

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
 Data File : BF093783.D
 Acq On : 21 Mar 2017 00:00
 Operator : SJ/MA
 Sample : I2318-07 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HP-PW-01

Quant Time: Mar 21 01:07:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 16:03:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	219748	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	792281	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	411271	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	644434	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	403016	20.00	ng	-0.02
86) Perylene-d12	15.39	264	379233	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	154689	12.31	ng	-0.02
7) Phenol-d6	6.46	99	205375	13.23	ng	-0.02
23) Nitrobenzene-d5	7.40	82	112573	8.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	32161	10.10	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	235884	9.64	ng	-0.01
78) Terphenyl-d14	12.93	244	160917	8.14	ng	-0.02

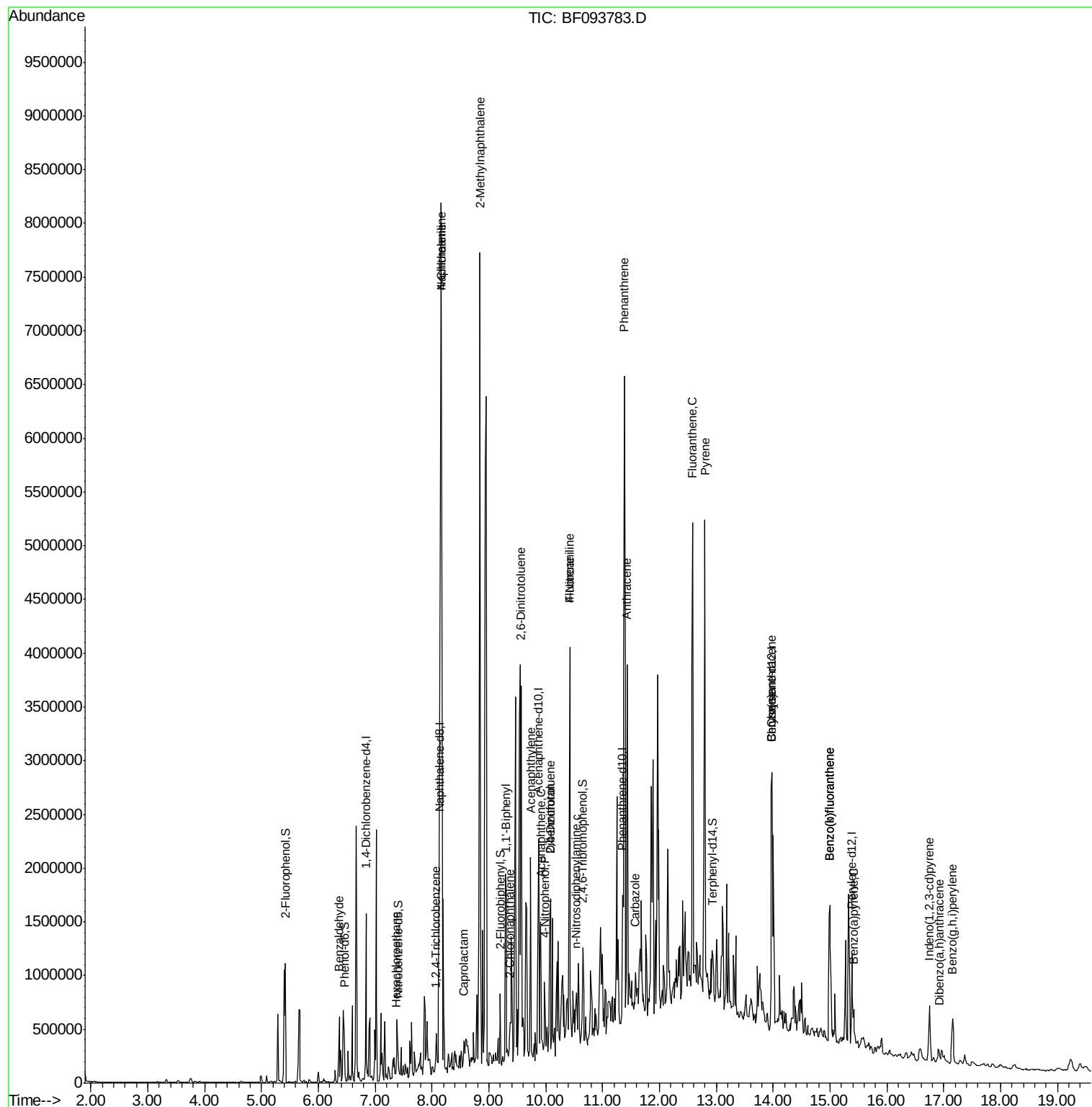
Target Compounds						Qvalue
9) Benzaldehyde	6.37	77	43606	3.97	ng	# 1
18) Hexachloroethane	7.37	117	55020	9.70	ng	# 1
30) 1,2,4-Trichlorobenzene	8.07	180	107680	9.82	ng	99
31) Naphthalene	8.16	128	8079366	219.70	ng	96
33) 4-Chloroaniline	8.16	127	1182558	74.83	ng	# 33
35) Caprolactam	8.56	113	8472	2.55	ng	# 1
37) 2-Methylnaphthalene	8.85	142	3061682	127.54	ng	97
45) 1,1'-Biphenyl	9.30	154	759442	22.72	ng	98
46) 2-Chloronaphthalene	9.37	162	83835	3.27	ng	# 50
48) Acenaphthylene	9.74	152	533659	12.80	ng	# 93
50) 2,6-Dinitrotoluene	9.57	165	15213	2.37	ng	# 1
51) Acenaphthene	9.91	154	257776	10.35	ng	# 89
54) Dibenzofuran	10.08	168	406003	12.11	ng	# 88
55) 4-Nitrophenol	9.98	139	16070	2.77	ng	# 71
56) 2,4-Dinitrotoluene	10.08	165	32980	4.04	ng	# 52
57) Fluorene	10.42	166	1258821	49.03	ng	98
61) 4-Nitroaniline	10.42	138	14081	2.04	ng	# 37
65) n-Nitrosodiphenylamine	10.54	169	79701	3.71	ng	# 68
70) Phenanthrene	11.38	178	3829916	111.59	ng	98
71) Anthracene	11.43	178	1195194	33.82	ng	99
72) Carbazole	11.58	167	145907	4.17	ng	99
74) Fluoranthene	12.58	202	2335014	66.19	ng	99
77) Pyrene	12.80	202	2691175	80.24	ng	99
80) Benzo(a)anthracene	13.97	228	1091054	43.22	ng	95
82) Chrysene	13.97	228	1091054	43.26	ng	98
85) Indeno(1,2,3-cd)pyrene	16.75	276	320116	15.50	ng	95
87) Benzo(b)fluoranthene	15.00	252	1102559	43.13	ng	# 97
88) Benzo(k)fluoranthene	15.00	252	1102559	58.40	ng	98
89) Benzo(a)pyrene	15.42	252	156581	7.55	ng	96
90) Dibenzo(a,h)anthracene	16.92	278	81390	4.73	ng	97
91) Benzo(g,h,i)perylene	17.16	276	301866	17.67	ng	98

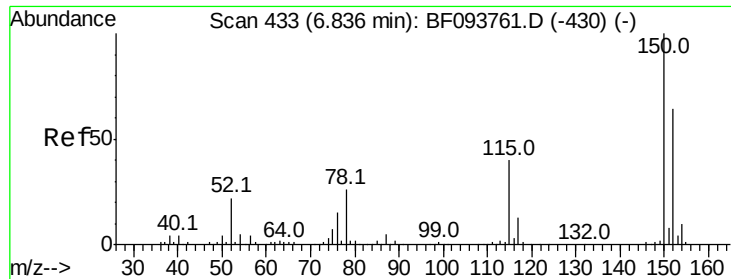
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

Instrument :

BNA_F

ClientSampleId :

HP-PW-01

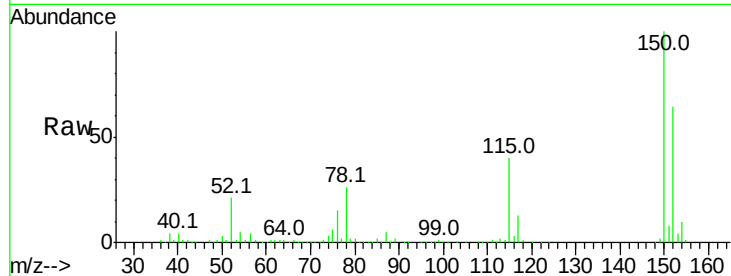
Tot Ion:152 Resp: 219748

Ion Ratio Lower Upper

152 100

150 155.5 126.2 189.2

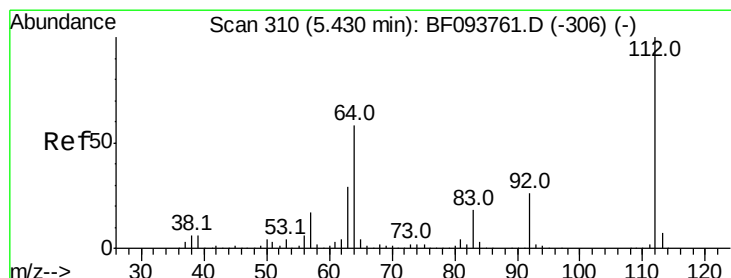
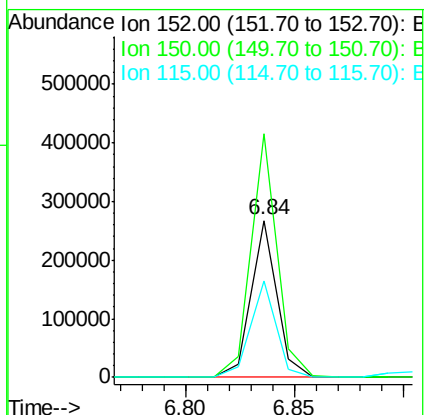
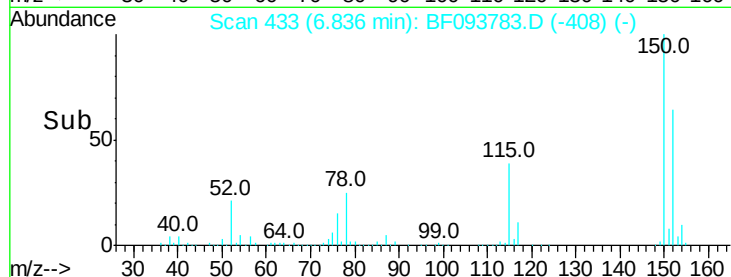
115 61.9 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 12.31 ng

RT: 5.42 min Scan# 309

Delta R.T. -0.02 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

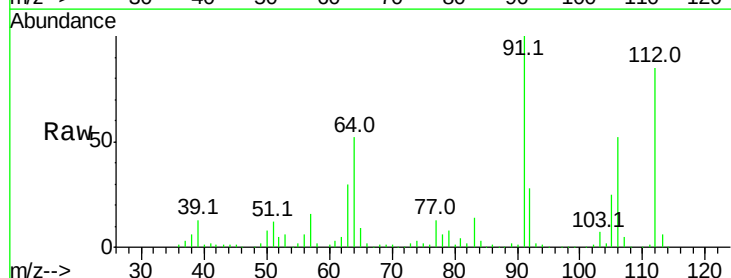
Tgt Ion:112 Resp: 154689

Ion Ratio Lower Upper

112 100

64 61.2 46.0 69.0

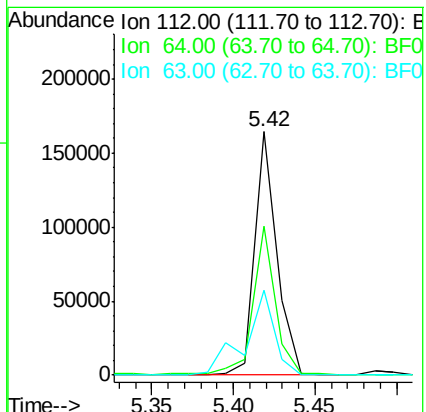
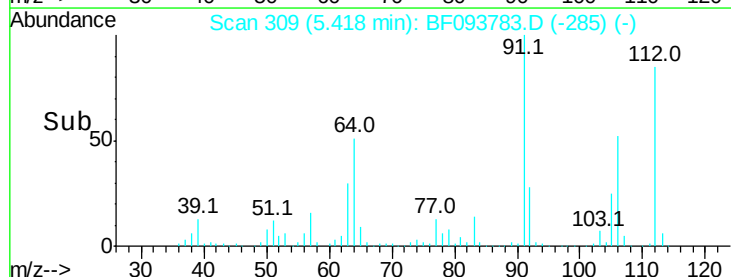
63 35.0 23.4 35.0

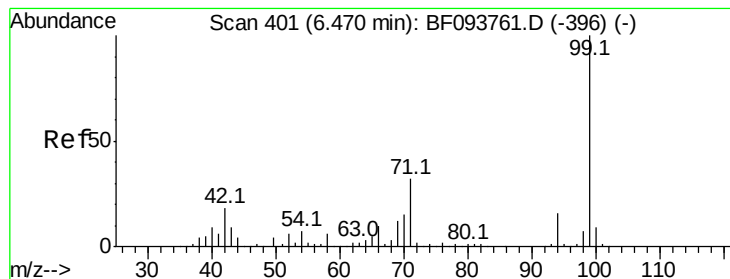


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 13.23 ng

RT: 6.46 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

Instrument :

BNA_F

ClientSampleId :

HP-PW-01

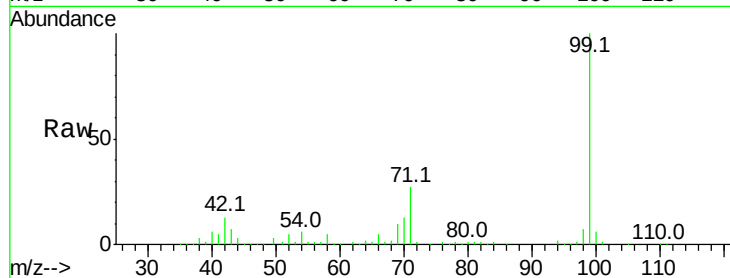
Tot Ion: 99 Resp: 205375

Ion Ratio Lower Upper

99 100

42 13.4 13.5 20.3#

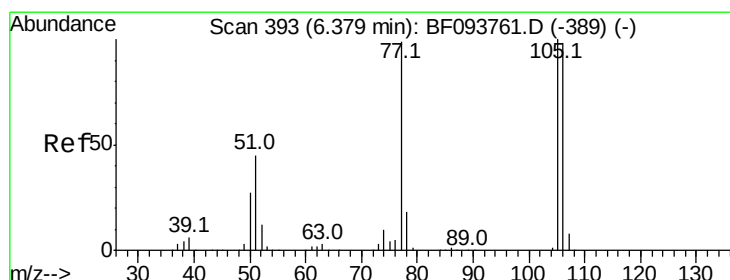
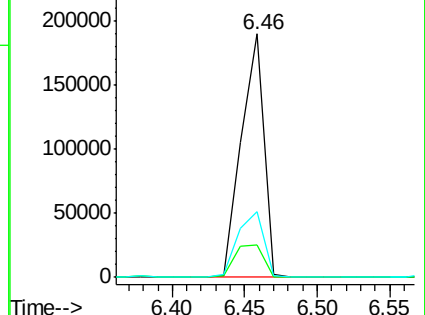
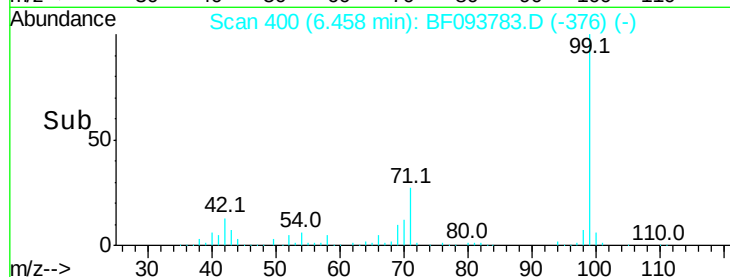
71 27.1 24.5 36.7



