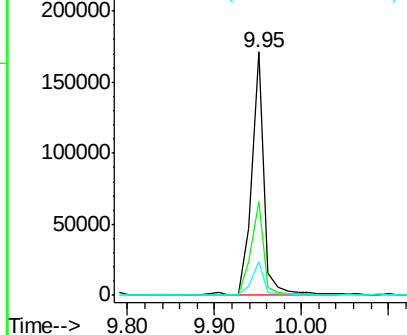
#54
Dibenzenofuran
Concen: 9.05 ng
RT: 9.95 min Scan# 723
Delta R.T. 0.00 min
Lab File: BF091045.D
Acq: 5 Nov 2016 2:36

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:168 Resp: 173995
Ion Ratio Lower Upper
168 100
139 38.8 34.8 52.2
169 13.8 11.4 17.2

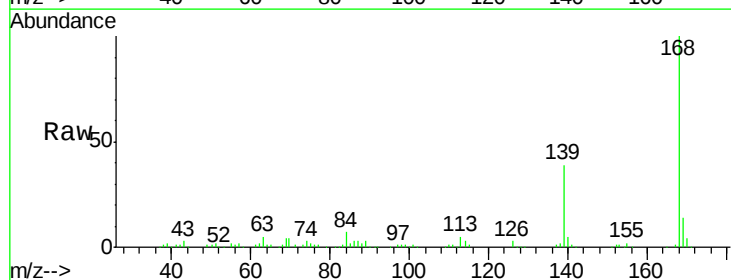


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

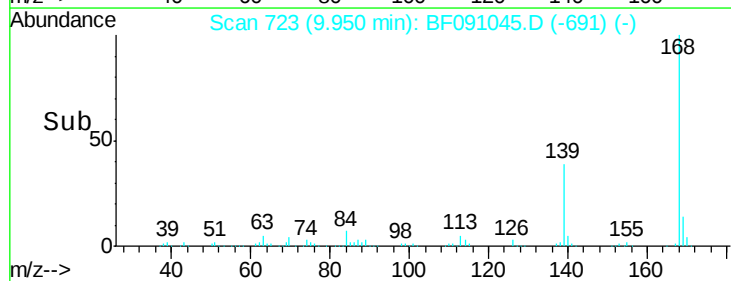
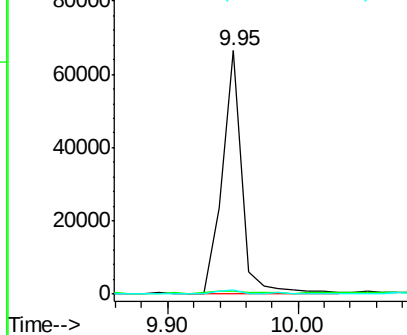


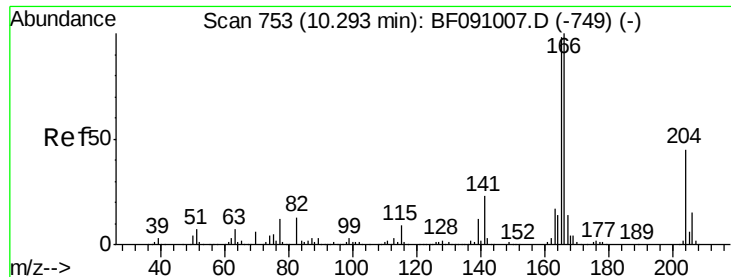
#55
4-Nitrophenol
Concen: 28.09 ng
RT: 9.95 min Scan# 723
Delta R.T. 0.07 min
Lab File: BF091045.D
Acq: 5 Nov 2016 2:36

Tgt Ion:139 Resp: 70401
Ion Ratio Lower Upper
139 100
109 1.1 50.5 90.5#
65 1.5 97.1 137.1#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