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



#9

Benzaldehyde

Concen: 3.97 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.02 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

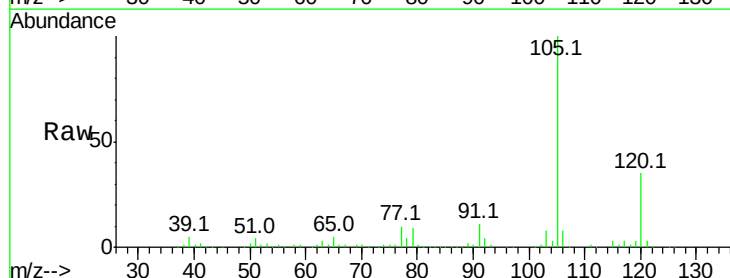
Tgt Ion: 77 Resp: 43606

Ion Ratio Lower Upper

77 100

105 959.6 83.8 123.8#

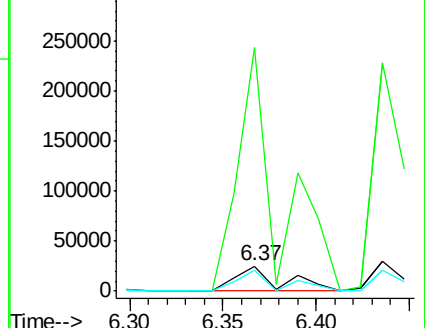
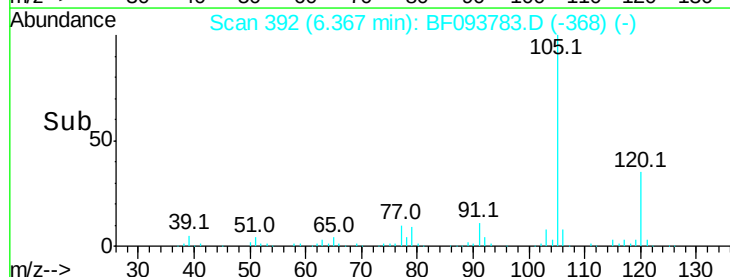
106 81.0 79.1 119.1

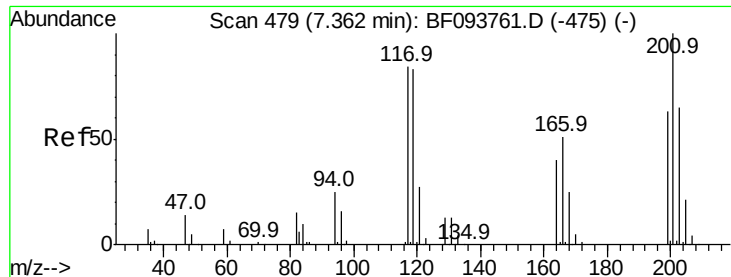


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

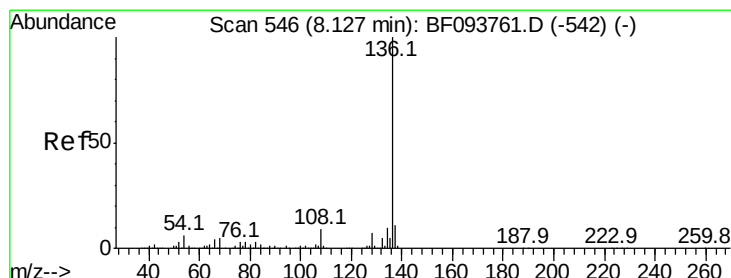
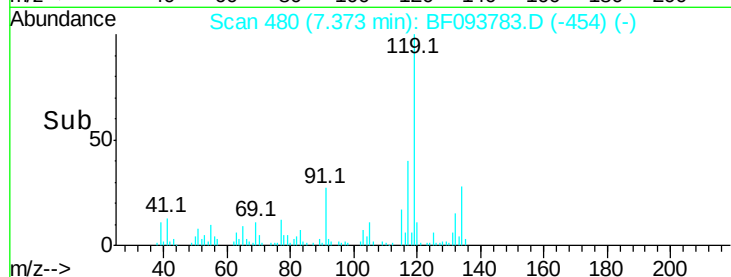
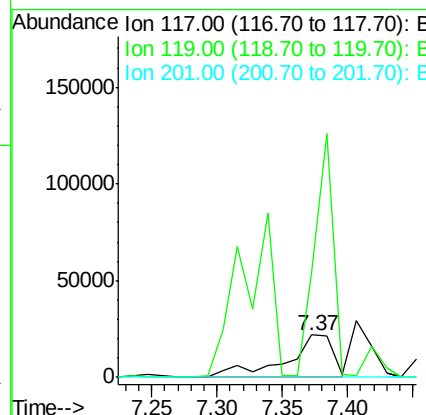
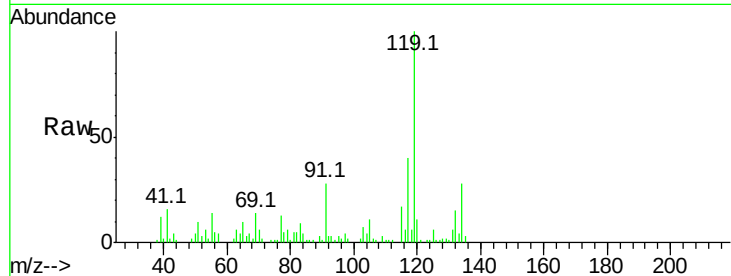




#18
Hexachloroethane
Concen: 9.70 ng
RT: 7.37 min Scan# 480
Delta R.T. -0.00 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

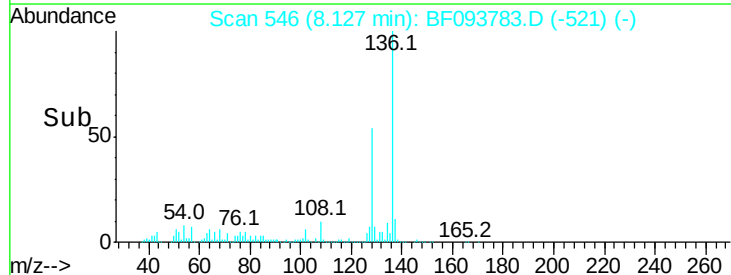
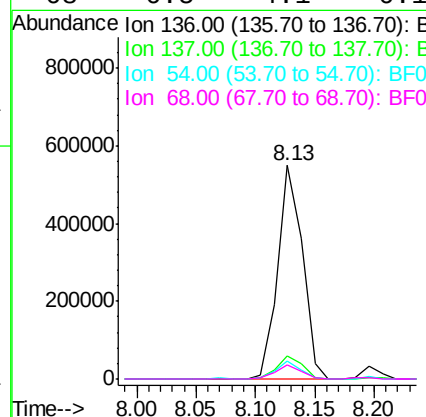
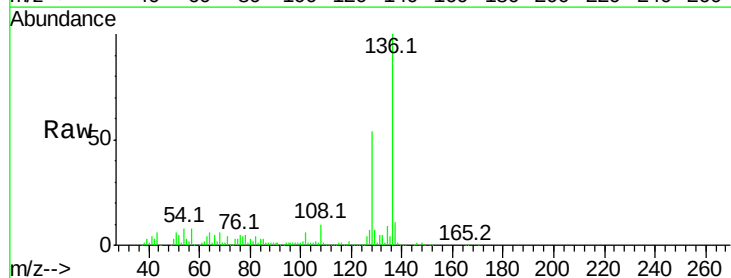
Instrument :
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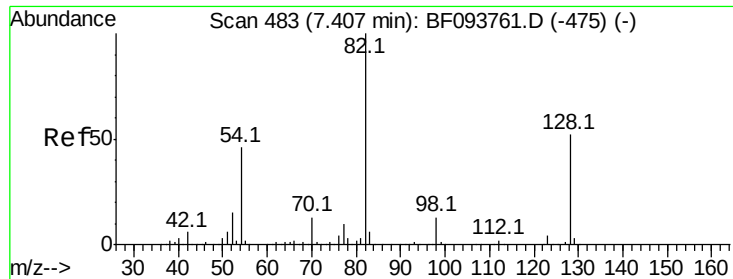
Tot Ion:117 Resp: 55020
Ion Ratio Lower Upper
117 100
119 247.4 77.4 116.0#
201 0.0 94.6 141.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

Tgt Ion:136 Resp: 792281
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 8.3 4.9 7.3#
68 6.5 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 8.06 ng

RT: 7.40 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

Instrument :

BNA_F

ClientSampleId :

HP-PW-01

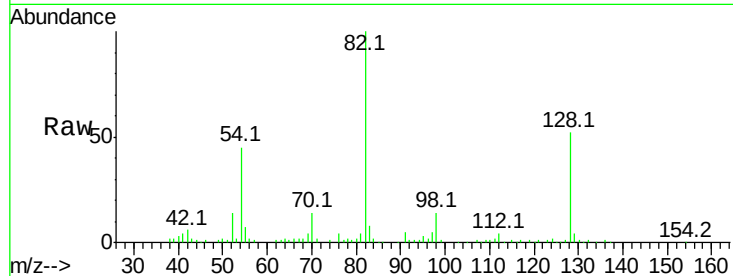
Tot Ion: 82 Resp: 112573

Ion Ratio Lower Upper

82 100

128 52.2 34.0 51.0#

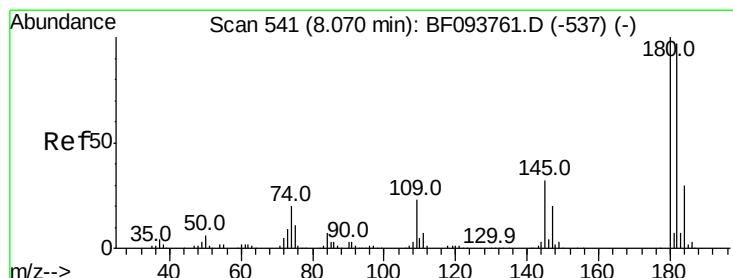
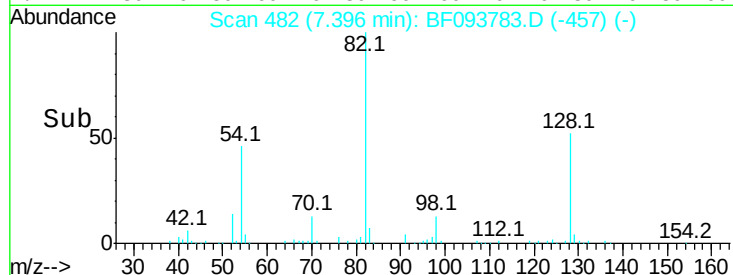
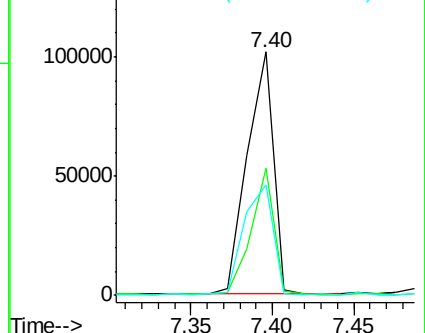
54 45.3 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF093783.D (-457) (-)

Ion 128.00 (127.70 to 128.70): BF093783.D (-457) (-)

Ion 54.00 (53.70 to 54.70): BF093783.D (-457) (-)



#30

1,2,4-Trichlorobenzene

Concen: 9.82 ng

RT: 8.07 min Scan# 541

Delta R.T. -0.01 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

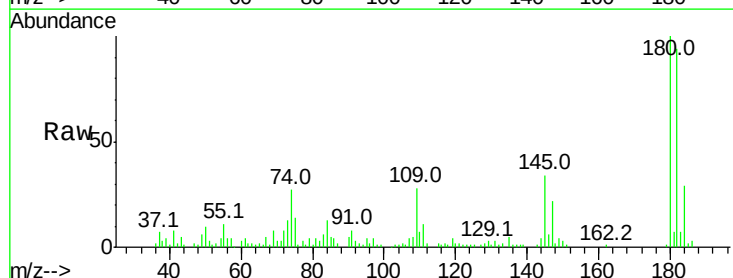
Tgt Ion:180 Resp: 107680

Ion Ratio Lower Upper

180 100

182 94.3 75.8 113.6

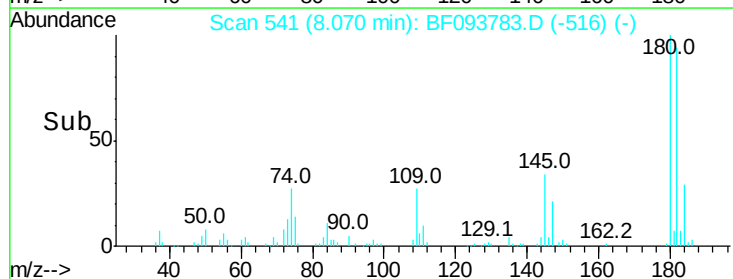
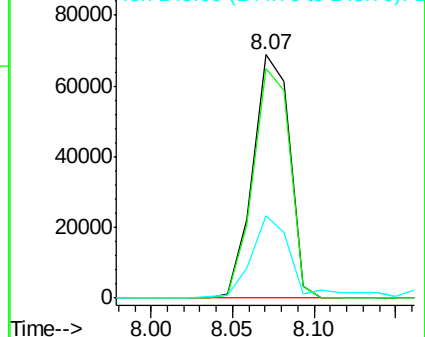
145 33.6 25.3 37.9

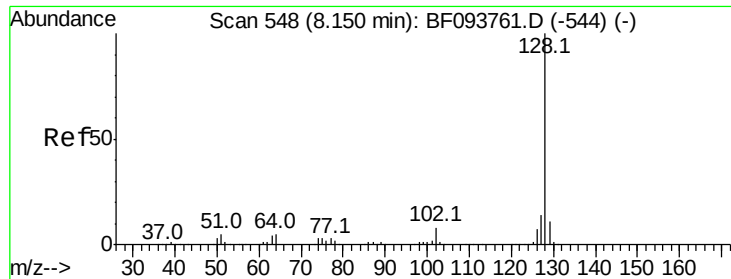


Abundance Ion 180.00 (179.70 to 180.70): BF093783.D (-516) (-)

Ion 182.00 (181.70 to 182.70): BF093783.D (-516) (-)

Ion 145.00 (144.70 to 145.70): BF093783.D (-516) (-)