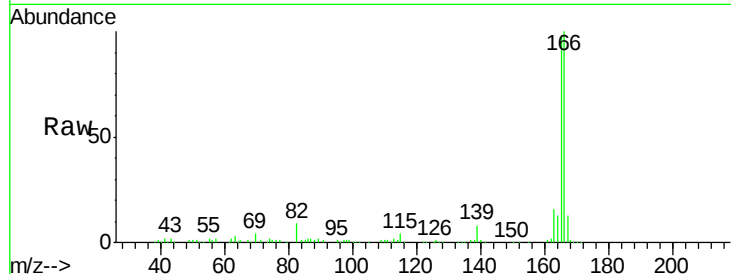




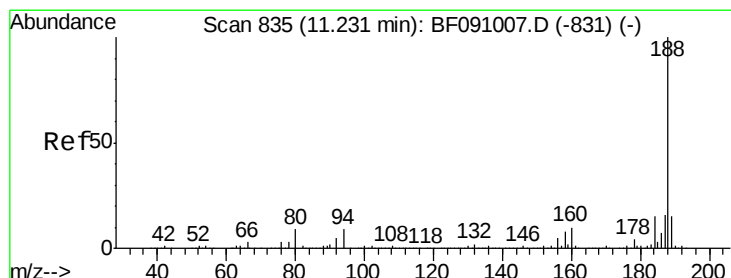
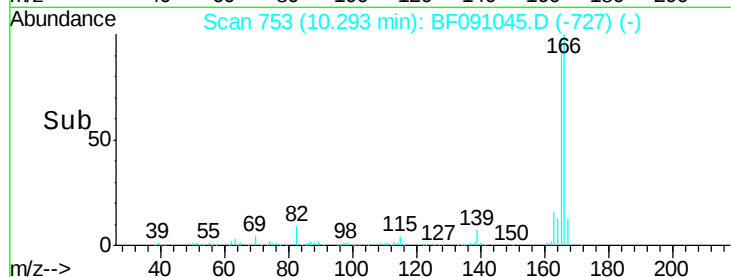
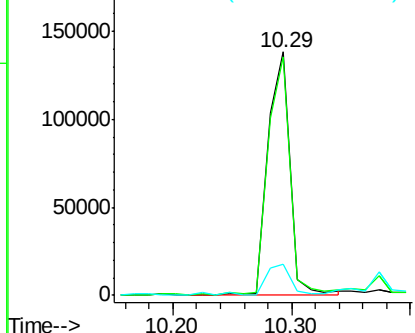
#57
Fluorene
 Concen: 11.40 ng
 RT: 10.29 min Scan# 753
 Delta R.T. 0.00 min
 Lab File: BF091045.D
 Acq: 5 Nov 2016 2:36

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Tgt Ion:166 Resp: 179242
 Ion Ratio Lower Upper
 166 100
 165 98.1 78.6 118.0
 167 13.0 11.1 16.7