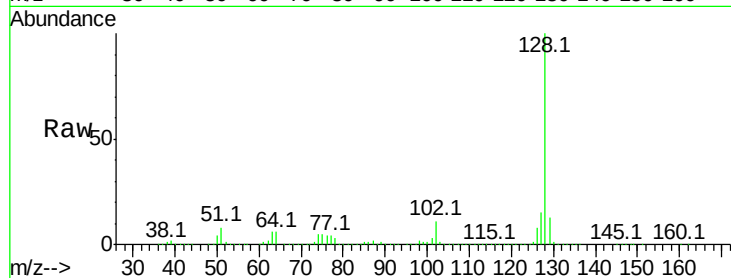




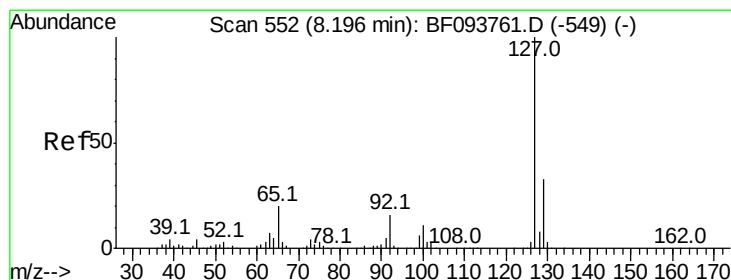
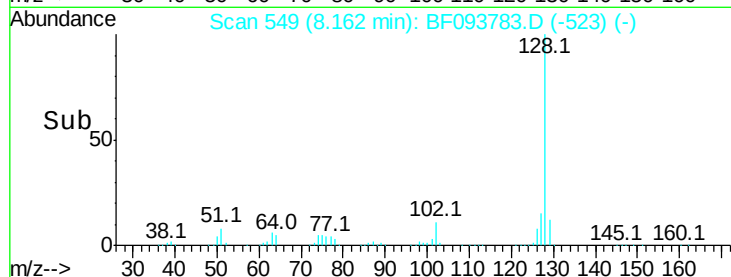
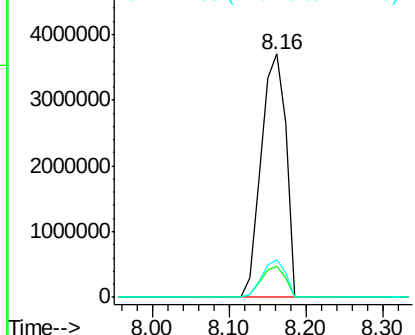
#31
Naphthalene
Concen: 219.70 ng
RT: 8.16 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

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Tot Ion:128 Resp: 8079366
Ion Ratio Lower Upper
128 100
129 12.7 9.0 13.6
127 15.2 10.8 16.2

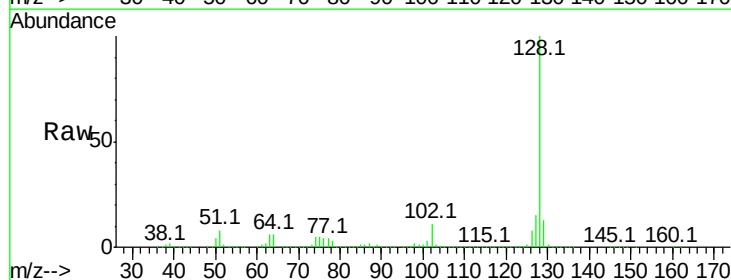


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

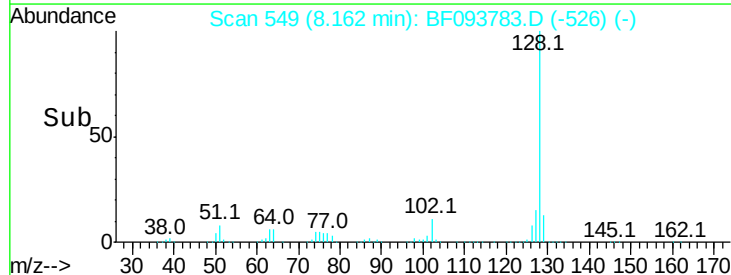
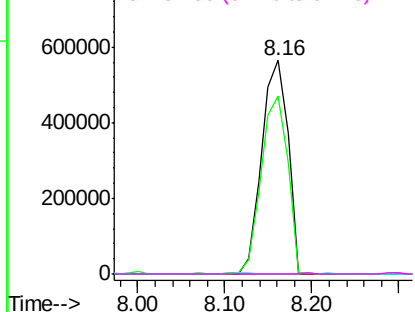


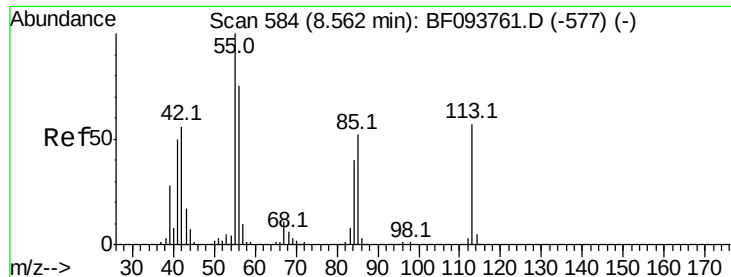
#33
4-Chloroaniline
Concen: 74.83 ng
RT: 8.16 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

Tgt Ion:127 Resp: 1182558
Ion Ratio Lower Upper
127 100
129 83.1 26.2 39.2#
65 0.0 27.8 41.8#
92 0.1 16.8 25.2#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 2.55 ng

RT: 8.56 min Scan# 584

Delta R.T. -0.01 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

Instrument :

BNA_F

ClientSampleId :

HP-PW-01

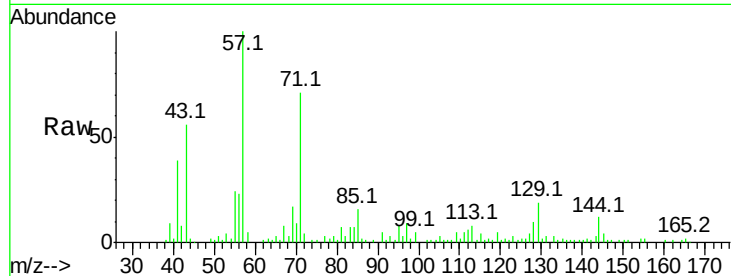
Tot Ion:113 Resp: 8472

Ion Ratio Lower Upper

113 100

55 305.0 150.2 190.2#

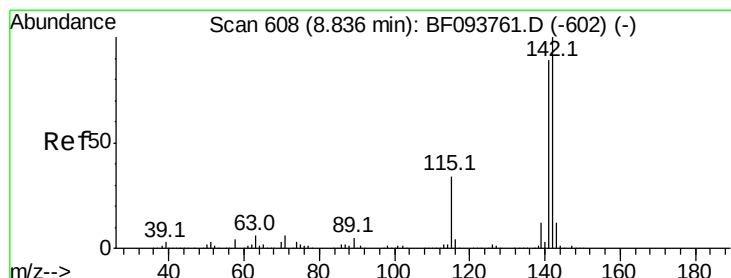
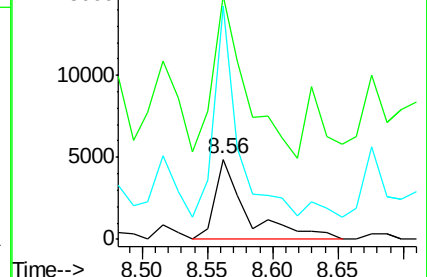
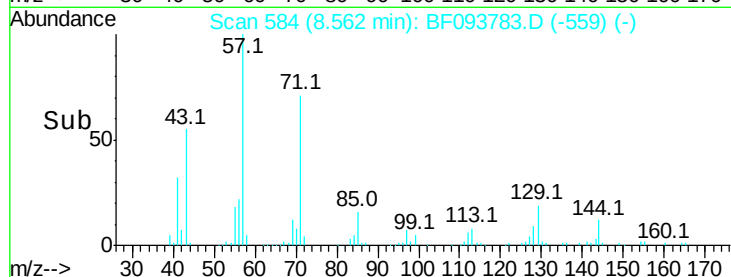
56 293.0 107.8 147.8#



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: 127.54 ng

RT: 8.85 min Scan# 609

Delta R.T. 0.00 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

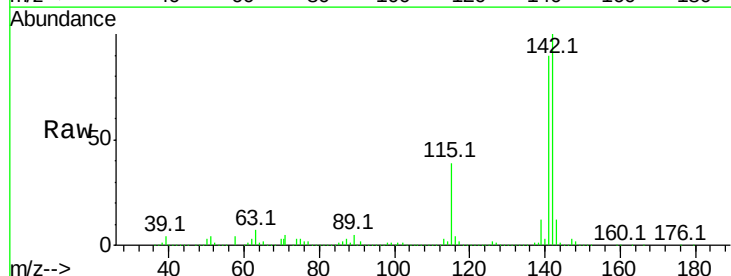
Tgt Ion:142 Resp: 3061682

Ion Ratio Lower Upper

142 100

141 90.1 71.3 106.9

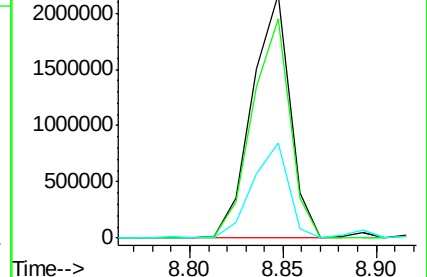
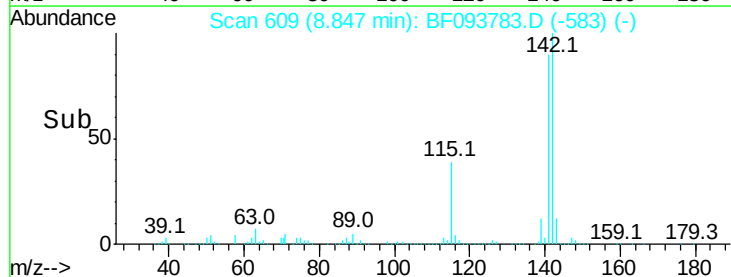
115 39.0 27.1 40.7

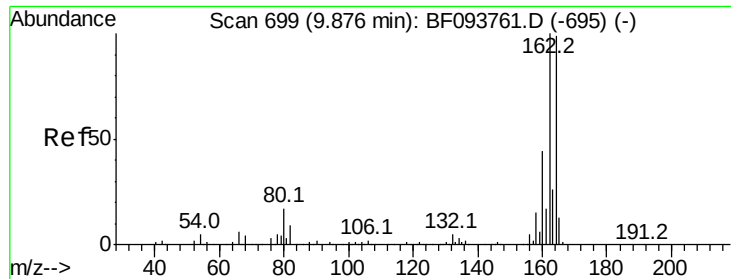


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

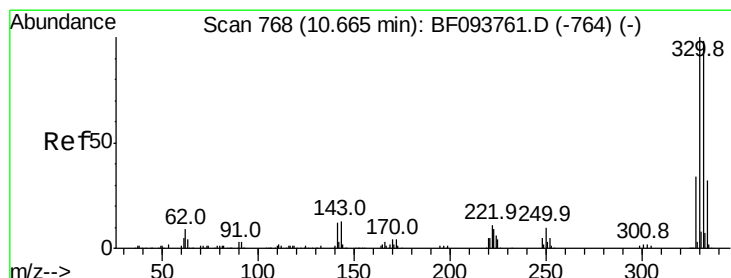
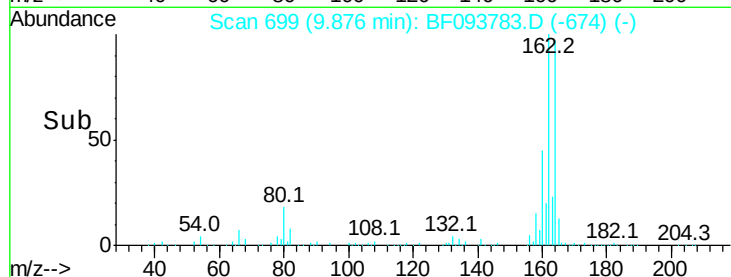
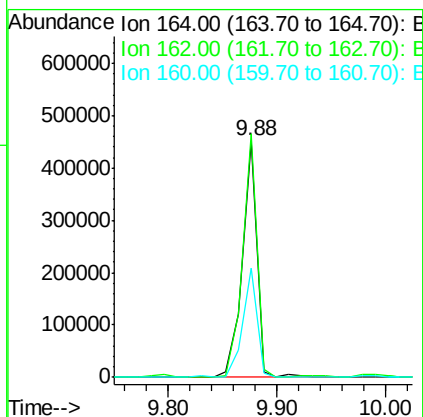
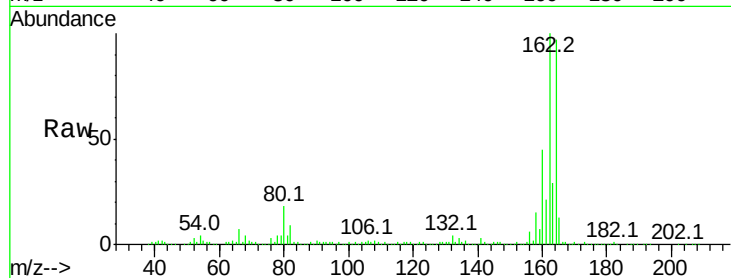




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

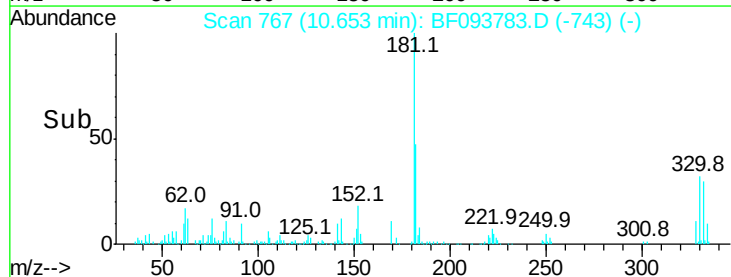
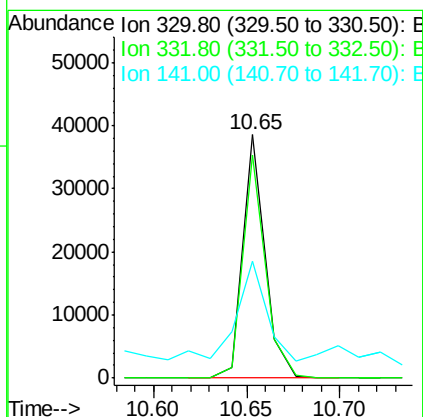
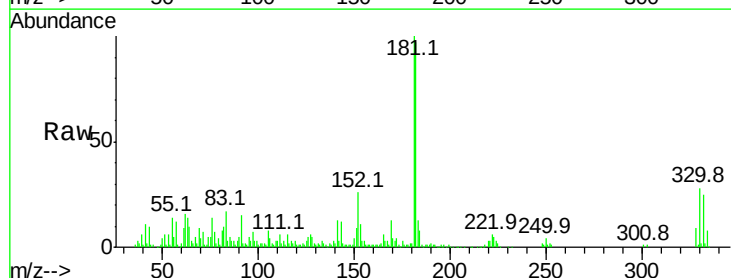
Instrument :
BNA_F
ClientSampleId :
HP-PW-01

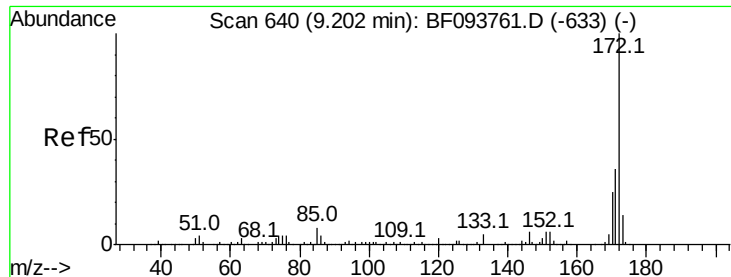
Tot Ion:164 Resp: 411271
Ion Ratio Lower Upper
164 100
162 103.0 82.6 123.8
160 46.0 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 10.10 ng
RT: 10.65 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

Tgt Ion:330 Resp: 32161
Ion Ratio Lower Upper
330 100
332 92.6 76.6 115.0
141 54.9 31.4 47.2#





#44

2-Fluorobiphenyl

Concen: 9.64 ng

RT: 9.20 min Scan# 640

Delta R.T. -0.01 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

Instrument :

BNA_F

ClientSampleId :

HP-PW-01

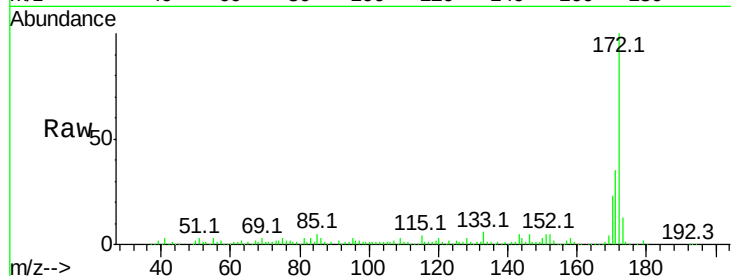
Tot Ion:172 Resp: 235884

Ion Ratio Lower Upper

172 100

171 35.2 29.6 44.4

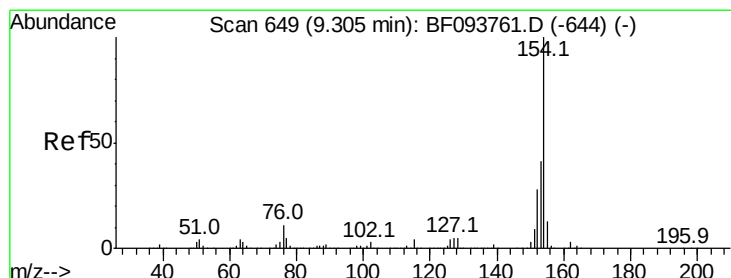
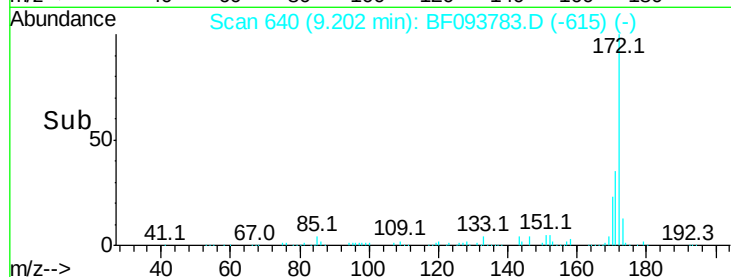
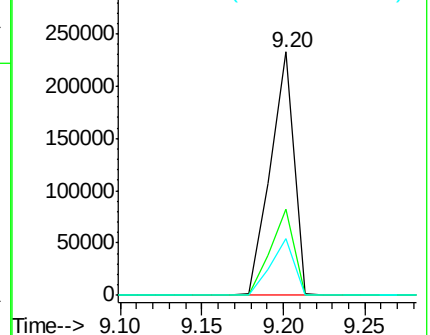
170 23.2 19.8 29.8



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



#45

1,1'-Biphenyl

Concen: 22.72 ng

RT: 9.30 min Scan# 649

Delta R.T. -0.01 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

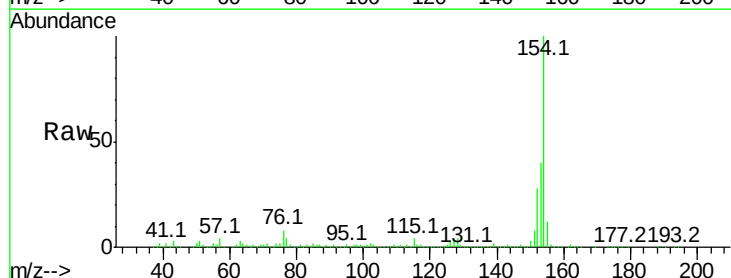
Tgt Ion:154 Resp: 759442

Ion Ratio Lower Upper

154 100

153 39.9 21.2 61.2

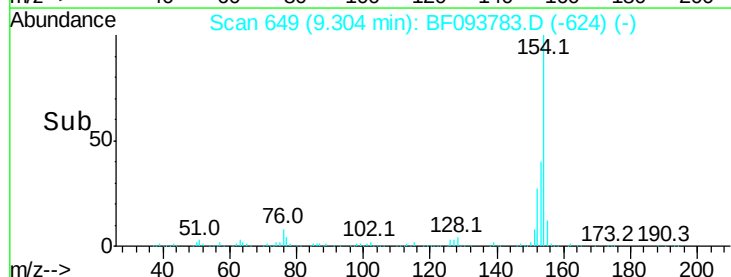
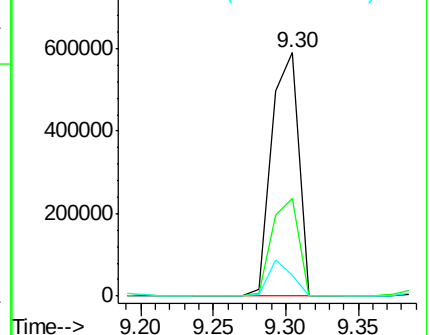
76 8.3 0.0 29.9

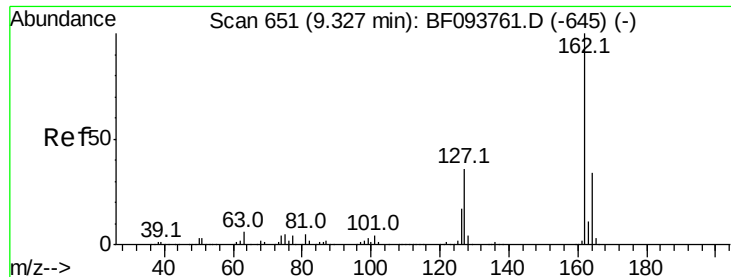


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

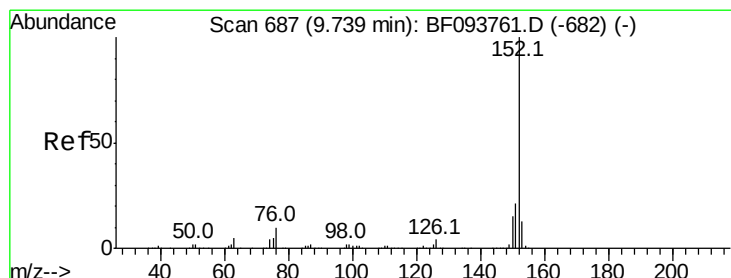
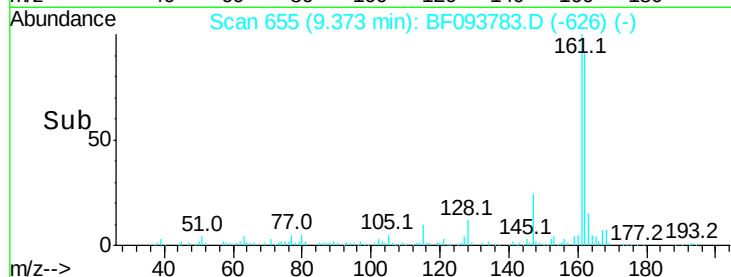
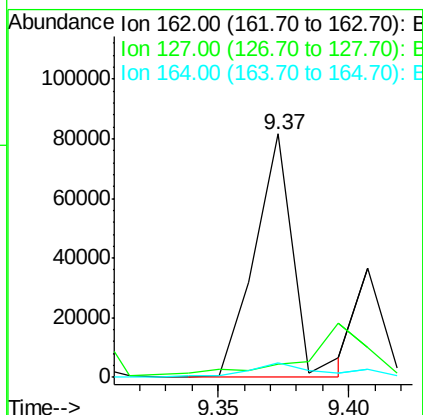
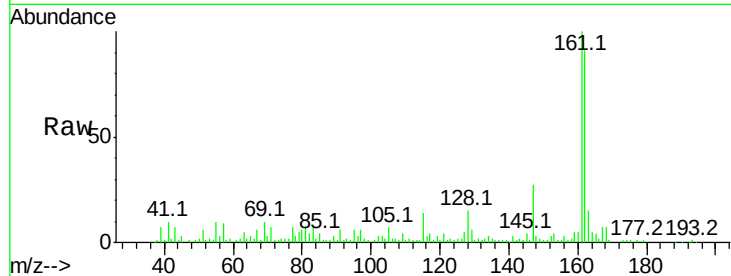




#46
2-Chloronaphthalene
Concen: 3.27 ng
RT: 9.37 min Scan# 655
Delta R.T. 0.03 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

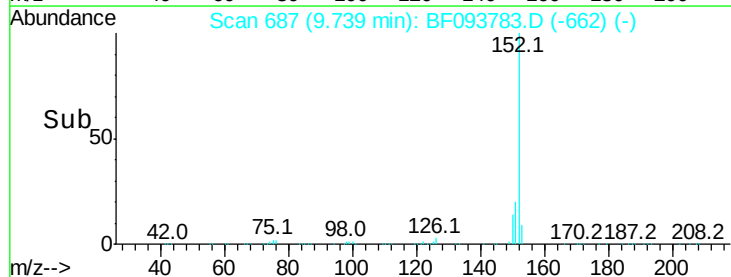
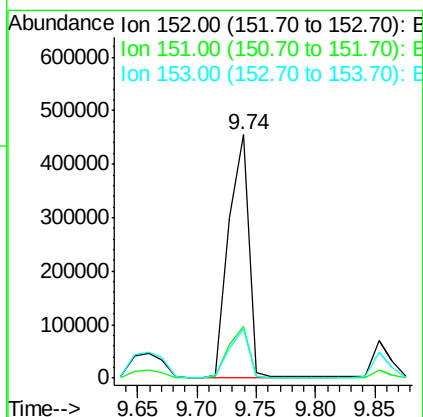
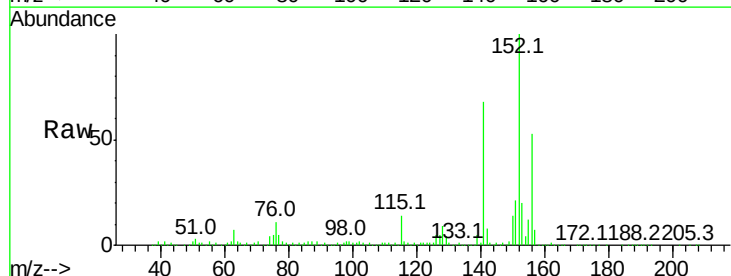
Instrument :
BNA_F
ClientSampleId :
HP-PW-01

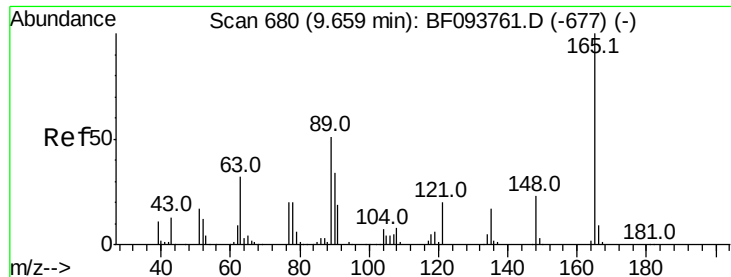
Tot Ion	Ratio	Lower	Upper
162	100		
127	5.3	28.3	42.5#
164	6.0	27.0	40.4#



#48
Acenaphthylene
Concen: 12.80 ng
RT: 9.74 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.8	25.2
153	20.2	10.8	16.2#

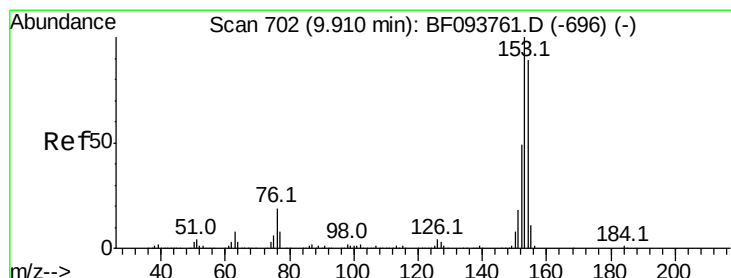
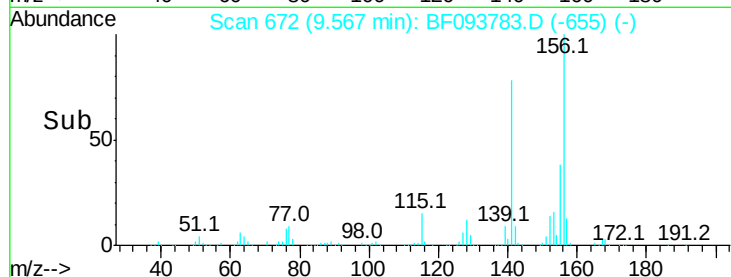
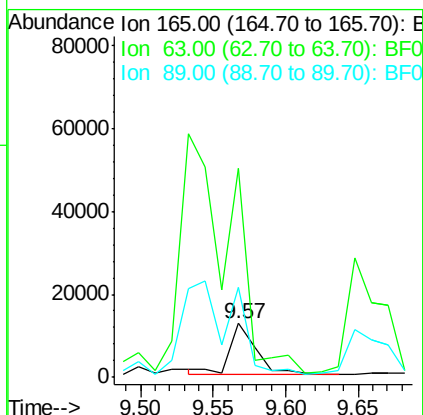
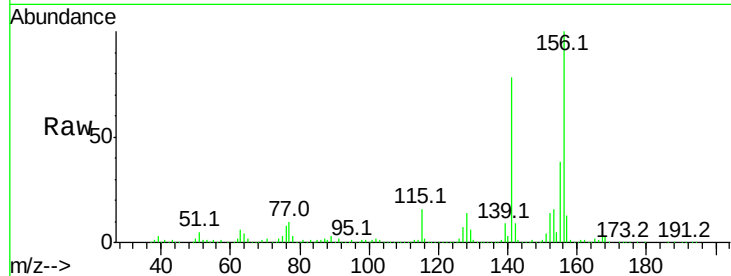




#50
 2,6-Dinitrotoluene
 Concen: 2.37 ng
 RT: 9.57 min Scan# 672
 Delta R.T. -0.10 min
 Lab File: BF093783.D
 Acq: 21 Mar 2017 00:00

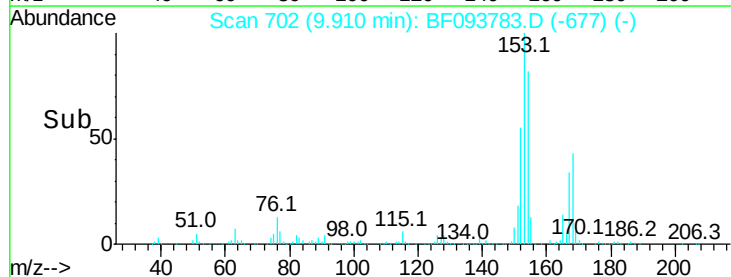
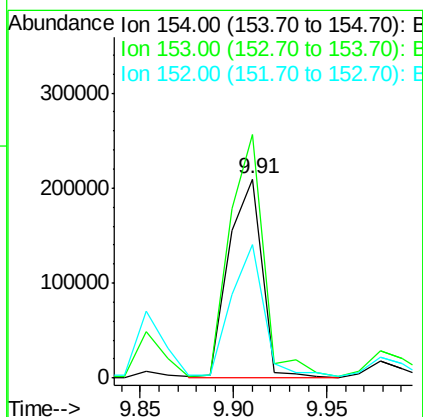
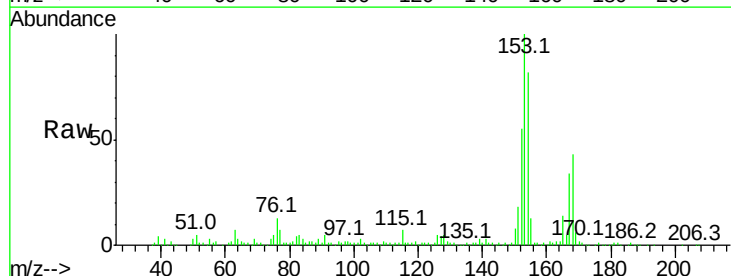
Instrument :
 BNA_F
 ClientSampleId :
 HP-PW-01