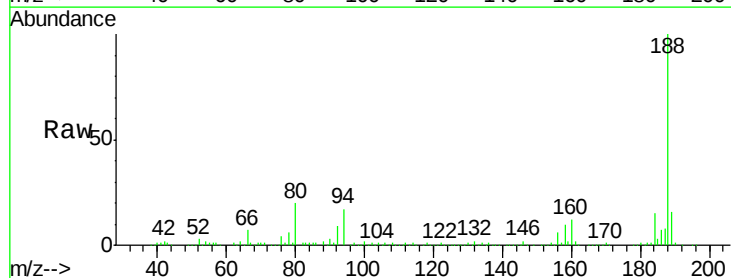


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

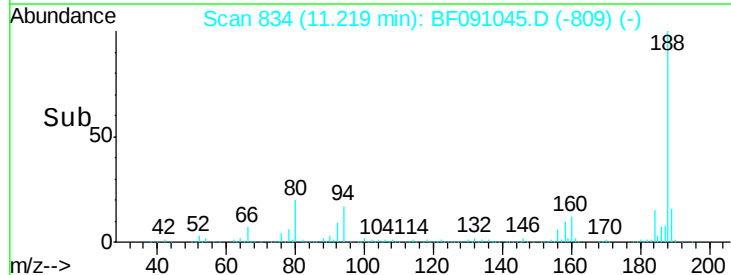
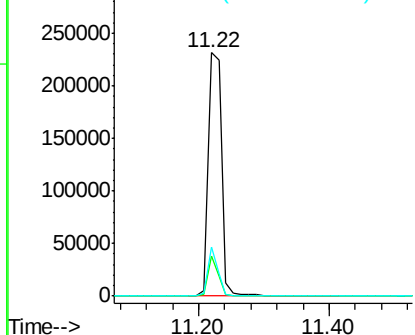


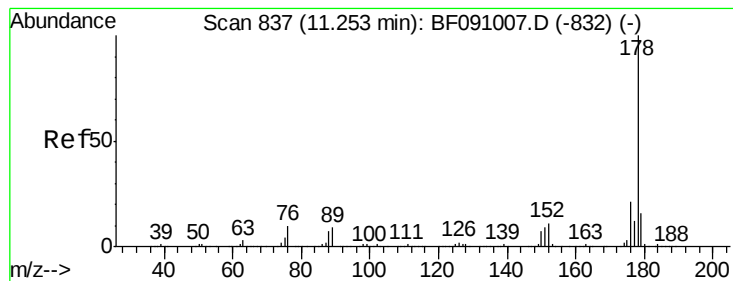
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: BF091045.D
 Acq: 5 Nov 2016 2:36

Tgt Ion:188 Resp: 333386
 Ion Ratio Lower Upper
 188 100
 94 16.5 7.0 10.4#
 80 20.1 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: 94.26 ng

RT: 11.25 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF091045.D

Acq: 5 Nov 2016 2:36

Instrument :

BNA_F

ClientSampleId :

S-1

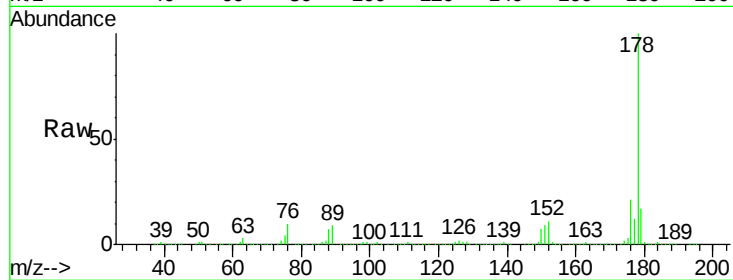
Tgt Ion:178 Resp: 1670625

Ion Ratio Lower Upper

178 100

176 21.4 16.6 25.0

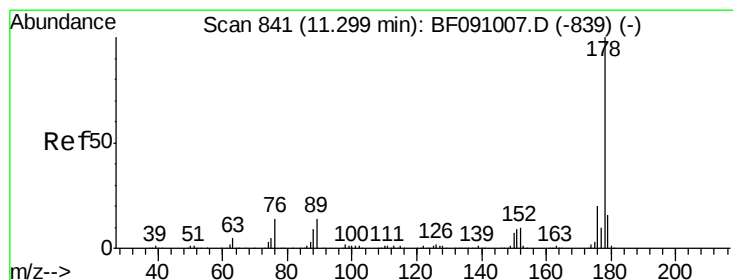
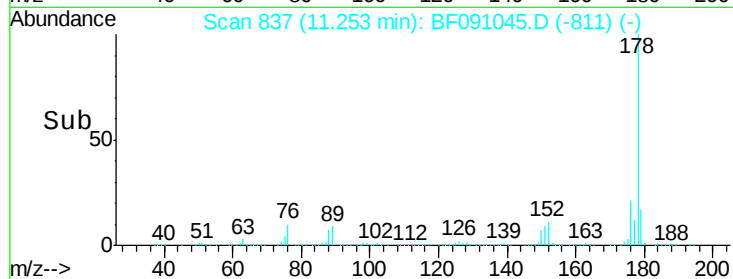
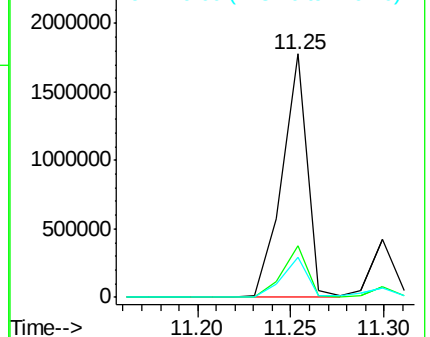
179 16.6 12.9 19.3



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



#71

Anthracene

Concen: 20.42 ng

RT: 11.30 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF091045.D

Acq: 5 Nov 2016 2:36

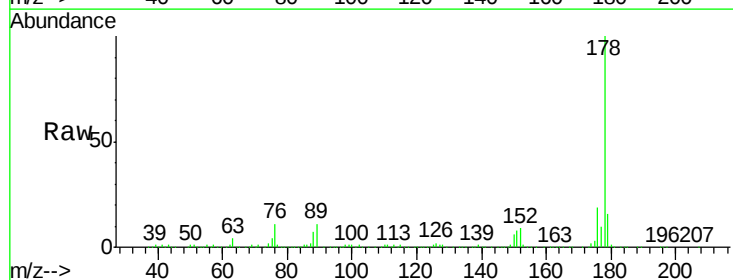
Tgt Ion:178 Resp: 384813

Ion Ratio Lower Upper

178 100

176 19.1 16.0 24.0

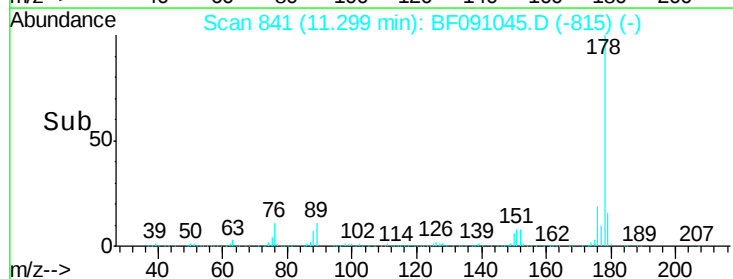
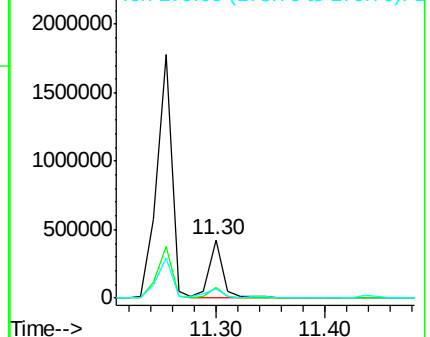
179 15.8 13.0 19.6

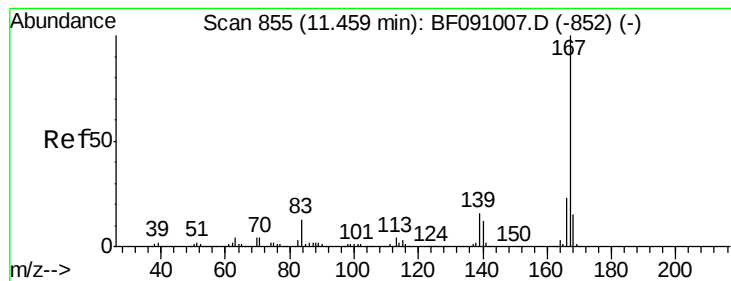


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 8.09 ng

RT: 11.46 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF091045.D

Acq: 5 Nov 2016 2:36

Instrument :