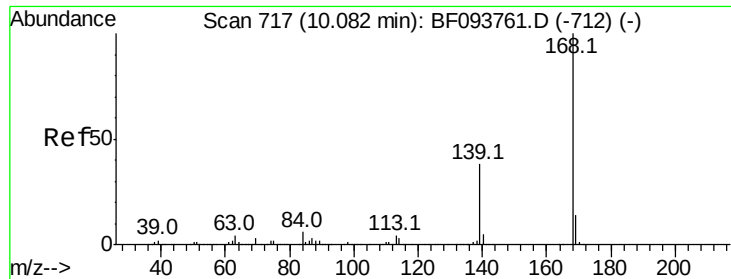
Tot Ion:165 Resp: 15213
 Ion Ratio Lower Upper
 165 100
 63 388.9 34.3 51.5#
 89 166.7 37.1 55.7#



#51
 Acenaphthene
 Concen: 10.35 ng
 RT: 9.91 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: BF093783.D
 Acq: 21 Mar 2017 00:00

Tgt Ion:154 Resp: 257776
 Ion Ratio Lower Upper
 154 100
 153 122.3 90.5 135.7
 152 66.8 43.6 65.4#

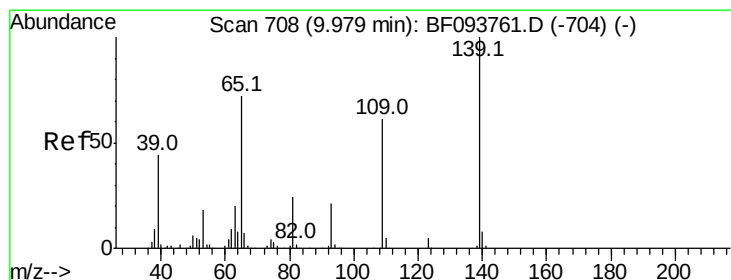
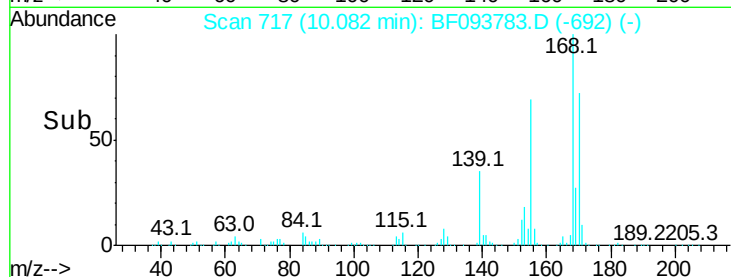
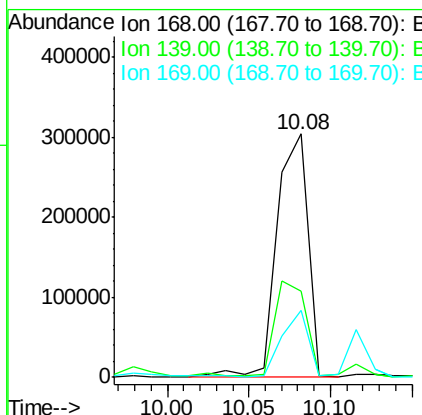
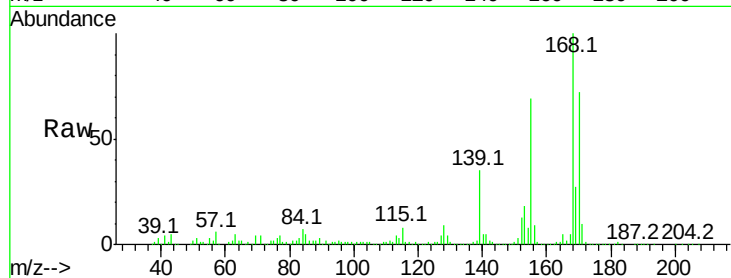




#54
Dibenzofuran
Concen: 12.11 ng
RT: 10.08 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

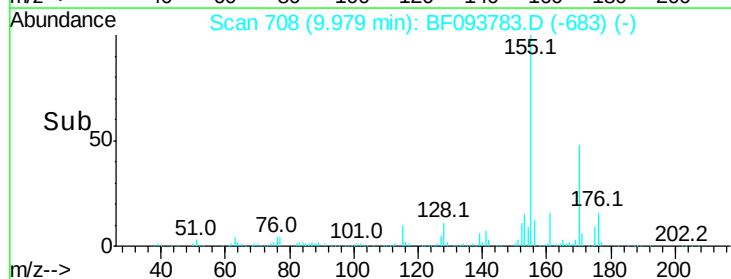
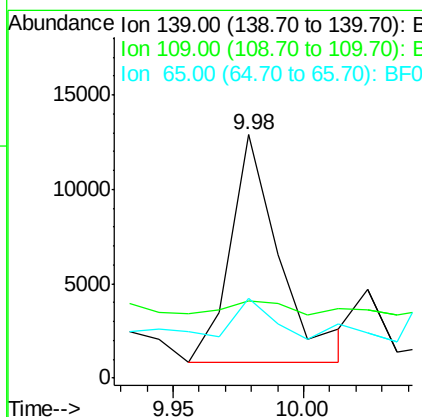
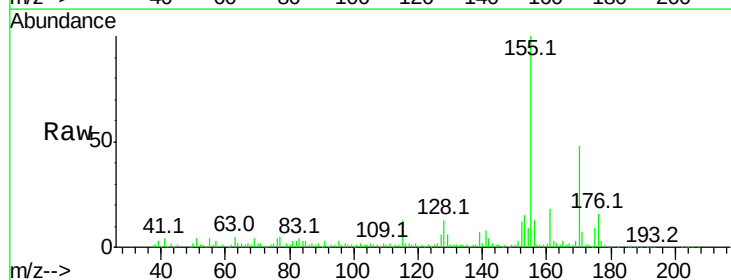
Instrument :
BNA_F
ClientSampleId :
HP-PW-01

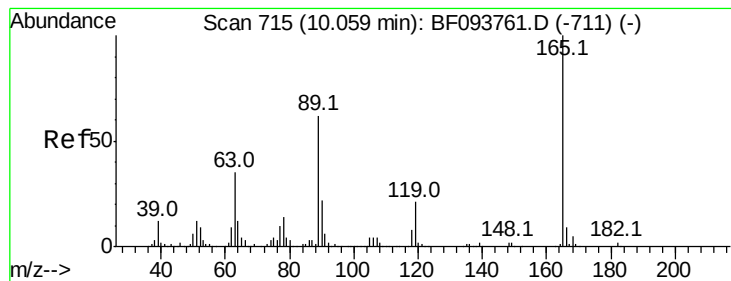
Tot Ion:168 Resp: 406003
Ion Ratio Lower Upper
168 100
139 35.4 30.6 45.8
169 27.3 10.8 16.2#



#55
4-Nitrophenol
Concen: 2.77 ng
RT: 9.98 min Scan# 708
Delta R.T. -0.01 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

Tgt Ion:139 Resp: 16070
Ion Ratio Lower Upper
139 100
109 31.5 34.1 74.1#
65 32.9 31.4 71.4





#56

2,4-Dinitrotoluene

Concen: 4.04 ng

RT: 10.08 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

Instrument :

BNA_F

ClientSampleId :

HP-PW-01

Tot Ion:165 Resp: 32980

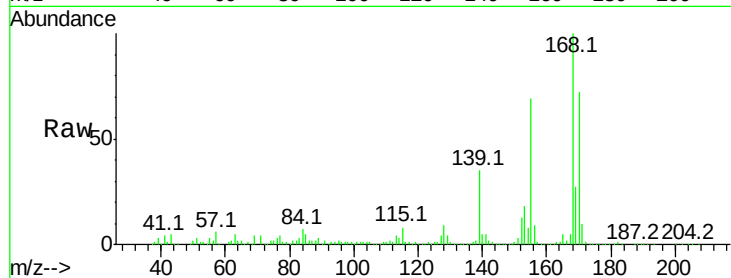
Ion Ratio Lower Upper

165 100

63 103.3 25.4 38.0#

89 61.2 46.4 69.6

182 17.5 1.8 2.6#



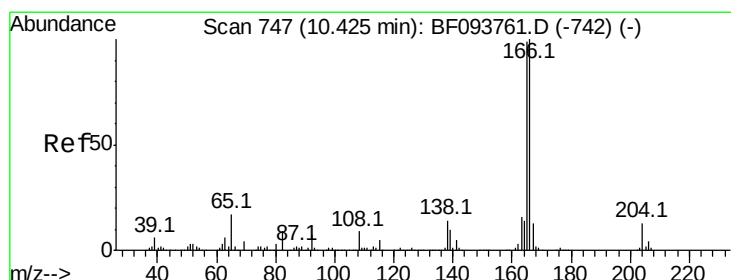
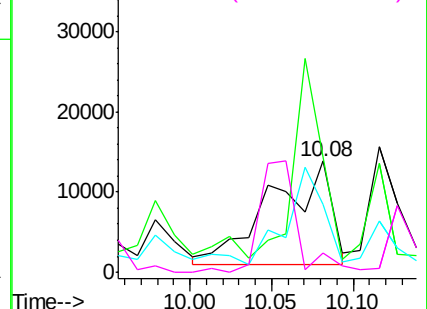
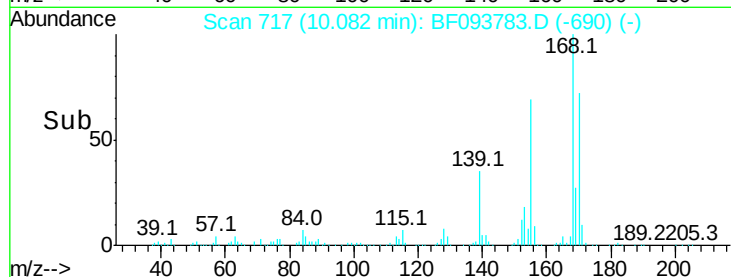
Abundance

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



#57

Fluorene

Concen: 49.03 ng

RT: 10.42 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

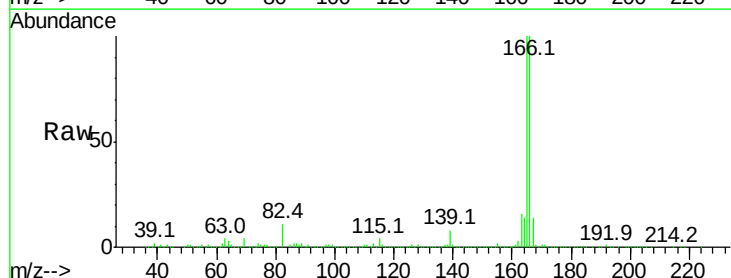
Tgt Ion:166 Resp: 1258821

Ion Ratio Lower Upper

166 100

165 100.1 78.8 118.2

167 13.7 10.6 16.0

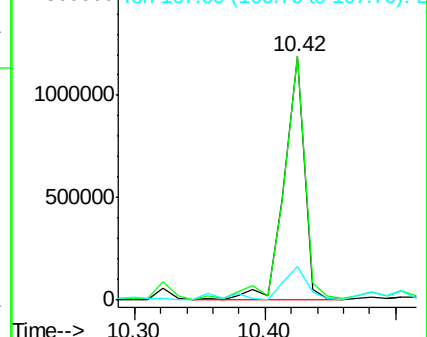
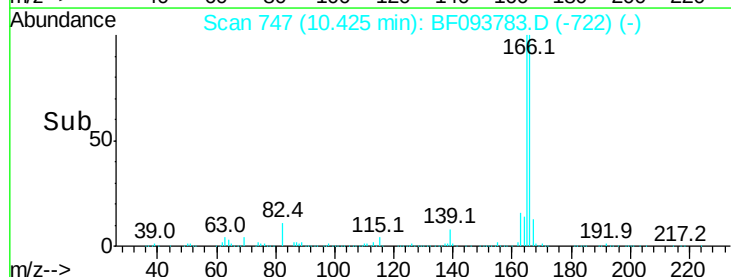


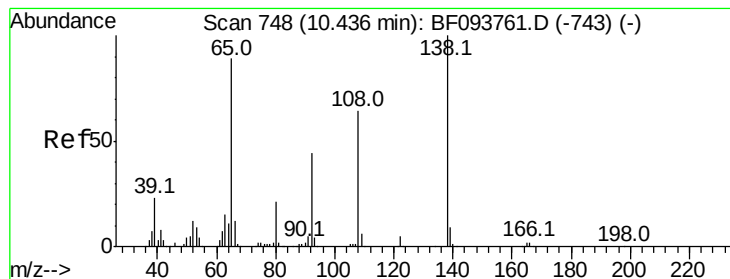
Abundance

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

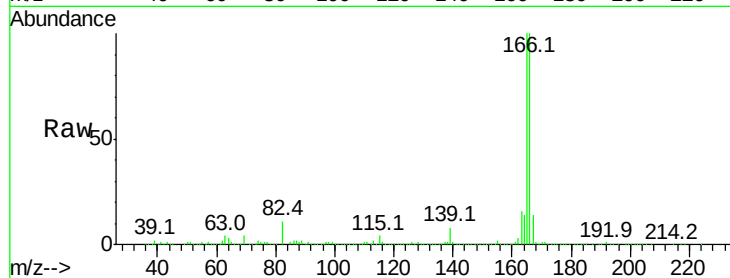




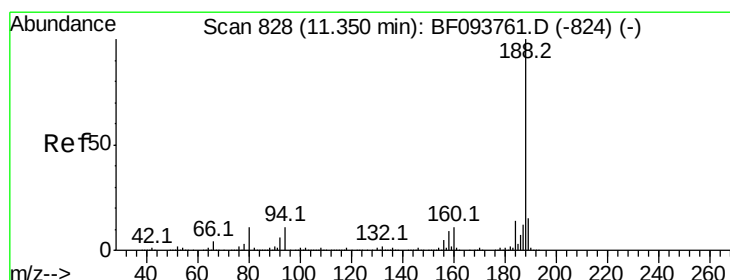
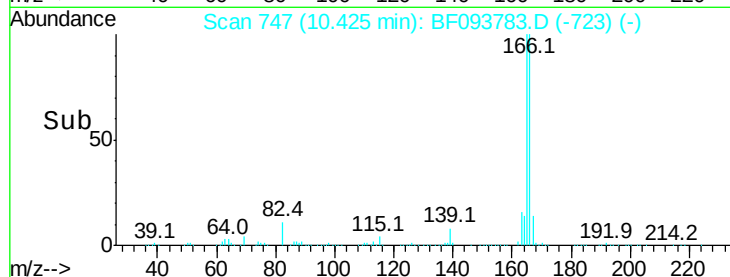
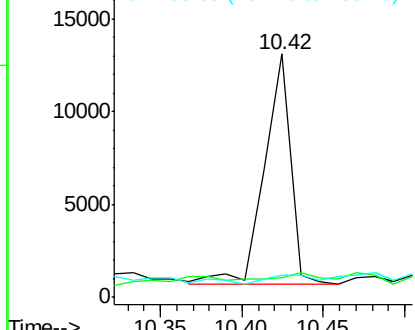
#61
4-Nitroaniline
Concen: 2.04 ng
RT: 10.42 min Scan# 747
Delta R.T. -0.02 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

Instrument :
BNA_F
ClientSampleId :
HP-PW-01

Tot Ion:138 Resp: 14081
Ion Ratio Lower Upper
138 100
92 8.0 21.8 61.8#
108 9.0 42.3 82.3#