BNA_F

ClientSampleId :

S-1

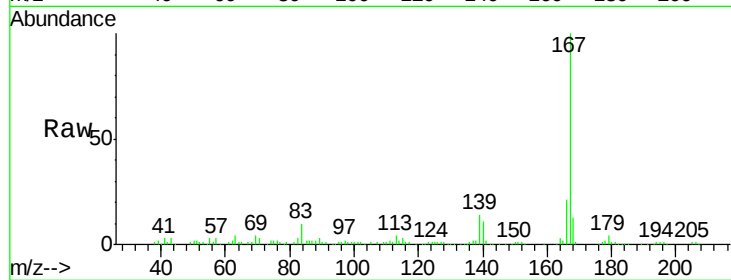
Tgt Ion:167 Resp: 137426

Ion Ratio Lower Upper

167 100

166 20.9 18.0 27.0

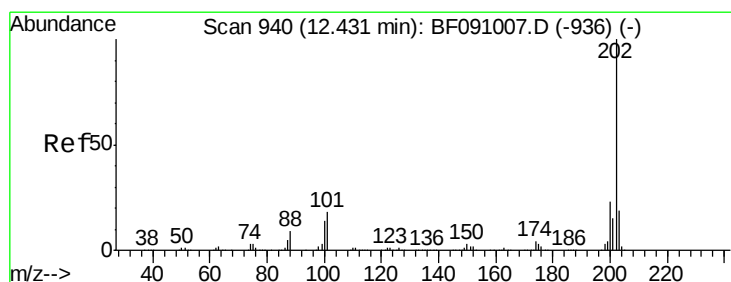
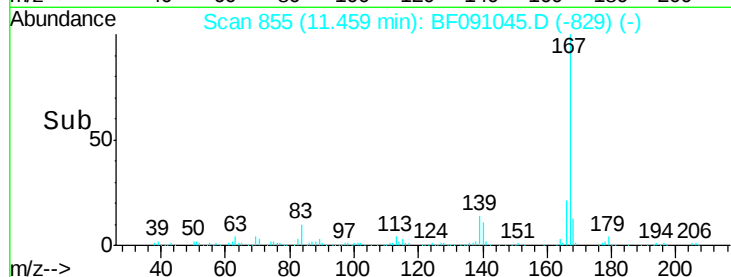
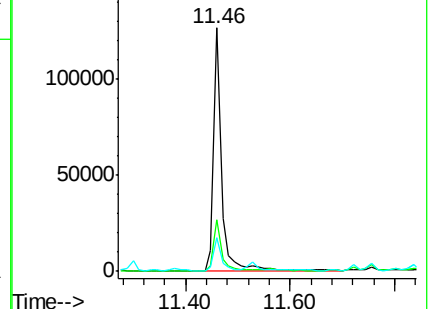
139 14.0 12.6 18.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 107.37 ng

RT: 12.44 min Scan# 941

Delta R.T. 0.01 min

Lab File: BF091045.D

Acq: 5 Nov 2016 2:36

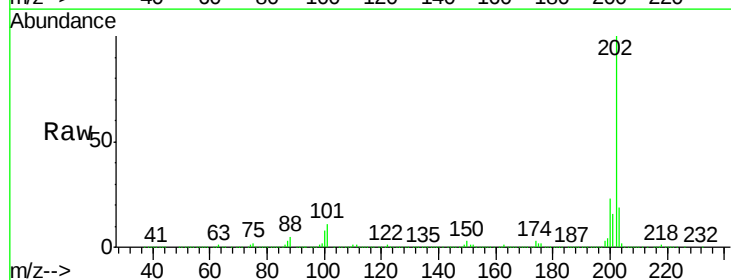
Tgt Ion:202 Resp: 1973497

Ion Ratio Lower Upper

202 100

101 10.7 0.0 37.6

203 18.9 0.0 38.6



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