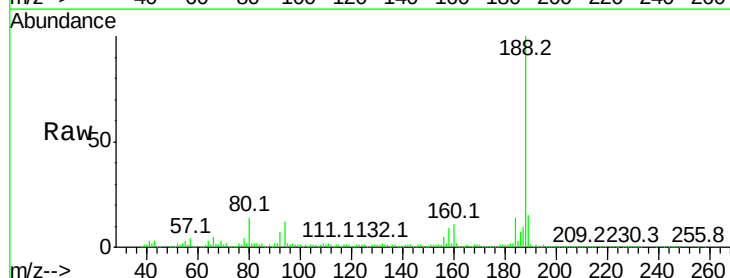


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

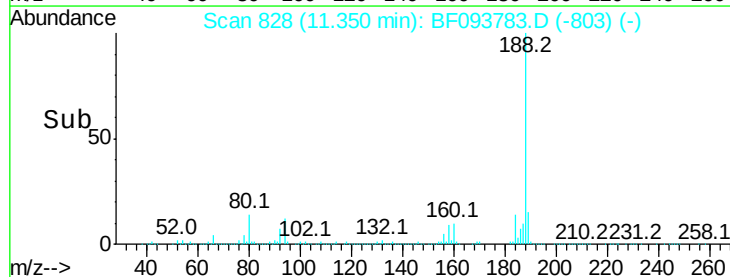
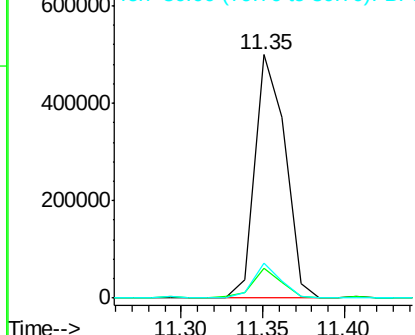


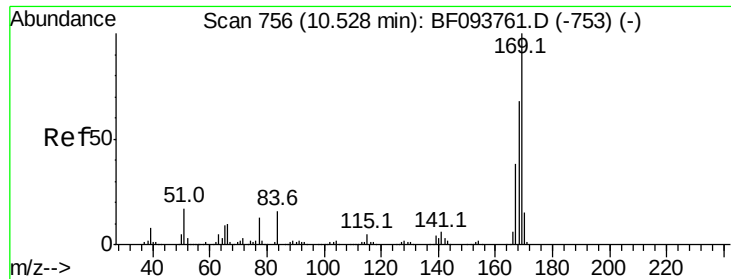
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

Tgt Ion:188 Resp: 644434
Ion Ratio Lower Upper
188 100
94 12.5 9.4 14.2
80 14.2 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





#65

n-Nitrosodiphenylamine

Concen: 3.71 ng

RT: 10.54 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

Instrument :

BNA_F

ClientSampleId :

HP-PW-01

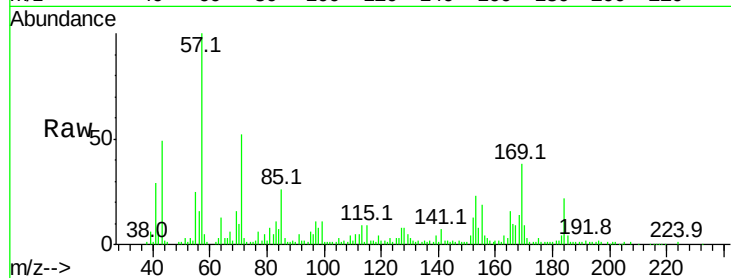
Tot Ion:169 Resp: 79701

Ion Ratio Lower Upper

169 100

168 36.0 53.2 79.8#

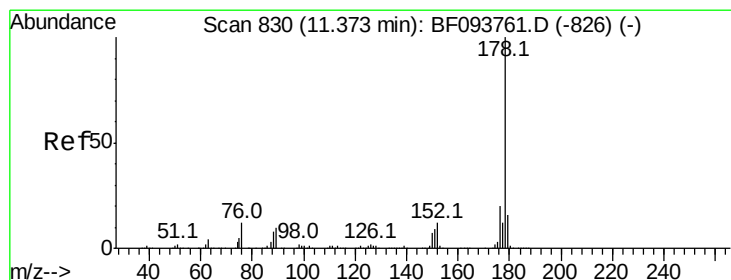
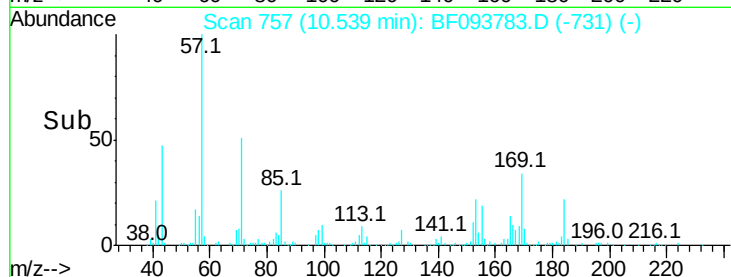
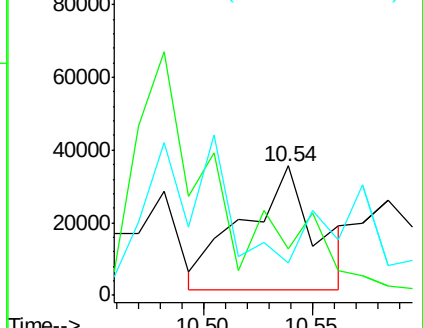
167 24.7 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 111.59 ng

RT: 11.38 min Scan# 831

Delta R.T. 0.00 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

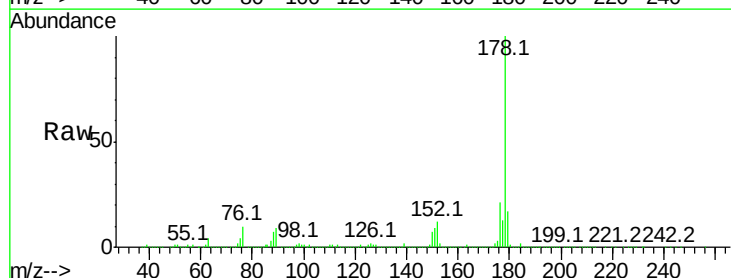
Tgt Ion:178 Resp: 3829916

Ion Ratio Lower Upper

178 100

176 20.8 16.2 24.4

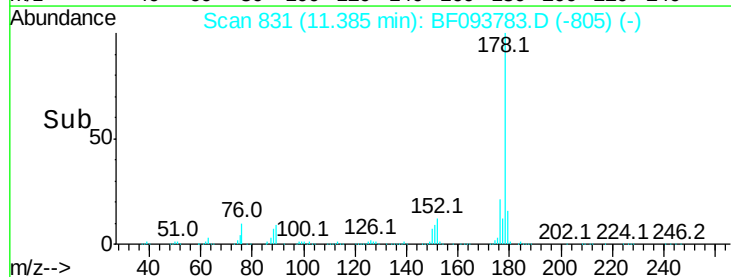
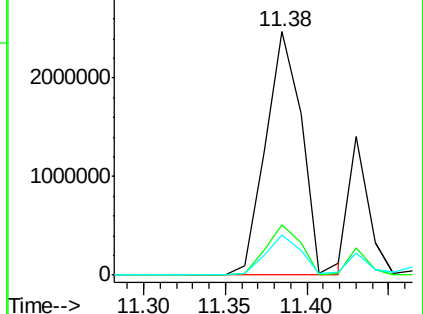
179 16.7 12.6 19.0

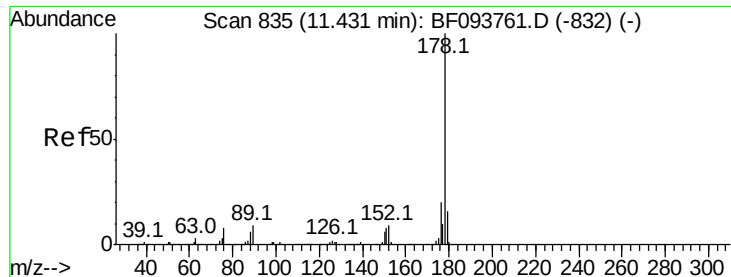


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



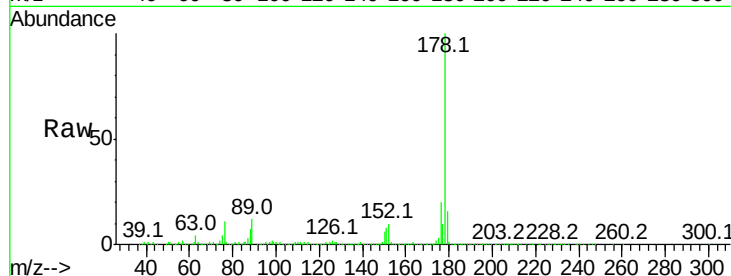


#71
 Anthracene
 Concen: 33.82 ng
 RT: 11.43 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BF093783.D
 Acq: 21 Mar 2017 00:00

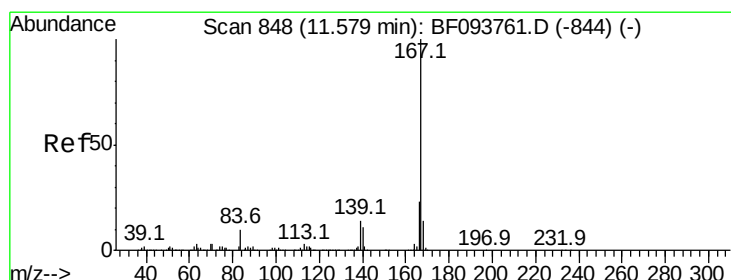
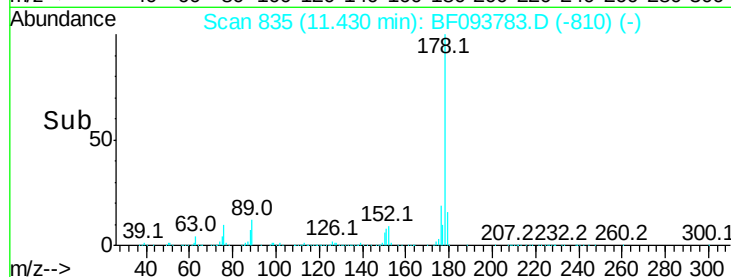
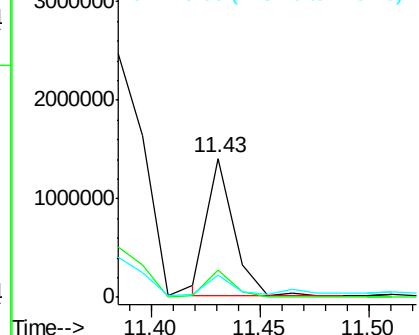
Instrument :
 BNA_F
 ClientSampleId :
 HP-PW-01

Tot Ion:178 Resp: 1195194

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.2	12.7	19.1



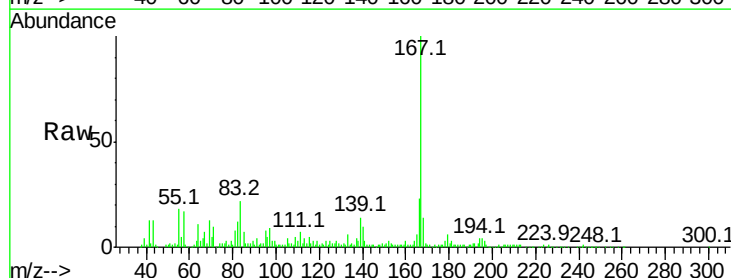
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



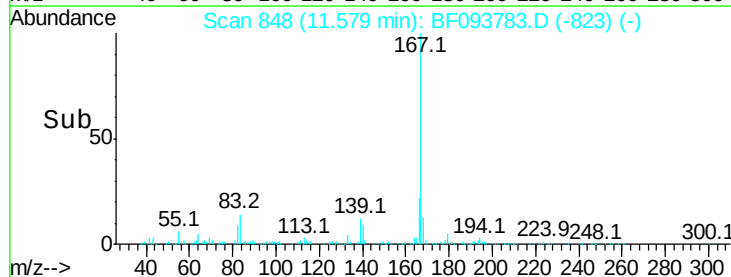
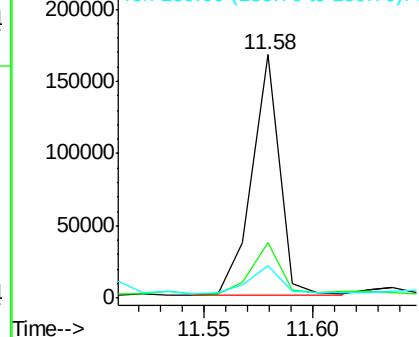
#72
 Carbazole
 Concen: 4.17 ng
 RT: 11.58 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BF093783.D
 Acq: 21 Mar 2017 00:00

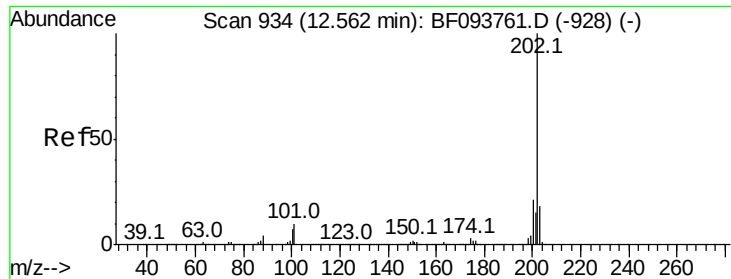
Tgt Ion:167 Resp: 145907

Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.1	27.1
139	13.6	11.7	17.5



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



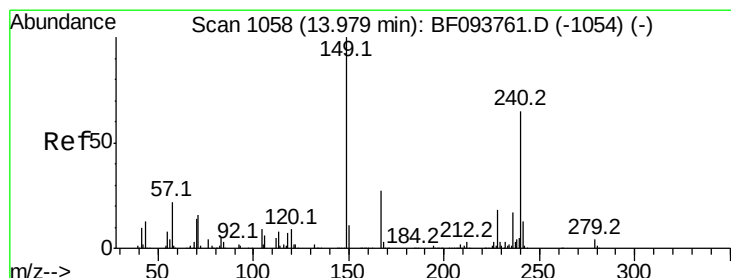
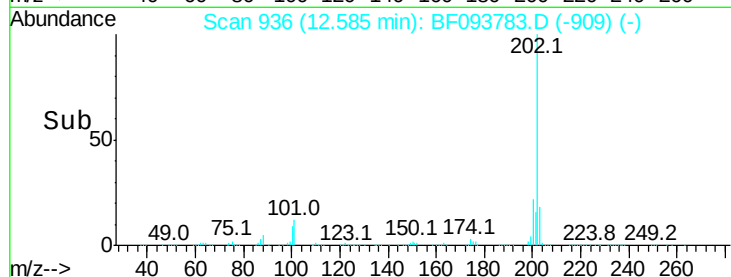
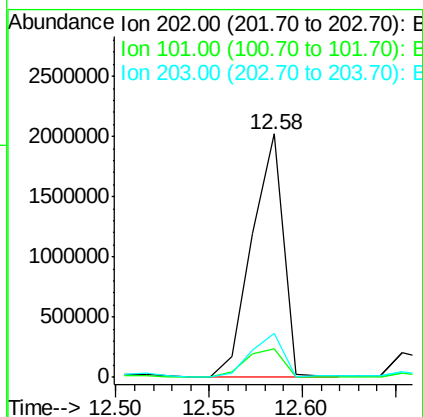
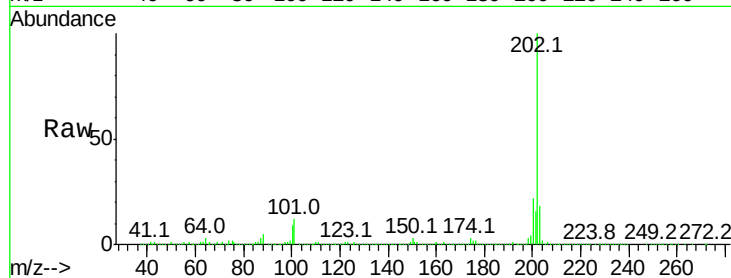


#74
 Fluoranthene
 Concen: 66.19 ng
 RT: 12.58 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: BF093783.D
 Acq: 21 Mar 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 HP-PW-01

Tot Ion:202 Resp: 2335014

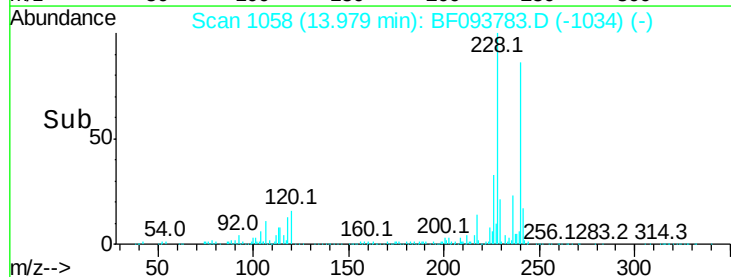
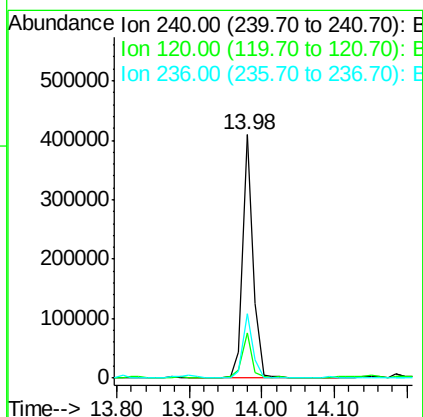
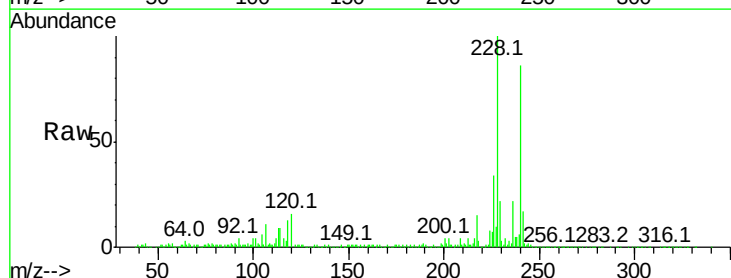
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	33.2
203	18.1	0.0	38.1

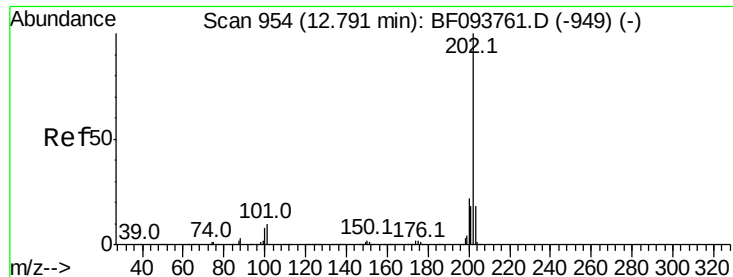


#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.98 min Scan# 1058
 Delta R.T. -0.02 min
 Lab File: BF093783.D
 Acq: 21 Mar 2017 00:00

Tgt Ion:240 Resp: 403016

Ion	Ratio	Lower	Upper
240	100		
120	18.7	5.8	8.8#
236	26.2	20.5	30.7





#77

Pvrene

Concen: 80.24 ng

RT: 12.80 min Scan# 955

Delta R.T. -0.00 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

Instrument :

BNA_F

ClientSampleId :

HP-PW-01

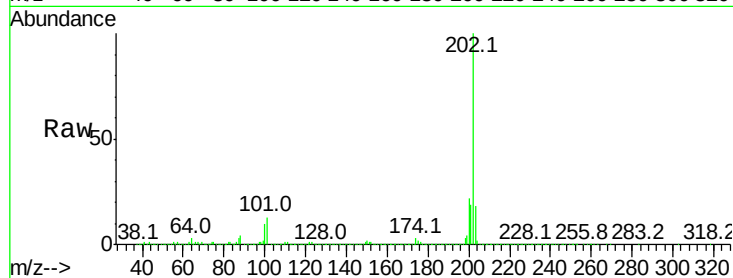
Tot Ion:202 Resp: 2691175

Ion Ratio Lower Upper

202 100

200 22.4 17.6 26.4

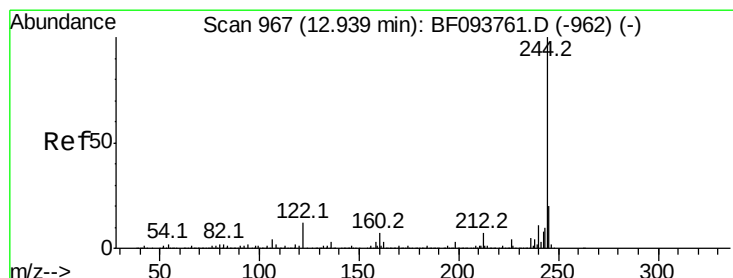
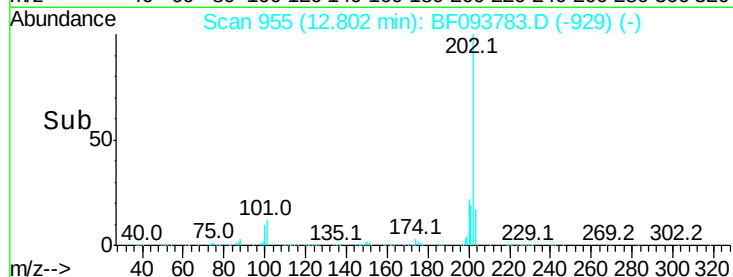
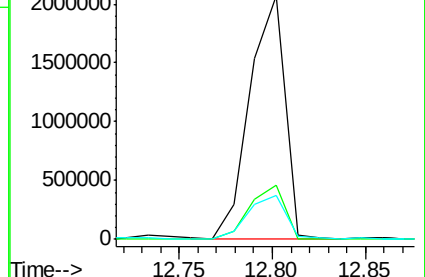
203 18.2 14.4 21.6



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: 8.14 ng

RT: 12.93 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

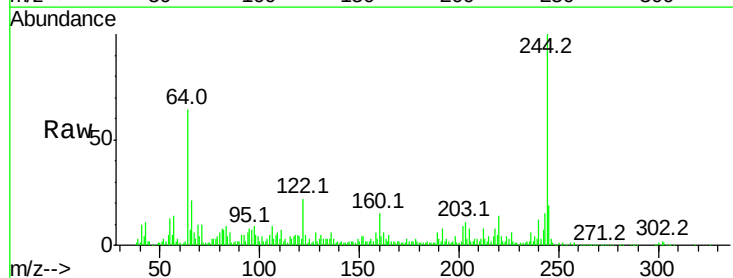
Tgt Ion:244 Resp: 160917

Ion Ratio Lower Upper

244 100

212 8.3 6.0 9.0

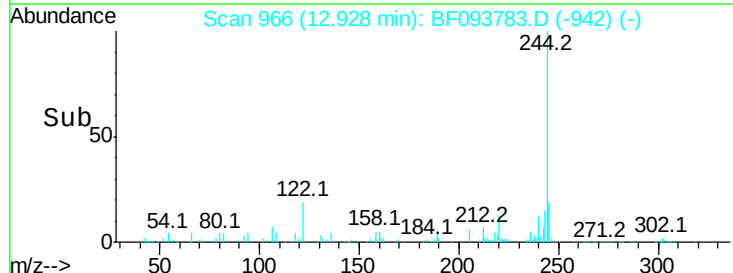
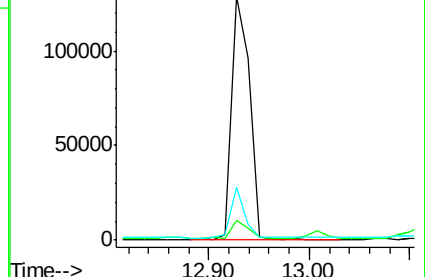
122 21.7 10.3 15.5#

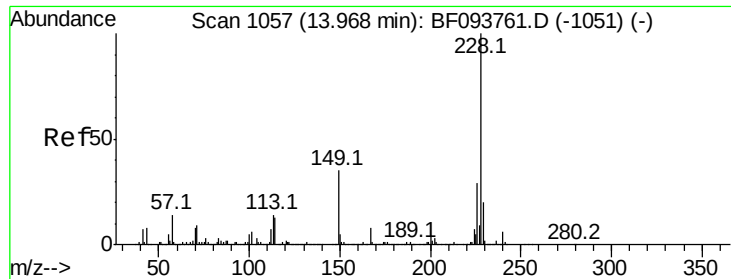


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

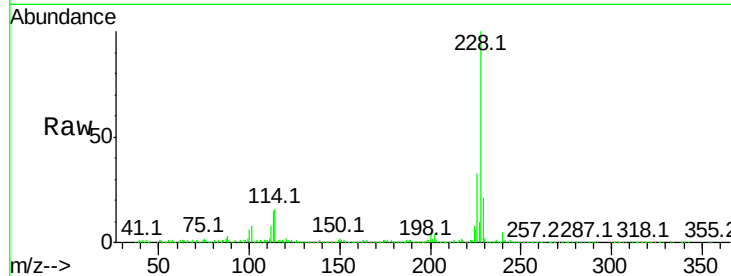




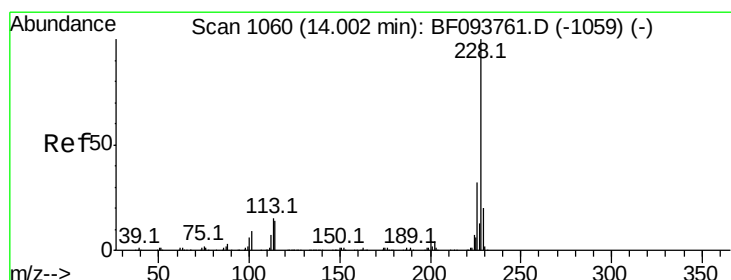
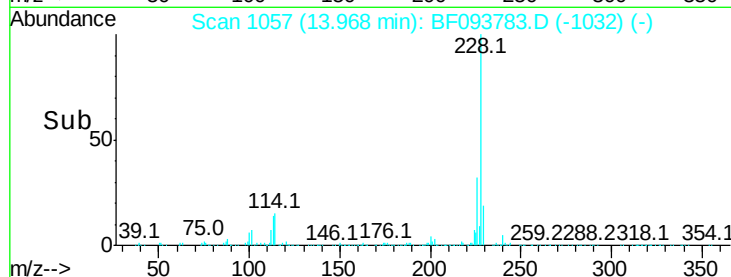
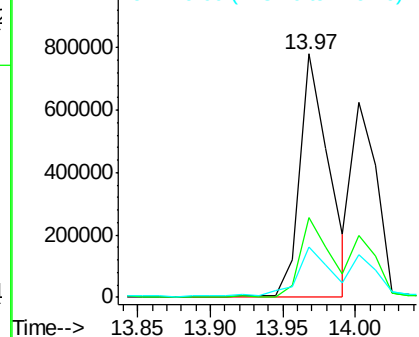
#80
Benzo(a)anthracene
Concen: 43.22 ng
RT: 13.97 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

Instrument :
BNA_F
ClientSampled :
HP-PW-01

Tot Ion:228 Resp: 1091054
Ion Ratio Lower Upper
228 100
226 32.6 22.6 33.8
229 20.6 16.3 24.5

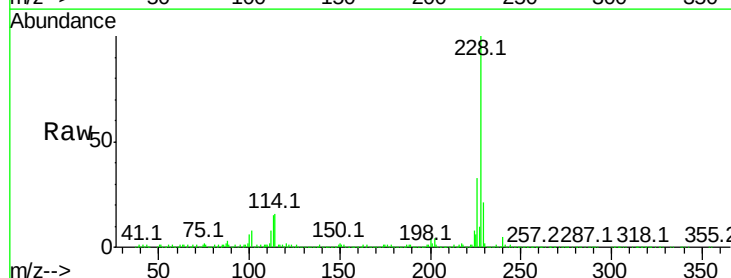


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

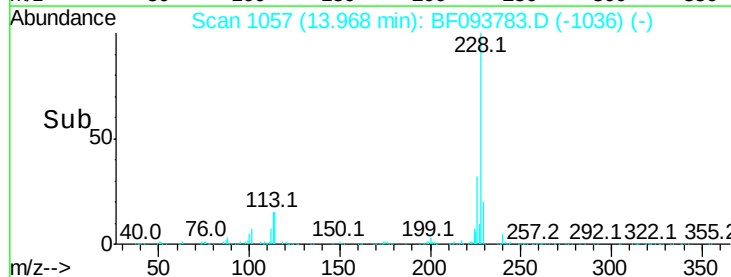
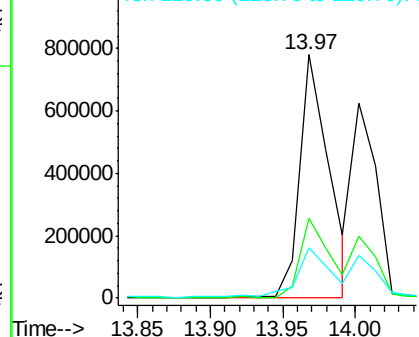


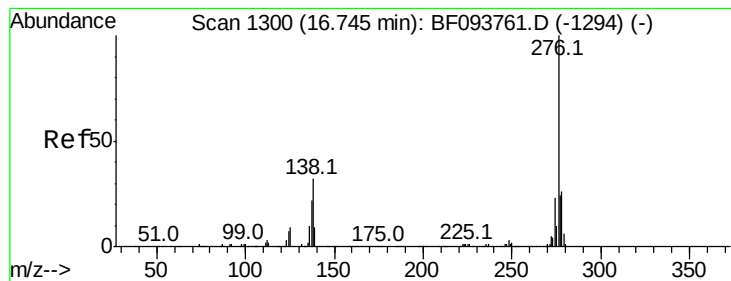
#82
Chrysene
Concen: 43.26 ng
RT: 13.97 min Scan# 1057
Delta R.T. -0.06 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

Tgt Ion:228 Resp: 1091054
Ion Ratio Lower Upper
228 100
226 32.6 24.9 37.3
229 20.6 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.50 ng

RT: 16.75 min Scan# 1300

Delta R.T. -0.03 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

Instrument :

BNA_F

ClientSampleId :

HP-PW-01

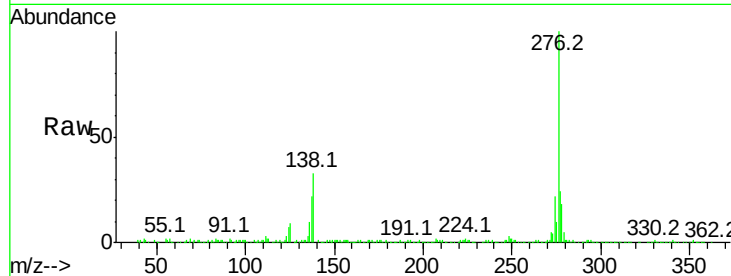
Tot Ion:276 Resp: 320116

Ion	Ratio	Lower	Upper
276	100		
138	30.7	27.8	41.6
277	24.2	20.2	30.4

276 100

138 30.7 27.8 41.6

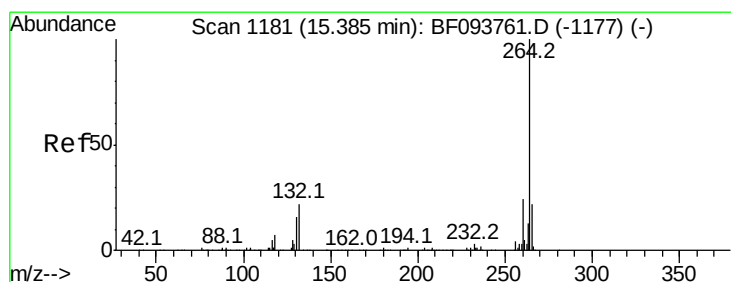
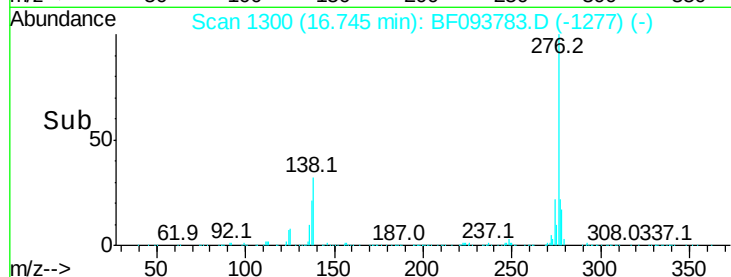
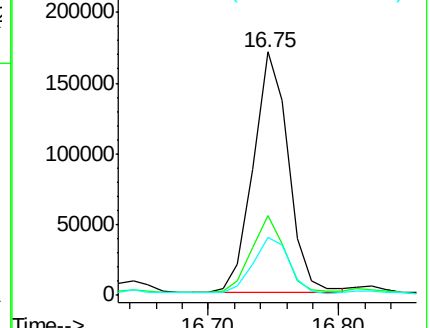
277 24.2 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.39 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

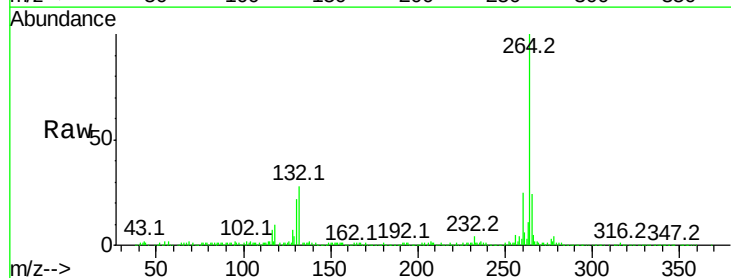
Tgt Ion:264 Resp: 379233

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	23.6	17.2	25.8

264 100

260 24.7 19.5 29.3

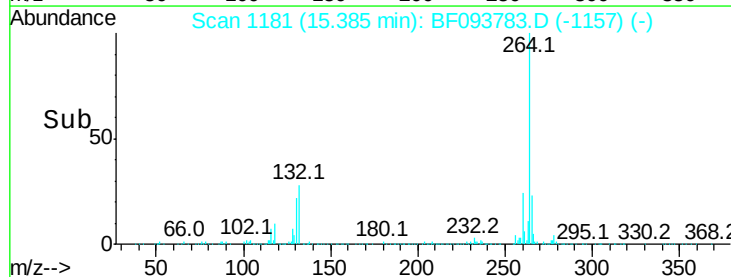
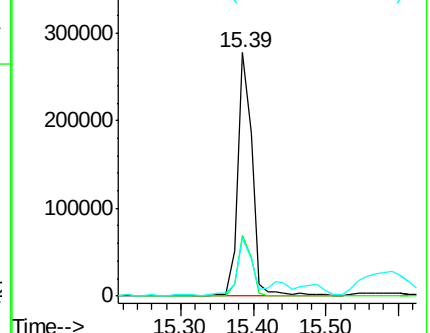
265 23.6 17.2 25.8

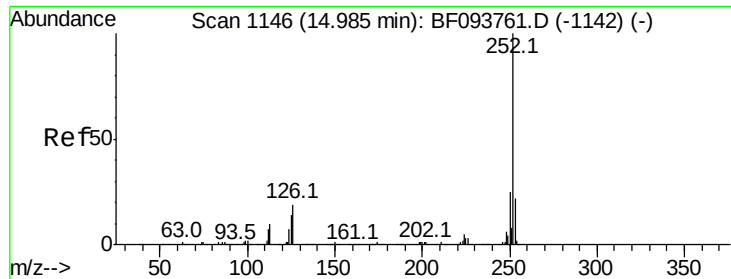


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 43.13 ng

RT: 15.00 min Scan# 1147

Delta R.T. -0.01 min

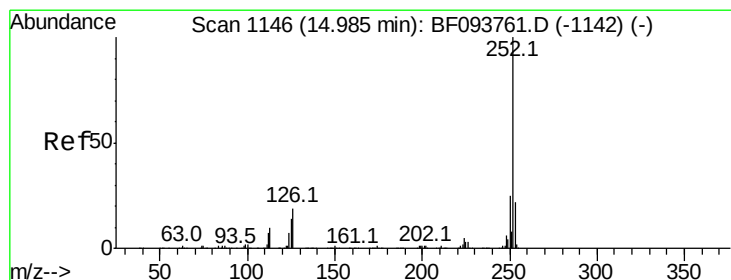
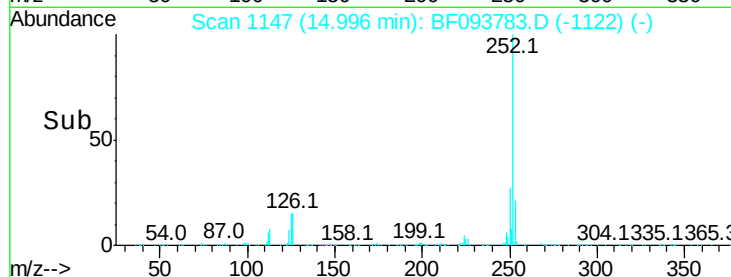
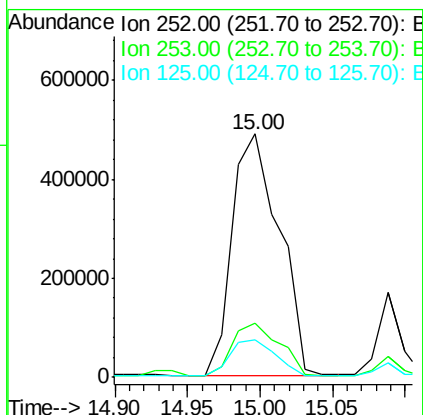
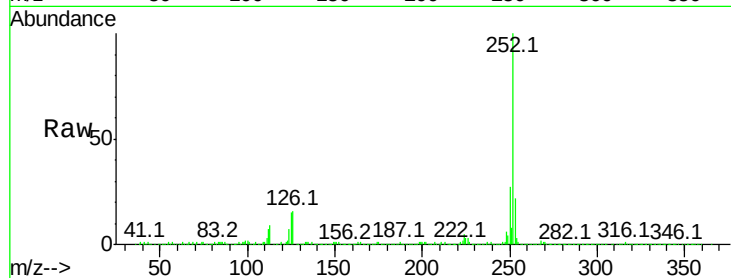
Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

Instrument :
BNA_F
ClientSampleId :
HP-PW-01

Tot Ion:252 Resp: 1102559

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	15.2	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 58.40 ng

RT: 15.00 min Scan# 1147

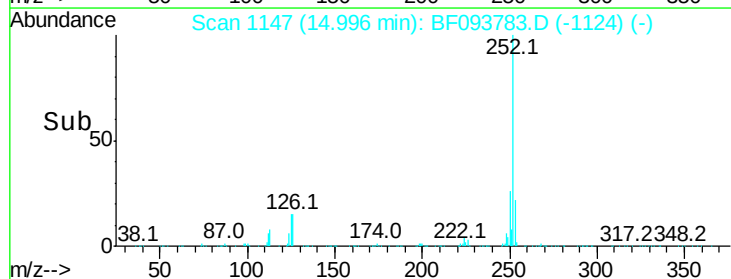
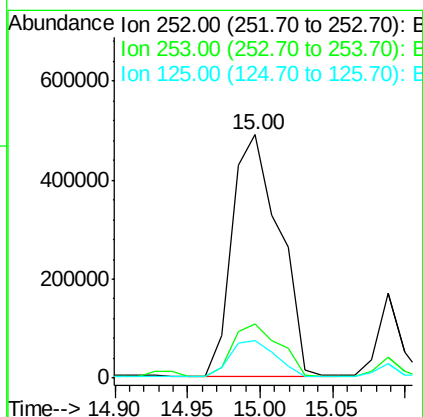
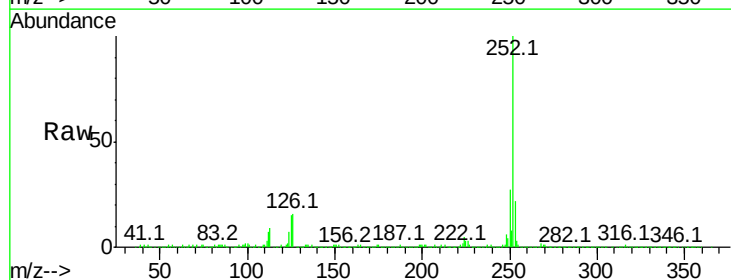
Delta R.T. -0.03 min

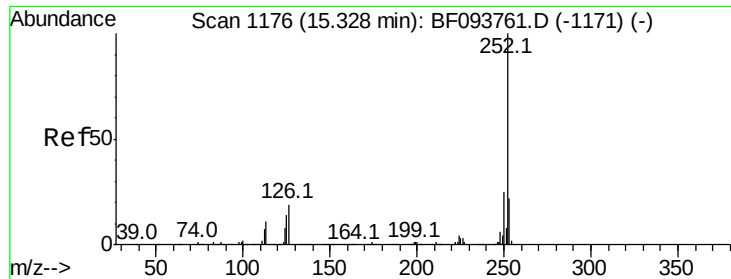
Lab File: BF093783.D

Acq: 21 Mar 2017 00:00

Tgt Ion:252 Resp: 1102559

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	15.2	13.1	19.7

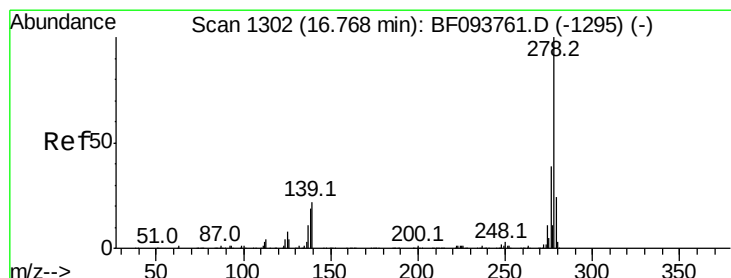
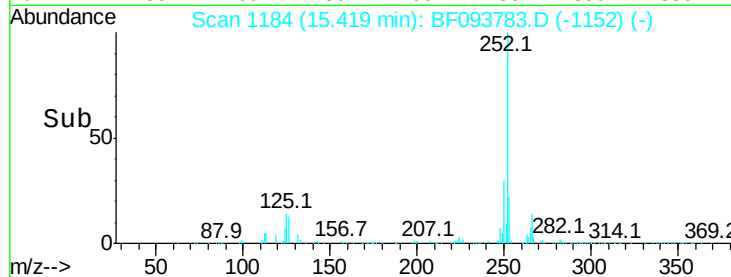
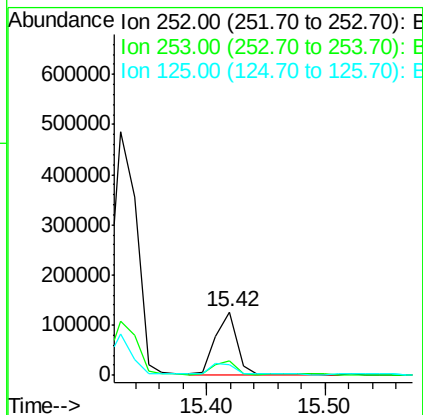
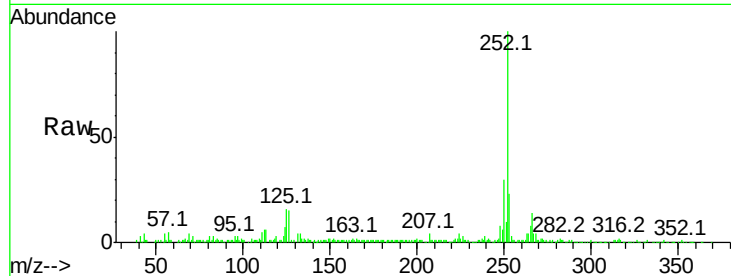




#89
Benzo(a)pyrene
Concen: 7.55 ng
RT: 15.42 min Scan# 1184
Delta R.T. 0.07 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

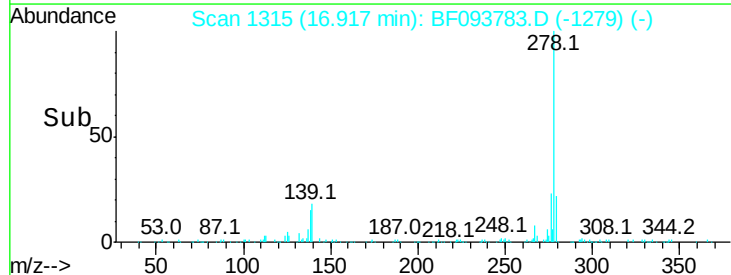
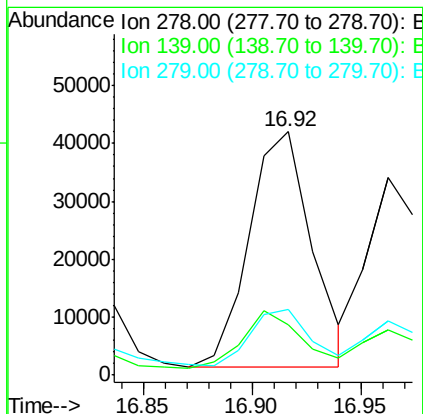
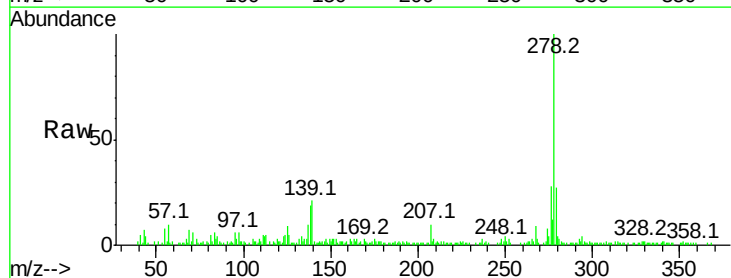
Instrument :
BNA_F
ClientSampleId :
HP-PW-01

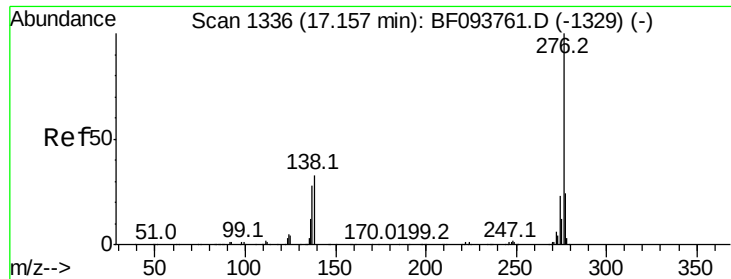
Tot Ion:252 Resp: 156581
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 16.1 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 4.73 ng
RT: 16.92 min Scan# 1315
Delta R.T. 0.11 min
Lab File: BF093783.D
Acq: 21 Mar 2017 00:00

Tgt Ion:278 Resp: 81390
Ion Ratio Lower Upper
278 100
139 20.9 16.6 24.8
279 26.9 19.3 28.9





#91
 Benzo(a,h,i)perylene
 Concen: 17.67 ng
 RT: 17.16 min Scan# 1336
 Delta R.T. -0.03 min
 Lab File: BF093783.D
 Acq: 21 Mar 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 HP-PW-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	33.0	25.4	38.0

